

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090418\  
 Data File : VW005124.D  
 Acq On : 05 Sep 2018 11:55  
 Operator : SY/AP  
 Sample : J4726-03  
 Misc : 5.12G/5ML/MSVOA W/SOIL  
 ALS Vial : 53 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Sep 05 12:24:57 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W090118S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 01 03:35:05 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.96  | 168  | 577875   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 909909   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.64 | 117  | 745626   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 264133   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.31   | 65  | 288661   | 60.26 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 120.52% |      |
| 35) Dibromofluoromethane  | 7.89   | 113 | 259033   | 49.26 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.52%  |      |
| 50) Toluene-d8            | 10.33  | 98  | 1156147  | 47.72 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.44%  |      |
| 62) 4-Bromofluorobenzene  | 12.62  | 95  | 337240   | 39.47 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 78.94%  |      |

## Target Compounds

|                                |       |     |        |           | Qvalue |     |
|--------------------------------|-------|-----|--------|-----------|--------|-----|
| 5) Bromomethane                | 2.78  | 94  | 542    | Below Cal | #      | 41  |
| 10) Methyl Iodide              | 4.28  | 142 | 210    | 3.844     | ug/l # | 44  |
| 11) Tert butyl alcohol         | 5.20  | 59  | 12879  | 8.205     | ug/l # | 87  |
| 16) Acetone                    | 4.14  | 43  | 140480 | 146.228   | ug/l   | 95  |
| 18) Methyl Acetate             | 4.68  | 43  | 2852   | 1.009     | ug/l # | 87  |
| 20) Methylene Chloride         | 4.93  | 84  | 70917  | 7.628     | ug/l   | 97  |
| 25) 2-Butanone                 | 7.20  | 43  | 6668   | 4.002     | ug/l # | 87  |
| 29) Tetrahydrofuran            | 7.54  | 42  | 7805   | 9.167     | ug/l   | 95  |
| 31) Cyclohexane                | 7.96  | 56  | 69396  | 7.376     | ug/l # | 84  |
| 36) 1,1-Dichloropropene        | 7.95  | 75  | 39397  | 4.546     | ug/l # | 51  |
| 37) Ethyl Acetate              | 7.20  | 43  | 6668   | 2.057     | ug/l # | 42  |
| 38) Carbon Tetrachloride       | 7.96  | 117 | 51300  | 6.226     | ug/l # | 16  |
| 39) Methylcyclohexane          | 9.34  | 83  | 177040 | 16.893    | ug/l   | 99  |
| 43) Isopropyl Acetate          | 8.43  | 43  | 14713  | 2.495     | ug/l # | 51  |
| 47) Bromodichloromethane       | 9.63  | 83  | 9164   | 1.174     | ug/l # | 28  |
| 48) Methyl methacrylate        | 9.47  | 41  | 6264   | 2.206     | ug/l # | 21  |
| 51) 4-Methyl-2-Pentanone       | 10.33 | 43  | 21714  | 5.494     | ug/l   | 99  |
| 52) Toluene                    | 10.40 | 92  | 22766  | 1.266     | ug/l   | 97  |
| 55) 1,1,2-Trichloroethane      | 10.77 | 97  | 85595  | 17.839    | ug/l # | 23  |
| 56) Ethyl methacrylate         | 10.68 | 69  | 26907  | 4.915     | ug/l # | 6   |
| 59) 2-Hexanone                 | 10.84 | 43  | 250353 | 93.651    | ug/l   | 67  |
| 67) Ethyl Benzene              | 11.74 | 91  | 34305  | 1.209     | ug/l   | 92  |
| 68) m/p-Xylenes                | 11.84 | 106 | 37049  | 3.261     | ug/l   | 98  |
| 69) o-Xylene                   | 12.17 | 106 | 74768  | 7.117     | ug/l   | 93  |
| 73) Isopropylbenzene           | 12.47 | 105 | 73310  | 3.936     | ug/l   | 87  |
| 74) N-amyl acetate             | 12.26 | 43  | 141153 | 44.016    | ug/l # | 55  |
| 75) 1,1,2,2-Tetrachloroethane  | 12.69 | 83  | 67770  | 23.903    | ug/l # | 49  |
| 76) 1,2,3-Trichloropropane     | 12.62 | 75  | 154444 | 77.898    | ug/l # | 100 |
| 77) Bromobenzene               | 12.95 | 156 | 36000  | 7.845     | ug/l # | 4   |
| 78) n-propylbenzene            | 12.81 | 91  | 126722 | 5.636     | ug/l   | 99  |
| 79) 2-Chlorotoluene            | 12.87 | 91  | 36913  | 2.814     | ug/l # | 44  |
| 80) 1,3,5-Trimethylbenzene     | 12.95 | 105 | 541629 | 33.629    | ug/l   | 99  |
| 81) trans-1,4-Dichloro-2-buten | 12.62 | 75  | 154444 | 187.492   | ug/l # | 15  |
| 82) 4-Chlorotoluene            | 12.95 | 91  | 79570  | 5.745     | ug/l # | 48  |

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 ALS Vial : 53 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Sep 05 12:24:57 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W090118S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 01 03:35:05 2018  
 Response via : Initial Calibration

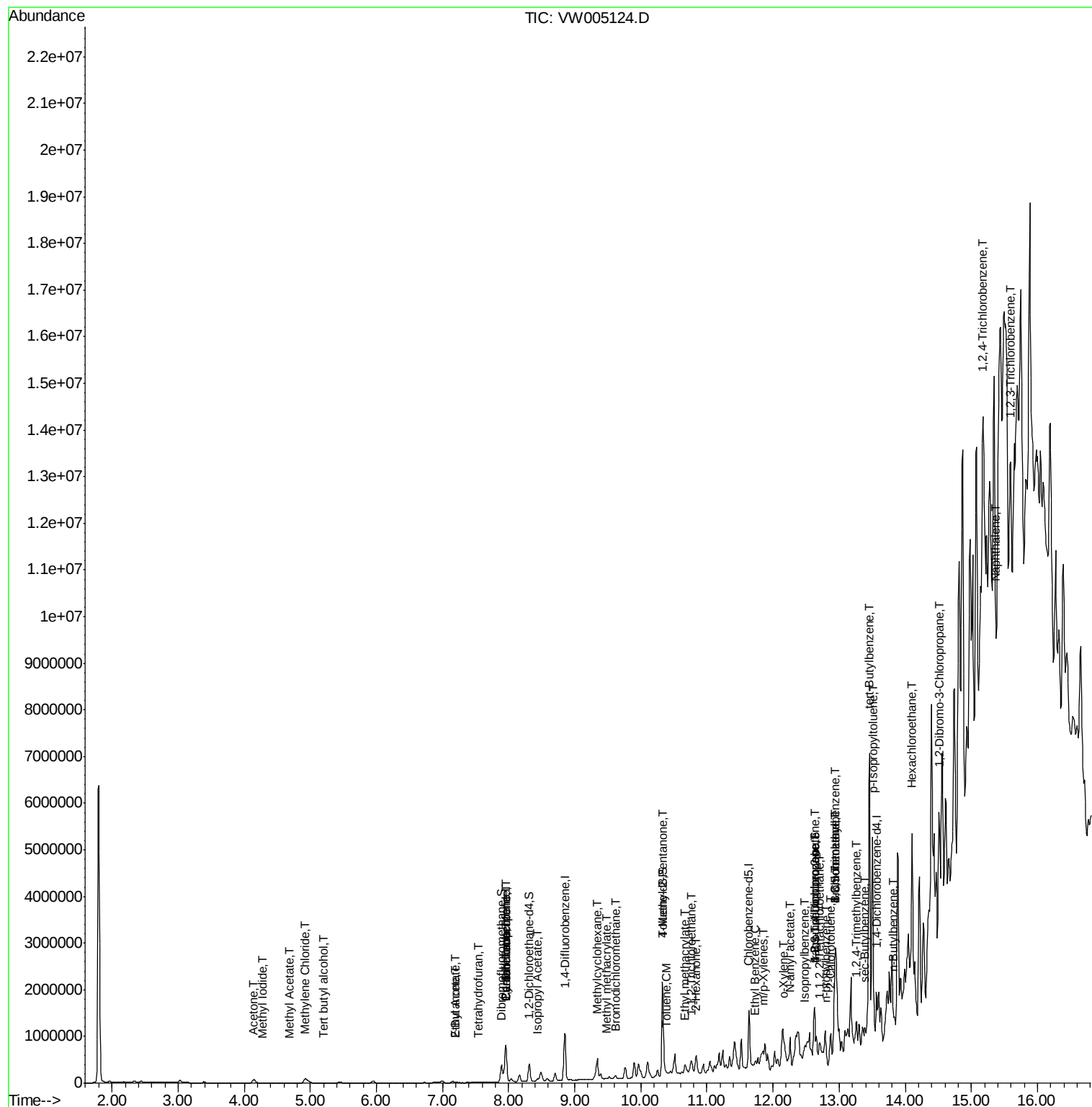
| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 83) tert-Butylbenzene          | 13.45 | 119  | 180976   | 13.455  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.26 | 105  | 384957   | 23.469  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.39 | 105  | 122690   | 6.207   | ug/l # | 77       |
| 86) p-Isopropyltoluene         | 13.51 | 119  | 2303543  | 131.652 | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.83 | 91   | 132741   | 8.186   | ug/l # | 65       |
| 90) Hexachloroethane           | 14.10 | 117  | 131877   | 45.375  | ug/l # | 5        |
| 92) 1,2-Dibromo-3-Chloropropan | 14.51 | 75   | 5176     | 11.682  | ug/l # | 22       |
| 93) 1,2,4-Trichlorobenzene     | 15.18 | 180  | 73933    | 13.420  | ug/l # | 1        |
| 95) Naphthalene                | 15.38 | 128  | 61221    | 9.896   | ug/l # | 69       |
| 96) 1,2,3-Trichlorobenzene     | 15.59 | 180  | 294442   | 62.452  | ug/l # | 12       |

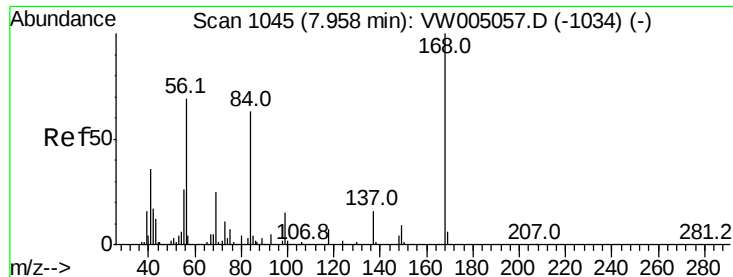
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090418\  
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Sample : J4726-03  
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.00 min

Lab File: VW005124.D

Acq: 05 Sep 2018 11:55

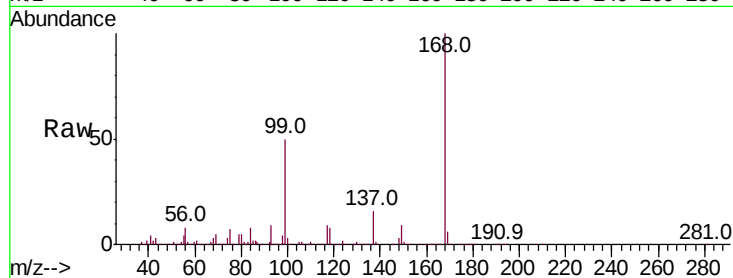
Instrument :  
MSVOA\_W  
ClientSampleId :

Tot Ion:168 Resp: 577875

Ion Ratio Lower Upper

168 100

99 50.1 39.4 59.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

250000

200000

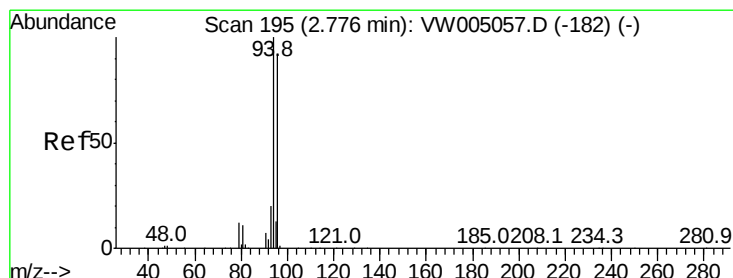
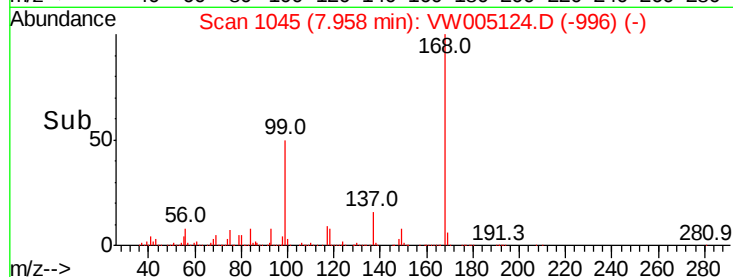
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 195

Delta R.T. -0.00 min

Lab File: VW005124.D

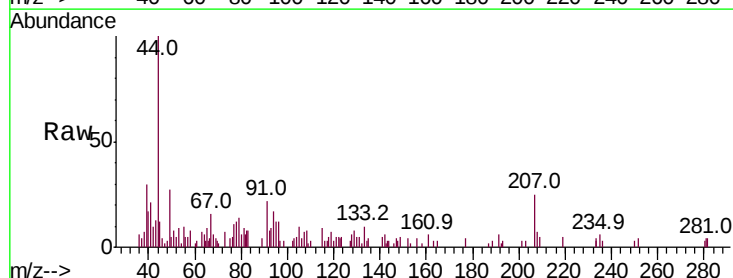
Acq: 05 Sep 2018 11:55

Tgt Ion: 94 Resp: 542

Ion Ratio Lower Upper

94 100

96 35.7 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.78

500

400

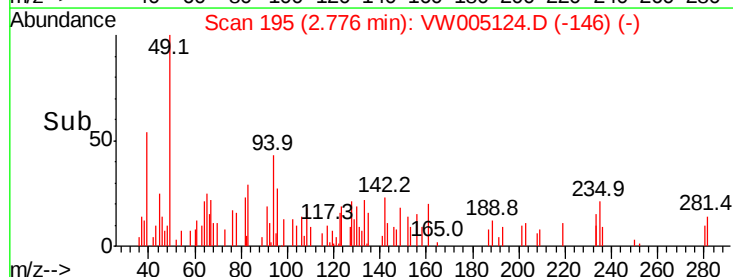
300

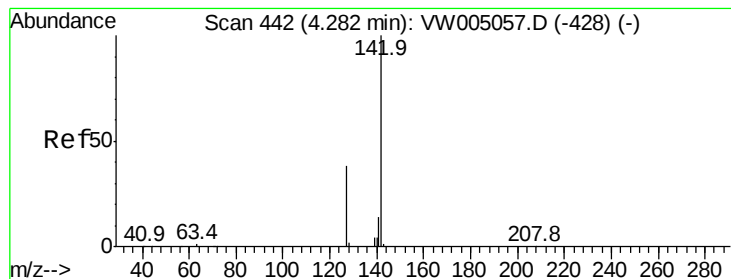
200

100

0

Time--> 2.75 2.80





#10

Methyl Iodide

Concen: 3.844 ug/l

RT: 4.28 min Scan# 441

Delta R.T. -0.01 min

Lab File: VW005124.D

Acq: 05 Sep 2018 11:55

Instrument :

MSVOA\_W

ClientSampled :

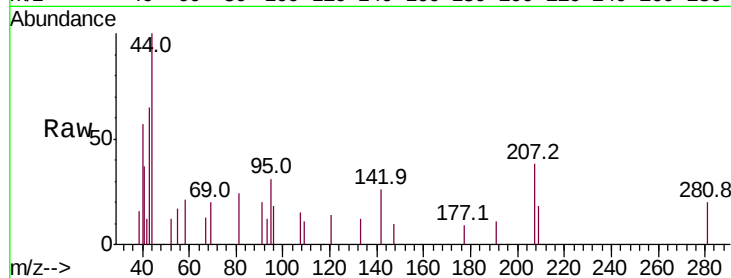
Tot Ion:142 Resp: 210

Ion Ratio Lower Upper

142 100

127 0.0 30.8 46.2#

141 0.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.28

150

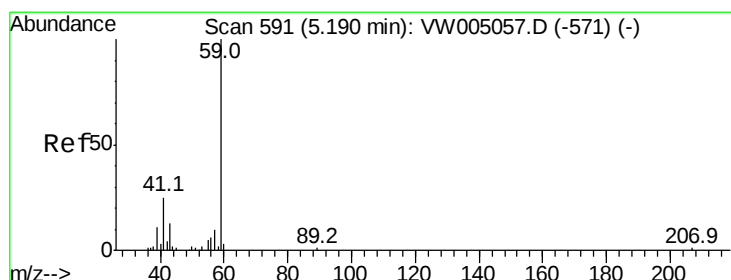
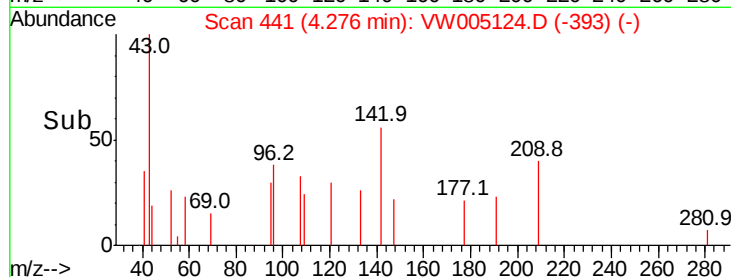
100

