

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW101218\  
 Data File : VW006022.D  
 Acq On : 11 Oct 2018 10:26  
 Operator : VA/AP  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BFB

Quant Time: Oct 11 15:45:53 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W100818S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 09 02:14:04 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 247874   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 354878   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 322521   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 190695   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 8.31   | 65  | 108592   | 45.13 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 90.26% |      |
| 35) Dibromofluoromethane  | 7.88   | 113 | 109864   | 48.49 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.98% |      |
| 50) Toluene-d8            | 10.32  | 98  | 427472   | 49.04 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.08% |      |
| 62) 4-Bromofluorobenzene  | 12.62  | 95  | 163090   | 49.17 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.34% |      |

## Target Compounds

|                               |      |     |        |        |        | Qvalue |
|-------------------------------|------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 2.01 | 85  | 63124  | 51.97  | ug/l   | 97     |
| 3) Chloromethane              | 2.21 | 50  | 82835  | 57.98  | ug/l   | 99     |
| 4) Vinyl Chloride             | 2.37 | 62  | 124946 | 55.08  | ug/l   | 98     |
| 5) Bromomethane               | 2.78 | 94  | 110012 | 61.45  | ug/l   | 98     |
| 6) Chloroethane               | 2.93 | 64  | 84396  | 58.40  | ug/l   | 99     |
| 7) Trichlorofluoromethane     | 3.26 | 101 | 101031 | 56.11  | ug/l   | 98     |
| 8) Diethyl Ether              | 3.68 | 74  | 55818  | 50.37  | ug/l   | 97     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.06 | 101 | 116643 | 51.33  | ug/l   | 98     |
| 10) Methyl Iodide             | 4.26 | 142 | 187484 | 50.45  | ug/l   | 100    |
| 11) Tert butyl alcohol        | 5.21 | 59  | 34512  | 195.70 | ug/l # | 87     |
| 12) 1,1-Dichloroethene        | 4.03 | 96  | 110367 | 50.58  | ug/l   | 95     |
| 13) Acrolein                  | 3.89 | 56  | 34688  | 220.72 | ug/l   | 96     |
| 14) Allyl chloride            | 4.66 | 41  | 156932 | 42.17  | ug/l   | 96     |
| 15) Acrylonitrile             | 5.37 | 53  | 107399 | 222.70 | ug/l   | 99     |
| 16) Acetone                   | 4.14 | 43  | 115207 | 239.69 | ug/l   | 99     |
| 17) Carbon Disulfide          | 4.37 | 76  | 309492 | 46.91  | ug/l   | 100    |
| 18) Methyl Acetate            | 4.67 | 43  | 55354  | 45.64  | ug/l   | 97     |
| 19) Methyl tert-butyl Ether   | 5.43 | 73  | 159285 | 46.92  | ug/l   | 97     |
| 20) Methylene Chloride        | 4.92 | 84  | 112221 | 46.60  | ug/l   | 94     |
| 21) trans-1,2-Dichloroethene  | 5.42 | 96  | 122223 | 51.39  | ug/l   | 99     |
| 22) Diisopropyl ether         | 6.31 | 45  | 311218 | 44.74  | ug/l   | 98     |
| 23) Vinyl Acetate             | 6.26 | 43  | 931964 | 217.68 | ug/l   | 98     |
| 24) 1,1-Dichloroethane        | 6.21 | 63  | 203640 | 47.84  | ug/l   | 100    |
| 25) 2-Butanone                | 7.18 | 43  | 154078 | 225.38 | ug/l   | 95     |
| 26) 2,2-Dichloropropane       | 7.17 | 77  | 133328 | 44.50  | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene    | 7.17 | 96  | 136068 | 50.59  | ug/l   | 95     |
| 28) Bromochloromethane        | 7.51 | 49  | 67356  | 42.87  | ug/l   | 91     |
| 29) Tetrahydrofuran           | 7.53 | 42  | 90845  | 210.22 | ug/l   | 95     |
| 30) Chloroform                | 7.68 | 83  | 218252 | 49.91  | ug/l   | 100    |
| 31) Cyclohexane               | 7.95 | 56  | 187321 | 44.47  | ug/l   | 99     |
| 32) 1,1,1-Trichloroethane     | 7.87 | 97  | 187452 | 48.14  | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 8.08 | 75  | 175884 | 51.72  | ug/l   | 99     |
| 37) Ethyl Acetate             | 7.26 | 43  | 62959  | 43.72  | ug/l   | 98     |
| 38) Carbon Tetrachloride      | 8.07 | 117 | 183578 | 50.25  | ug/l   | 99     |

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 ALS Vial : 2 Sample Multiplier: 1

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 MSVOA\_W  
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 BFB

Quant Time: Oct 11 15:45:53 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W100818S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 09 02:14:04 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.34  | 83   | 233635   | 52.09   | ug/l   | 96       |
| 40) Benzene                    | 8.32  | 78   | 480487   | 51.63   | ug/l   | 98       |
| 41) Methacrylonitrile          | 7.49  | 41   | 38473    | 42.68   | ug/l   | 95       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 139648   | 49.67   | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.43  | 43   | 133481   | 44.37   | ug/l   | 97       |
| 44) Trichloroethene            | 9.09  | 130  | 146958   | 54.42   | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 115066   | 49.39   | ug/l   | 98       |
| 46) Dibromomethane             | 9.46  | 93   | 66188    | 51.69   | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.65  | 83   | 159134   | 49.39   | ug/l   | 96       |
| 48) Methyl methacrylate        | 9.44  | 41   | 63244    | 44.14   | ug/l   | 95       |
| 49) 1,4-Dioxane                | 9.47  | 88   | 20159    | 1036.55 | ug/l # | 94       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 332487   | 226.99  | ug/l   | 98       |
| 52) Toluene                    | 10.39 | 92   | 319651   | 52.28   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.61 | 75   | 160529   | 47.68   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 10.07 | 75   | 184141   | 48.65   | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 91462    | 51.57   | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 115077   | 48.15   | ug/l   | 95       |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 150207   | 50.35   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.93  | 63   | 222562   | 228.84  | ug/l   | 98       |
| 59) 2-Hexanone                 | 10.97 | 43   | 249920   | 237.96  | ug/l   | 97       |
| 60) Dibromochloromethane       | 11.13 | 129  | 115187   | 50.33   | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.24 | 107  | 91553    | 51.66   | ug/l   | 98       |
| 64) Tetrachloroethene          | 10.87 | 164  | 128932   | 53.67   | ug/l   | 99       |
| 65) Chlorobenzene              | 11.66 | 112  | 367007   | 53.12   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.73 | 131  | 132957   | 52.51   | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.74 | 91   | 644206   | 52.79   | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.84 | 106  | 515912   | 108.19  | ug/l   | 99       |
| 69) o-Xylene                   | 12.17 | 106  | 244623   | 53.58   | ug/l   | 99       |
| 70) Styrene                    | 12.18 | 104  | 408139   | 53.88   | ug/l   | 99       |
| 71) Bromoform                  | 12.35 | 173  | 73521    | 48.74   | ug/l # | 100      |
| 73) Isopropylbenzene           | 12.47 | 105  | 698101   | 50.13   | ug/l   | 100      |
| 74) N-amyl acetate             | 12.28 | 43   | 138414   | 41.85   | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.72 | 83   | 107711   | 47.19   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 143139   | 84.03   | ug/l # | 100      |
| 77) Bromobenzene               | 12.75 | 156  | 169853   | 51.48   | ug/l   | 94       |
| 78) n-propylbenzene            | 12.81 | 91   | 825308   | 50.38   | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.90 | 91   | 461136   | 49.86   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 12.95 | 105  | 596738   | 50.75   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.52 | 75   | 32181    | 39.88   | ug/l   | 96       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 493071   | 50.67   | ug/l   | 98       |
| 83) tert-Butylbenzene          | 13.21 | 119  | 537261   | 51.37   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.26 | 105  | 609051   | 51.35   | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.39 | 105  | 764773   | 52.10   | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.51 | 119  | 695945   | 52.72   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.51 | 146  | 347572   | 53.02   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 342465   | 52.57   | ug/l   | 100      |
| 89) n-Butylbenzene             | 13.83 | 91   | 648747   | 52.14   | ug/l   | 99       |
| 90) Hexachloroethane           | 14.10 | 117  | 117576   | 47.36   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.88 | 146  | 308565   | 53.02   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.49 | 75   | 18726    | 44.02   | ug/l   | 98       |

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Operator : VA/AP  
Sample : VSTDCCC050  
Misc : 5.00G/5ML/MSVOA\_W/SOIL  
ALS Vial : 2 Sample Multiplier: 1

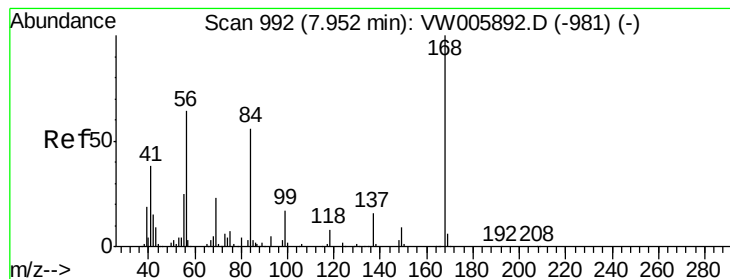
Instrument :  
MSVOA\_W  
ClientSampleId :  
BFB

Quant Time: Oct 11 15:45:53 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W100818S.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 09 02:14:04 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.14 | 180  | 229999   | 50.97 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 15.24 | 225  | 145615   | 51.70 | ug/l  | 100      |
| 95) Naphthalene            | 15.38 | 128  | 382111   | 49.13 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.57 | 180  | 198410   | 50.78 | ug/l  | 100      |

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006022.D

Acq: 11 Oct 2018 10:26

Instrument :

MSVOA\_W

ClientSampled :

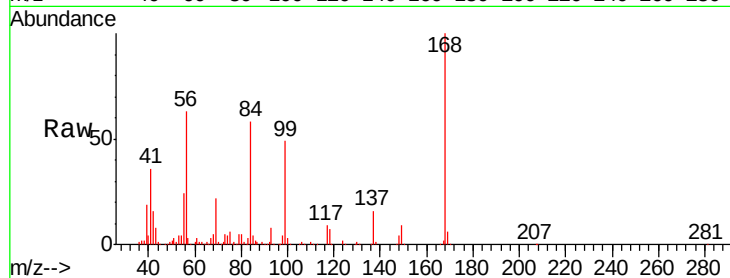
BFB

Tgt Ion:168 Resp: 247874

Ion Ratio Lower Upper

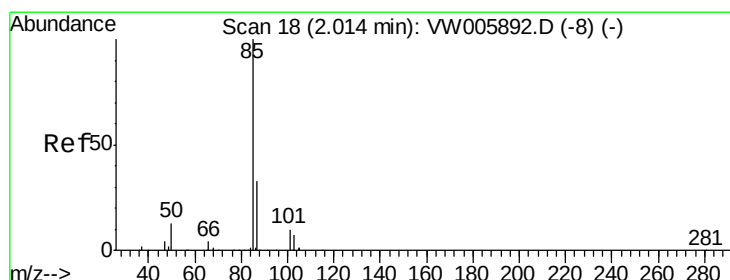
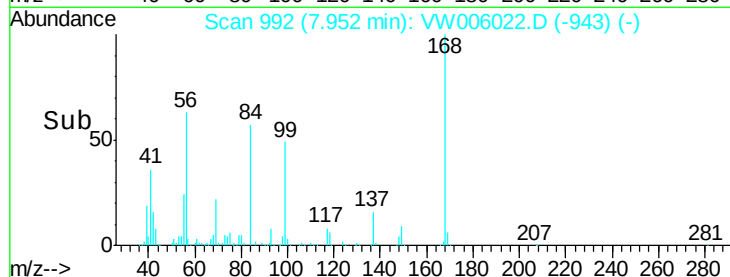
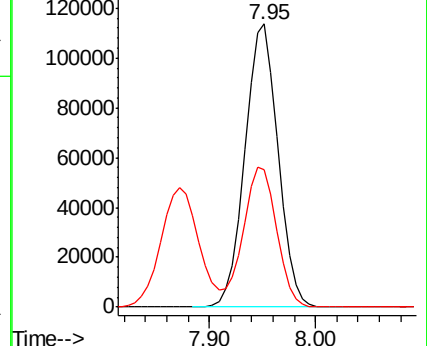
168 100

99 48.5 40.9 61.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 51.97 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW006022.D

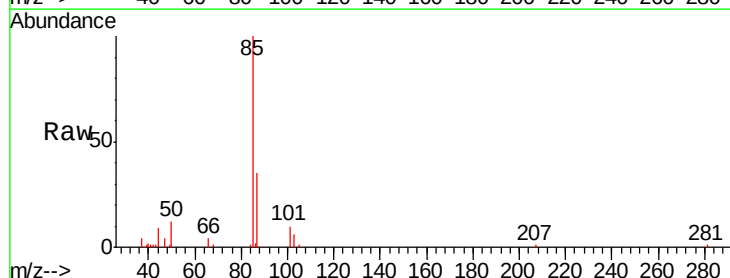
Acq: 11 Oct 2018 10:26

Tgt Ion: 85 Resp: 63124

Ion Ratio Lower Upper

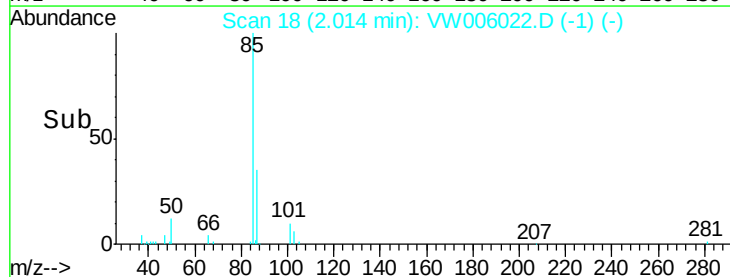
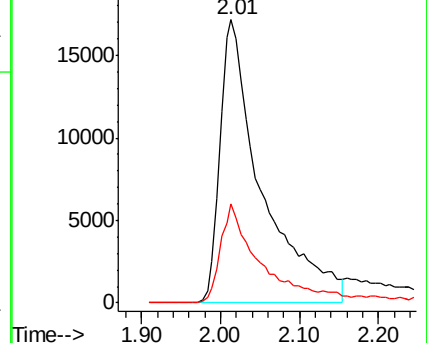
85 100

