

Data File : VW010784.D  
Acq On : 12 Jun 2019 18:03  
Operator : SY/VA  
Sample : K3265-07  
Misc : 5.01G/5ML/MSVOA\_W/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
B-02-2.5-3.0

Quant Time: Jun 13 07:38:51 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W060419S.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 05 03:21:19 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 3910     | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 5981     | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 2959     | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 457      | 50.00 | ug/l  | 0.00     |

#### System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.31   | 65  | 2537     | 55.05 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 110.10% |      |
| 35) Dibromofluoromethane  | 7.90   | 113 | 1670     | 51.44 | ug/l    | 0.01 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.88% |      |
| 50) Toluene-d8            | 10.33  | 98  | 6628     | 46.56 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 93.12%  |      |
| 62) 4-Bromofluorobenzene  | 12.62  | 95  | 766      | 14.79 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 29.58%  |      |

#### Target Compounds

|                                |       |     |     |         |        | Qvalue |
|--------------------------------|-------|-----|-----|---------|--------|--------|
| 3) Chloromethane               | 2.21  | 50  | 177 | 3.330   | ug/l   | 92     |
| 5) Bromomethane                | 2.80  | 94  | 217 | 8.046   | ug/l # | 73     |
| 6) Chloroethane                | 2.92  | 64  | 49  | 1.662   | ug/l # | 43     |
| 10) Methyl Iodide              | 4.29  | 142 | 68  | 6.321   | ug/l # | 41     |
| 14) Allyl chloride             | 4.64  | 41  | 105 | 1.259   | ug/l # | 24     |
| 15) Acrylonitrile              | 5.26  | 53  | 19  | 1.716   | ug/l # | 17     |
| 16) Acetone                    | 4.13  | 43  | 792 | 64.136  | ug/l # | 71     |
| 17) Carbon Disulfide           | 4.38  | 76  | 230 | 1.916   | ug/l # | 74     |
| 18) Methyl Acetate             | 4.60  | 43  | 50  | 1.881   | ug/l # | 55     |
| 20) Methylene Chloride         | 4.92  | 84  | 248 | 5.725   | ug/l # | 81     |
| 25) 2-Butanone                 | 7.16  | 43  | 48  | 2.803   | ug/l # | 53     |
| 29) Tetrahydrofuran            | 7.55  | 42  | 41  | 3.807   | ug/l # | 40     |
| 31) Cyclohexane                | 7.95  | 56  | 102 | 1.097   | ug/l # | 61     |
| 36) 1,1-Dichloropropene        | 7.95  | 75  | 487 | 7.955   | ug/l # | 43     |
| 37) Ethyl Acetate              | 7.26  | 43  | 75  | 2.211   | ug/l # | 72     |
| 38) Carbon Tetrachloride       | 7.95  | 117 | 383 | 7.247   | ug/l # | 13     |
| 40) Benzene                    | 8.33  | 78  | 678 | 4.059   | ug/l   | 98     |
| 41) Methacrylonitrile          | 7.49  | 41  | 26  | 1.289   | ug/l # | 1      |
| 43) Isopropyl Acetate          | 8.45  | 43  | 85  | 1.297   | ug/l # | 55     |
| 48) Methyl methacrylate        | 9.44  | 41  | 47  | 1.487   | ug/l # | 18     |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43  | 84  | 2.509   | ug/l # | 39     |
| 52) Toluene                    | 10.39 | 92  | 171 | 1.664   | ug/l   | 95     |
| 59) 2-Hexanone                 | 10.96 | 43  | 71  | 2.934   | ug/l # | 28     |
| 67) Ethyl Benzene              | 11.72 | 91  | 442 | 3.952   | ug/l   | 97     |
| 69) o-Xylene                   | 12.17 | 106 | 50  | 1.317   | ug/l   | 57     |
| 73) Isopropylbenzene           | 12.47 | 105 | 272 | 7.920   | ug/l # | 49     |
| 74) N-amyl acetate             | 12.29 | 43  | 82  | 7.388   | ug/l # | 57     |
| 76) 1,2,3-Trichloropropane     | 12.63 | 75  | 410 | 85.432  | ug/l # | 100    |
| 79) 2-Chlorotoluene            | 12.90 | 91  | 68  | 2.874   | ug/l # | 43     |
| 80) 1,3,5-Trimethylbenzene     | 12.94 | 105 | 283 | 10.068  | ug/l   | 74     |
| 81) trans-1,4-Dichloro-2-buten | 12.63 | 75  | 410 | 196.351 | ug/l # | 5      |
| 82) 4-Chlorotoluene            | 12.98 | 91  | 48  | 1.966   | ug/l # | 43     |
| 84) 1,2,4-Trimethylbenzene     | 13.24 | 105 | 213 | 7.530   | ug/l   | 69     |
| 85) sec-Butylbenzene           | 13.24 | 105 | 213 | 6.132   | ug/l # | 57     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW061219\  
Quantitation Report (Not Reviewed)

Data File : VW010784.D  
Acq On : 12 Jun 2019 18:03  
Operator : SY/VA  
Sample : K3265-07  
Misc : 5.01G/5ML/MSVOA\_W/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
B-02-2.5-3.0

Quant Time: Jun 13 07:38:51 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W060419S.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 05 03:21:19 2019  
Response via : Initial Calibration

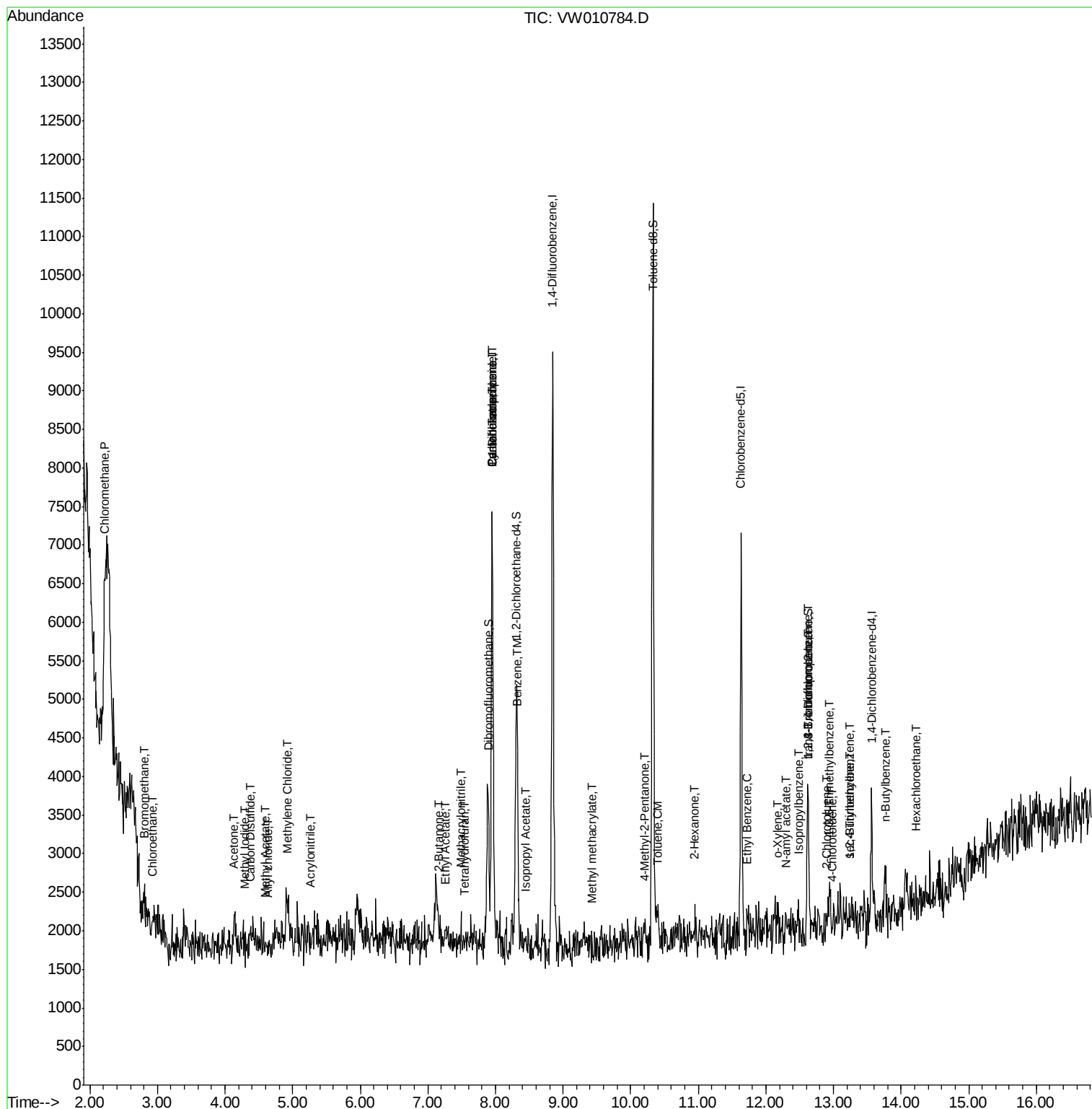
| Internal Standards   | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|----------------------|-------|------|----------|--------|--------|----------|
| 89) n-Butylbenzene   | 13.77 | 91   | 80       | 2.581  | ug/l # | 32       |
| 90) Hexachloroethane | 14.22 | 117  | 97       | 17.438 | ug/l # | 11       |

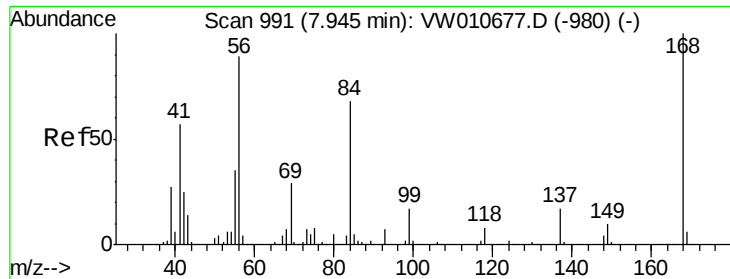
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW010784.D

Acq: 12 Jun 2019 18:03

Instrument :

MSVOA\_W

ClientSampleId :

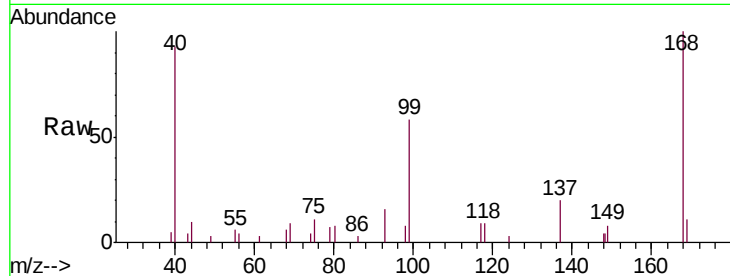
B-02-2.5-3.0

Tgt Ion:168 Resp: 3910

Ion Ratio Lower Upper

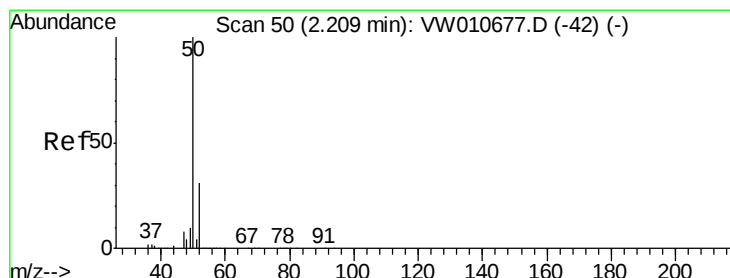
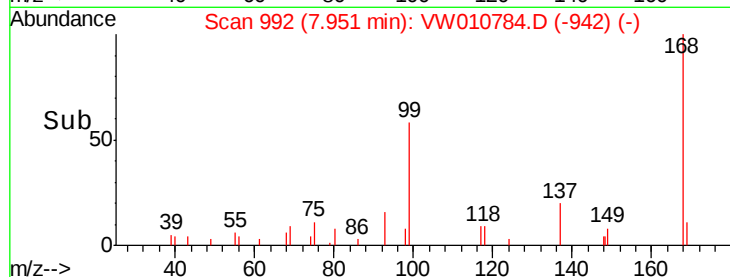
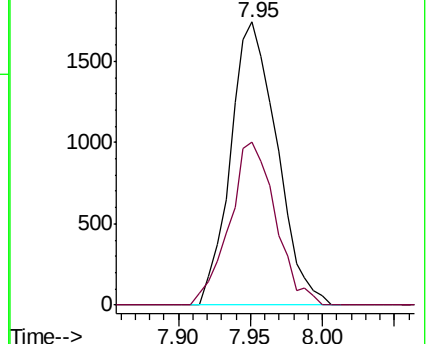
168 100

99 57.8 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#3

Chloromethane

Concen: 3.330 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW010784.D

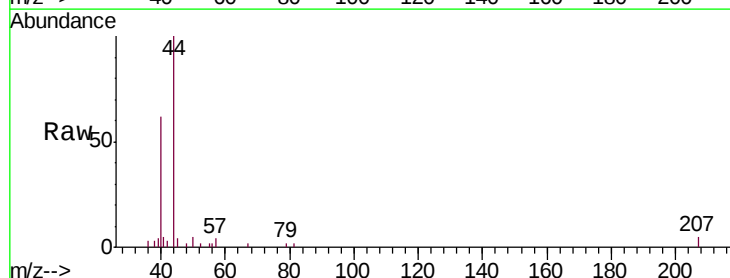
Acq: 12 Jun 2019 18:03

Tgt Ion: 50 Resp: 177

Ion Ratio Lower Upper

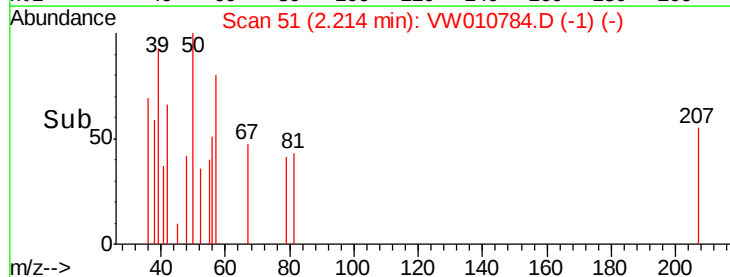
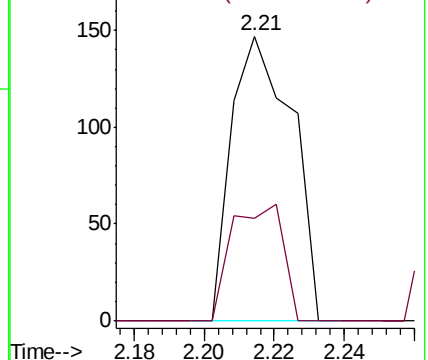
50 100

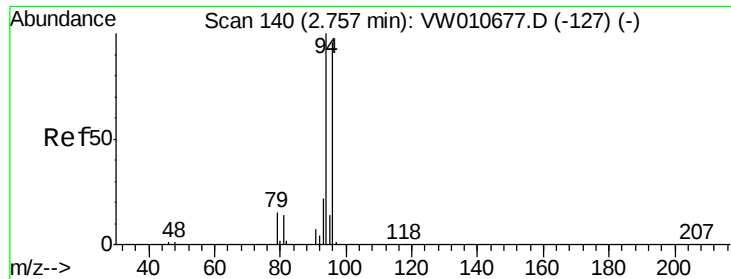
52 36.1 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW





#5

Bromomethane

Concen: 8.046 ug/l

RT: 2.80 min Scan# 147

Delta R.T. 0.04 min

Lab File: VW010784.D

Acq: 12 Jun 2019 18:03

Instrument :

MSVOA\_W

ClientSampled :