50

0

4.24 4.26 4.28 4.30

Time-->



#11

Tert butyl alcohol

Concen: 8.205 ug/l

RT: 5.20 min Scan# 593

Delta R.T. 0.01 min

Lab File: VW005124.D

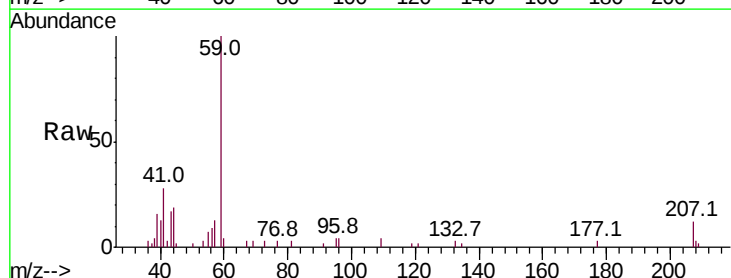
Acq: 05 Sep 2018 11:55

Tgt Ion: 59 Resp: 12879

Ion Ratio Lower Upper

59 100

57 5.6 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.20

3000

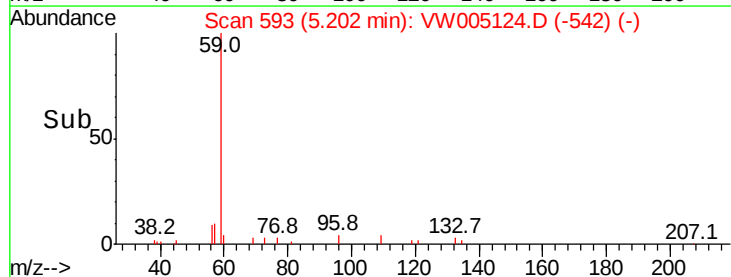
2000

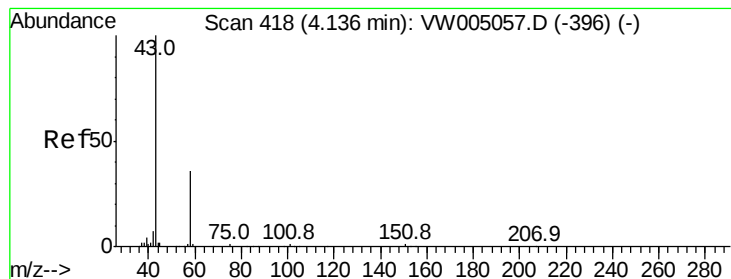
1000

0

5.00 5.10 5.20 5.30

Time-->





#16

Acetone

Concen: 146.228 ug/l

RT: 4.14 min Scan# 419

Delta R.T. 0.01 min

Lab File: VW005124.D

Acq: 05 Sep 2018 11:55

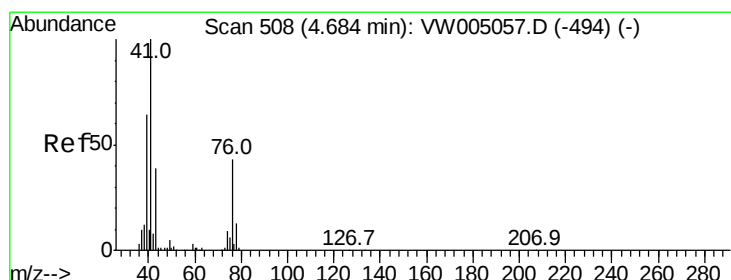
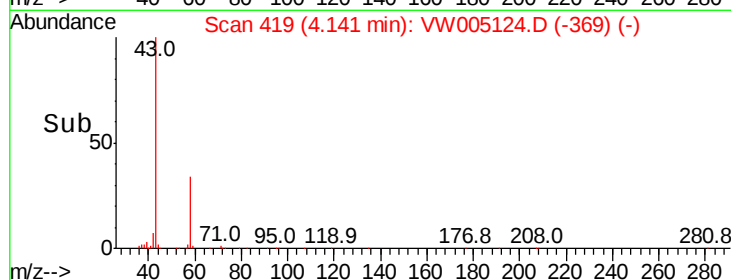
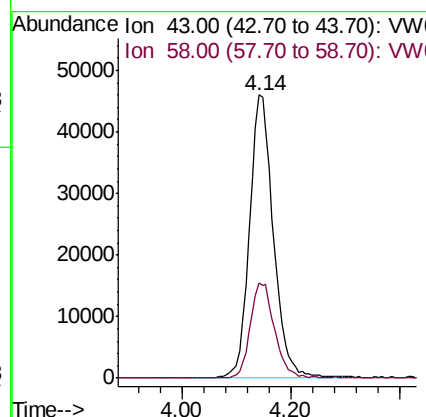
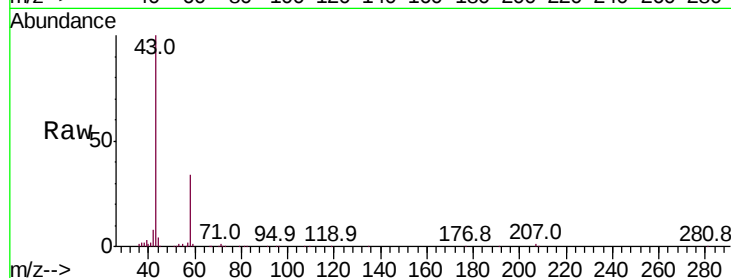
Instrument :  
MSVOA\_W  
ClientSampled :

Tot Ion: 43 Resp: 140480

Ion Ratio Lower Upper

43 100

58 33.6 29.0 43.6



#18

Methyl Acetate

Concen: 1.009 ug/l

RT: 4.68 min Scan# 507

Delta R.T. -0.01 min

Lab File: VW005124.D

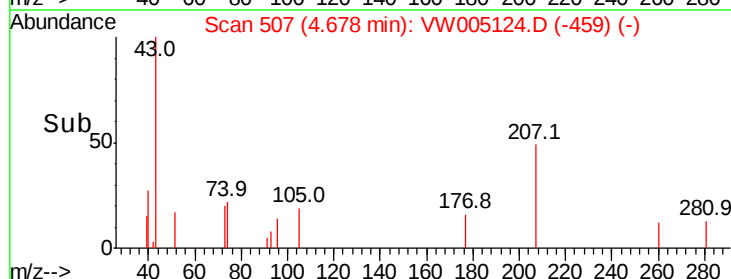
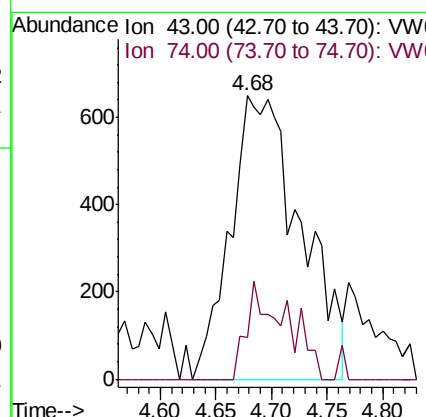
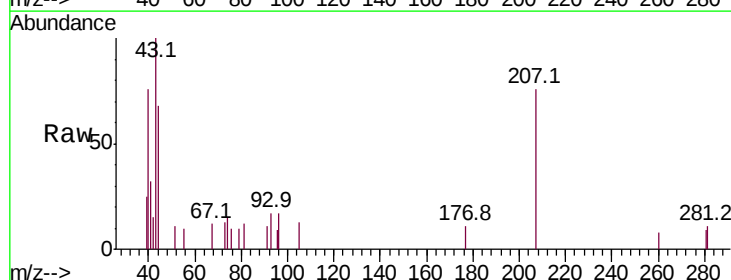
Acq: 05 Sep 2018 11:55

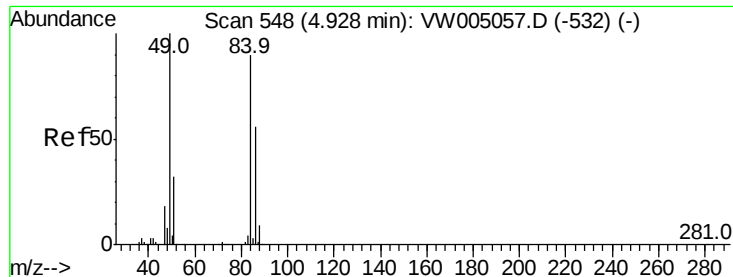
Tgt Ion: 43 Resp: 2852

Ion Ratio Lower Upper

43 100

74 19.4 20.7 31.1#

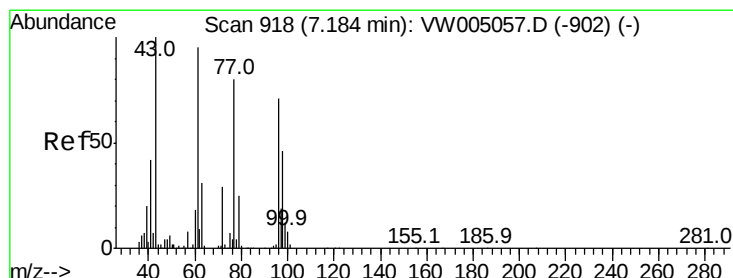
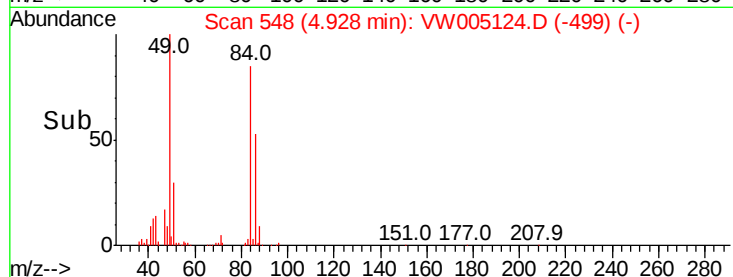
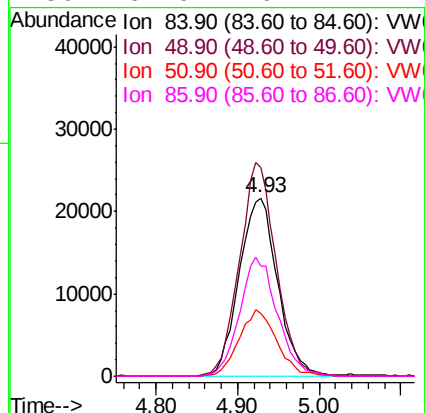
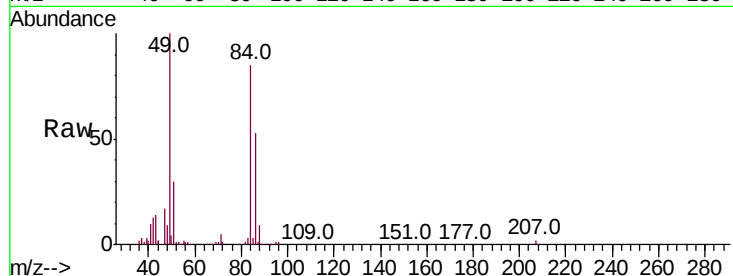




#20  
Methvlene Chloride  
Concen: 7.628 ug/l  
RT: 4.93 min Scan# 548  
Delta R.T. -0.00 min  
Lab File: VW005124.D  
Acq: 05 Sep 2018 11:55

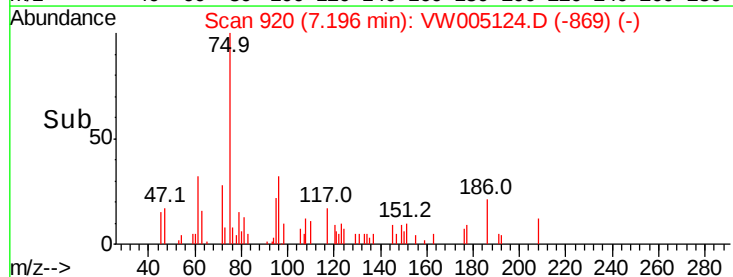
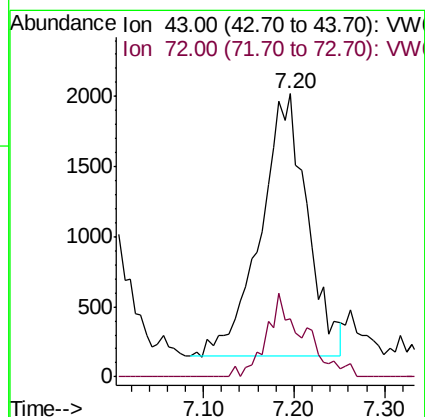
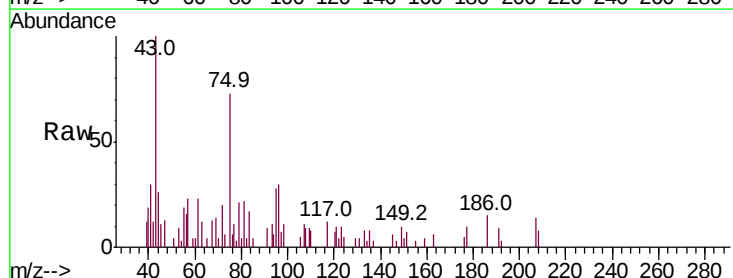
Instrument :  
MSVOA\_W  
ClientSampleId :

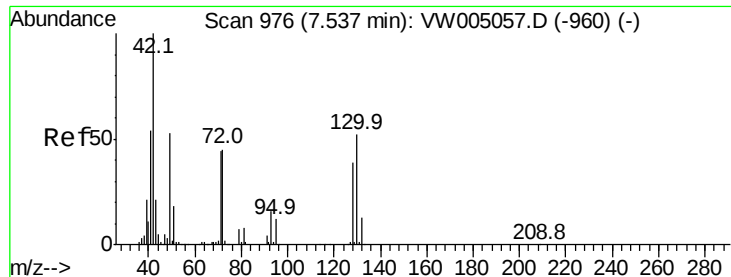
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 70917 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 117.0 | 88.7  | 133.1 |
| 51       | 34.9  | 28.6  | 42.8  |
| 86       | 61.9  | 49.4  | 74.2  |



#25  
2-Butanone  
Concen: 4.002 ug/l  
RT: 7.20 min Scan# 920  
Delta R.T. 0.01 min  
Lab File: VW005124.D  
Acq: 05 Sep 2018 11:55

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 6668  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 22.0  | 23.1  | 34.7# |

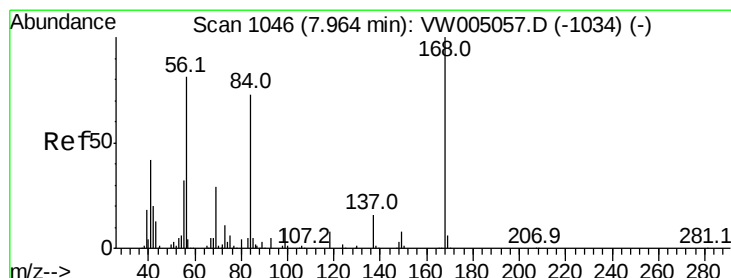
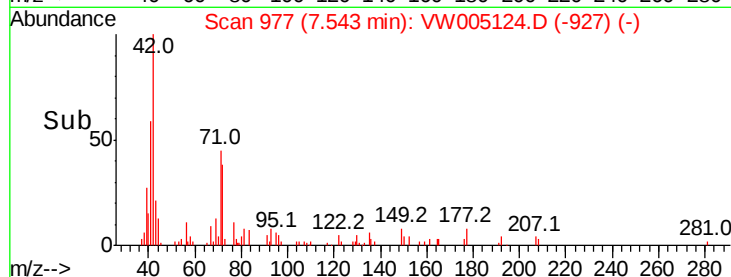
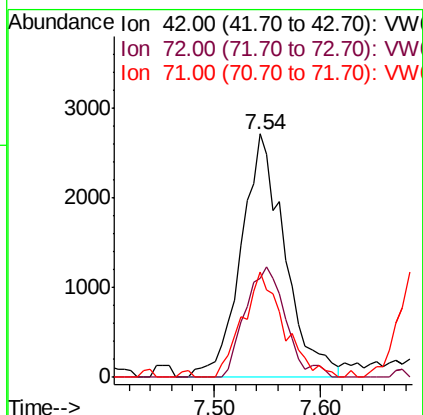
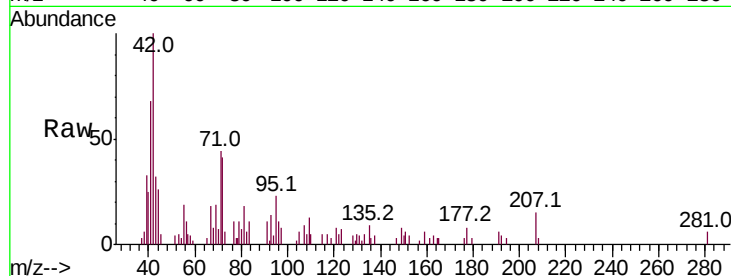




#29  
Tetrahydrofuran  
Concen: 9.167 ug/l  
RT: 7.54 min Scan# 977  
Delta R.T. 0.01 min  
Lab File: VW005124.D  
Acq: 05 Sep 2018 11:55

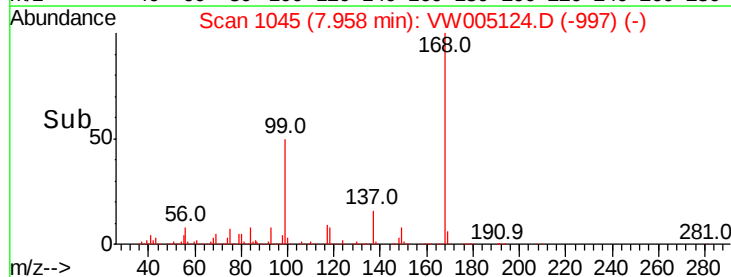
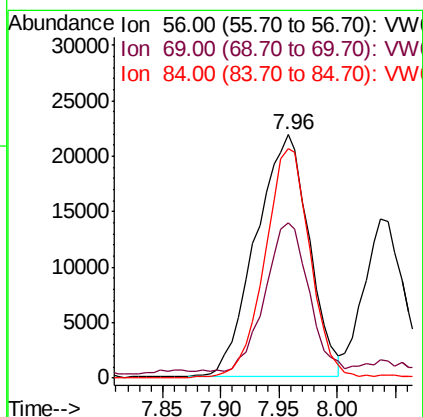
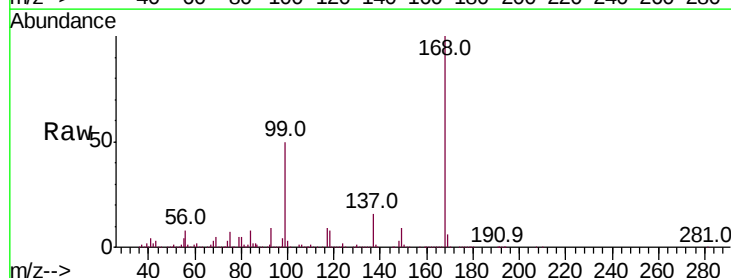
Instrument :  
MSVOA\_W  
ClientSampled :

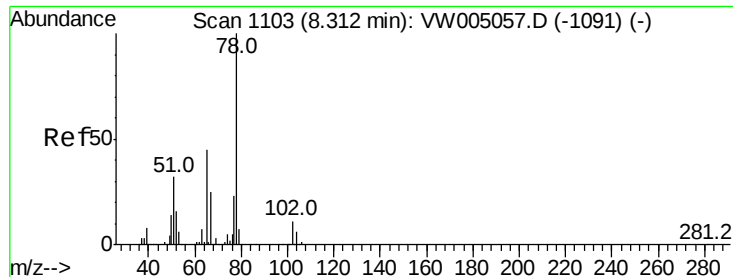
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 42.3  | 37.0  | 55.4  |
| 71      | 40.9  | 35.0  | 52.6  |



#31  
Cyclohexane  
Concen: 7.376 ug/l  
RT: 7.96 min Scan# 1045  
Delta R.T. -0.01 min  
Lab File: VW005124.D  
Acq: 05 Sep 2018 11:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 61.2  | 28.2  | 42.2# |
| 84      | 94.3  | 71.8  | 107.8 |

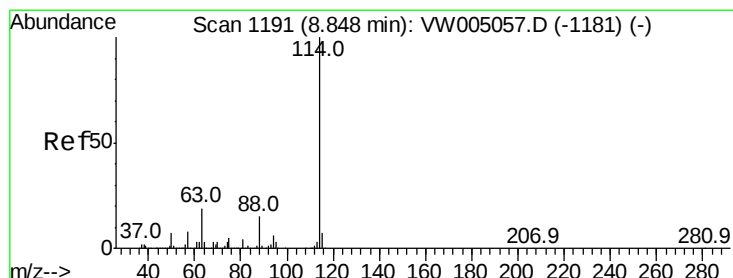
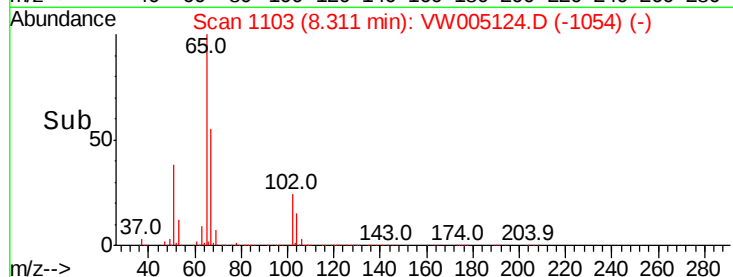
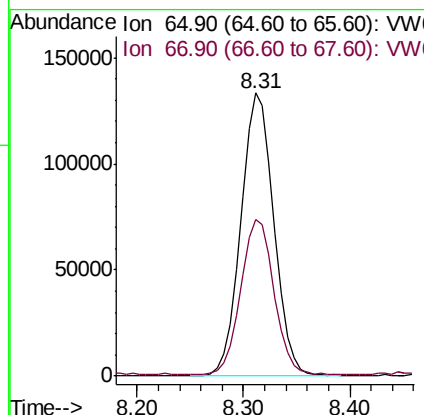
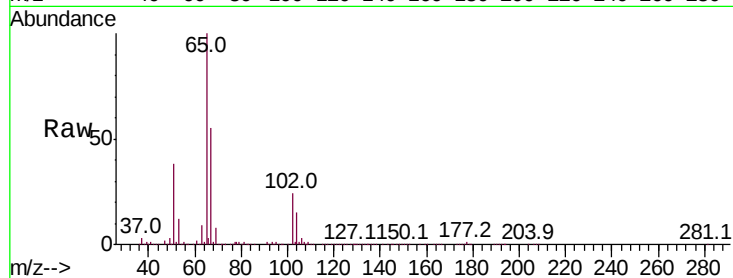




