

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120518\  
 Data File : VW007257.D  
 Acq On : 06 Dec 2018 04:31  
 Operator : SY/AP  
 Sample : VW1205SBS02  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW1205SBS02

Quant Time: Dec 06 06:27:20 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W120418S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 05 01:35:23 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 90870    | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 147589   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 133146   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 65049    | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 8.31   | 65  | 47806    | 56.51 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 113.02% |      |
| 35) Dibromofluoromethane    | 7.88   | 113 | 45248    | 53.54 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 107.08% |      |
| 50) Toluene-d8              | 10.33  | 98  | 188734   | 50.70 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 101.40% |      |
| 62) 4-Bromofluorobenzene    | 12.62  | 95  | 68927    | 49.06 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.12%  |      |

| Target Compounds              |      |     |        |         | Qvalue   |
|-------------------------------|------|-----|--------|---------|----------|
| 2) Dichlorodifluoromethane    | 2.00 | 85  | 21354  | 21.479  | ug/l 99  |
| 3) Chloromethane              | 2.21 | 50  | 25881  | 20.556  | ug/l 99  |
| 4) Vinyl Chloride             | 2.36 | 62  | 16951  | 21.503  | ug/l 99  |
| 5) Bromomethane               | 2.75 | 94  | 10436  | 26.419  | ug/l 99  |
| 6) Chloroethane               | 2.91 | 64  | 9504   | 21.488  | ug/l 93  |
| 7) Trichlorofluoromethane     | 3.26 | 101 | 32393  | 21.077  | ug/l 97  |
| 8) Diethyl Ether              | 3.69 | 74  | 10097  | 23.569  | ug/l 96  |
| 9) 1,1,2-Trichlorotrifluoroet | 4.07 | 101 | 18562  | 19.993  | ug/l 97  |
| 10) Methyl Iodide             | 4.28 | 142 | 16748  | 21.176  | ug/l 100 |
| 11) Tert butyl alcohol        | 5.16 | 59  | 9175   | 102.441 | ug/l 98  |
| 12) 1,1-Dichloroethene        | 4.04 | 96  | 18293  | 21.025  | ug/l 92  |
| 13) Acrolein                  | 3.90 | 56  | 5560   | 93.790  | ug/l 100 |
| 14) Allyl chloride            | 4.67 | 41  | 29459  | 21.123  | ug/l 98  |
| 15) Acrylonitrile             | 5.37 | 53  | 20163  | 112.585 | ug/l 99  |
| 16) Acetone                   | 4.12 | 43  | 16381  | 81.788  | ug/l 98  |
| 17) Carbon Disulfide          | 4.38 | 76  | 56733  | 19.782  | ug/l 96  |
| 18) Methyl Acetate            | 4.68 | 43  | 11162  | 24.415  | ug/l 96  |
| 19) Methyl tert-butyl Ether   | 5.43 | 73  | 47748  | 23.309  | ug/l 98  |
| 20) Methylene Chloride        | 4.92 | 84  | 25611  | 22.526  | ug/l 98  |
| 21) trans-1,2-Dichloroethene  | 5.43 | 96  | 21117  | 21.737  | ug/l 98  |
| 22) Diisopropyl ether         | 6.32 | 45  | 55793  | 22.285  | ug/l 98  |
| 23) Vinyl Acetate             | 6.26 | 43  | 150110 | 109.885 | ug/l 97  |
| 24) 1,1-Dichloroethane        | 6.22 | 63  | 36215  | 22.569  | ug/l 99  |
| 25) 2-Butanone                | 7.17 | 43  | 23242  | 100.107 | ug/l 99  |
| 26) 2,2-Dichloropropane       | 7.18 | 77  | 29969  | 19.435  | ug/l 100 |
| 27) cis-1,2-Dichloroethene    | 7.18 | 96  | 23632  | 22.692  | ug/l 99  |
| 28) Bromochloromethane        | 7.52 | 49  | 12956  | 22.392  | ug/l 98  |
| 29) Tetrahydrofuran           | 7.53 | 42  | 16047  | 111.847 | ug/l 100 |
| 30) Chloroform                | 7.68 | 83  | 38364  | 23.005  | ug/l 97  |
| 31) Cyclohexane               | 7.96 | 56  | 32744  | 19.503  | ug/l 97  |
| 32) 1,1,1-Trichloroethane     | 7.87 | 97  | 35431  | 22.576  | ug/l 99  |
| 36) 1,1-Dichloropropene       | 8.09 | 75  | 29393  | 20.468  | ug/l 99  |
| 37) Ethyl Acetate             | 7.26 | 43  | 11365  | 21.878  | ug/l 99  |
| 38) Carbon Tetrachloride      | 8.07 | 117 | 29035  | 19.809  | ug/l 97  |

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 Quant Title : SW846 8260  
 QLast Update : Wed Dec 05 01:35:23 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 39) Methylcyclohexane          | 9.34  | 83   | 36530    | 19.002  | ug/l  | 97       |
| 40) Benzene                    | 8.32  | 78   | 83740    | 21.265  | ug/l  | 98       |
| 41) Methacrylonitrile          | 7.49  | 41   | 7002     | 22.504  | ug/l  | 99       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 24783    | 22.519  | ug/l  | 100      |
| 43) Isopropyl Acetate          | 8.43  | 43   | 21782    | 21.590  | ug/l  | 98       |
| 44) Trichloroethene            | 9.09  | 130  | 24349    | 21.997  | ug/l  | 95       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 19517    | 21.298  | ug/l  | 97       |
| 46) Dibromomethane             | 9.46  | 93   | 10714    | 22.500  | ug/l  | 95       |
| 47) Bromodichloromethane       | 9.65  | 83   | 27735    | 22.143  | ug/l  | 97       |
| 48) Methyl methacrylate        | 9.44  | 41   | 10465    | 19.986  | ug/l  | 94       |
| 49) 1,4-Dioxane                | 9.45  | 88   | 3633     | 436.749 | ug/l  | 98       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 51837    | 104.260 | ug/l  | 99       |
| 52) Toluene                    | 10.39 | 92   | 58539    | 21.370  | ug/l  | 100      |
| 53) t-1,3-Dichloropropene      | 10.61 | 75   | 26956    | 21.406  | ug/l  | 94       |
| 54) cis-1,3-Dichloropropene    | 10.07 | 75   | 31766    | 21.525  | ug/l  | 100      |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 15409    | 22.750  | ug/l  | 91       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 18826    | 21.308  | ug/l  | 99       |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 24809    | 21.695  | ug/l  | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.93  | 63   | 41417    | 116.707 | ug/l  | 100      |
| 59) 2-Hexanone                 | 10.97 | 43   | 35818    | 99.379  | ug/l  | 96       |
| 60) Dibromochloromethane       | 11.13 | 129  | 17757    | 21.331  | ug/l  | 99       |
| 61) 1,2-Dibromoethane          | 11.24 | 107  | 14824    | 22.819  | ug/l  | 93       |
| 64) Tetrachloroethene          | 10.87 | 164  | 21670    | 22.276  | ug/l  | 95       |
| 65) Chlorobenzene              | 11.66 | 112  | 62218    | 20.923  | ug/l  | 92       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.73 | 131  | 20090    | 21.876  | ug/l  | 98       |
| 67) Ethyl Benzene              | 11.73 | 91   | 111551   | 20.582  | ug/l  | 99       |
| 68) m/p-Xylenes                | 11.84 | 106  | 90540    | 42.583  | ug/l  | 98       |
| 69) o-Xylene                   | 12.17 | 106  | 43177    | 21.735  | ug/l  | 99       |
| 70) Styrene                    | 12.18 | 104  | 69379    | 21.335  | ug/l  | 99       |
| 71) Bromoform                  | 12.35 | 173  | 10049    | 21.859  | ug/l  | # 99     |
| 73) Isopropylbenzene           | 12.47 | 105  | 114959   | 21.729  | ug/l  | 100      |
| 74) N-amyl acetate             | 12.27 | 43   | 20762    | 22.134  | ug/l  | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.72 | 83   | 15667    | 22.801  | ug/l  | 98       |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 22255    | 44.185  | ug/l  | # 100    |
| 77) Bromobenzene               | 12.75 | 156  | 26372    | 23.093  | ug/l  | 96       |
| 78) n-propylbenzene            | 12.81 | 91   | 132297   | 20.989  | ug/l  | 98       |
| 79) 2-Chlorotoluene            | 12.90 | 91   | 79007    | 22.197  | ug/l  | 97       |
| 80) 1,3,5-Trimethylbenzene     | 12.95 | 105  | 97869    | 21.624  | ug/l  | 97       |
| 81) trans-1,4-Dichloro-2-buten | 12.52 | 75   | 4507     | 19.286  | ug/l  | 89       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 80163    | 21.170  | ug/l  | 100      |
| 83) tert-Butylbenzene          | 13.21 | 119  | 87624    | 22.154  | ug/l  | 96       |
| 84) 1,2,4-Trimethylbenzene     | 13.26 | 105  | 97592    | 21.123  | ug/l  | 94       |
| 85) sec-Butylbenzene           | 13.39 | 105  | 117977   | 20.894  | ug/l  | 100      |
| 86) p-Isopropyltoluene         | 13.51 | 119  | 104400   | 20.769  | ug/l  | 99       |
| 87) 1,3-Dichlorobenzene        | 13.51 | 146  | 51224    | 21.850  | ug/l  | 99       |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 52349    | 22.106  | ug/l  | 98       |
| 89) n-Butylbenzene             | 13.83 | 91   | 98841    | 21.043  | ug/l  | 95       |
| 90) Hexachloroethane           | 14.10 | 117  | 16311    | 21.294  | ug/l  | 99       |
| 91) 1,2-Dichlorobenzene        | 13.88 | 146  | 45511    | 22.424  | ug/l  | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.49 | 75   | 3101     | 23.297  | ug/l  | 89       |

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Sample : VW1205SBS02  
Misc : 5.00G/5ML/MSVOA W/SOIL  
ALS Vial : 35 Sample Multiplier: 1

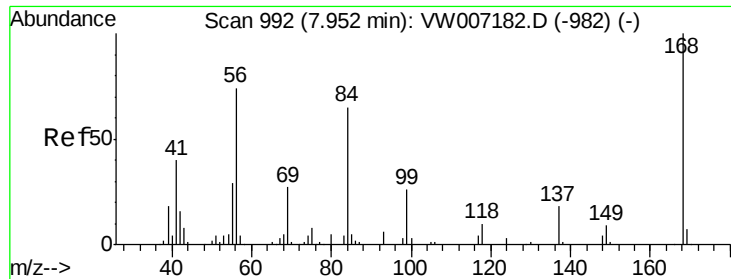
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1205SBS02

Quant Time: Dec 06 06:27:20 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W120418S.M  
Quant Title : SW846 8260  
QLast Update : Wed Dec 05 01:35:23 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.14 | 180  | 29017    | 20.631 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.24 | 225  | 15756    | 20.774 | ug/l  | 98       |
| 95) Naphthalene            | 15.37 | 128  | 52120    | 20.677 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.56 | 180  | 24701    | 20.828 | ug/l  | 100      |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007257.D

Acq: 06 Dec 2018 04:31

Instrument :

MSVOA\_W

ClientSampleId :

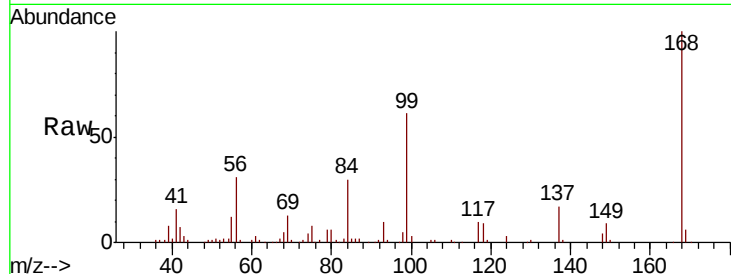
VW1205SBS02

Tot Ion:168 Resp: 90870

Ion Ratio Lower Upper

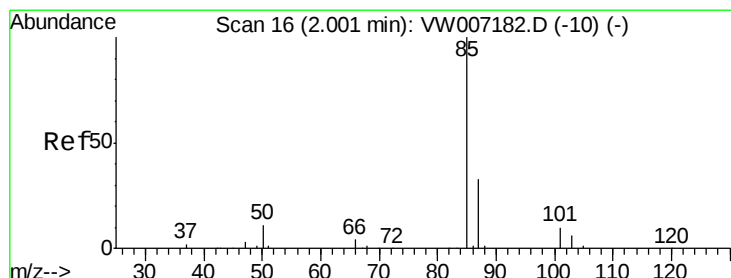
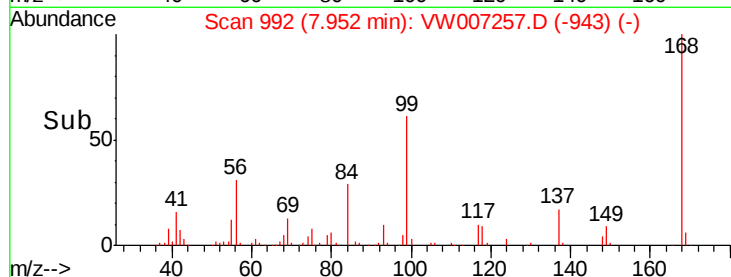
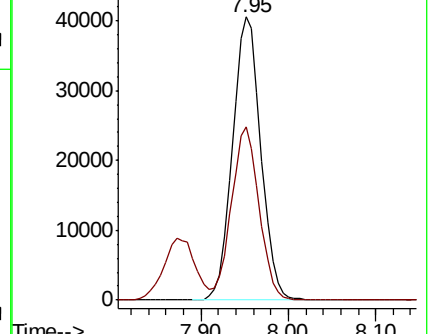
168 100

99 61.1 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 21.479 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW007257.D

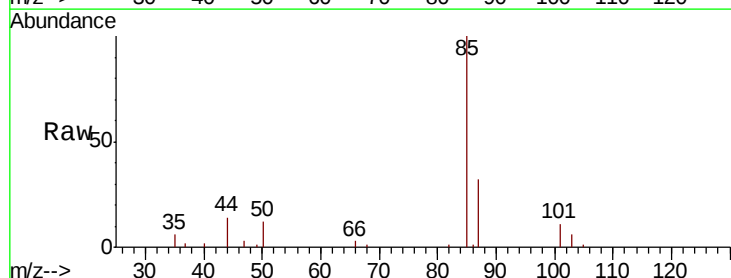
Acq: 06 Dec 2018 04:31

Tgt Ion: 85 Resp: 21354

Ion Ratio Lower Upper

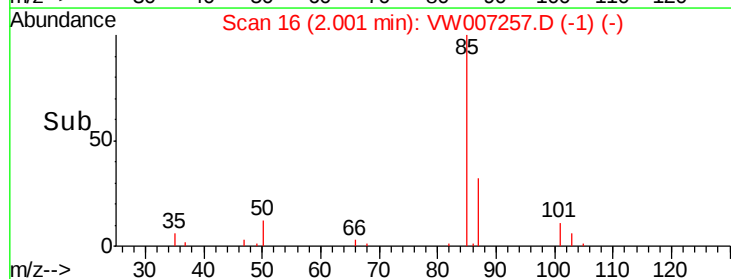
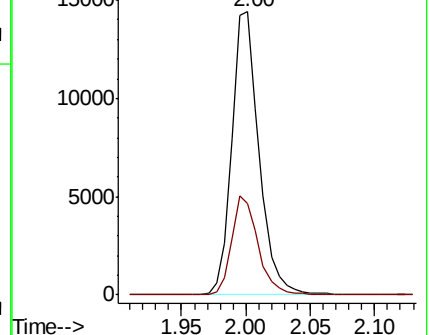
85 100

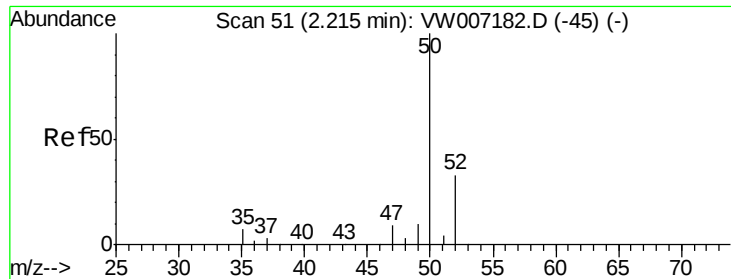
87 32.4 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 20.556 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW007257.D

Acq: 06 Dec 2018 04:31

Instrument :

MSVOA\_W

ClientSampleId :

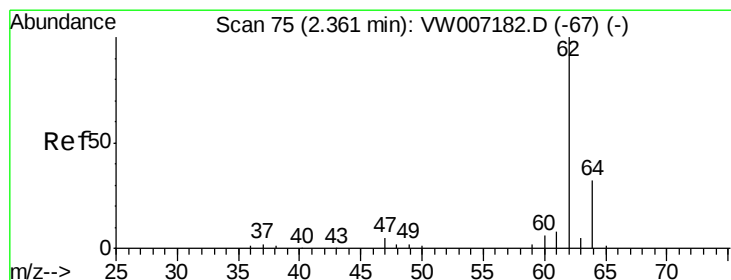
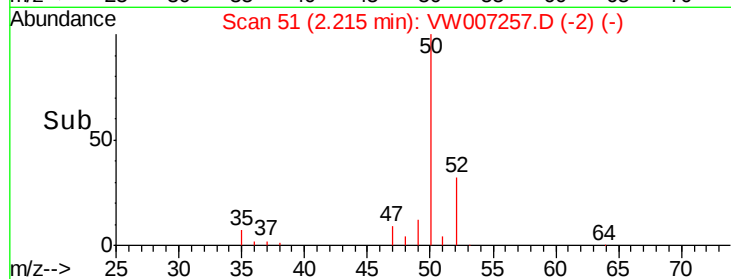
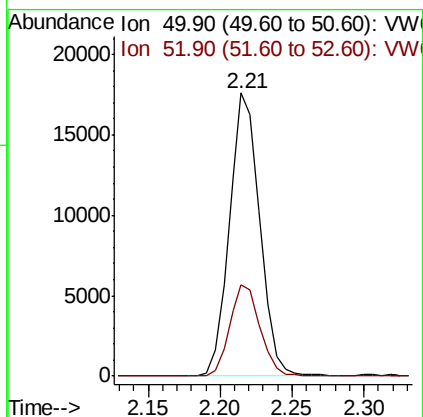
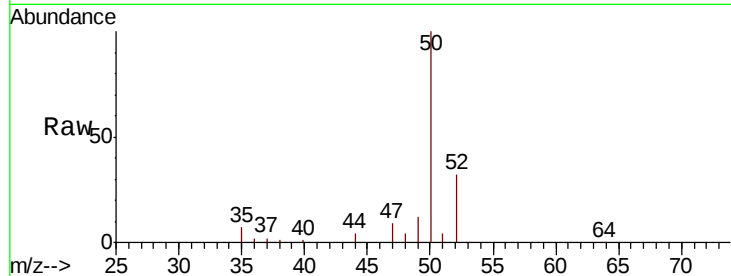
VW1205SBS02

Tot Ion: 50 Resp: 25881

Ion Ratio Lower Upper

50 100

52 32.3 26.2 39.2



#4

Vinyl Chloride

Concen: 21.503 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW007257.D

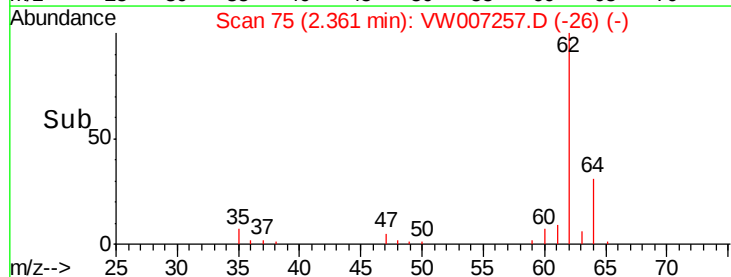
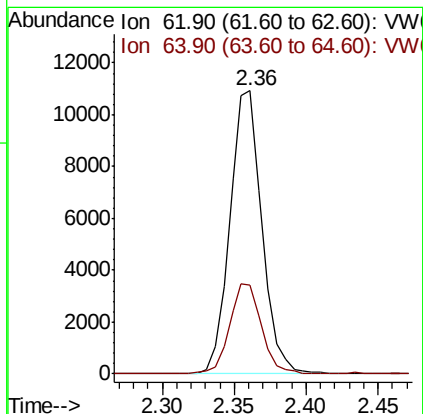
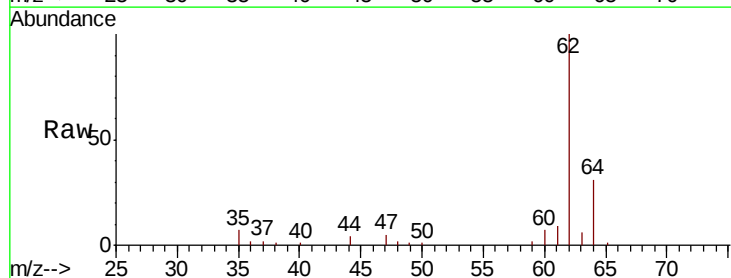
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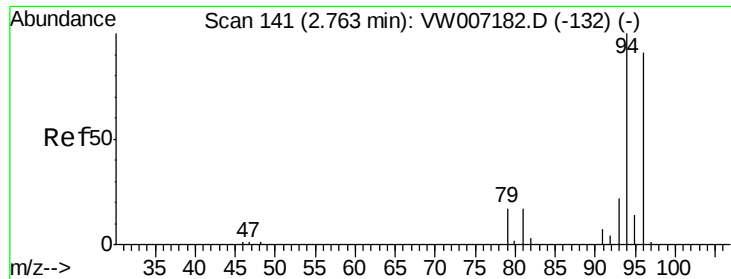
Tgt Ion: 62 Resp: 16951

Ion Ratio Lower Upper

62 100

64 31.3 25.3 37.9

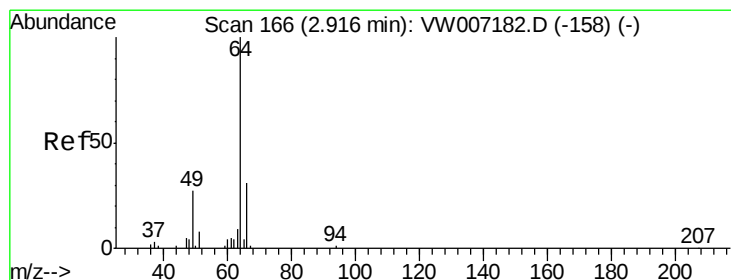
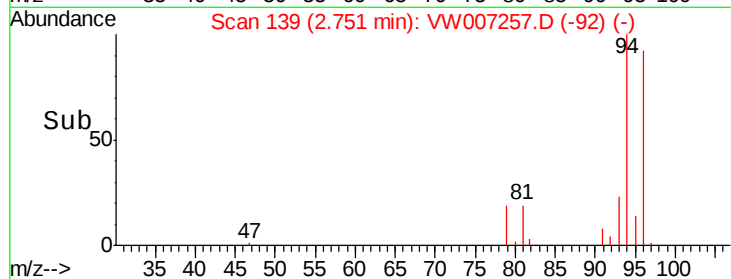
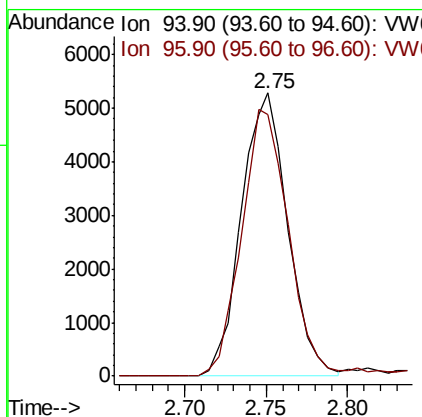
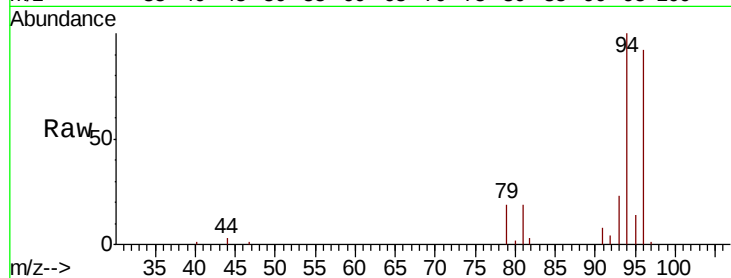




#5  
Bromomethane  
Concen: 26.419 ug/l  
RT: 2.75 min Scan# 139  
Delta R.T. -0.01 min  
Lab File: VW007257.D  
Acq: 06 Dec 2018 04:31