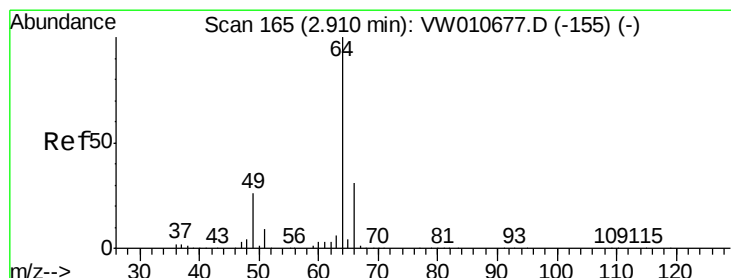
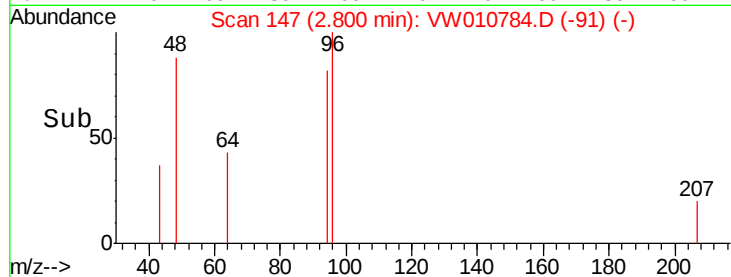
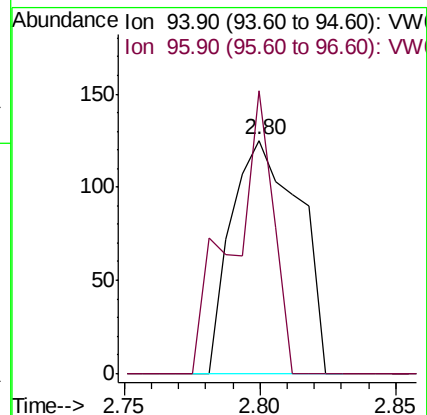
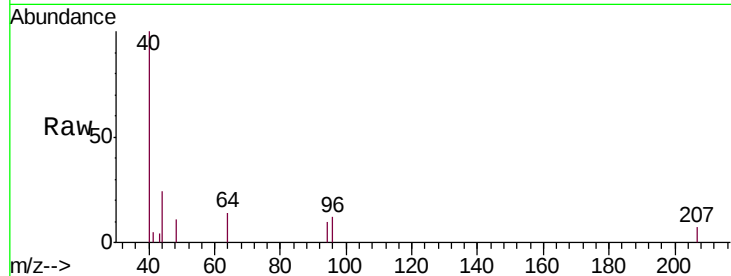
B-02-2.5-3.0

Tgt Ion: 94 Resp: 217

Ion Ratio Lower Upper

94 100

96 121.6 76.5 114.7#



#6

Chloroethane

Concen: 1.662 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.01 min

Lab File: VW010784.D

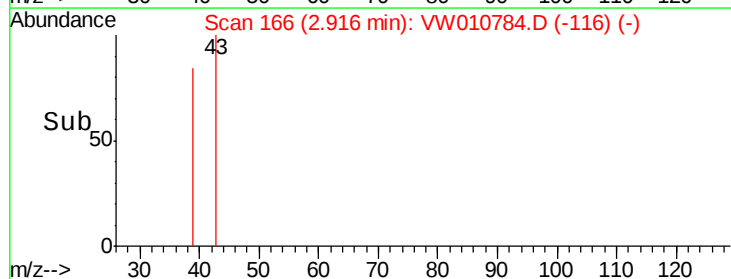
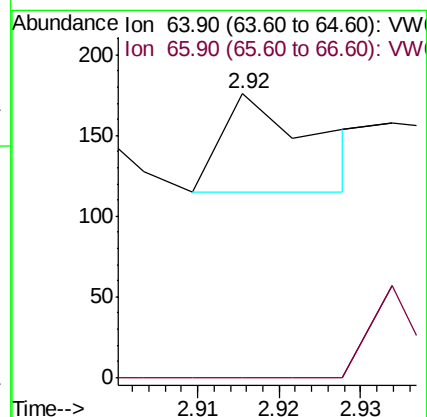
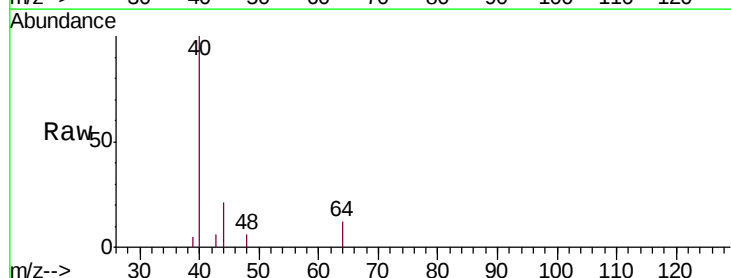
Acq: 12 Jun 2019 18:03

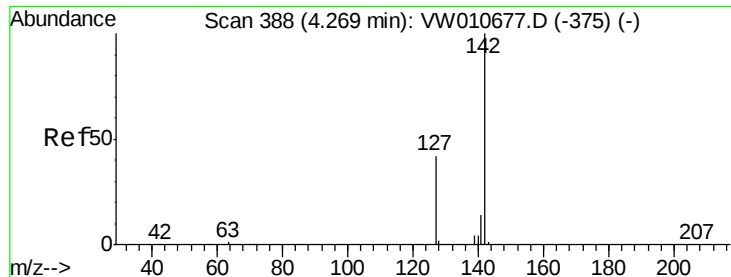
Tgt Ion: 64 Resp: 49

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#

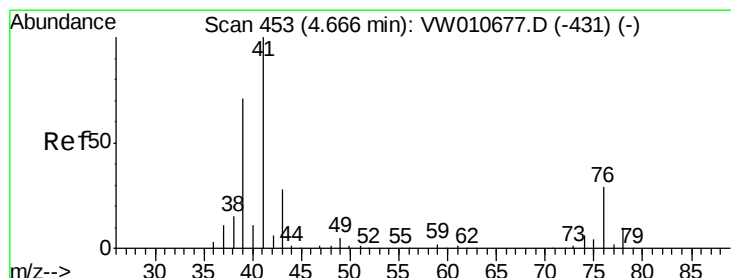
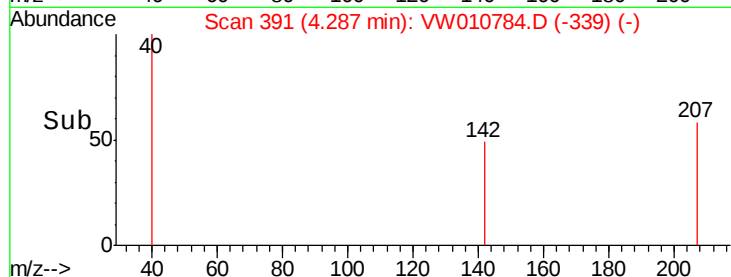
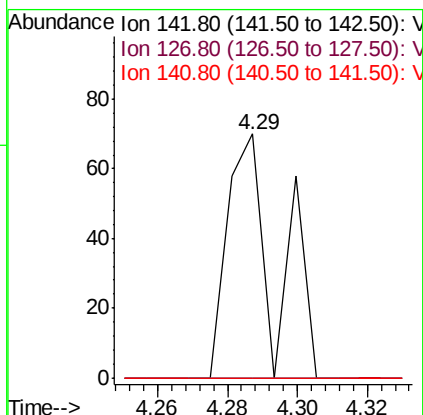
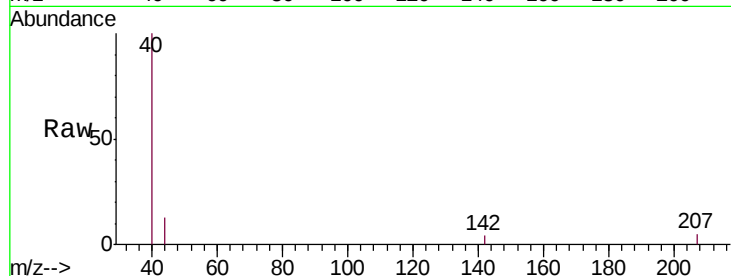




#10  
Methyl Iodide  
Concen: 6.321 ug/l  
RT: 4.29 min Scan# 391  
Delta R.T. 0.02 min  
Lab File: VW010784.D  
Acq: 12 Jun 2019 18:03

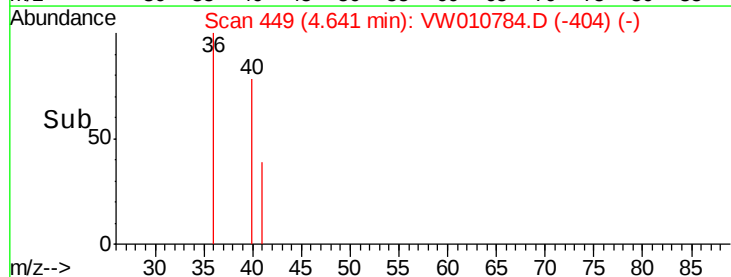
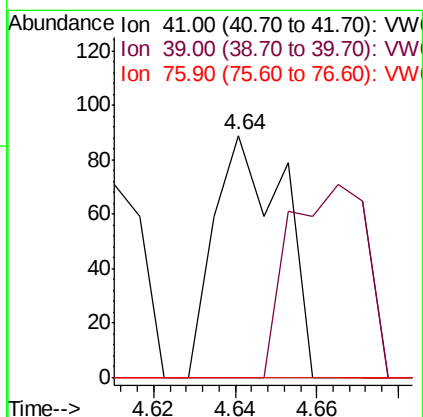
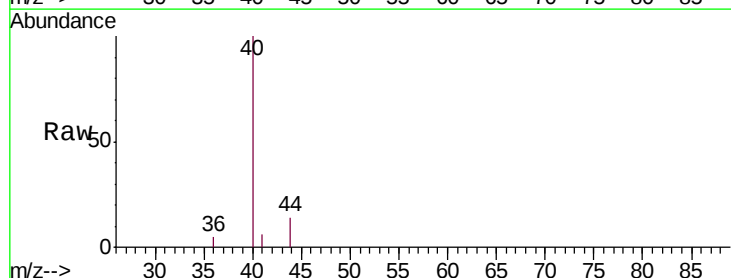
Instrument :  
MSVOA\_W  
ClientSampleId :  
B-02-2.5-3.0

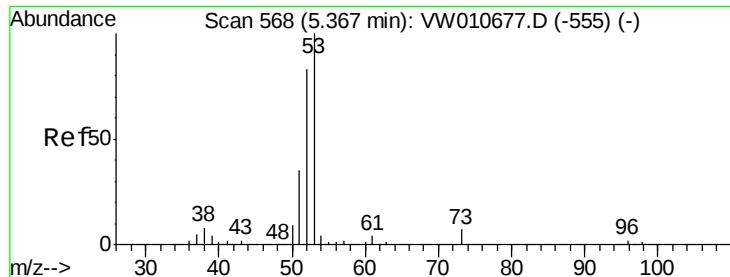
Tgt Ion: 142 Resp: 68  
Ion Ratio Lower Upper  
142 100  
127 0.0 34.6 51.8#  
141 0.0 11.6 17.4#



#14  
Allyl chloride  
Concen: 1.259 ug/l  
RT: 4.64 min Scan# 449  
Delta R.T. -0.02 min  
Lab File: VW010784.D  
Acq: 12 Jun 2019 18:03

Tgt Ion: 41 Resp: 105  
Ion Ratio Lower Upper  
41 100  
39 0.0 55.8 83.6#  
76 0.0 22.7 34.1#





#15

Acrylonitrile

Concen: 1.716 ug/l

RT: 5.26 min Scan# 550

Delta R.T. -0.11 min

Lab File: VW010784.D

Acq: 12 Jun 2019 18:03

Instrument :

MSVOA\_W

ClientSampleId :

B-02-2.5-3.0

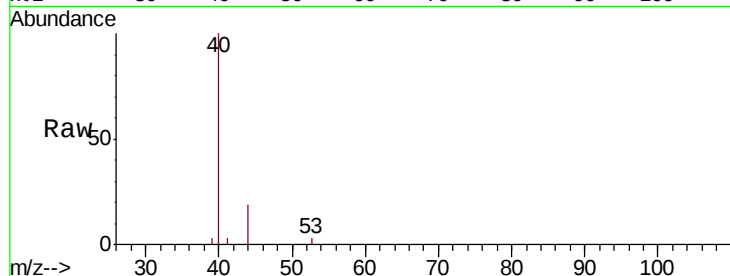
Tgt Ion: 53 Resp: 19

Ion Ratio Lower Upper

53 100

52 0.0 66.6 100.0#

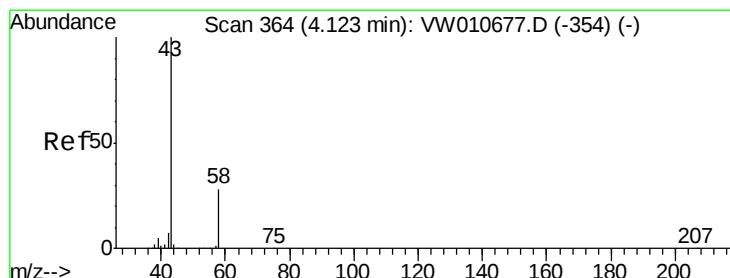
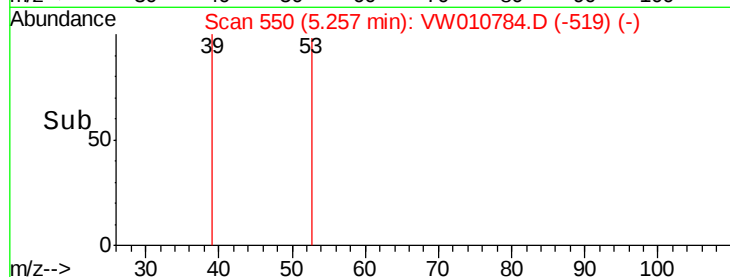
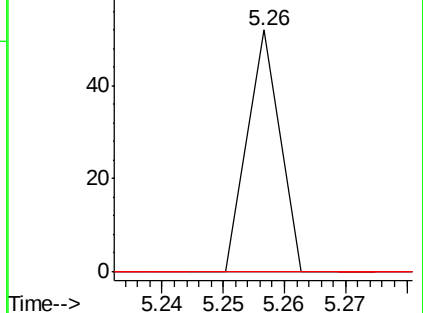
51 0.0 29.8 44.8#



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 64.136 ug/l

RT: 4.13 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW010784.D

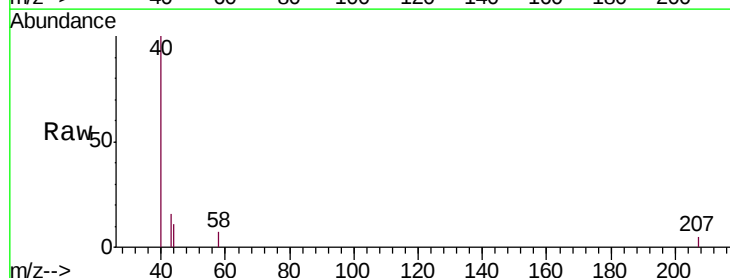
Acq: 12 Jun 2019 18:03

Tgt Ion: 43 Resp: 792

Ion Ratio Lower Upper

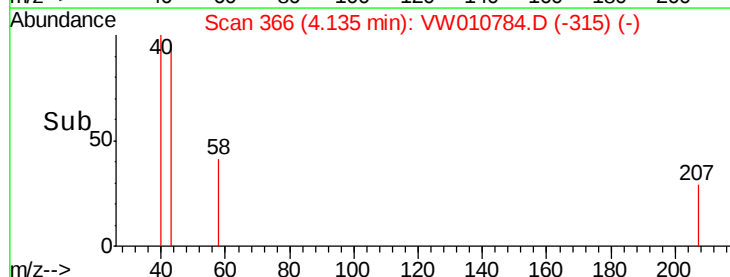
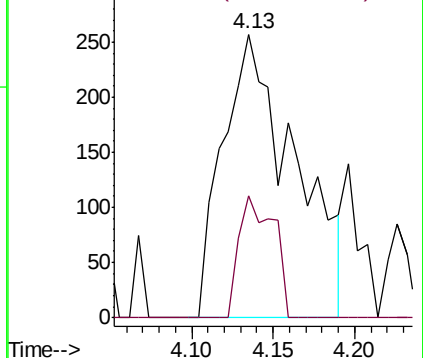
43 100

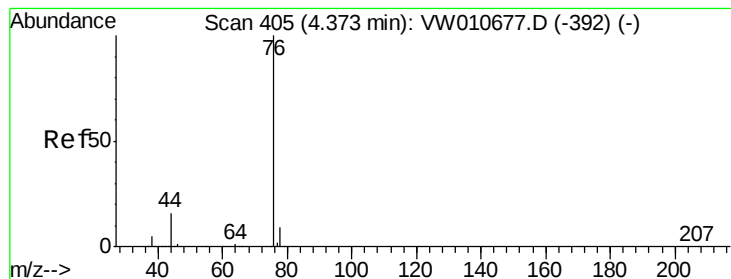
58 42.8 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 1.916 ug/l

RT: 4.38 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW010784.D

Acq: 12 Jun 2019 18:03

Instrument :

MSVOA\_W

ClientSampleId :

