

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062019\  
 Data File : VX010364.D  
 Acq On : 20 Jun 2019 17:58  
 Operator : JC/SP  
 Sample : K3469-13  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jun 21 01:23:34 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X061919W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 20 03:31:56 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 304655   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 461986   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 403147   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 191015   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 138475   | 48.48 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.96%  |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 142379   | 50.37 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.74% |          |
| 50) Toluene-d8              | 8.71  | 98   | 538270   | 49.78 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.56%  |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 179084   | 45.87 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 91.74%  |          |

| Target Compounds               | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 3) Chloromethane               | 1.33  | 50   | 712      | 0.289  | ug/l # | 55     |
| 5) Bromomethane                | 1.65  | 94   | 699      | 0.531  | ug/l   | 88     |
| 6) Chloroethane                | 1.87  | 64   | 1579     | 0.991  | ug/l # | 53     |
| 11) Tert butyl alcohol         | 3.04  | 59   | 6415     | 8.583  | ug/l # | 92     |
| 13) Acrolein                   | 2.30  | 56   | 190      | 0.383  | ug/l   | 92     |
| 15) Acrylonitrile              | 3.20  | 53   | 1385     | 0.936  | ug/l # | 39     |
| 16) Acetone                    | 2.44  | 43   | 23255    | 16.244 | ug/l   | 94     |
| 17) Carbon Disulfide           | 2.57  | 76   | 1598     | 0.226  | ug/l # | 91     |
| 19) Methyl tert-butyl Ether    | 3.20  | 73   | 97141    | 11.693 | ug/l   | 95     |
| 25) 2-Butanone                 | 4.68  | 43   | 501      | 0.239  | ug/l # | 50     |
| 31) Cyclohexane                | 5.57  | 56   | 1282     | 0.311  | ug/l # | 77     |
| 36) 1,1-Dichloropropene        | 5.65  | 75   | 18248    | 4.971  | ug/l # | 47     |
| 38) Carbon Tetrachloride       | 5.67  | 117  | 27053    | 6.805  | ug/l # | 15     |
| 39) Methylcyclohexane          | 7.46  | 83   | 4735     | 0.981  | ug/l # | 90     |
| 40) Benzene                    | 6.15  | 78   | 8150     | 0.713  | ug/l   | 97     |
| 49) 1,4-Dioxane                | 7.65  | 88   | 21       | 0.251  | ug/l # | 1      |
| 55) 1,1,2-Trichloroethane      | 9.16  | 97   | 2230     | 0.718  | ug/l # | 23     |
| 73) Isopropylbenzene           | 11.02 | 105  | 31039    | 2.397  | ug/l   | 100    |
| 74) N-amyl acetate             | 10.94 | 43   | 2533     | 0.518  | ug/l # | 59     |
| 76) 1,2,3-Trichloropropane     | 11.13 | 75   | 82520    | 23.707 | ug/l # | 34     |
| 78) n-propylbenzene            | 11.36 | 91   | 41051    | 2.885  | ug/l   | 100    |
| 79) 2-Chlorotoluene            | 11.36 | 91   | 41051    | 4.844  | ug/l # | 38     |
| 81) trans-1,4-Dichloro-2-buten | 11.13 | 75   | 82520    | 55.306 | ug/l # | 16     |
| 82) 4-Chlorotoluene            | 11.36 | 91   | 41051    | 4.257  | ug/l # | 43     |
| 83) tert-Butylbenzene          | 11.77 | 119  | 3992     | 0.373  | ug/l   | 87     |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 2303     | 0.215  | ug/l   | 98     |
| 85) sec-Butylbenzene           | 11.94 | 105  | 17903    | 1.423  | ug/l   | 85     |
| 86) p-Isopropyltoluene         | 12.23 | 119  | 9634     | 0.828  | ug/l   | 95     |
| 89) n-Butylbenzene             | 12.38 | 91   | 5241     | 0.530  | ug/l # | 63     |
| 90) Hexachloroethane           | 12.66 | 117  | 5730     | 2.848  | ug/l # | 5      |
| 92) 1,2-Dibromo-3-Chloropropan | 12.97 | 75   | 513      | 0.555  | ug/l # | 1      |
| 95) Naphthalene                | 13.83 | 128  | 50887    | 3.807  | ug/l   | 96     |

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Instrument :  
MSVOA\_X  
ClientSampleId :

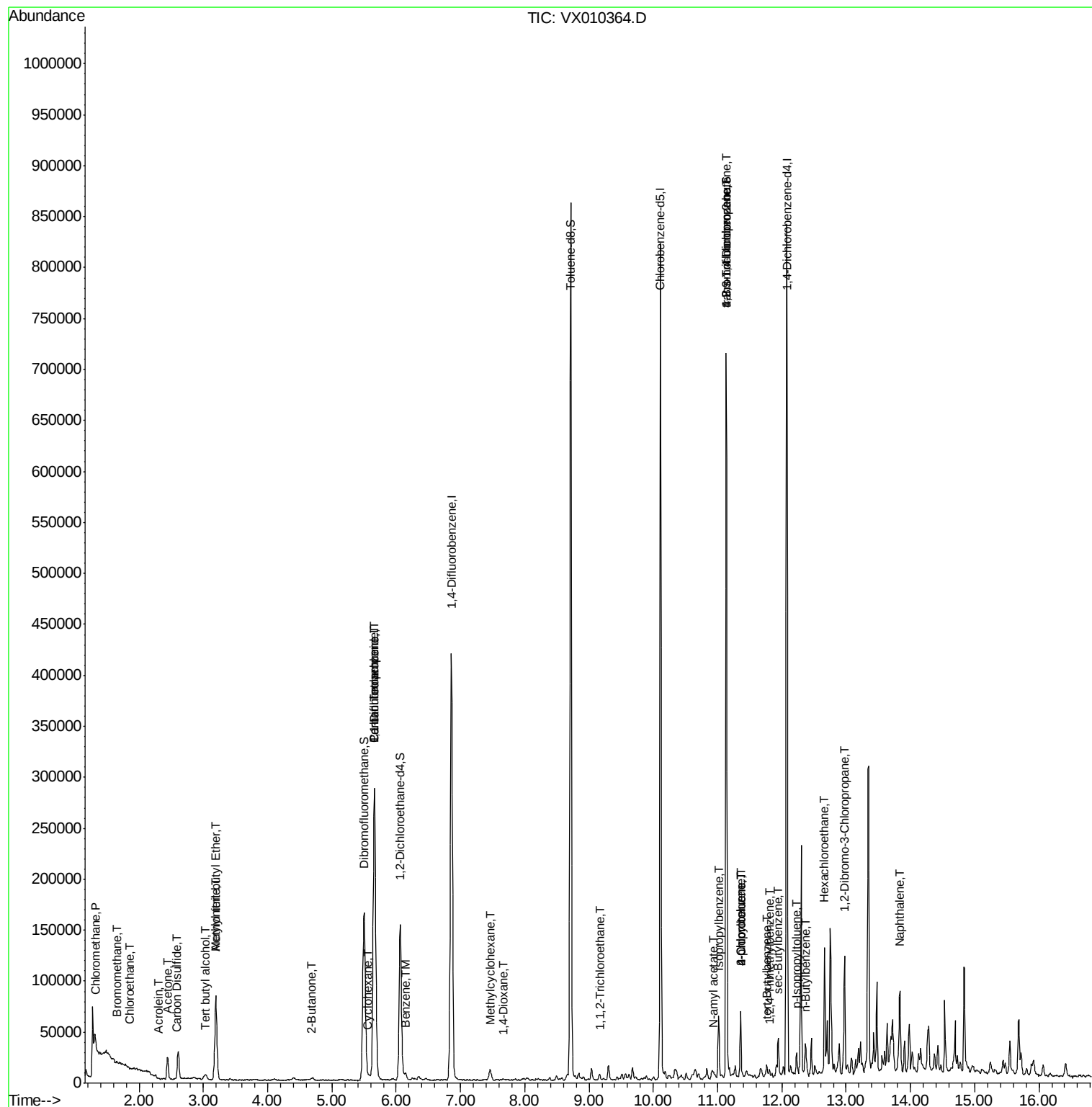
Quant Time: Jun 21 01:23:34 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X061919W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jun 20 03:31:56 2019  
Response via : Initial Calibration

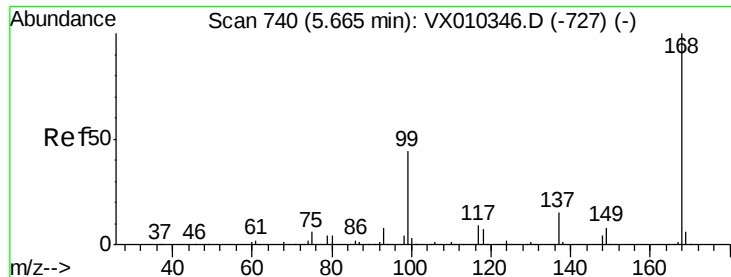
| Internal Standards                                                   | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                |      |      |          |      |       |          |
| (#)=qualifier out of range (m)=manual integration (+)=signals summed |      |      |          |      |       |          |

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Quant Title : SW846 8260  
QLast Update : Thu Jun 20 03:31:56 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010364.D

Acq: 20 Jun 2019 17:58

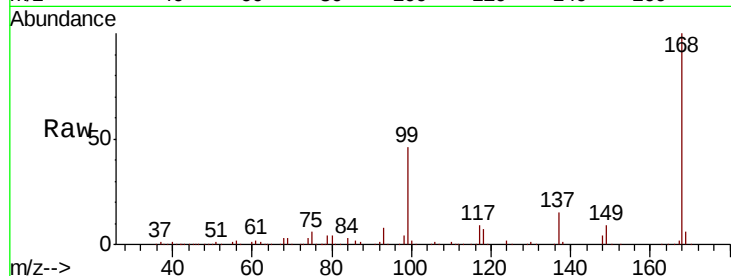
Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion:168 Resp: 304655

Ion Ratio Lower Upper

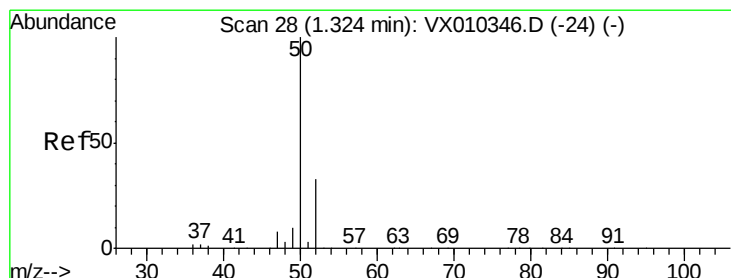
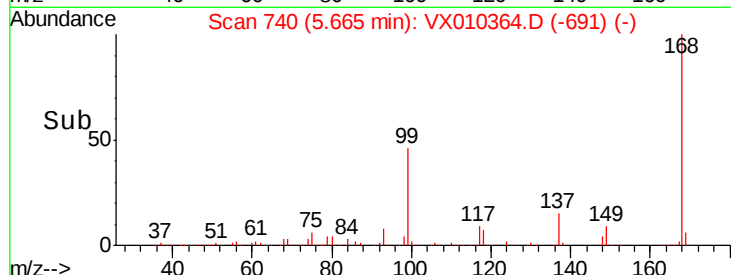
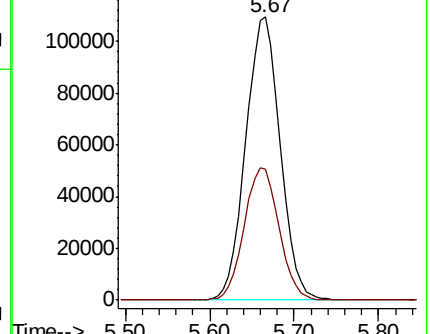
168 100

99 46.4 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.289 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010364.D

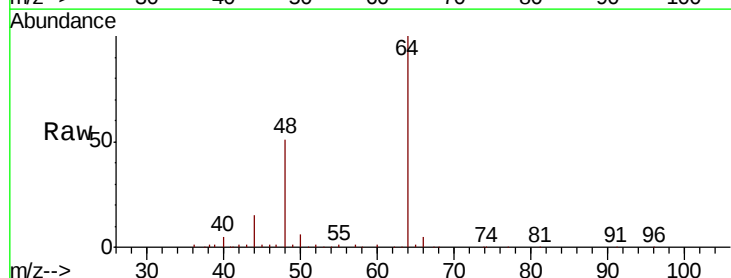
Acq: 20 Jun 2019 17:58

Tgt Ion: 50 Resp: 712

Ion Ratio Lower Upper

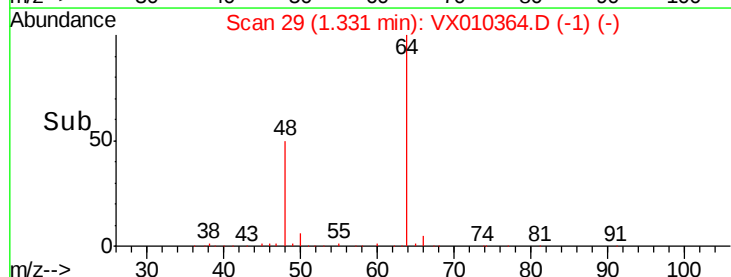
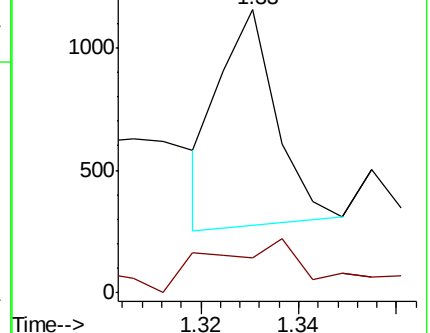
50 100

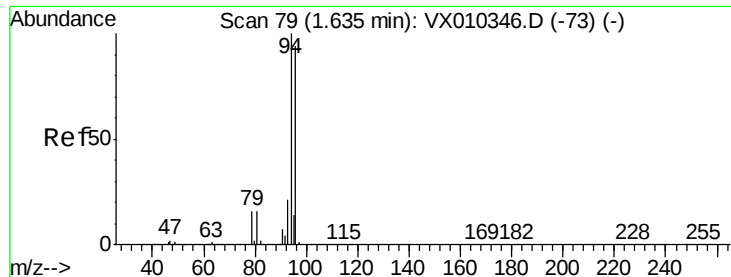
52 7.6 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.531 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010364.D

Acq: 20 Jun 2019 17:58

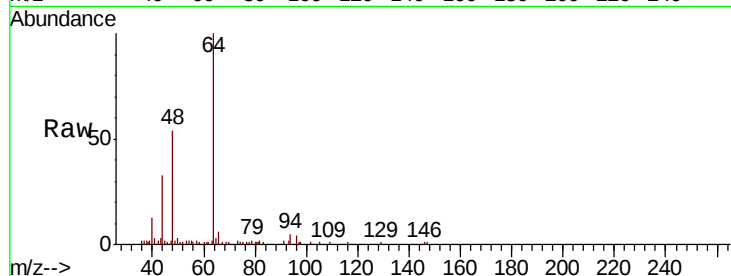
Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion: 94 Resp: 699