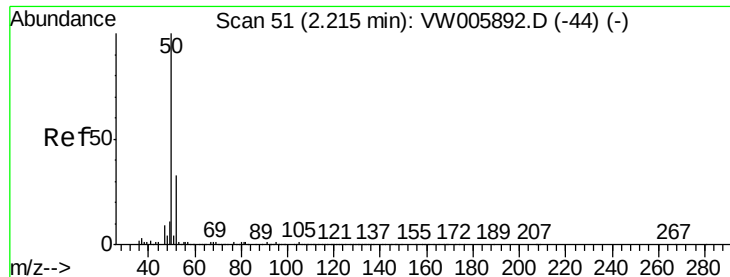
87 35.1 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 57.98 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW006022.D

Acq: 11 Oct 2018 10:26

Instrument :

MSVOA\_W

ClientSampleId :

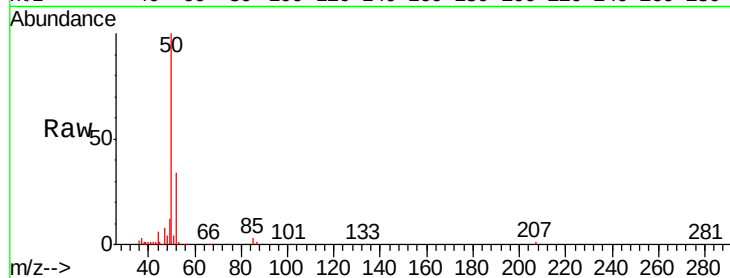
BFB

Tgt Ion: 50 Resp: 82835

Ion Ratio Lower Upper

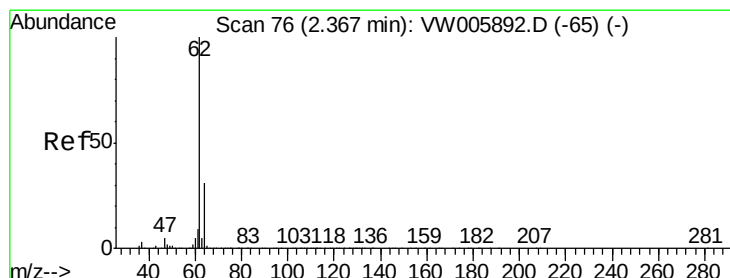
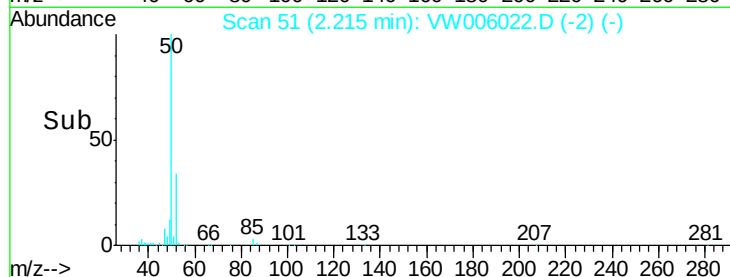
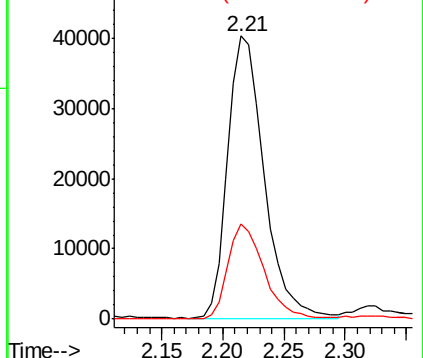
50 100

52 33.7 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 55.08 ug/l

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW006022.D

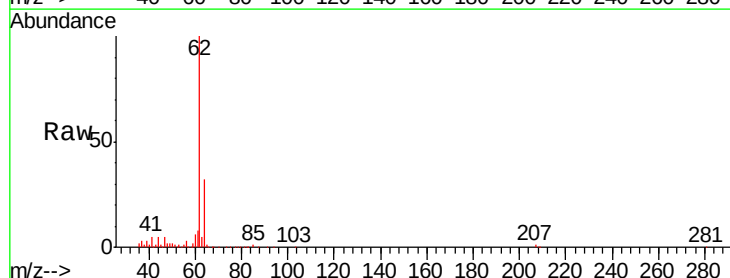
Acq: 11 Oct 2018 10:26

Tgt Ion: 62 Resp: 124946

Ion Ratio Lower Upper

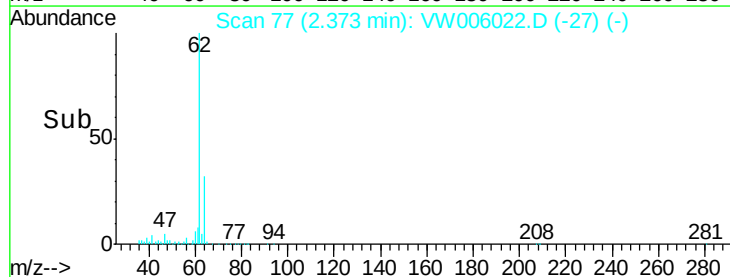
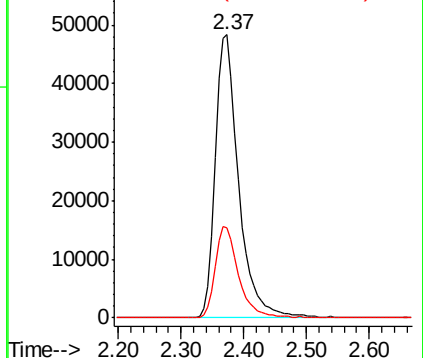
62 100

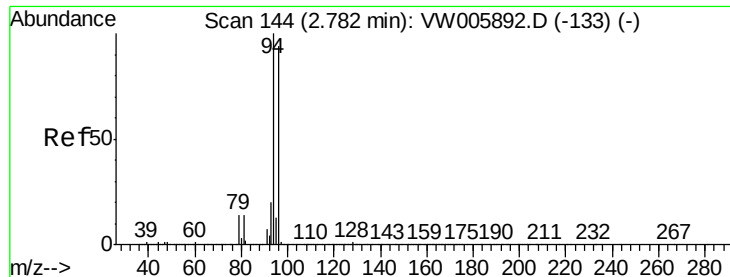
64 31.8 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 61.45 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW006022.D

Acq: 11 Oct 2018 10:26

Instrument :

MSVOA\_W

ClientSampled :

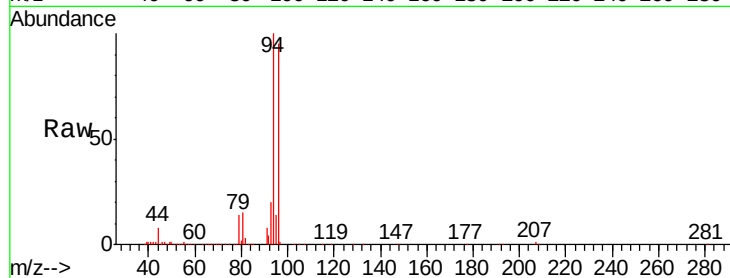
BFB

Tgt Ion: 94 Resp: 110012

Ion Ratio Lower Upper

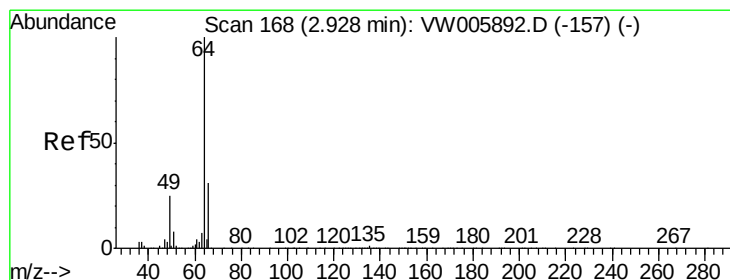
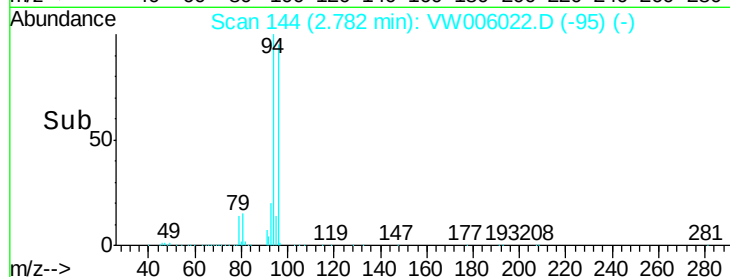
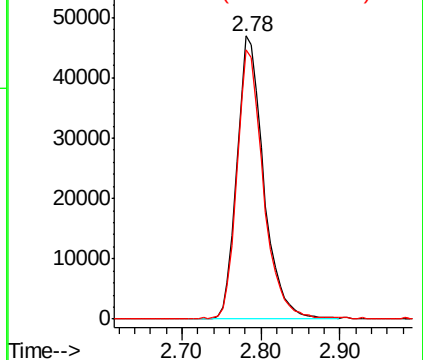
94 100

96 95.2 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 58.40 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW006022.D

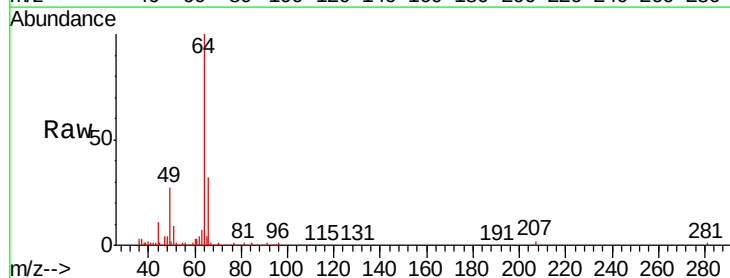
Acq: 11 Oct 2018 10:26

Tgt Ion: 64 Resp: 84396

Ion Ratio Lower Upper

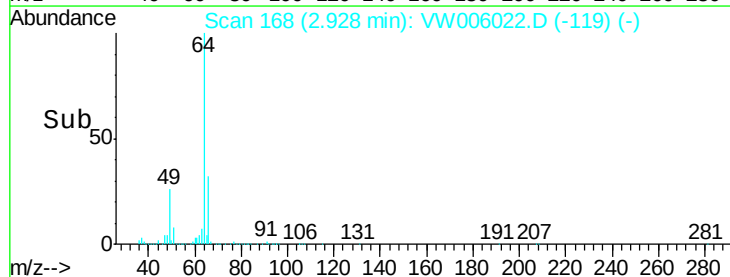
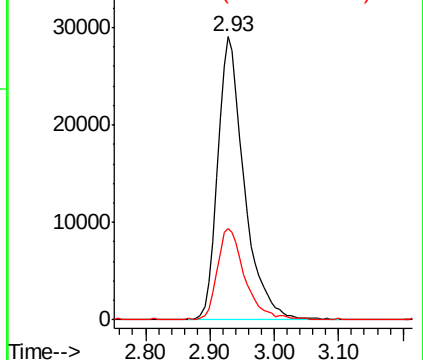
64 100

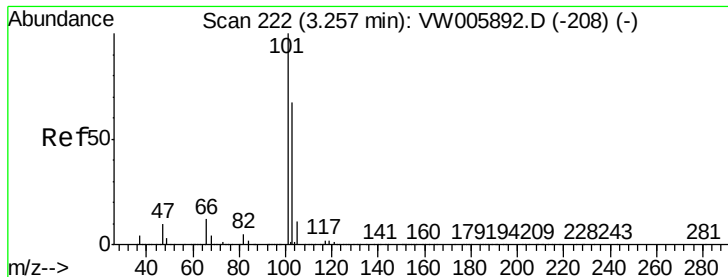
66 31.7 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



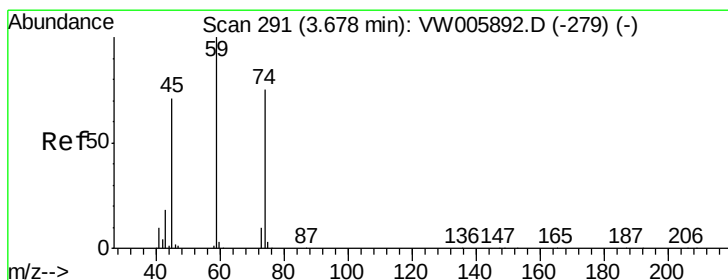
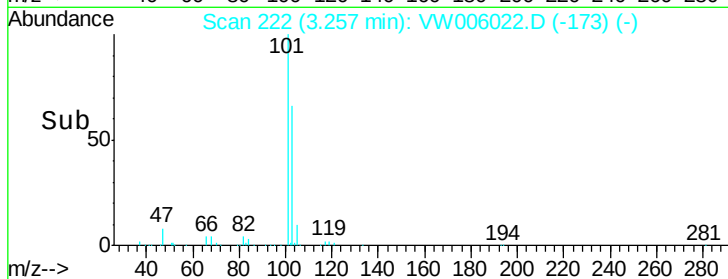
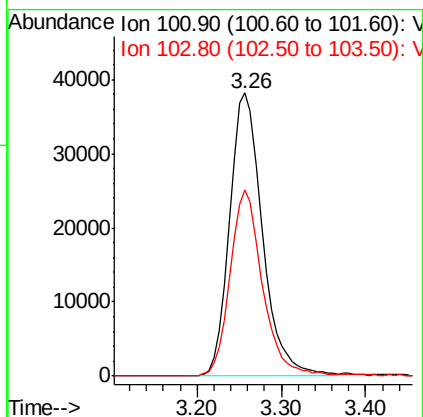
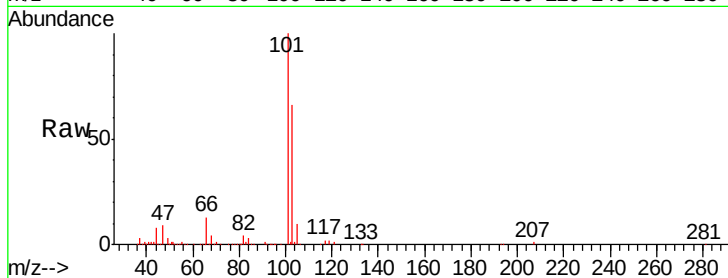