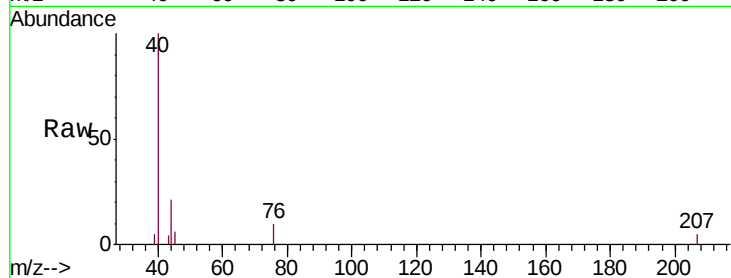
B-02-2.5-3.0

Tgt Ion: 76 Resp: 230

Ion Ratio Lower Upper

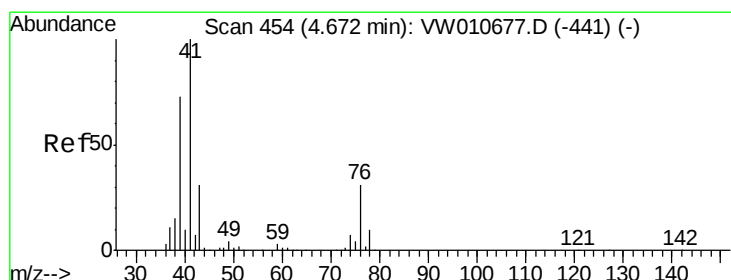
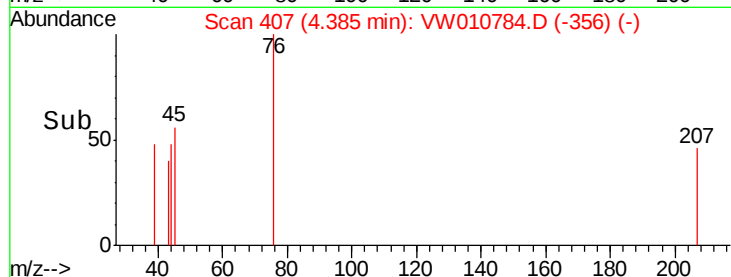
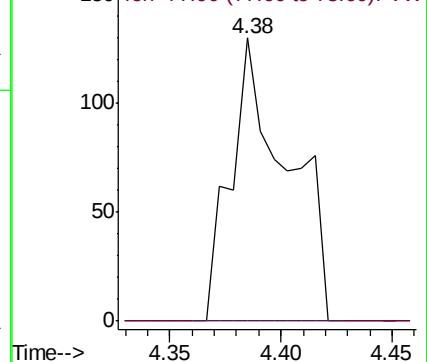
76 100

78 0.0 7.5 11.3#



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 1.881 ug/l

RT: 4.60 min Scan# 443

Delta R.T. -0.07 min

Lab File: VW010784.D

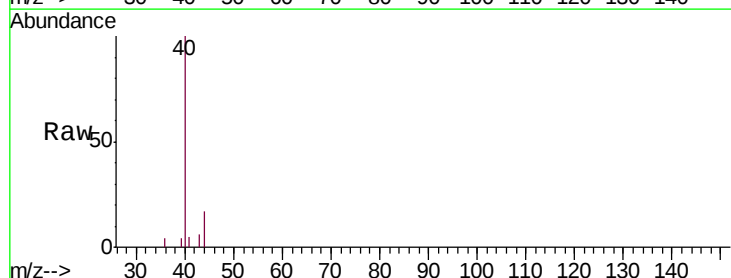
Acq: 12 Jun 2019 18:03

Tgt Ion: 43 Resp: 50

Ion Ratio Lower Upper

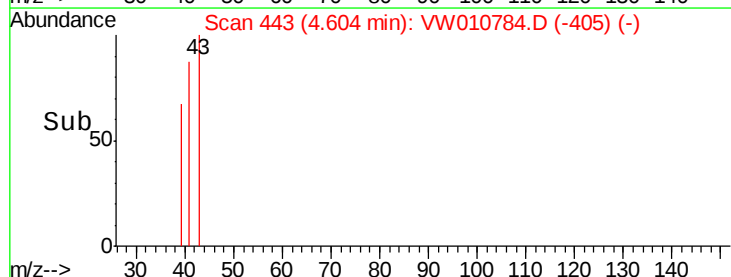
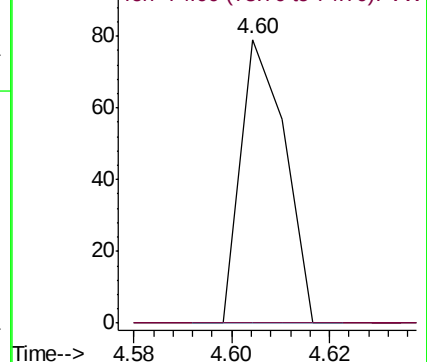
43 100

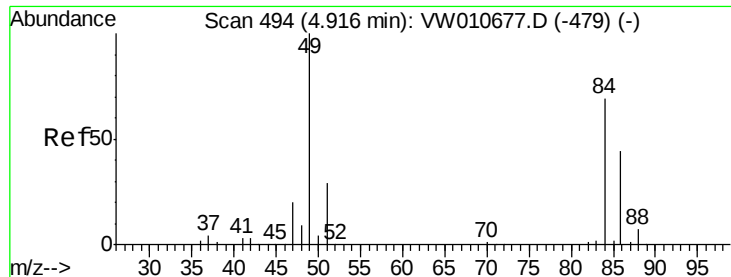
74 0.0 16.7 25.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

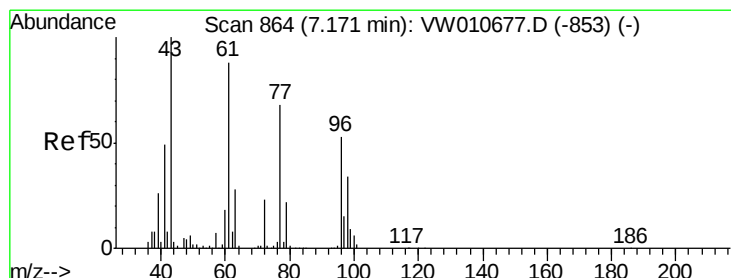
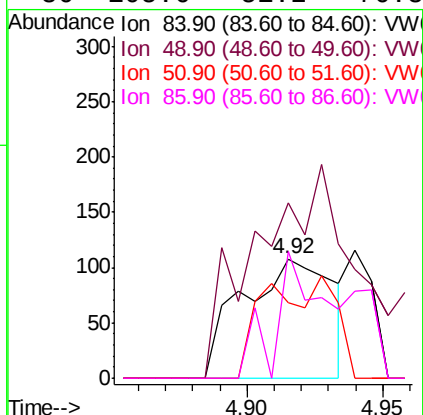
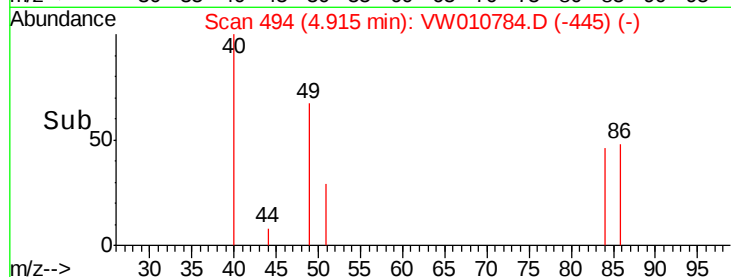
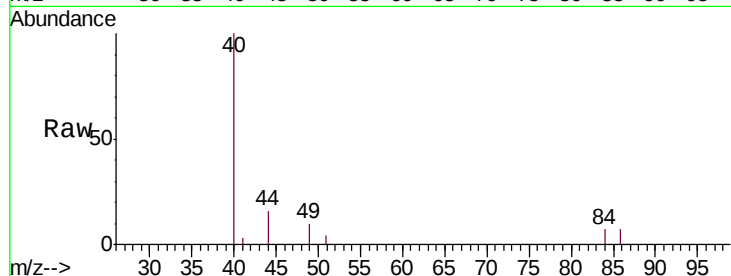




#20  
Methylene Chloride  
Concen: 5.725 ug/l  
RT: 4.92 min Scan# 494  
Delta R.T. -0.00 min  
Lab File: VW010784.D  
Acq: 12 Jun 2019 18:03

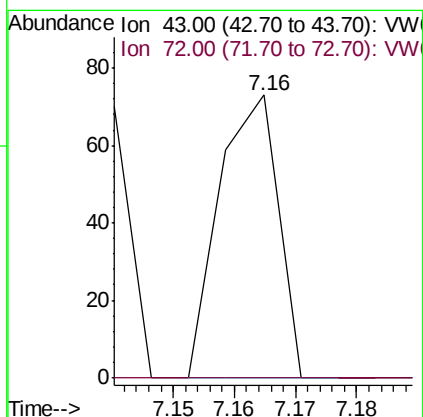
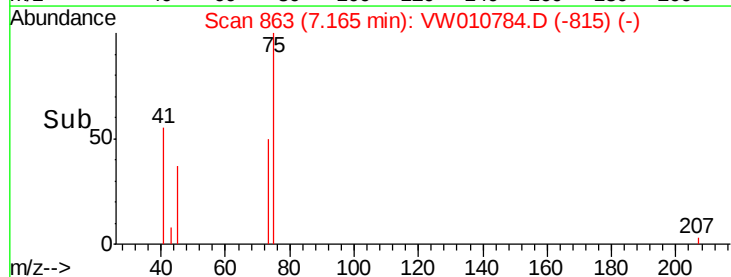
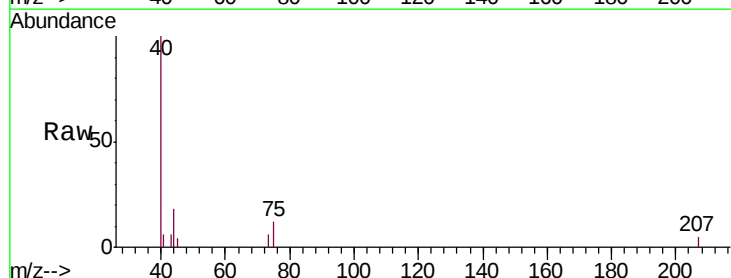
Instrument :  
MSVOA\_W  
ClientSampled :  
B-02-2.5-3.0

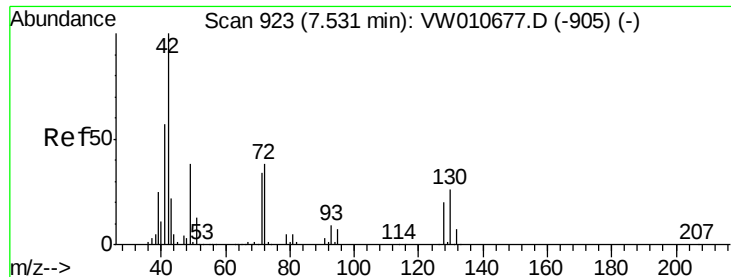
Tgt Ion: 84 Resp: 248  
Ion Ratio Lower Upper  
84 100  
49 146.3 116.7 175.1  
51 63.0 34.2 51.2#  
86 105.6 51.2 76.8#



#25  
2-Butanone  
Concen: 2.803 ug/l  
RT: 7.16 min Scan# 863  
Delta R.T. -0.01 min  
Lab File: VW010784.D  
Acq: 12 Jun 2019 18:03

Tgt Ion: 43 Resp: 48  
Ion Ratio Lower Upper  
43 100  
72 0.0 18.1 27.1#

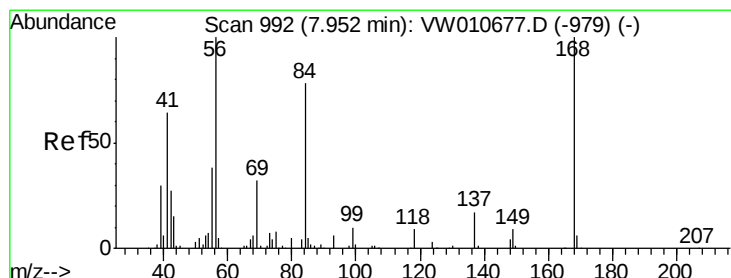
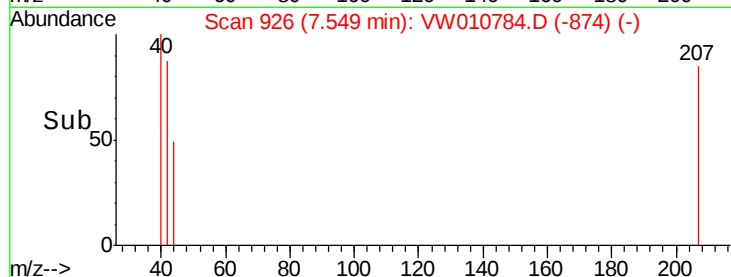
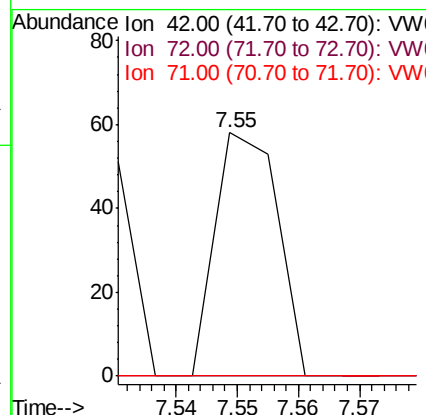
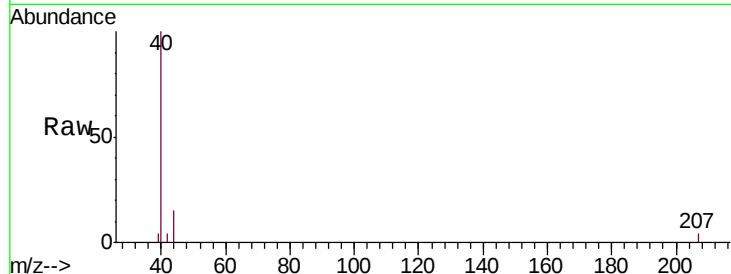




#29  
Tetrahydrofuran  
Concen: 3.807 ug/l  
RT: 7.55 min Scan# 926  
Delta R.T. 0.02 min  
Lab File: VW010784.D  
Acq: 12 Jun 2019 18:03

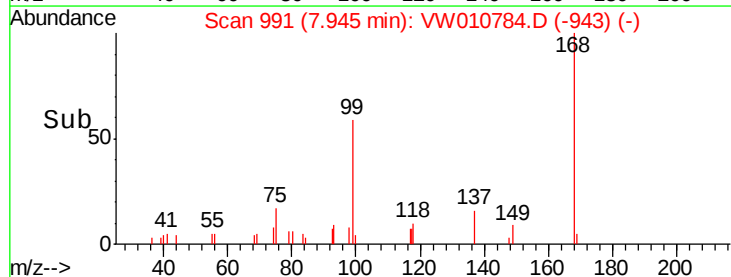
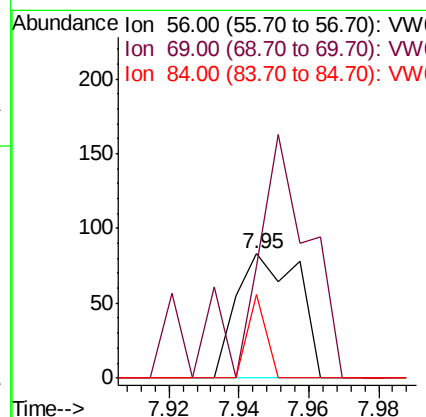
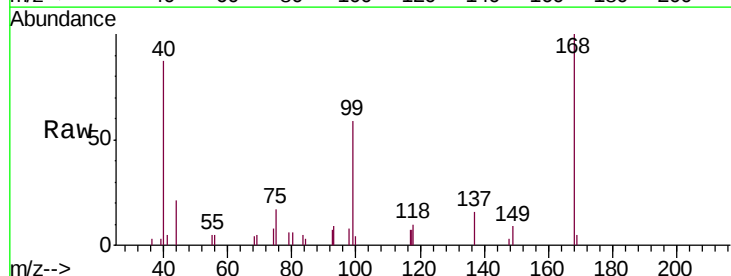
Instrument :  
MSVOA\_W  
ClientSampleId :  
B-02-2.5-3.0

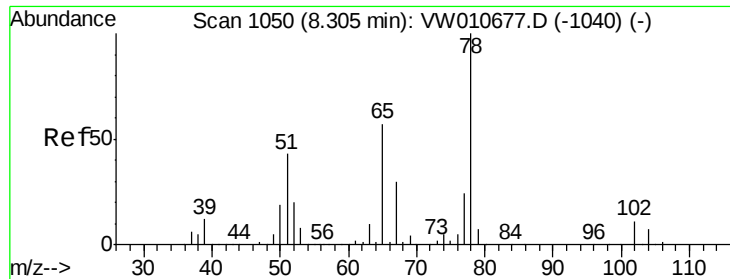
Tgt Ion: 42 Resp: 41  
Ion Ratio Lower Upper  
42 100  
72 0.0 28.7 43.1#  
71 0.0 26.6 39.8#



#31  
Cyclohexane  
Concen: 1.097 ug/l  
RT: 7.95 min Scan# 991  
Delta R.T. -0.01 min  
Lab File: VW010784.D  
Acq: 12 Jun 2019 18:03

Tgt Ion: 56 Resp: 102  
Ion Ratio Lower Upper  
56 100  
69 90.4 25.2 37.8#  
84 67.5 62.2 93.2