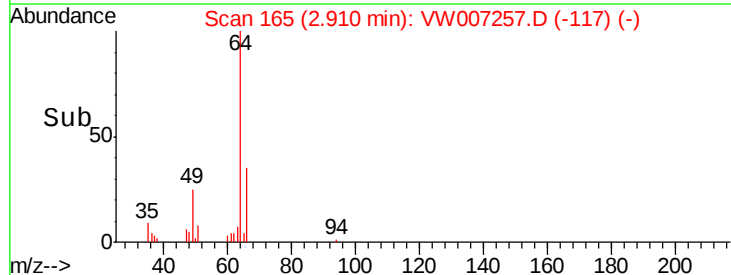
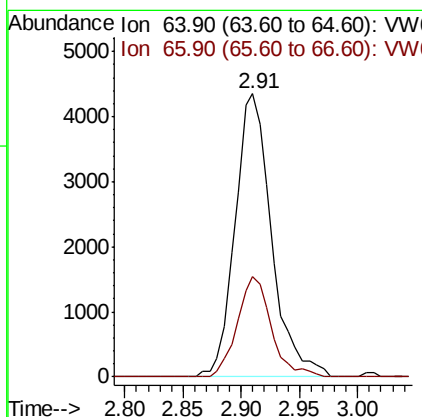
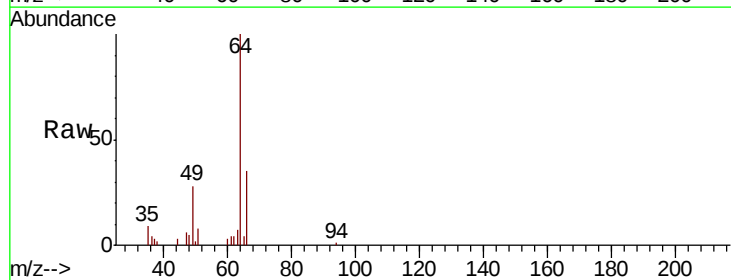
Instrument :  
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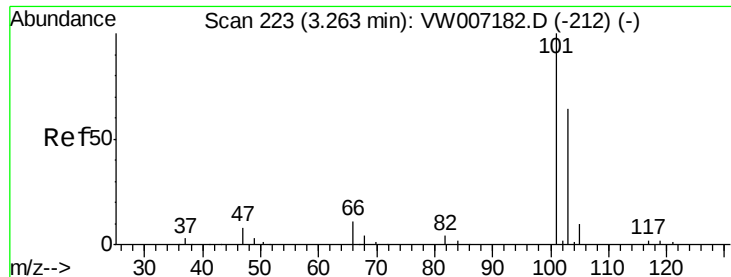
Tot Ion: 94 Resp: 10436  
Ion Ratio Lower Upper  
94 100  
96 92.3 72.8 109.2



#6  
Chloroethane  
Concen: 21.488 ug/l  
RT: 2.91 min Scan# 165  
Delta R.T. -0.01 min  
Lab File: VW007257.D  
Acq: 06 Dec 2018 04:31

Tgt Ion: 64 Resp: 9504  
Ion Ratio Lower Upper  
64 100  
66 35.4 25.0 37.6



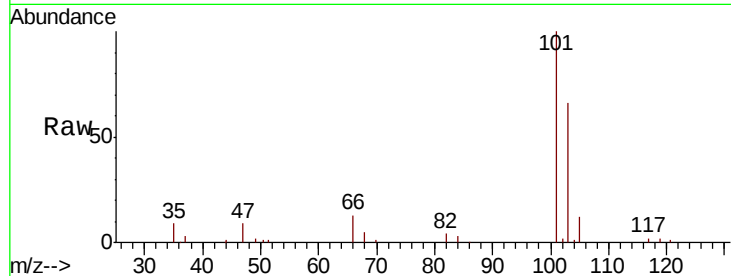


#7

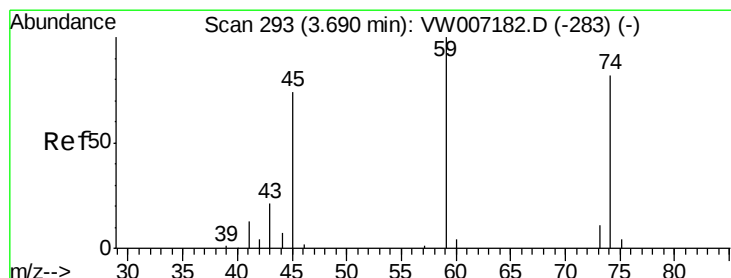
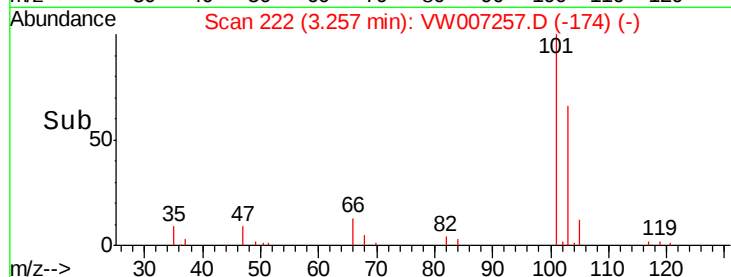
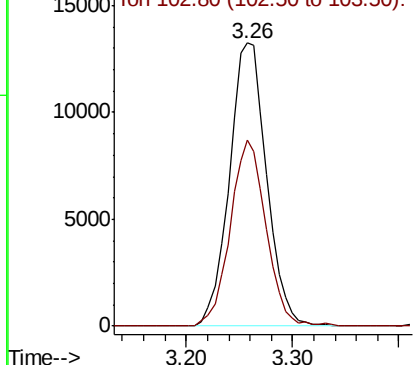
Trichlorofluoromethane  
 Concen: 21.077 ug/l  
 RT: 3.26 min Scan# 222  
 Delta R.T. -0.01 min  
 Lab File: VW007257.D  
 Acq: 06 Dec 2018 04:31

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW1205SBS02

Tot Ion:101 Resp: 32393  
 Ion Ratio Lower Upper  
 101 100  
 103 65.8 50.9 76.3



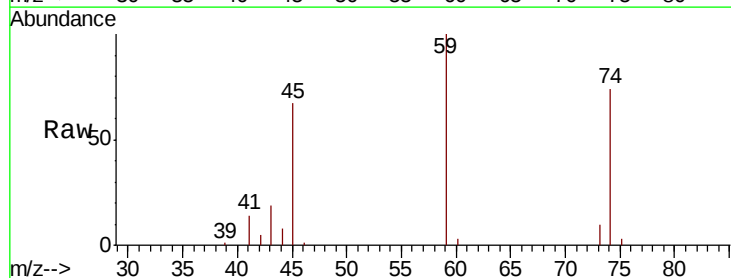
Abundance Ion 100.90 (100.60 to 101.60): V  
 Ion 102.80 (102.50 to 103.50): V



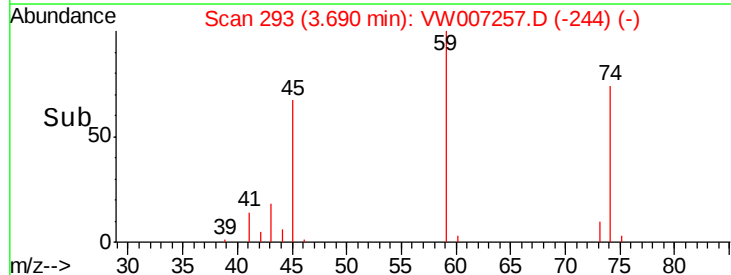
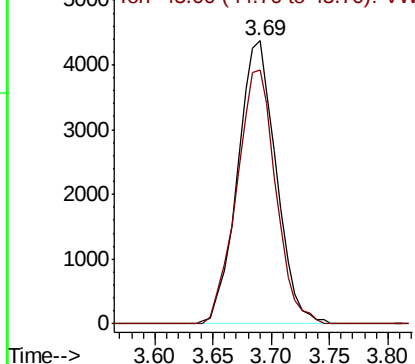
#8

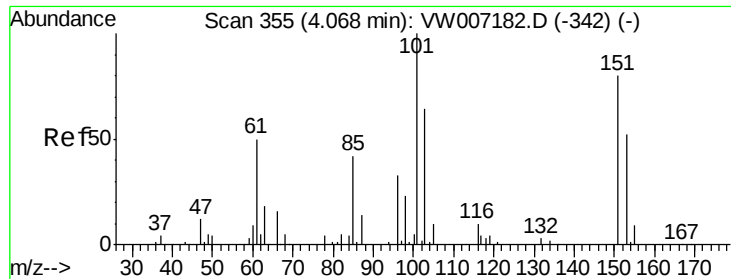
Diethyl Ether  
 Concen: 23.569 ug/l  
 RT: 3.69 min Scan# 293  
 Delta R.T. 0.00 min  
 Lab File: VW007257.D  
 Acq: 06 Dec 2018 04:31

Tgt Ion: 74 Resp: 10097  
 Ion Ratio Lower Upper  
 74 100  
 45 90.7 47.2 141.6



Abundance Ion 74.00 (73.70 to 74.70): VW  
 Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.993 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW007257.D

Acq: 06 Dec 2018 04:31

Instrument :

MSVOA\_W

ClientSampleId :

VW1205SBS02

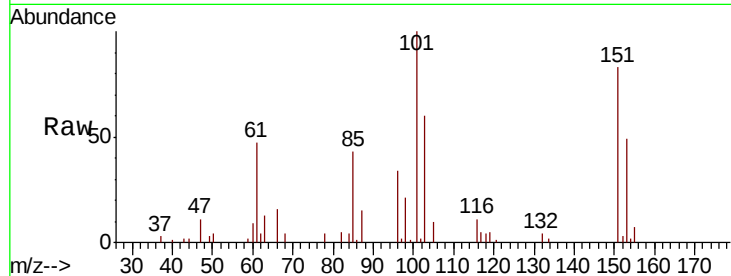
Tot Ion:101 Resp: 18562

Ion Ratio Lower Upper

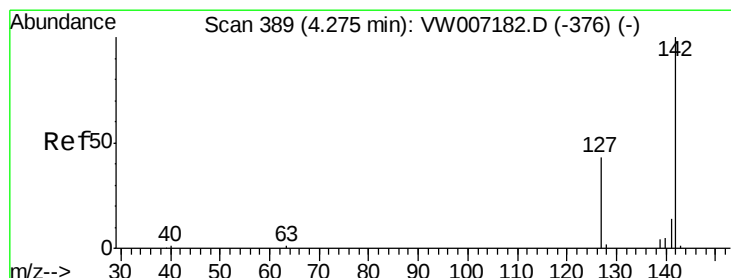
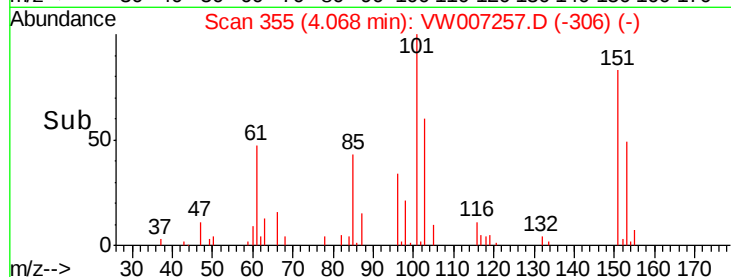
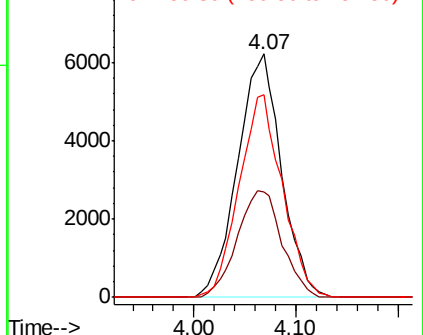
101 100

85 44.6 33.4 50.2

151 81.9 63.9 95.9



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: 21.176 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.00 min

Lab File: VW007257.D

Acq: 06 Dec 2018 04:31

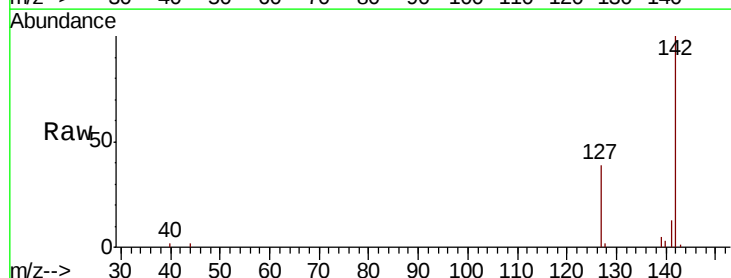
Tgt Ion:142 Resp: 16748

Ion Ratio Lower Upper

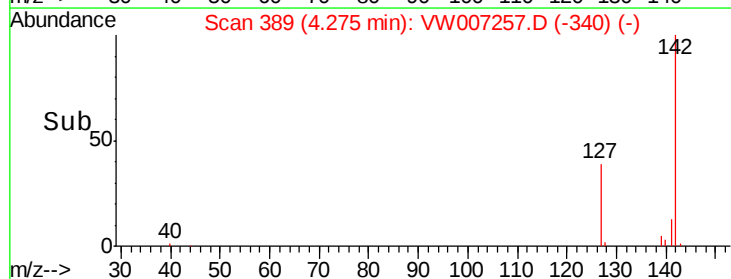
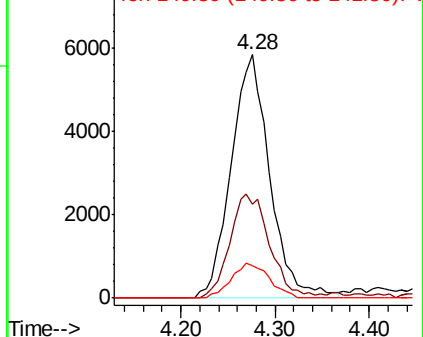
142 100

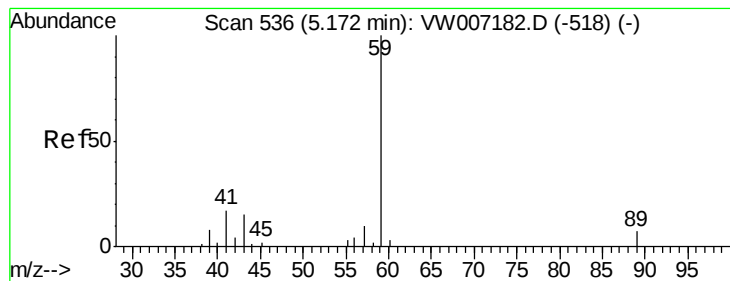
127 43.7 34.9 52.3

141 14.0 11.7 17.5



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



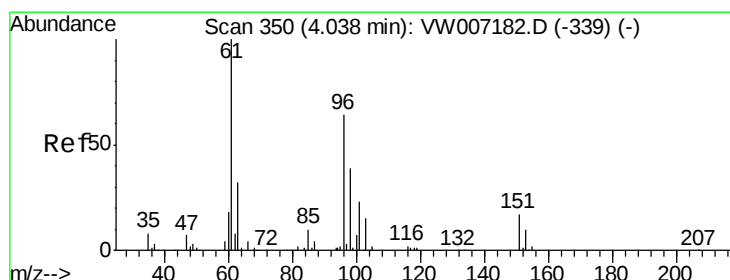
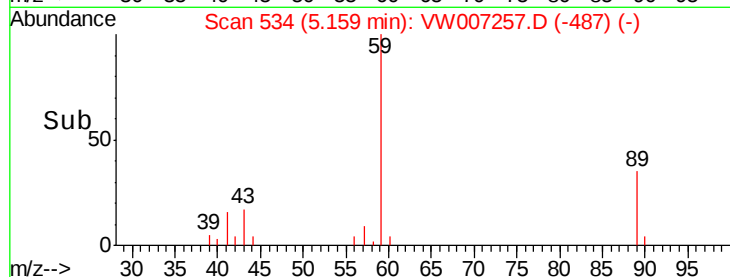
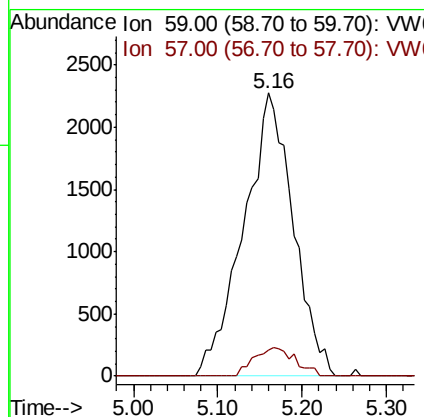
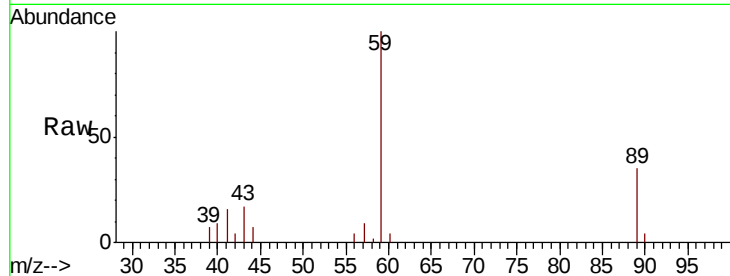


#11

Tert butyl alcohol  
 Concen: 102.441 ug/l  
 RT: 5.16 min Scan# 534  
 Delta R.T. -0.01 min  
 Lab File: VW007257.D  
 Acq: 06 Dec 2018 04:31

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW1205SBS02

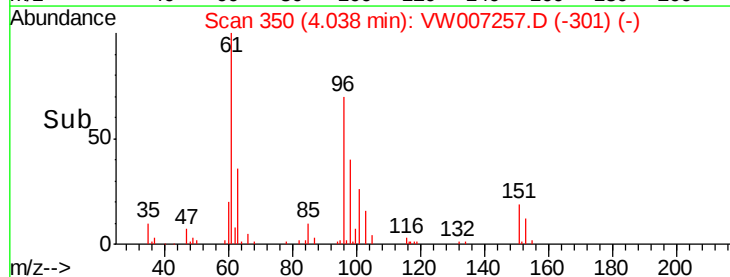
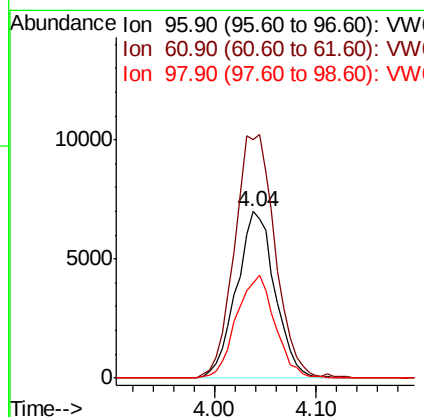
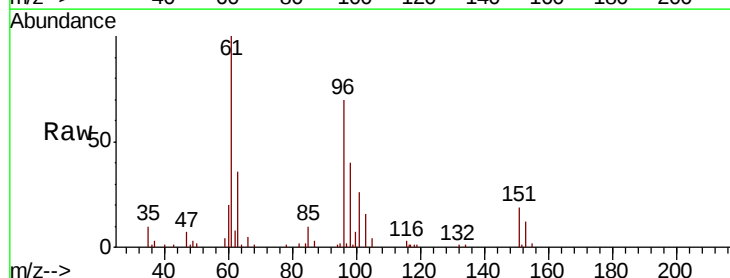
Tot Ion: 59 Resp: 9175  
 Ion Ratio Lower Upper  
 59 100  
 57 8.3 7.1 10.7

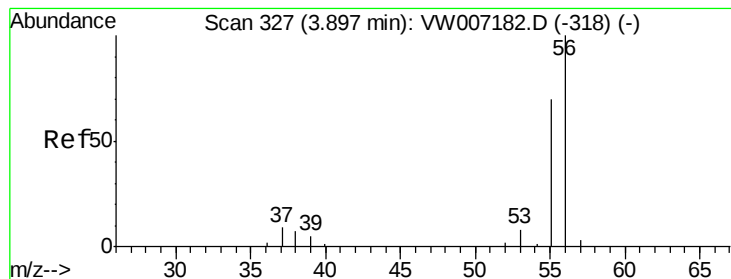


#12

1,1-Dichloroethene  
 Concen: 21.025 ug/l  
 RT: 4.04 min Scan# 350  
 Delta R.T. 0.00 min  
 Lab File: VW007257.D  
 Acq: 06 Dec 2018 04:31

Tgt Ion: 96 Resp: 18293  
 Ion Ratio Lower Upper  
 96 100  
 61 142.9 124.1 186.1  
 98 57.2 48.6 72.8





#13

Acrolein

Concen: 93.790 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.00 min

Lab File: VW007257.D

Acq: 06 Dec 2018 04:31

Instrument :

MSVOA\_W

ClientSampleId :

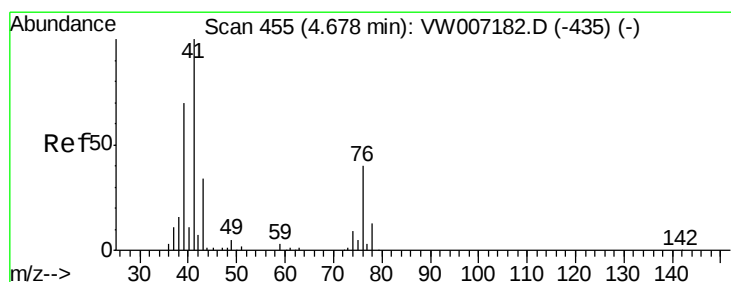
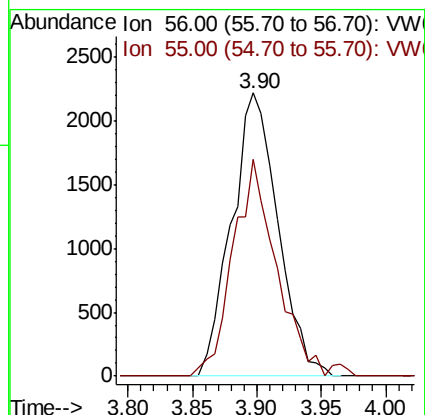
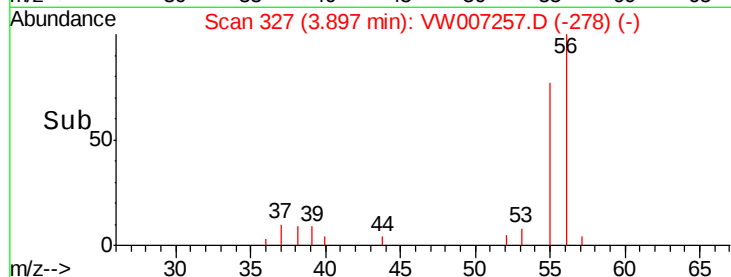
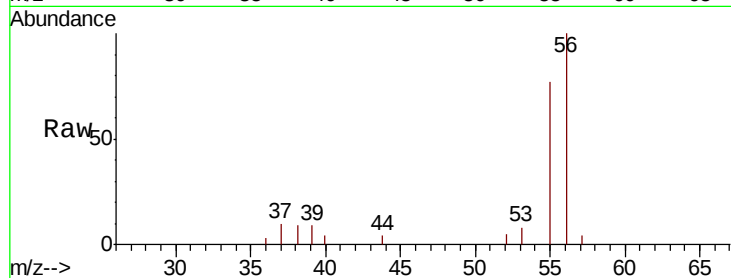
VW1205SBS02

Tot Ion: 56 Resp: 5560

Ion Ratio Lower Upper

56 100

55 71.0 56.9 85.3



#14

Allyl chloride

Concen: 21.123 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW007257.D

Acq: 06 Dec 2018 04:31

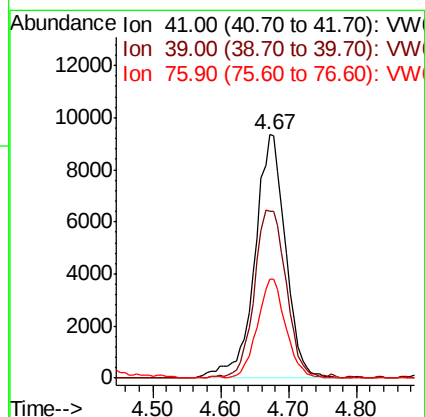
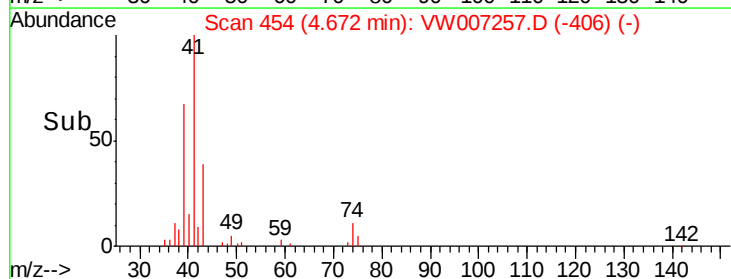
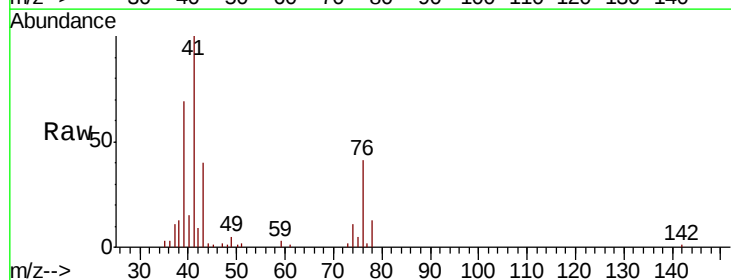
Tgt Ion: 41 Resp: 29459

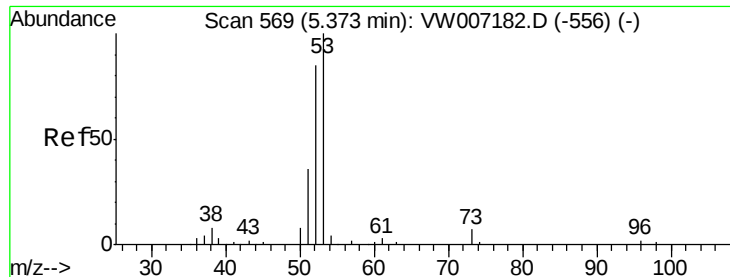
Ion Ratio Lower Upper

41 100

39 71.6 55.9 83.9

76 37.7 30.8 46.2





#15

Acrylonitrile

Concen: 112.585 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW007257.D

Acq: 06 Dec 2018 04:31

Instrument :