#33  
 1,2-Dichloroethane-d4  
 Concen: 60.259 ug/l  
 RT: 8.31 min Scan# 1103  
 Delta R.T. -0.00 min  
 Lab File: VW005124.D  
 Acq: 05 Sep 2018 11:55

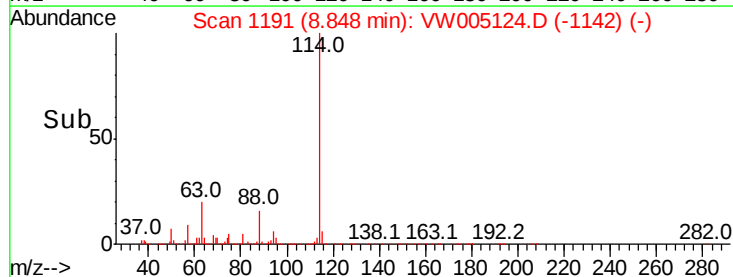
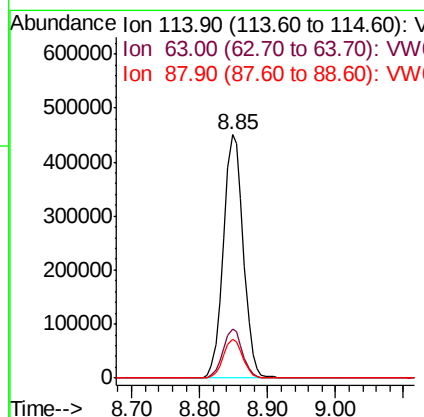
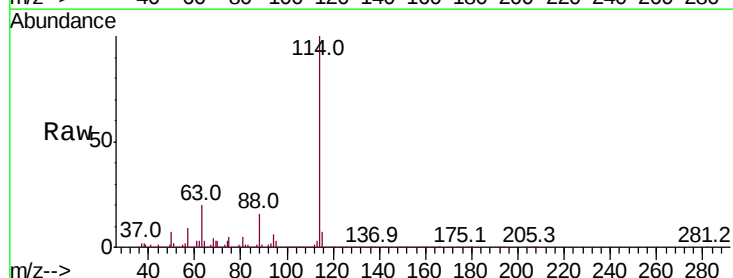
Instrument :  
 MSVOA\_W  
 ClientSampled :

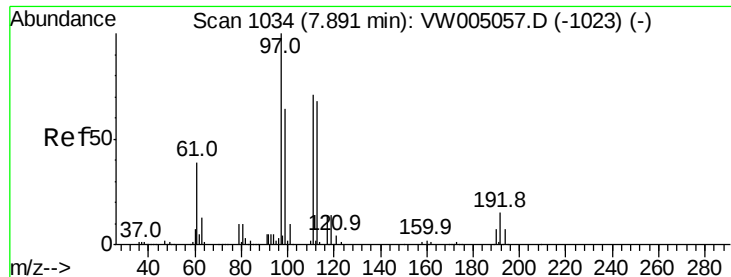
Tot Ion: 65 Resp: 288661  
 Ion Ratio Lower Upper  
 65 100  
 67 55.2 0.0 109.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.85 min Scan# 1191  
 Delta R.T. -0.00 min  
 Lab File: VW005124.D  
 Acq: 05 Sep 2018 11:55

Tgt Ion: 114 Resp: 909909  
 Ion Ratio Lower Upper  
 114 100  
 63 20.1 0.0 38.0  
 88 15.8 0.0 30.2

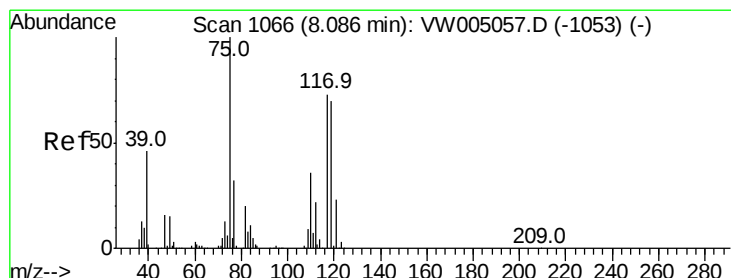
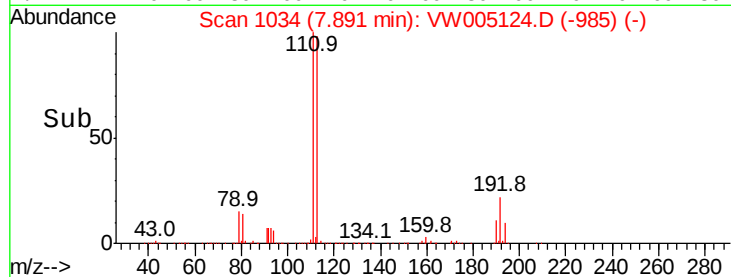
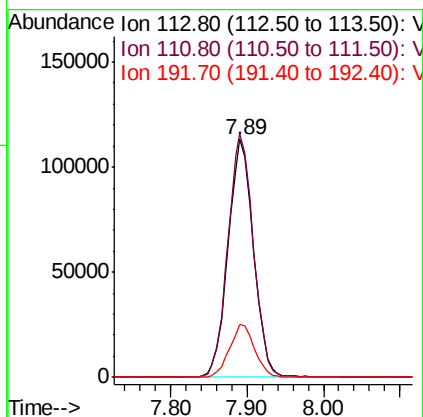
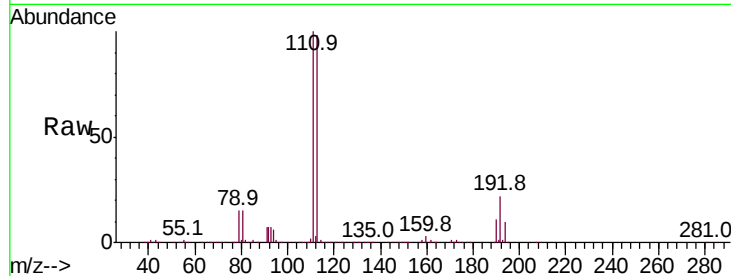




#35  
 Dibromofluoromethane  
 Concen: 49.262 ug/l  
 RT: 7.89 min Scan# 1034  
 Delta R.T. -0.00 min  
 Lab File: VW005124.D  
 Acq: 05 Sep 2018 11:55

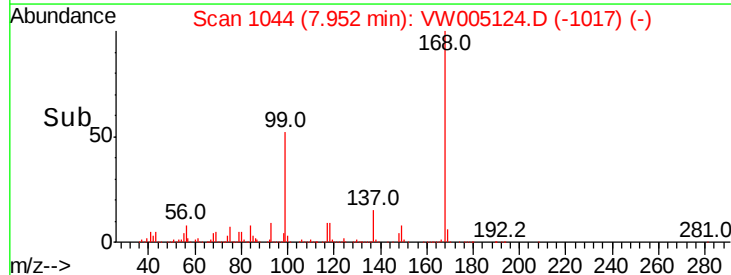
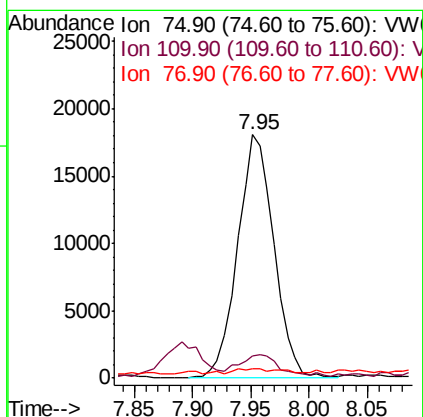
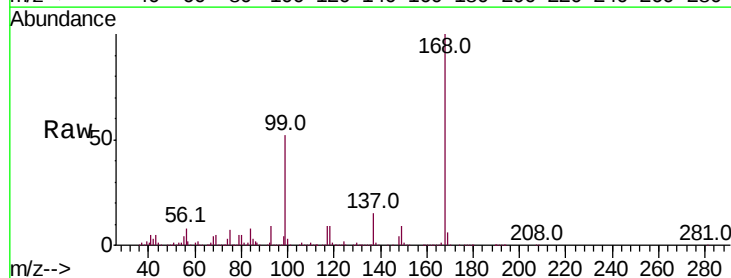
Instrument :  
 MSVOA\_W  
 ClientSampled :

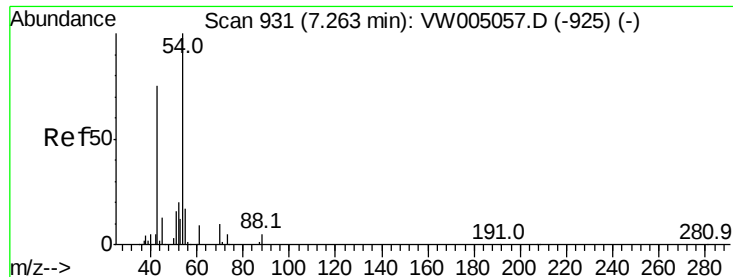
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.7 | 82.2  | 123.2 |
| 192     | 21.8  | 18.1  | 27.1  |



#36  
 1,1-Dichloropropene  
 Concen: 4.546 ug/l  
 RT: 7.95 min Scan# 1044  
 Delta R.T. -0.13 min  
 Lab File: VW005124.D  
 Acq: 05 Sep 2018 11:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 9.1   | 18.9  | 56.7# |
| 77      | 3.2   | 25.5  | 38.3# |





#37

Ethyl Acetate

Concen: 2.057 ug/l

RT: 7.20 min Scan# 920

Delta R.T. -0.07 min

Lab File: VW005124.D

Acq: 05 Sep 2018 11:55

Instrument :  
MSVOA\_W  
ClientSampled :

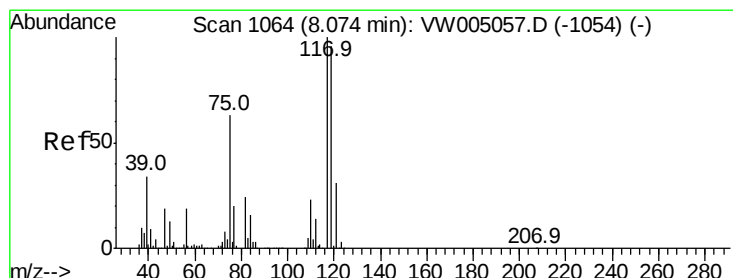
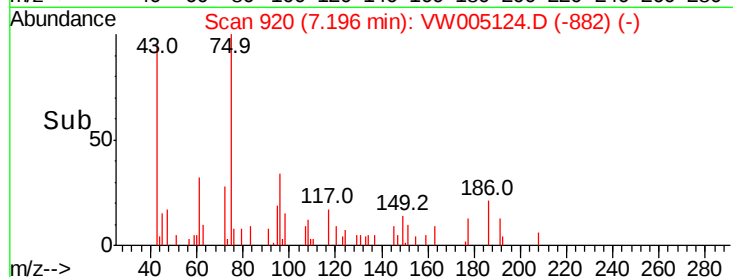
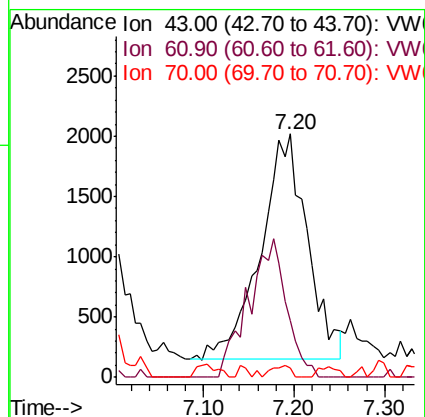
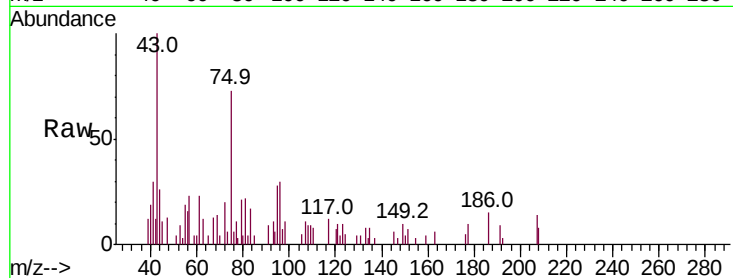
Tot Ion: 43 Resp: 6668

Ion Ratio Lower Upper

43 100

61 50.1 12.1 18.1#

70 2.1 9.4 14.2#



#38

Carbon Tetrachloride

Concen: 6.226 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.12 min

Lab File: VW005124.D

Acq: 05 Sep 2018 11:55

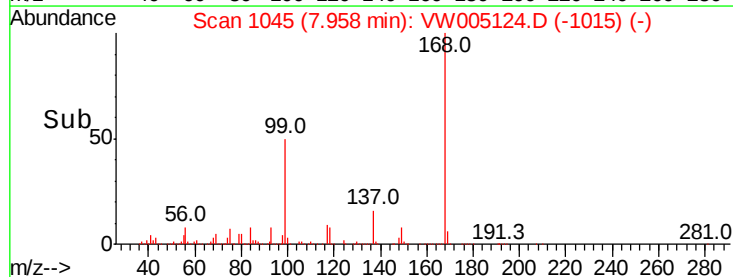
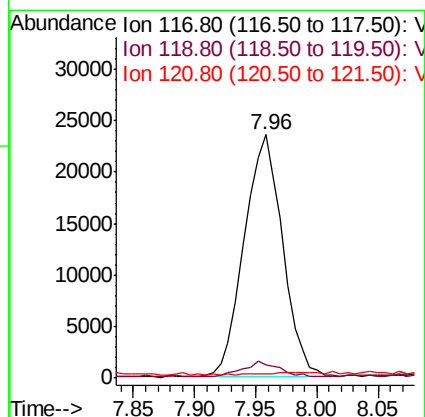
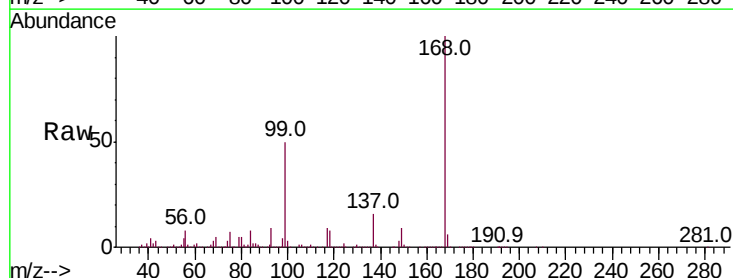
Tgt Ion: 117 Resp: 51300

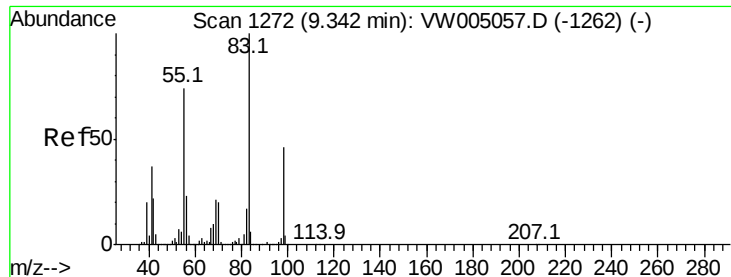
Ion Ratio Lower Upper

117 100

119 4.7 76.6 115.0#

121 0.3 24.8 37.2#

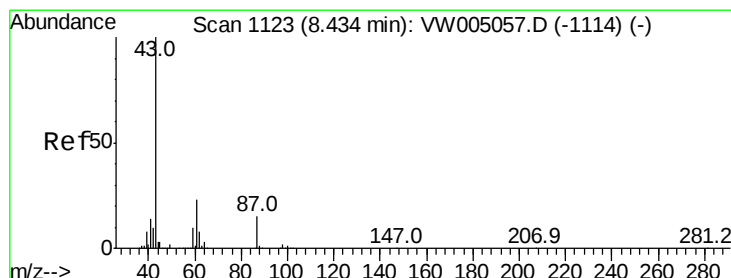
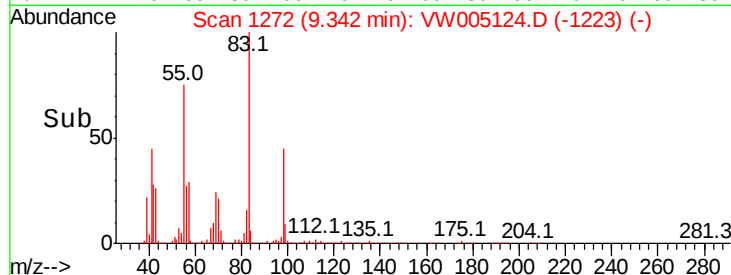
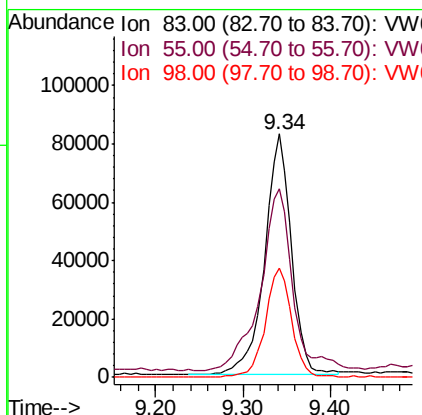
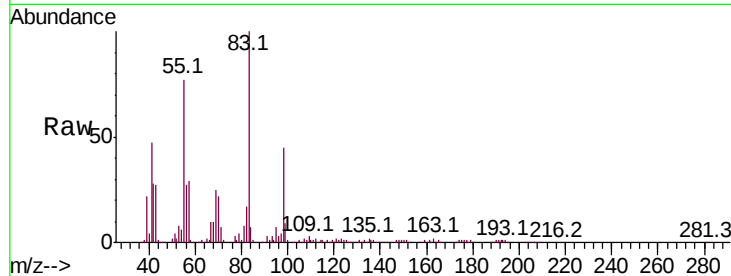




#39  
Methylcyclohexane  
Concen: 16.893 ug/l  
RT: 9.34 min Scan# 1272  
Delta R.T. -0.00 min  
Lab File: VW005124.D  
Acq: 05 Sep 2018 11:55