#7

Trichlorofluoromethane  
 Concen: 56.11 ug/l  
 RT: 3.26 min Scan# 222  
 Delta R.T. 0.00 min  
 Lab File: VW006022.D  
 Acq: 11 Oct 2018 10:26

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BFB

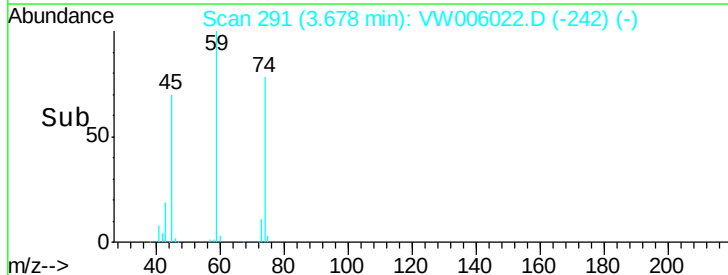
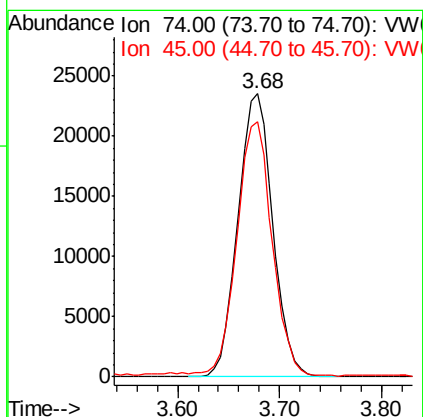
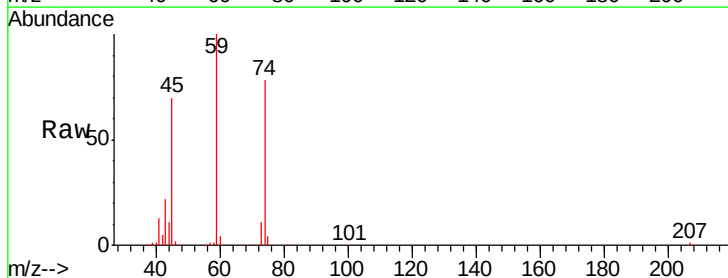
Tgt Ion: 101 Resp: 101031  
 Ion Ratio Lower Upper  
 101 100  
 103 65.4 53.5 80.3



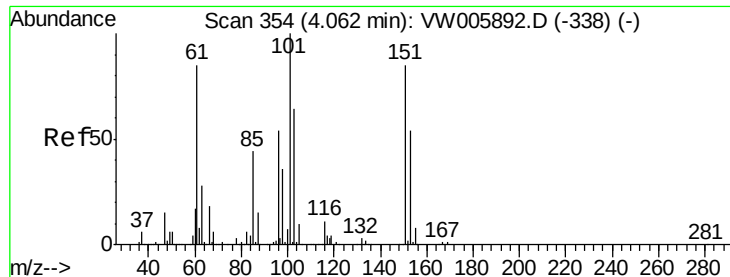
#8

Diethyl Ether  
 Concen: 50.37 ug/l  
 RT: 3.68 min Scan# 291  
 Delta R.T. 0.00 min  
 Lab File: VW006022.D  
 Acq: 11 Oct 2018 10:26

Tgt Ion: 74 Resp: 55818  
 Ion Ratio Lower Upper  
 74 100  
 45 91.1 46.8 140.4







#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.33 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW006022.D

Acq: 11 Oct 2018 10:26

Instrument :

MSVOA\_W

ClientSampleId :

BFB

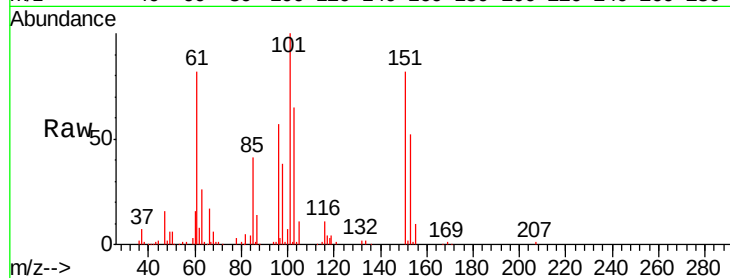
Tgt Ion:101 Resp: 116643

Ion Ratio Lower Upper

101 100

85 43.1 35.1 52.7

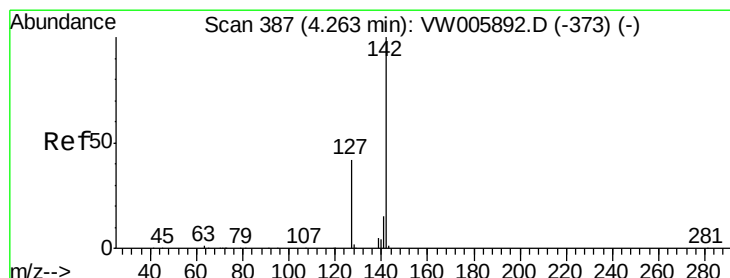
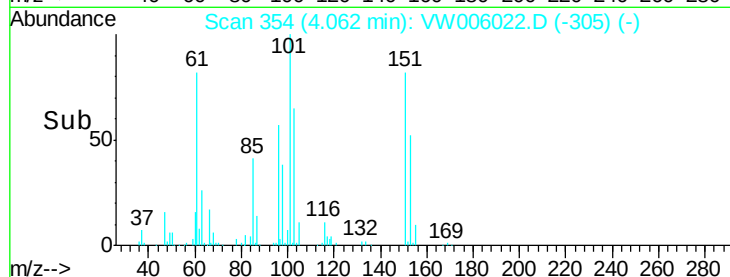
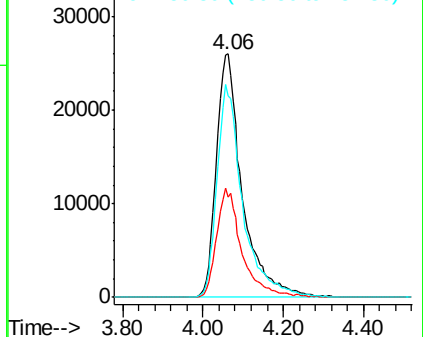
151 86.4 67.7 101.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.45 ug/l

RT: 4.26 min Scan# 387

Delta R.T. 0.00 min

Lab File: VW006022.D

Acq: 11 Oct 2018 10:26

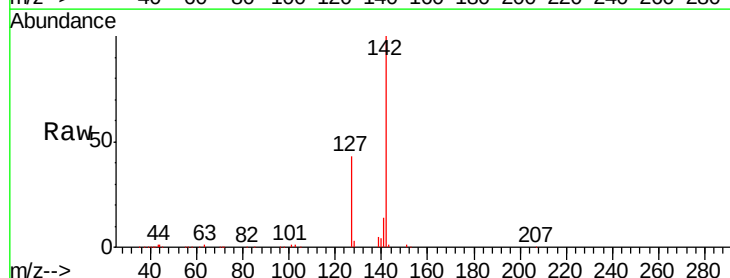
Tgt Ion:142 Resp: 187484

Ion Ratio Lower Upper

142 100

127 42.0 33.7 50.5

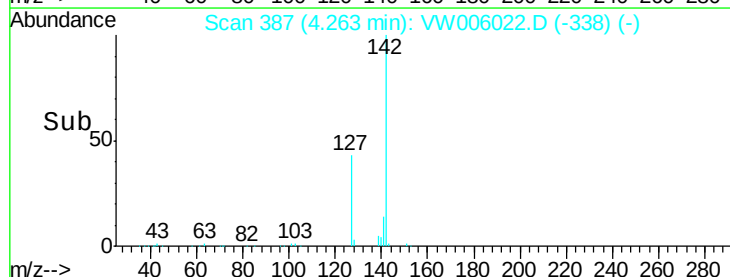
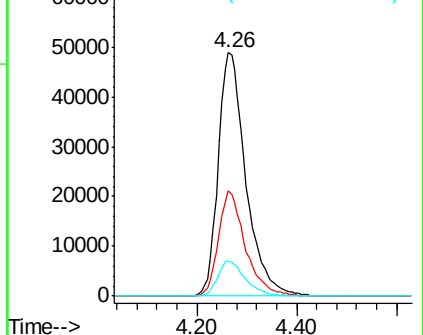
141 14.4 11.5 17.3

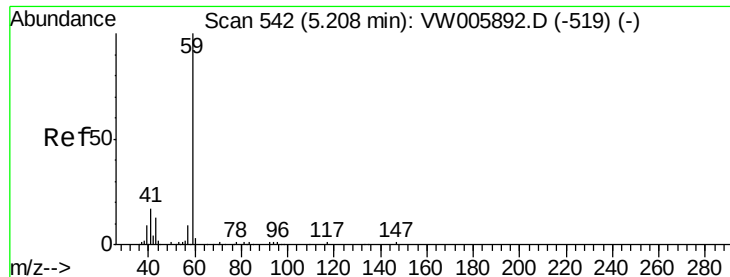


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 195.70 ug/l

RT: 5.21 min Scan# 542

Delta R.T. 0.00 min

Lab File: VW006022.D

Acq: 11 Oct 2018 10:26

Instrument :

MSVOA\_W

ClientSampled :

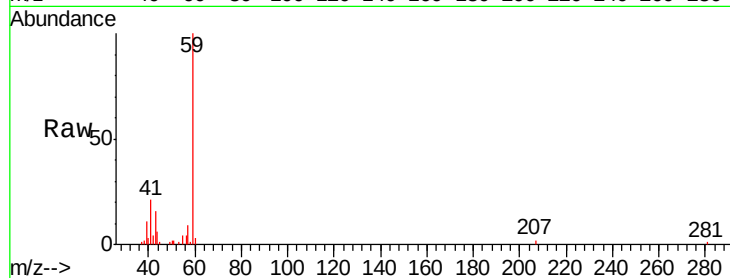
BFB

Tgt Ion: 59 Resp: 34512

Ion Ratio Lower Upper

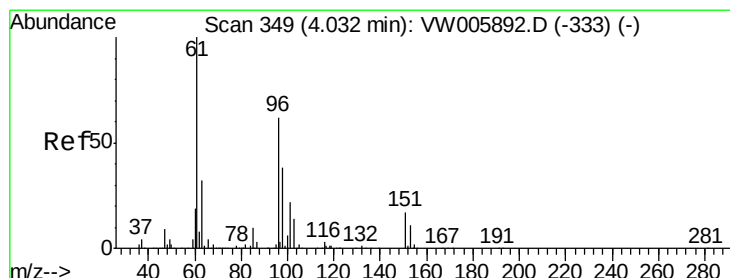
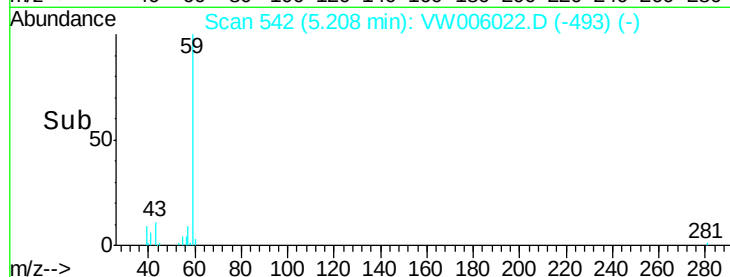
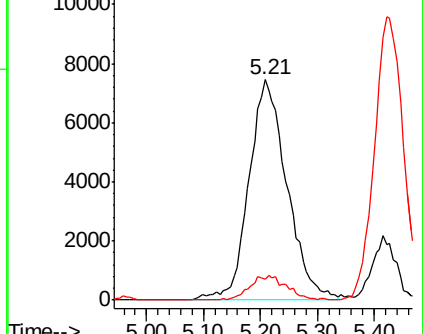
59 100

57 4.9 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#12

1,1-Dichloroethene

Concen: 50.58 ug/l

RT: 4.03 min Scan# 349

Delta R.T. 0.00 min

Lab File: VW006022.D

Acq: 11 Oct 2018 10:26

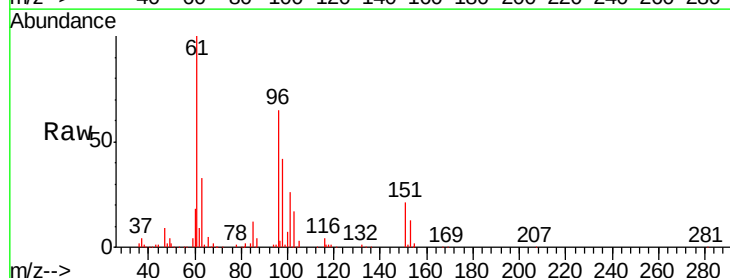
Tgt Ion: 96 Resp: 110367

Ion Ratio Lower Upper

96 100

61 153.3 128.6 193.0

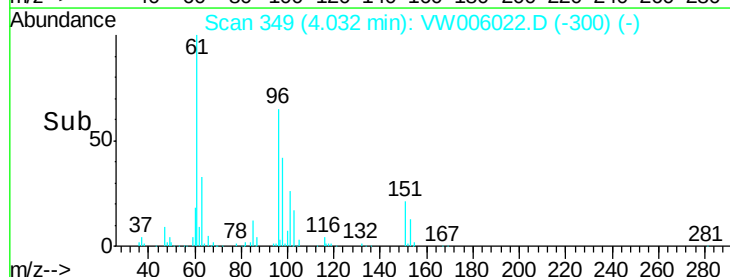
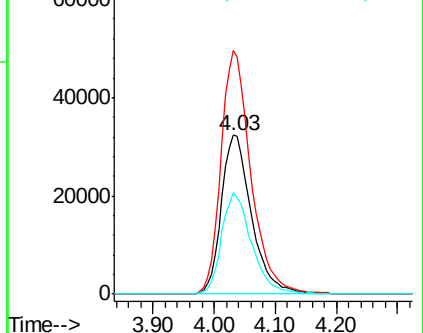
98 63.9 49.4 74.0