Ion Ratio Lower Upper

94 100

96 82.4 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

300

200

100

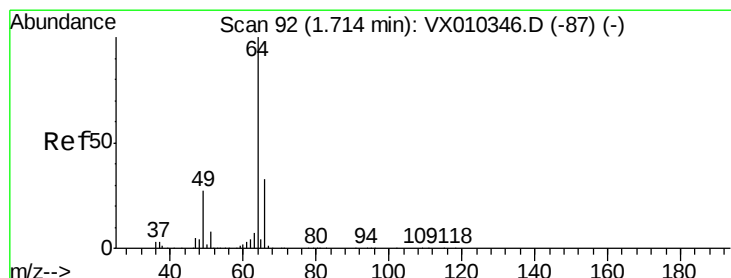
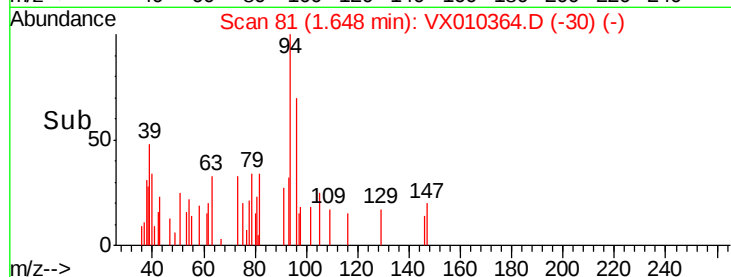
0

Time-->

1.60

1.65

1.70



#6

Chloroethane

Concen: 0.991 ug/l

RT: 1.87 min Scan# 117

Delta R.T. 0.15 min

Lab File: VX010364.D

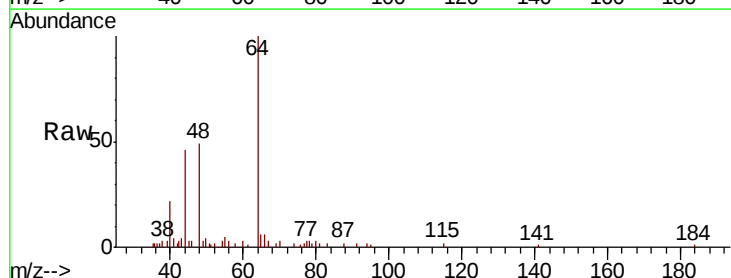
Acq: 20 Jun 2019 17:58

Tgt Ion: 64 Resp: 1579

Ion Ratio Lower Upper

64 100

66 6.4 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.87

5000

4000

3000

2000

1000

0

Time-->

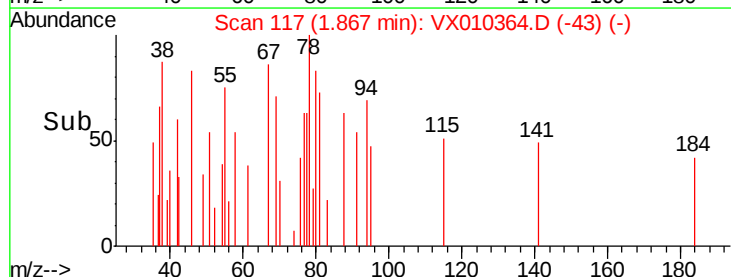
1.84

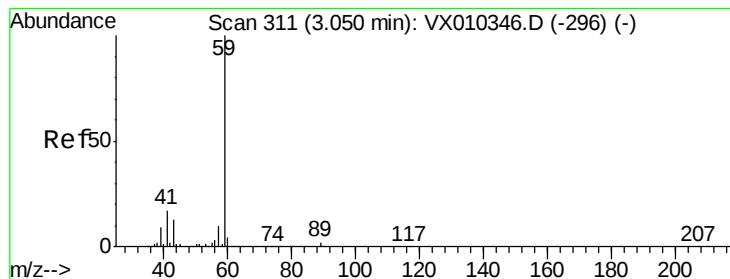
1.86

1.88

1.90

1.92



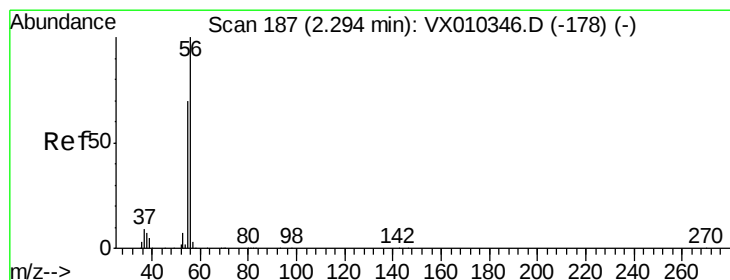
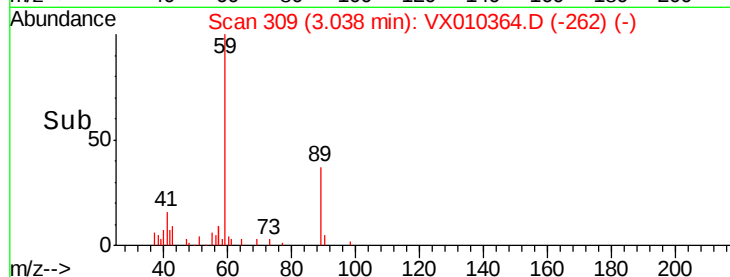
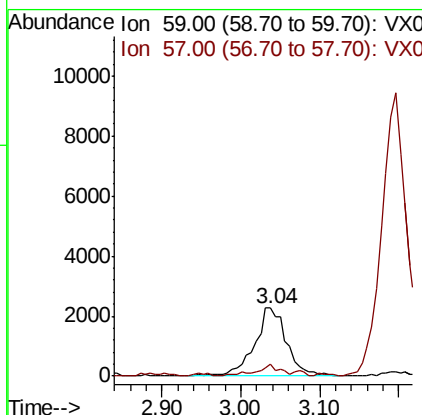
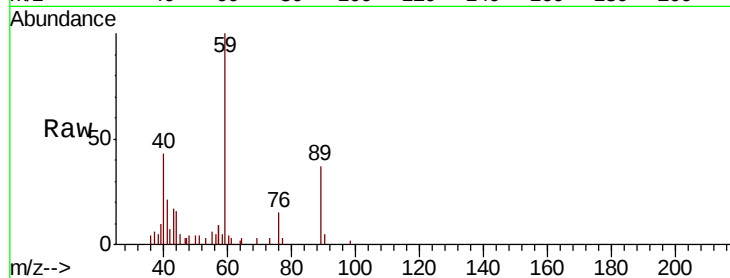


#11

Tert butyl alcohol  
 Concen: 8.583 ug/l  
 RT: 3.04 min Scan# 309  
 Delta R.T. -0.01 min  
 Lab File: VX010364.D  
 Acq: 20 Jun 2019 17:58

Instrument :  
 MSVOA\_X  
 ClientSampled :

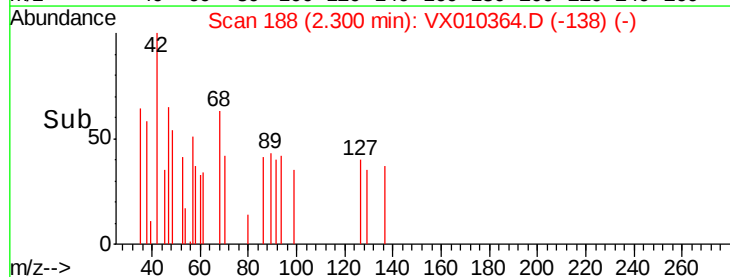
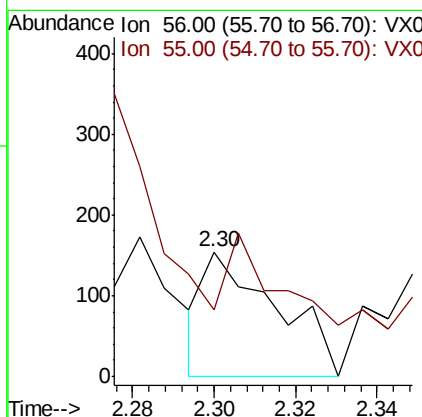
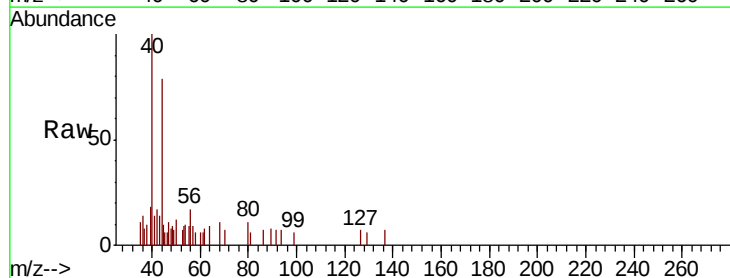
Tot Ion: 59 Resp: 6415  
 Ion Ratio Lower Upper  
 59 100  
 57 12.4 7.7 11.5#

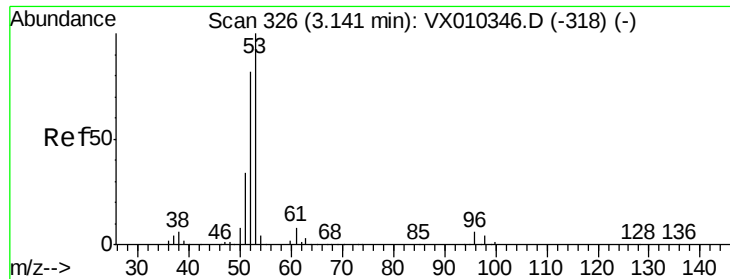


#13

Acrolein  
 Concen: 0.383 ug/l  
 RT: 2.30 min Scan# 188  
 Delta R.T. 0.01 min  
 Lab File: VX010364.D  
 Acq: 20 Jun 2019 17:58

Tgt Ion: 56 Resp: 190  
 Ion Ratio Lower Upper  
 56 100  
 55 64.2 56.9 85.3





#15

Acrylonitrile

Concen: 0.936 ug/l

RT: 3.20 min Scan# 336

Delta R.T. 0.06 min

Lab File: VX010364.D

Acq: 20 Jun 2019 17:58

Instrument :

MSVOA\_X

ClientSampleId :

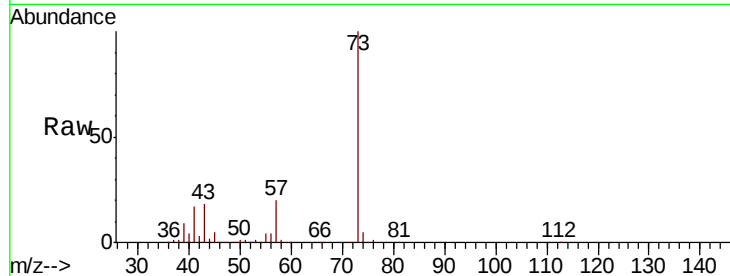
Tot Ion: 53 Resp: 1385

Ion Ratio Lower Upper

53 100

52 27.2 65.5 98.3#

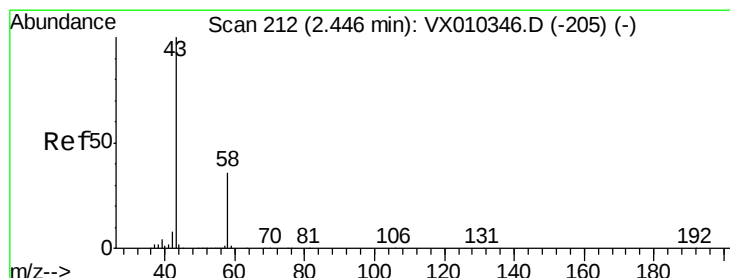
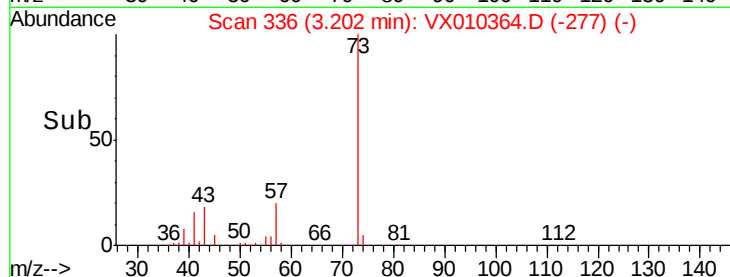
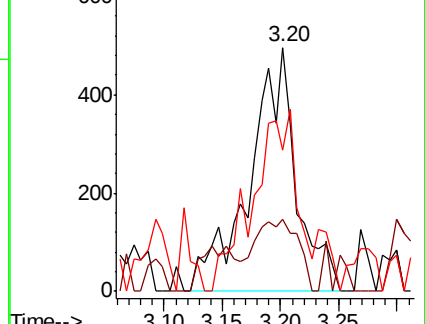
51 70.8 28.2 42.4#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 16.244 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010364.D

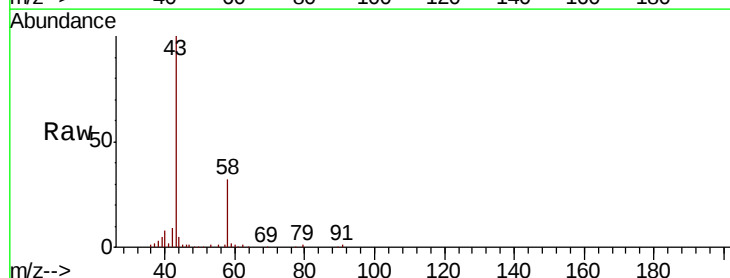
Acq: 20 Jun 2019 17:58

Tgt Ion: 43 Resp: 23255

Ion Ratio Lower Upper

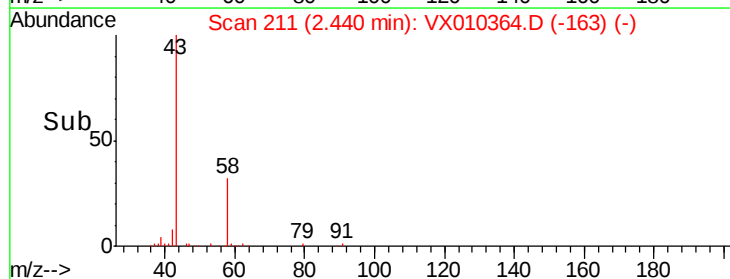
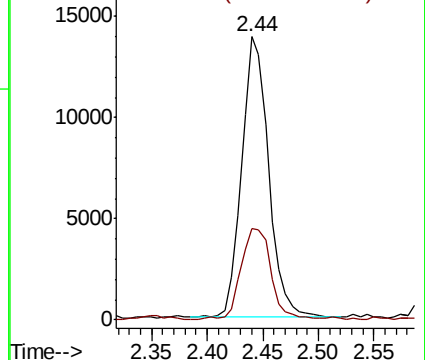
43 100