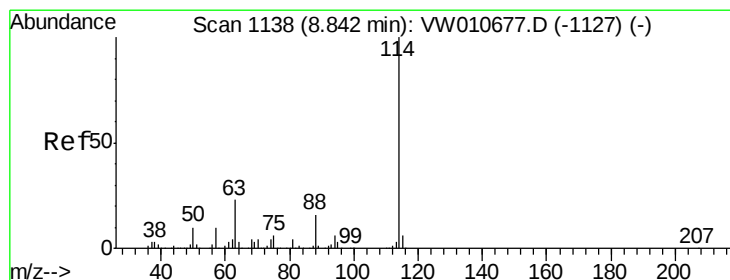
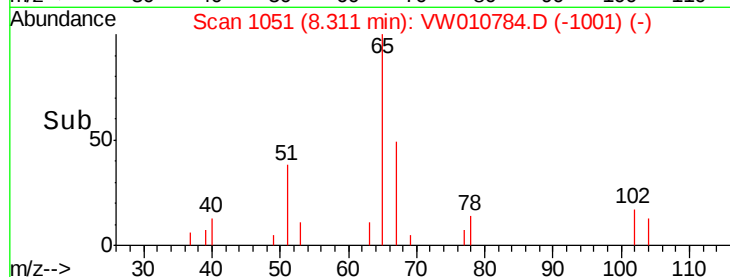
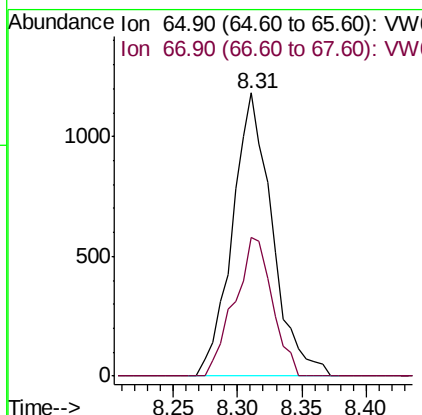
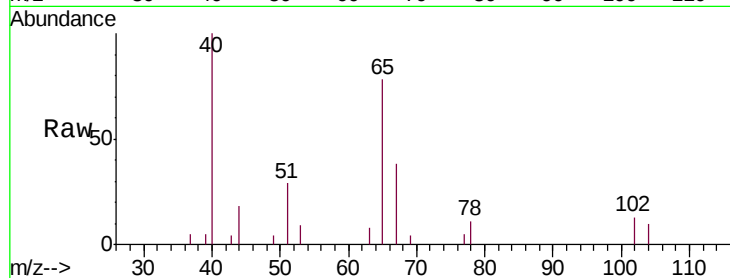




#33  
 1,2-Dichloroethane-d4  
 Concen: 55.049 ug/l  
 RT: 8.31 min Scan# 1051  
 Delta R.T. 0.01 min  
 Lab File: VW010784.D  
 Acq: 12 Jun 2019 18:03

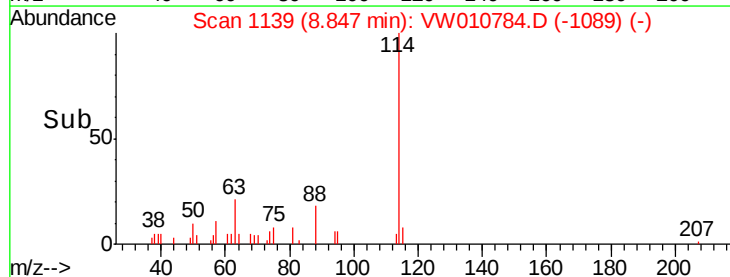
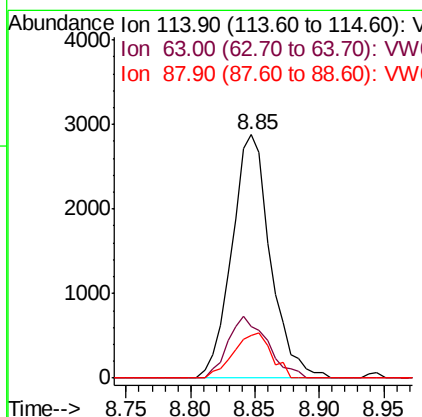
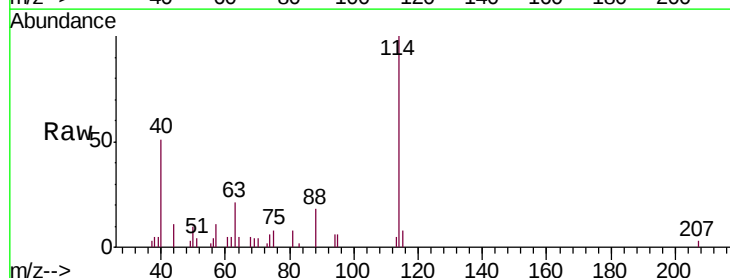
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 B-02-2.5-3.0

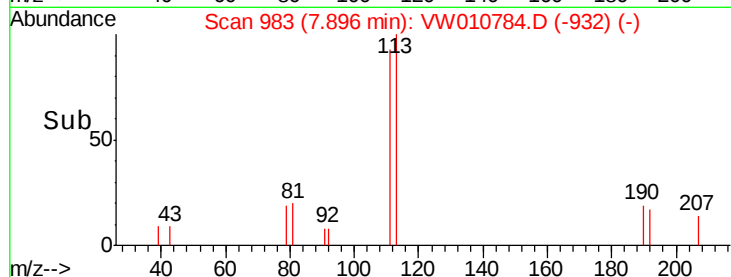
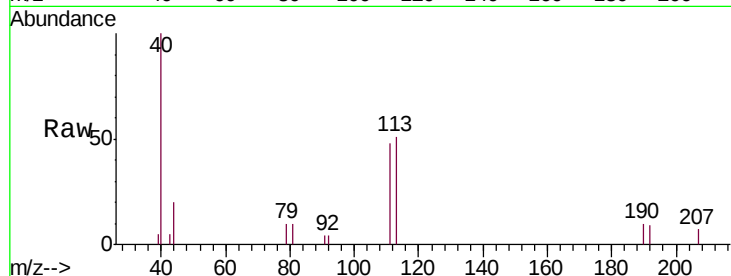
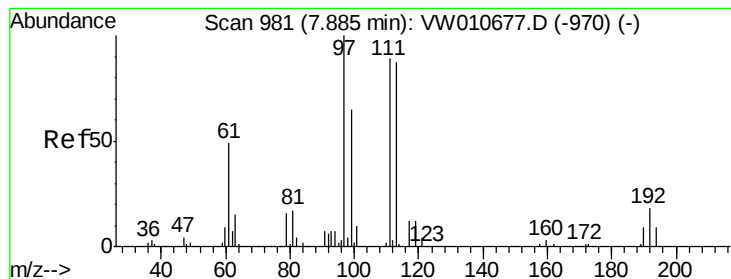
Tgt Ion: 65 Resp: 2537  
 Ion Ratio Lower Upper  
 65 100  
 67 46.4 0.0 102.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.85 min Scan# 1139  
 Delta R.T. 0.01 min  
 Lab File: VW010784.D  
 Acq: 12 Jun 2019 18:03

Tgt Ion: 114 Resp: 5981  
 Ion Ratio Lower Upper  
 114 100  
 63 21.4 0.0 46.4  
 88 17.6 0.0 32.2





#35

Dibromofluoromethane

Concen: 51.442 ug/l

RT: 7.90 min Scan# 983

Delta R.T. 0.01 min

Lab File: VW010784.D

Acq: 12 Jun 2019 18:03

Instrument :

MSVOA\_W

ClientSampleId :

B-02-2.5-3.0

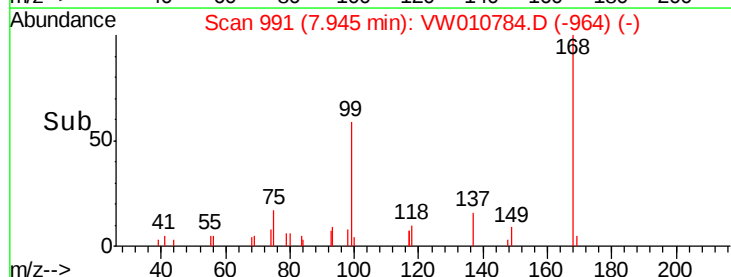
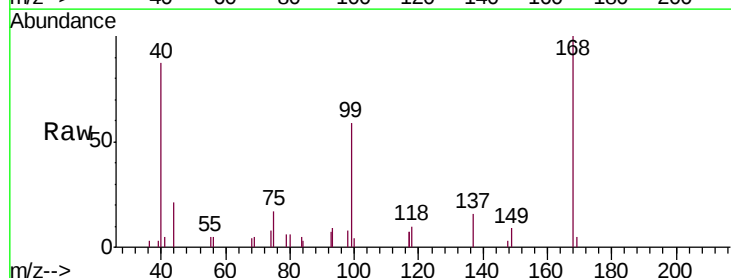
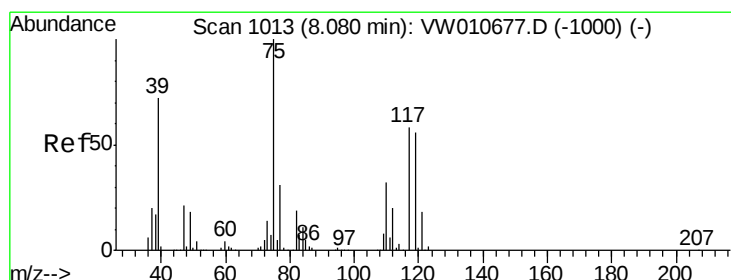
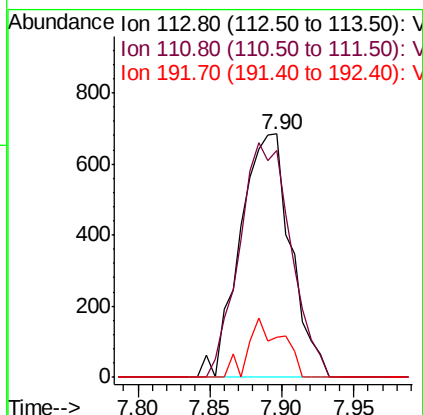
Tgt Ion:113 Resp: 1670

Ion Ratio Lower Upper

113 100

111 97.7 82.6 123.8

192 16.2 16.4 24.6#



#36

1,1-Dichloropropene

Concen: 7.955 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW010784.D

Acq: 12 Jun 2019 18:03

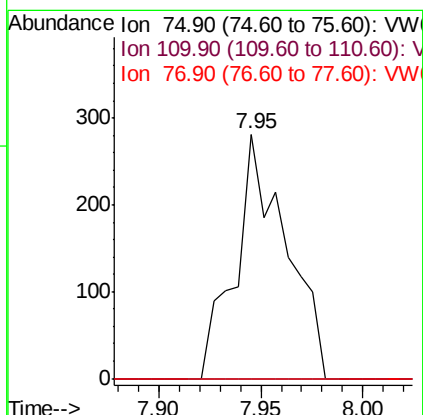
Tgt Ion: 75 Resp: 487

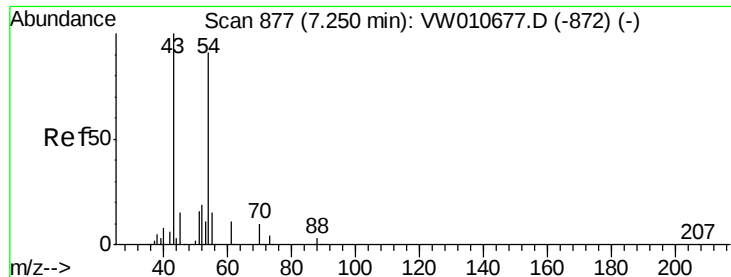
Ion Ratio Lower Upper

75 100

110 0.0 15.8 47.3#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 2.211 ug/l

RT: 7.26 min Scan# 879

Delta R.T. 0.01 min

Lab File: VW010784.D

Acq: 12 Jun 2019 18:03

Instrument :

MSVOA\_W

ClientSampleId :

B-02-2.5-3.0

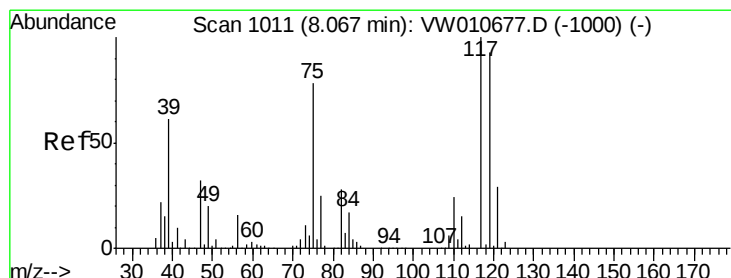
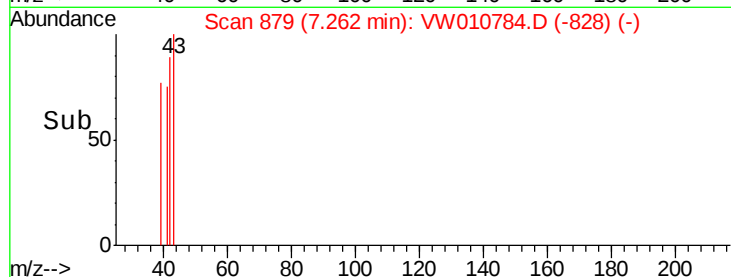
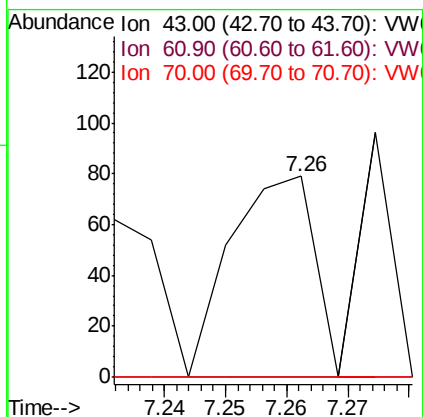
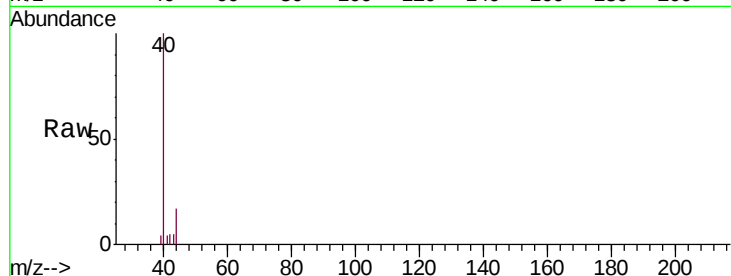
Tgt Ion: 43 Resp: 75

Ion Ratio Lower Upper

43 100

61 0.0 9.7 14.5#

70 0.0 7.2 10.8#



#38

Carbon Tetrachloride

Concen: 7.247 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW010784.D

Acq: 12 Jun 2019 18:03

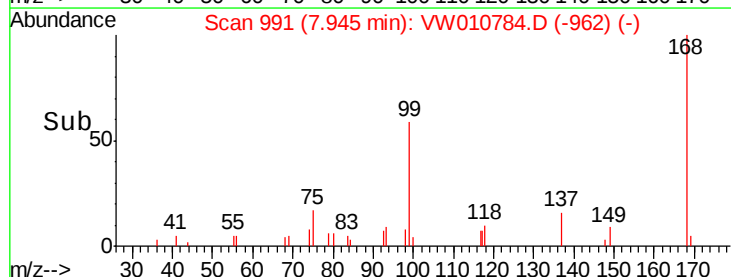
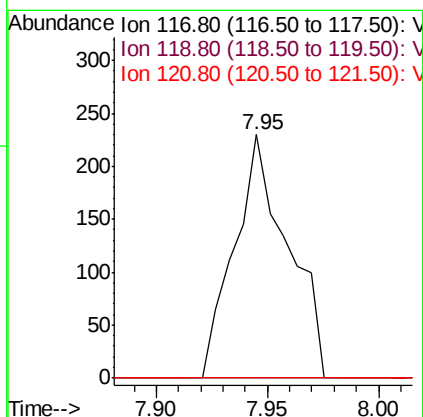
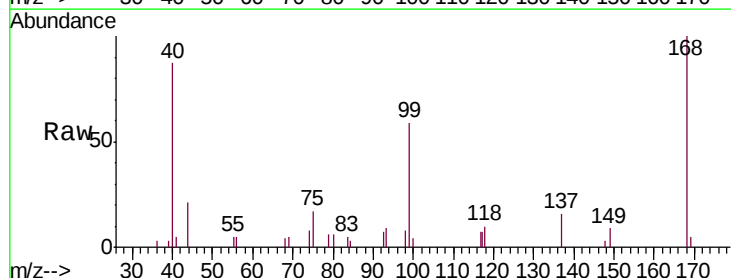
Tgt Ion: 117 Resp: 383