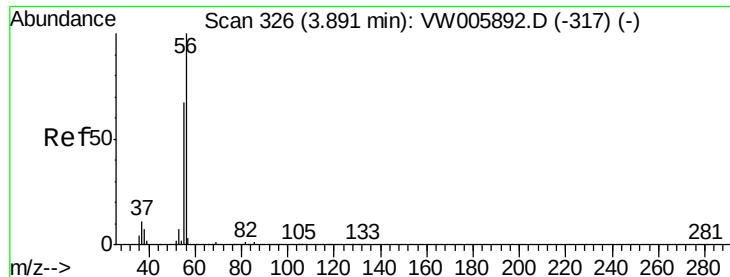


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW

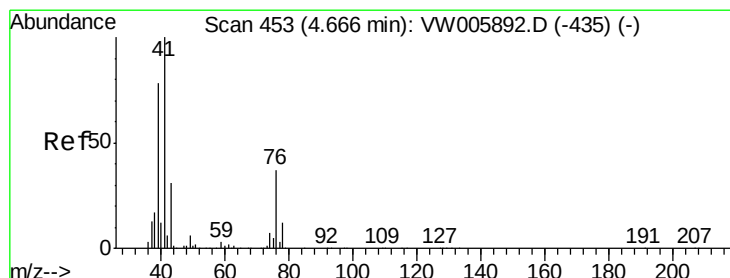
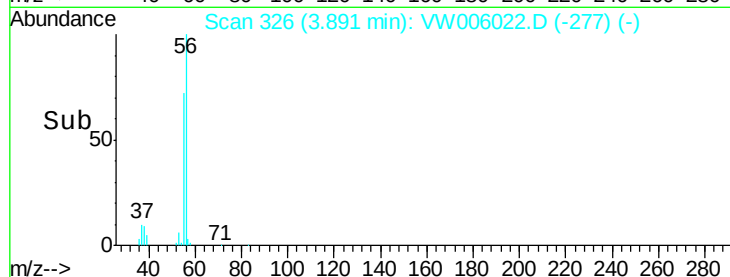
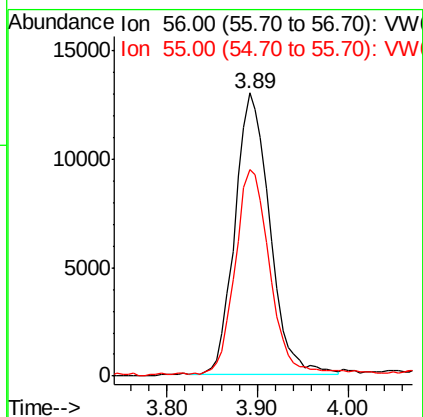
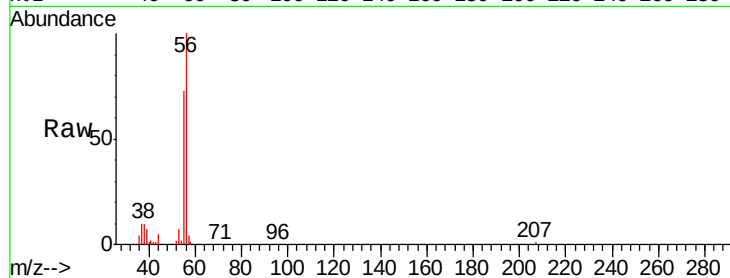




#13  
 Acrolein  
 Concen: 220.72 ug/l  
 RT: 3.89 min Scan# 326  
 Delta R.T. 0.00 min  
 Lab File: VW006022.D  
 Acq: 11 Oct 2018 10:26

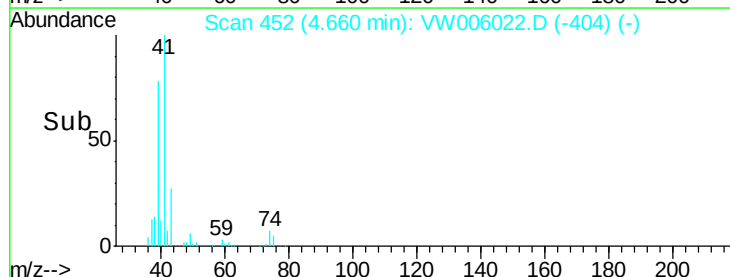
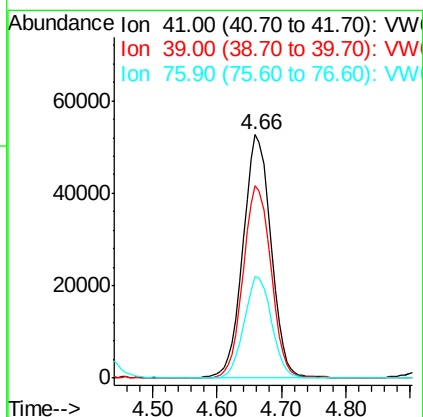
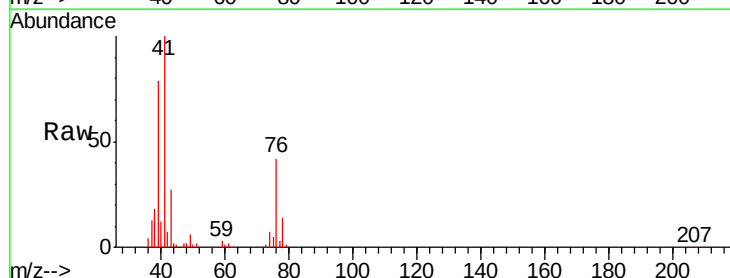
Instrument :  
 MSVOA\_W  
 ClientSampled :  
 BFB

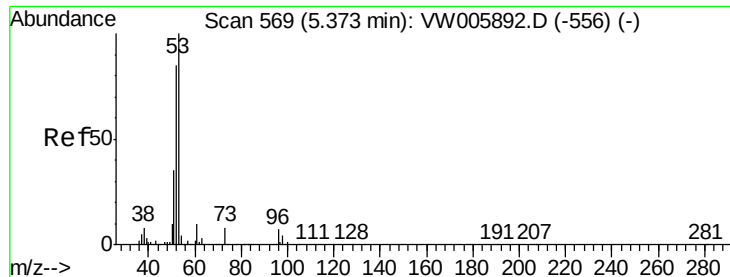
Tgt Ion: 56 Resp: 34688  
 Ion Ratio Lower Upper  
 56 100  
 55 71.4 54.6 82.0



#14  
 Allyl chloride  
 Concen: 42.17 ug/l  
 RT: 4.66 min Scan# 452  
 Delta R.T. -0.01 min  
 Lab File: VW006022.D  
 Acq: 11 Oct 2018 10:26

Tgt Ion: 41 Resp: 156932  
 Ion Ratio Lower Upper  
 41 100  
 39 78.4 60.8 91.2  
 76 40.9 29.6 44.4





#15

Acrylonitrile

Concen: 222.70 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW006022.D

Acq: 11 Oct 2018 10:26

Instrument :

MSVOA\_W

ClientSampleId :

BFB

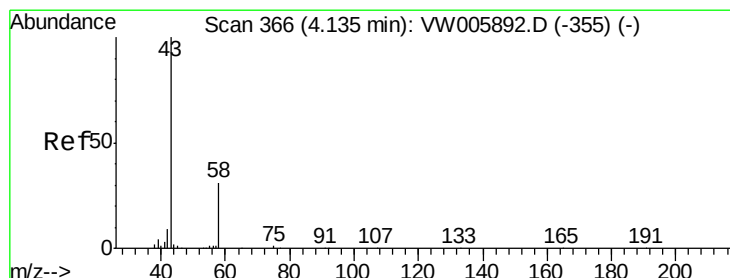
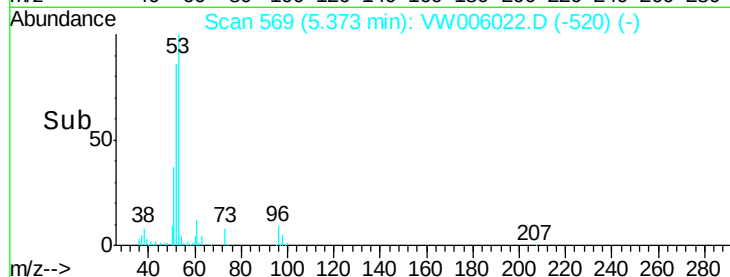
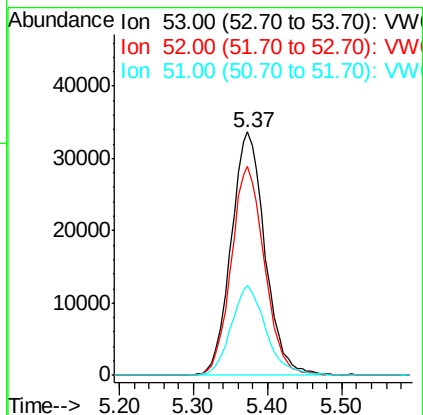
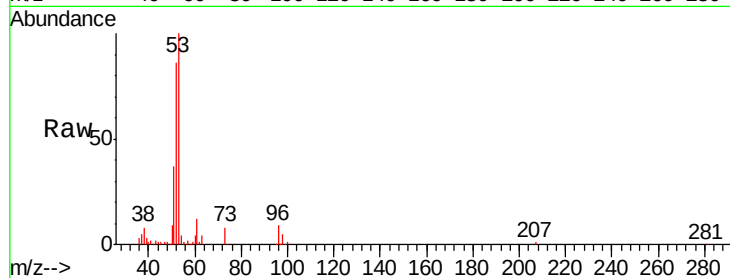
Tgt Ion: 53 Resp: 107399

Ion Ratio Lower Upper

53 100

52 84.5 66.8 100.2

51 37.9 29.8 44.6



#16

Acetone

Concen: 239.69 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.00 min

Lab File: VW006022.D

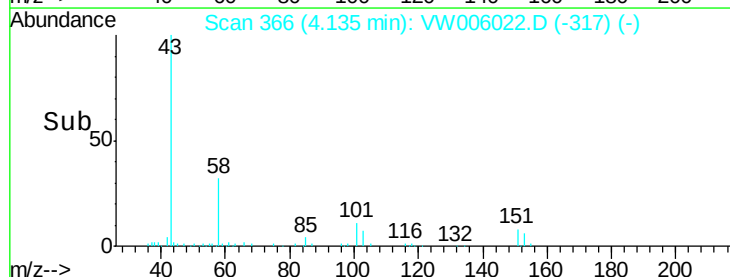
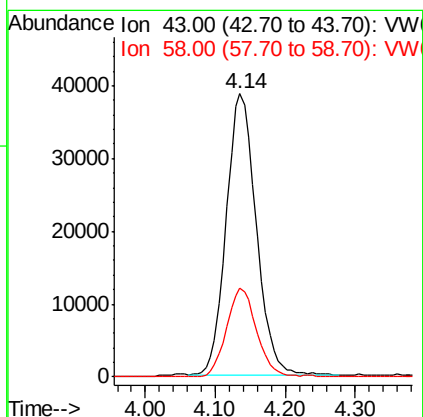
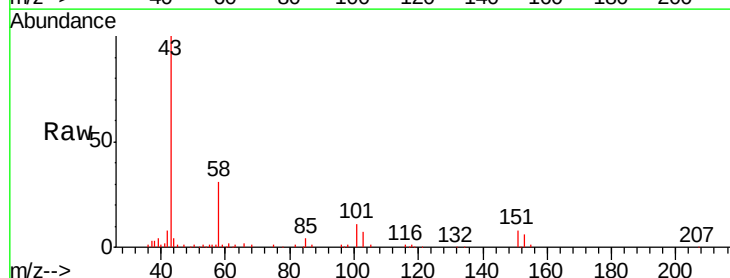
Acq: 11 Oct 2018 10:26