MSVOA\_W

ClientSampleId :

VW1205SBS02

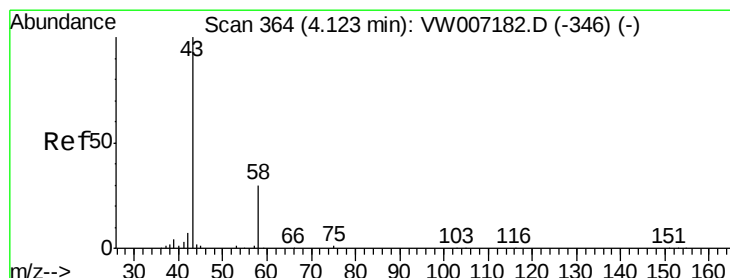
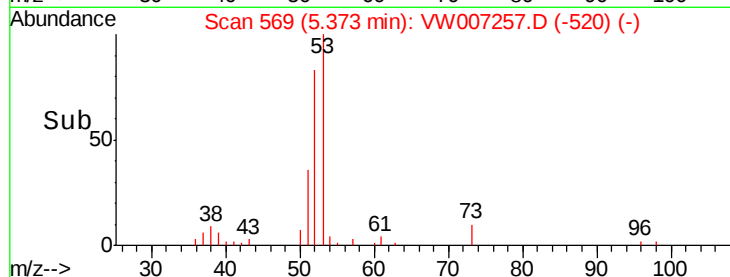
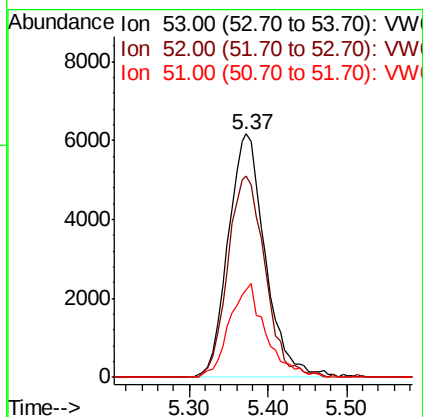
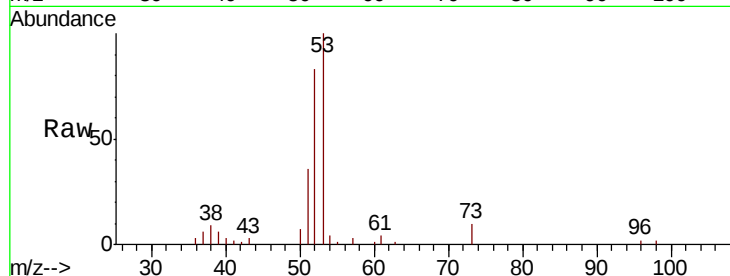
Tot Ion: 53 Resp: 20163

Ion Ratio Lower Upper

53 100

52 83.2 66.1 99.1

51 37.7 30.3 45.5



#16

Acetone

Concen: 81.788 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW007257.D

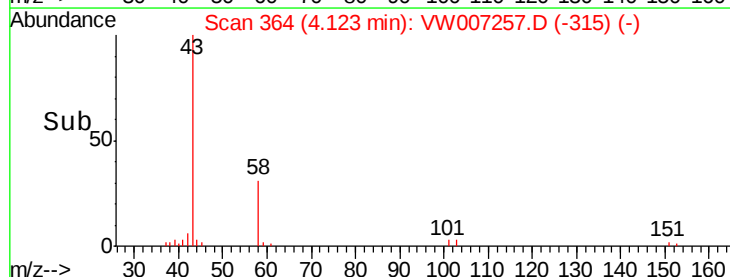
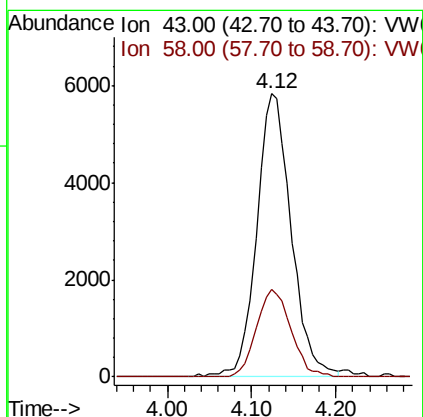
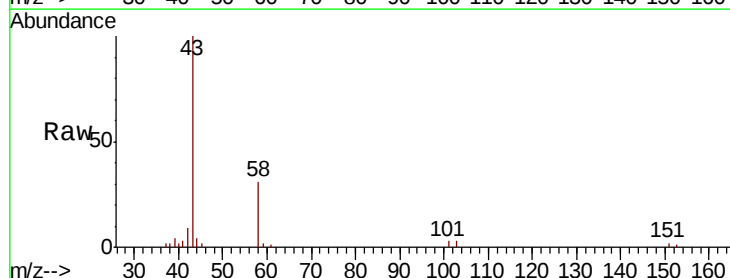
Acq: 06 Dec 2018 04:31

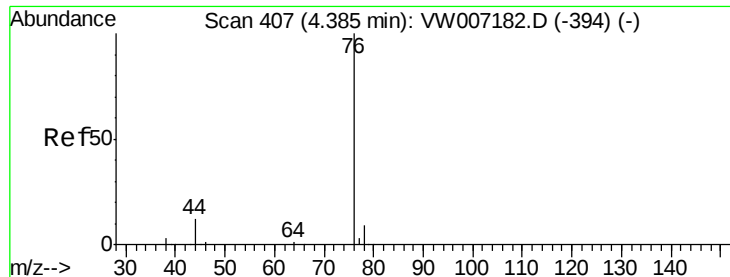
Tgt Ion: 43 Resp: 16381

Ion Ratio Lower Upper

43 100

58 31.0 23.8 35.8

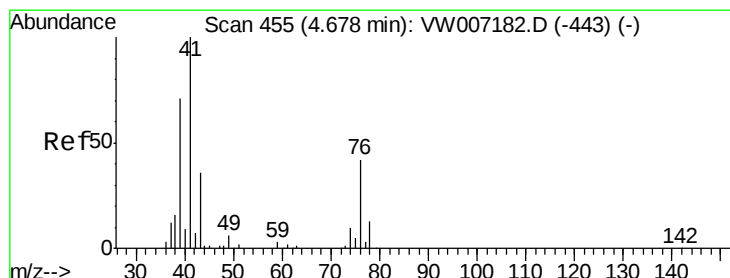
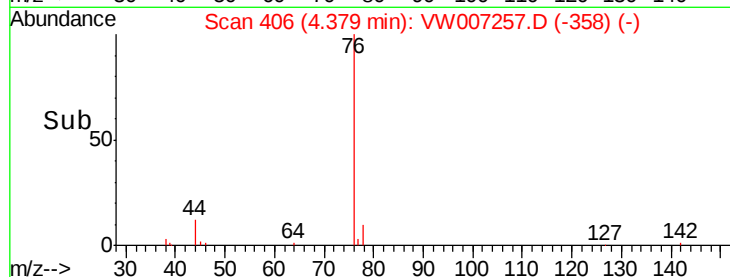
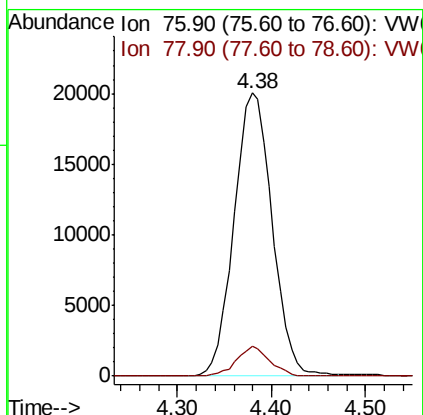
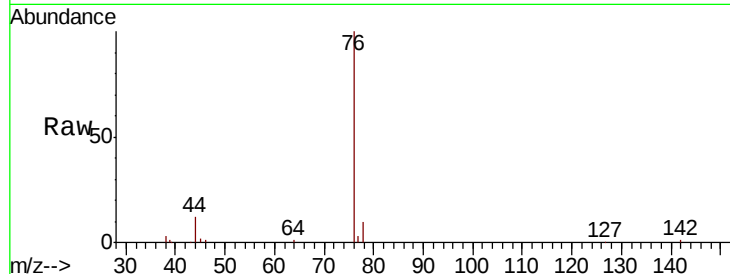




#17  
Carbon Disulfide  
Concen: 19.782 ug/l  
RT: 4.38 min Scan# 406  
Delta R.T. -0.01 min  
Lab File: VW007257.D  
Acq: 06 Dec 2018 04:31

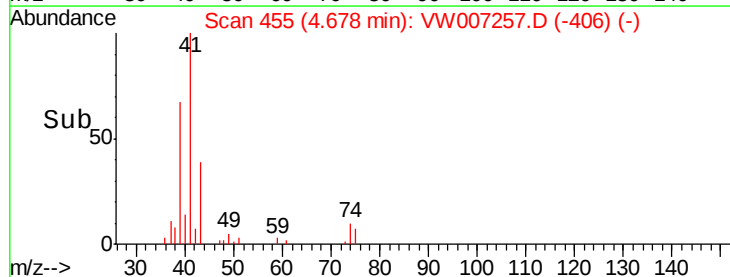
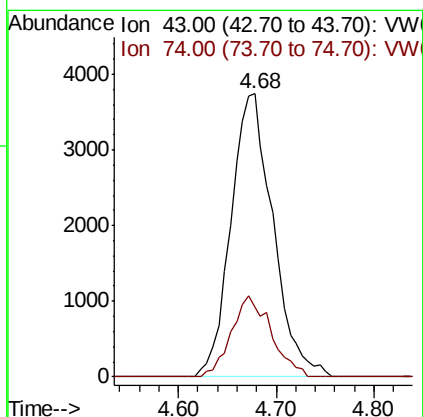
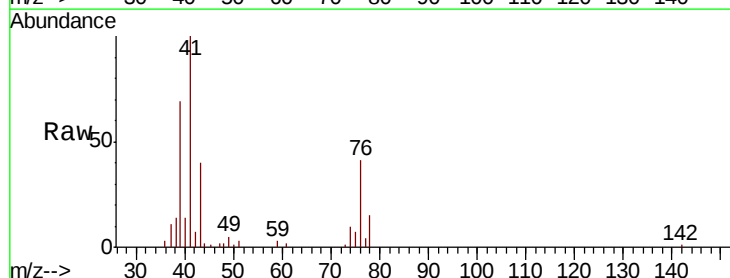
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1205SBS02

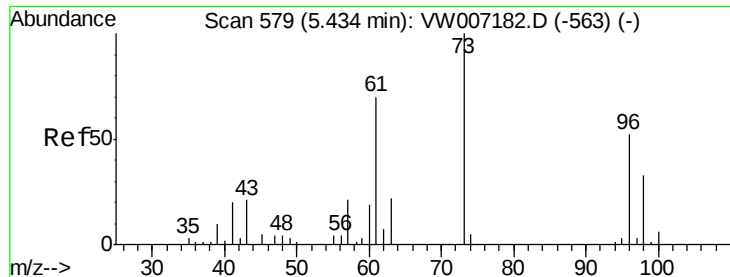
Tot Ion: 76 Resp: 56733  
Ion Ratio Lower Upper  
76 100  
78 10.4 7.2 10.8



#18  
Methyl Acetate  
Concen: 24.415 ug/l  
RT: 4.68 min Scan# 455  
Delta R.T. 0.00 min  
Lab File: VW007257.D  
Acq: 06 Dec 2018 04:31

Tgt Ion: 43 Resp: 11162  
Ion Ratio Lower Upper  
43 100  
74 27.0 20.1 30.1

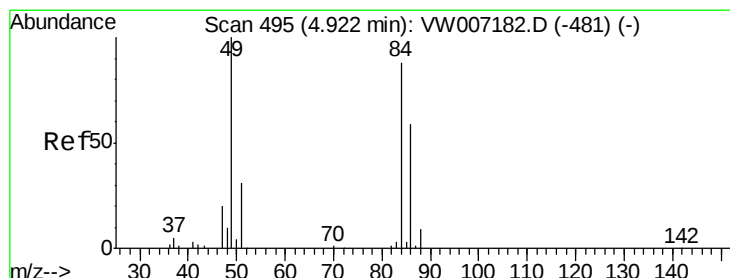
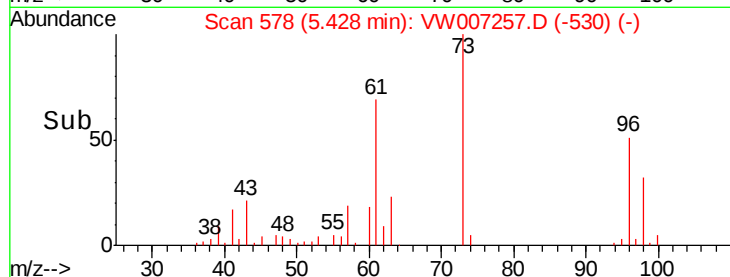
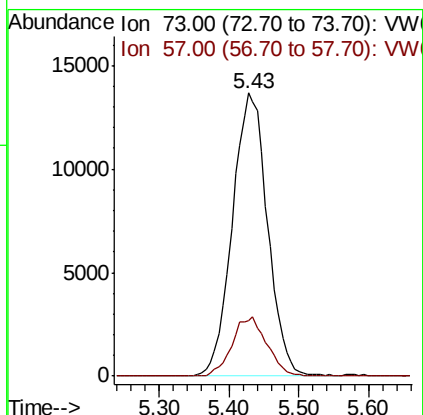
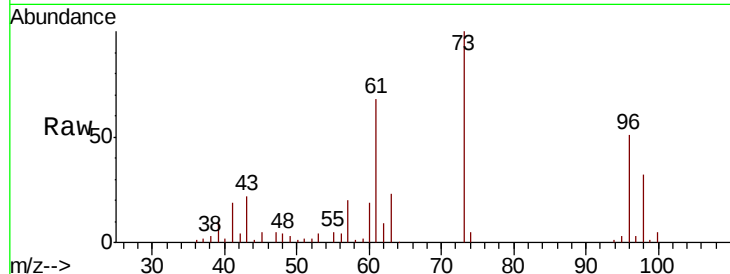




#19  
Methyl tert-butyl Ether  
Concen: 23.309 ug/l  
RT: 5.43 min Scan# 578  
Delta R.T. -0.01 min  
Lab File: VW007257.D  
Acq: 06 Dec 2018 04:31

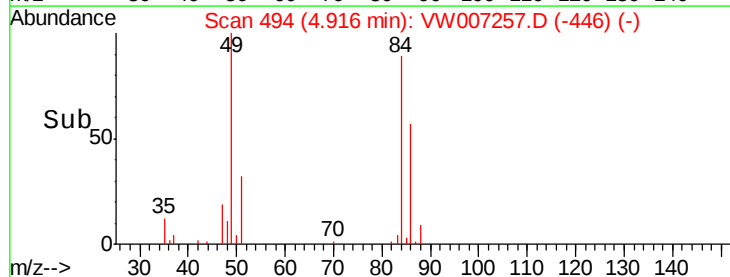
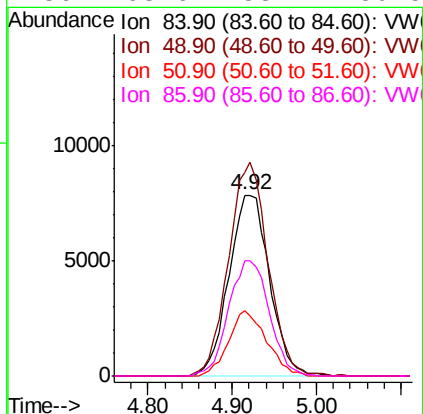
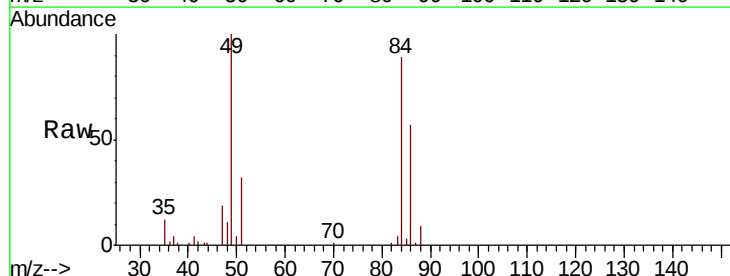
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1205SBS02

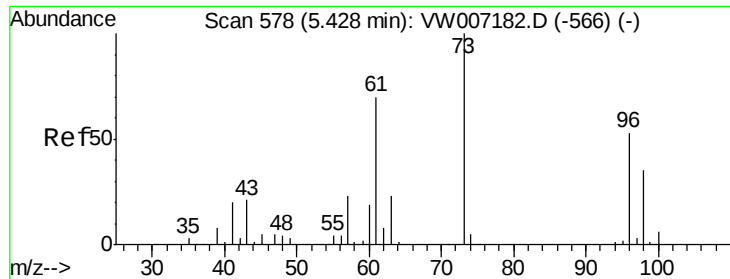
Tot Ion: 73 Resp: 47748  
Ion Ratio Lower Upper  
73 100  
57 19.8 16.6 25.0



#20  
Methylene Chloride  
Concen: 22.526 ug/l  
RT: 4.92 min Scan# 494  
Delta R.T. -0.01 min  
Lab File: VW007257.D  
Acq: 06 Dec 2018 04:31

Tgt Ion: 84 Resp: 25611  
Ion Ratio Lower Upper  
84 100  
49 112.4 90.6 135.8  
51 35.8 27.6 41.4  
86 63.6 53.7 80.5





#21

trans-1,2-Dichloroethene

Concen: 21.737 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW007257.D

Acq: 06 Dec 2018 04:31

Instrument :

MSVOA\_W

ClientSampleId :

VW1205SBS02

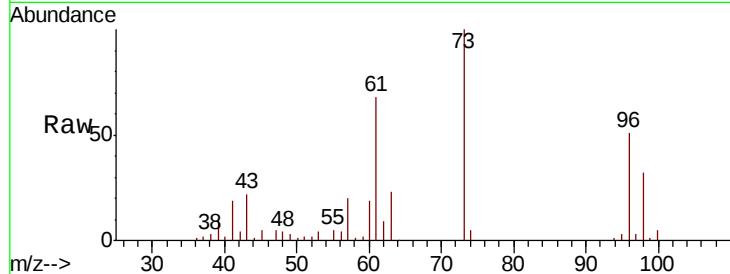
Tot Ion: 96 Resp: 21117

Ion Ratio Lower Upper

96 100

61 134.0 105.5 158.3

98 63.4 52.6 79.0

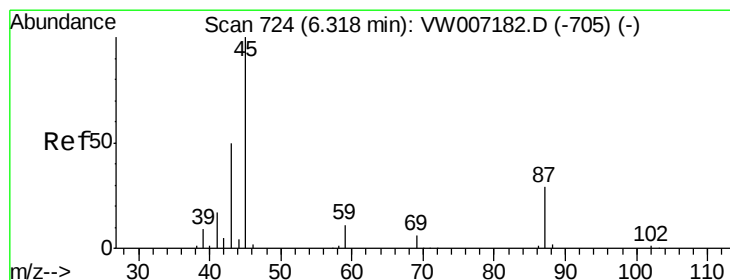
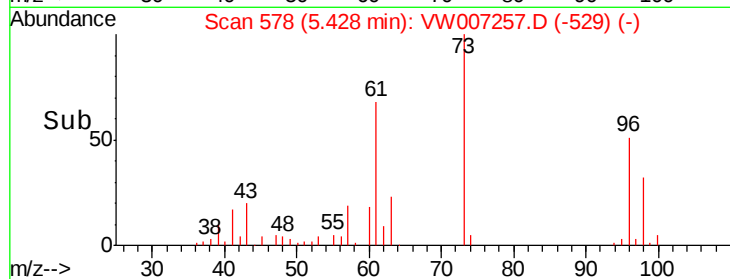
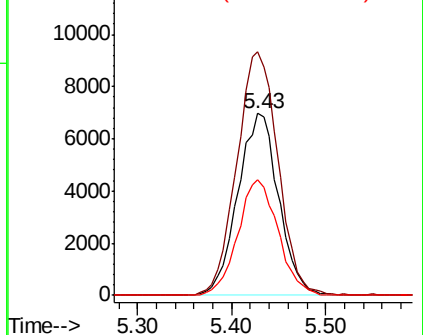


Abundance

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



#22

Diisopropyl ether

Concen: 22.285 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW007257.D

Acq: 06 Dec 2018 04:31

Tgt Ion: 45 Resp: 55793

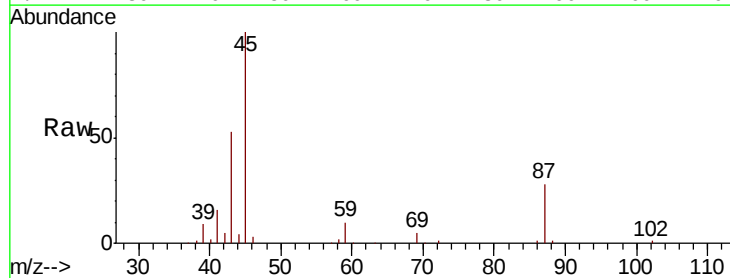
Ion Ratio Lower Upper

45 100

43 51.7 40.8 61.2

87 28.2 24.0 36.0

59 10.4 9.1 13.7



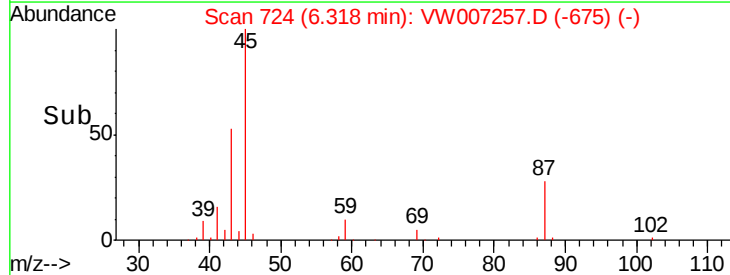
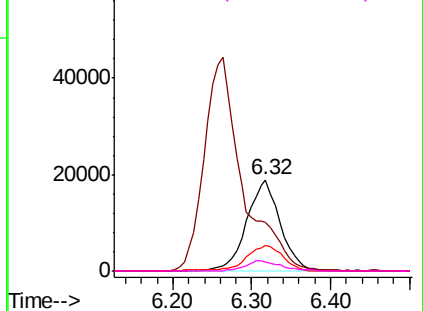
Abundance

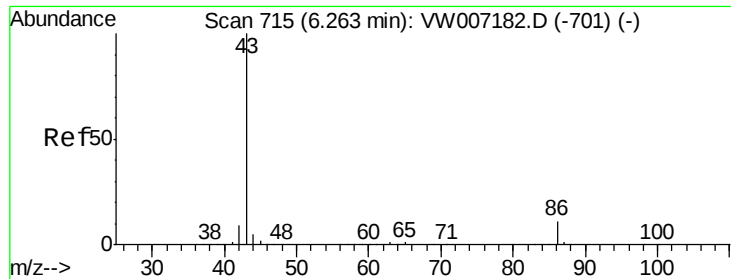
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 109.885 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.00 min

Lab File: VW007257.D

Acq: 06 Dec 2018 04:31

Instrument :

MSVOA\_W

ClientSampleId :

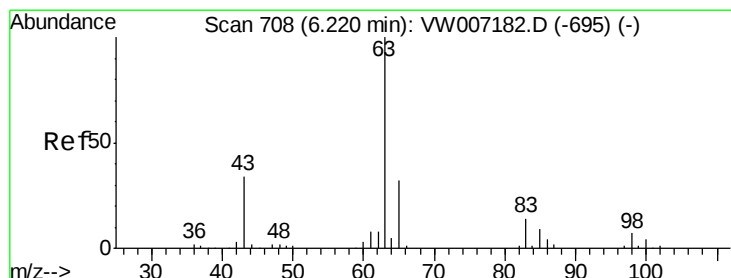
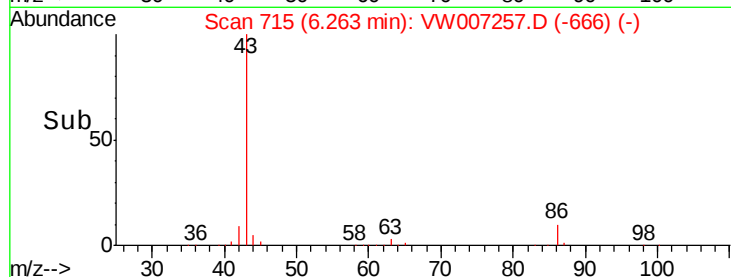
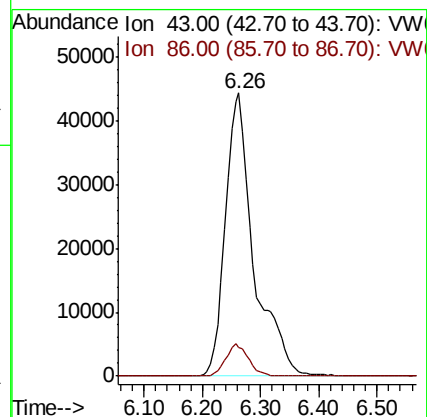
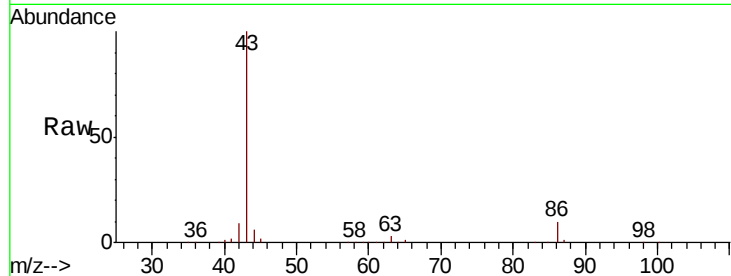
VW1205SBS02