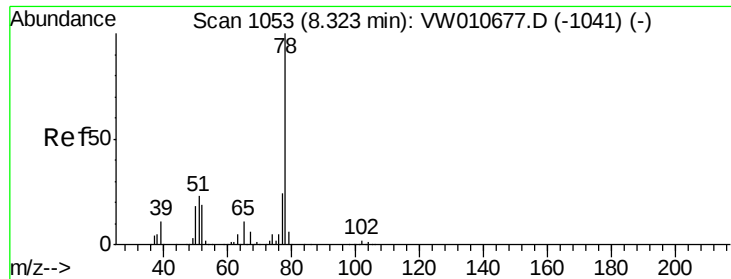
Ion Ratio Lower Upper

117 100

119 0.0 74.2 111.4#

121 0.0 22.9 34.3#





#40

Benzene

Concen: 4.059 ug/l

RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VW010784.D

Acq: 12 Jun 2019 18:03

Instrument :

MSVOA\_W

ClientSampleId :

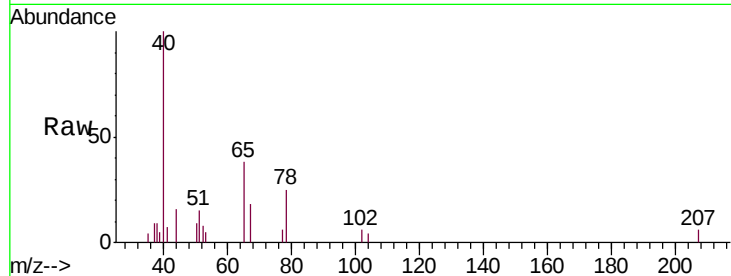
B-02-2.5-3.0

Tgt Ion: 78 Resp: 678

Ion Ratio Lower Upper

78 100

77 24.9 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW

8.33

300

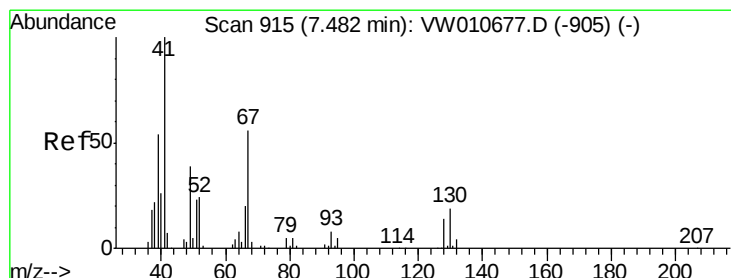
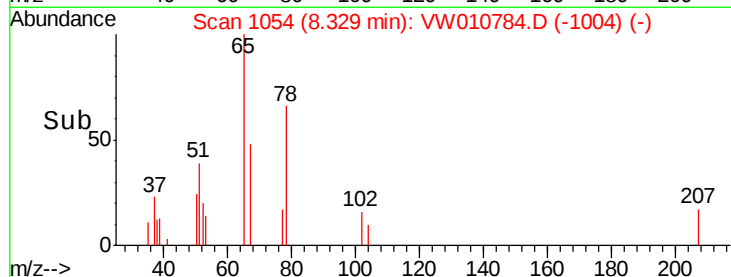
200

100

0

8.30 8.35

Time-->



#41

Methacrylonitrile

Concen: 1.289 ug/l

RT: 7.49 min Scan# 917

Delta R.T. 0.01 min

Lab File: VW010784.D

Acq: 12 Jun 2019 18:03

Tgt Ion: 41 Resp: 26

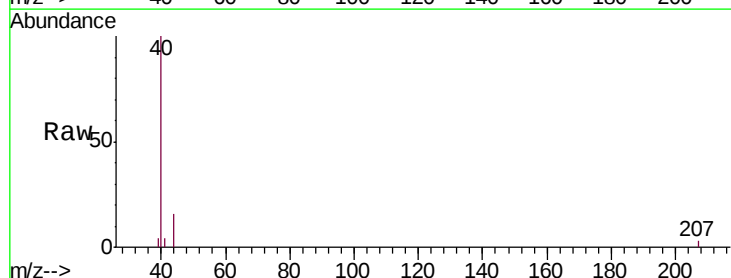
Ion Ratio Lower Upper

41 100

39 326.9 47.3 70.9#

67 0.0 47.2 70.8#

52 0.0 21.3 31.9#



Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW

7.49

120

100

80

60

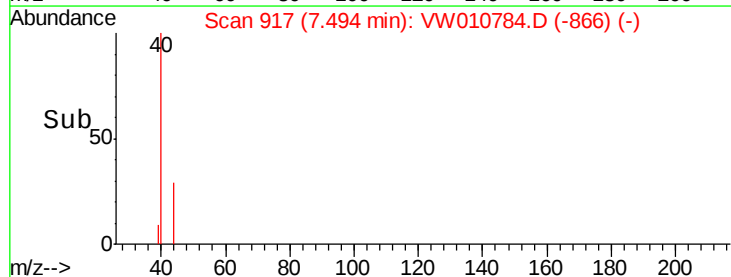
40

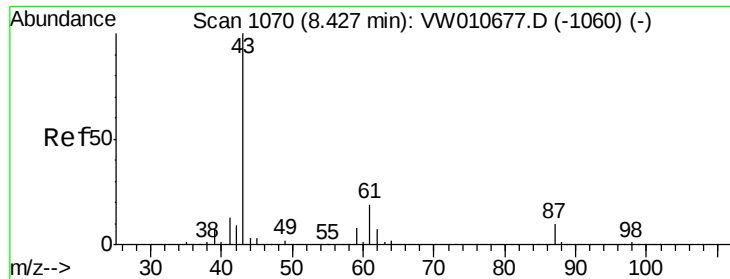
20

0

7.47 7.48 7.49 7.50 7.51

Time-->





#43

Isopropyl Acetate

Concen: 1.297 ug/l

RT: 8.45 min Scan# 1074

Delta R.T. 0.02 min

Lab File: VW010784.D

Acq: 12 Jun 2019 18:03

Instrument :

MSVOA\_W

ClientSampleId :

B-02-2.5-3.0

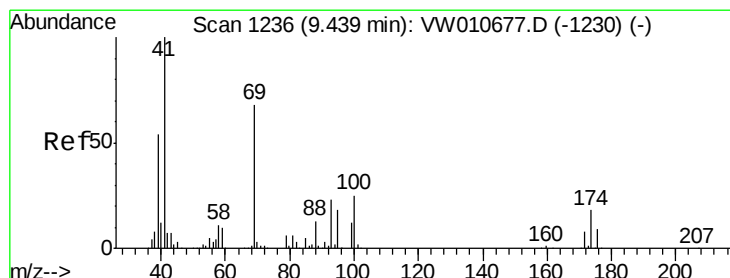
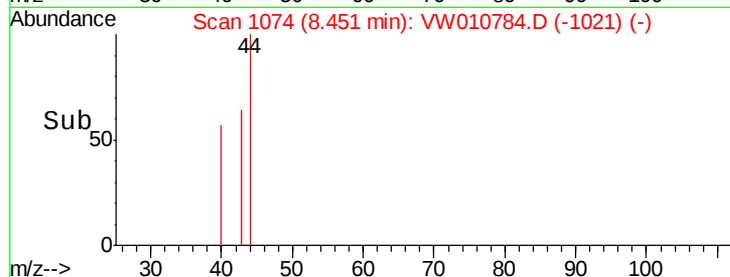
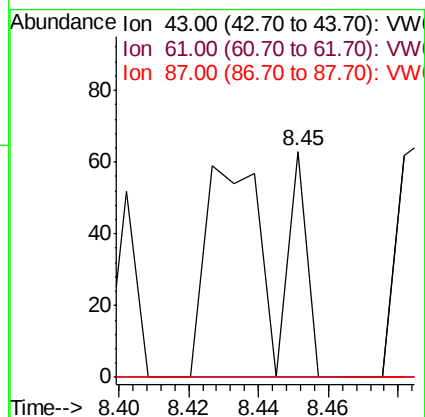
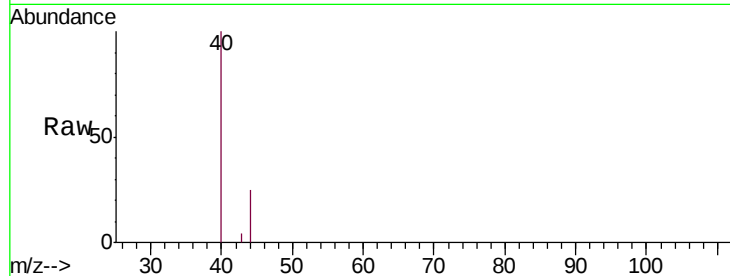
Tgt Ion: 43 Resp: 85

Ion Ratio Lower Upper

43 100

61 0.0 21.2 31.8#

87 0.0 8.3 12.5#



#48

Methyl methacrylate

Concen: 1.487 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW010784.D

Acq: 12 Jun 2019 18:03

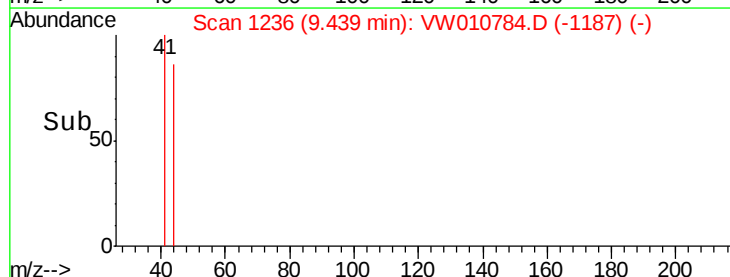
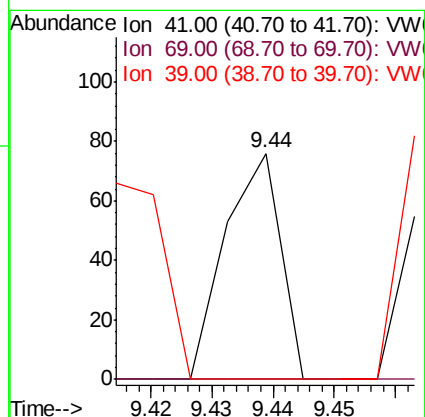
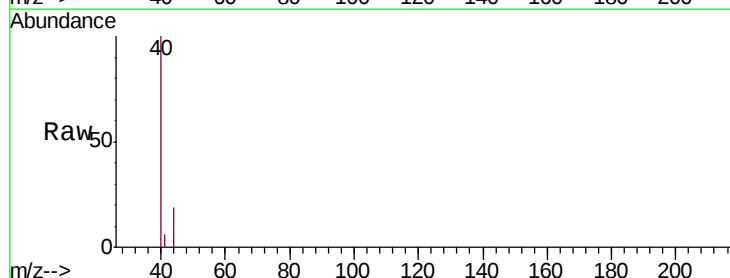
Tgt Ion: 41 Resp: 47

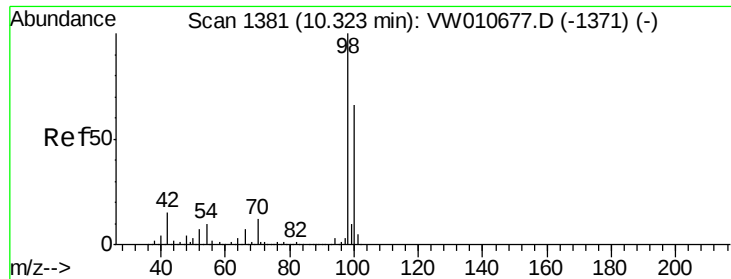
Ion Ratio Lower Upper

41 100

69 0.0 56.6 85.0#

39 0.0 44.4 66.6#





#50

Toluene-d8

Concen: 46.559 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VW010784.D

Acq: 12 Jun 2019 18:03

Instrument :

MSVOA\_W

ClientSampleId :

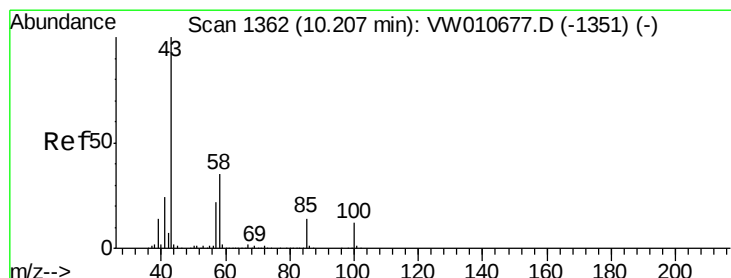
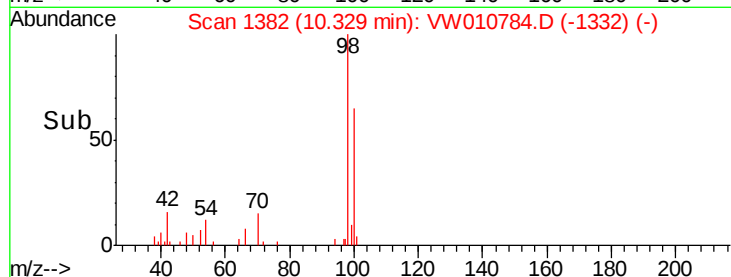
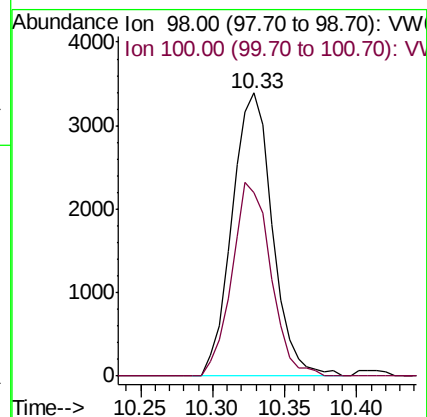
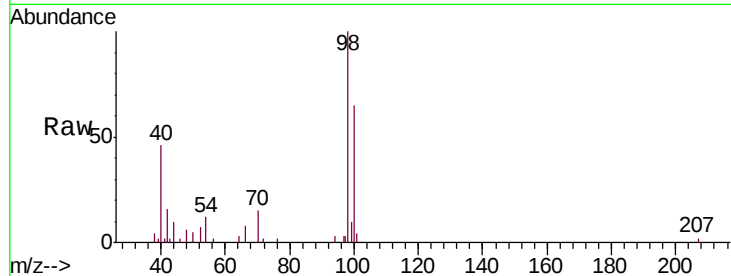
B-02-2.5-3.0

Tgt Ion: 98 Resp: 6628

Ion Ratio Lower Upper

98 100

100 65.8 53.0 79.6



#51

4-Methyl-2-Pentanone

Concen: 2.509 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010784.D

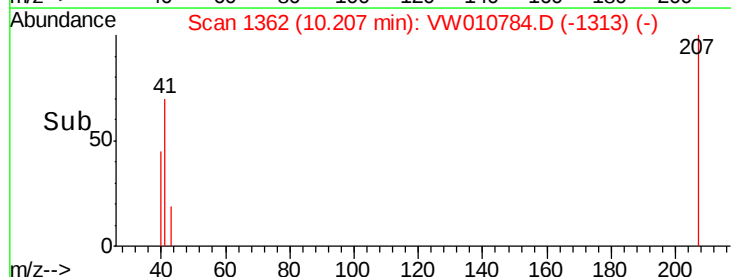
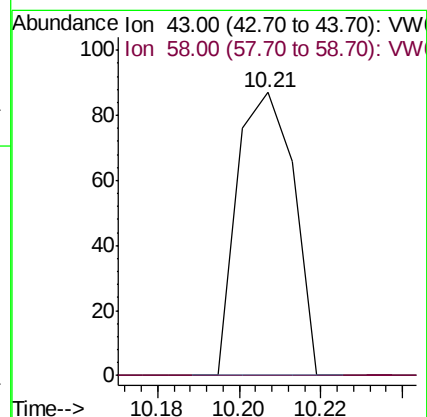
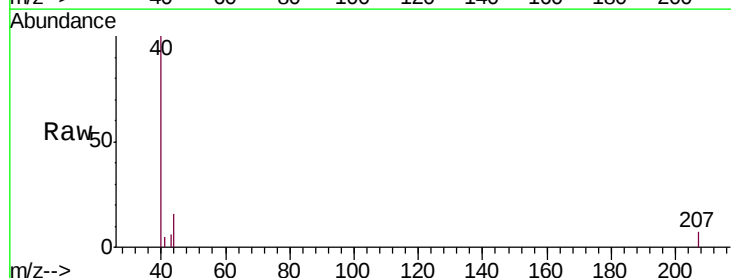
Acq: 12 Jun 2019 18:03

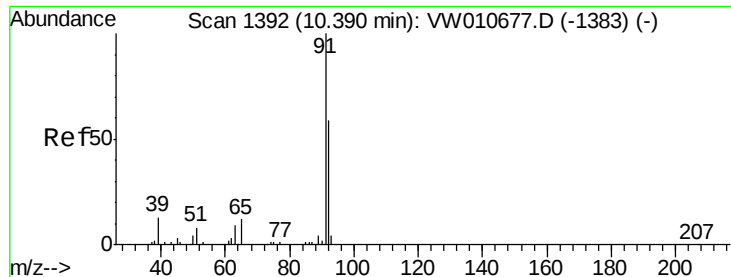
Tgt Ion: 43 Resp: 84

Ion Ratio Lower Upper

43 100

58 0.0 28.4 42.6#





#52

Toluene

Concen: 1.664 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010784.D

Acq: 12 Jun 2019 18:03

Instrument :