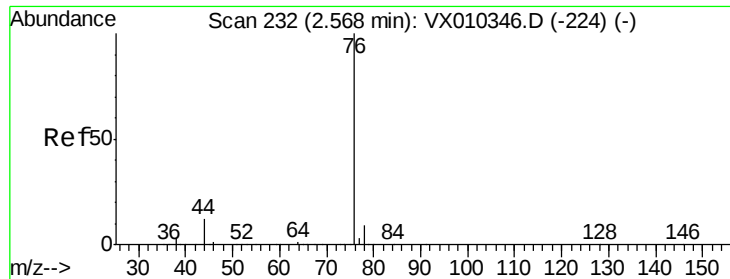
58 32.6 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.226 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX010364.D

Acq: 20 Jun 2019 17:58

Instrument :

MSVOA\_X

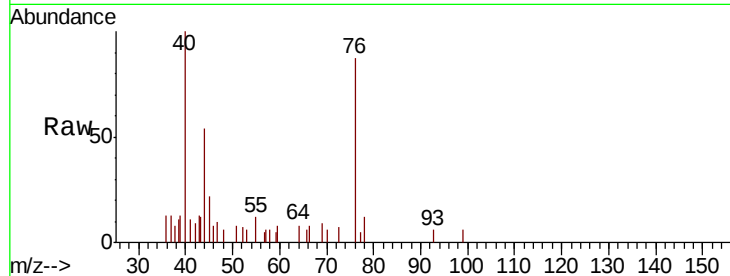
ClientSampled :

Tot Ion: 76 Resp: 1598

Ion Ratio Lower Upper

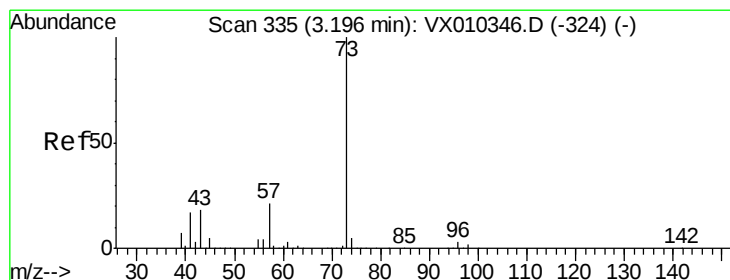
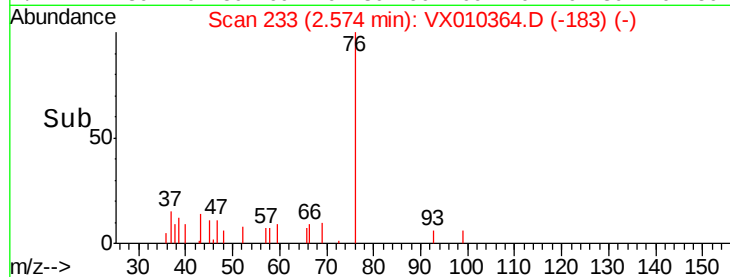
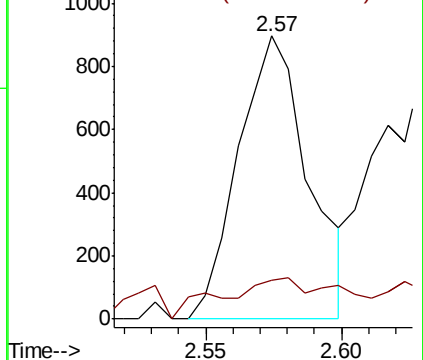
76 100

78 5.8 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#19

Methyl tert-butyl Ether

Concen: 11.693 ug/l

RT: 3.20 min Scan# 335

Delta R.T. 0.00 min

Lab File: VX010364.D

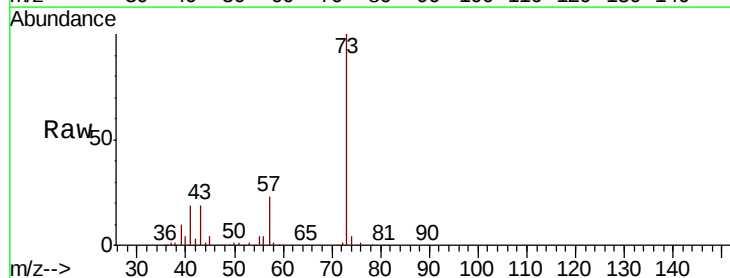
Acq: 20 Jun 2019 17:58

Tgt Ion: 73 Resp: 97141

Ion Ratio Lower Upper

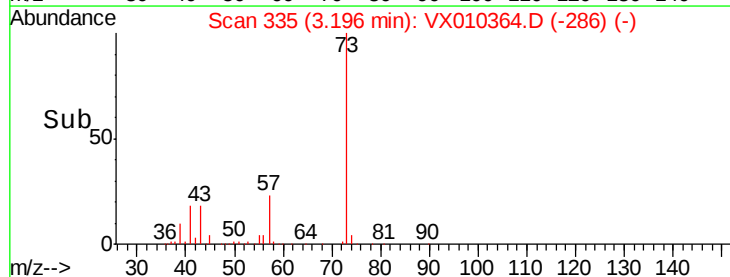
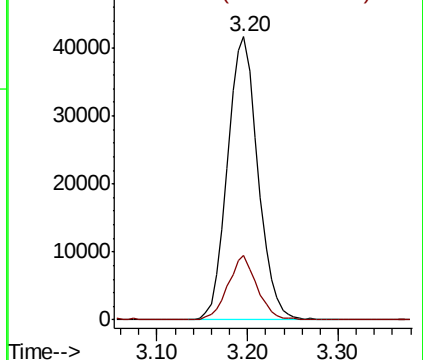
73 100

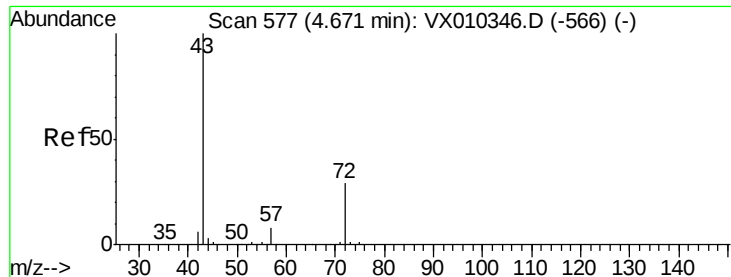
57 22.6 16.4 24.6



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#25

2-Butanone

Concen: 0.239 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX010364.D

Acq: 20 Jun 2019 17:58

Instrument :

MSVOA\_X

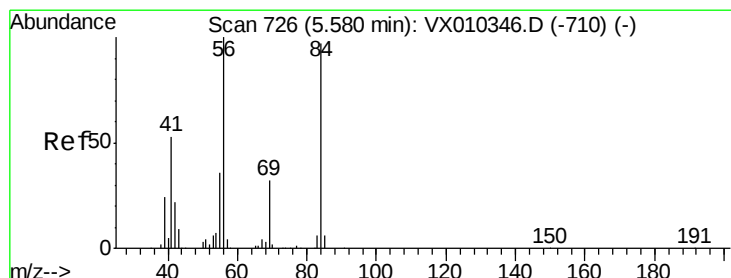
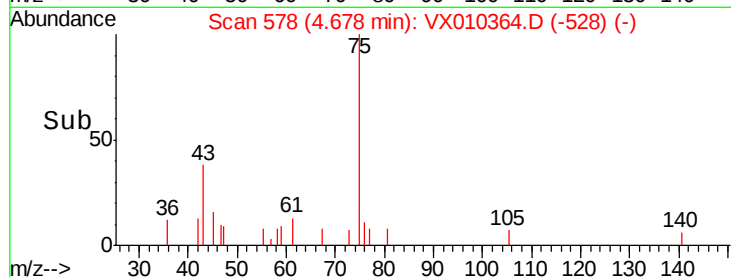
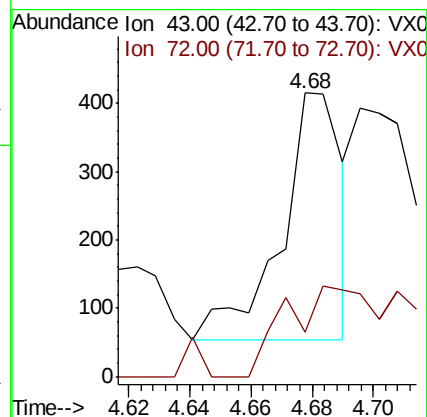
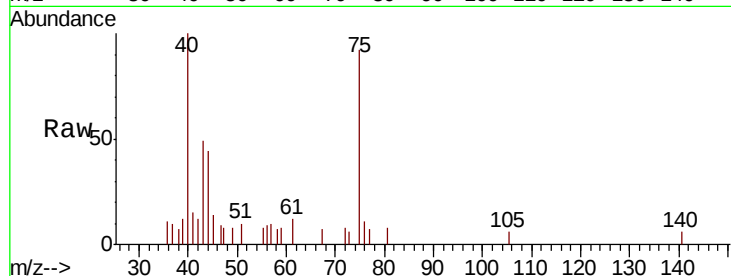
ClientSampleId :

Tot Ion: 43 Resp: 501

Ion Ratio Lower Upper

43 100

72 2.2 23.3 34.9#



#31

Cyclohexane

Concen: 0.311 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX010364.D

Acq: 20 Jun 2019 17:58

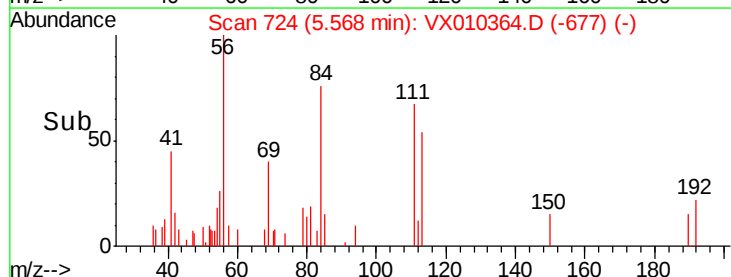
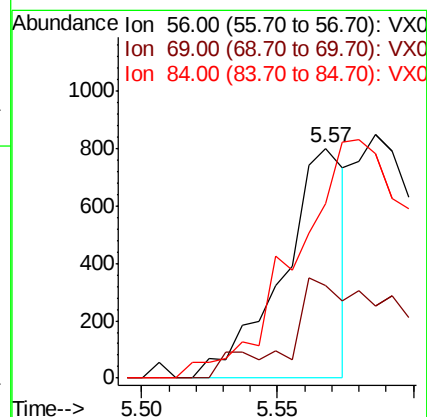
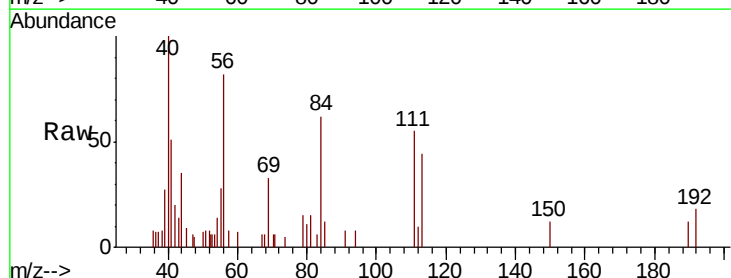
Tgt Ion: 56 Resp: 1282

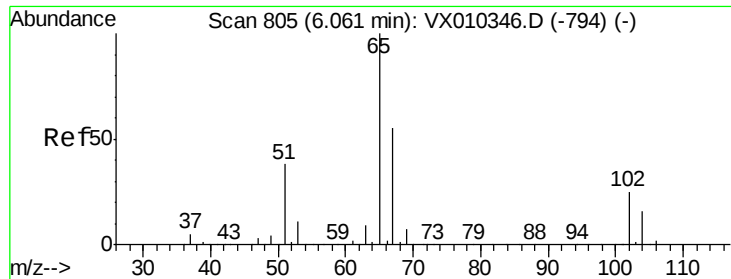
Ion Ratio Lower Upper

56 100

69 43.2 25.9 38.9#

84 74.0 78.0 117.0#

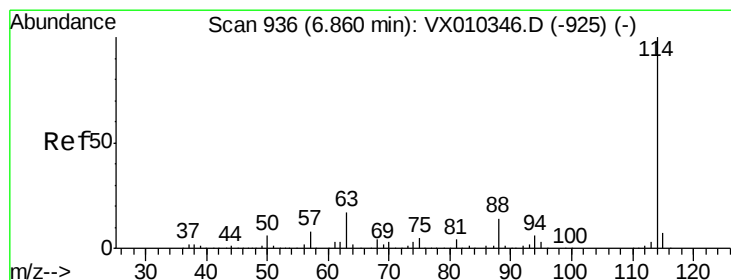
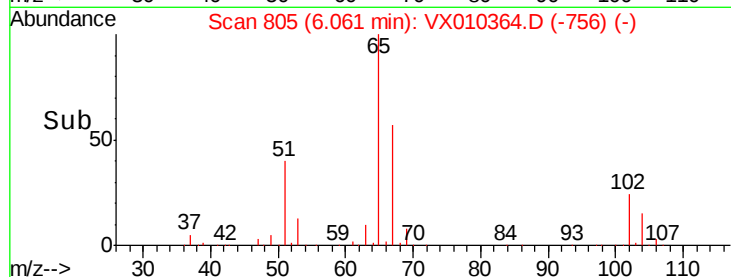
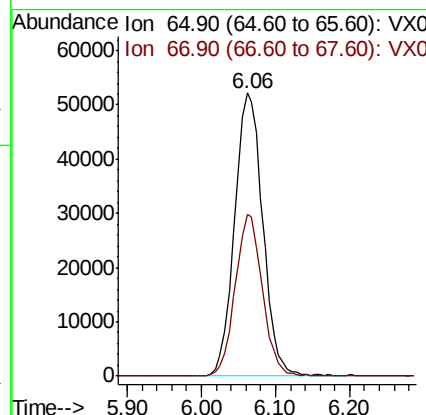
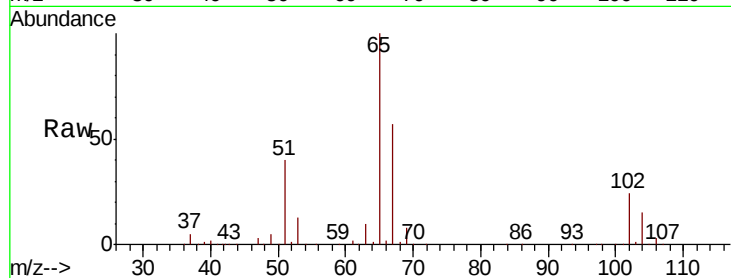




#33  
 1,2-Dichloroethane-d4  
 Concen: 48.478 ug/l  
 RT: 6.06 min Scan# 805  
 Delta R.T. 0.00 min  
 Lab File: VX010364.D  
 Acq: 20 Jun 2019 17:58