Tot Ion: 43 Resp: 150110

Ion Ratio Lower Upper

43 100

86 10.0 9.0 13.6



#24

1,1-Dichloroethane

Concen: 22.569 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW007257.D

Acq: 06 Dec 2018 04:31

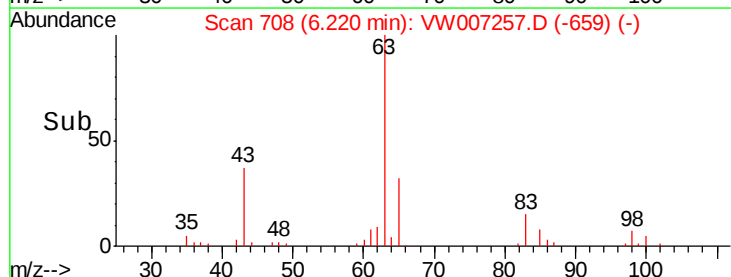
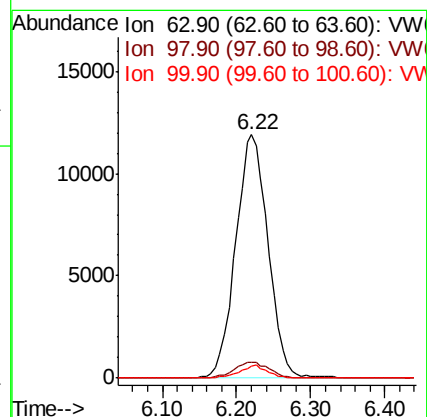
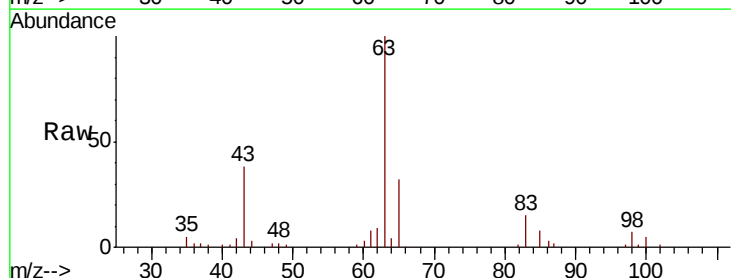
Tgt Ion: 63 Resp: 36215

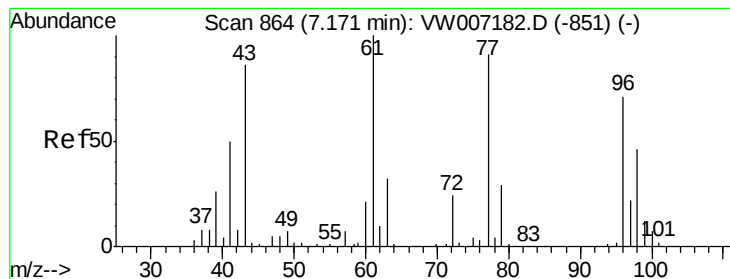
Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.5

100 4.7 2.1 6.2





#25

2-Butanone

Concen: 100.107 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW007257.D

Acq: 06 Dec 2018 04:31

Instrument :

MSVOA\_W

ClientSampleId :

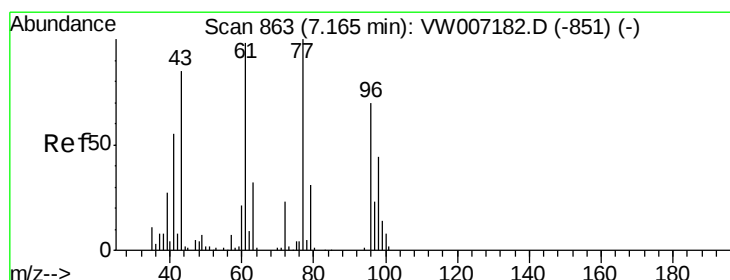
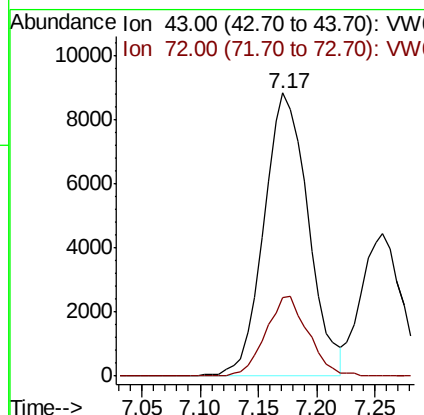
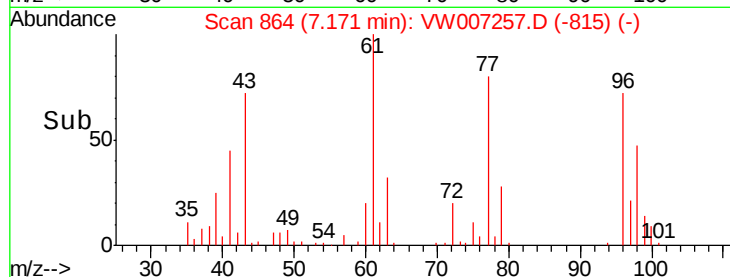
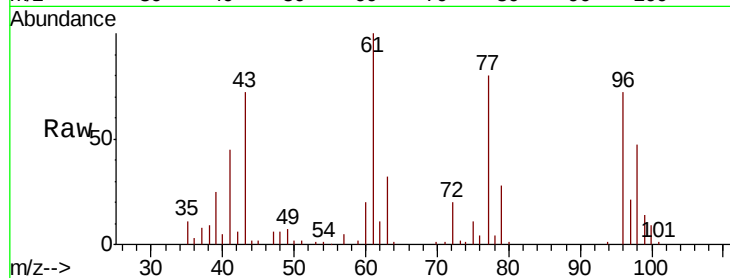
VW1205SBS02

Tot Ion: 43 Resp: 23242

Ion Ratio Lower Upper

43 100

72 28.0 22.8 34.2



#26

2,2-Dichloropropane

Concen: 19.435 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW007257.D

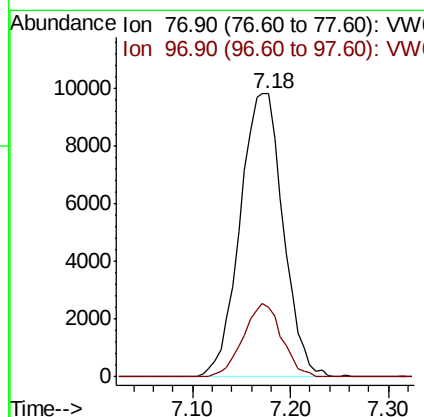
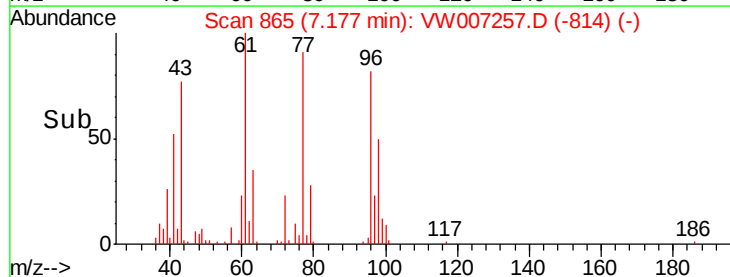
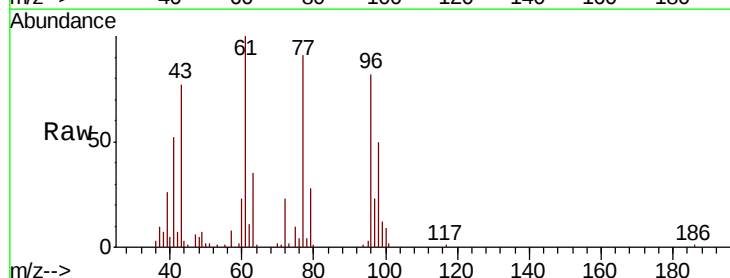
Acq: 06 Dec 2018 04:31

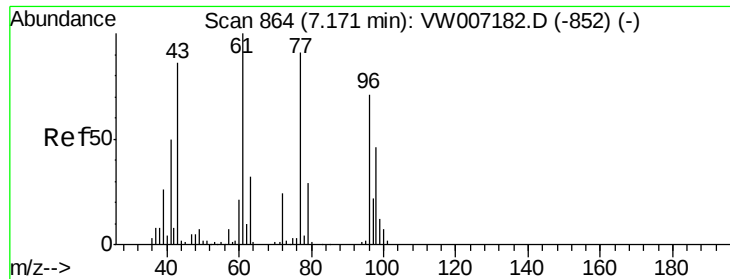
Tgt Ion: 77 Resp: 29969

Ion Ratio Lower Upper

77 100

97 23.1 11.5 34.4



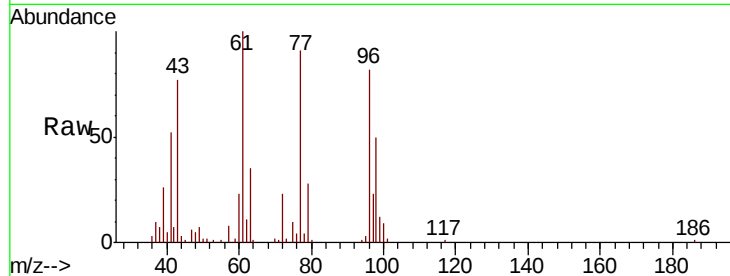


#27

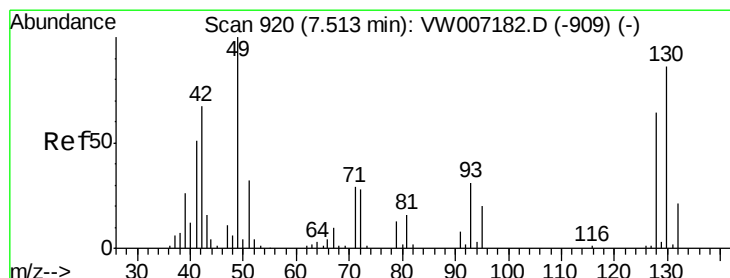
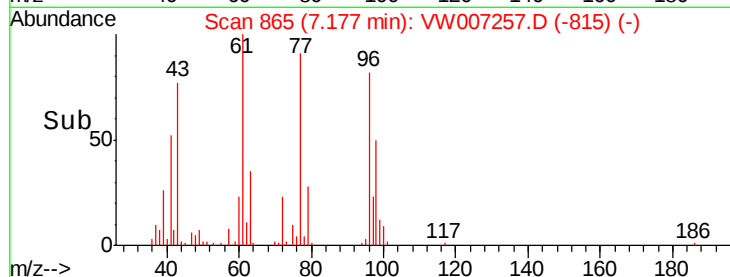
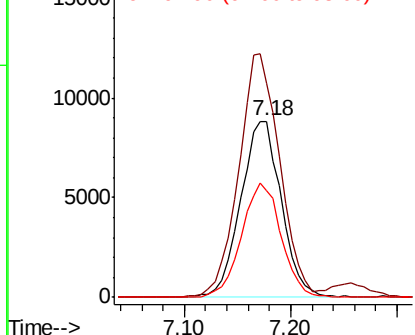
cis-1,2-Dichloroethene  
Concen: 22.692 ug/l  
RT: 7.18 min Scan# 865  
Delta R.T. 0.01 min  
Lab File: VW007257.D  
Acq: 06 Dec 2018 04:31

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1205SBS02

Tot Ion: 96 Resp: 23632  
Ion Ratio Lower Upper  
96 100  
61 140.1 0.0 282.4  
98 63.4 0.0 129.8



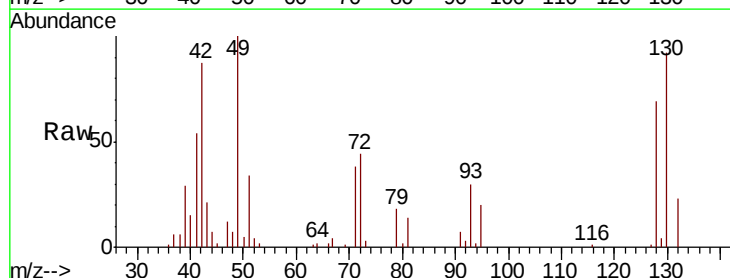
Abundance Ion 95.90 (95.60 to 96.60): VW  
Ion 60.90 (60.60 to 61.60): VW  
Ion 97.90 (97.60 to 98.60): VW



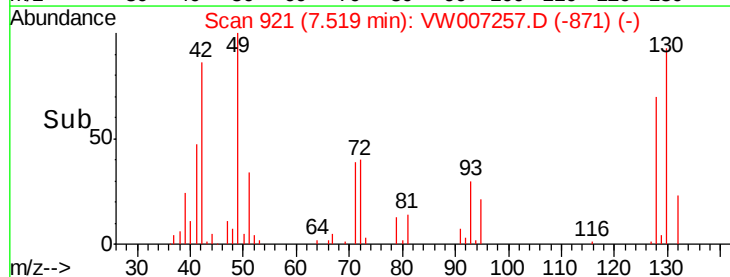
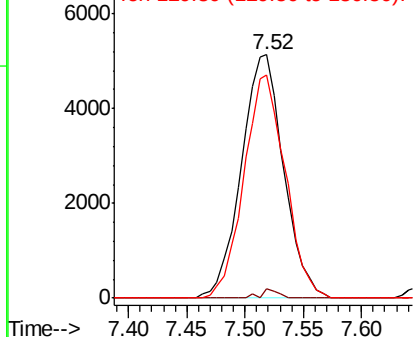
#28

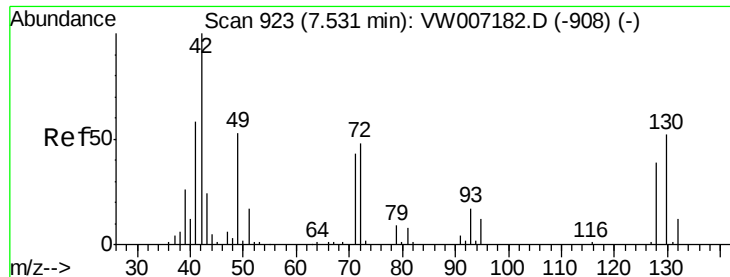
Bromochloromethane  
Concen: 22.392 ug/l  
RT: 7.52 min Scan# 921  
Delta R.T. 0.01 min  
Lab File: VW007257.D  
Acq: 06 Dec 2018 04:31

Tgt Ion: 49 Resp: 12956  
Ion Ratio Lower Upper  
49 100  
129 1.4 0.0 3.8  
130 89.4 70.3 105.5



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

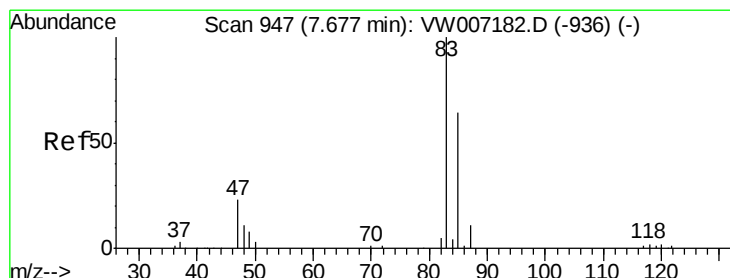
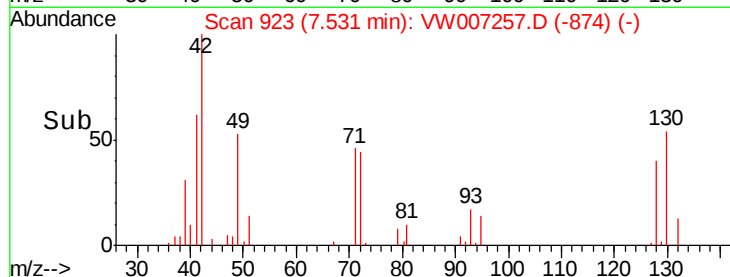
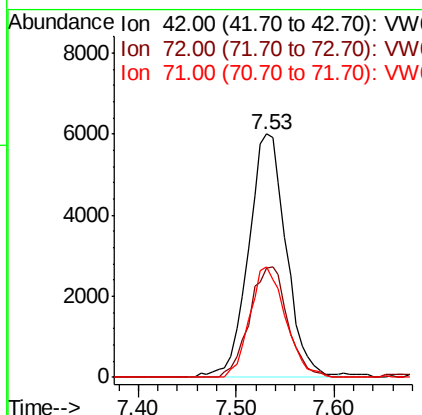
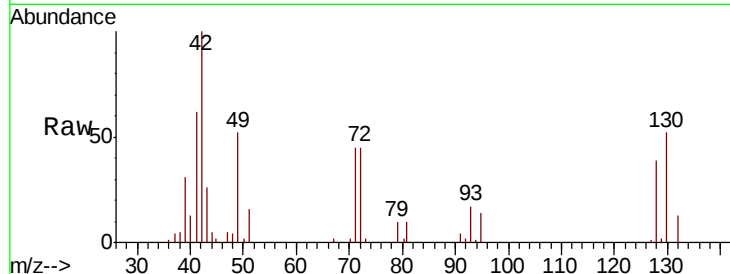




#29  
Tetrahydrofuran  
Concen: 111.847 ug/l  
RT: 7.53 min Scan# 923  
Delta R.T. 0.00 min  
Lab File: VW007257.D  
Acq: 06 Dec 2018 04:31

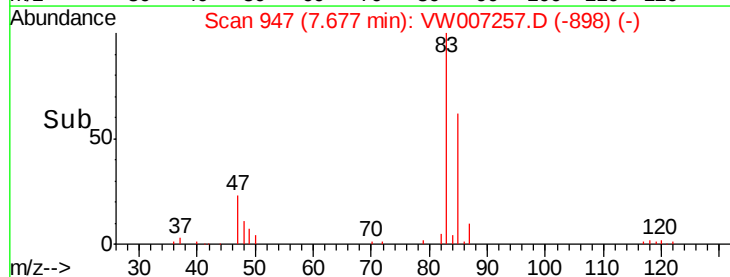
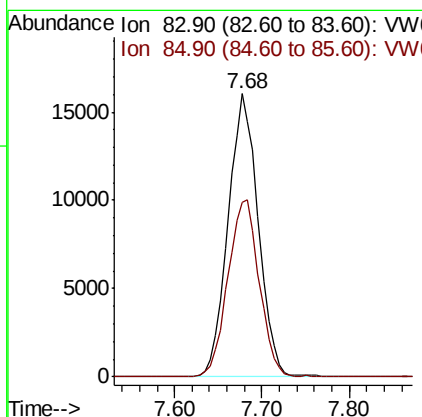
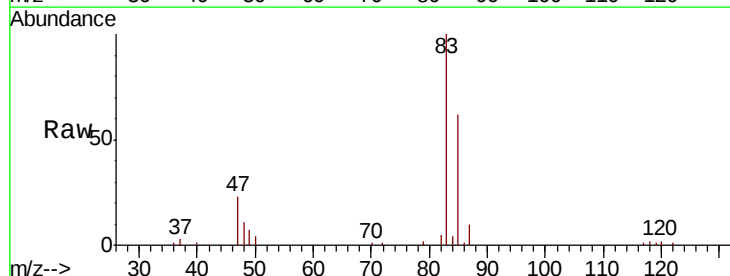
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1205SBS02

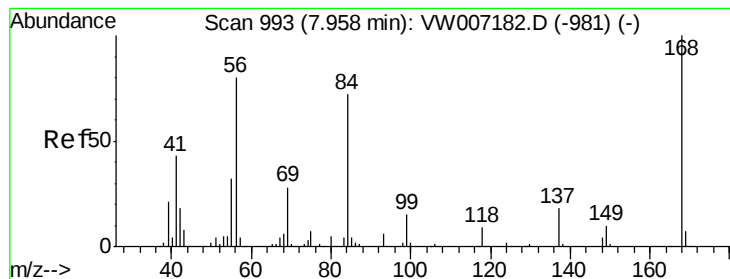
Tot Ion: 42 Resp: 16047  
Ion Ratio Lower Upper  
42 100  
72 45.8 36.6 55.0  
71 43.2 34.8 52.2



#30  
Chloroform  
Concen: 23.005 ug/l  
RT: 7.68 min Scan# 947  
Delta R.T. 0.00 min  
Lab File: VW007257.D  
Acq: 06 Dec 2018 04:31

Tgt Ion: 83 Resp: 38364  
Ion Ratio Lower Upper  
83 100  
85 61.7 51.5 77.3





#31

Cyclohexane

Concen: 19.503 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW007257.D

Acq: 06 Dec 2018 04:31

Instrument :

MSVOA\_W

ClientSampleId :

VW1205SBS02

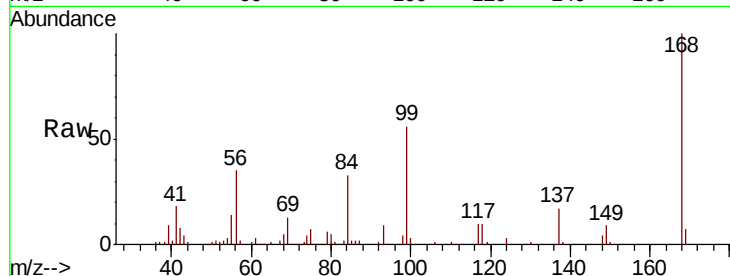
Tot Ion: 56 Resp: 32744

Ion Ratio Lower Upper

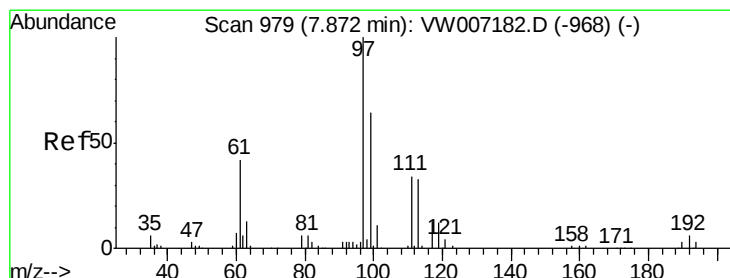
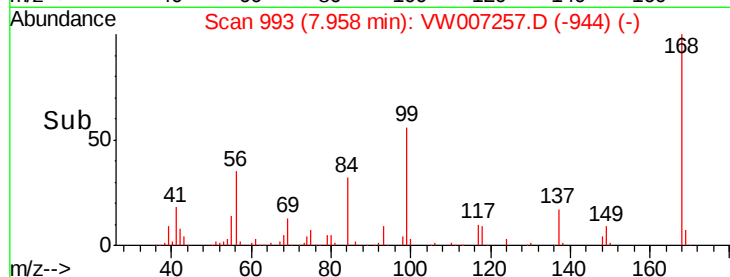
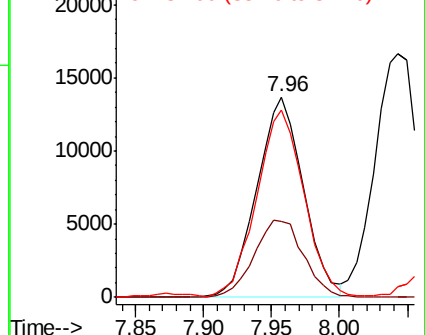
56 100

69 37.7 28.2 42.2

84 92.1 72.1 108.1



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: 22.576 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW007257.D

Acq: 06 Dec 2018 04:31

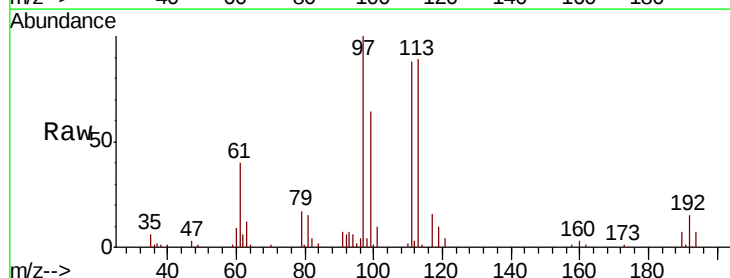
Tgt Ion: 97 Resp: 35431

Ion Ratio Lower Upper

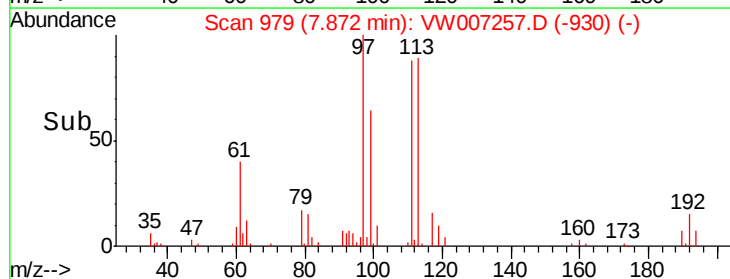
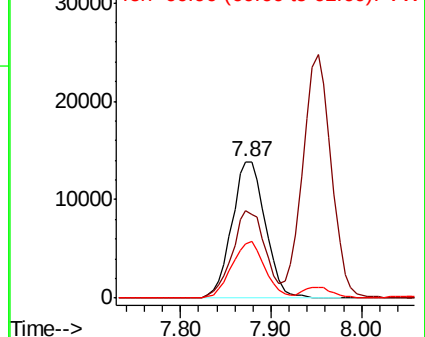
97 100