MSVOA\_W

ClientSampleId :

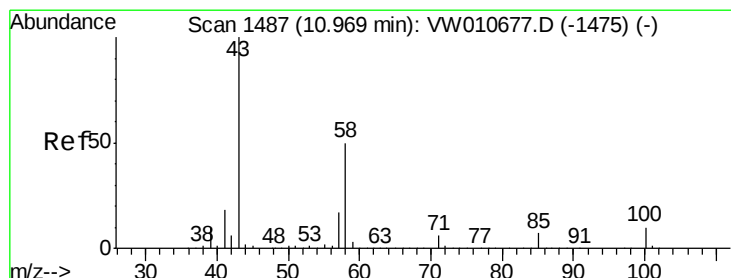
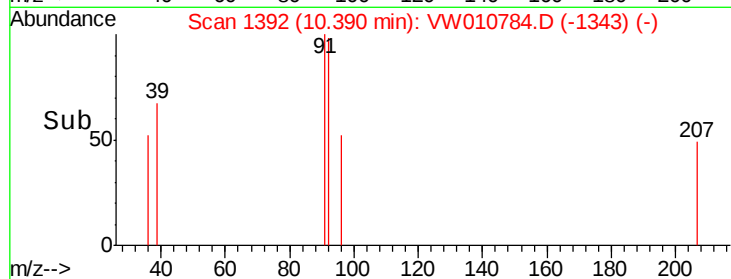
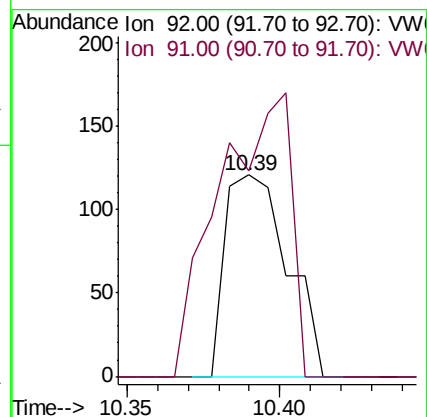
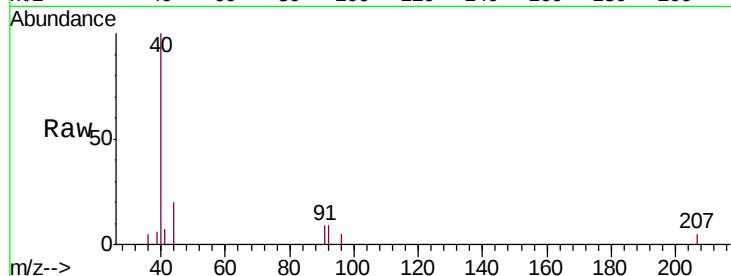
B-02-2.5-3.0

Tgt Ion: 92 Resp: 171

Ion Ratio Lower Upper

92 100

91 162.0 134.9 202.3



#59

2-Hexanone

Concen: 2.934 ug/l

RT: 10.96 min Scan# 1485

Delta R.T. -0.01 min

Lab File: VW010784.D

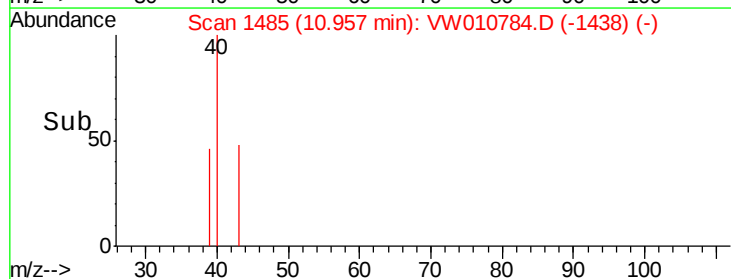
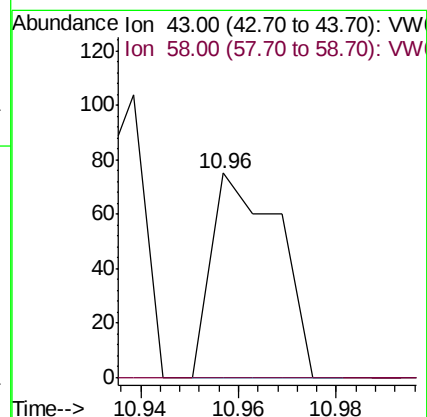
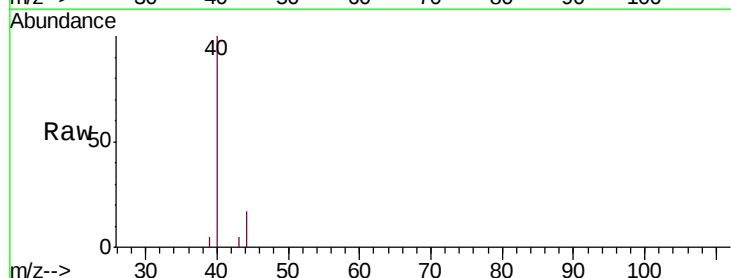
Acq: 12 Jun 2019 18:03

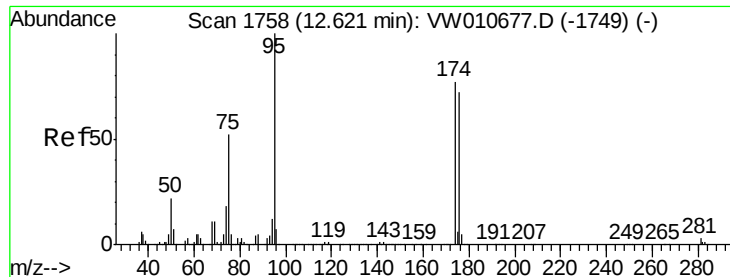
Tgt Ion: 43 Resp: 71

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

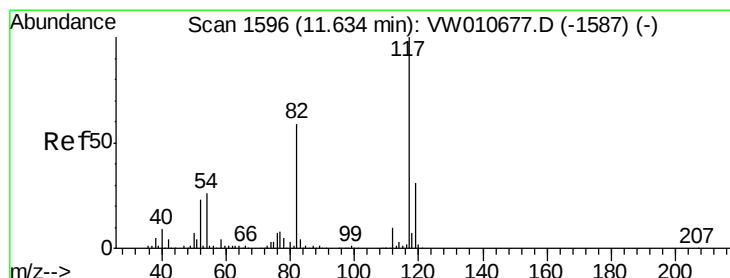
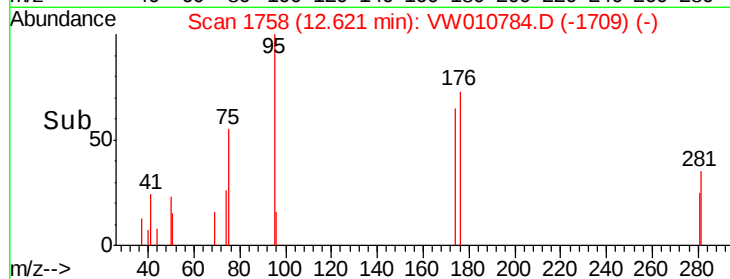
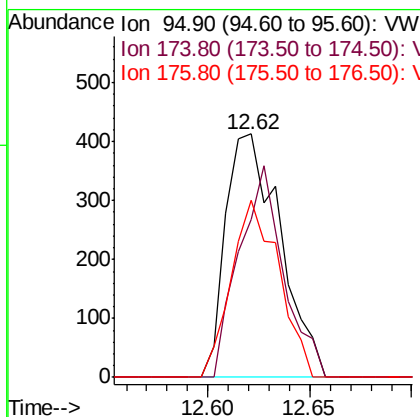
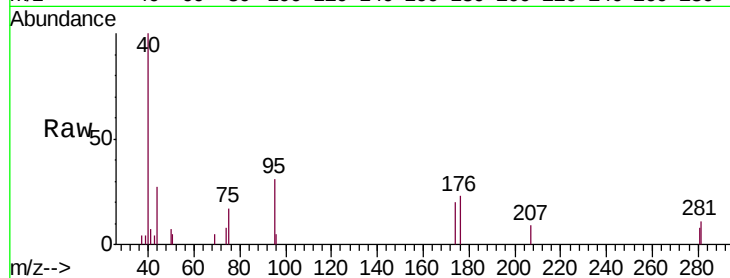




#62  
4-Bromofluorobenzene  
Concen: 14.787 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. -0.00 min  
Lab File: VW010784.D  
Acq: 12 Jun 2019 18:03

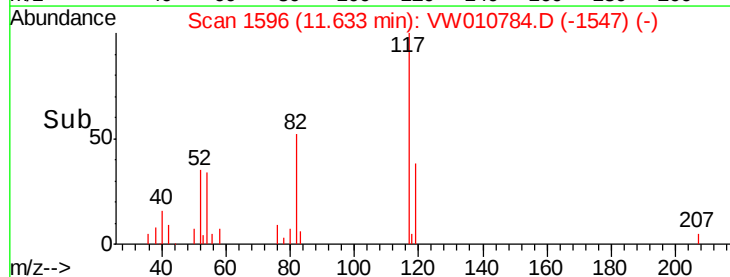
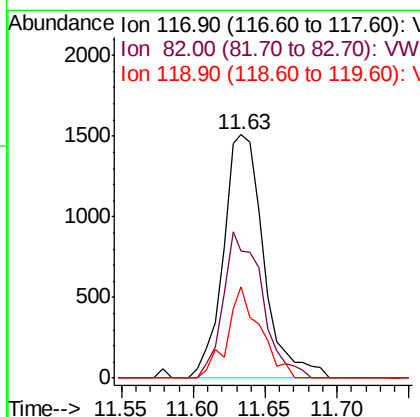
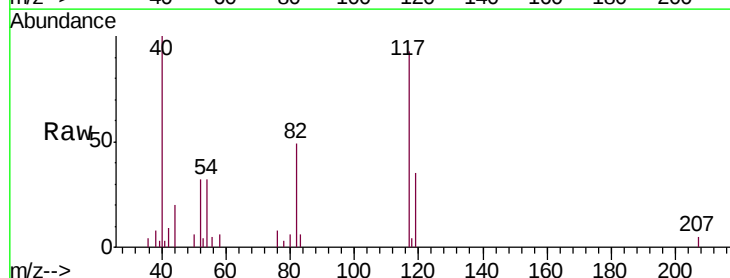
Instrument :  
MSVOA\_W  
ClientSampleId :  
B-02-2.5-3.0

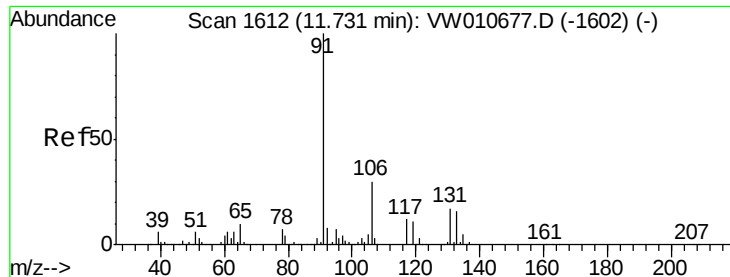
Tgt Ion: 95 Resp: 766  
Ion Ratio Lower Upper  
95 100  
174 70.9 0.0 150.4  
176 63.6 0.0 144.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW010784.D  
Acq: 12 Jun 2019 18:03

Tgt Ion: 117 Resp: 2959  
Ion Ratio Lower Upper  
117 100  
82 52.5 47.0 70.4  
119 37.5 25.1 37.7

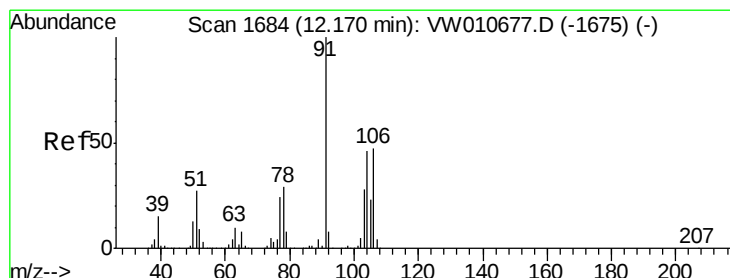
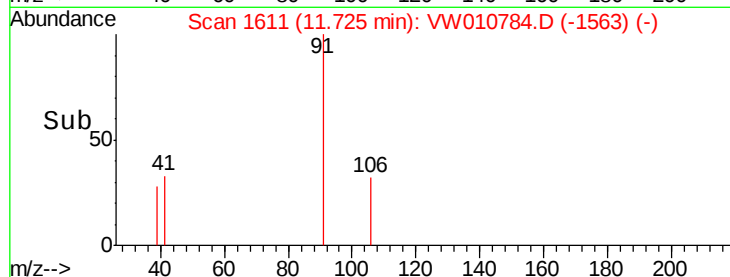
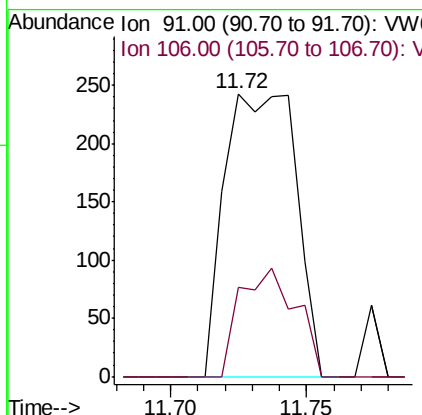
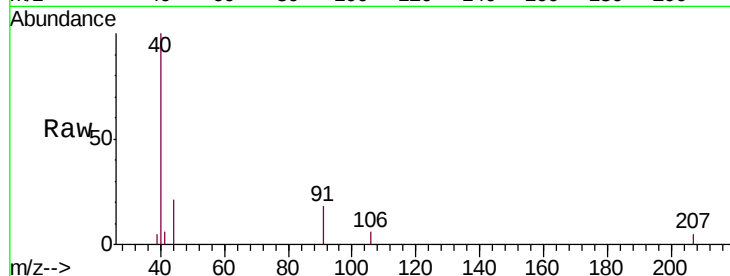




#67  
Ethyl Benzene  
Concen: 3.952 ug/l  
RT: 11.72 min Scan# 1611  
Delta R.T. -0.01 min  
Lab File: VW010784.D  
Acq: 12 Jun 2019 18:03

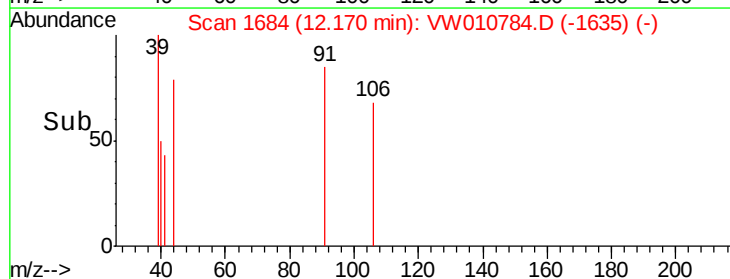
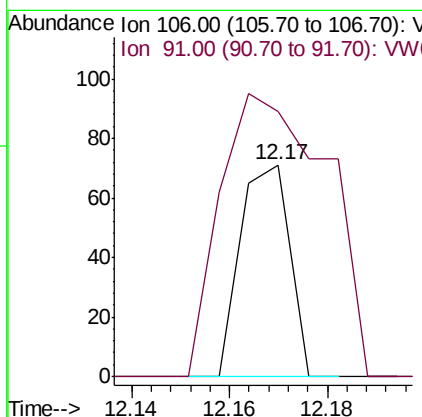
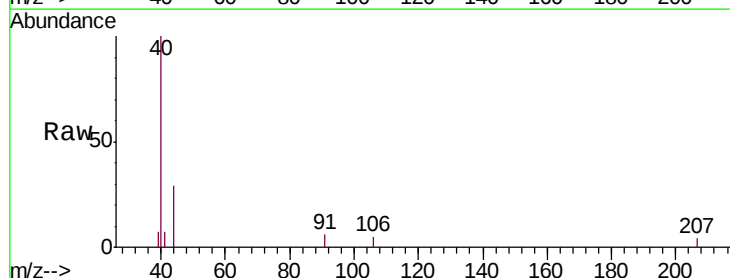
Instrument :  
MSVOA\_W  
ClientSampleId :  
B-02-2.5-3.0

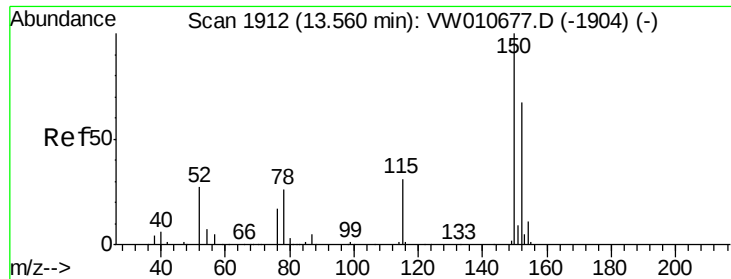
Tgt Ion: 91 Resp: 442  
Ion Ratio Lower Upper  
91 100  
106 31.7 24.2 36.4