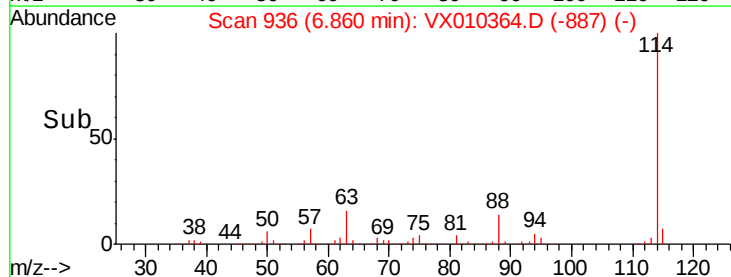
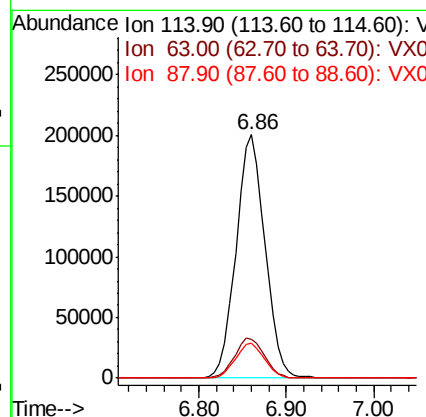
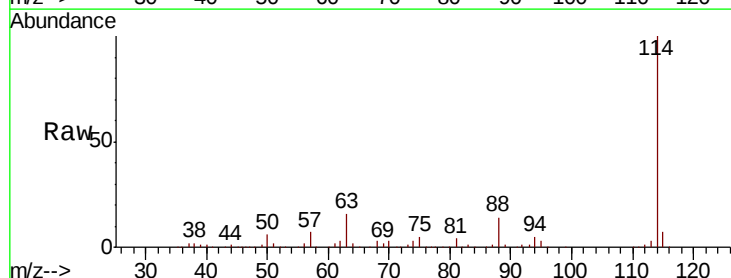
Instrument :  
 MSVOA\_X  
 ClientSampleId :

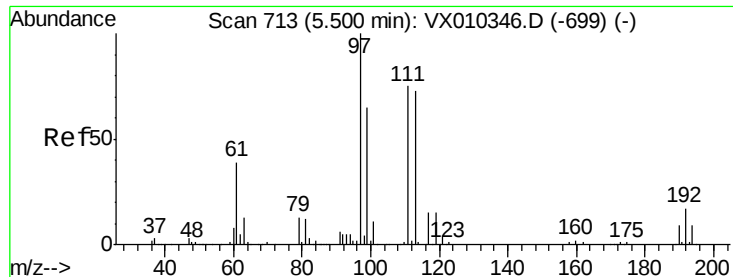
Tot Ion: 65 Resp: 138475  
 Ion Ratio Lower Upper  
 65 100  
 67 55.1 0.0 110.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. 0.00 min  
 Lab File: VX010364.D  
 Acq: 20 Jun 2019 17:58

Tgt Ion: 114 Resp: 461986  
 Ion Ratio Lower Upper  
 114 100  
 63 16.2 0.0 33.8  
 88 14.2 0.0 27.6

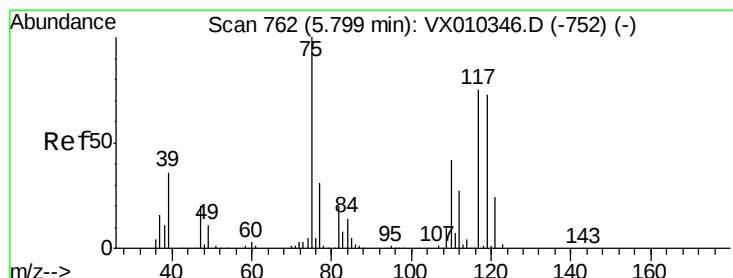
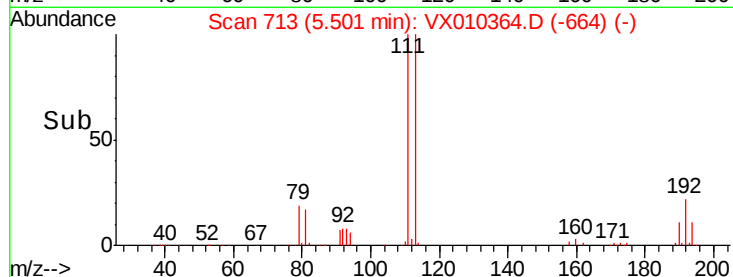
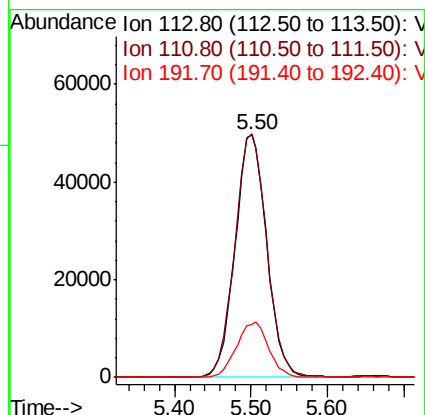
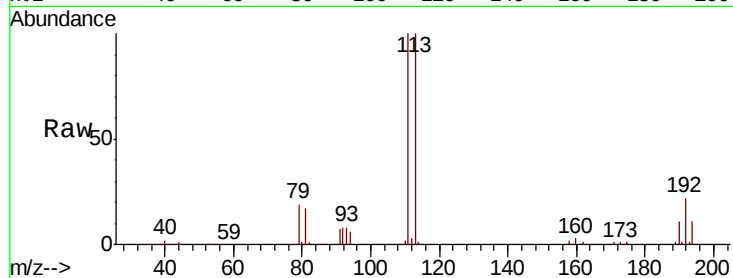




#35  
 Dibromofluoromethane  
 Concen: 50.371 ug/l  
 RT: 5.50 min Scan# 713  
 Delta R.T. 0.00 min  
 Lab File: VX010364.D  
 Acq: 20 Jun 2019 17:58

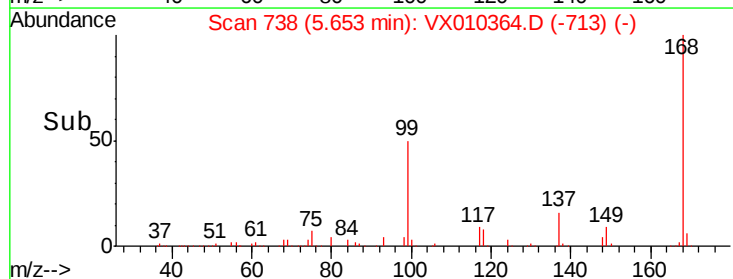
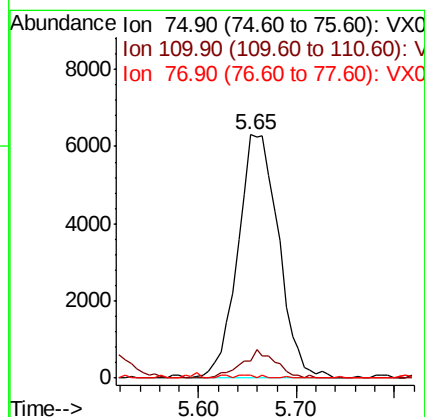
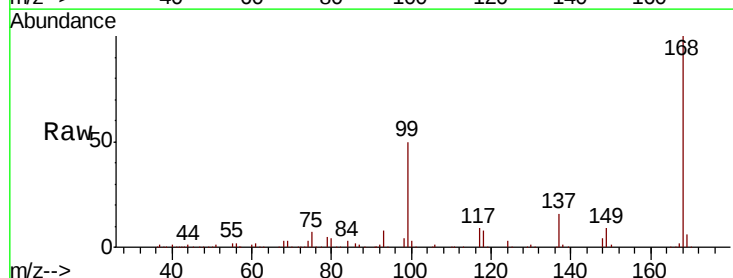
Instrument :  
 MSVOA\_X  
 ClientSampleId :

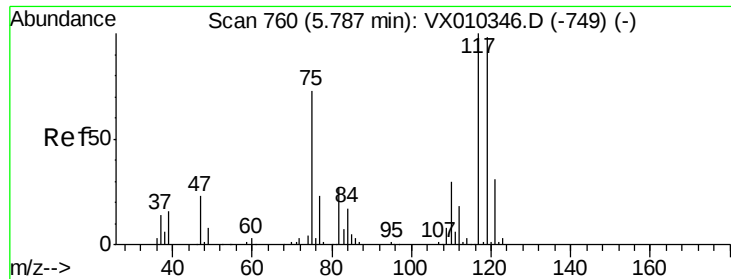
Tot Ion:113 Resp: 142379  
 Ion Ratio Lower Upper  
 113 100  
 111 101.1 81.2 121.8  
 192 23.1 18.6 27.8



#36  
 1,1-Dichloropropene  
 Concen: 4.971 ug/l  
 RT: 5.65 min Scan# 738  
 Delta R.T. -0.15 min  
 Lab File: VX010364.D  
 Acq: 20 Jun 2019 17:58

Tgt Ion: 75 Resp: 18248  
 Ion Ratio Lower Upper  
 75 100  
 110 9.7 20.8 62.2#  
 77 0.5 25.4 38.0#





#38

Carbon Tetrachloride

Concen: 6.805 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010364.D

Acq: 20 Jun 2019 17:58

Instrument :

MSVOA\_X

ClientSampled :

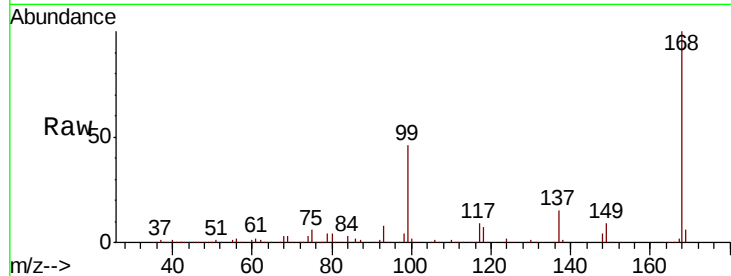
Tot Ion:117 Resp: 27053

Ion Ratio Lower Upper

117 100

119 4.6 78.2 117.4#

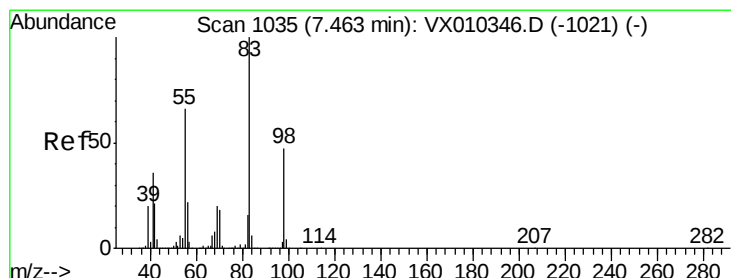
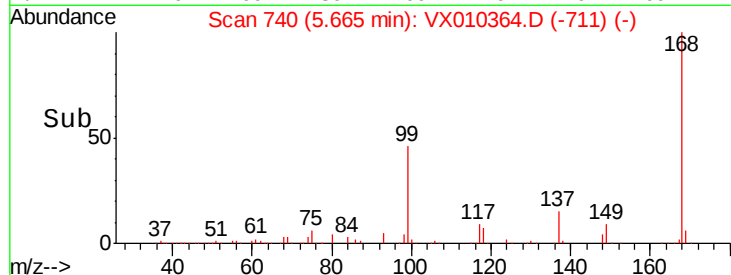
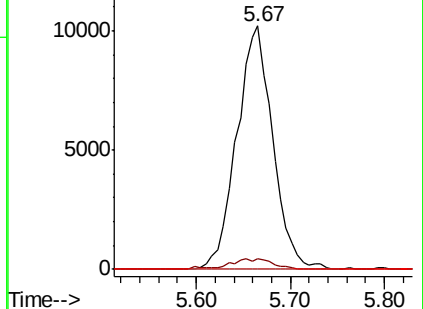
121 0.0 24.7 37.1#



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: 0.981 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX010364.D

Acq: 20 Jun 2019 17:58

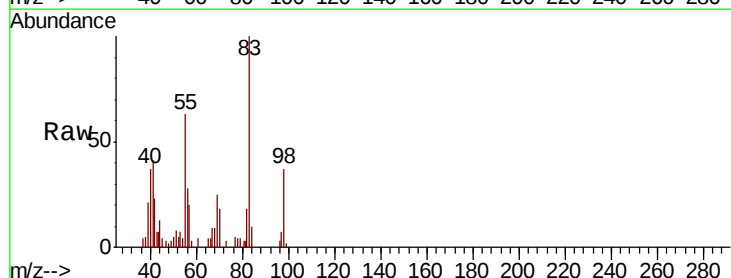
Tgt Ion: 83 Resp: 4735

Ion Ratio Lower Upper

83 100

55 61.1 53.0 79.6

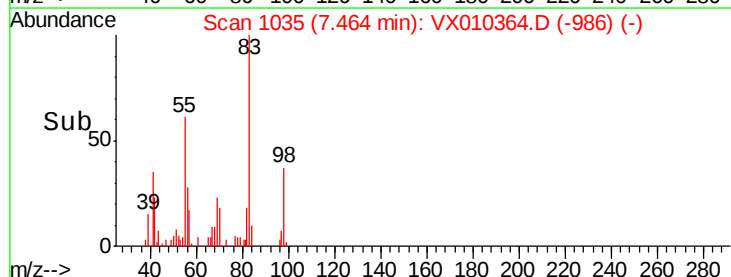
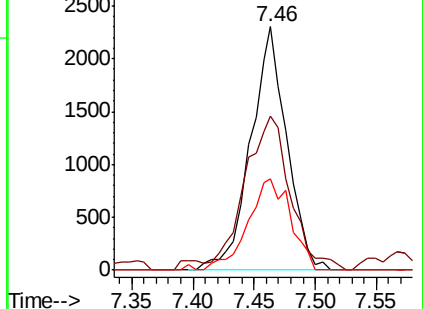
98 37.3 37.8 56.8#

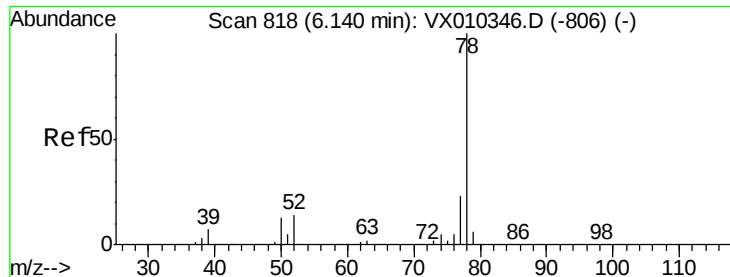


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 0.713 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX010364.D

Acq: 20 Jun 2019 17:58

Instrument :

MSVOA\_X

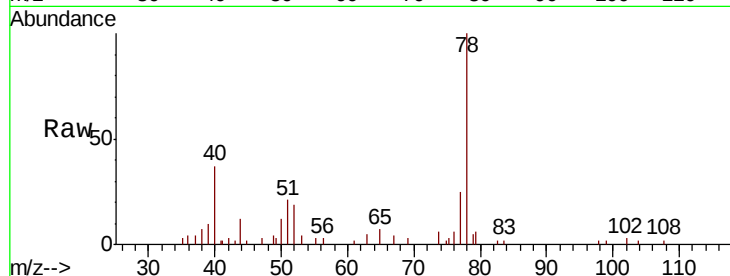
ClientSampleId :