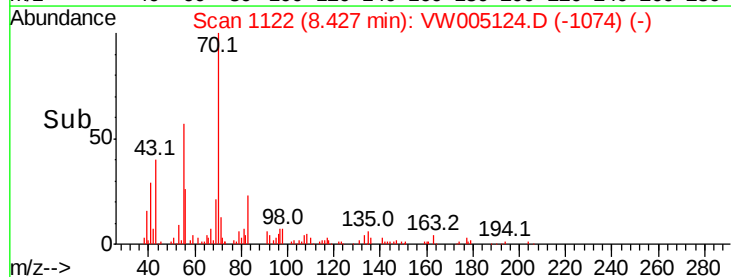
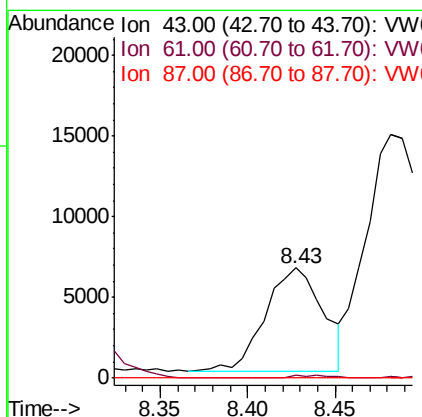
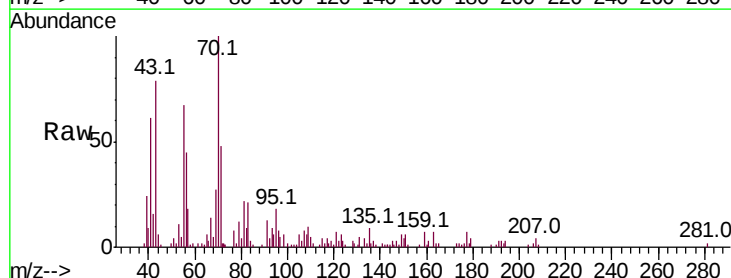
Instrument :  
MSVOA\_W  
ClientSampleId :

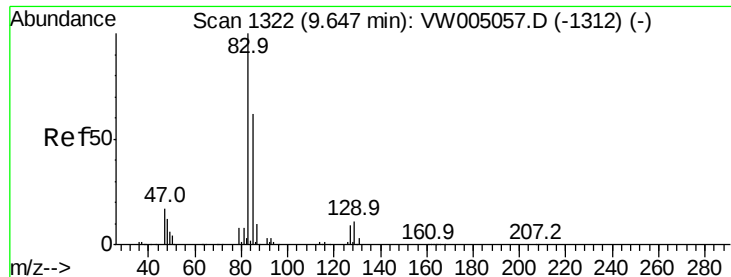
Tot Ion: 83 Resp: 177040  
Ion Ratio Lower Upper  
83 100  
55 74.8 58.9 88.3  
98 45.3 36.8 55.2



#43  
Isopropyl Acetate  
Concen: 2.495 ug/l  
RT: 8.43 min Scan# 1122  
Delta R.T. -0.01 min  
Lab File: VW005124.D  
Acq: 05 Sep 2018 11:55

Tgt Ion: 43 Resp: 14713  
Ion Ratio Lower Upper  
43 100  
61 2.4 26.8 40.2#  
87 0.3 11.6 17.4#





#47

Bromodichloromethane

Concen: 1.174 ug/l

RT: 9.63 min Scan# 1319

Delta R.T. -0.02 min

Lab File: VW005124.D

Acq: 05 Sep 2018 11:55

Instrument :  
MSVOA\_W  
ClientSampled :

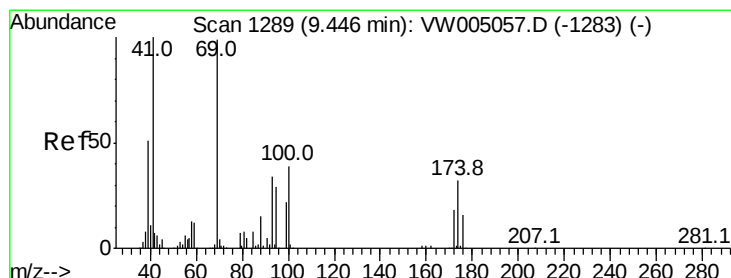
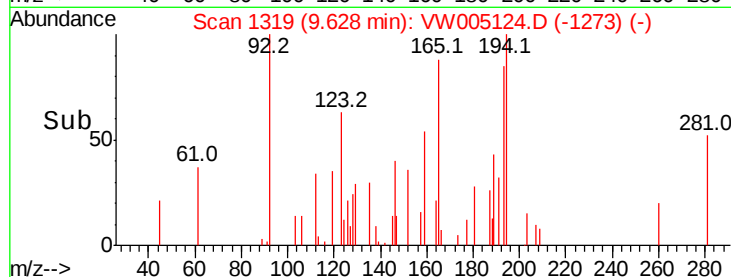
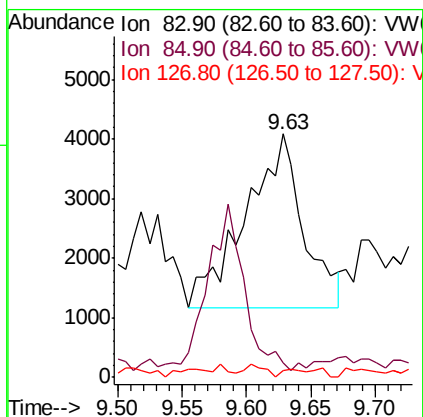
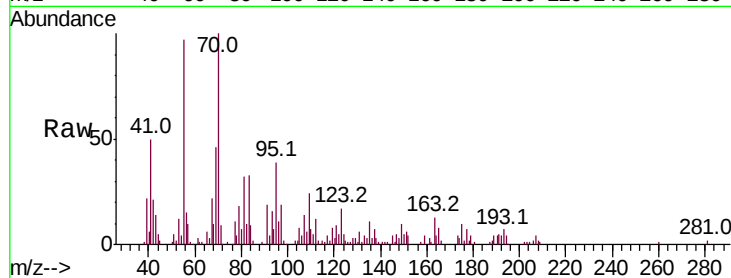
Tot Ion: 83 Resp: 9164

Ion Ratio Lower Upper

83 100

85 0.0 49.8 74.6#

127 4.2 7.0 10.4#



#48

Methyl methacrylate

Concen: 2.206 ug/l

RT: 9.47 min Scan# 1293

Delta R.T. 0.02 min

Lab File: VW005124.D

Acq: 05 Sep 2018 11:55

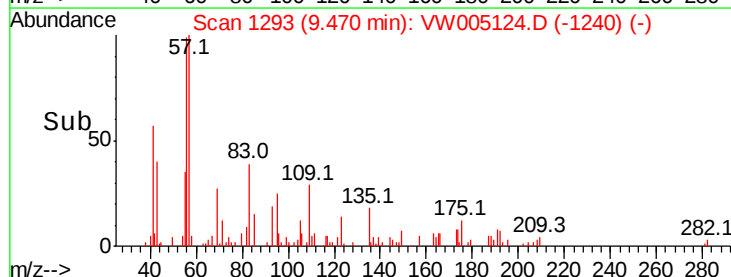
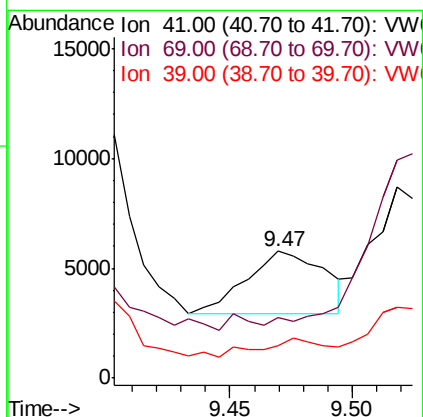
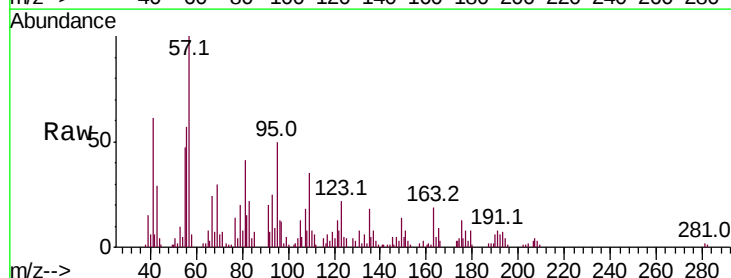
Tgt Ion: 41 Resp: 6264

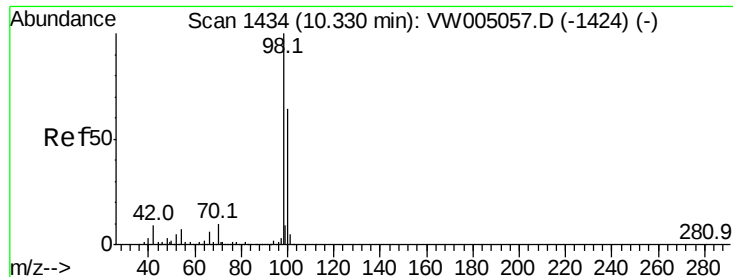
Ion Ratio Lower Upper

41 100

69 0.0 80.4 120.6#

39 24.8 43.5 65.3#





#50

Toluene-d8

Concen: 47.718 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW005124.D

Acq: 05 Sep 2018 11:55

Instrument :

MSVOA\_W

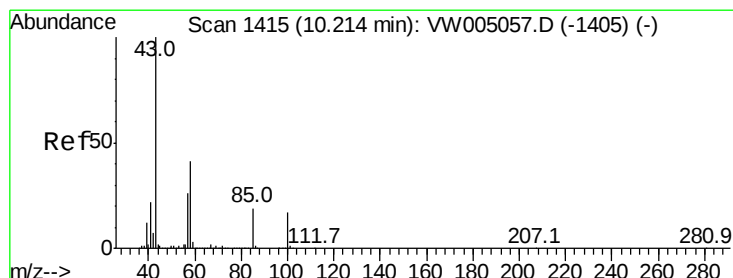
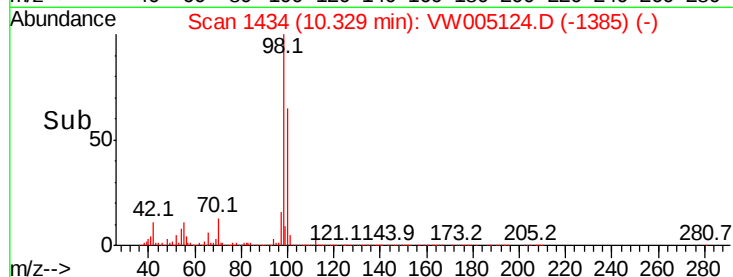
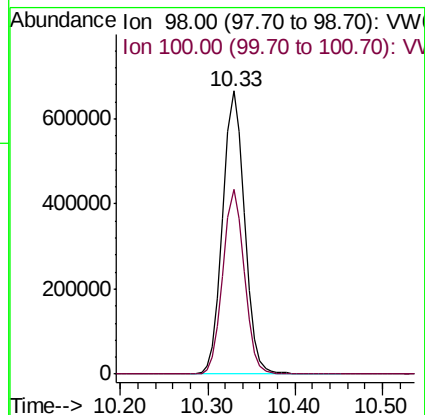
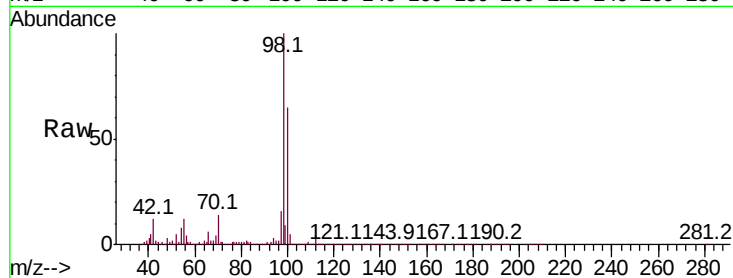
ClientSampleId :

Tot Ion: 98 Resp: 1156147

Ion Ratio Lower Upper

98 100

100 64.1 51.7 77.5



#51

4-Methyl-2-Pentanone

Concen: 5.494 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.12 min

Lab File: VW005124.D

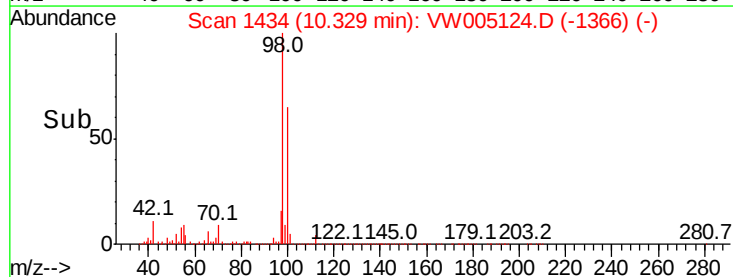
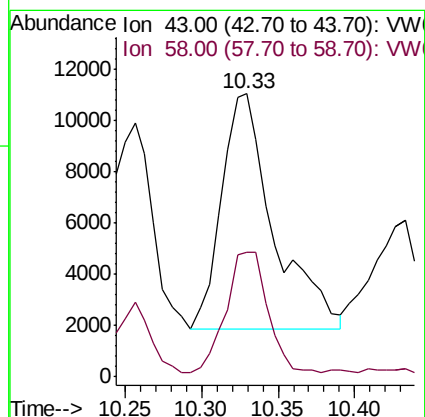
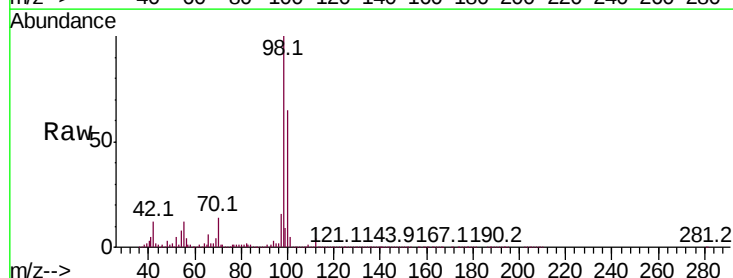
Acq: 05 Sep 2018 11:55

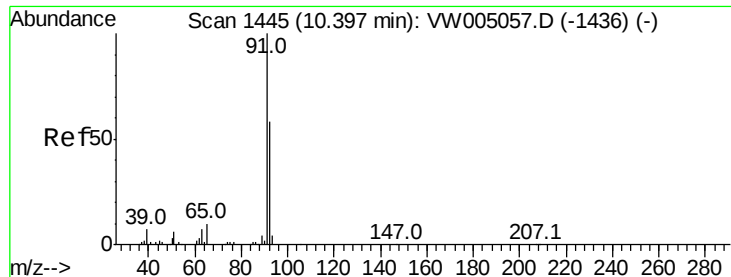
Tgt Ion: 43 Resp: 21714

Ion Ratio Lower Upper

43 100

58 41.1 33.3 49.9





#52

Toluene

Concen: 1.266 ug/l

RT: 10.40 min Scan# 1445

Delta R.T. -0.00 min

Lab File: VW005124.D

Acq: 05 Sep 2018 11:55

Instrument :

MSVOA\_W

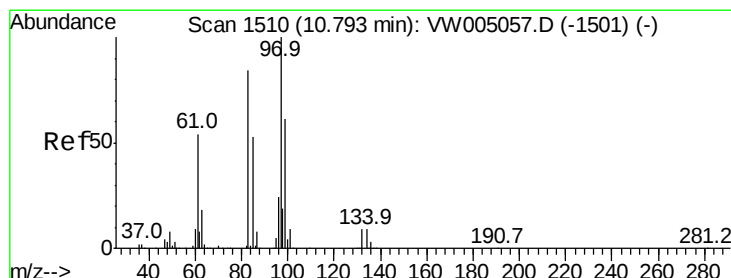
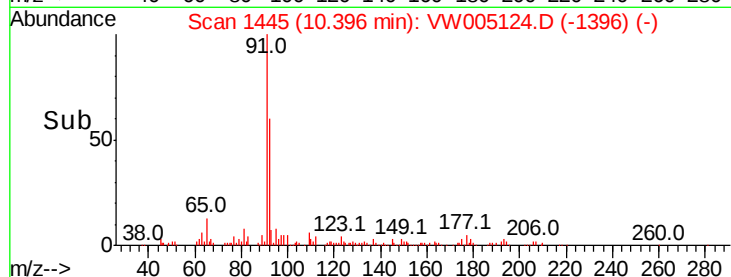
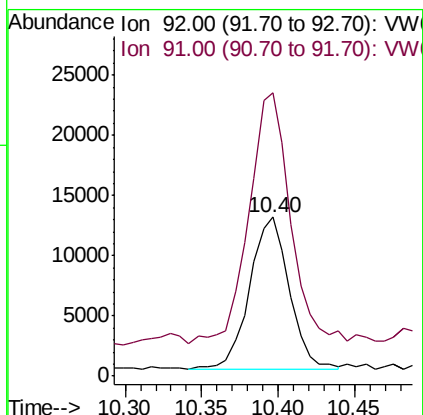
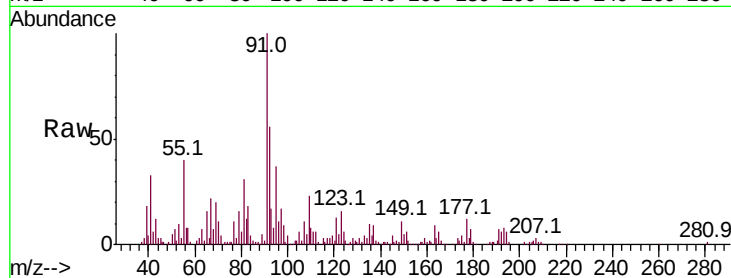
ClientSampled :

Tot Ion: 92 Resp: 22766

Ion Ratio Lower Upper

92 100

91 178.1 139.2 208.8



#55

1,1,2-Trichloroethane

Concen: 17.839 ug/l

RT: 10.77 min Scan# 1506

Delta R.T. -0.02 min

Lab File: VW005124.D

Acq: 05 Sep 2018 11:55

Tgt Ion: 97 Resp: 85595

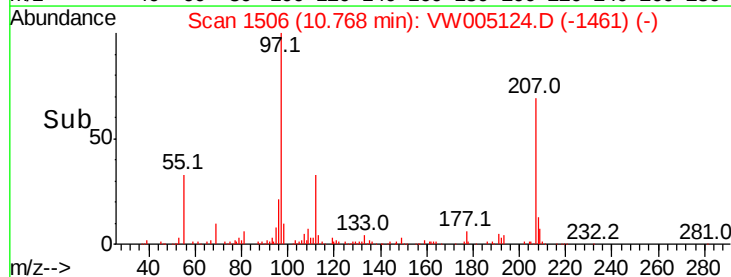
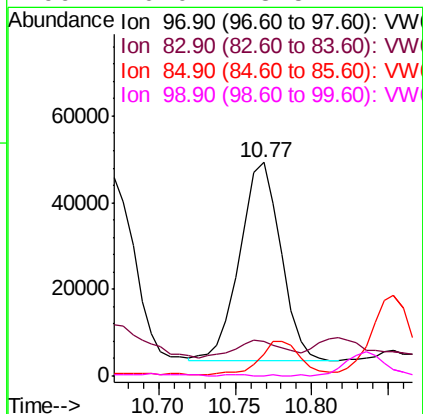
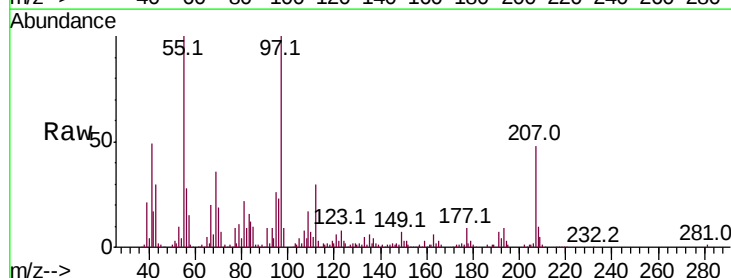
Ion Ratio Lower Upper