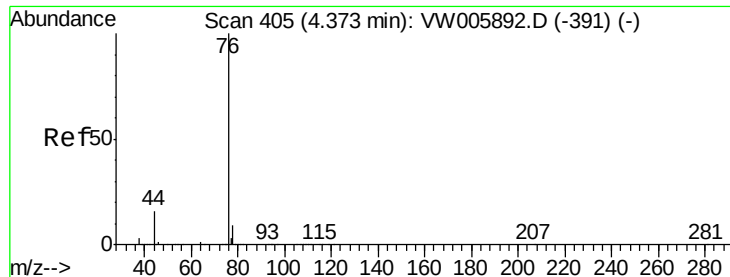
Tgt Ion: 43 Resp: 115207

Ion Ratio Lower Upper

43 100

58 31.4 24.7 37.1

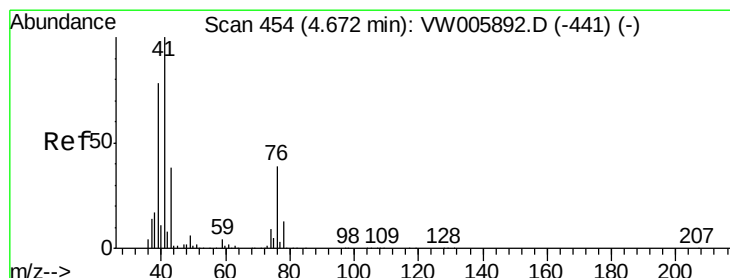
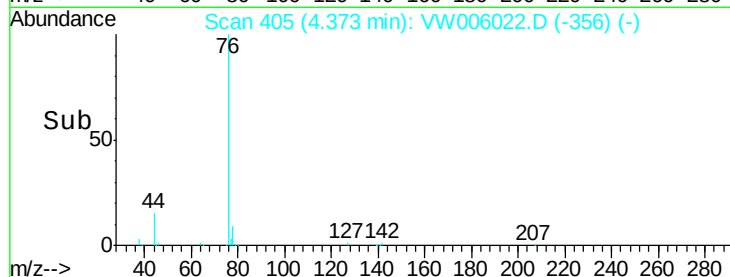
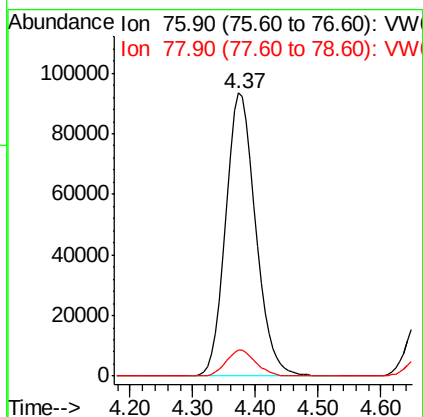
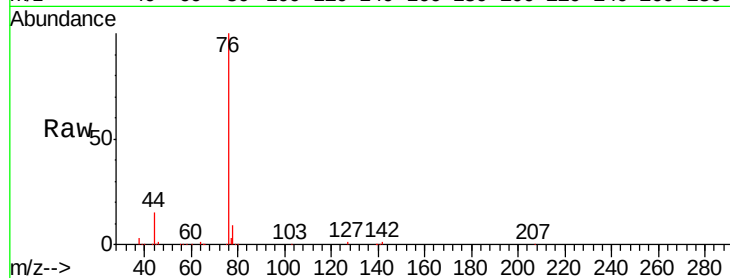




#17  
Carbon Disulfide  
Concen: 46.91 ug/l  
RT: 4.37 min Scan# 405  
Delta R.T. 0.00 min  
Lab File: VW006022.D  
Acq: 11 Oct 2018 10:26

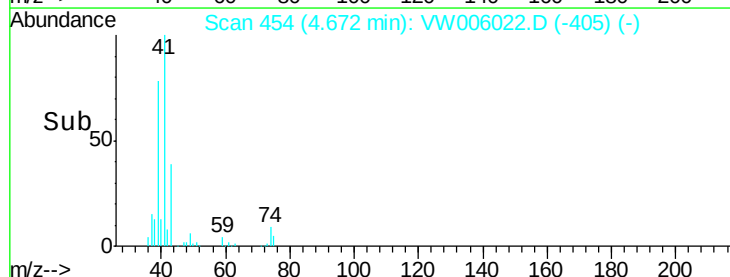
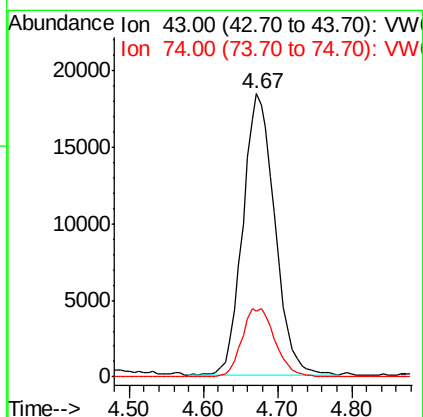
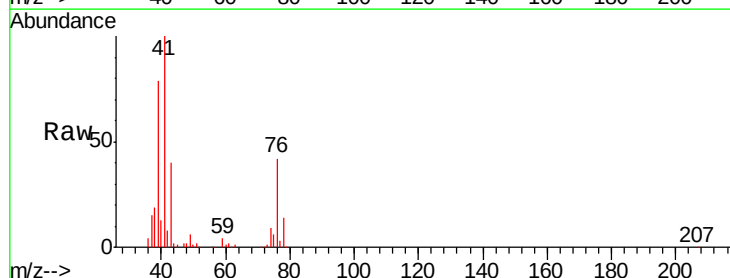
Instrument :  
MSVOA\_W  
ClientSampled :  
BFB

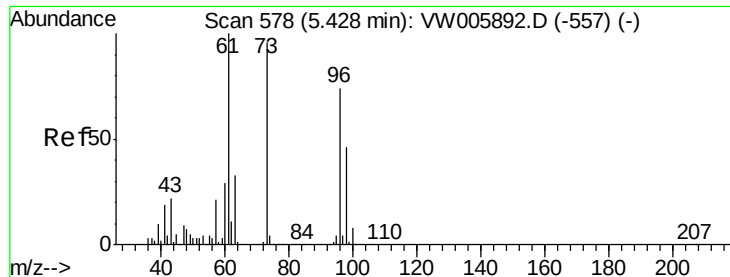
Tgt Ion: 76 Resp: 309492  
Ion Ratio Lower Upper  
76 100  
78 9.3 7.4 11.0



#18  
Methyl Acetate  
Concen: 45.64 ug/l  
RT: 4.67 min Scan# 454  
Delta R.T. 0.00 min  
Lab File: VW006022.D  
Acq: 11 Oct 2018 10:26

Tgt Ion: 43 Resp: 55354  
Ion Ratio Lower Upper  
43 100  
74 25.3 19.2 28.8

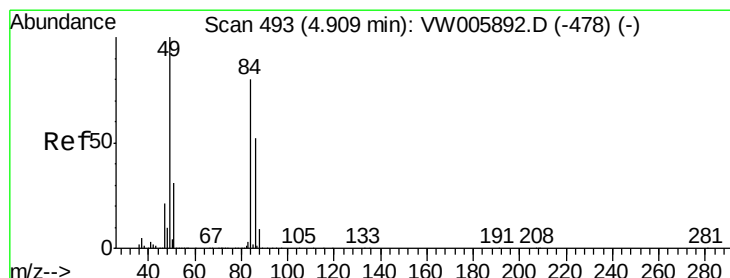
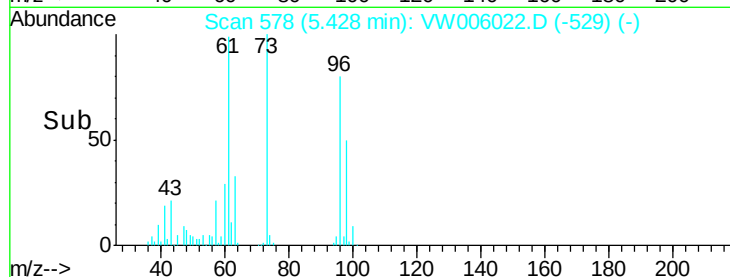
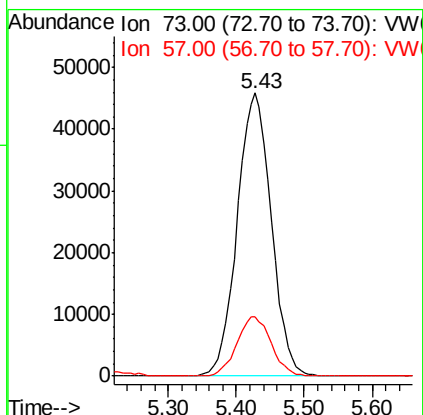
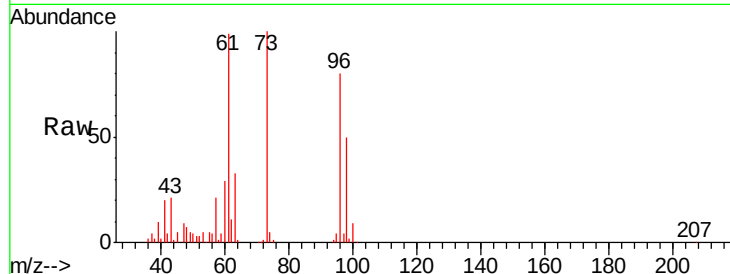




#19  
Methyl tert-butyl Ether  
Concen: 46.92 ug/l  
RT: 5.43 min Scan# 578  
Delta R.T. 0.00 min  
Lab File: VW006022.D  
Acq: 11 Oct 2018 10:26

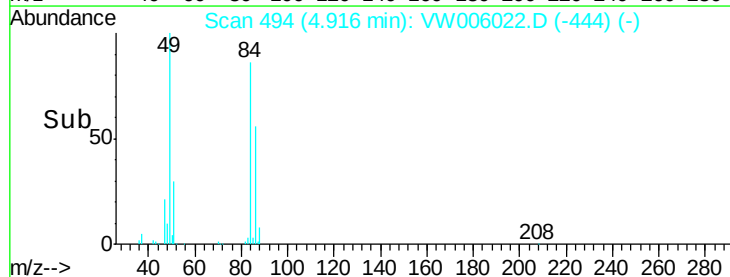
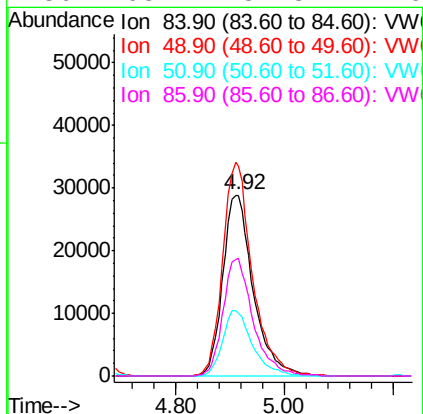
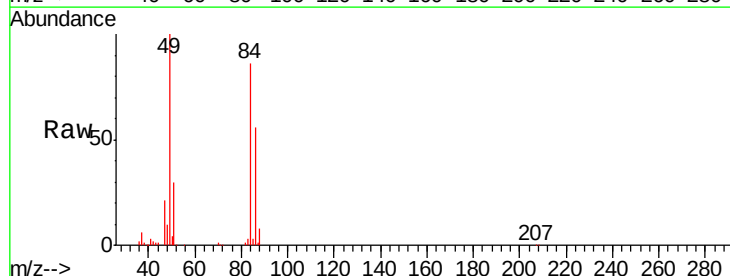
Instrument :  
MSVOA\_W  
ClientSampled :  
BFB

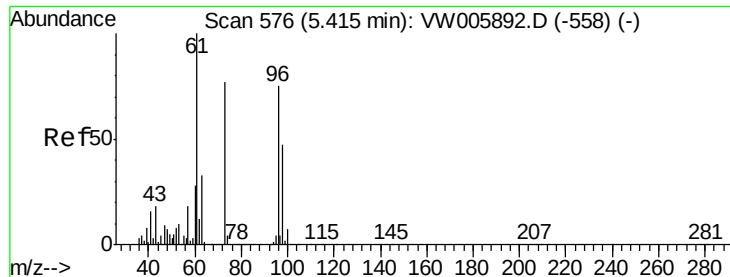
Tgt Ion: 73 Resp: 159285  
Ion Ratio Lower Upper  
73 100  
57 20.8 17.7 26.5



#20  
Methylene Chloride  
Concen: 46.60 ug/l  
RT: 4.92 min Scan# 494  
Delta R.T. 0.01 min  
Lab File: VW006022.D  
Acq: 11 Oct 2018 10:26

Tgt Ion: 84 Resp: 112221  
Ion Ratio Lower Upper  
84 100  
49 116.1 99.9 149.9  
51 34.7 31.1 46.7  
86 65.1 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 51.39 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW006022.D

Acq: 11 Oct 2018 10:26

Instrument :

MSVOA\_W

ClientSampleId :

BFB

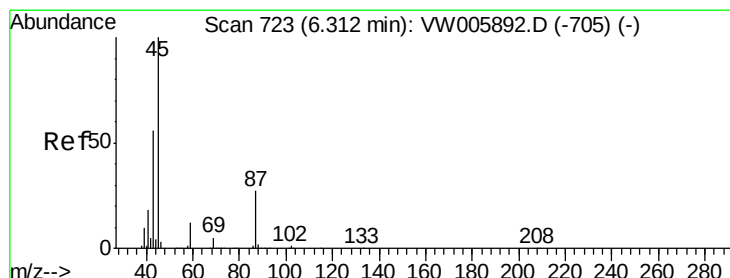
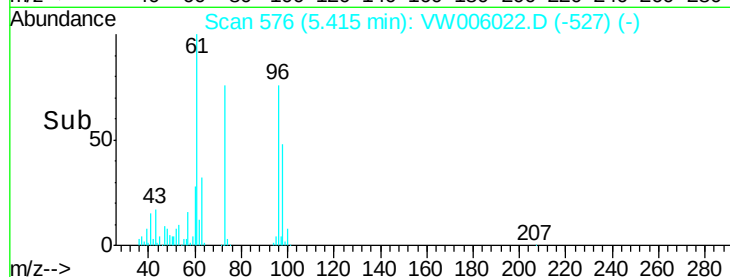
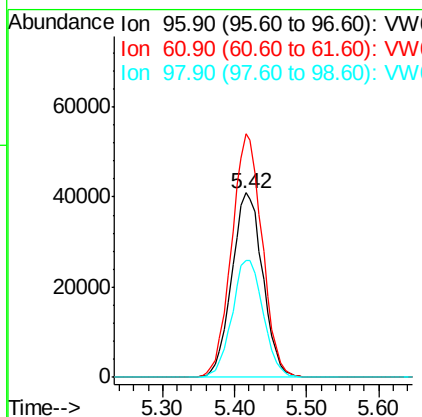
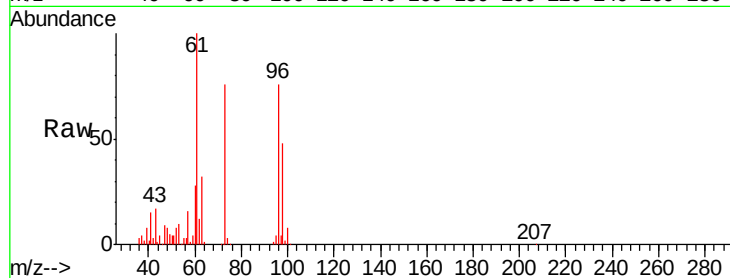
Tgt Ion: 96 Resp: 122223