Tot Ion: 78 Resp: 8150

Ion Ratio Lower Upper

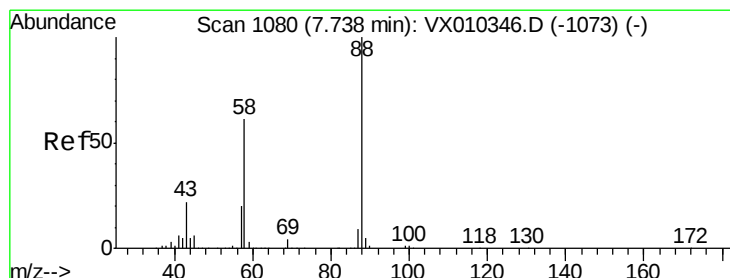
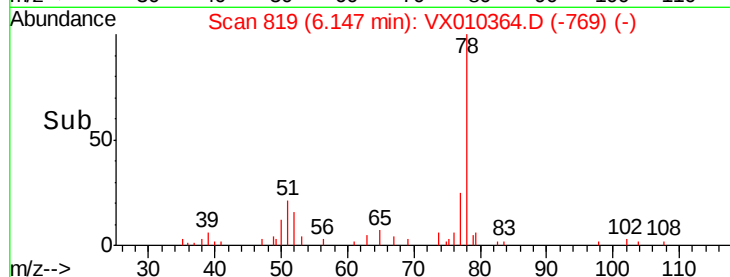
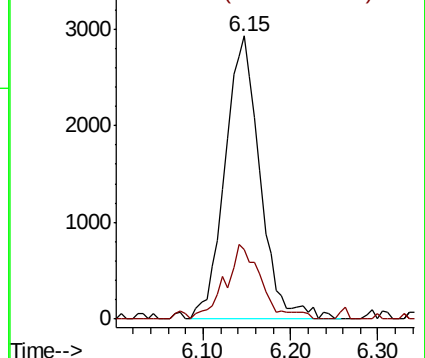
78 100

77 24.8 18.6 28.0



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#49

1,4-Dioxane

Concen: 0.251 ug/l

RT: 7.65 min Scan# 1066

Delta R.T. -0.09 min

Lab File: VX010364.D

Acq: 20 Jun 2019 17:58

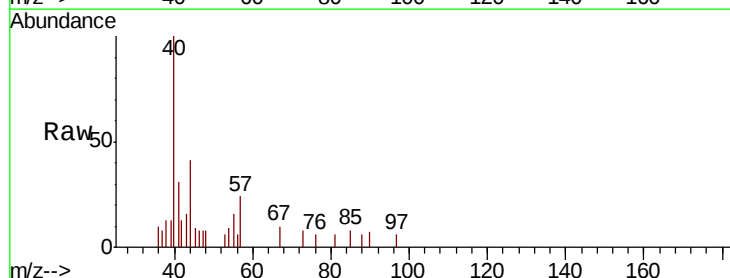
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 2057.1 20.2 30.2#

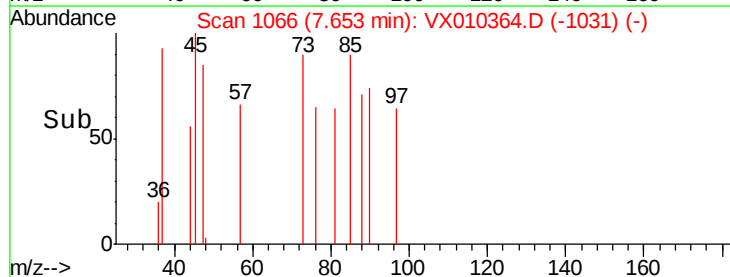
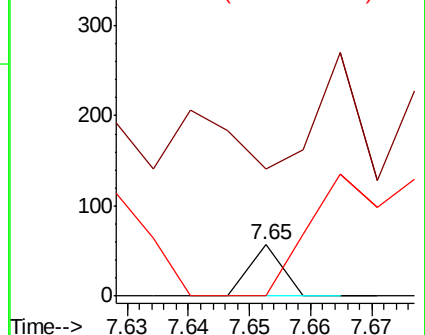
58 752.4 49.5 74.3#

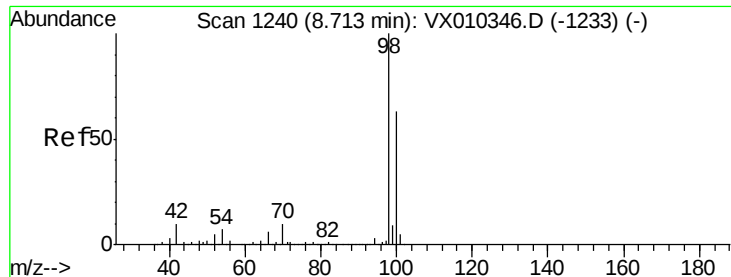


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

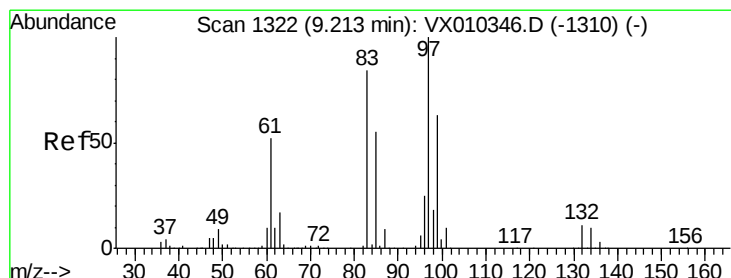
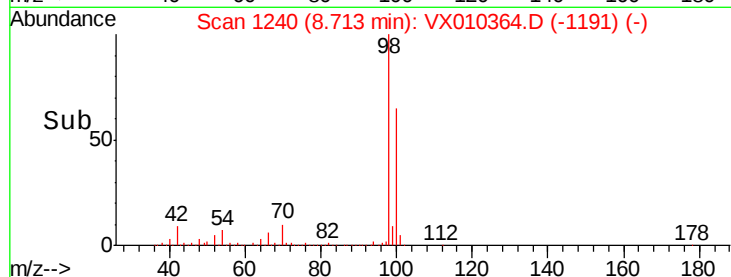
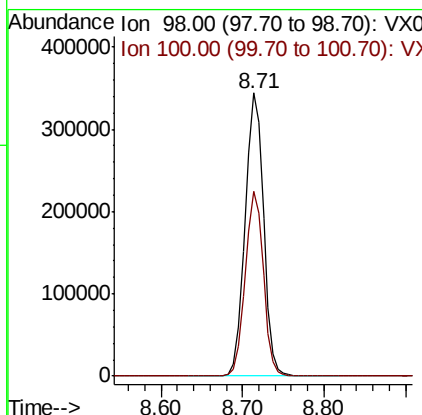
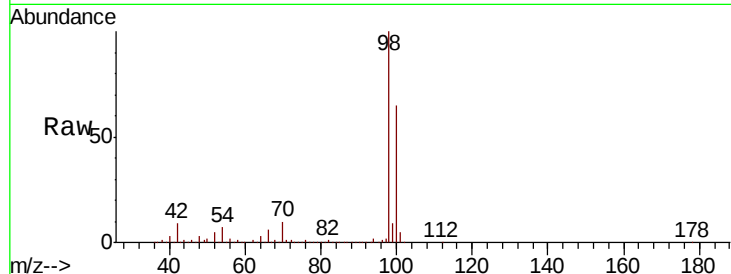




#50  
Toluene-d8  
Concen: 49.775 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. 0.00 min  
Lab File: VX010364.D  
Acq: 20 Jun 2019 17:58

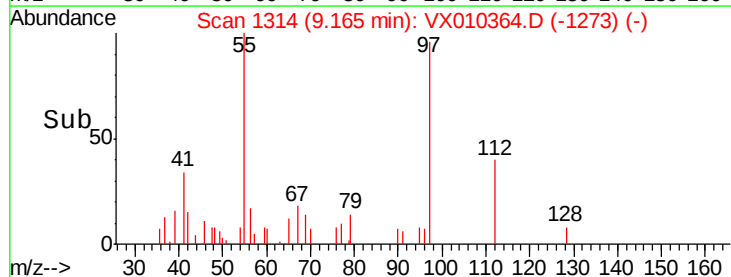
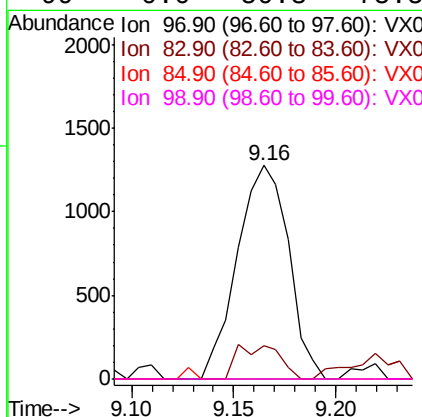
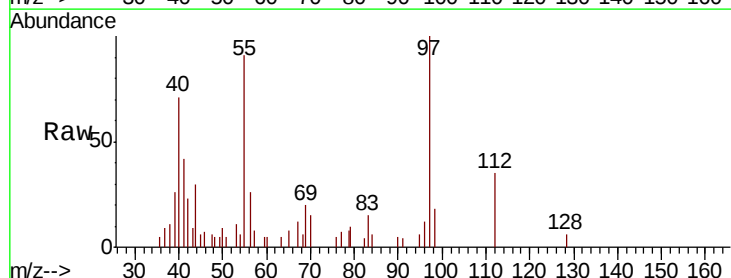
Instrument :  
MSVOA\_X  
ClientSampleId :

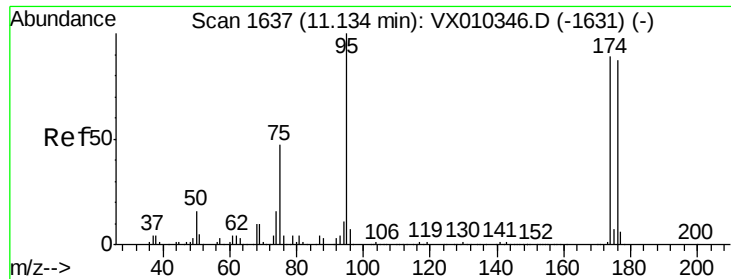
Tot Ion: 98 Resp: 538270  
Ion Ratio Lower Upper  
98 100  
100 64.2 51.6 77.4



#55  
1,1,2-Trichloroethane  
Concen: 0.718 ug/l  
RT: 9.16 min Scan# 1314  
Delta R.T. -0.05 min  
Lab File: VX010364.D  
Acq: 20 Jun 2019 17:58

Tgt Ion: 97 Resp: 2230  
Ion Ratio Lower Upper  
97 100  
83 15.4 67.4 101.0#  
85 0.0 43.8 65.8#  
99 0.0 50.3 75.5#





#62

4-Bromofluorobenzene

Concen: 45.870 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010364.D

Acq: 20 Jun 2019 17:58

Instrument :

MSVOA\_X

ClientSampleId :

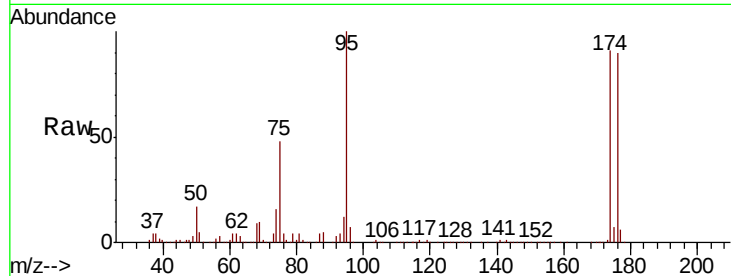
Tot Ion: 95 Resp: 179084

Ion Ratio Lower Upper

95 100

174 94.1 0.0 187.6

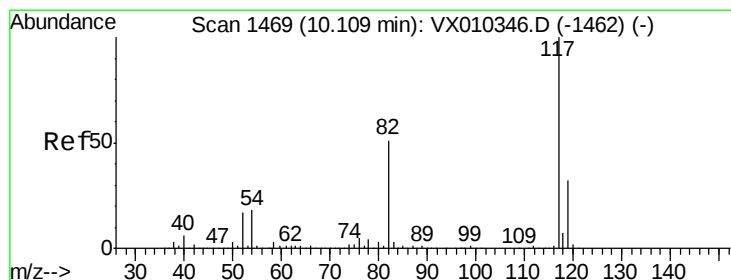
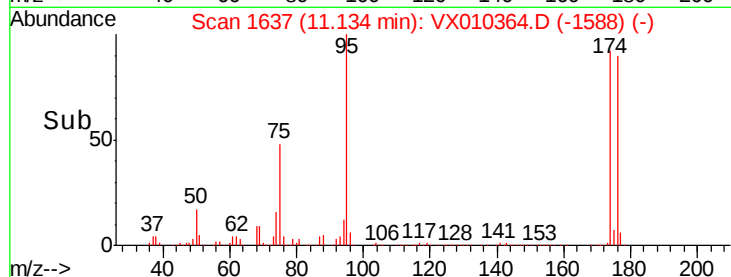
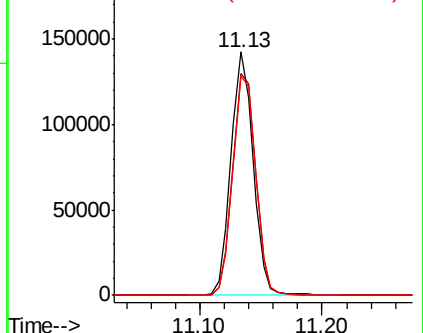
176 92.8 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX010346.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX010346.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX010346.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010364.D

Acq: 20 Jun 2019 17:58

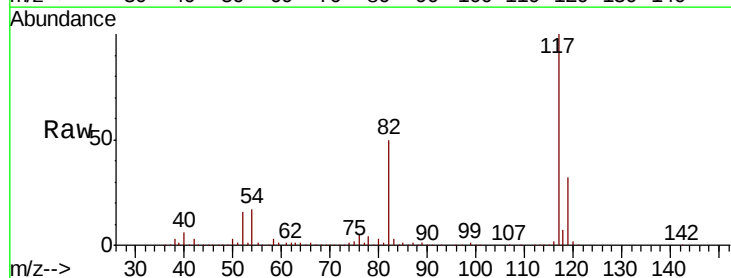
Tgt Ion: 117 Resp: 403147

Ion Ratio Lower Upper

117 100

82 49.8 41.2 61.8

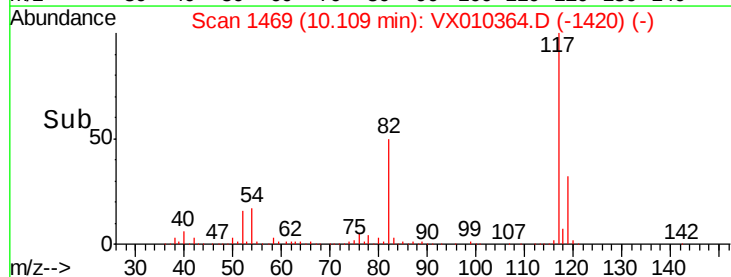
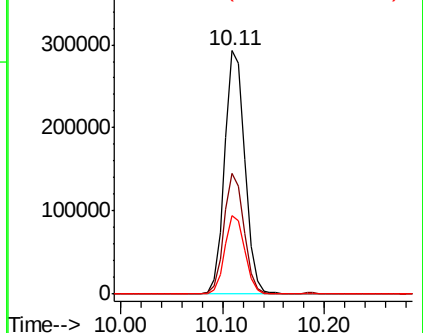
119 32.4 25.5 38.3