#69  
o-Xylene  
Concen: 1.317 ug/l  
RT: 12.17 min Scan# 1684  
Delta R.T. -0.00 min  
Lab File: VW010784.D  
Acq: 12 Jun 2019 18:03

Tgt Ion: 106 Resp: 50  
Ion Ratio Lower Upper  
106 100  
91 286.0 108.9 326.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010784.D

Acq: 12 Jun 2019 18:03

Instrument :

MSVOA\_W

ClientSampled :

B-02-2.5-3.0

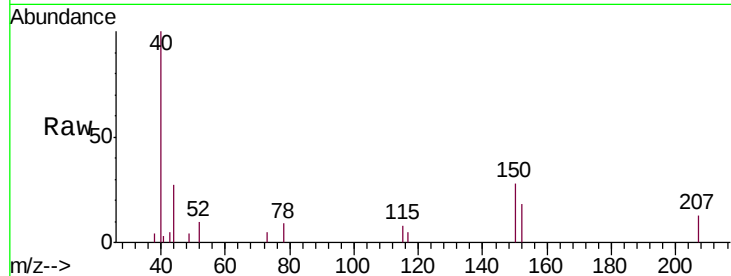
Tgt Ion:152 Resp: 457

Ion Ratio Lower Upper

152 100

115 57.1 29.8 89.3

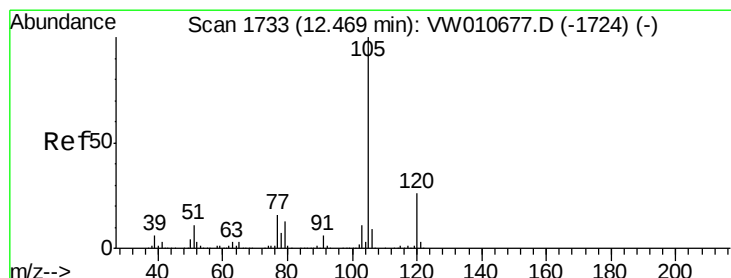
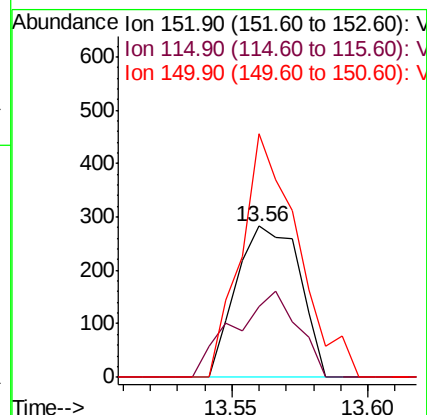
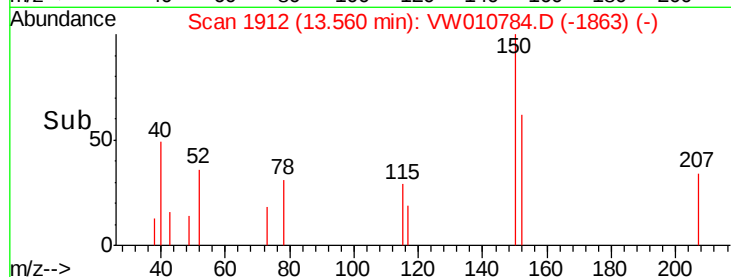
150 144.6 0.0 345.0



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: 7.920 ug/l

RT: 12.47 min Scan# 1734

Delta R.T. 0.01 min

Lab File: VW010784.D

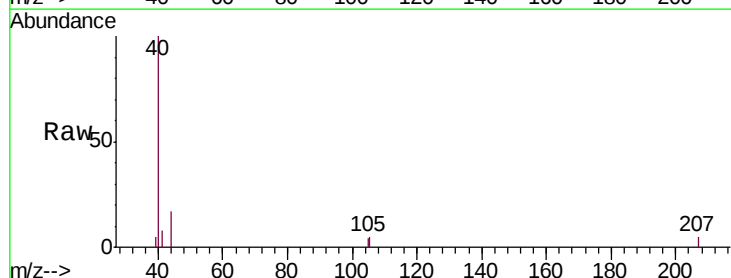
Acq: 12 Jun 2019 18:03

Tgt Ion:105 Resp: 272

Ion Ratio Lower Upper

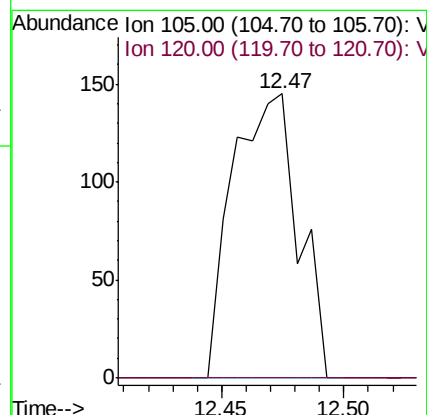
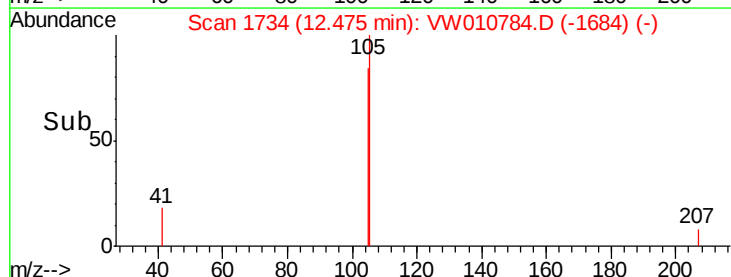
105 100

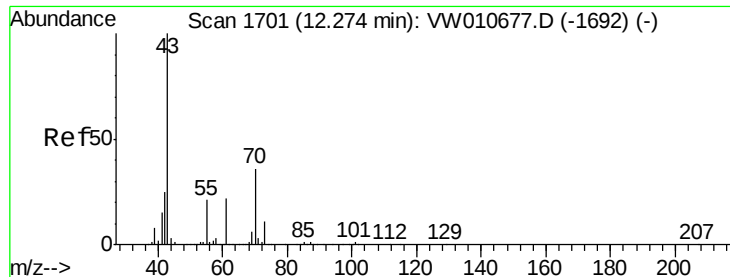
120 0.0 13.1 39.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

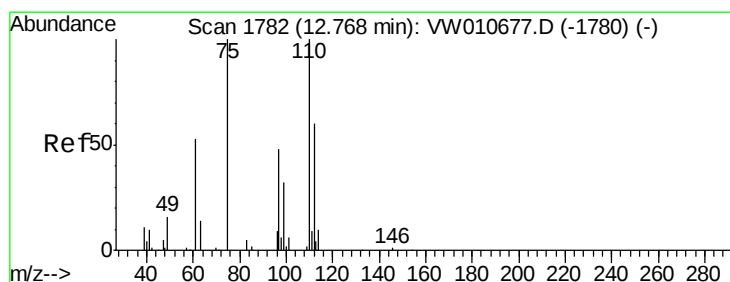
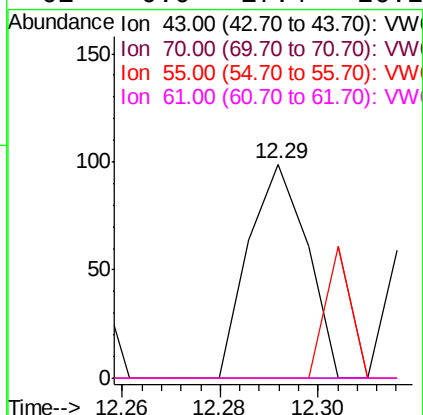
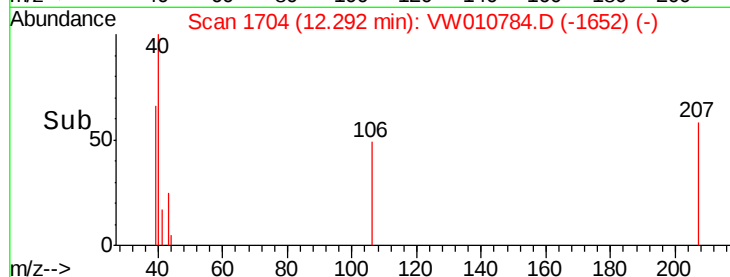
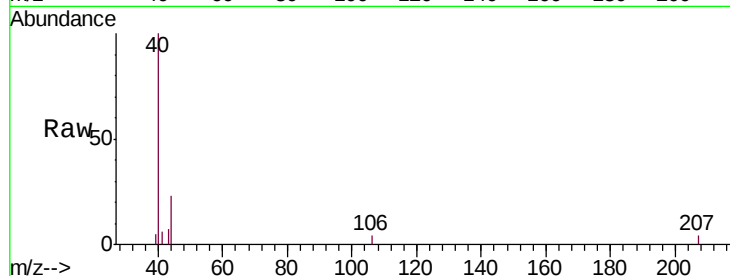




#74  
N-ethyl acetate  
Concen: 7.388 ug/l  
RT: 12.29 min Scan# 1704  
Delta R.T. 0.02 min  
Lab File: VW010784.D  
Acq: 12 Jun 2019 18:03

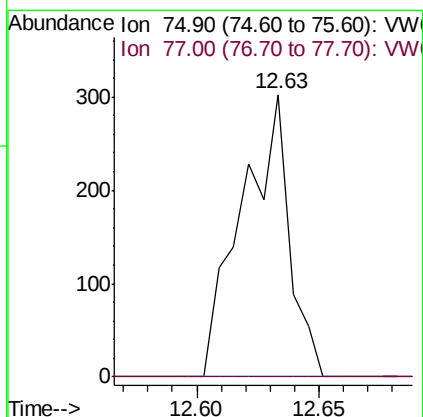
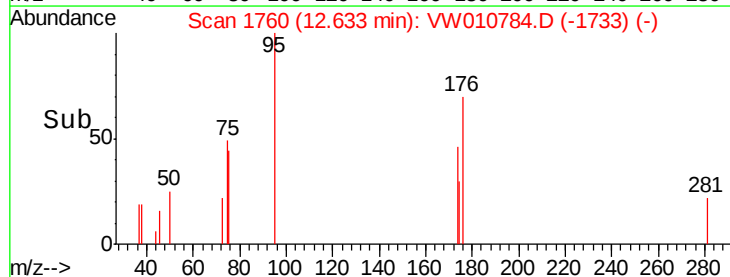
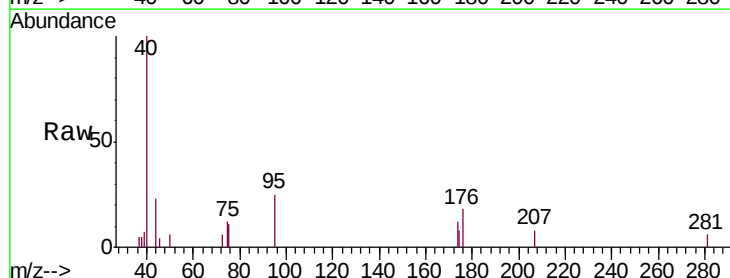
Instrument :  
MSVOA\_W  
ClientSampled :  
B-02-2.5-3.0

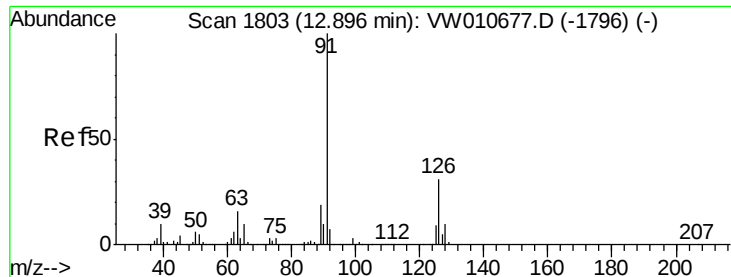
Tgt Ion: 43 Resp: 82  
Ion Ratio Lower Upper  
43 100  
70 0.0 29.2 43.8#  
55 26.8 17.5 26.3#  
61 0.0 17.4 26.2#



#76  
1,2,3-Trichloropropane  
Concen: 85.432 ug/l  
RT: 12.63 min Scan# 1760  
Delta R.T. -0.13 min  
Lab File: VW010784.D  
Acq: 12 Jun 2019 18:03

Tgt Ion: 75 Resp: 410  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0

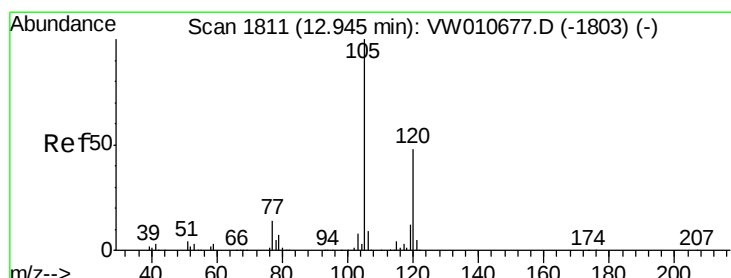
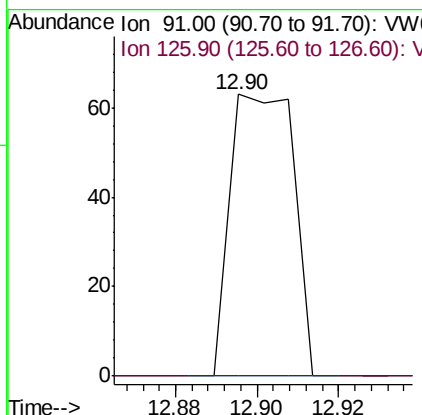
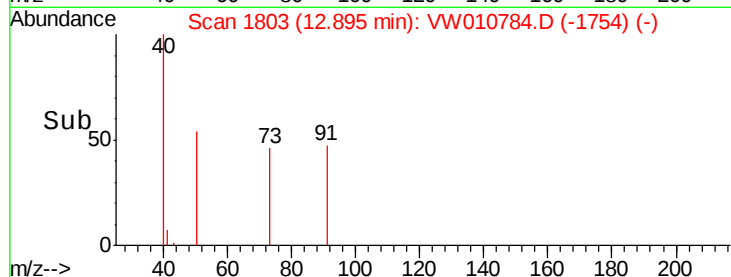
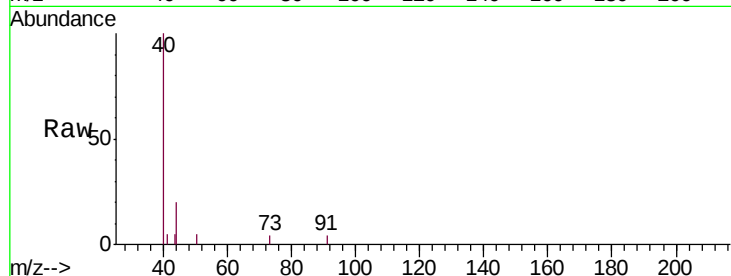




#79  
2-Chlorotoluene  
Concen: 2.874 ug/l  
RT: 12.90 min Scan# 1803  
Delta R.T. -0.00 min  
Lab File: VW010784.D  
Acq: 12 Jun 2019 18:03

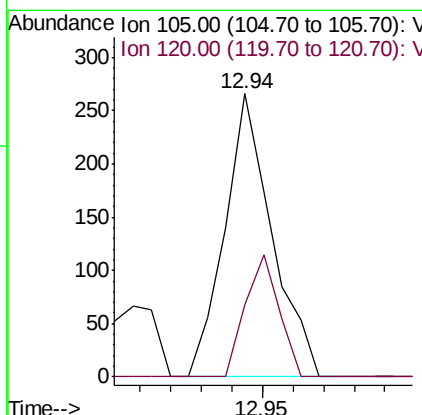
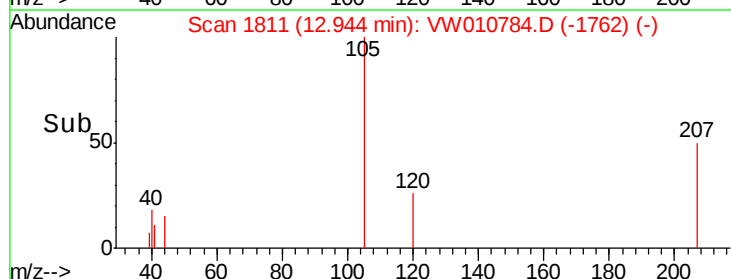
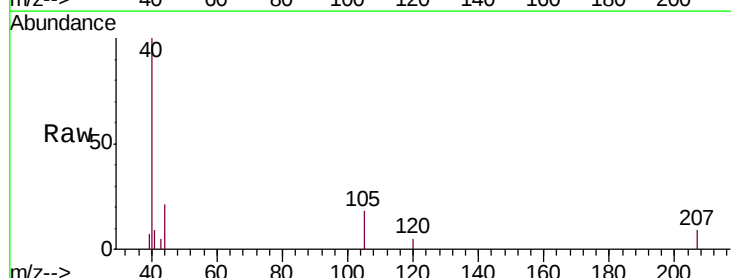
Instrument :  
MSVOA\_W  
ClientSampled :  
B-02-2.5-3.0