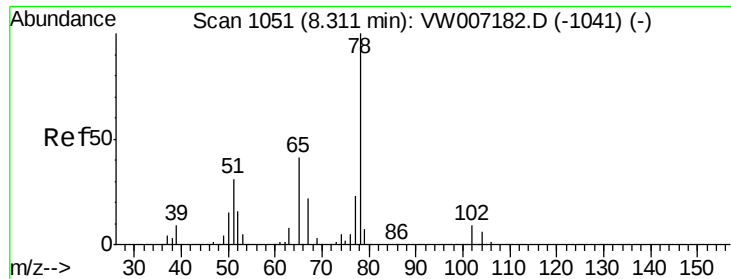
99 63.1 51.3 76.9

61 41.3 33.2 49.8



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

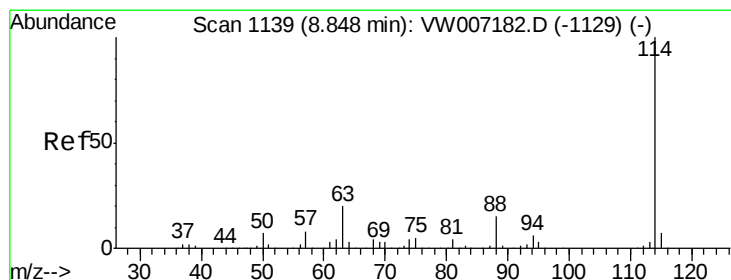
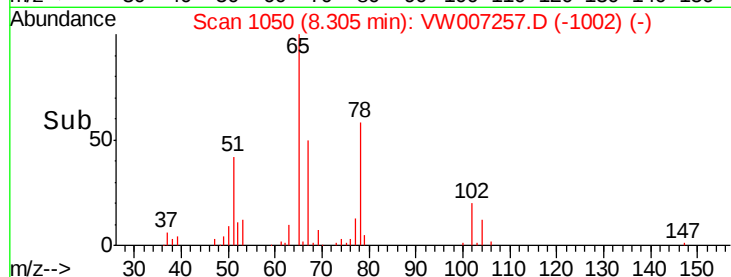
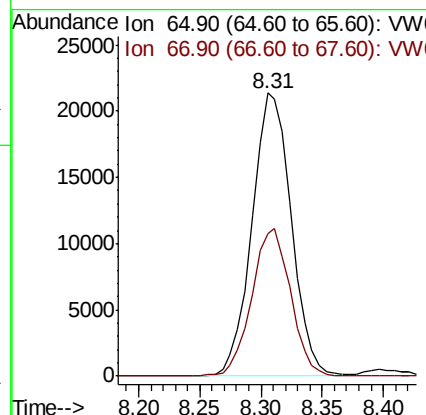
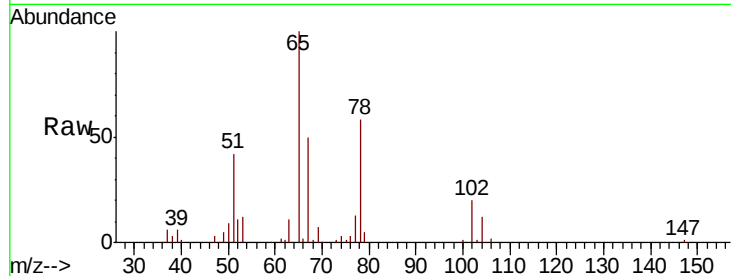




#33  
 1,2-Dichloroethane-d4  
 Concen: 56.506 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. -0.01 min  
 Lab File: VW007257.D  
 Acq: 06 Dec 2018 04:31

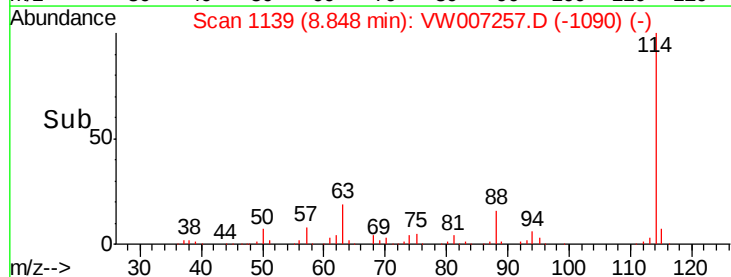
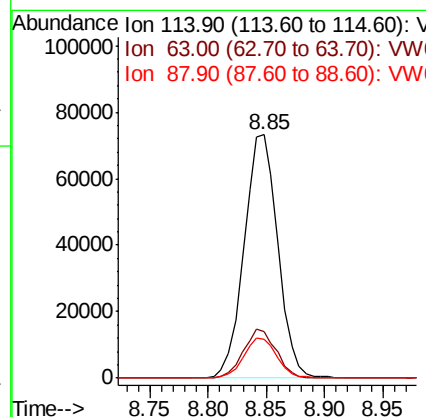
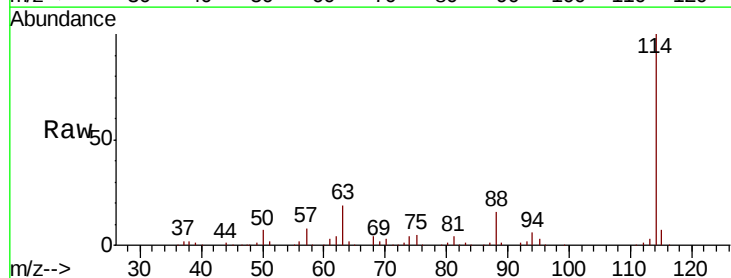
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW1205SBS02

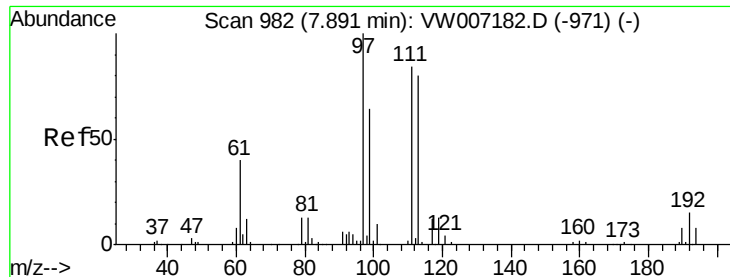
Tot Ion: 65 Resp: 47806  
 Ion Ratio Lower Upper  
 65 100  
 67 51.5 0.0 106.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.85 min Scan# 1139  
 Delta R.T. 0.00 min  
 Lab File: VW007257.D  
 Acq: 06 Dec 2018 04:31

Tgt Ion: 114 Resp: 147589  
 Ion Ratio Lower Upper  
 114 100  
 63 19.2 0.0 40.2  
 88 16.2 0.0 30.0





#35

Dibromofluoromethane

Concen: 53.542 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW007257.D

Acq: 06 Dec 2018 04:31

Instrument :

MSVOA\_W

ClientSampleId :

VW1205SBS02

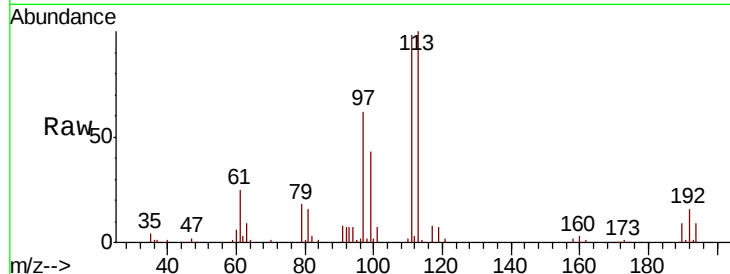
Tot Ion:113 Resp: 45248

Ion Ratio Lower Upper

113 100

111 102.9 82.2 123.4

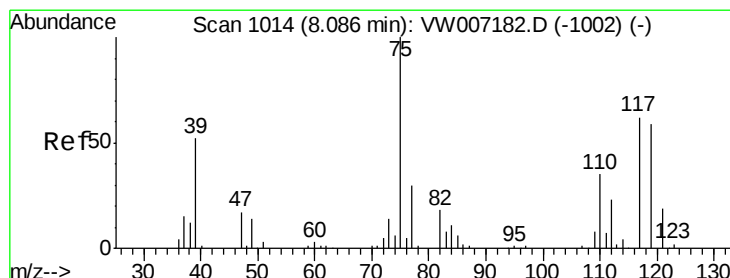
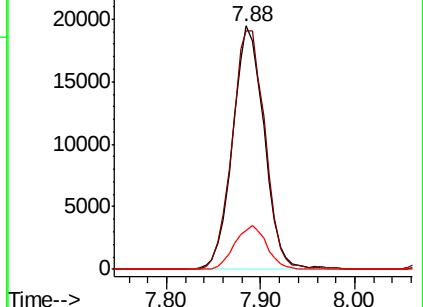
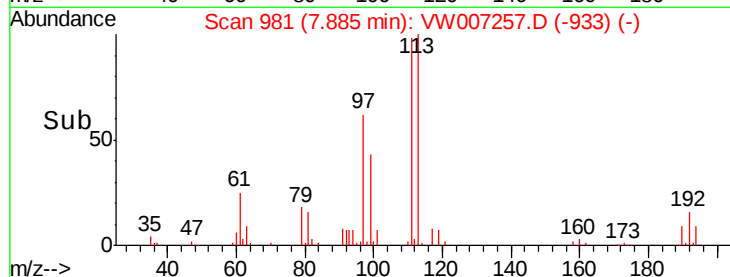
192 18.2 14.4 21.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.468 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VW007257.D

Acq: 06 Dec 2018 04:31

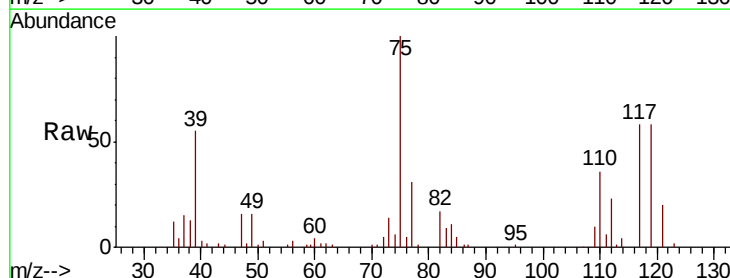
Tgt Ion: 75 Resp: 29393

Ion Ratio Lower Upper

75 100

110 36.4 18.3 54.9

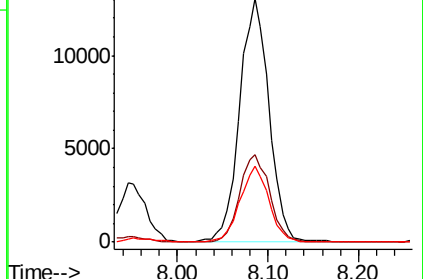
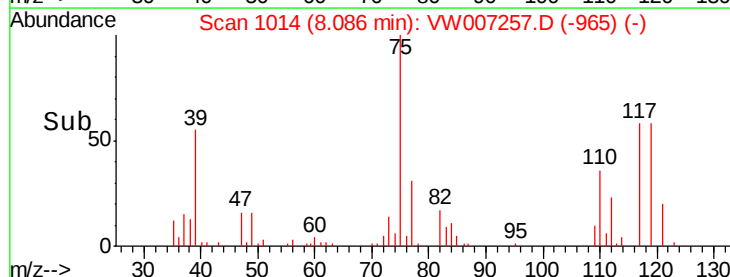
77 30.4 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

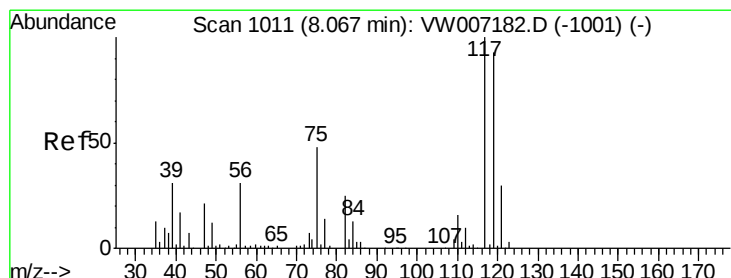
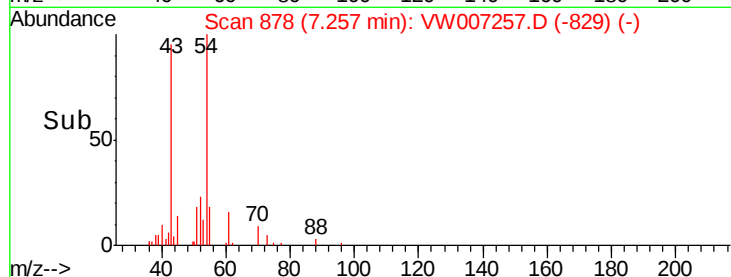
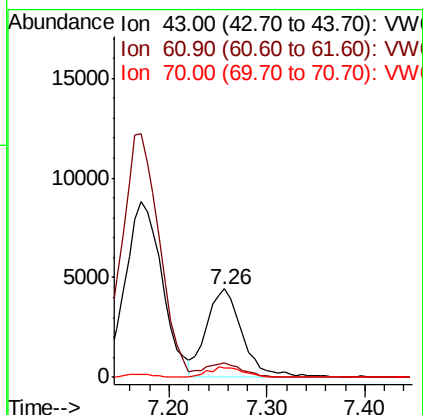
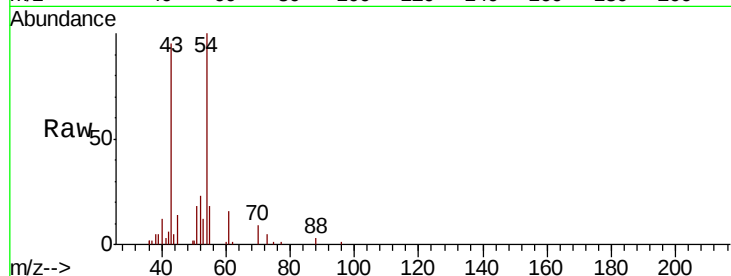




#37  
Ethyl Acetate  
Concen: 21.878 ug/l  
RT: 7.26 min Scan# 878  
Delta R.T. 0.00 min  
Lab File: VW007257.D  
Acq: 06 Dec 2018 04:31

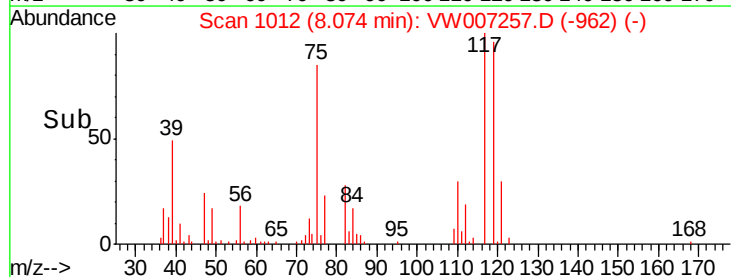
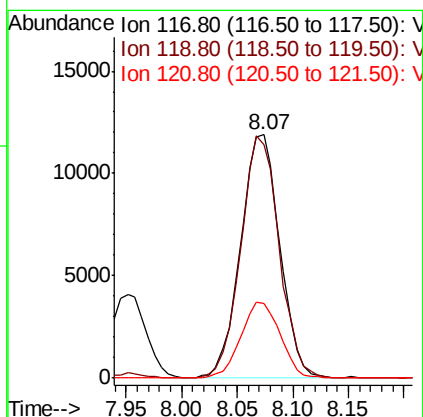
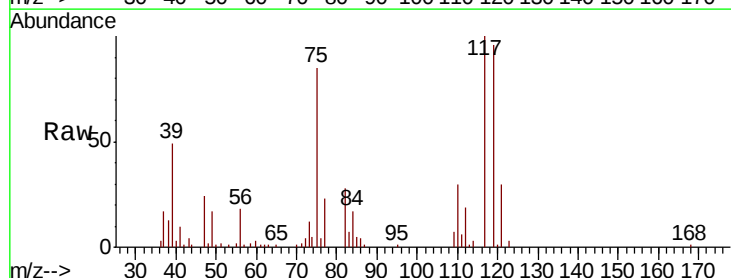
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1205SBS02

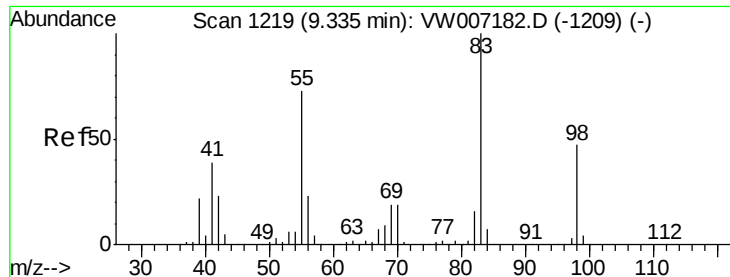
Tot Ion: 43 Resp: 11365  
Ion Ratio Lower Upper  
43 100  
61 15.2 12.1 18.1  
70 11.0 9.1 13.7



#38  
Carbon Tetrachloride  
Concen: 19.809 ug/l  
RT: 8.07 min Scan# 1012  
Delta R.T. 0.01 min  
Lab File: VW007257.D  
Acq: 06 Dec 2018 04:31

Tgt Ion: 117 Resp: 29035  
Ion Ratio Lower Upper  
117 100  
119 95.8 74.1 111.1  
121 30.4 23.9 35.9

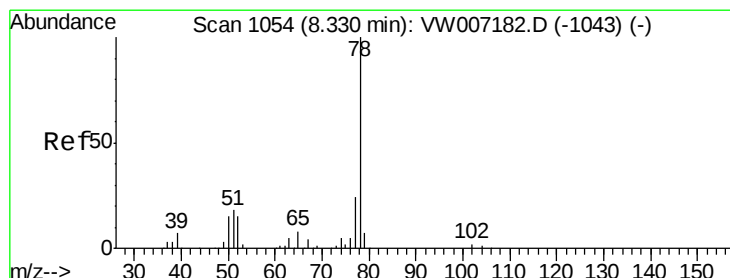
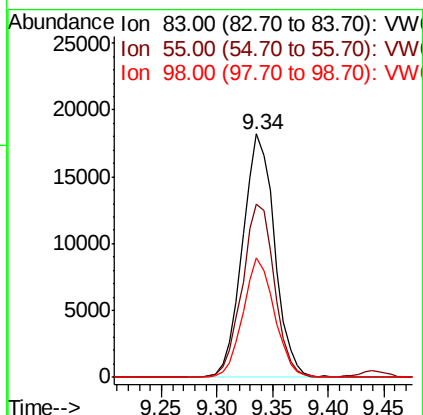
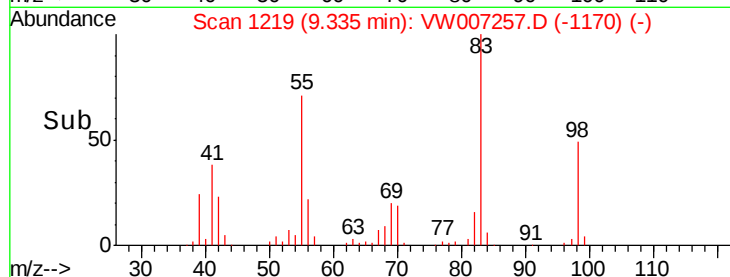
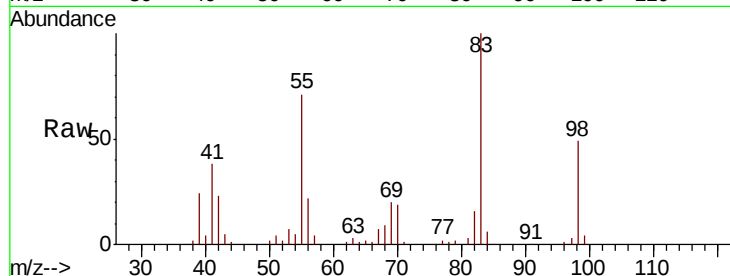




#39  
Methvlcvclohexane  
Concen: 19.002 ug/l  
RT: 9.34 min Scan# 1219  
Delta R.T. 0.00 min  
Lab File: VW007257.D  
Acq: 06 Dec 2018 04:31

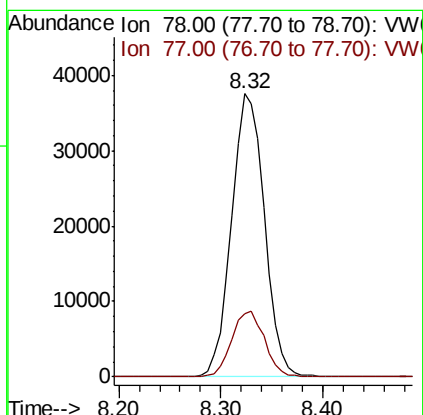
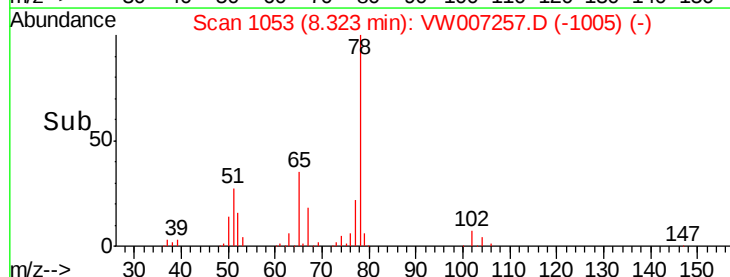
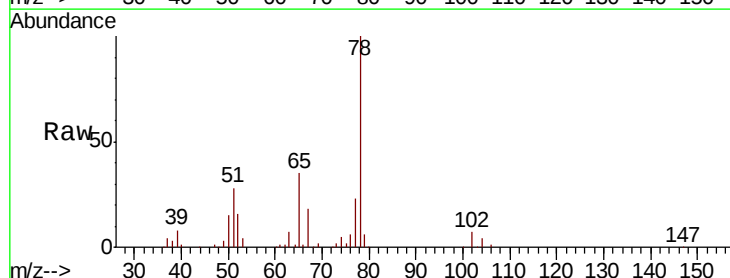
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1205SBS02

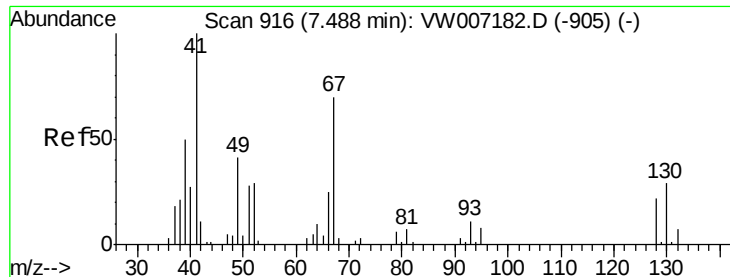
Tot Ion: 83 Resp: 36530  
Ion Ratio Lower Upper  
83 100  
55 70.9 58.1 87.1  
98 48.8 37.3 55.9



#40  
Benzene  
Concen: 21.265 ug/l  
RT: 8.32 min Scan# 1053  
Delta R.T. -0.01 min  
Lab File: VW007257.D  
Acq: 06 Dec 2018 04:31

Tgt Ion: 78 Resp: 83740  
Ion Ratio Lower Upper  
78 100  
77 22.5 18.9 28.3

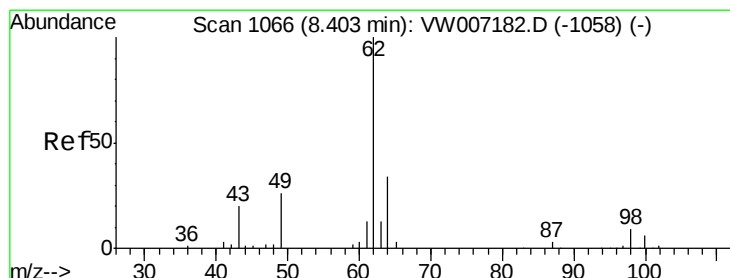
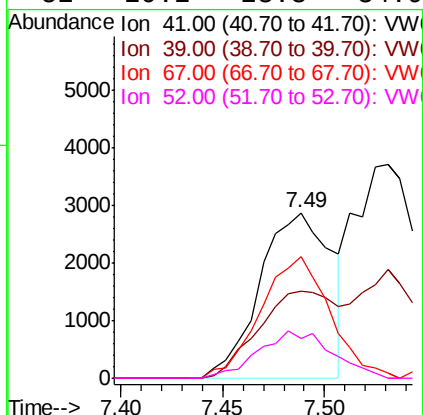
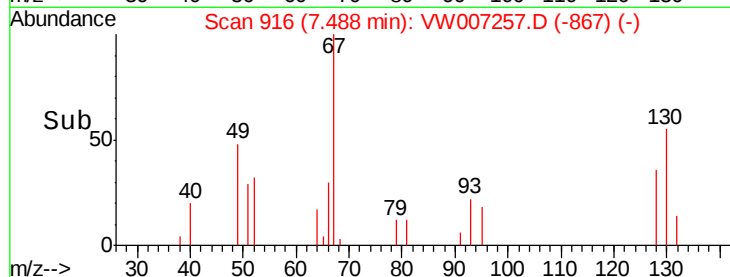
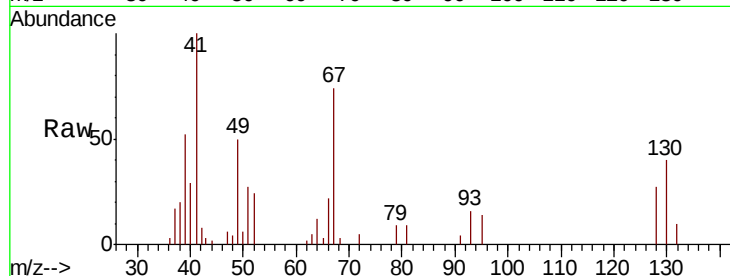