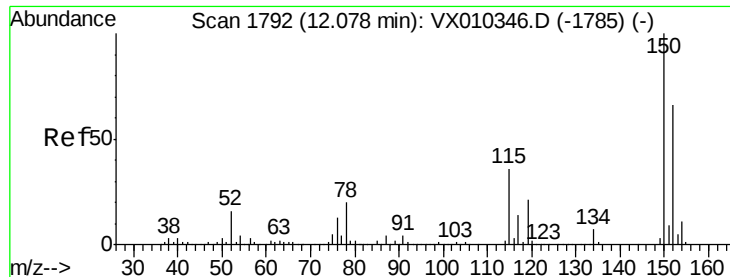


Abundance Ion 116.90 (116.60 to 117.60): VX010346.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX010346.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX010346.D (-1462) (-)



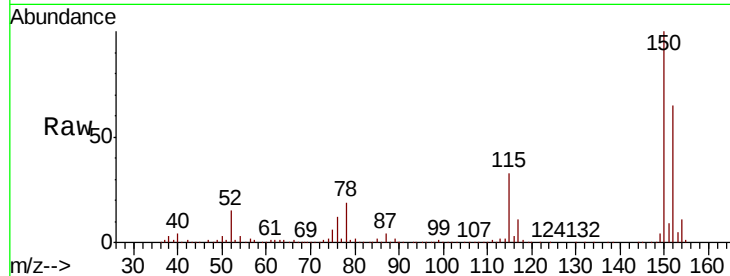


#72

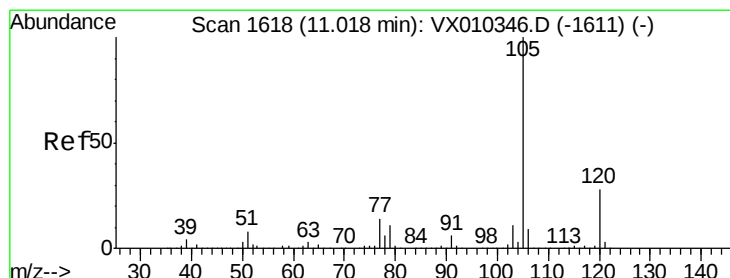
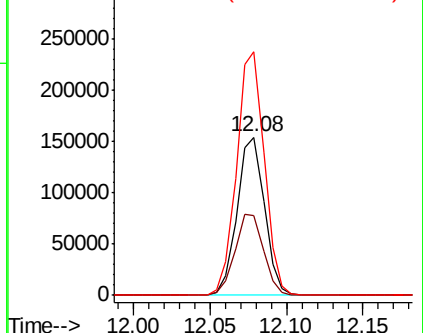
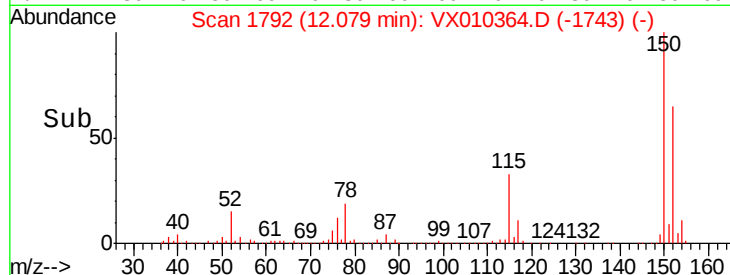
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX010364.D  
Acq: 20 Jun 2019 17:58

Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion:152 Resp: 191015  
Ion Ratio Lower Upper  
152 100  
115 53.6 38.6 115.7  
150 155.9 0.0 347.4



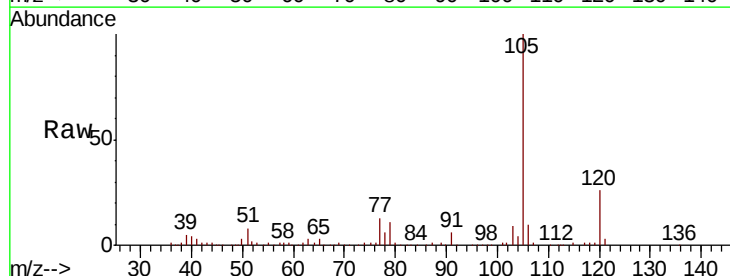
Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V



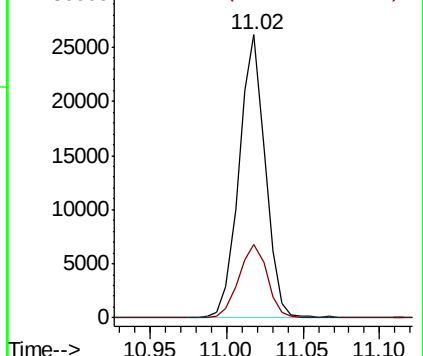
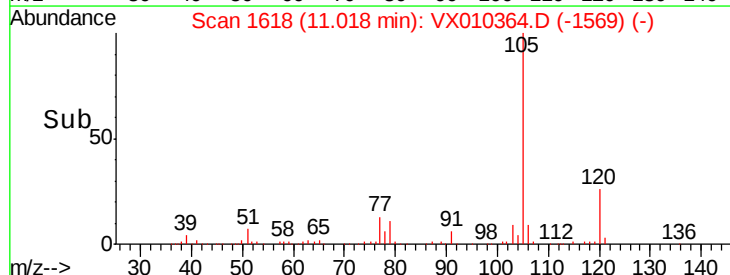
#73

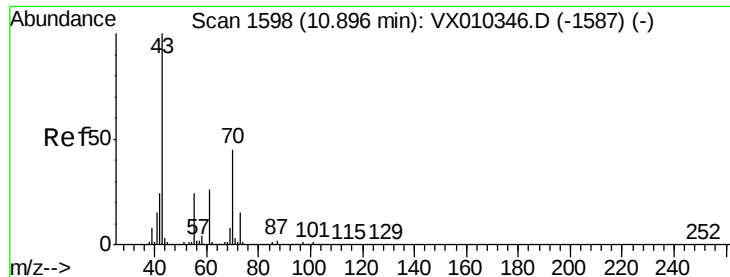
Isopropylbenzene  
Concen: 2.397 ug/l  
RT: 11.02 min Scan# 1618  
Delta R.T. 0.00 min  
Lab File: VX010364.D  
Acq: 20 Jun 2019 17:58

Tgt Ion:105 Resp: 31039  
Ion Ratio Lower Upper  
105 100  
120 28.1 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V  
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.518 ug/l

RT: 10.94 min Scan# 1605

Delta R.T. 0.04 min

Lab File: VX010364.D

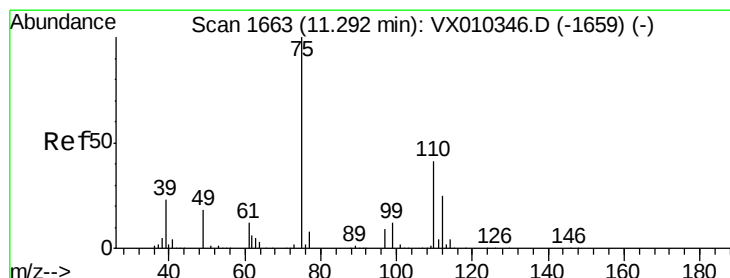
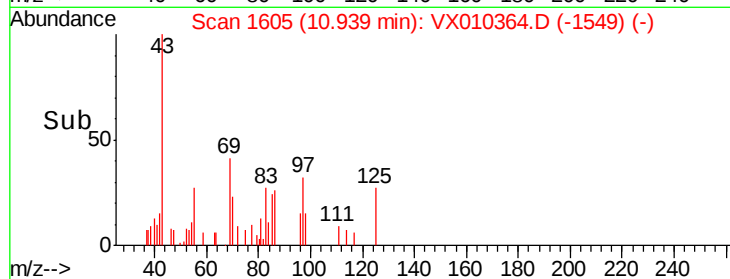
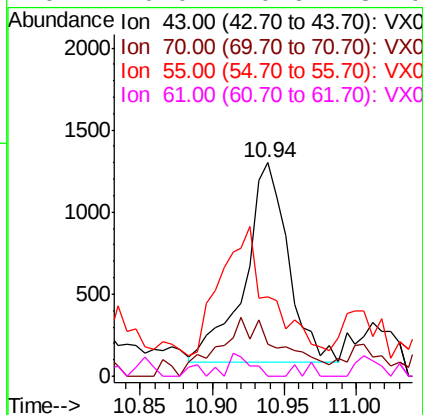
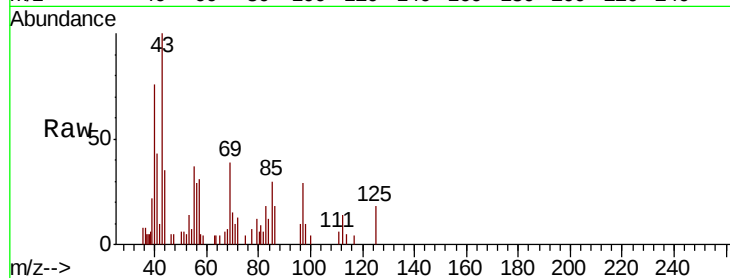
Acq: 20 Jun 2019 17:58

Instrument :

MSVOA\_X

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 2533  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 70       | 43.3  | 36.6  | 54.8  |
| 55       | 74.3  | 18.7  | 28.1# |
| 61       | 0.0   | 20.6  | 31.0# |



#76

1,2,3-Trichloropropane

Concen: 23.707 ug/l

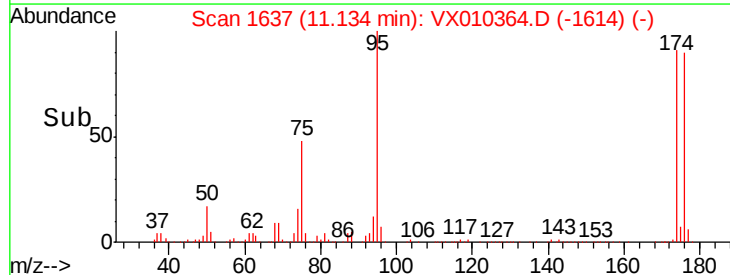
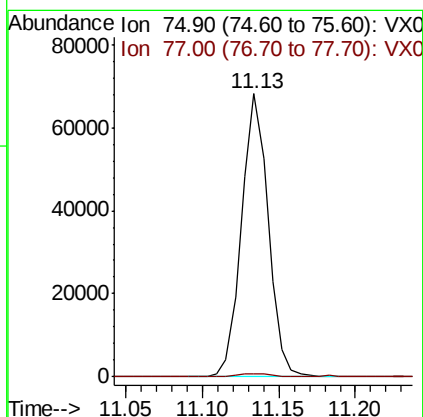
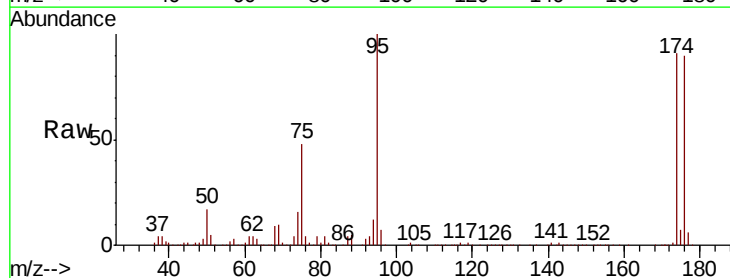
RT: 11.13 min Scan# 1637

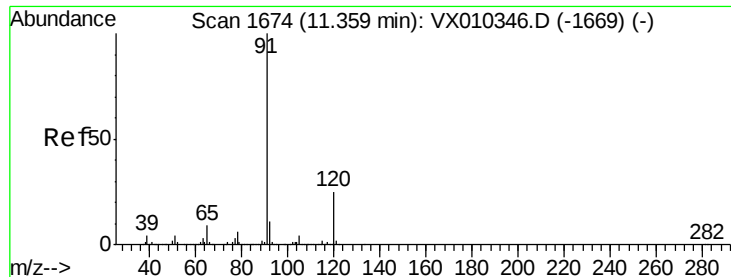
Delta R.T. -0.16 min

Lab File: VX010364.D

Acq: 20 Jun 2019 17:58

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 82520 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 1.6   | 22.6  | 67.8# |





#78

n-propylbenzene

Concen: 2.885 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010364.D

Acq: 20 Jun 2019 17:58

Instrument :

MSVOA\_X

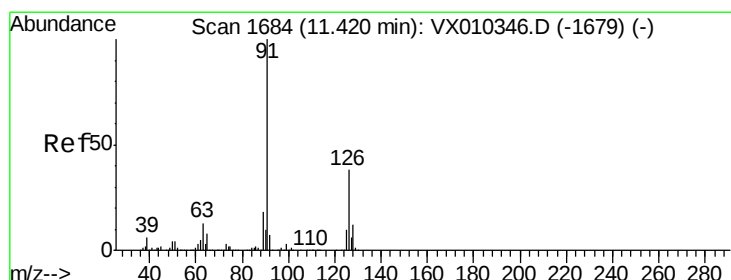
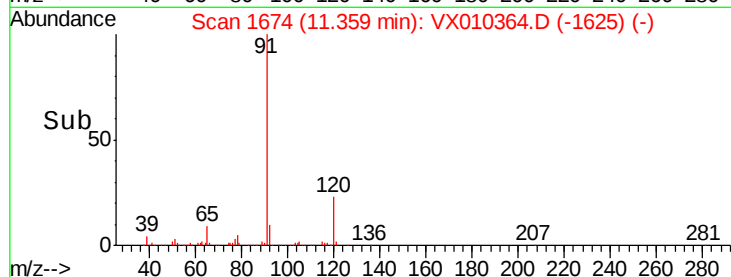
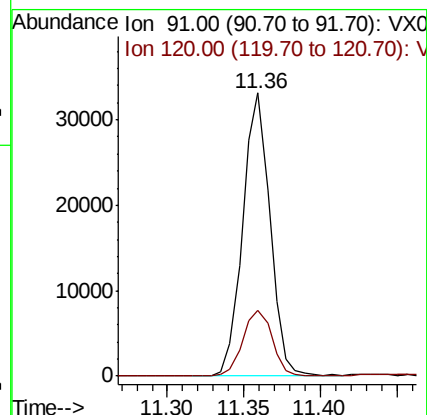
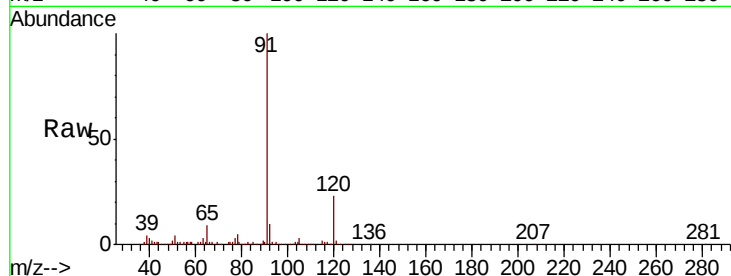
ClientSampleId :