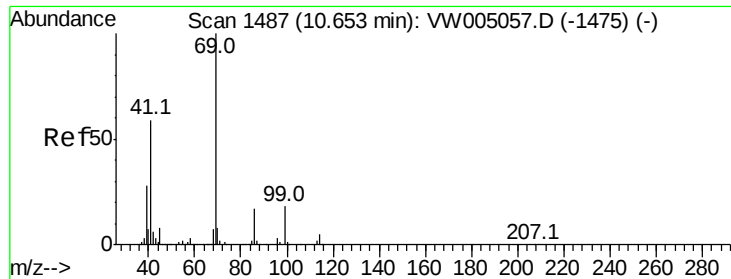
97 100

83 7.1 67.0 100.6#

85 10.4 42.3 63.5#

99 0.0 48.5 72.7#





#56

Ethyl methacrylate

Concen: 4.915 ug/l

RT: 10.68 min Scan# 1491

Delta R.T. 0.02 min

Lab File: VW005124.D

Acq: 05 Sep 2018 11:55

Instrument :

MSVOA\_W

ClientSampled :

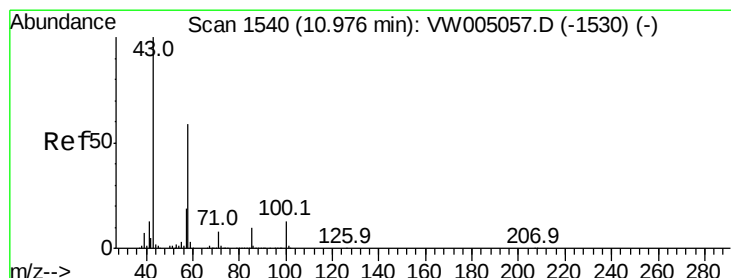
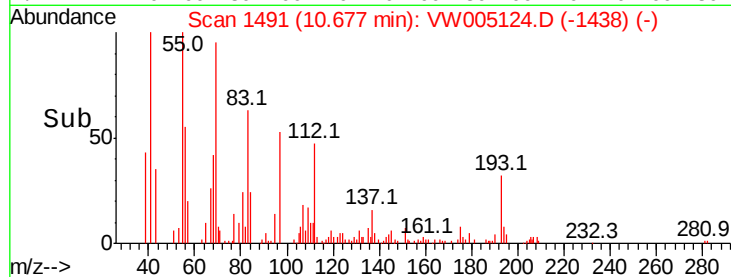
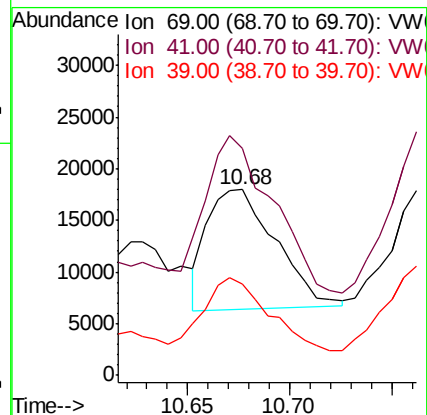
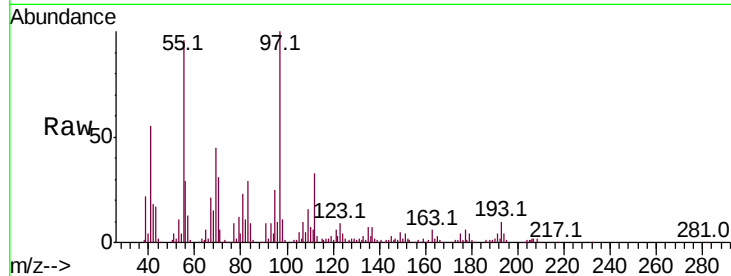
Tot Ion: 69 Resp: 26907

Ion Ratio Lower Upper

69 100

41 141.4 47.8 71.6#

39 57.4 21.1 31.7#



#59

2-Hexanone

Concen: 93.651 ug/l

RT: 10.84 min Scan# 1517

Delta R.T. -0.14 min

Lab File: VW005124.D

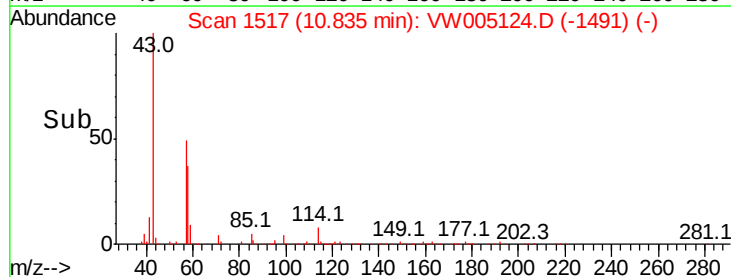
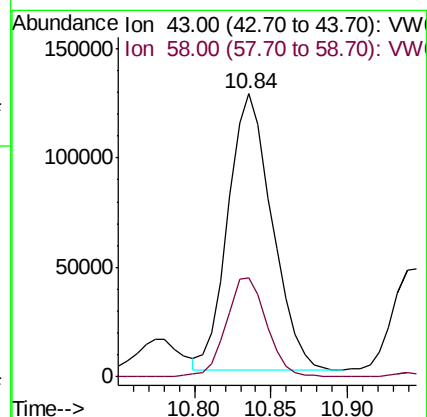
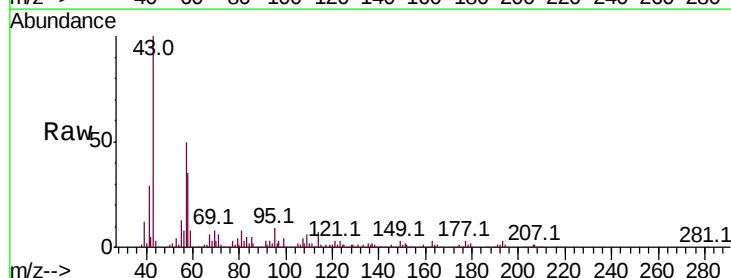
Acq: 05 Sep 2018 11:55

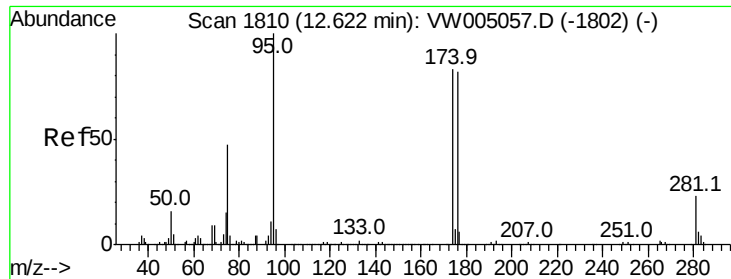
Tgt Ion: 43 Resp: 250353

Ion Ratio Lower Upper

43 100

58 33.0 28.7 86.3

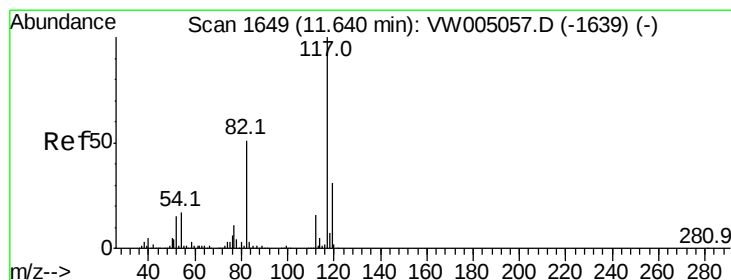
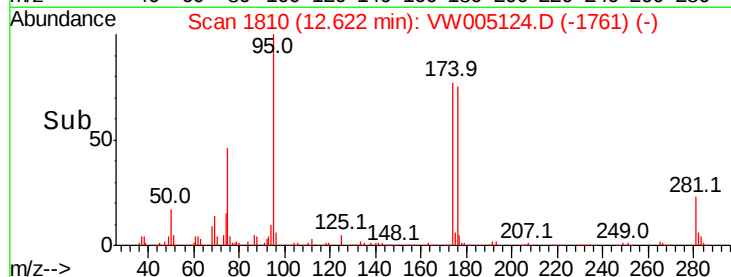
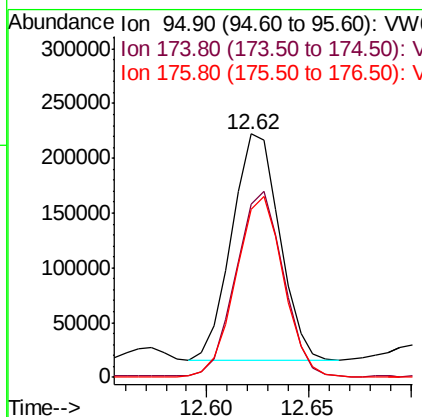
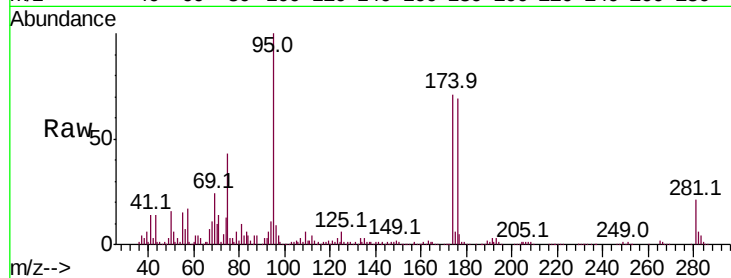




#62  
4-Bromofluorobenzene  
Concen: 39.474 ug/l  
RT: 12.62 min Scan# 1810  
Delta R.T. -0.00 min  
Lab File: VW005124.D  
Acq: 05 Sep 2018 11:55

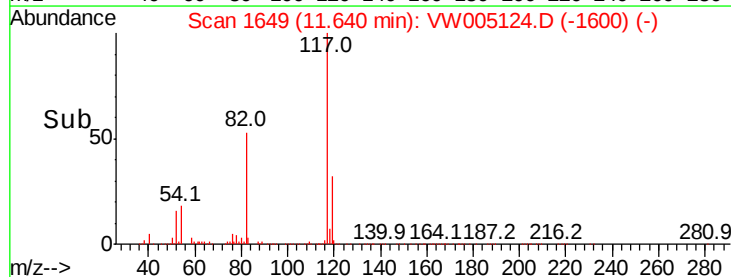
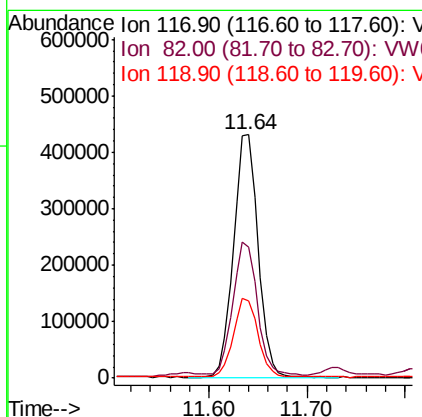
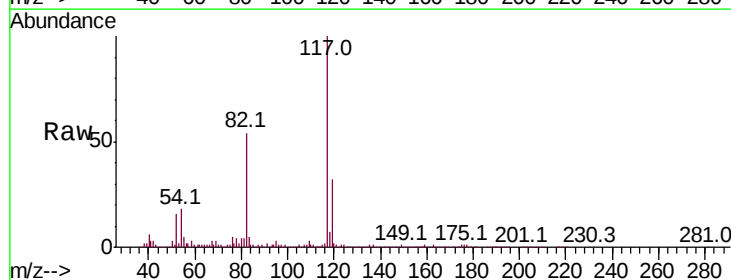
Instrument :  
MSVOA\_W  
ClientSampleId :

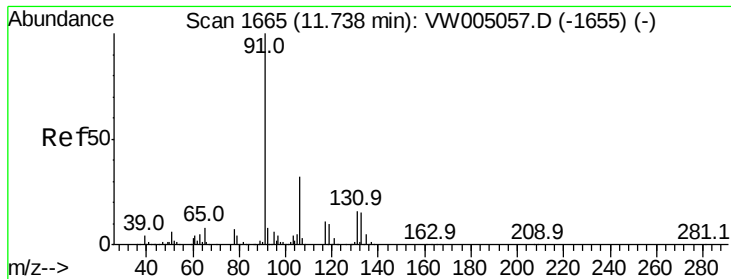
Tot Ion: 95 Resp: 337240  
Ion Ratio Lower Upper  
95 100  
174 80.8 0.0 173.4  
176 79.3 0.0 167.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.64 min Scan# 1649  
Delta R.T. -0.00 min  
Lab File: VW005124.D  
Acq: 05 Sep 2018 11:55

Tgt Ion: 117 Resp: 745626  
Ion Ratio Lower Upper  
117 100  
82 52.0 40.9 61.3  
119 31.5 24.9 37.3





#67

Ethyl Benzene

Concen: 1.209 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW005124.D

Acq: 05 Sep 2018 11:55

Instrument :

MSVOA\_W

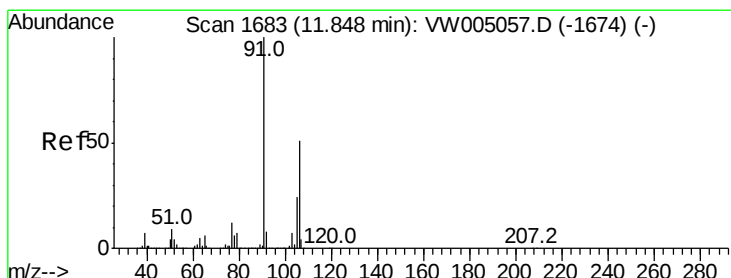
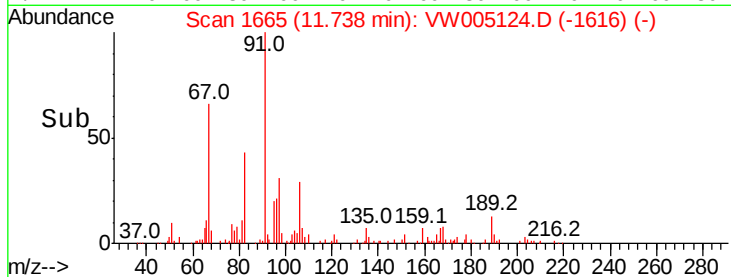
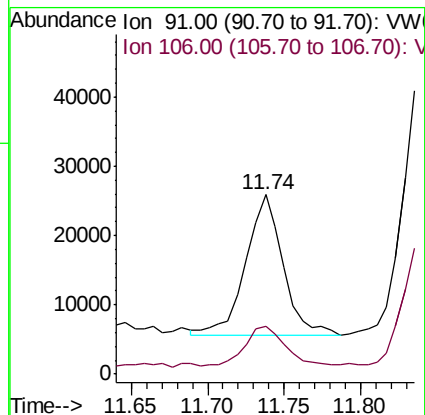
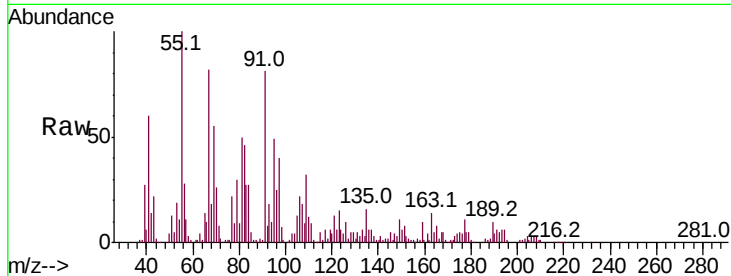
ClientSampleId :

Tot Ion: 91 Resp: 34305

Ion Ratio Lower Upper

91 100

106 27.3 25.3 37.9



#68

m/p-Xylenes

Concen: 3.261 ug/l

RT: 11.84 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VW005124.D

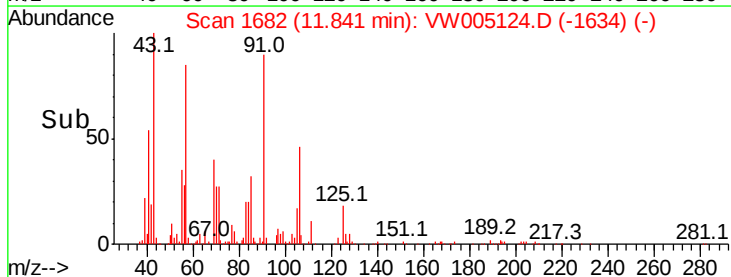
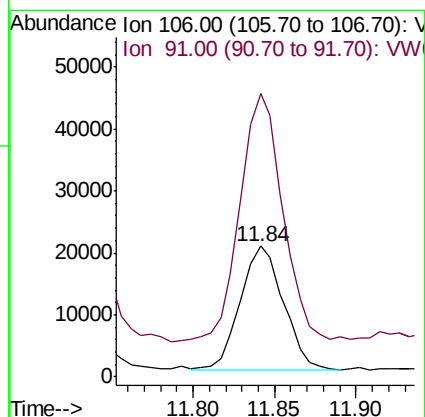
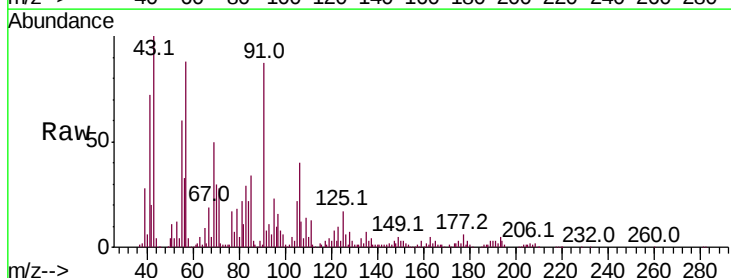
Acq: 05 Sep 2018 11:55

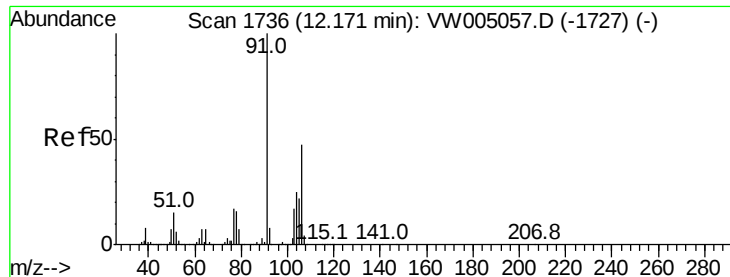
Tgt Ion: 106 Resp: 37049

Ion Ratio Lower Upper

106 100

91 200.4 158.4 237.6

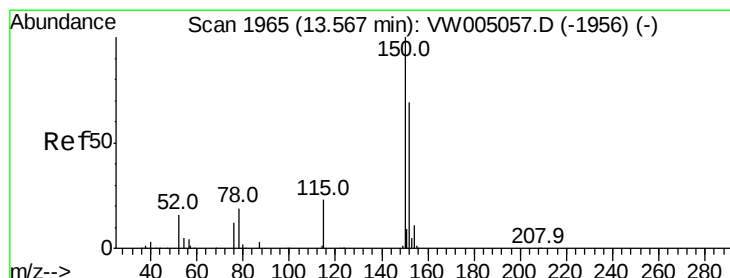
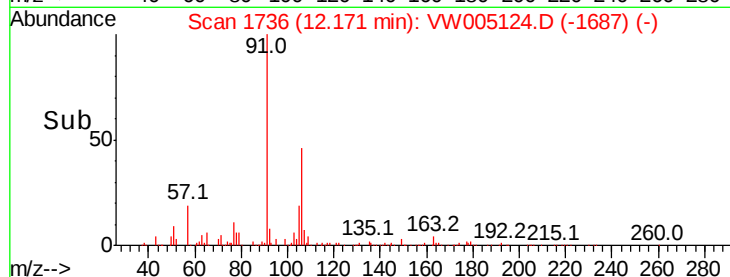
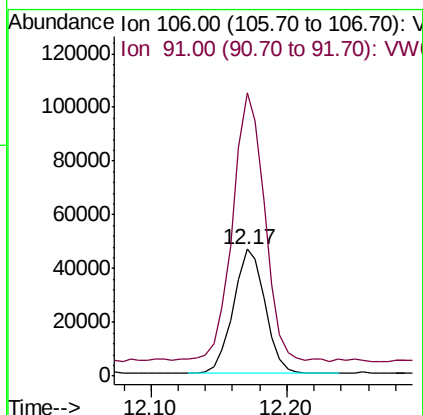
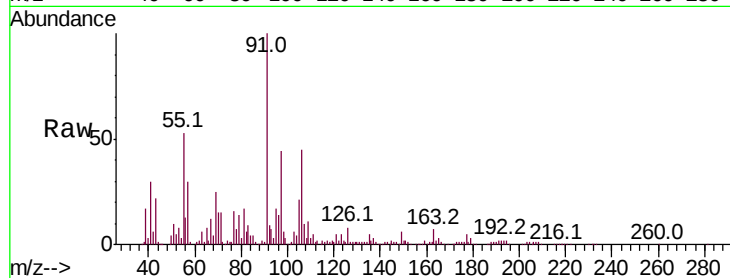