#41  
Methacrylonitrile  
Concen: 22.504 ug/l  
RT: 7.49 min Scan# 916  
Delta R.T. 0.00 min  
Lab File: VW007257.D  
Acq: 06 Dec 2018 04:31

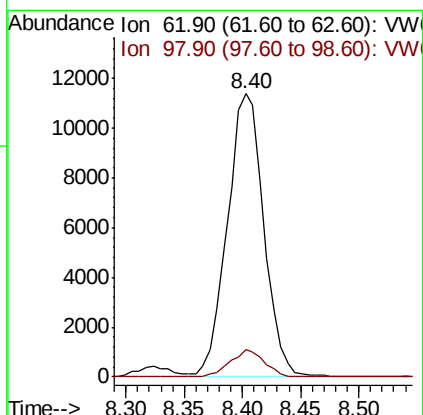
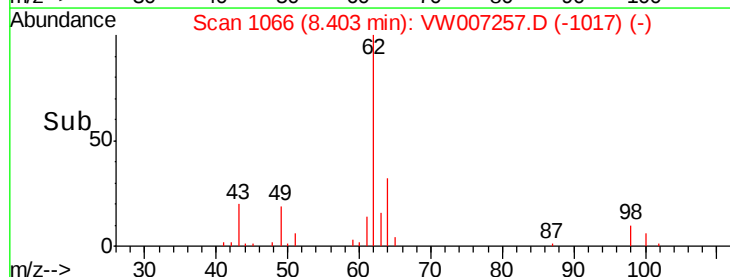
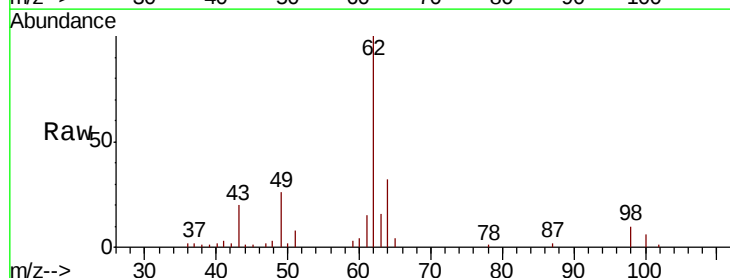
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1205SBS02

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 7002  |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 56.2  | 43.4  | 65.0  |
| 67       | 72.0  | 57.4  | 86.0  |
| 52       | 29.2  | 23.3  | 34.9  |



#42  
1,2-Dichloroethane  
Concen: 22.519 ug/l  
RT: 8.40 min Scan# 1066  
Delta R.T. 0.00 min  
Lab File: VW007257.D  
Acq: 06 Dec 2018 04:31

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 24783 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 8.9   | 0.0   | 17.8  |





#43

Isopropyl Acetate

Concen: 21.590 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW007257.D

Acq: 06 Dec 2018 04:31

Instrument :

MSVOA\_W

ClientSampleId :

VW1205SBS02

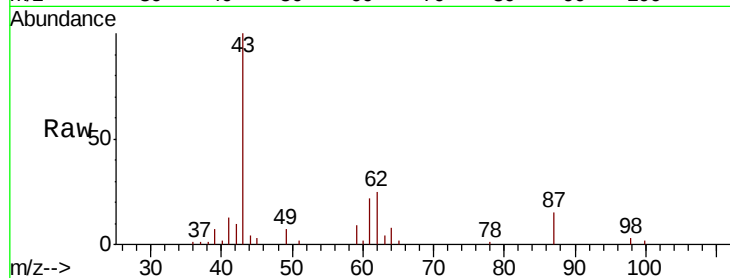
Tot Ion: 43 Resp: 21782

Ion Ratio Lower Upper

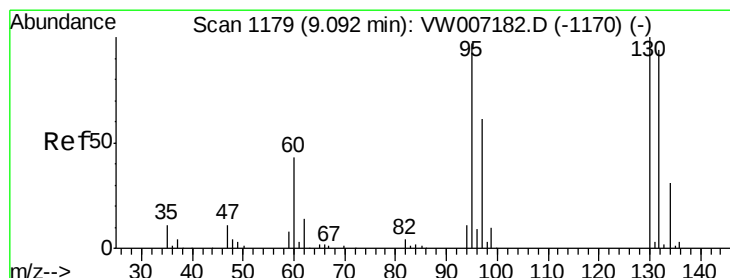
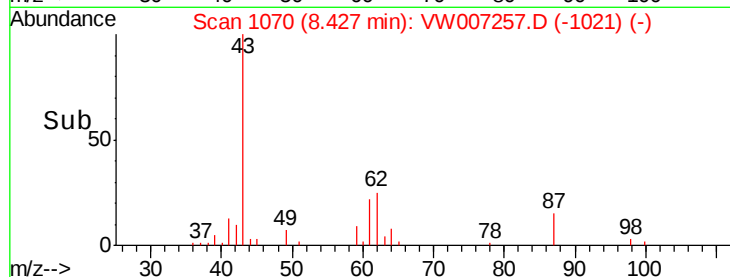
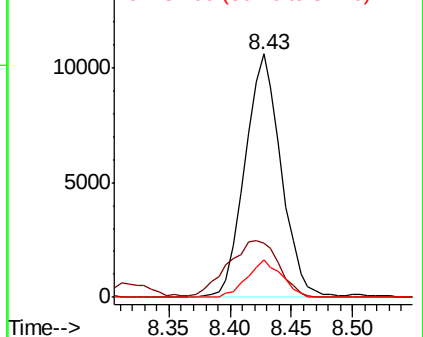
43 100

61 32.9 25.4 38.0

87 14.4 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VW  
Ion 61.00 (60.70 to 61.70): VW  
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 21.997 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW007257.D

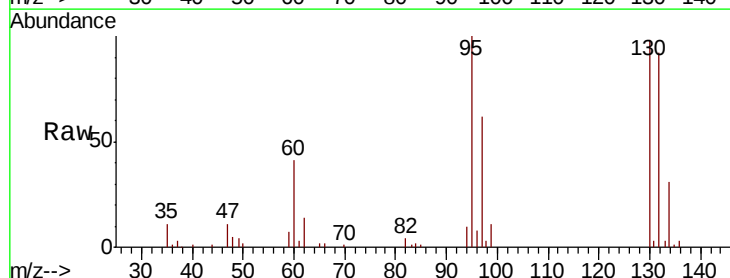
Acq: 06 Dec 2018 04:31

Tgt Ion:130 Resp: 24349

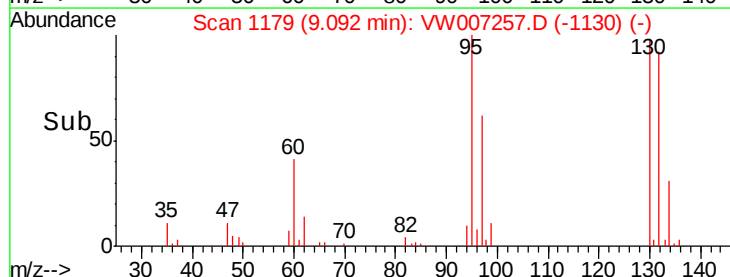
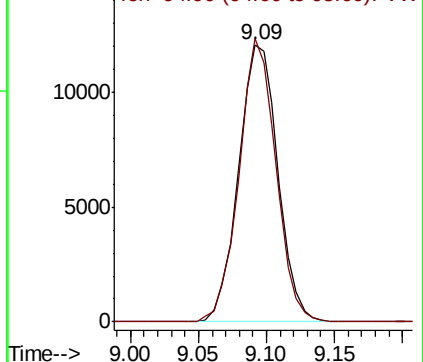
Ion Ratio Lower Upper

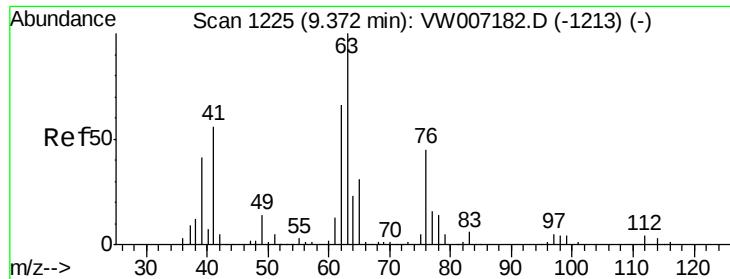
130 100

95 102.0 0.0 194.0



Abundance Ion 129.80 (129.50 to 130.50): V  
Ion 94.90 (94.60 to 95.60): VW

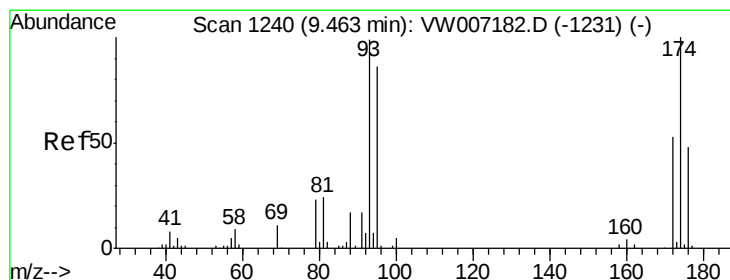
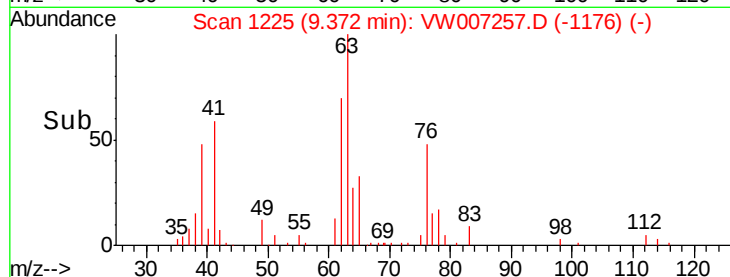
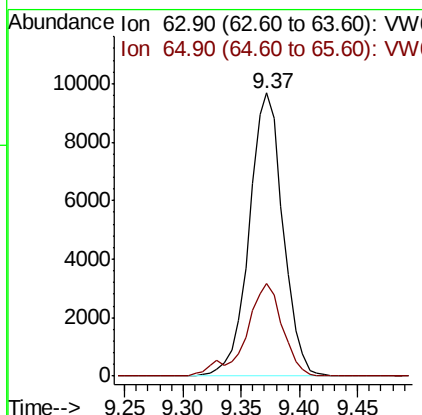
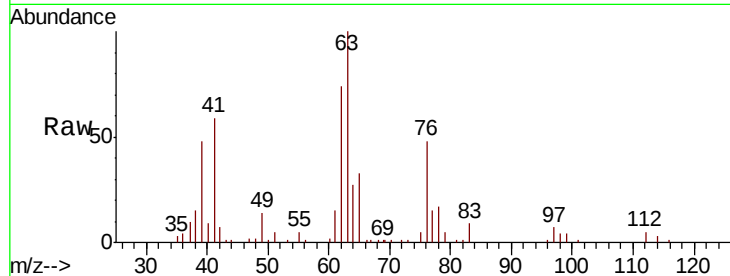




#45  
 1,2-Dichloropropane  
 Concen: 21.298 ug/l  
 RT: 9.37 min Scan# 1225  
 Delta R.T. 0.00 min  
 Lab File: VW007257.D  
 Acq: 06 Dec 2018 04:31

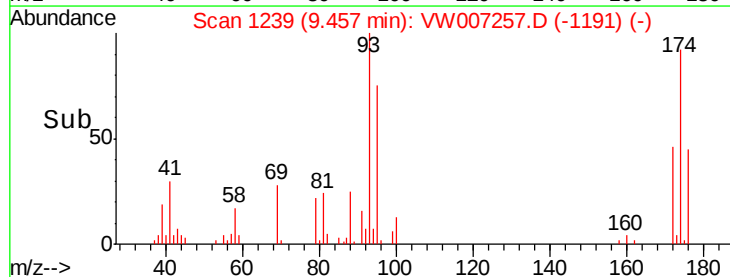
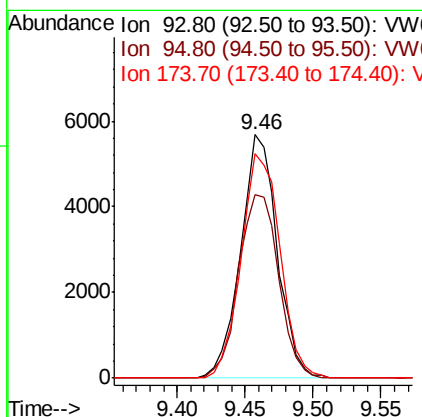
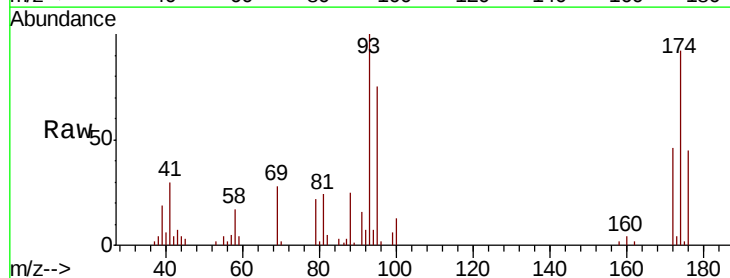
Instrument :  
 MSVOA\_W  
 ClientSampled :  
 VW1205SBS02

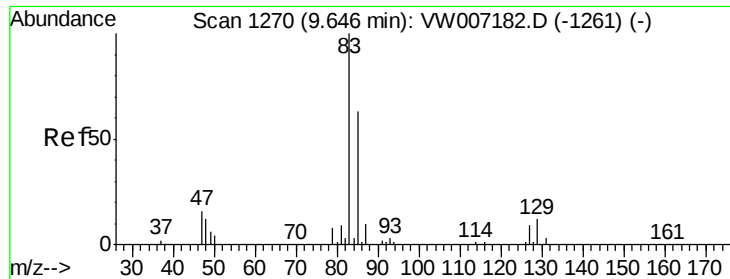
Tot Ion: 63 Resp: 19517  
 Ion Ratio Lower Upper  
 63 100  
 65 32.7 25.0 37.4



#46  
 Dibromomethane  
 Concen: 22.500 ug/l  
 RT: 9.46 min Scan# 1239  
 Delta R.T. -0.01 min  
 Lab File: VW007257.D  
 Acq: 06 Dec 2018 04:31

Tgt Ion: 93 Resp: 10714  
 Ion Ratio Lower Upper  
 93 100  
 95 82.6 68.7 103.1  
 174 98.0 82.9 124.3





#47

Bromodichloromethane

Concen: 22.143 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW007257.D

Acq: 06 Dec 2018 04:31

Instrument :

MSVOA\_W

ClientSampleId :

VW1205SBS02

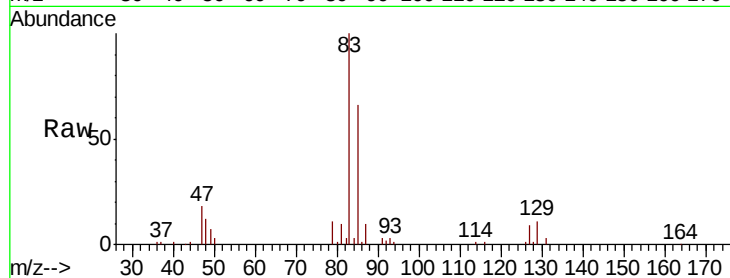
Tot Ion: 83 Resp: 27735

Ion Ratio Lower Upper

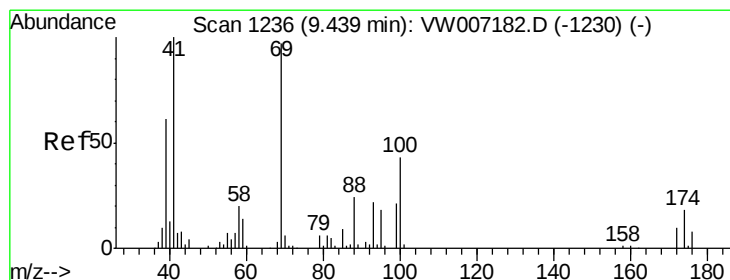
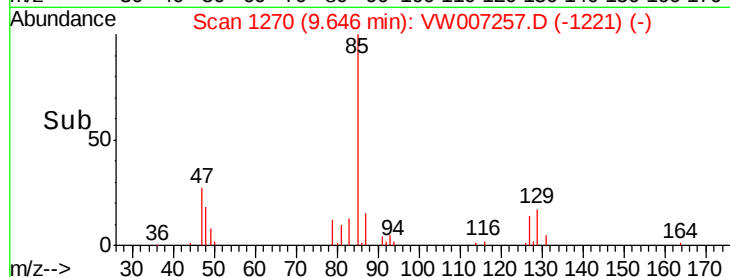
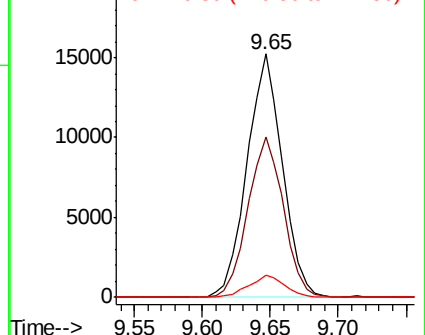
83 100

85 65.9 50.6 76.0

127 9.0 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VW  
Ion 84.90 (84.60 to 85.60): VW  
Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 19.986 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW007257.D

Acq: 06 Dec 2018 04:31

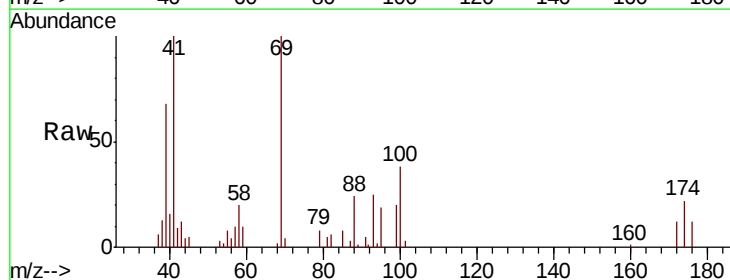
Tgt Ion: 41 Resp: 10465

Ion Ratio Lower Upper

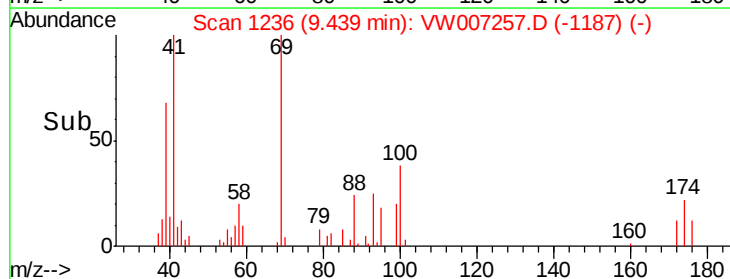
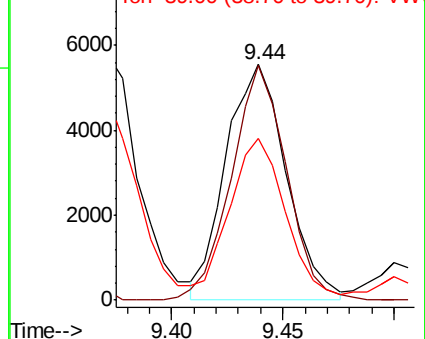
41 100

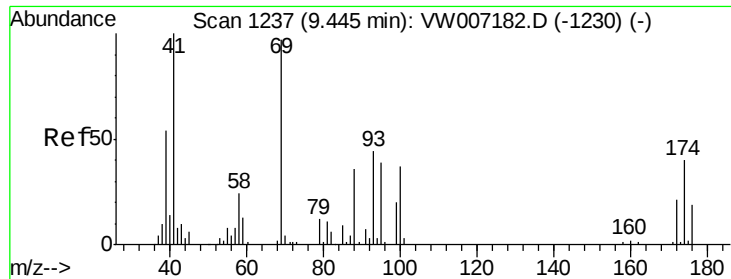
69 91.3 69.6 104.4

39 59.4 42.4 63.6



Abundance Ion 41.00 (40.70 to 41.70): VW  
Ion 69.00 (68.70 to 69.70): VW  
Ion 39.00 (38.70 to 39.70): VW

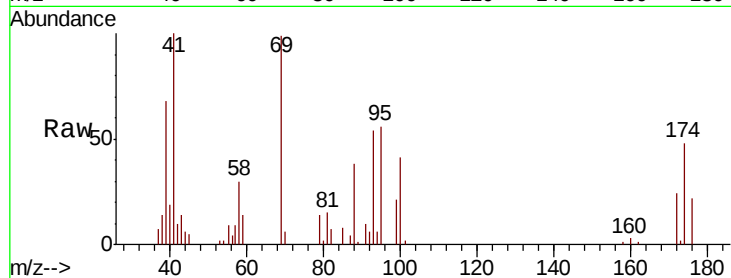




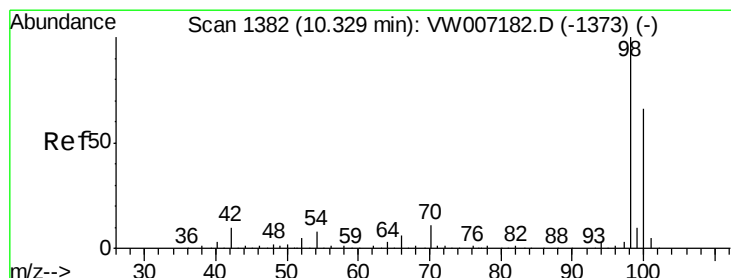
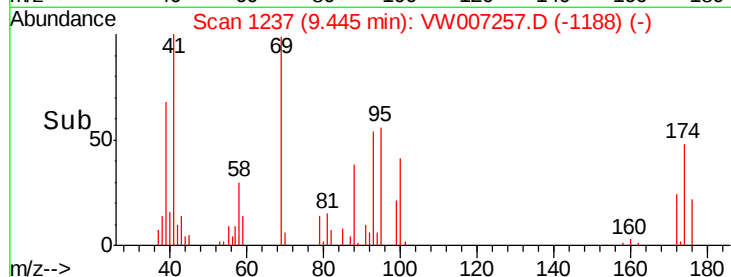
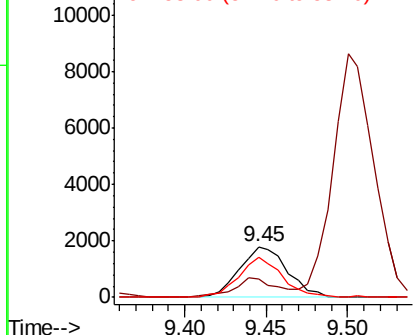
#49  
1,4-Dioxane  
Concen: 436.749 ug/l  
RT: 9.45 min Scan# 1237  
Delta R.T. 0.00 min  
Lab File: VW007257.D  
Acq: 06 Dec 2018 04:31

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1205SBS02

Tot Ion: 88 Resp: 3633  
Ion Ratio Lower Upper  
88 100  
43 33.2 25.8 38.8  
58 72.0 58.9 88.3

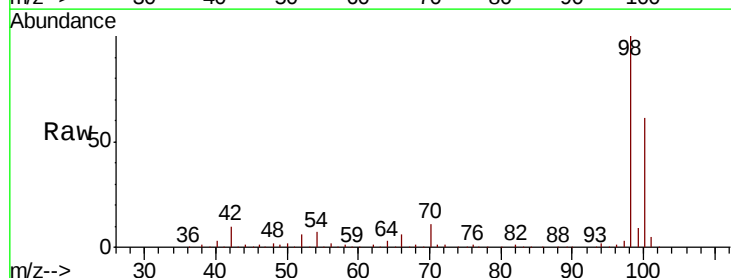


Abundance Ion 88.00 (87.70 to 88.70): VW  
Ion 43.00 (42.70 to 43.70): VW  
Ion 58.00 (57.70 to 58.70): VW

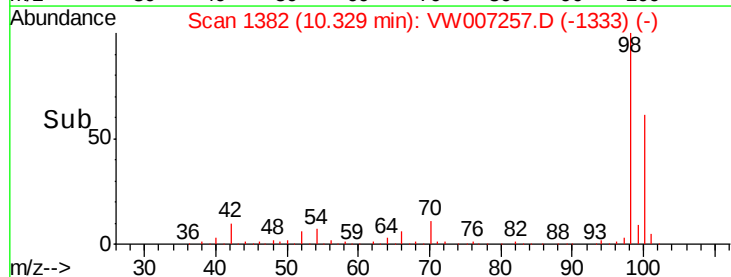
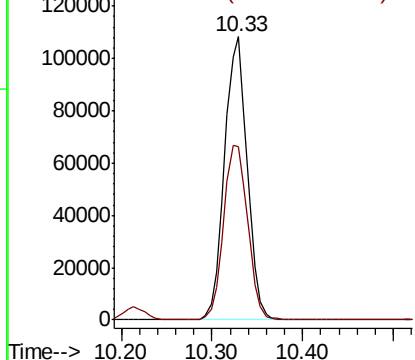


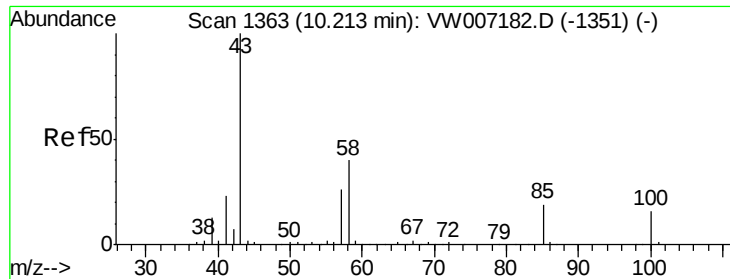
#50  
Toluene-d8  
Concen: 50.699 ug/l  
RT: 10.33 min Scan# 1382  
Delta R.T. 0.00 min  
Lab File: VW007257.D  
Acq: 06 Dec 2018 04:31