Tot Ion: 91 Resp: 41051

Ion Ratio Lower Upper

91 100

120 24.9 12.4 37.4



#79

2-Chlorotoluene

Concen: 4.844 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.06 min

Lab File: VX010364.D

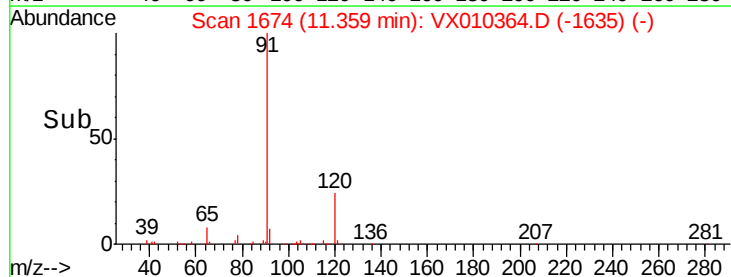
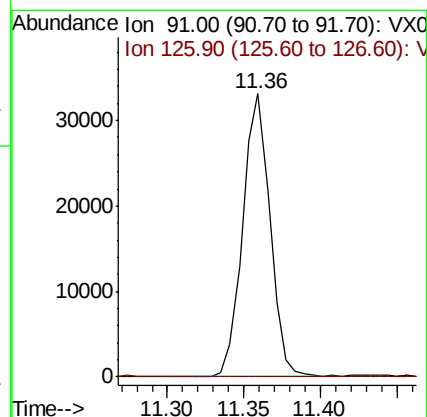
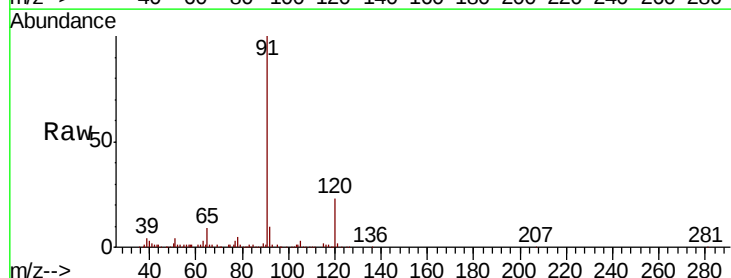
Acq: 20 Jun 2019 17:58

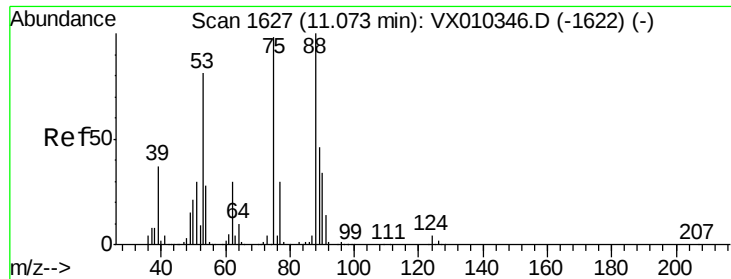
Tgt Ion: 91 Resp: 41051

Ion Ratio Lower Upper

91 100

126 0.4 18.7 56.1#

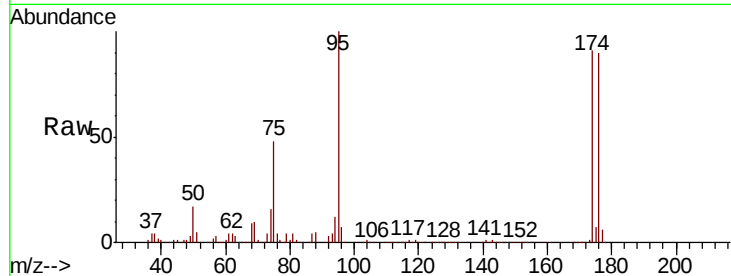




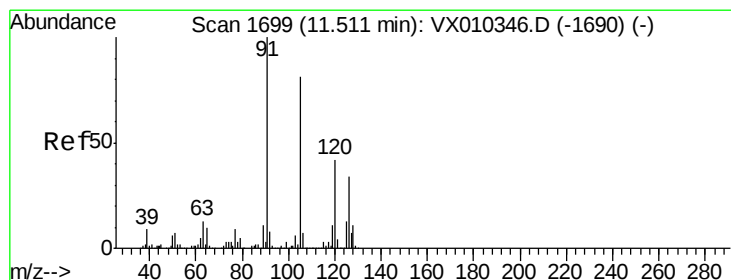
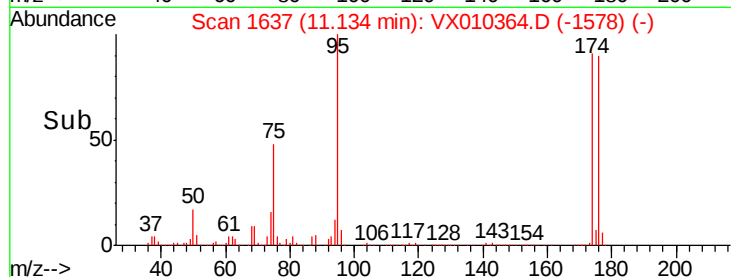
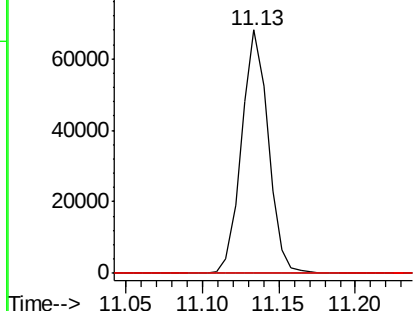
#81  
trans-1,4-Dichloro-2-butene  
Concen: 55.306 ug/l  
RT: 11.13 min Scan# 1637  
Delta R.T. 0.06 min  
Lab File: VX010364.D  
Acq: 20 Jun 2019 17:58

Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion: 75 Resp: 82520  
Ion Ratio Lower Upper  
75 100  
53 0.0 66.1 99.1#  
89 0.0 37.8 56.6#

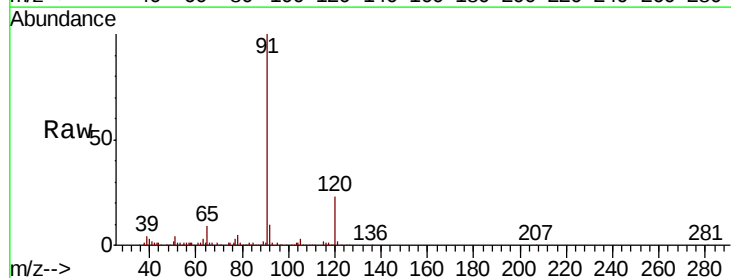


Abundance Ion 74.90 (74.60 to 75.60): VX0  
Ion 53.00 (52.70 to 53.70): VX0  
Ion 88.90 (88.60 to 89.60): VX0

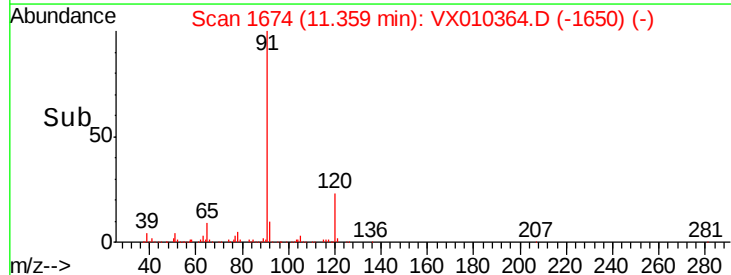
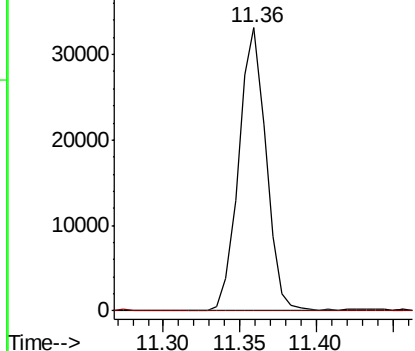


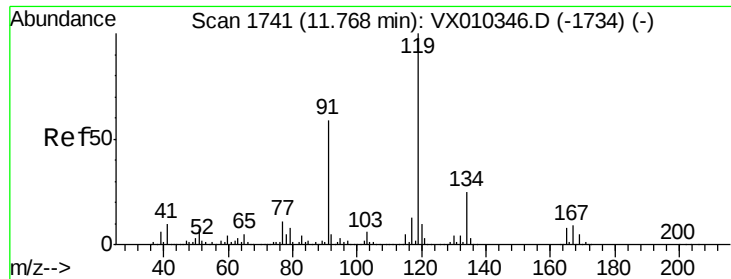
#82  
4-Chlorotoluene  
Concen: 4.257 ug/l  
RT: 11.36 min Scan# 1674  
Delta R.T. -0.15 min  
Lab File: VX010364.D  
Acq: 20 Jun 2019 17:58

Tgt Ion: 91 Resp: 41051  
Ion Ratio Lower Upper  
91 100  
126 0.4 16.2 48.6#



Abundance Ion 91.00 (90.70 to 91.70): VX0  
Ion 125.90 (125.60 to 126.60): V

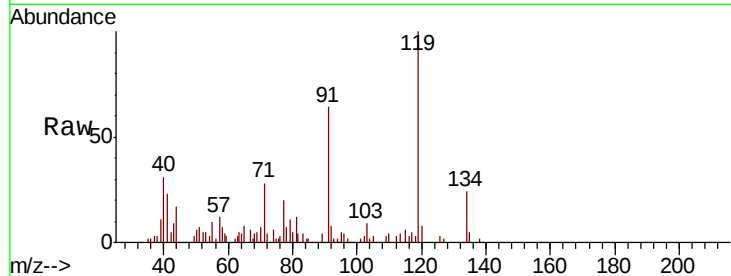




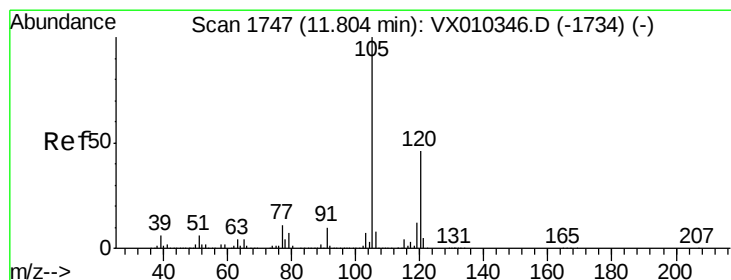
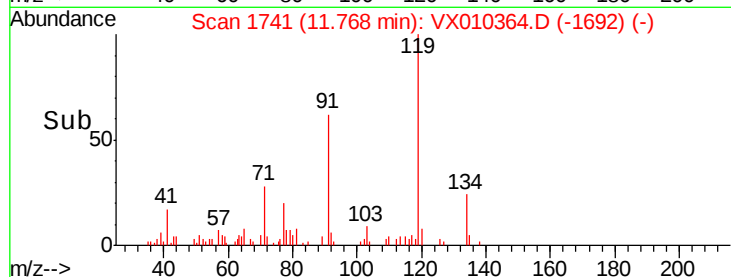
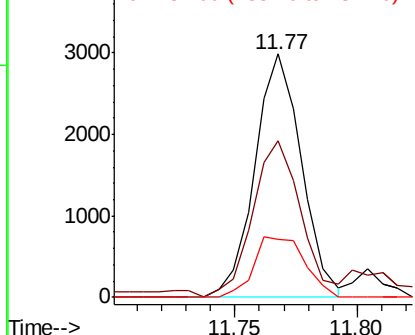
#83  
 tert-Butylbenzene  
 Concen: 0.373 ug/l  
 RT: 11.77 min Scan# 1741  
 Delta R.T. 0.00 min  
 Lab File: VX010364.D  
 Acq: 20 Jun 2019 17:58

Instrument :  
 MSVOA\_X  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 66.5  | 27.6  | 82.7  |
| 134     | 27.1  | 11.8  | 35.4  |

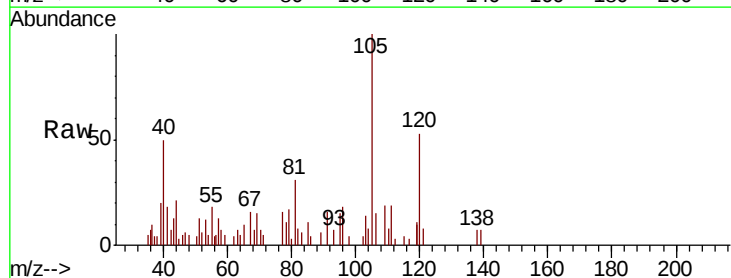


Abundance Ion 119.00 (118.70 to 119.70): V  
 Ion 91.00 (90.70 to 91.70): VX0  
 Ion 134.00 (133.70 to 134.70): V

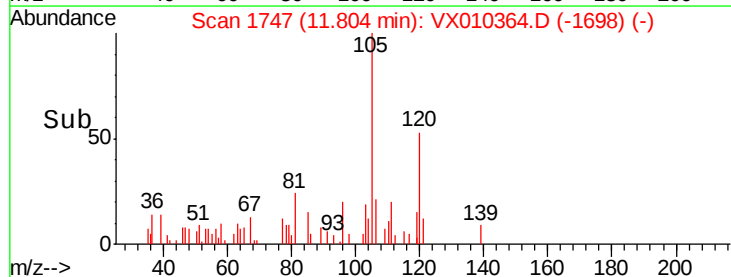
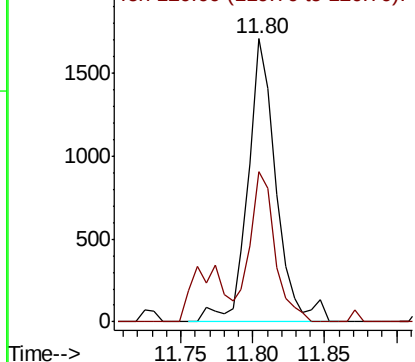


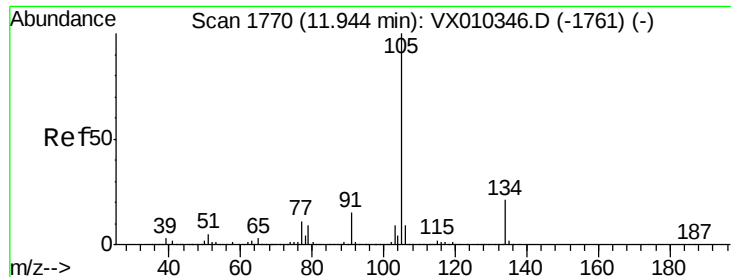
#84  
 1,2,4-Trimethylbenzene  
 Concen: 0.215 ug/l  
 RT: 11.80 min Scan# 1747  
 Delta R.T. 0.00 min  
 Lab File: VX010364.D  
 Acq: 20 Jun 2019 17:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 47.3  | 23.1  | 69.2  |