#69  
o-Xylene  
Concen: 7.117 ug/l  
RT: 12.17 min Scan# 1736  
Delta R.T. -0.00 min  
Lab File: VW005124.D  
Acq: 05 Sep 2018 11:55

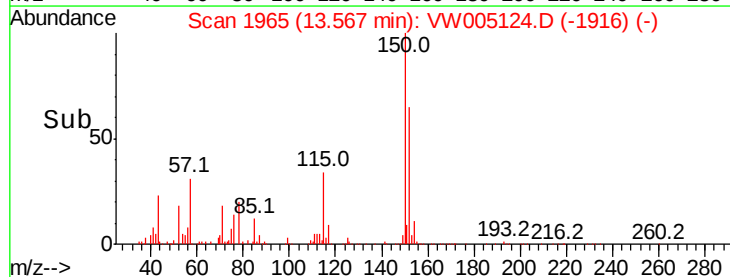
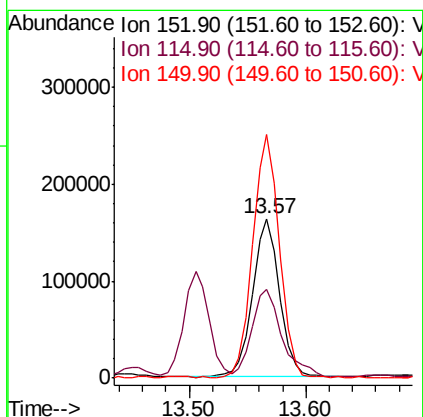
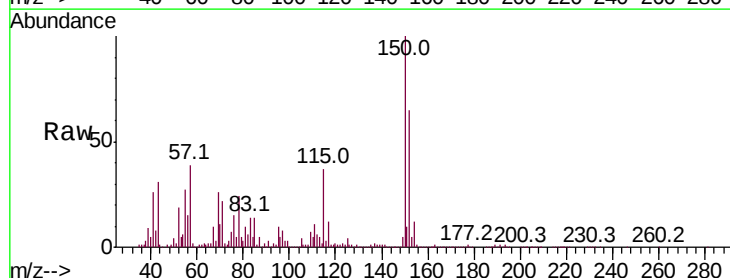
Instrument :  
MSVOA\_W  
ClientSampled :

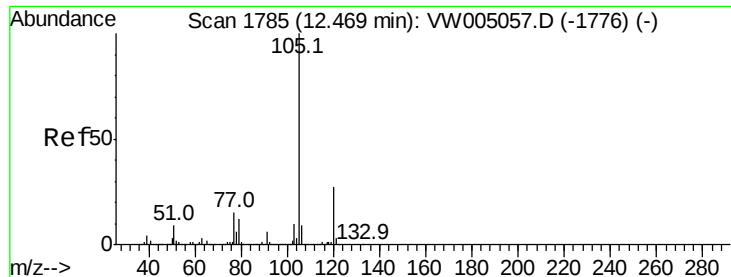
Tot Ion:106 Resp: 74768  
Ion Ratio Lower Upper  
106 100  
91 221.7 105.6 316.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.57 min Scan# 1965  
Delta R.T. -0.00 min  
Lab File: VW005124.D  
Acq: 05 Sep 2018 11:55

Tgt Ion:152 Resp: 264133  
Ion Ratio Lower Upper  
152 100  
115 61.6 27.8 83.4  
150 149.7 0.0 351.4





#73

Isopropylbenzene

Concen: 3.936 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW005124.D

Acq: 05 Sep 2018 11:55

Instrument :

MSVOA\_W

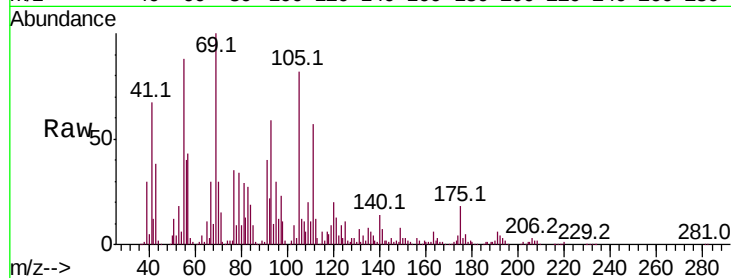
ClientSampleId :

Tot Ion:105 Resp: 73310

Ion Ratio Lower Upper

105 100

120 19.9 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

40000

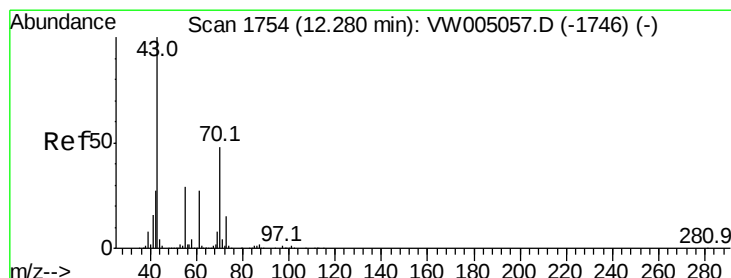
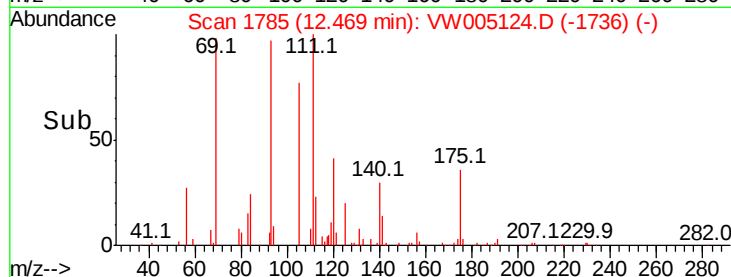
30000

20000

10000

0

Time-->



#74

N-ethyl acetate

Concen: 44.016 ug/l

RT: 12.26 min Scan# 1750

Delta R.T. -0.02 min

Lab File: VW005124.D

Acq: 05 Sep 2018 11:55

Tgt Ion: 43 Resp: 141153

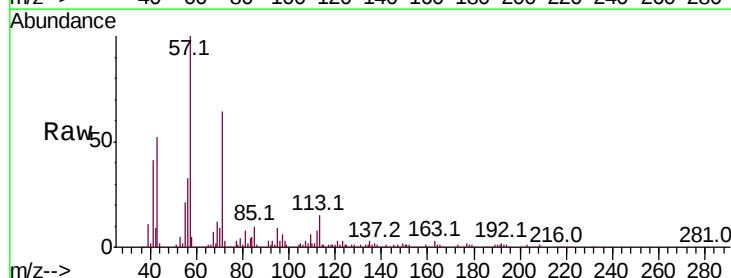
Ion Ratio Lower Upper

43 100

70 23.4 38.2 57.4#

55 0.0 23.2 34.8#

61 0.0 20.6 31.0#



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

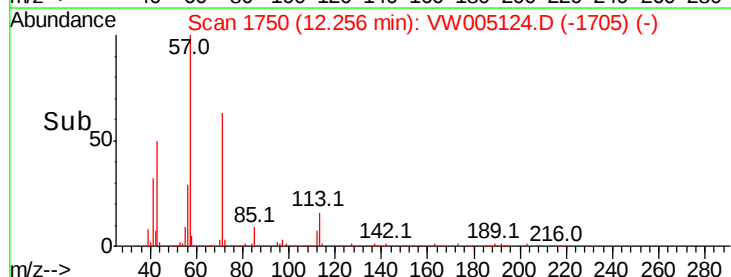
Ion 61.00 (60.70 to 61.70): VV

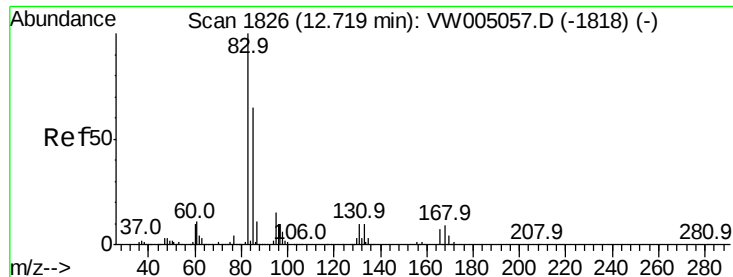
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 23.903 ug/l

RT: 12.69 min Scan# 1822

Delta R.T. -0.02 min

Lab File: VW005124.D

Acq: 05 Sep 2018 11:55

Instrument :

MSVOA\_W

ClientSampled :

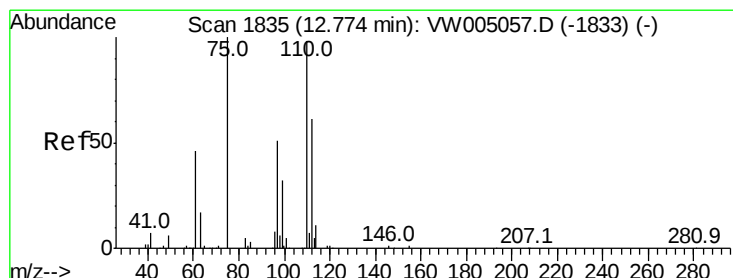
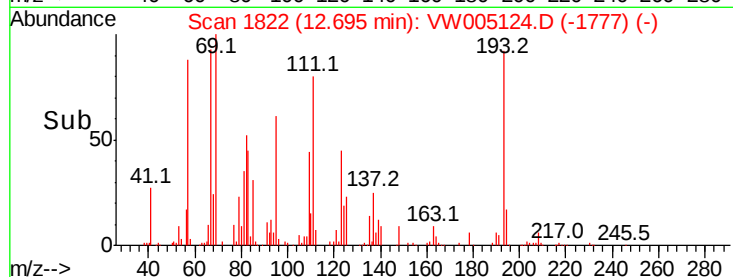
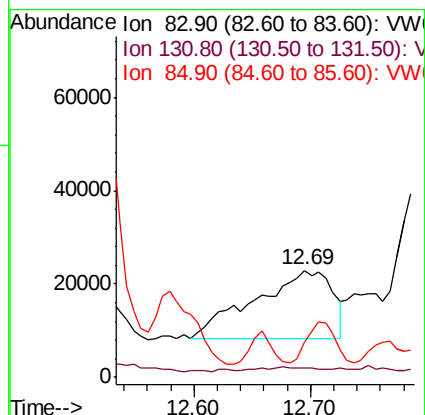
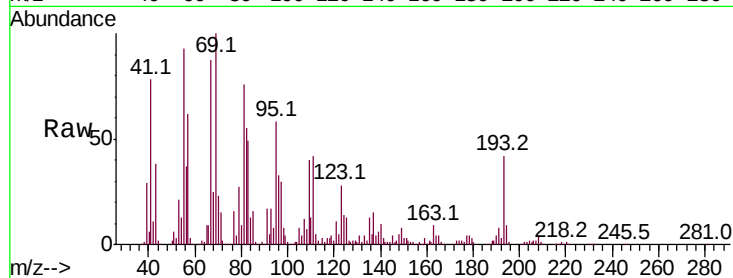
Tot Ion: 83 Resp: 67770

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.4#

85 21.5 32.5 97.4#



#76

1,2,3-Trichloropropane

Concen: 77.898 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW005124.D

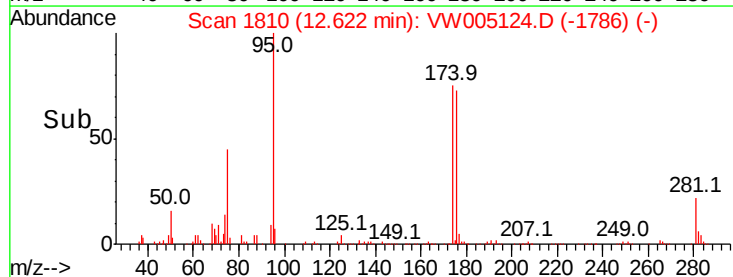
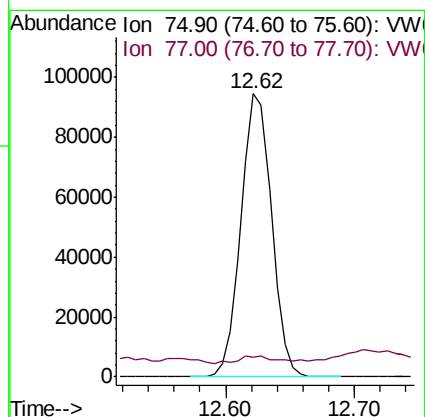
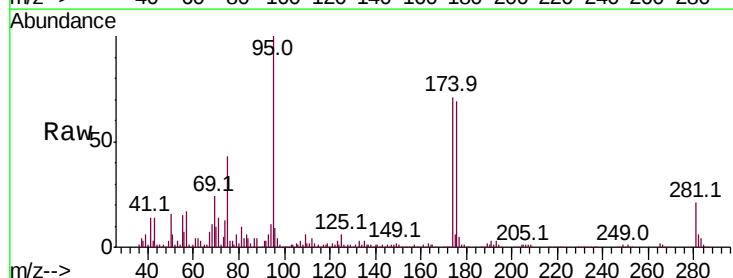
Acq: 05 Sep 2018 11:55

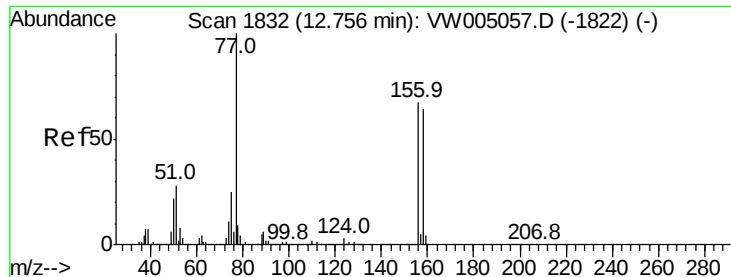
Tgt Ion: 75 Resp: 154444

Ion Ratio Lower Upper

75 100

77 3.6 0.0 0.0#





#77

Bromobenzene

Concen: 7.845 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.19 min

Lab File: VW005124.D

Acq: 05 Sep 2018 11:55

Instrument :

MSVOA\_W

ClientSampleId :

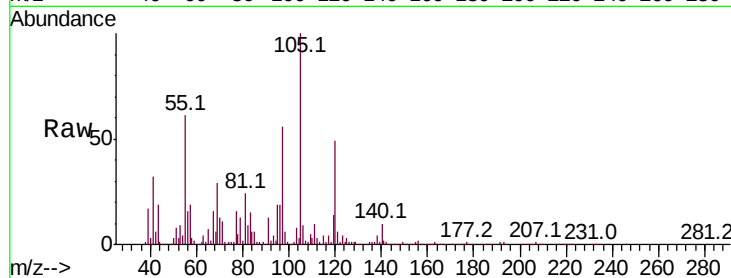
Tot Ion:156 Resp: 36000

Ion Ratio Lower Upper

156 100

77 302.0 85.8 257.4#

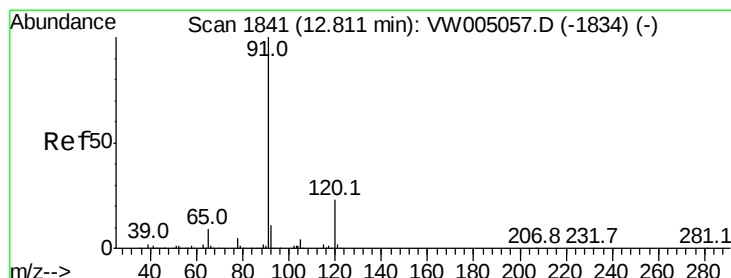
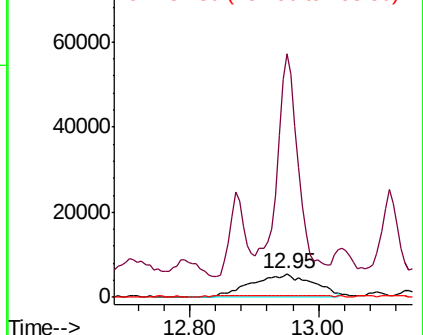
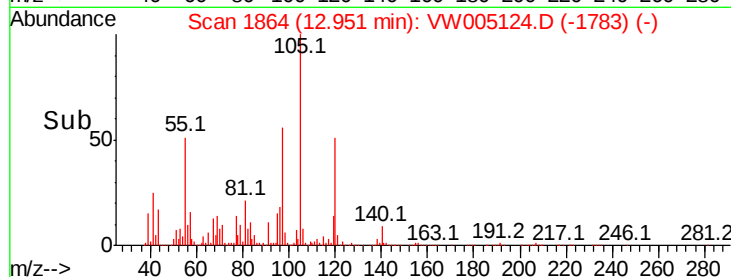
158 0.0 48.1 144.4#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.636 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VW005124.D

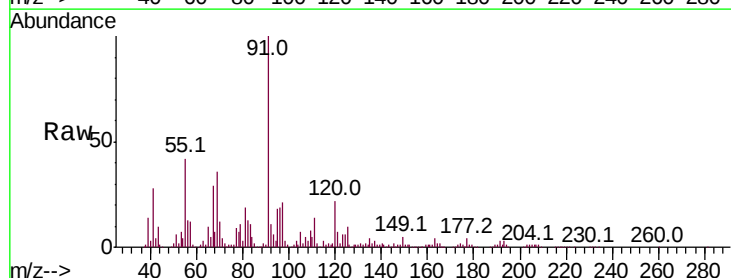
Acq: 05 Sep 2018 11:55

Tgt Ion: 91 Resp: 126722

Ion Ratio Lower Upper

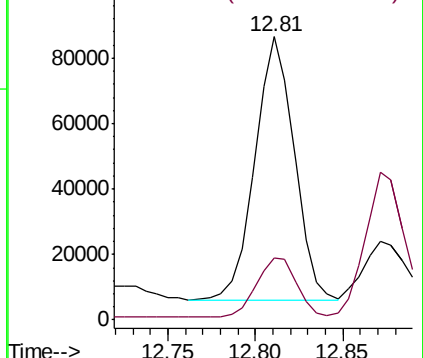
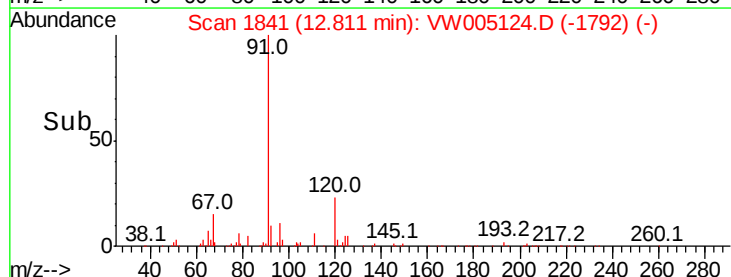
91 100