Tgt Ion: 98 Resp: 188734  
Ion Ratio Lower Upper  
98 100  
100 65.3 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW  
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 104.260 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW007257.D

Acq: 06 Dec 2018 04:31

Instrument :

MSVOA\_W

ClientSampleId :

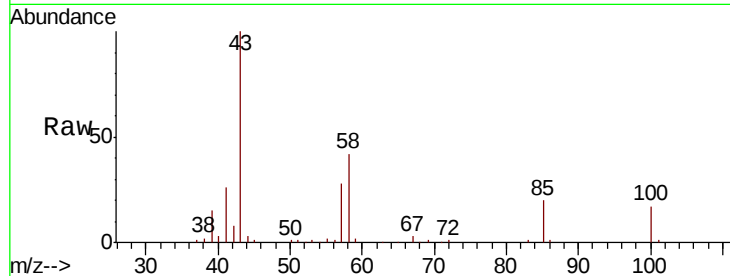
VW1205SBS02

Tot Ion: 43 Resp: 51837

Ion Ratio Lower Upper

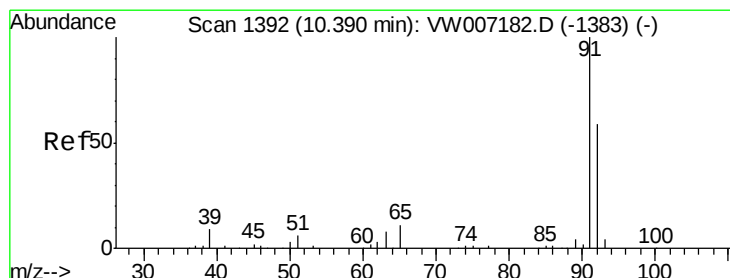
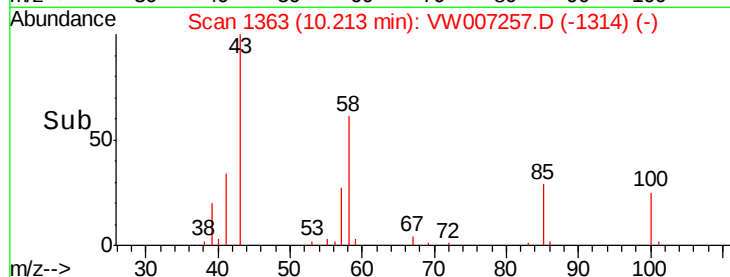
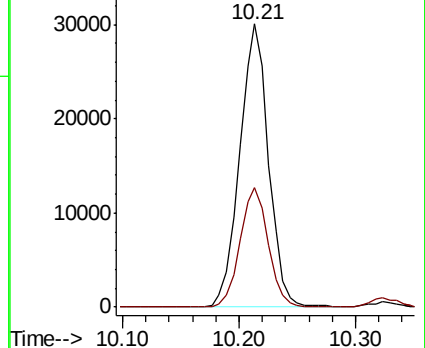
43 100

58 41.1 32.3 48.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 21.370 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007257.D

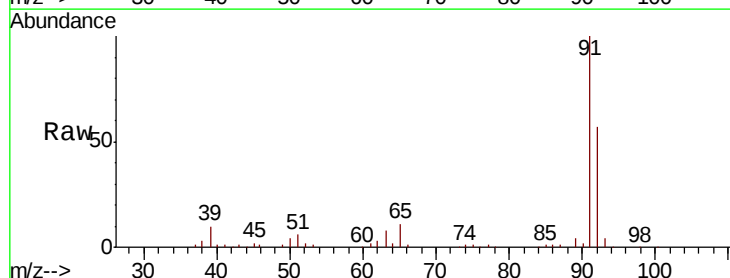
Acq: 06 Dec 2018 04:31

Tgt Ion: 92 Resp: 58539

Ion Ratio Lower Upper

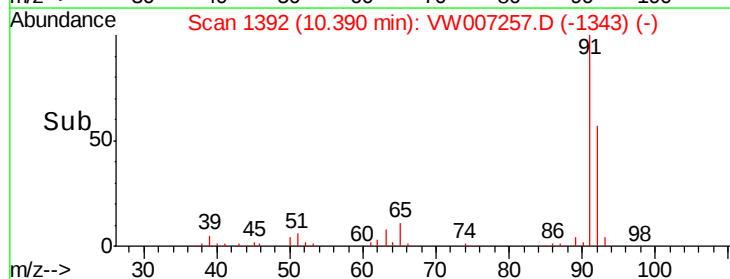
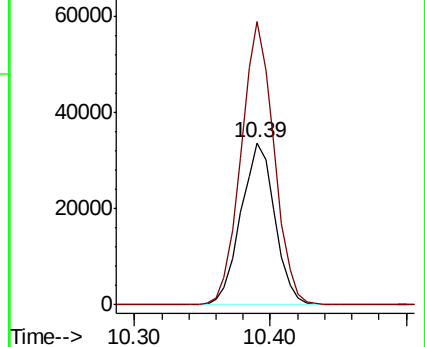
92 100

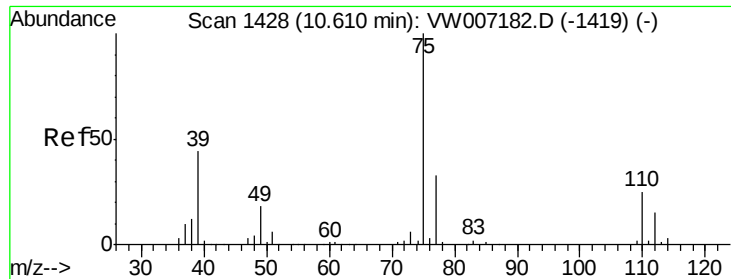
91 169.6 136.0 204.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

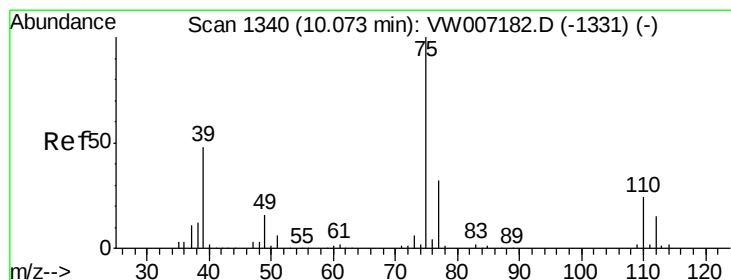
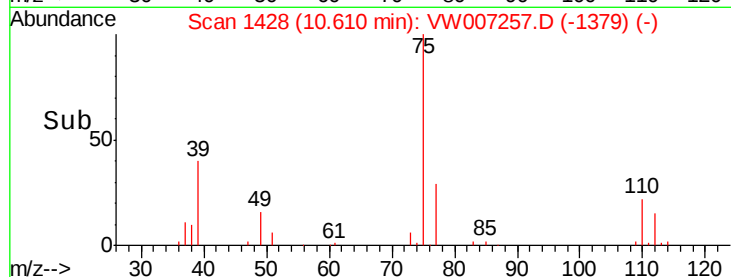
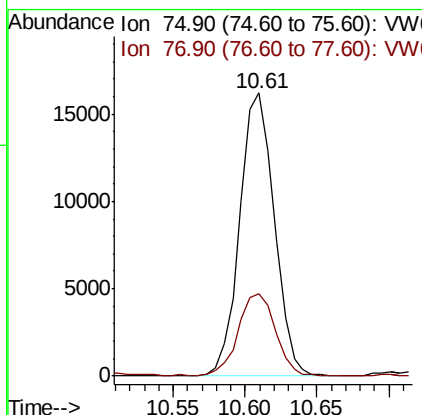
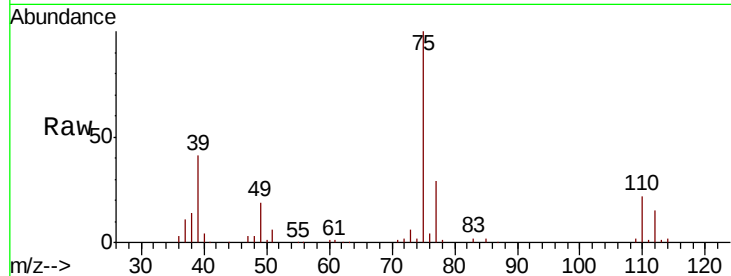




#53  
 t-1,3-Dichloropropene  
 Concen: 21.406 ug/l  
 RT: 10.61 min Scan# 1428  
 Delta R.T. 0.00 min  
 Lab File: VW007257.D  
 Acq: 06 Dec 2018 04:31

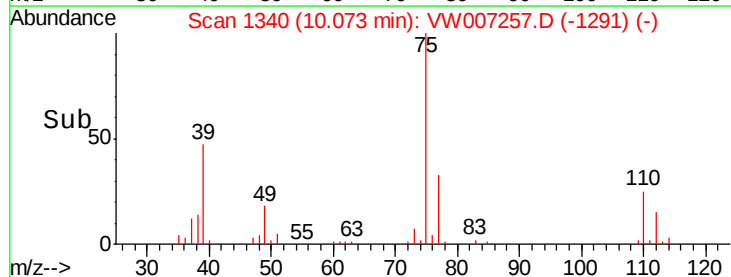
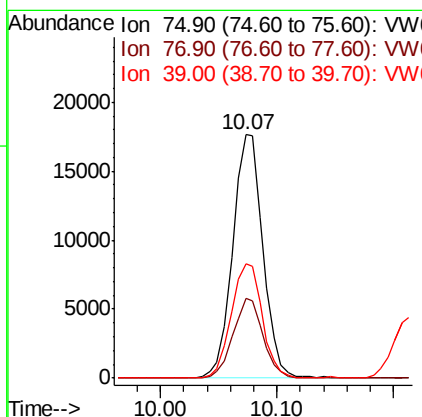
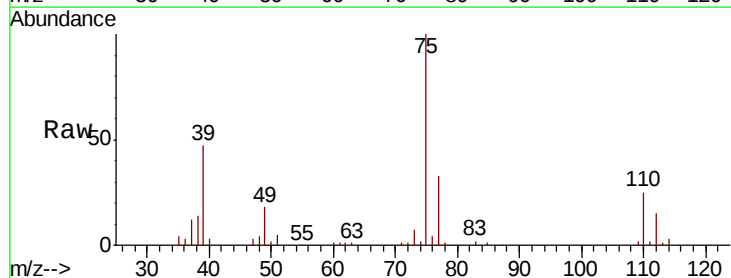
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW1205SBS02

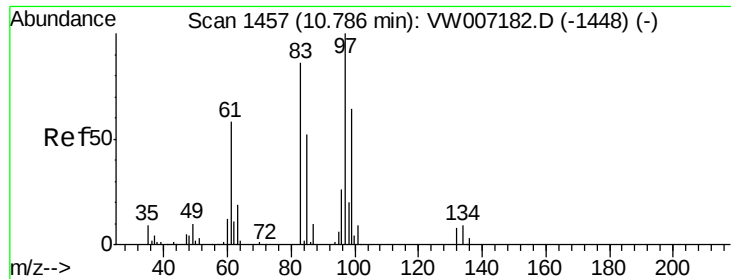
Tot Ion: 75 Resp: 26956  
 Ion Ratio Lower Upper  
 75 100  
 77 29.3 26.2 39.2



#54  
 cis-1,3-Dichloropropene  
 Concen: 21.525 ug/l  
 RT: 10.07 min Scan# 1340  
 Delta R.T. 0.00 min  
 Lab File: VW007257.D  
 Acq: 06 Dec 2018 04:31

Tgt Ion: 75 Resp: 31766  
 Ion Ratio Lower Upper  
 75 100  
 77 32.6 26.0 39.0  
 39 47.2 38.0 57.0





#55

1,1,2-Trichloroethane

Concen: 22.750 ug/l

RT: 10.79 min Scan# 1458

Delta R.T. 0.01 min

Lab File: VW007257.D

Acq: 06 Dec 2018 04:31

Instrument :

MSVOA\_W

ClientSampled :

VW1205SBS02

Tot Ion: 97 Resp: 15409

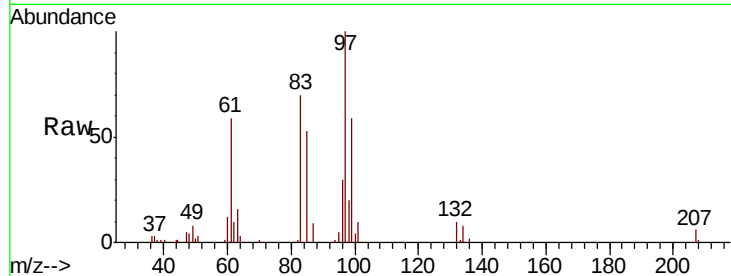
Ion Ratio Lower Upper

97 100

83 70.4 68.6 102.8

85 52.7 41.4 62.2

99 59.5 51.2 76.8

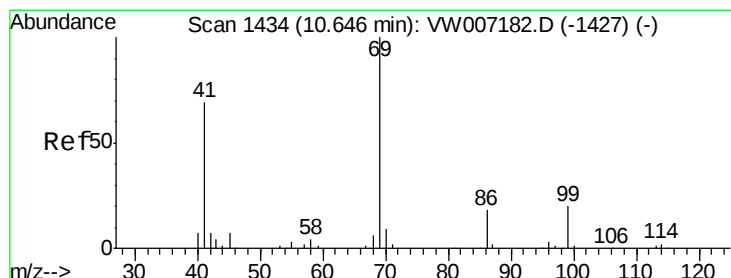
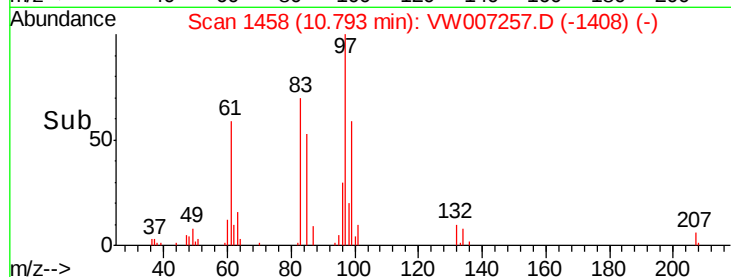
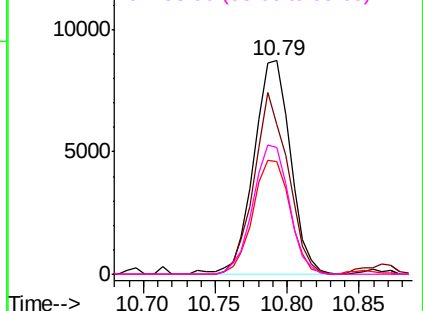


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 21.308 ug/l

RT: 10.65 min Scan# 1435

Delta R.T. 0.01 min

Lab File: VW007257.D

Acq: 06 Dec 2018 04:31

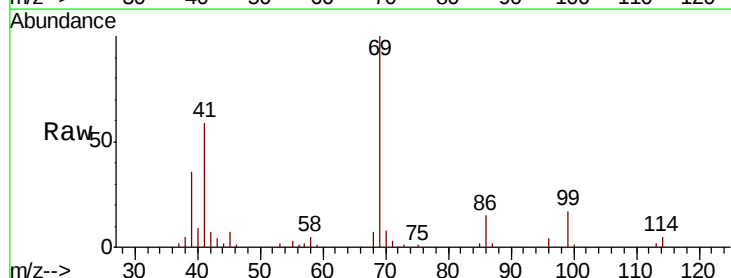
Tgt Ion: 69 Resp: 18826

Ion Ratio Lower Upper

69 100

41 64.5 51.8 77.6

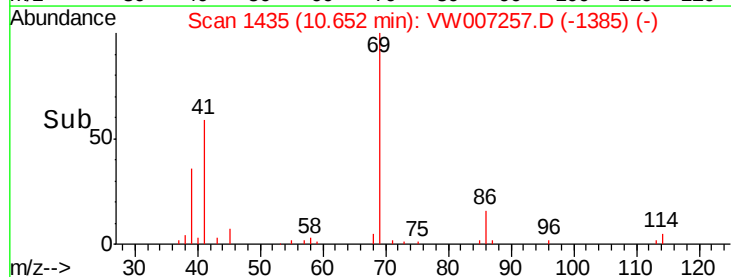
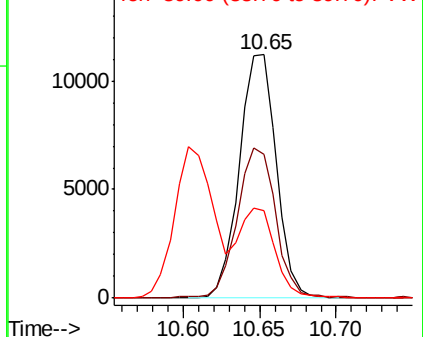
39 37.3 28.7 43.1

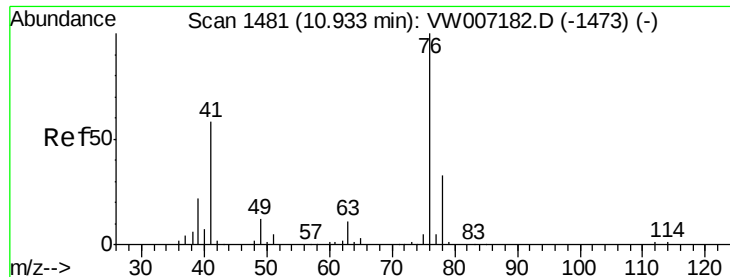


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 21.695 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW007257.D

Acq: 06 Dec 2018 04:31

Instrument :

MSVOA\_W

ClientSampleId :

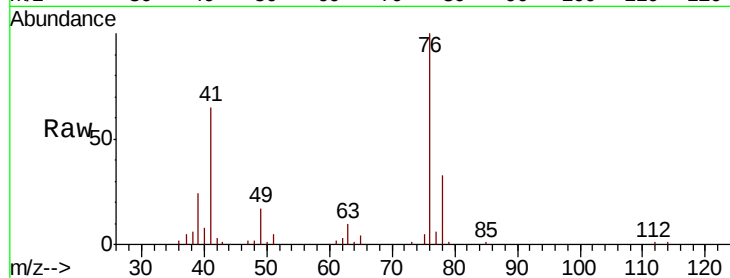
VW1205SBS02

Tot Ion: 76 Resp: 24809

Ion Ratio Lower Upper

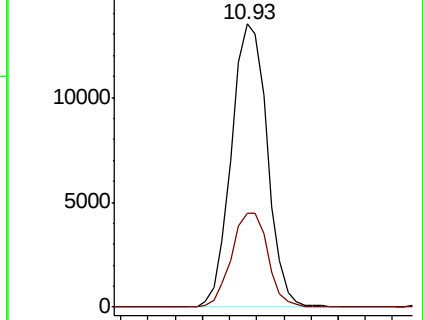
76 100

78 33.6 26.6 40.0

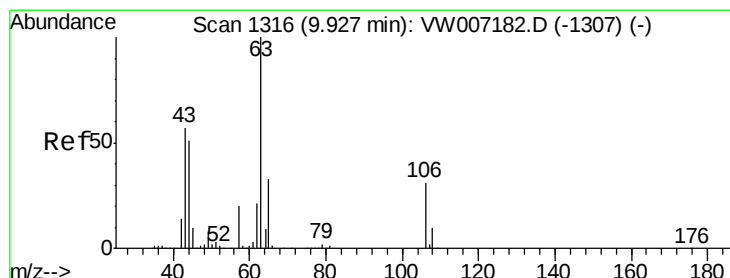
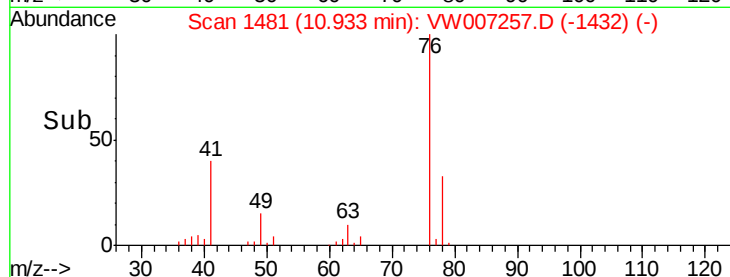


Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 116.707 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW007257.D

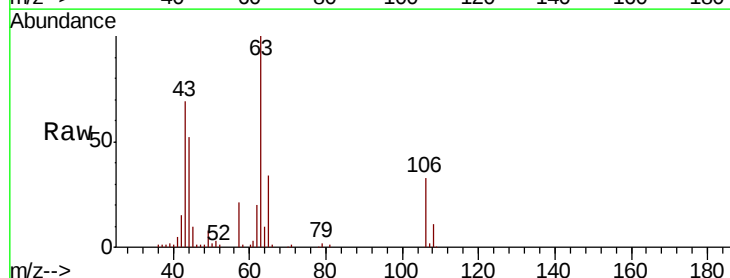
Acq: 06 Dec 2018 04:31

Tgt Ion: 63 Resp: 41417

Ion Ratio Lower Upper

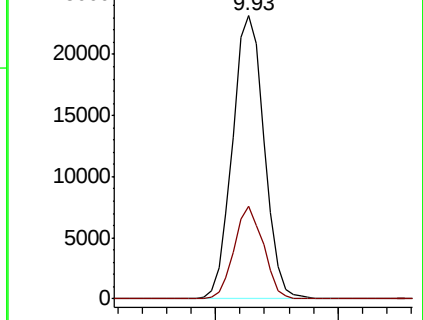
63 100

106 30.2 24.1 36.1

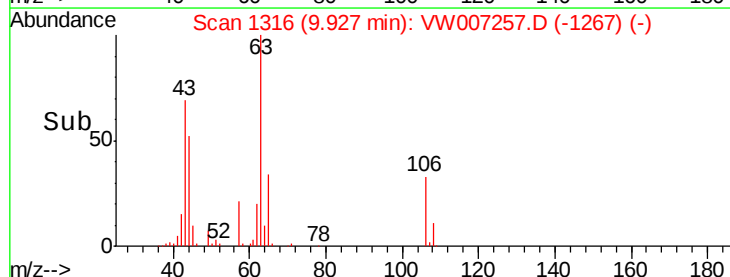


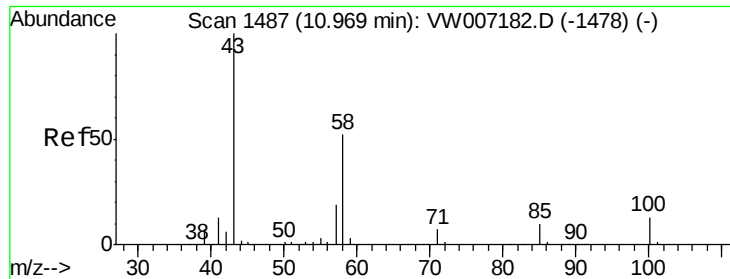
Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V



Time-->





#59

2-Hexanone

Concen: 99.379 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW007257.D

Acq: 06 Dec 2018 04:31

Instrument :

MSVOA\_W

ClientSampleId :

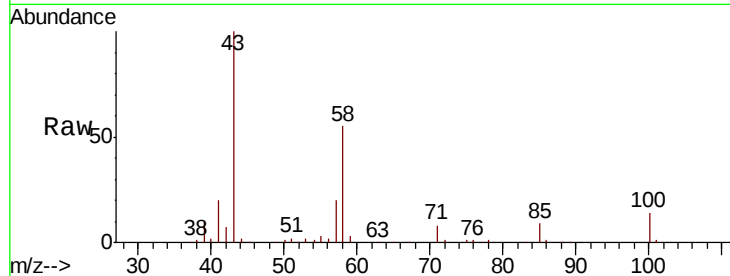
VW1205SBS02

Tot Ion: 43 Resp: 35818

Ion Ratio Lower Upper

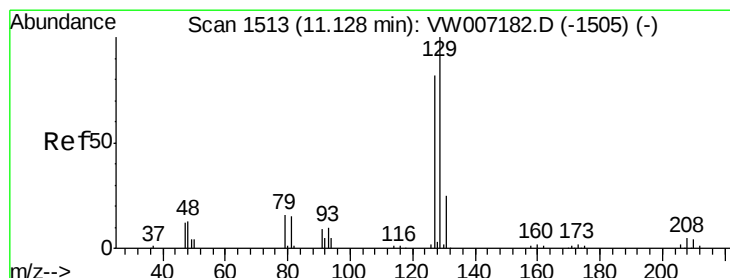
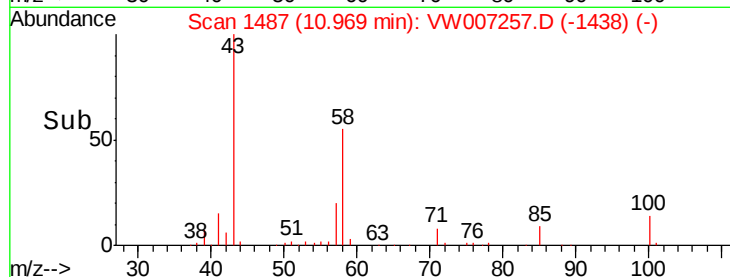
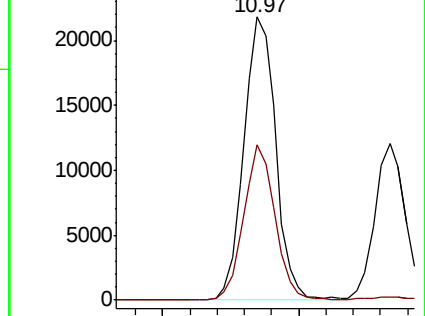
43 100