Abundance Ion 105.00 (104.70 to 105.70): V  
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 1.423 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010364.D

Acq: 20 Jun 2019 17:58

Instrument :

MSVOA\_X

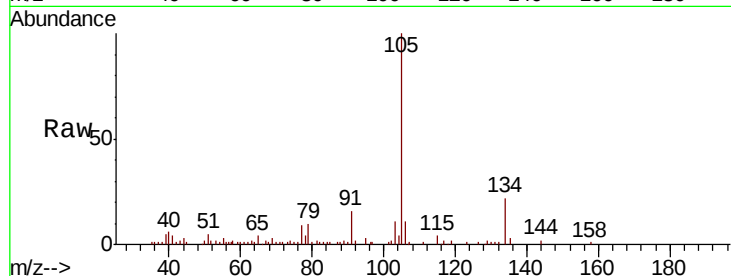
ClientSampleId :

Tot Ion:105 Resp: 17903

Ion Ratio Lower Upper

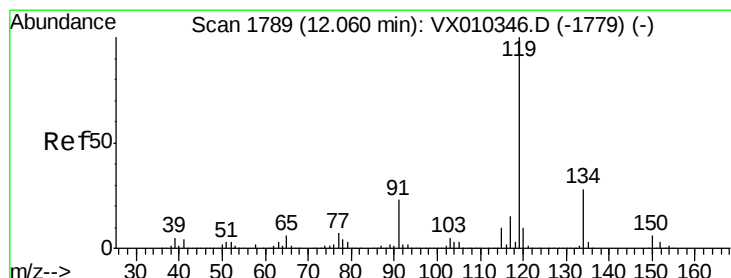
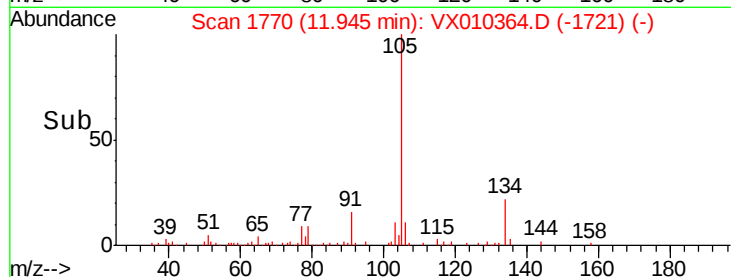
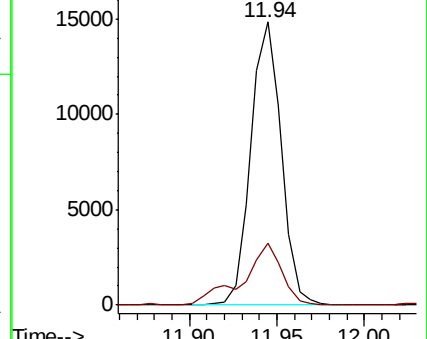
105 100

134 28.2 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.828 ug/l

RT: 12.23 min Scan# 1817

Delta R.T. 0.17 min

Lab File: VX010364.D

Acq: 20 Jun 2019 17:58

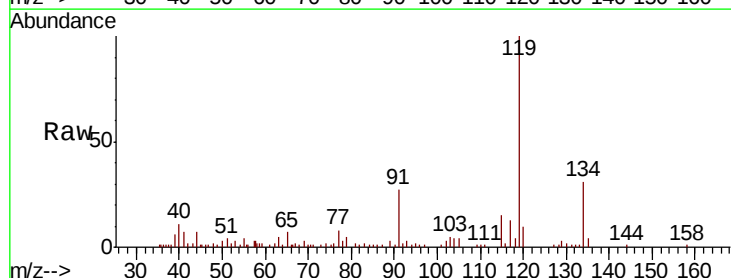
Tgt Ion:119 Resp: 9634

Ion Ratio Lower Upper

119 100

134 27.6 13.7 41.1

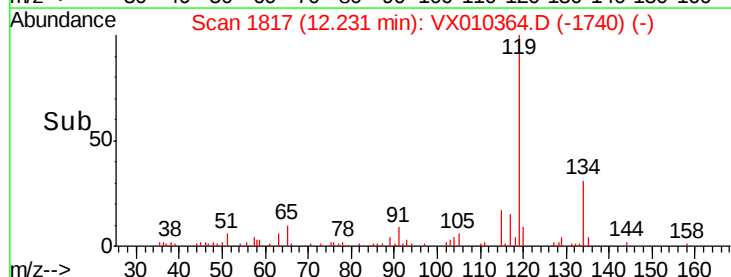
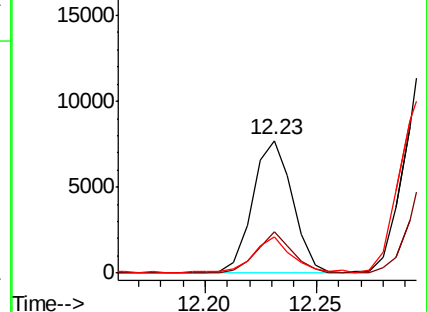
91 27.8 11.3 33.8

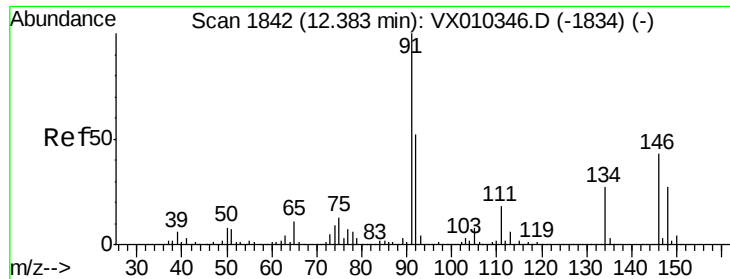


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

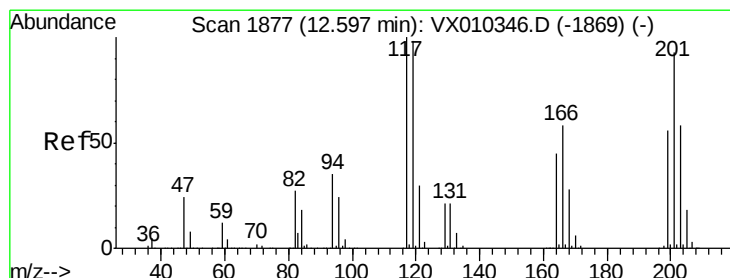
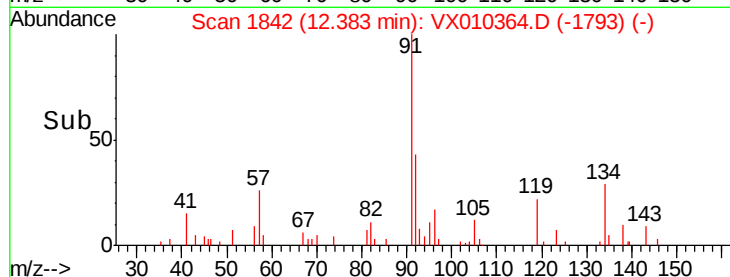
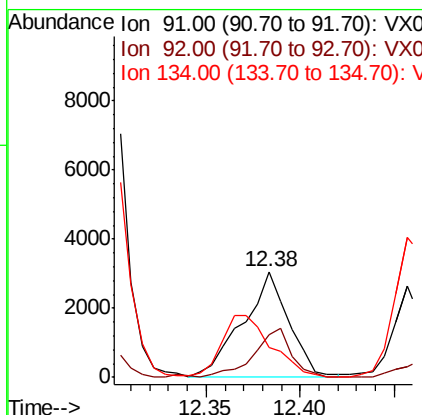
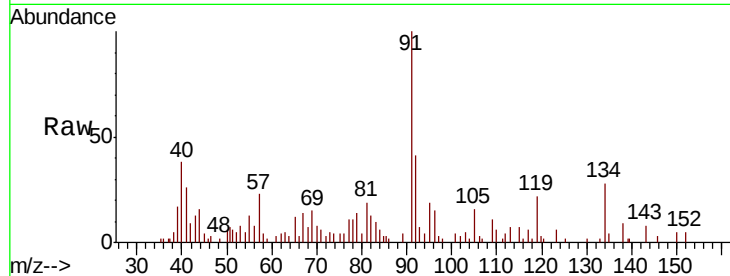




#89  
n-Butylbenzene  
Concen: 0.530 ug/l  
RT: 12.38 min Scan# 1842  
Delta R.T. 0.00 min  
Lab File: VX010364.D  
Acq: 20 Jun 2019 17:58

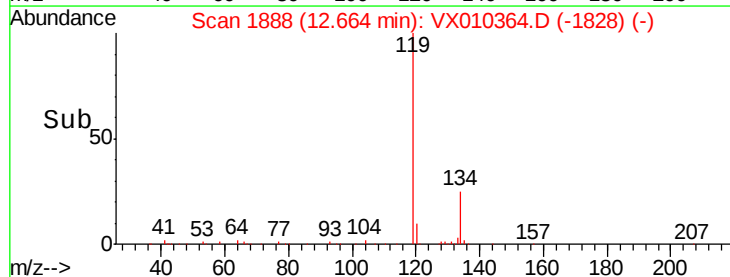
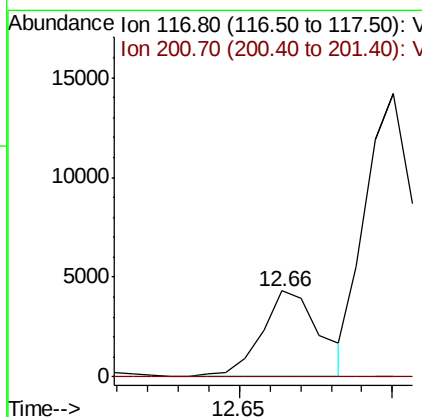
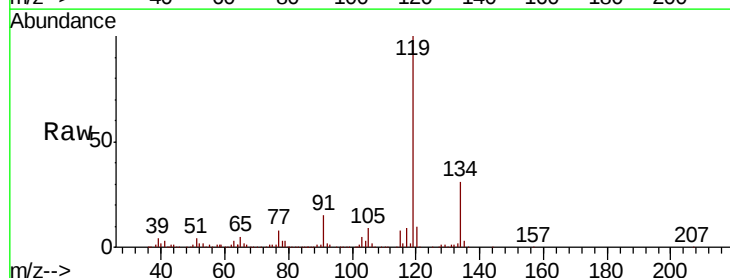
Instrument :  
MSVOA\_X  
ClientSampled :

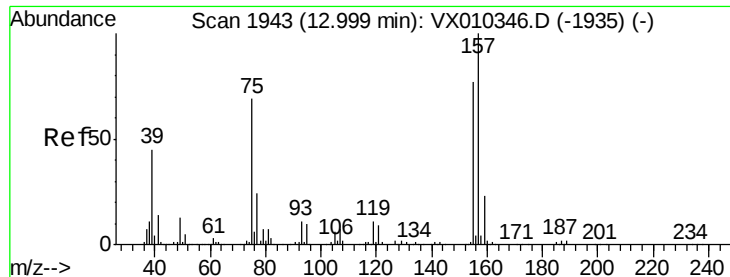
Tot Ion: 91 Resp: 5241  
Ion Ratio Lower Upper  
91 100  
92 36.9 26.2 78.5  
134 62.1 14.1 42.4#



#90  
Hexachloroethane  
Concen: 2.848 ug/l  
RT: 12.66 min Scan# 1888  
Delta R.T. 0.07 min  
Lab File: VX010364.D  
Acq: 20 Jun 2019 17:58

Tgt Ion: 117 Resp: 5730  
Ion Ratio Lower Upper  
117 100  
201 0.0 44.0 131.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.555 ug/l

RT: 12.97 min Scan# 1939

Delta R.T. -0.02 min

Lab File: VX010364.D

Acq: 20 Jun 2019 17:58

Instrument :

MSVOA\_X

ClientSampleId :

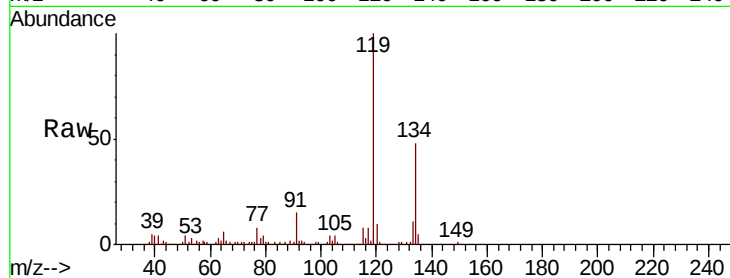
Tot Ion: 75 Resp: 513

Ion Ratio Lower Upper

75 100

155 0.0 54.4 163.1#

157 0.0 69.5 208.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

12.97

300

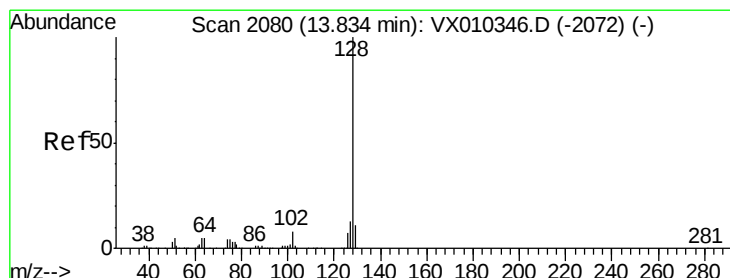
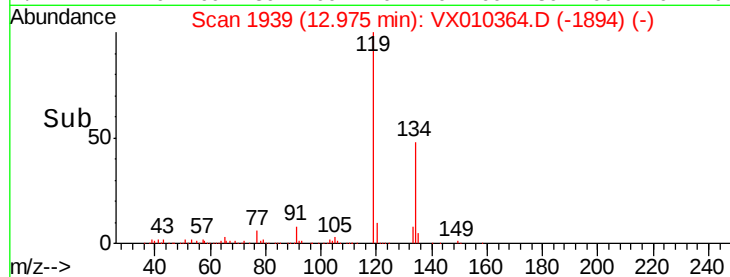
200

100

0

12.95 13.00

Time-->



#95

Naphthalene

Concen: 3.807 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010364.D

Acq: 20 Jun 2019 17:58

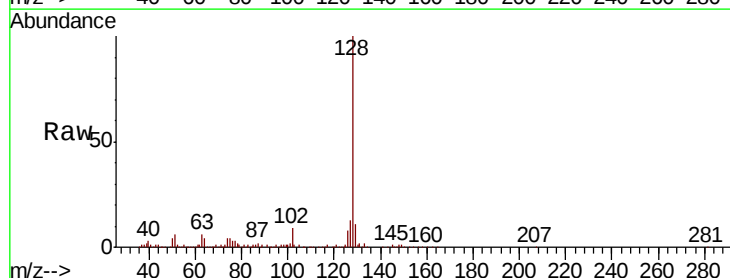
Tgt Ion:128 Resp: 50887

Ion Ratio Lower Upper

128 100

127 14.1 10.2 15.4

129 12.9 8.9 13.3



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

13.83

50000

40000

30000

20000

10000

0

13.80 13.90

Time-->