Ion Ratio Lower Upper

96 100

61 131.9 107.4 161.0

98 63.3 50.8 76.2



#22

Diisopropyl ether

Concen: 44.74 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW006022.D

Acq: 11 Oct 2018 10:26

Tgt Ion: 45 Resp: 311218

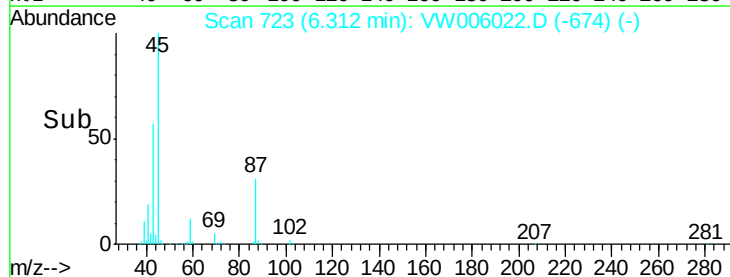
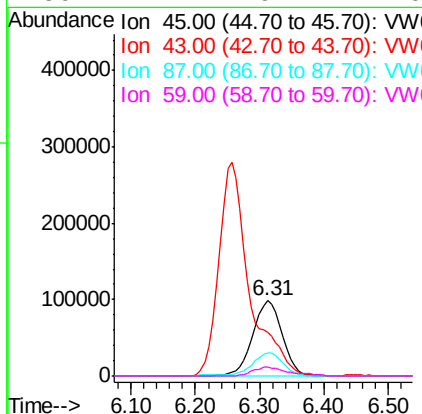
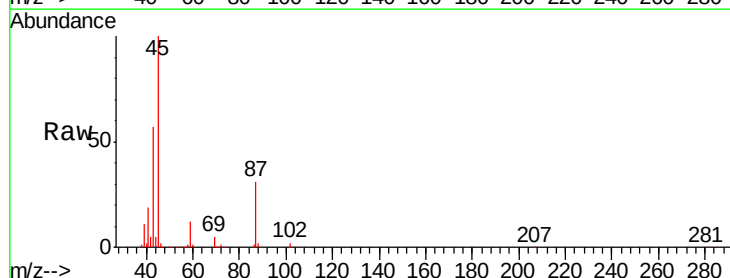
Ion Ratio Lower Upper

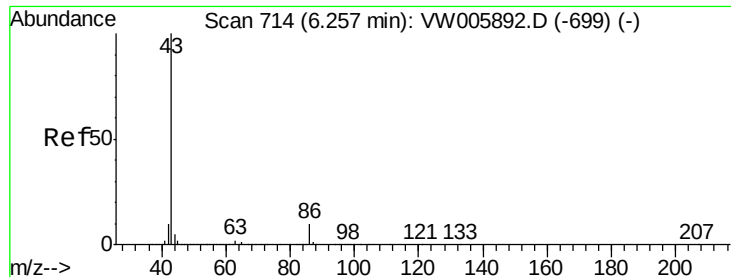
45 100

43 57.0 45.9 68.9

87 30.7 22.2 33.4

59 12.2 9.4 14.0





#23

Vinyl Acetate

Concen: 217.68 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW006022.D

Acq: 11 Oct 2018 10:26

Instrument :

MSVOA\_W

ClientSampled :

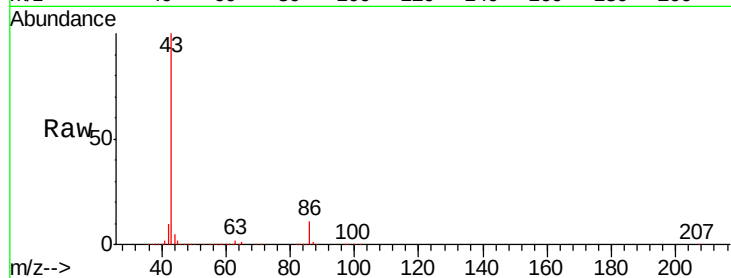
BFB

Tgt Ion: 43 Resp: 931964

Ion Ratio Lower Upper

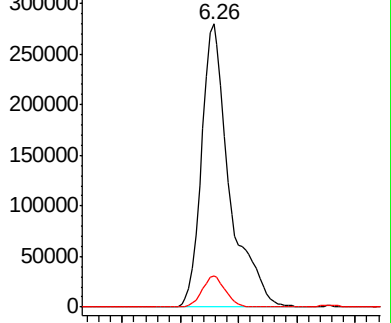
43 100

86 11.2 8.2 12.4

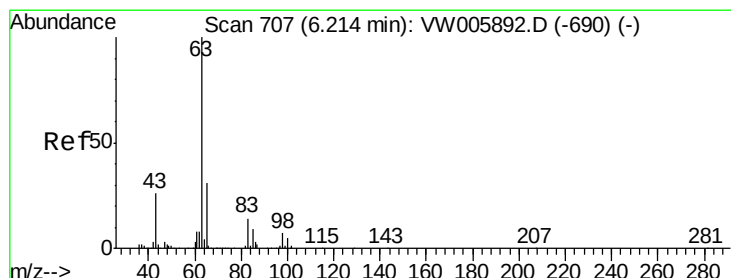
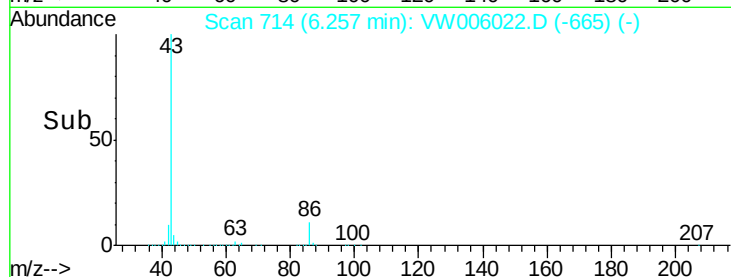


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



Time-->



#24

1,1-Dichloroethane

Concen: 47.84 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW006022.D

Acq: 11 Oct 2018 10:26

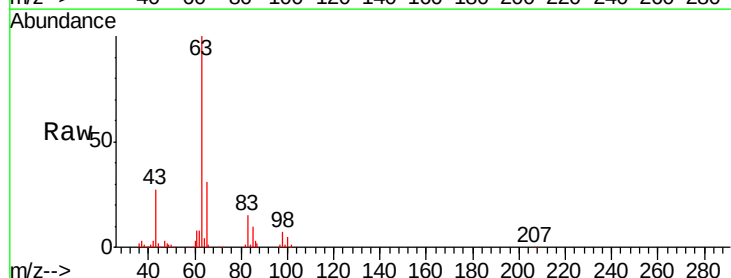
Tgt Ion: 63 Resp: 203640

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.6

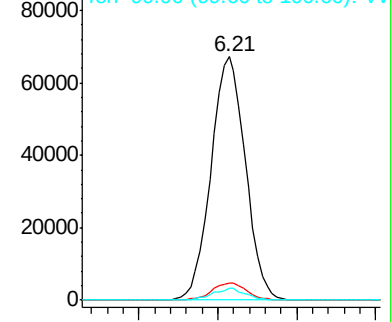
100 4.8 2.4 7.1



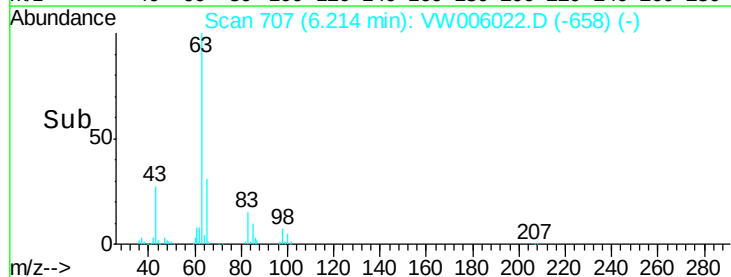
Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

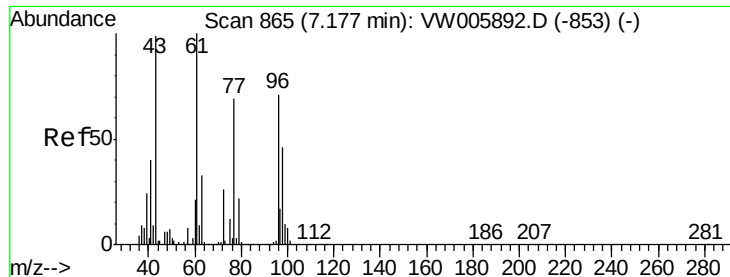
Ion 99.90 (99.60 to 100.60): VW



Time-->







#25

2-Butanone

Concen: 225.38 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW006022.D

Acq: 11 Oct 2018 10:26

Instrument :

MSVOA\_W

ClientSampled :

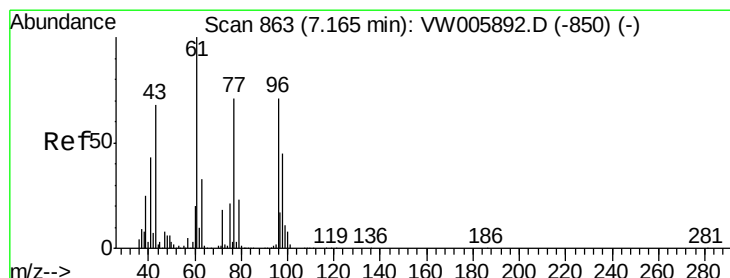
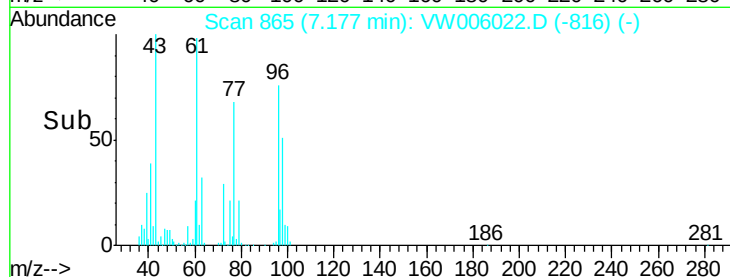
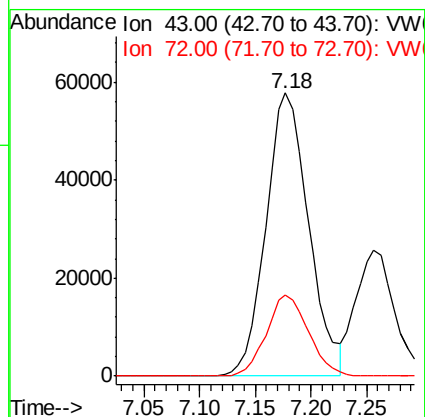
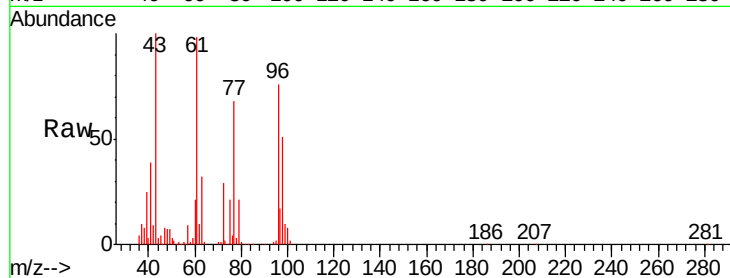
BFB

Tgt Ion: 43 Resp: 154078

Ion Ratio Lower Upper

43 100

72 28.8 21.0 31.4



#26

2,2-Dichloropropane

Concen: 44.50 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW006022.D

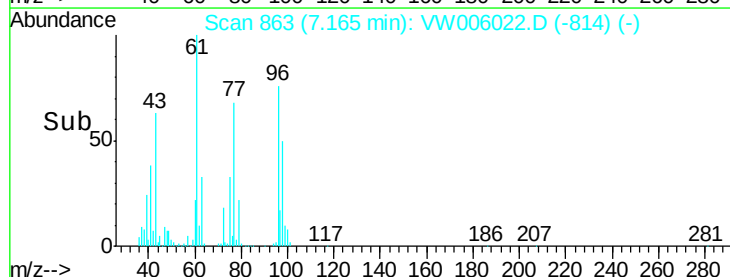
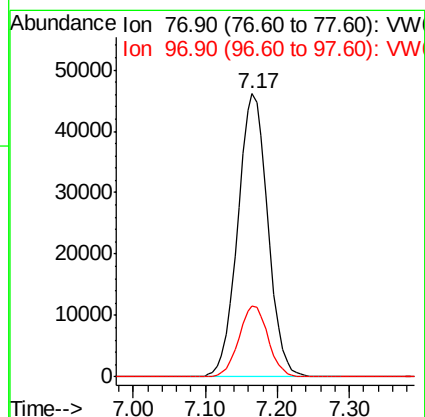
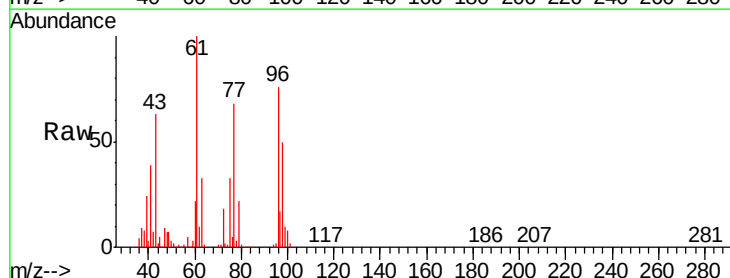
Acq: 11 Oct 2018 10:26