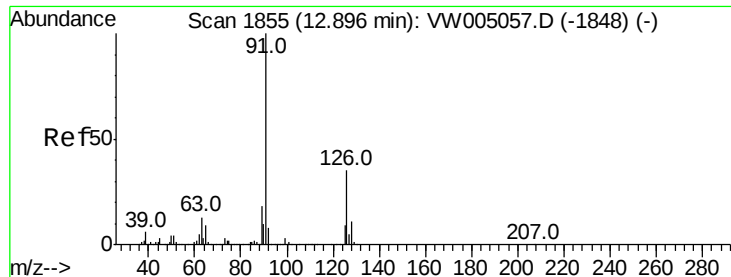
120 22.9 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 2.814 ug/l

RT: 12.87 min Scan# 1851

Delta R.T. -0.02 min

Lab File: VW005124.D

Acq: 05 Sep 2018 11:55

Instrument :

MSVOA\_W

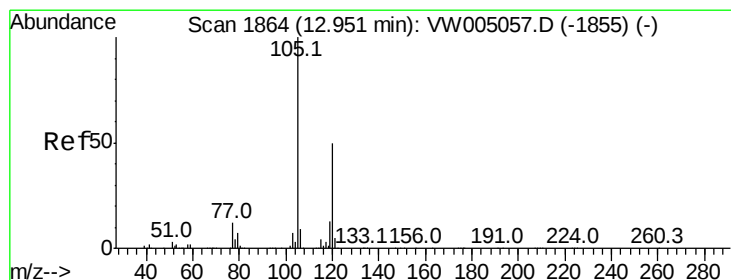
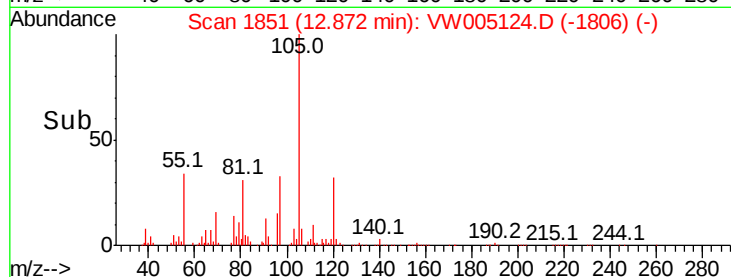
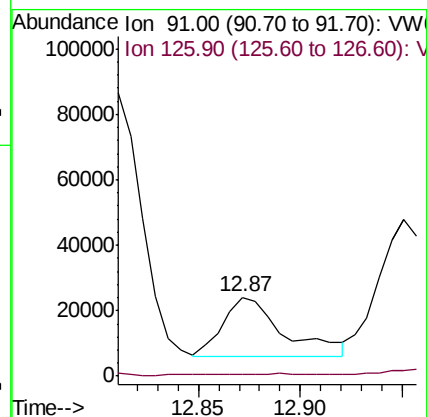
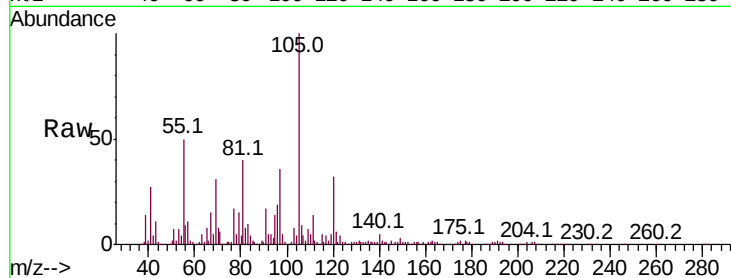
ClientSampleId :

Tot Ion: 91 Resp: 36913

Ion Ratio Lower Upper

91 100

126 2.1 17.3 52.0#



#80

1,3,5-Trimethylbenzene

Concen: 33.629 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW005124.D

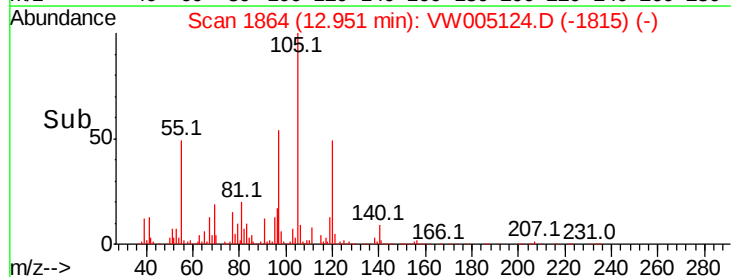
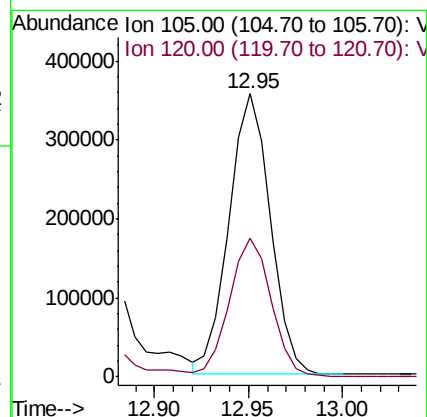
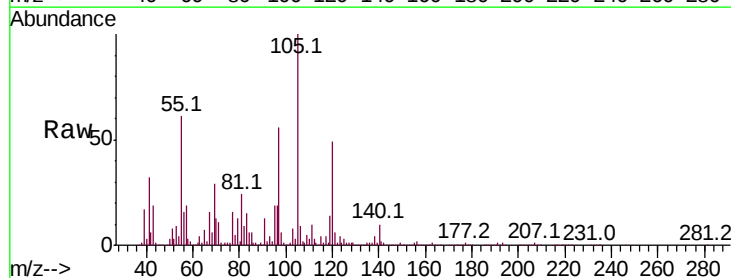
Acq: 05 Sep 2018 11:55

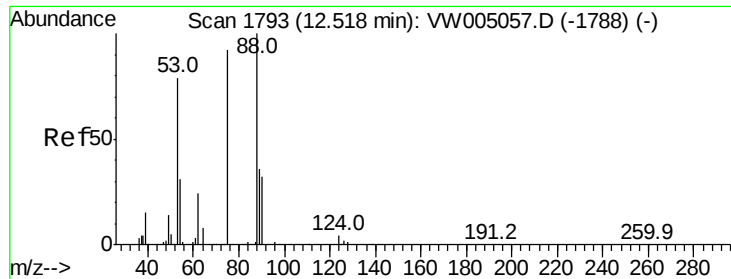
Tgt Ion: 105 Resp: 541629

Ion Ratio Lower Upper

105 100

120 48.9 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 187.492 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

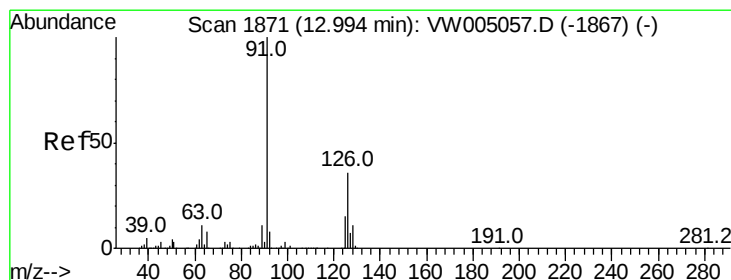
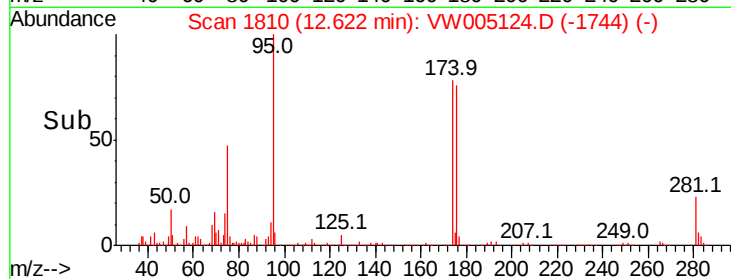
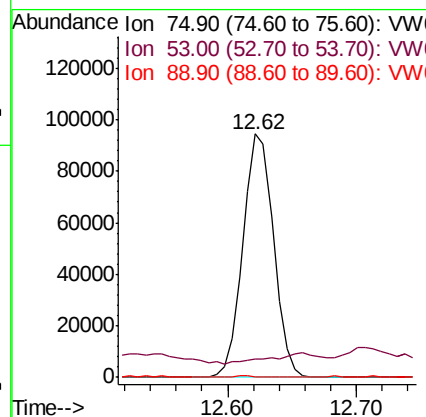
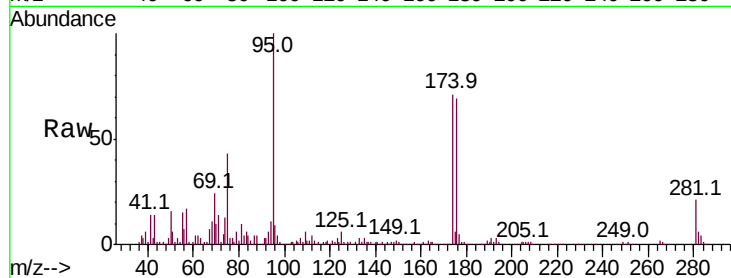
Lab File: VW005124.D

Acq: 05 Sep 2018 11:55

Instrument :  
MSVOA\_W  
ClientSampleId :

Tot Ion: 75 Resp: 154444

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 75  | 100   |       |        |
| 53  | 0.0   | 69.8  | 104.8# |
| 89  | 0.4   | 36.0  | 54.0#  |



#82

4-Chlorotoluene

Concen: 5.745 ug/l

RT: 12.95 min Scan# 1864

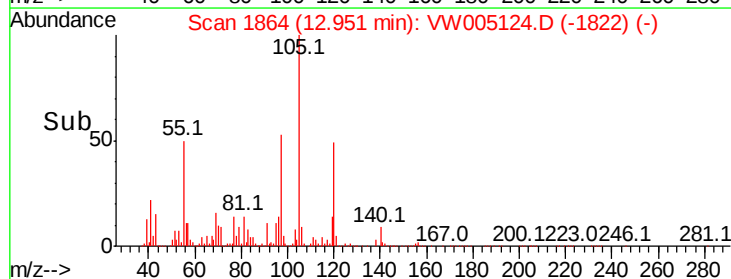
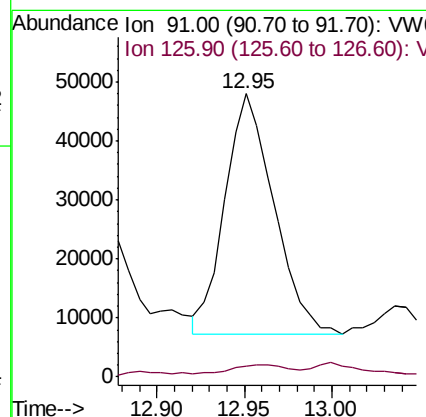
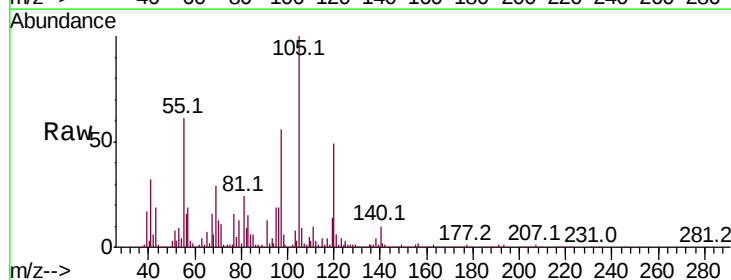
Delta R.T. -0.04 min

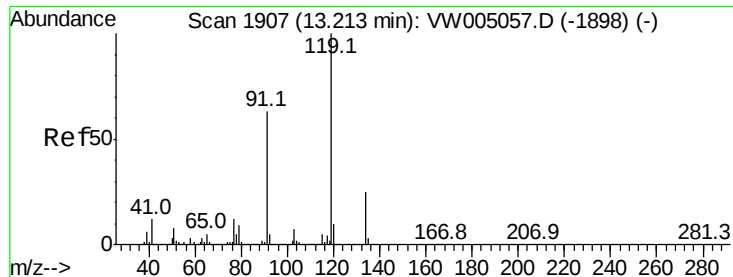
Lab File: VW005124.D

Acq: 05 Sep 2018 11:55

Tgt Ion: 91 Resp: 79570

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 126 | 4.7   | 17.4  | 52.3# |

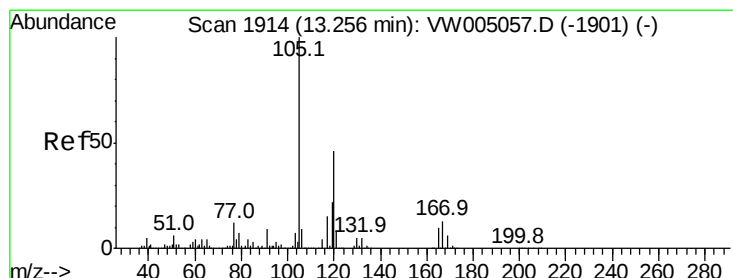
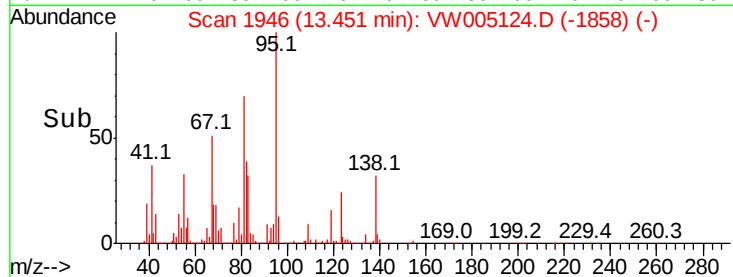
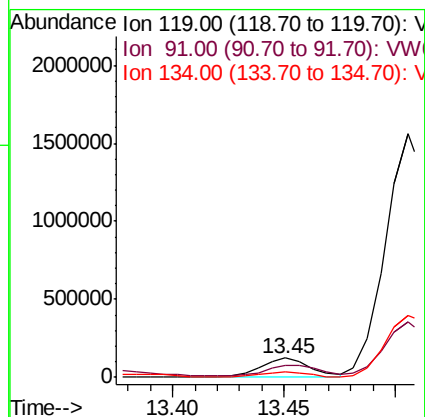
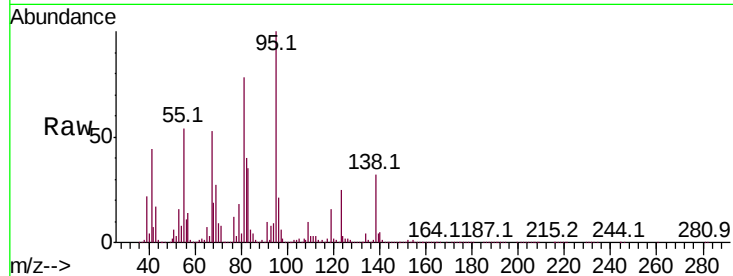




#83  
tert-Butylbenzene  
Concen: 13.455 ug/l  
RT: 13.45 min Scan# 1946  
Delta R.T. 0.24 min  
Lab File: VW005124.D  
Acq: 05 Sep 2018 11:55

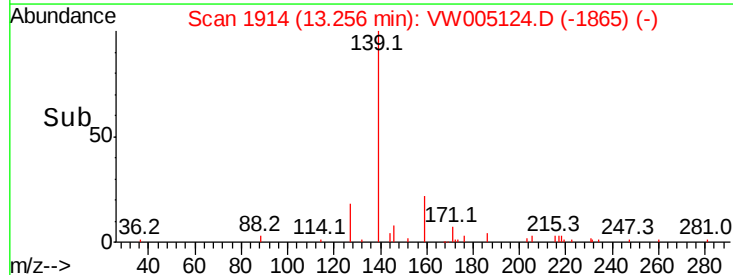
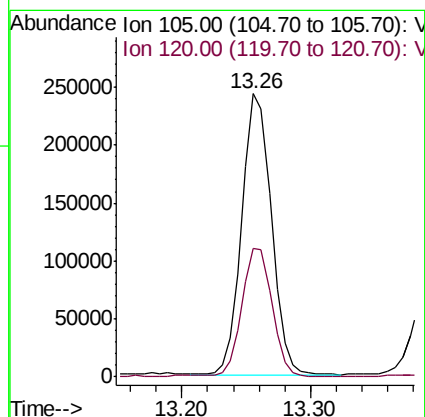
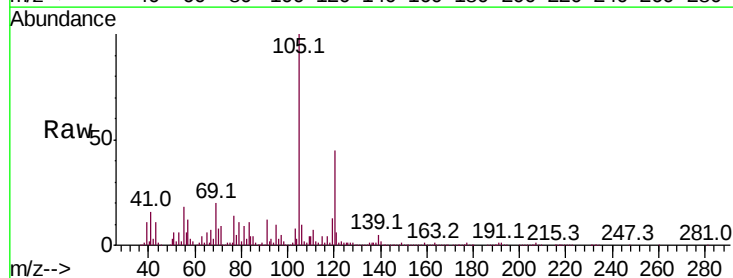
Instrument :  
MSVOA\_W  
ClientSampleId :

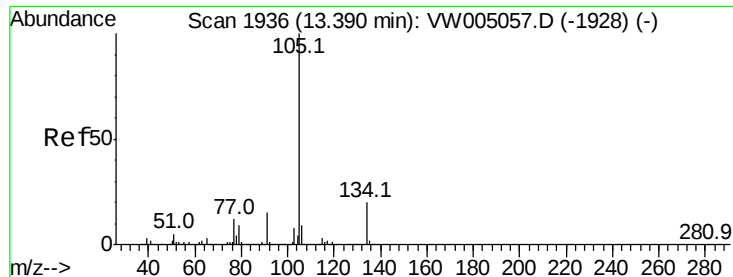
Tot Ion:119 Resp: 180976  
Ion Ratio Lower Upper  
119 100  
91 64.0 31.8 95.4  
134 26.8 13.0 39.0



#84  
1,2,4-Trimethylbenzene  
Concen: 23.469 ug/l  
RT: 13.26 min Scan# 1914  
Delta R.T. -0.00 min  
Lab File: VW005124.D  
Acq: 05 Sep 2018 11:55

Tgt Ion:105 Resp: 384957  
Ion Ratio Lower Upper  
105 100  
120 46.1 23.1 69.3





#85

sec-Butylbenzene

Concen: 6.207 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VW005124.D

Acq: 05 Sep 2018 11:55

Instrument :