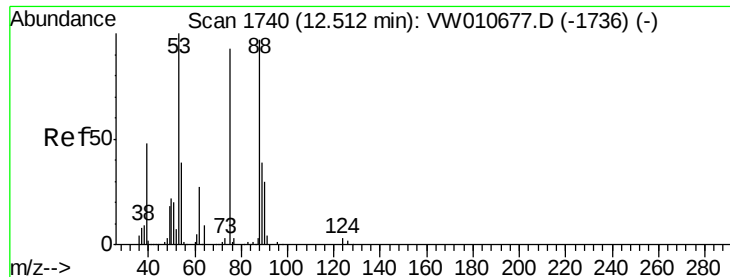
Tgt Ion: 91 Resp: 68  
Ion Ratio Lower Upper  
91 100  
126 0.0 15.7 47.0#



#80  
1,3,5-Trimethylbenzene  
Concen: 10.068 ug/l  
RT: 12.94 min Scan# 1811  
Delta R.T. -0.00 min  
Lab File: VW010784.D  
Acq: 12 Jun 2019 18:03

Tgt Ion: 105 Resp: 283  
Ion Ratio Lower Upper  
105 100  
120 30.7 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 196.351 ug/l

RT: 12.63 min Scan# 1760

Delta R.T. 0.12 min

Lab File: VW010784.D

Acq: 12 Jun 2019 18:03

Instrument :

MSVOA\_W

ClientSampleId :

B-02-2.5-3.0

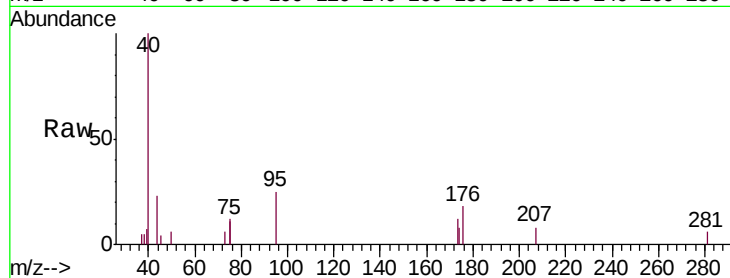
Tgt Ion: 75 Resp: 410

Ion Ratio Lower Upper

75 100

53 0.0 90.1 135.1#

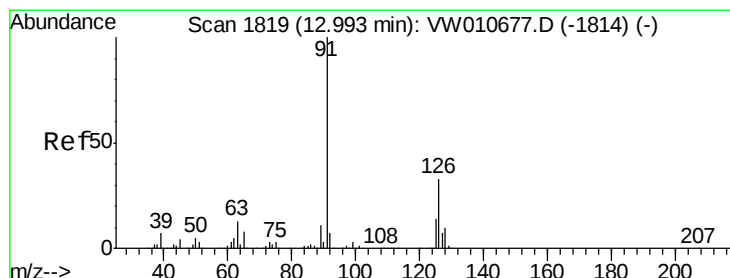
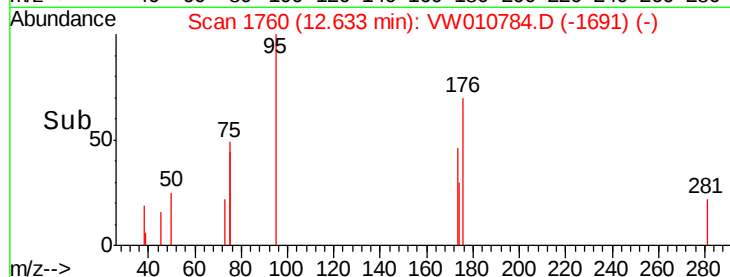
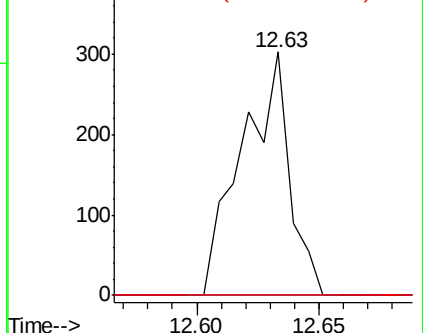
89 0.0 34.6 52.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 1.966 ug/l

RT: 12.98 min Scan# 1817

Delta R.T. -0.01 min

Lab File: VW010784.D

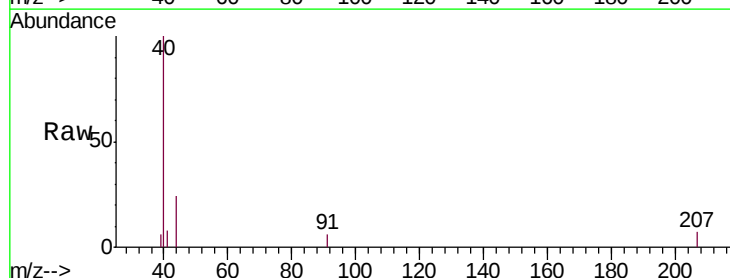
Acq: 12 Jun 2019 18:03

Tgt Ion: 91 Resp: 48

Ion Ratio Lower Upper

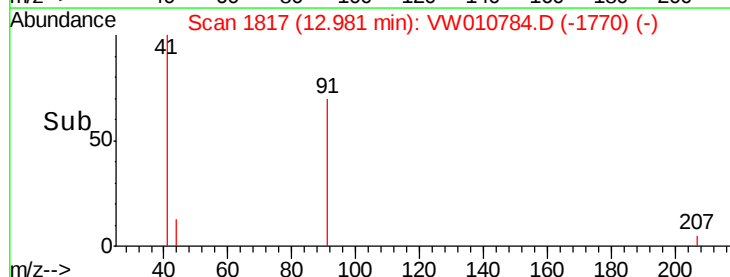
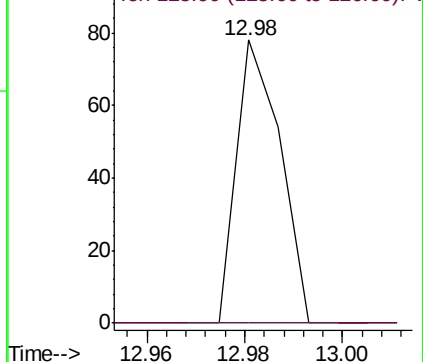
91 100

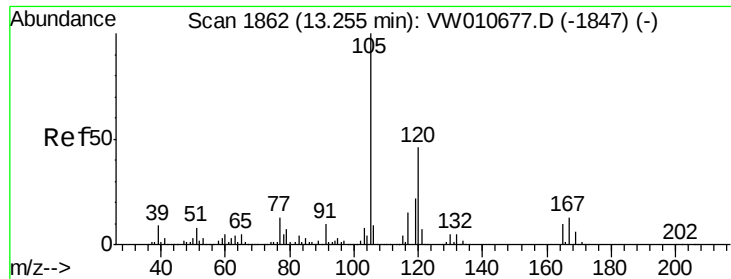
126 0.0 15.9 47.7#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

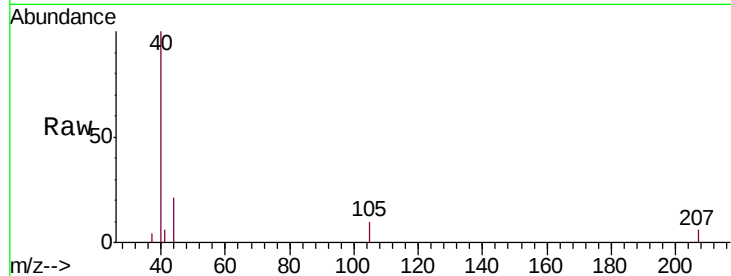




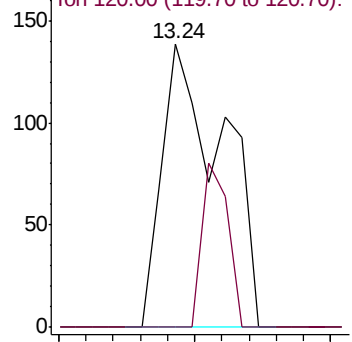
#84  
 1,2,4-Trimethylbenzene  
 Concen: 7.530 ug/l  
 RT: 13.24 min Scan# 1860  
 Delta R.T. -0.01 min  
 Lab File: VW010784.D  
 Acq: 12 Jun 2019 18:03

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 B-02-2.5-3.0

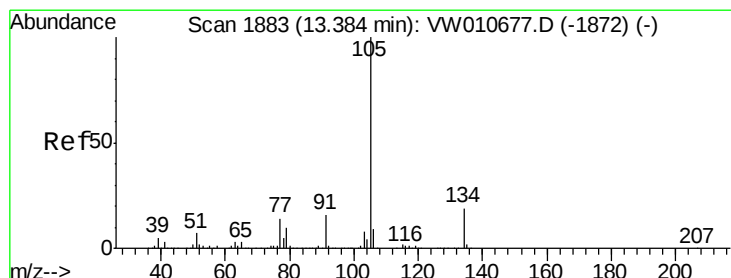
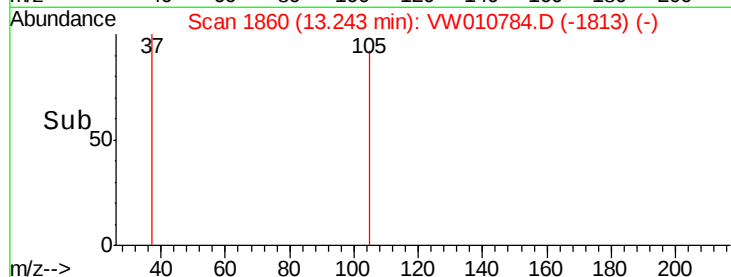
Tgt Ion:105 Resp: 213  
 Ion Ratio Lower Upper  
 105 100  
 120 24.9 22.5 67.5



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

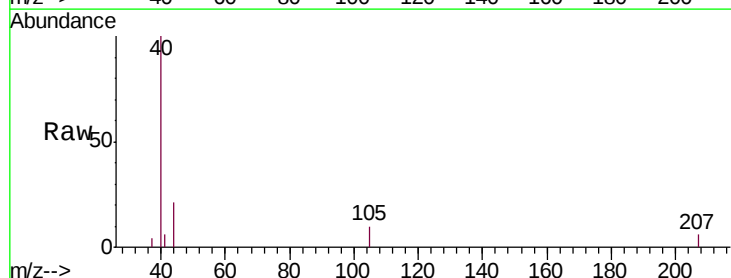


Time--> 13.20 13.25

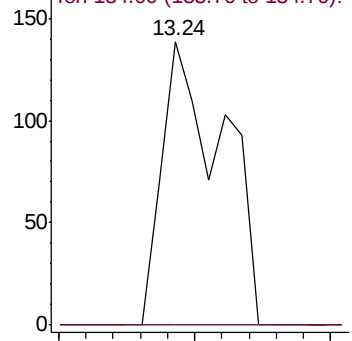


#85  
 sec-Butylbenzene  
 Concen: 6.132 ug/l  
 RT: 13.24 min Scan# 1860  
 Delta R.T. -0.14 min  
 Lab File: VW010784.D  
 Acq: 12 Jun 2019 18:03

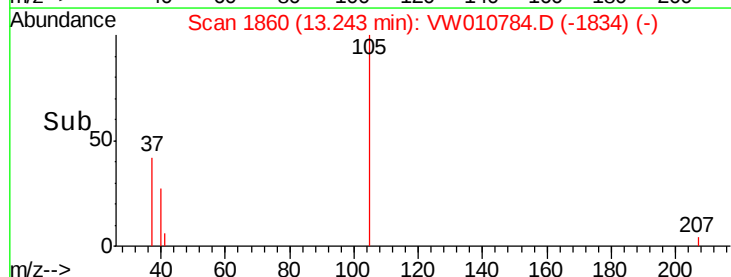
Tgt Ion:105 Resp: 213  
 Ion Ratio Lower Upper  
 105 100  
 134 0.0 9.7 28.9#

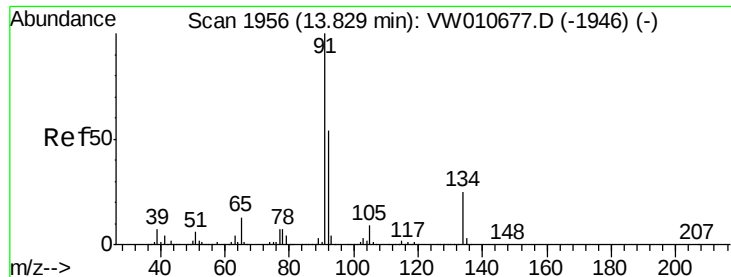


Abundance Ion 105.00 (104.70 to 105.70): V  
 Ion 134.00 (133.70 to 134.70): V



Time--> 13.20 13.25





#89

n-Butylbenzene

Concen: 2.581 ug/l

RT: 13.77 min Scan# 1947

Delta R.T. -0.06 min

Lab File: VW010784.D

Acq: 12 Jun 2019 18:03

Instrument :

MSVOA\_W

ClientSampleId :

B-02-2.5-3.0

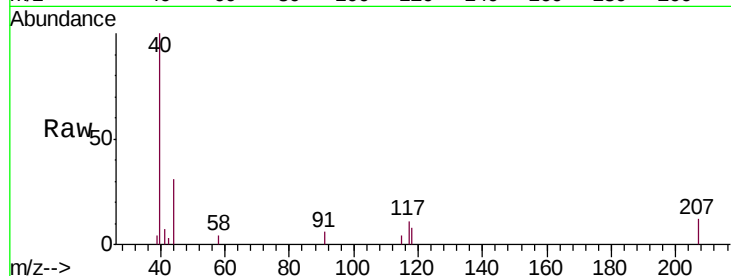
Tgt Ion: 91 Resp: 80

Ion Ratio Lower Upper

91 100

92 0.0 27.3 81.8#

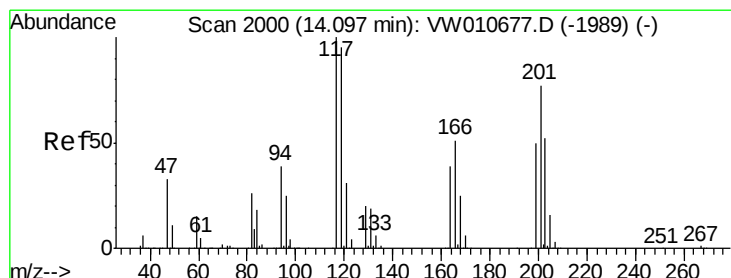
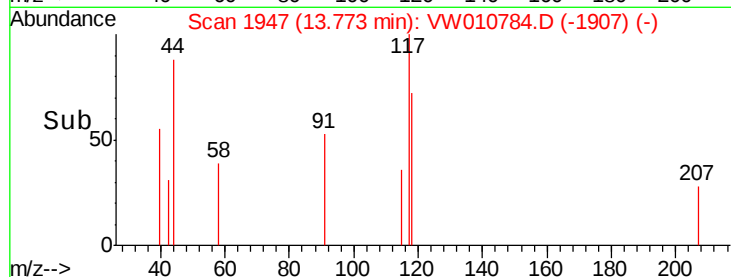
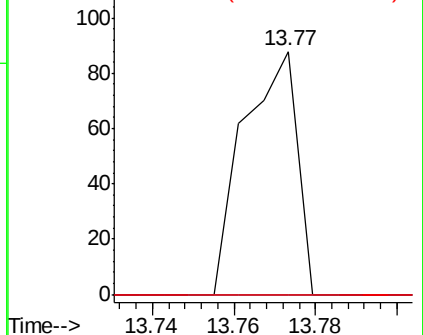
134 0.0 12.3 36.9#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 17.438 ug/l

RT: 14.22 min Scan# 2020

Delta R.T. 0.12 min

Lab File: VW010784.D

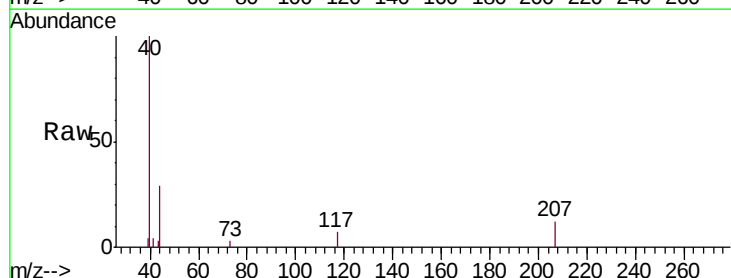
Acq: 12 Jun 2019 18:03

Tgt Ion: 117 Resp: 97

Ion Ratio Lower Upper

117 100

201 0.0 38.8 116.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