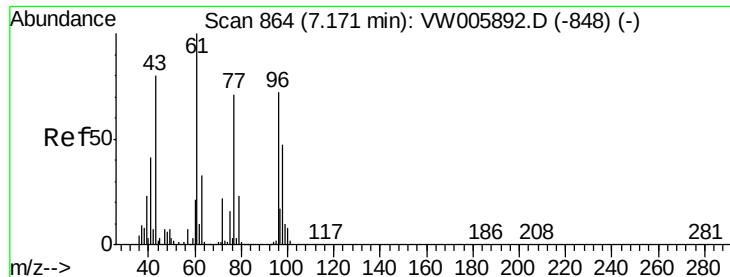
Tgt Ion: 77 Resp: 133328

Ion Ratio Lower Upper

77 100

97 24.4 11.9 35.7





#27

cis-1,2-Dichloroethene

Concen: 50.59 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW006022.D

Acq: 11 Oct 2018 10:26

Instrument :

MSVOA\_W

ClientSampled :

BFB

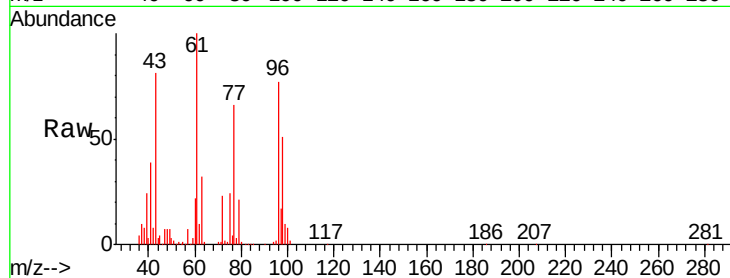
Tgt Ion: 96 Resp: 136068

Ion Ratio Lower Upper

96 100

61 133.3 0.0 284.0

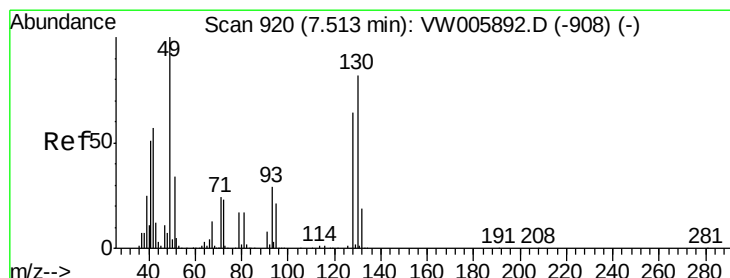
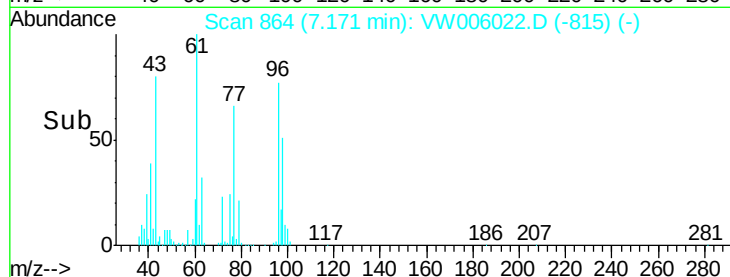
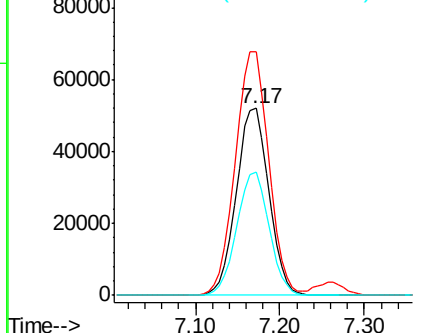
98 65.2 0.0 129.8



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane

Concen: 42.87 ug/l

RT: 7.51 min Scan# 920

Delta R.T. 0.00 min

Lab File: VW006022.D

Acq: 11 Oct 2018 10:26

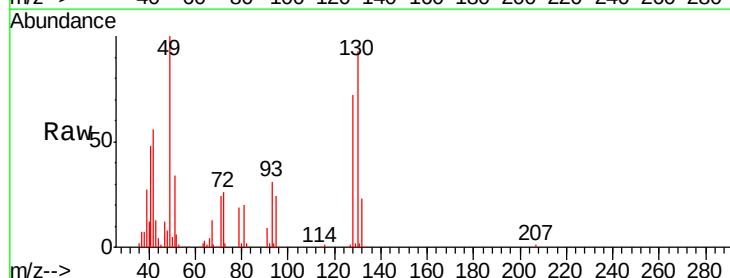
Tgt Ion: 49 Resp: 67356

Ion Ratio Lower Upper

49 100

129 2.2 0.0 5.0

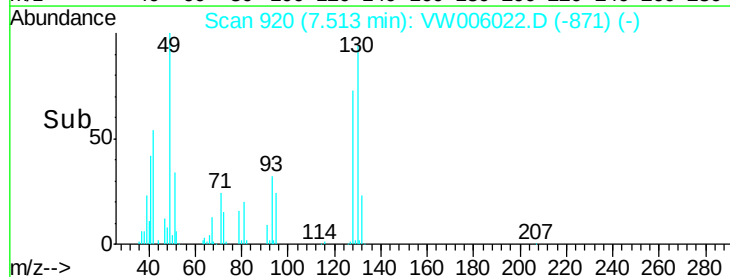
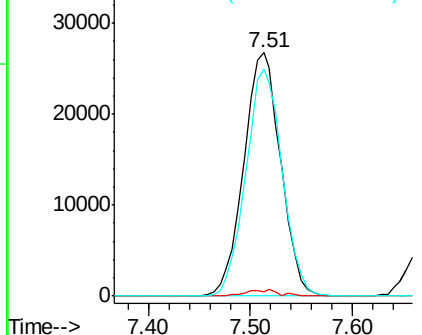
130 92.2 66.9 100.3

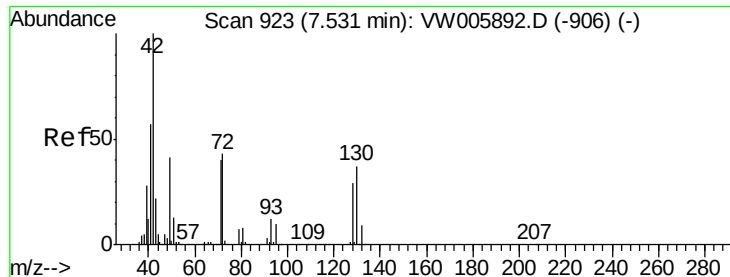


Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 210.22 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW006022.D

Acq: 11 Oct 2018 10:26

Instrument :

MSVOA\_W

ClientSampleId :

BFB

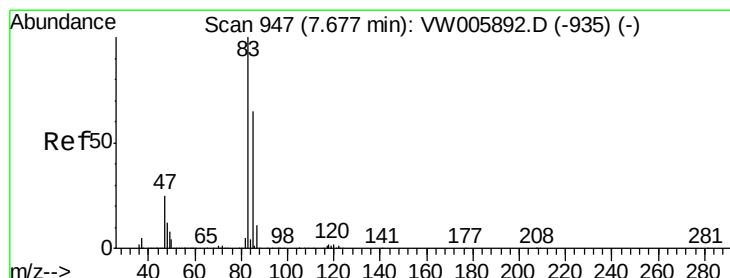
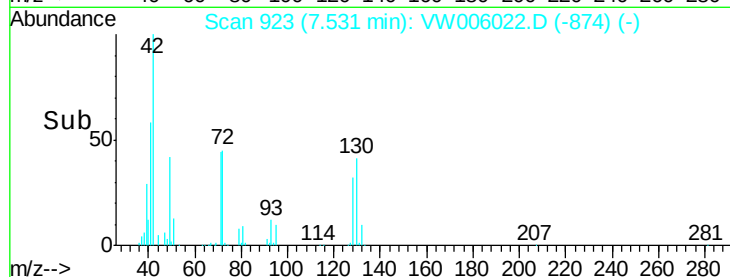
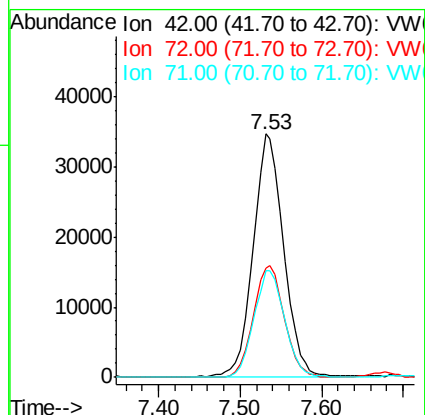
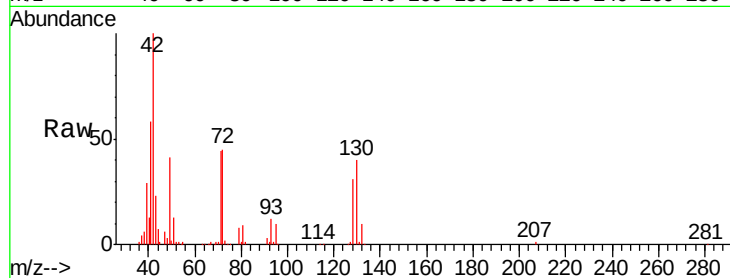
Tgt Ion: 42 Resp: 90845

Ion Ratio Lower Upper

42 100

72 46.3 34.6 51.8

71 44.0 32.6 49.0



#30

Chloroform

Concen: 49.91 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW006022.D

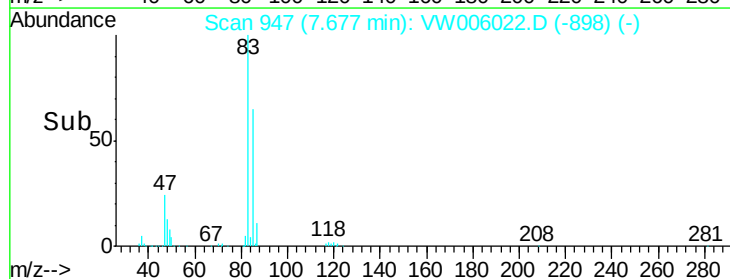
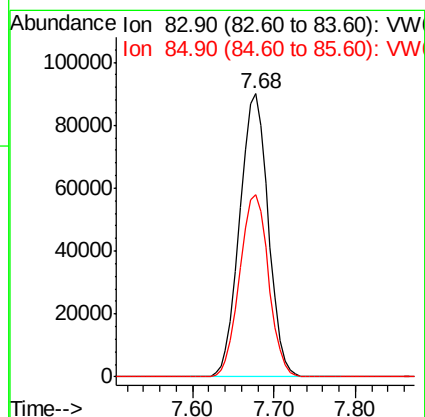
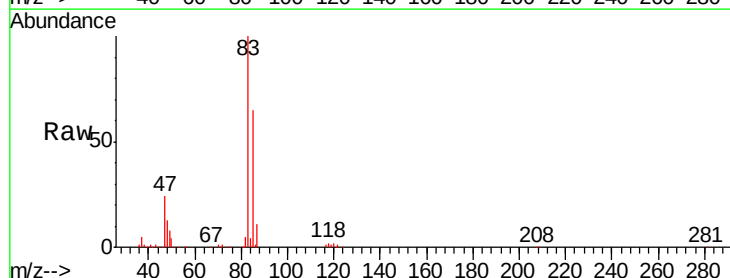
Acq: 11 Oct 2018 10:26

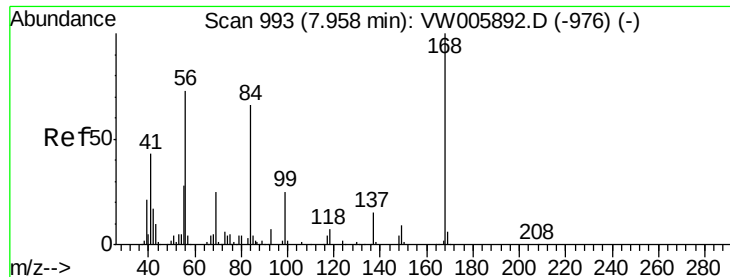
Tgt Ion: 83 Resp: 218252

Ion Ratio Lower Upper

83 100

85 64.5 51.6 77.4

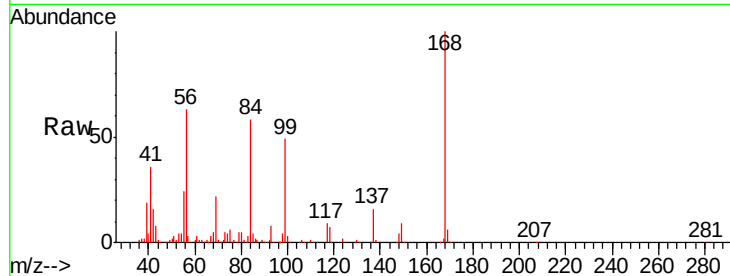




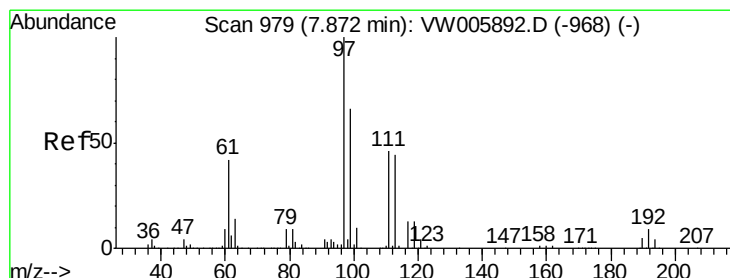
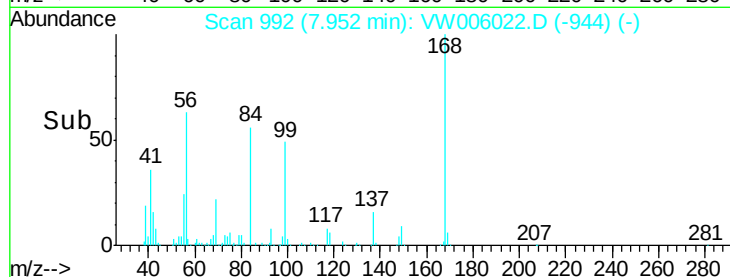
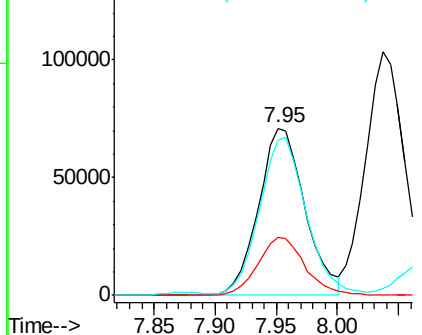
#31  
Cyclohexane  
Concen: 44.47 ug/l  
RT: 7.95 min Scan# 992  
Delta R.T. -0.01 min  
Lab File: VW006022.D  
Acq: 11 Oct 2018 10:26