MSVOA\_W

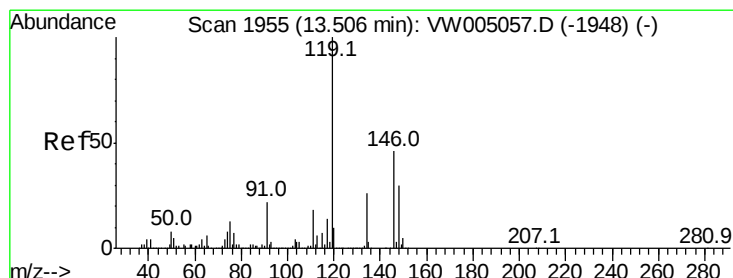
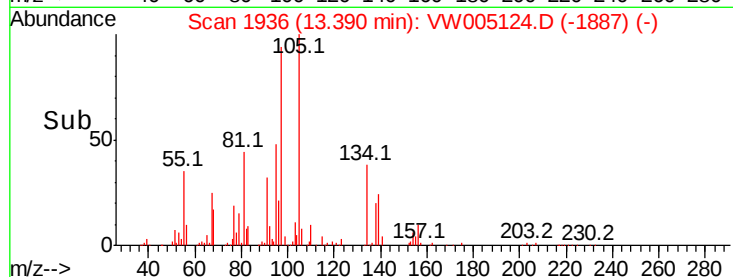
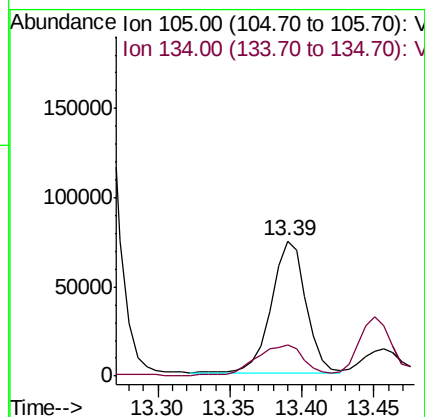
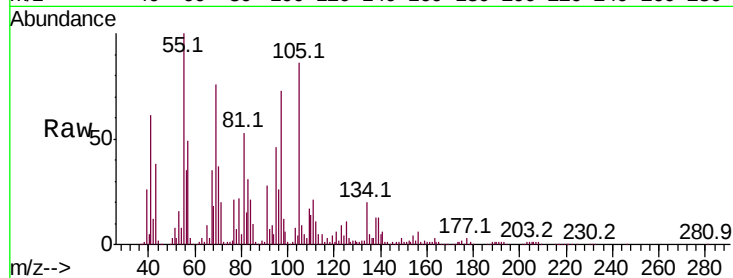
ClientSampled :

Tot Ion:105 Resp: 122690

Ion Ratio Lower Upper

105 100

134 31.0 10.1 30.3#



#86

p-Isopropyltoluene

Concen: 131.652 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW005124.D

Acq: 05 Sep 2018 11:55

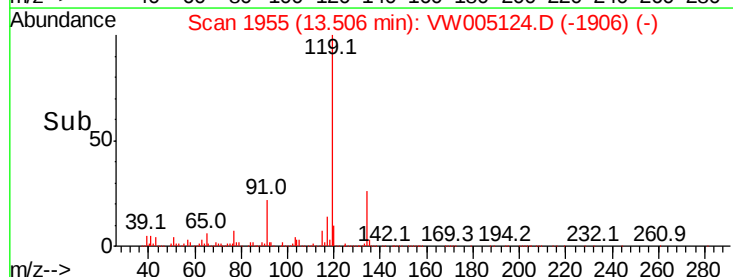
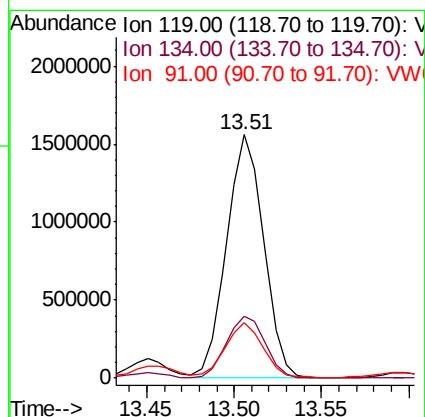
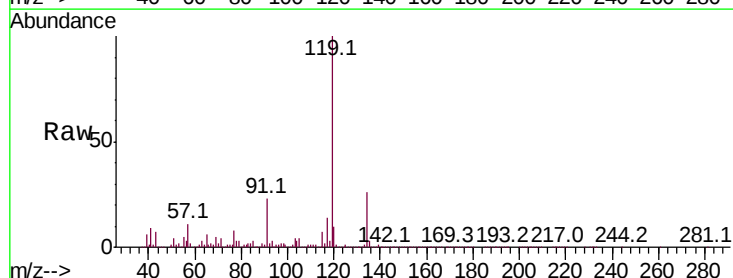
Tgt Ion:119 Resp: 2303543

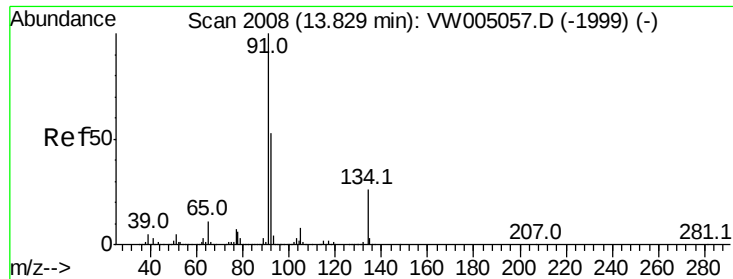
Ion Ratio Lower Upper

119 100

134 26.2 13.3 39.8

91 22.3 10.9 32.9

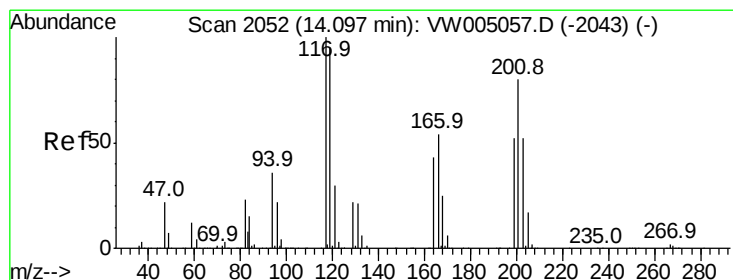
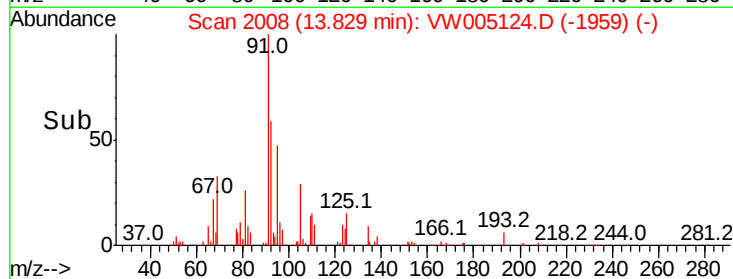
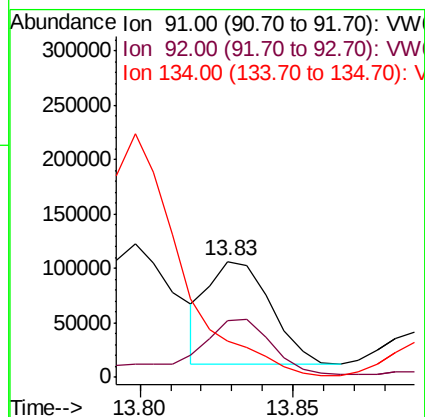
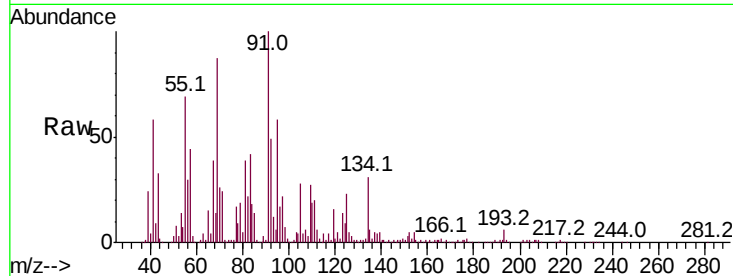




#89  
n-Butylbenzene  
Concen: 8.186 ug/l  
RT: 13.83 min Scan# 2008  
Delta R.T. -0.00 min  
Lab File: VW005124.D  
Acq: 05 Sep 2018 11:55

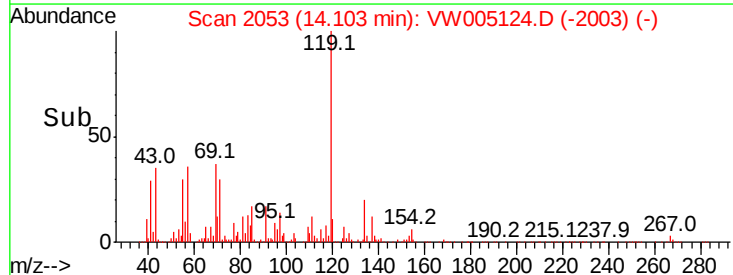
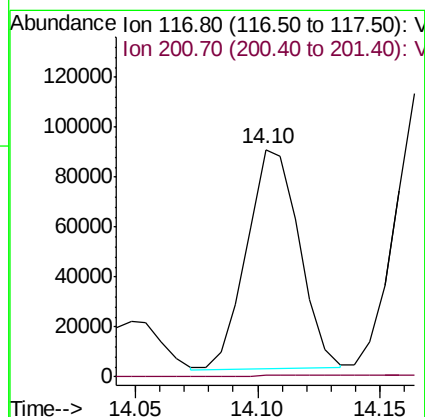
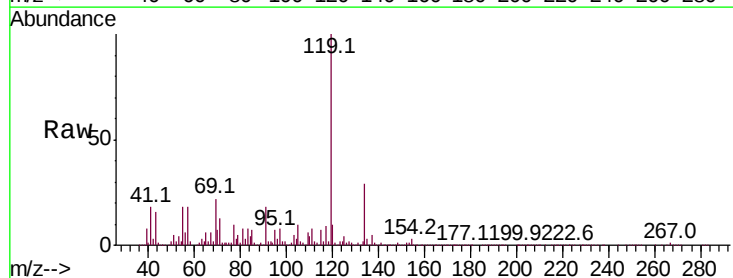
Instrument :  
MSVOA\_W  
ClientSampled :

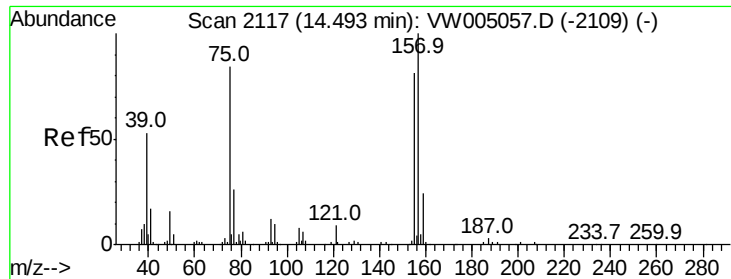
Tot Ion: 91 Resp: 132741  
Ion Ratio Lower Upper  
91 100  
92 71.3 26.5 79.5  
134 0.0 13.5 40.4#



#90  
Hexachloroethane  
Concen: 45.375 ug/l  
RT: 14.10 min Scan# 2053  
Delta R.T. 0.01 min  
Lab File: VW005124.D  
Acq: 05 Sep 2018 11:55

Tgt Ion: 117 Resp: 131877  
Ion Ratio Lower Upper  
117 100  
201 0.4 44.6 133.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 11.682 ug/l

RT: 14.51 min Scan# 2120

Delta R.T. 0.02 min

Lab File: VW005124.D

Acq: 05 Sep 2018 11:55

Instrument :

MSVOA\_W

ClientSampleId :

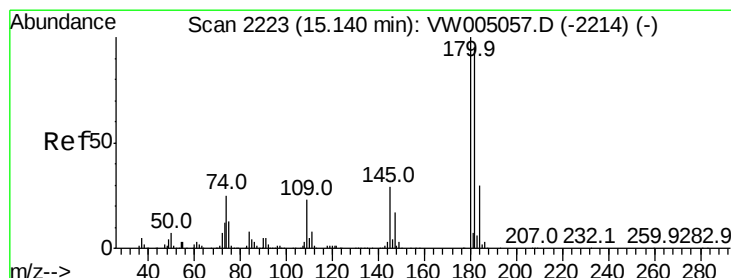
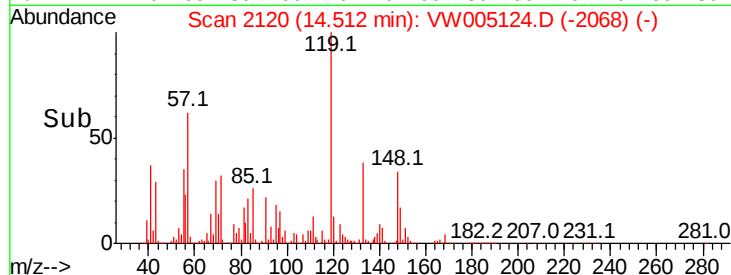
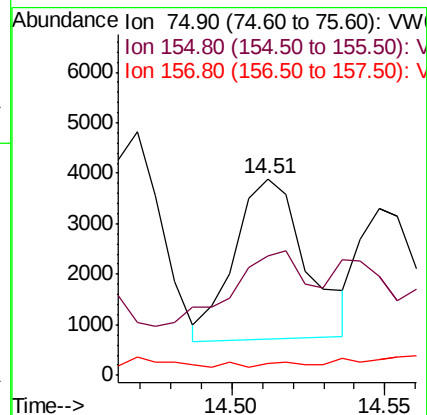
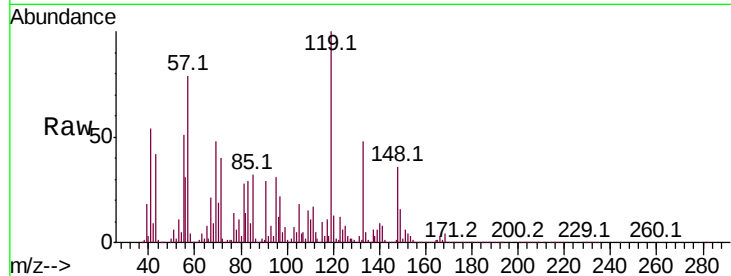
Tot Ion: 75 Resp: 5176

Ion Ratio Lower Upper

75 100

155 49.6 46.0 137.8

157 2.2 58.6 175.7#



#93

1,2,4-Trichlorobenzene

Concen: 13.420 ug/l

RT: 15.18 min Scan# 2229

Delta R.T. 0.04 min

Lab File: VW005124.D

Acq: 05 Sep 2018 11:55

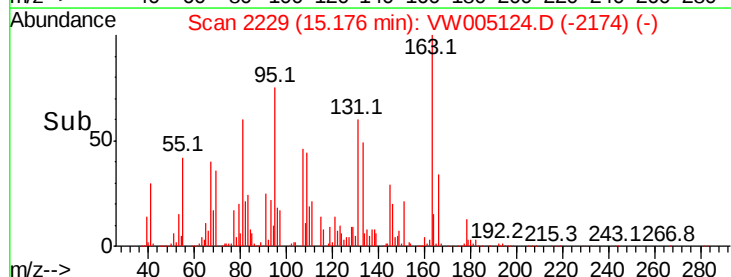
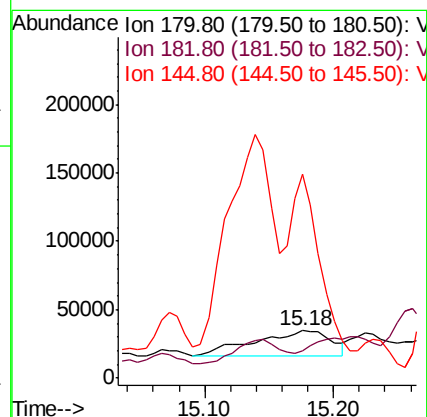
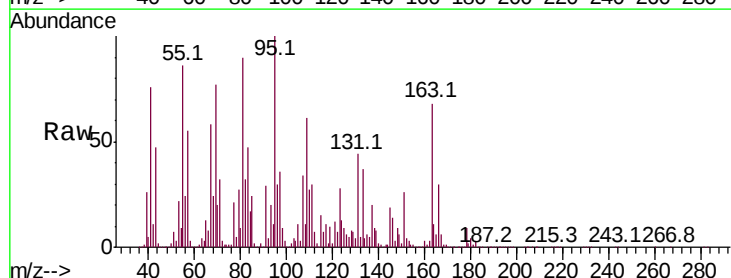
Tgt Ion: 180 Resp: 73933

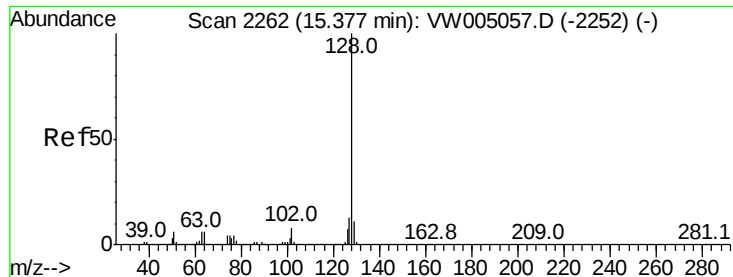
Ion Ratio Lower Upper

180 100

182 0.0 47.5 142.6#

145 359.7 14.4 43.2#

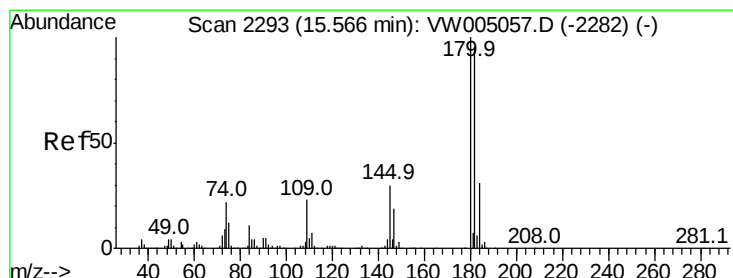
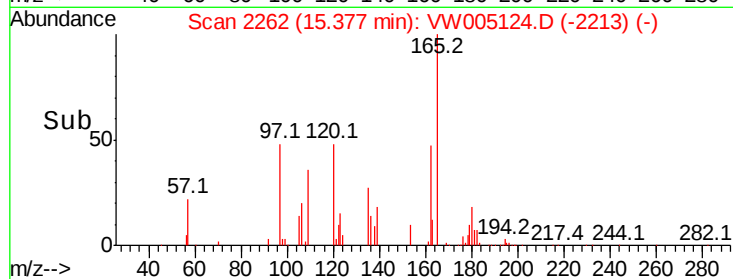
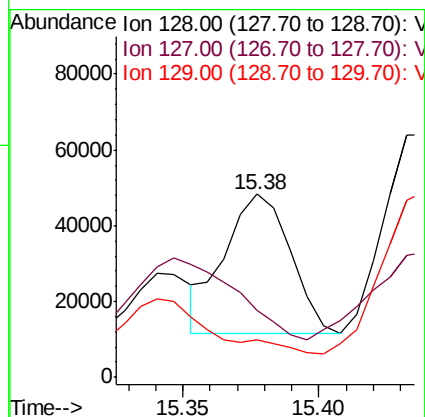
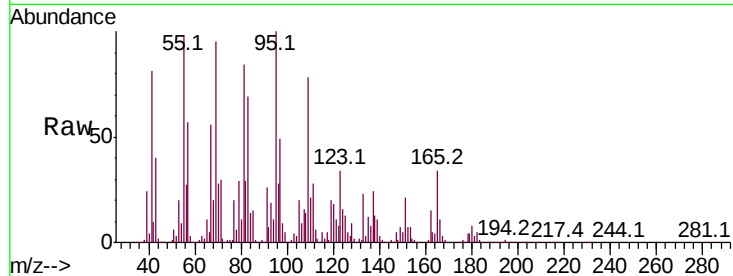




#95  
Naphthalene  
Concen: 9.896 ug/l  
RT: 15.38 min Scan# 2262  
Delta R.T. 0.00 min  
Lab File: VW005124.D  
Acq: 05 Sep 2018 11:55

Instrument :  
MSVOA\_W  
ClientSampled :

Tot Ion:128 Resp: 61221  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.4 15.6#  
129 0.0 8.7 13.1#



#96  
1,2,3-Trichlorobenzene  
Concen: 62.452 ug/l  
RT: 15.59 min Scan# 2297  
Delta R.T. 0.02 min  
Lab File: VW005124.D  
Acq: 05 Sep 2018 11:55

Tgt Ion:180 Resp: 294442  
Ion Ratio Lower Upper  
180 100  
182 0.0 47.4 142.3#  
145 0.0 15.4 46.1#