Instrument :  
MSVOA\_W  
ClientSampled :  
BFB

Tgt Ion: 56 Resp: 187321  
Ion Ratio Lower Upper  
56 100  
69 34.4 27.9 41.9  
84 91.0 72.3 108.5

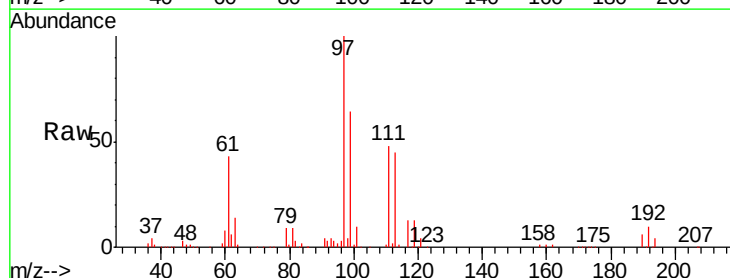


Abundance Ion 56.00 (55.70 to 56.70): VW  
Ion 69.00 (68.70 to 69.70): VW  
Ion 84.00 (83.70 to 84.70): VW

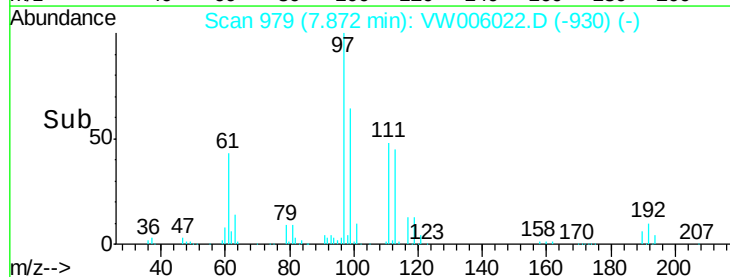
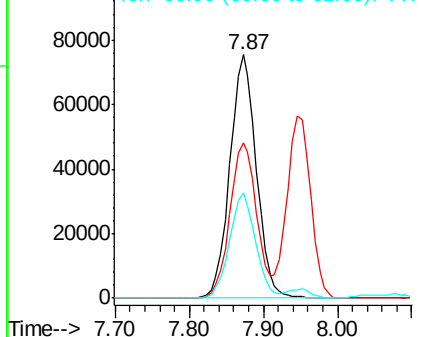


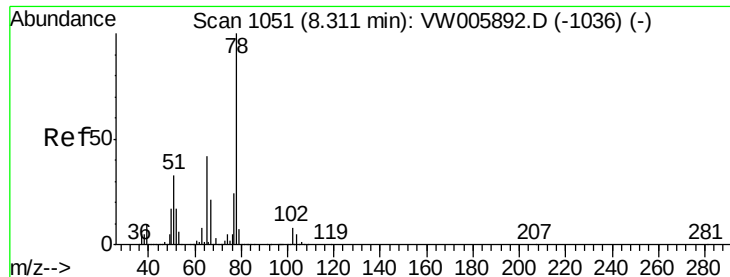
#32  
1,1,1-Trichloroethane  
Concen: 48.14 ug/l  
RT: 7.87 min Scan# 979  
Delta R.T. 0.00 min  
Lab File: VW006022.D  
Acq: 11 Oct 2018 10:26

Tgt Ion: 97 Resp: 187452  
Ion Ratio Lower Upper  
97 100  
99 64.1 51.6 77.4  
61 42.7 34.5 51.7



Abundance Ion 96.90 (96.60 to 97.60): VW  
Ion 98.90 (98.60 to 99.60): VW  
Ion 60.90 (60.60 to 61.60): VW

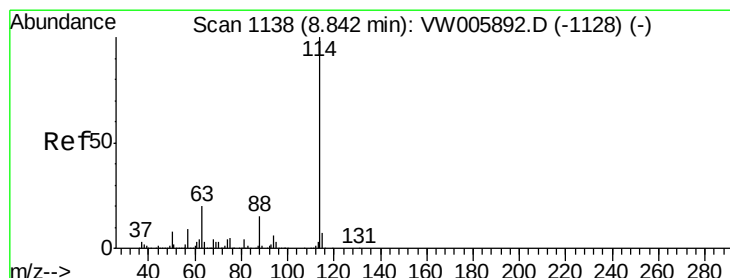
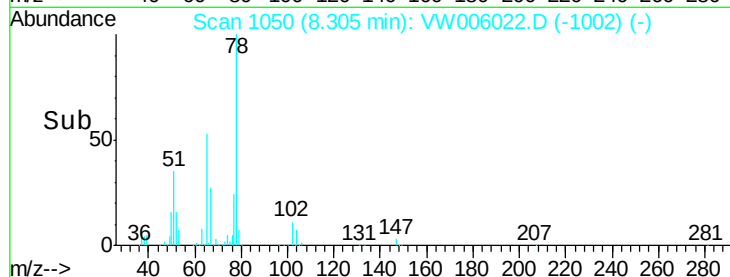
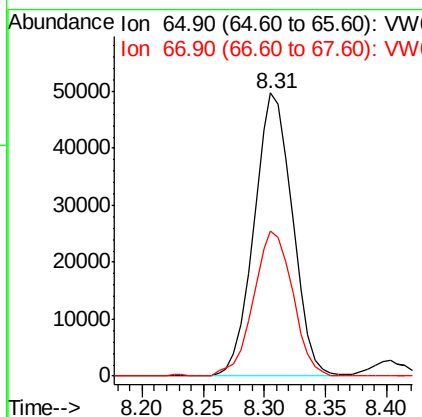
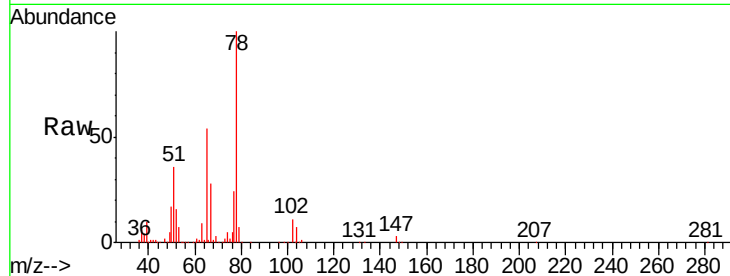




#33  
 1,2-Dichloroethane-d4  
 Concen: 45.13 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. -0.01 min  
 Lab File: VW006022.D  
 Acq: 11 Oct 2018 10:26

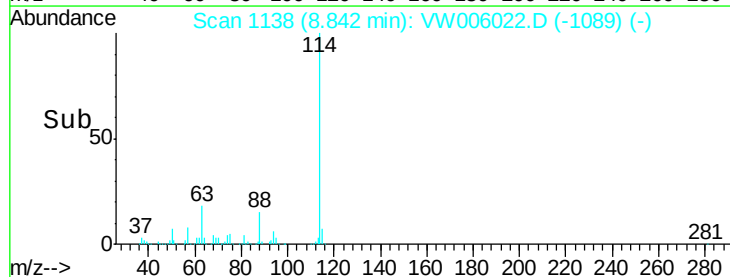
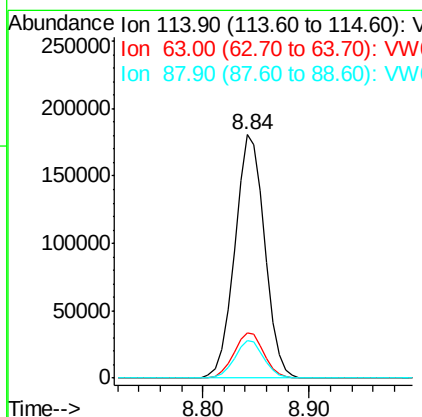
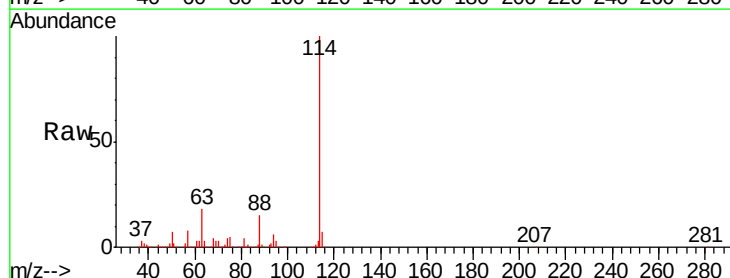
Instrument :  
 MSVOA\_W  
 ClientSampled :  
 BFB

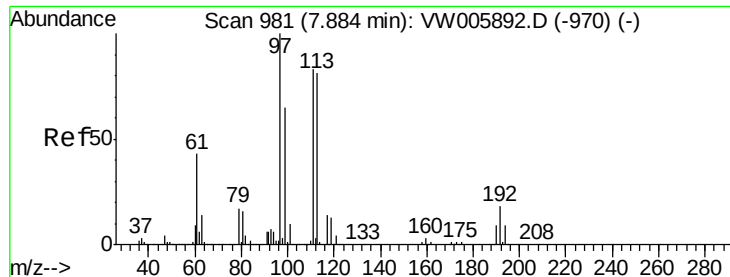
Tgt Ion: 65 Resp: 108592  
 Ion Ratio Lower Upper  
 65 100  
 67 52.3 0.0 104.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: VW006022.D  
 Acq: 11 Oct 2018 10:26

Tgt Ion: 114 Resp: 354878  
 Ion Ratio Lower Upper  
 114 100  
 63 18.4 0.0 39.2  
 88 15.2 0.0 30.8

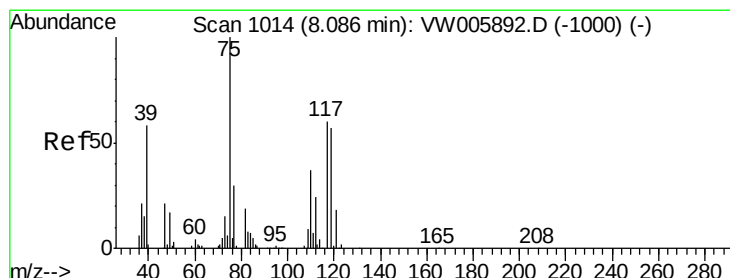
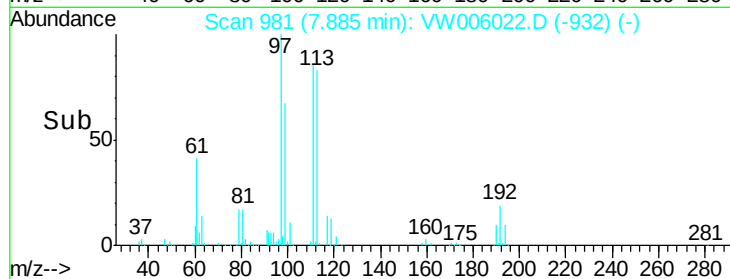
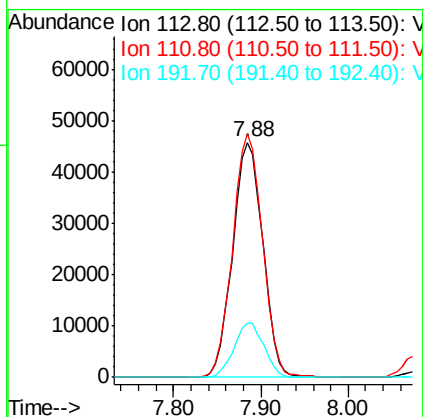
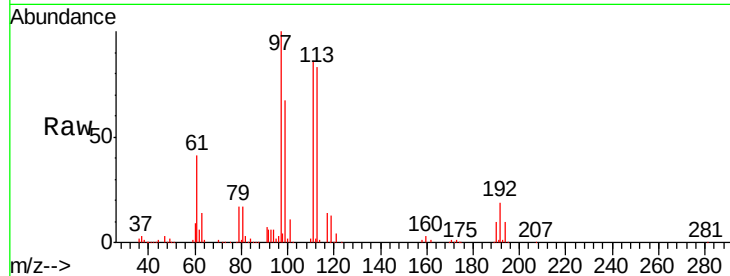




#35  
 Dibromofluoromethane  
 Concen: 48.49 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. 0.00 min  
 Lab File: VW006022.D  
 Acq: 11 Oct 2018 10:26

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 BFB

Tgt Ion: 113 Resp: 109864  
 Ion Ratio Lower Upper  
 113 100  
 111 102.8 82.0 123.0  
 192 22.9 18.3 27.5



#36  
 1,1-Dichloropropene  
 Concen: 51.72 ug/l  
 RT: 8.08 min Scan# 1013  
 Delta R.T. -0.01 min  
 Lab File: VW006022.D  
 Acq: 11 Oct 2018 10:26

Tgt Ion: 75 Resp: 175884  
 Ion Ratio Lower Upper  
 75 100  
 110 38.1 18.6 56.0  
 77 31.6 24.7 37.1