58 53.6 28.1 84.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#60

Dibromochloromethane

Concen: 21.331 ug/l

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW007257.D

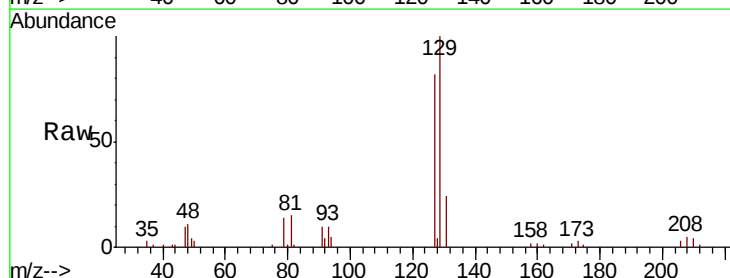
Acq: 06 Dec 2018 04:31

Tgt Ion: 129 Resp: 17757

Ion Ratio Lower Upper

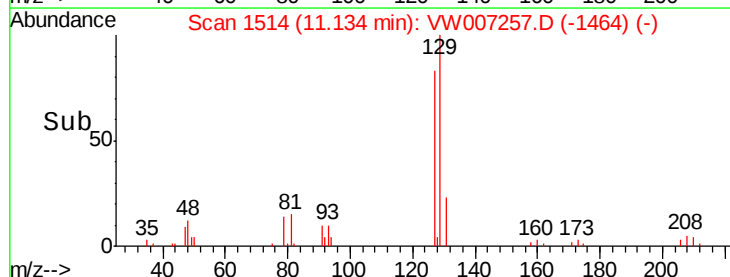
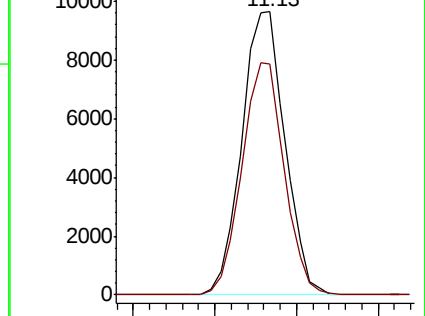
129 100

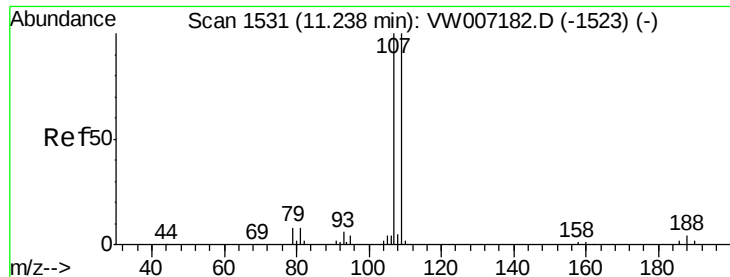
127 80.3 39.8 119.4



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 22.819 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW007257.D

Acq: 06 Dec 2018 04:31

Instrument :

MSVOA\_W

ClientSampleId :

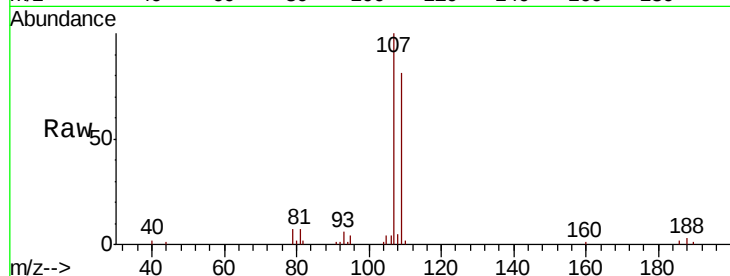
VW1205SBS02

Tot Ion:107 Resp: 14824

Ion Ratio Lower Upper

107 100

109 89.6 77.3 115.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

8000

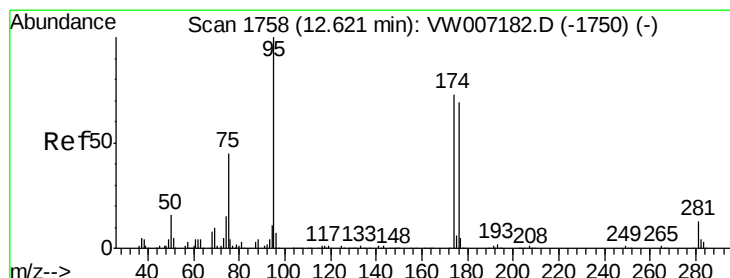
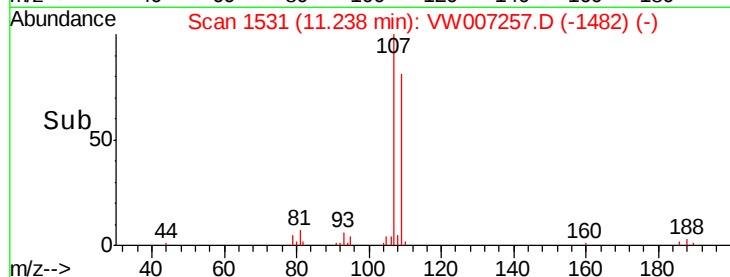
6000

4000

2000

0

Time--> 11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 49.056 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW007257.D

Acq: 06 Dec 2018 04:31

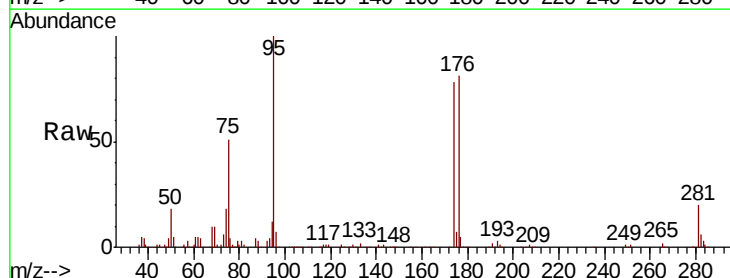
Tgt Ion: 95 Resp: 68927

Ion Ratio Lower Upper

95 100

174 76.4 0.0 148.0

176 75.9 0.0 139.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

50000

40000

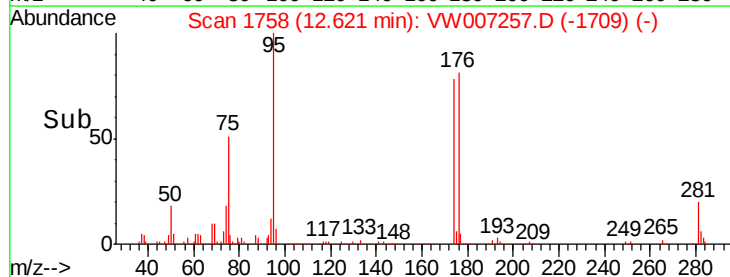
30000

20000

10000

0

Time--> 12.55 12.60 12.65 12.70

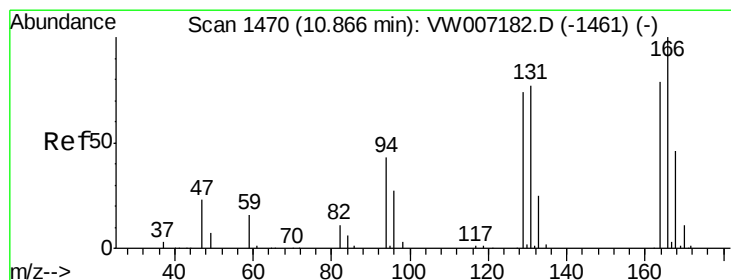
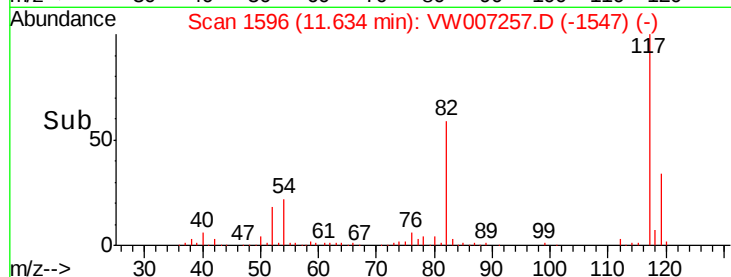
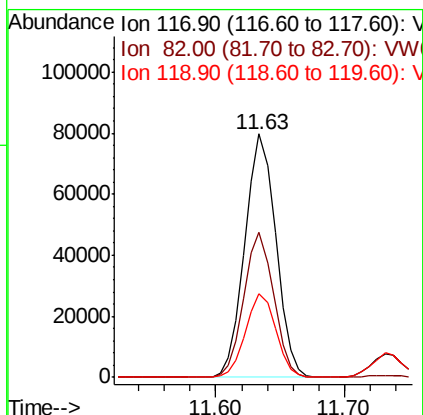
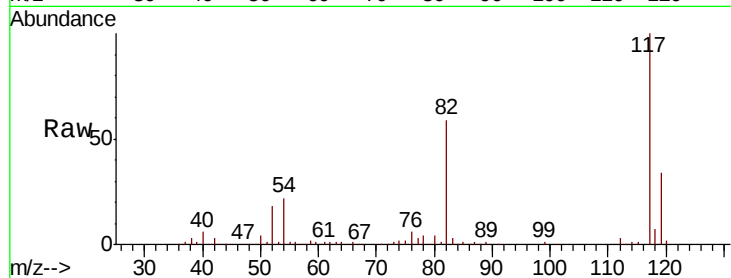




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW007257.D  
Acq: 06 Dec 2018 04:31

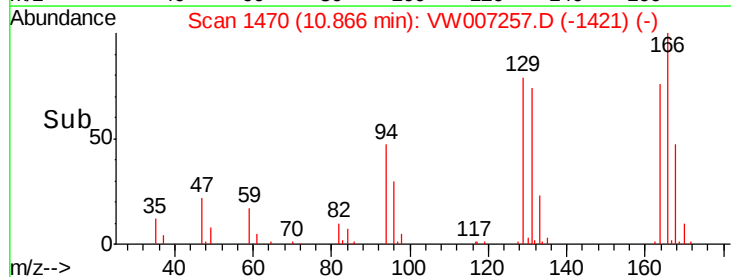
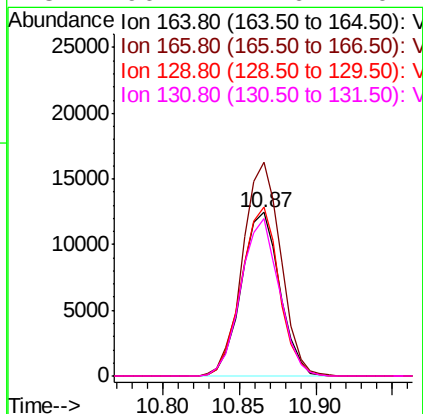
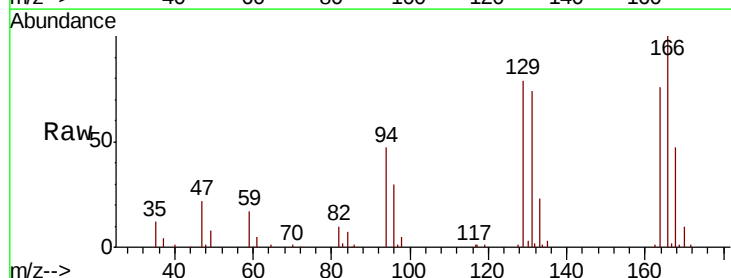
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1205SBS02

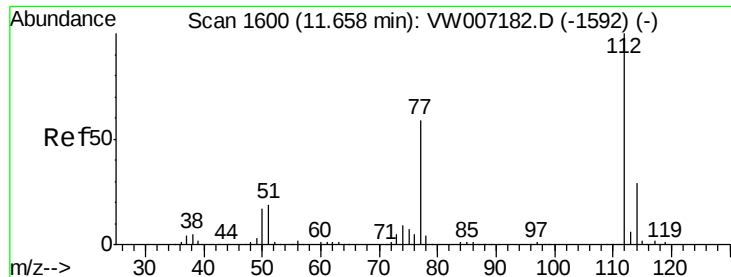
Tot Ion:117 Resp: 133146  
Ion Ratio Lower Upper  
117 100  
82 59.4 47.4 71.2  
119 34.1 26.8 40.2



#64  
Tetrachloroethene  
Concen: 22.276 ug/l  
RT: 10.87 min Scan# 1470  
Delta R.T. 0.00 min  
Lab File: VW007257.D  
Acq: 06 Dec 2018 04:31

Tgt Ion:164 Resp: 21670  
Ion Ratio Lower Upper  
164 100  
166 130.8 101.0 151.4  
129 103.6 74.6 111.8  
131 96.7 77.6 116.4

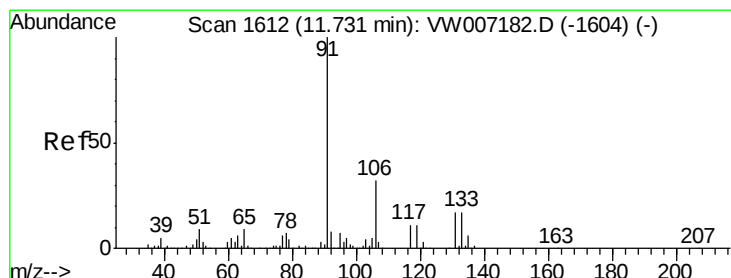
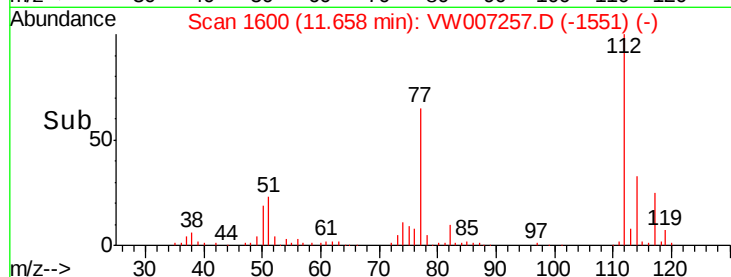
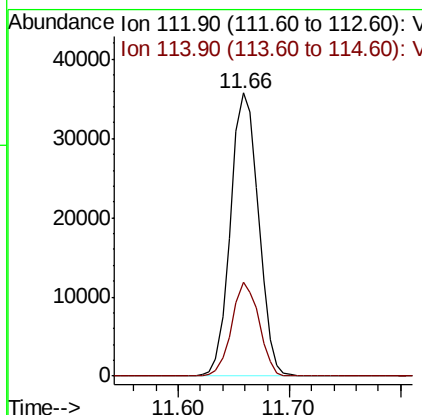
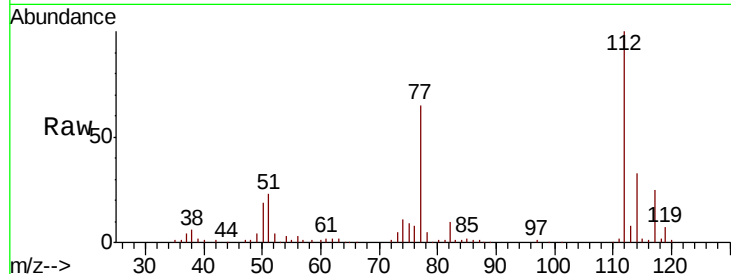




#65  
Chlorobenzene  
Concen: 20.923 ug/l  
RT: 11.66 min Scan# 1600  
Delta R.T. 0.00 min  
Lab File: VW007257.D  
Acq: 06 Dec 2018 04:31

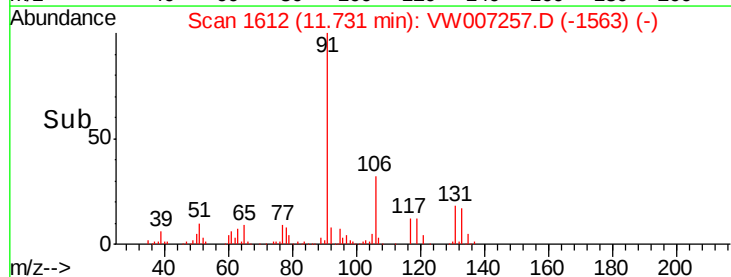
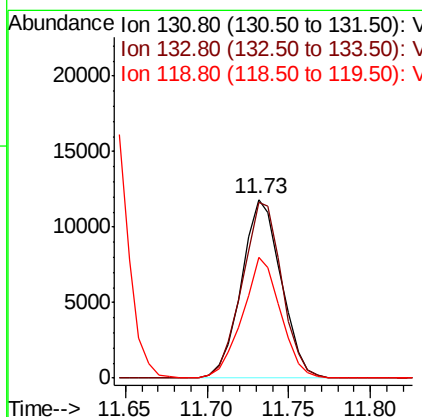
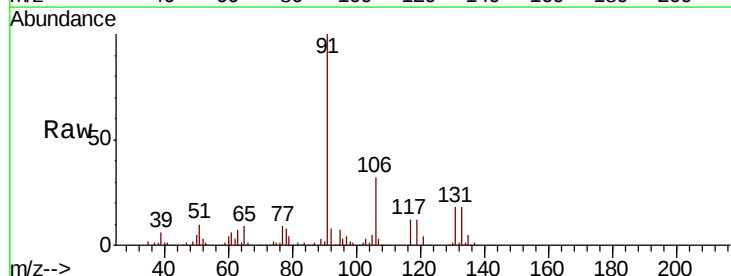
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1205SBS02

Tot Ion:112 Resp: 62218  
Ion Ratio Lower Upper  
112 100  
114 33.2 23.0 34.4



#66  
1,1,1,2-Tetrachloroethane  
Concen: 21.876 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. 0.00 min  
Lab File: VW007257.D  
Acq: 06 Dec 2018 04:31

Tgt Ion:131 Resp: 20090  
Ion Ratio Lower Upper  
131 100  
133 98.2 48.0 144.2  
119 64.9 32.8 98.4

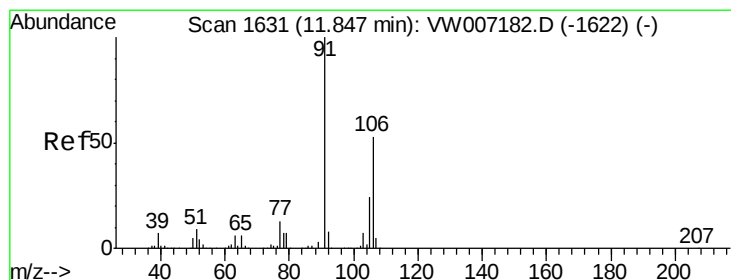
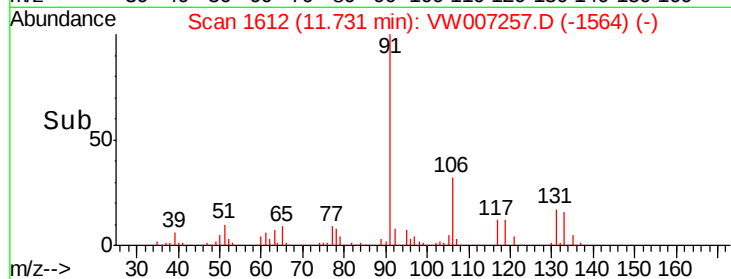
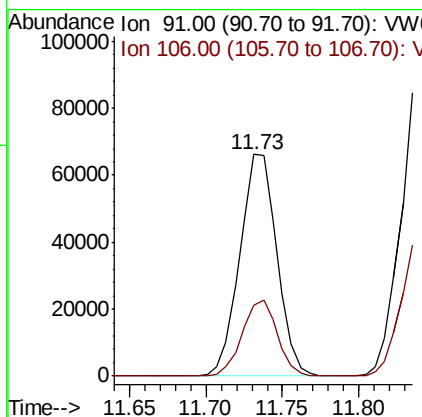
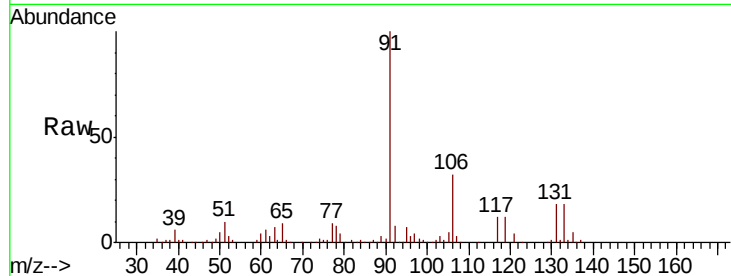




#67  
Ethyl Benzene  
Concen: 20.582 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. -0.01 min  
Lab File: VW007257.D  
Acq: 06 Dec 2018 04:31

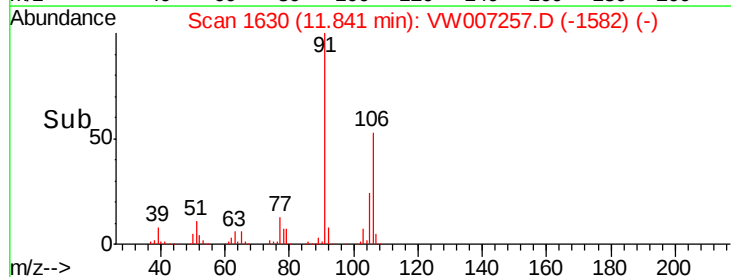
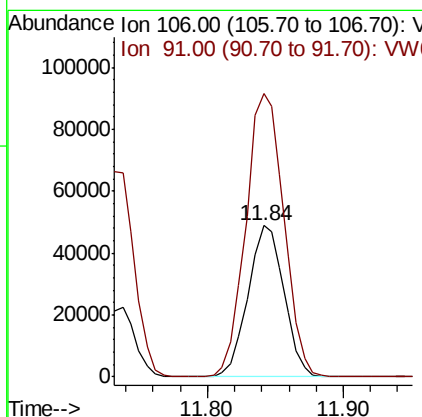
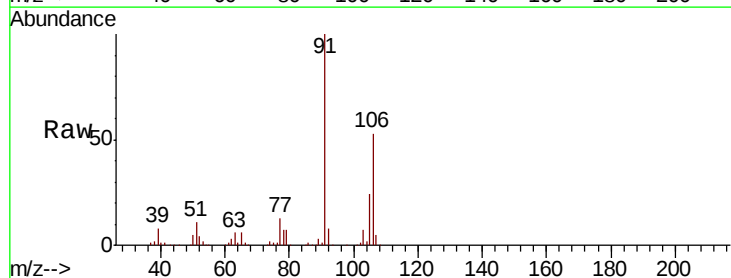
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1205SBS02

Tot Ion: 91 Resp: 111551  
Ion Ratio Lower Upper  
91 100  
106 32.1 26.0 39.0



#68  
m/p-Xylenes  
Concen: 42.583 ug/l  
RT: 11.84 min Scan# 1630  
Delta R.T. -0.01 min  
Lab File: VW007257.D  
Acq: 06 Dec 2018 04:31

Tgt Ion: 106 Resp: 90540  
Ion Ratio Lower Upper  
106 100  
91 197.7 160.2 240.4

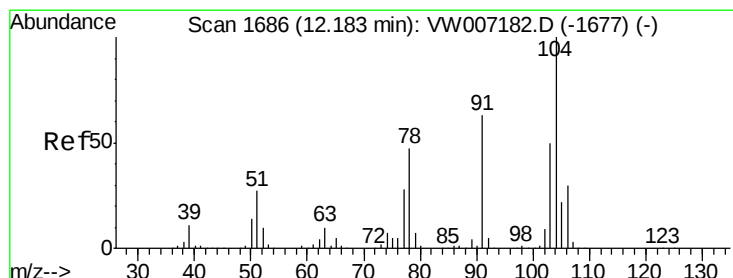
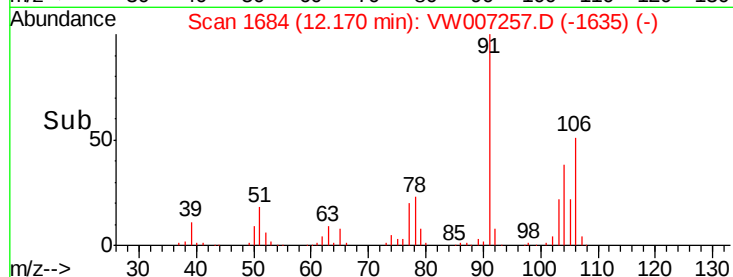
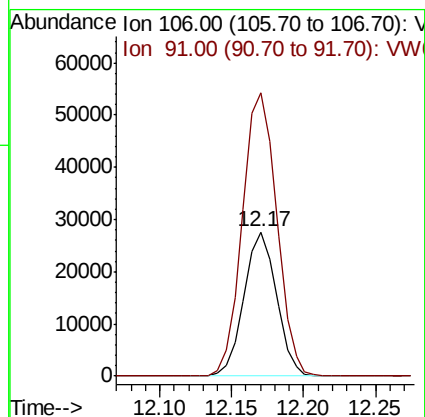
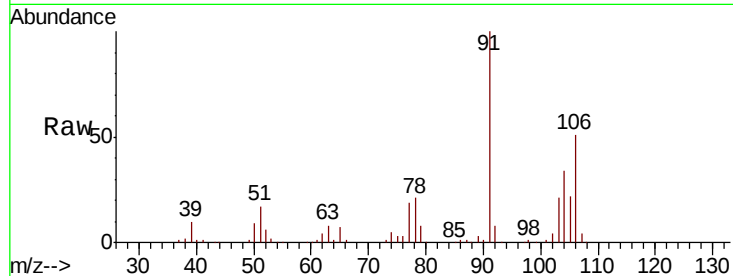




#69  
o-Xylene  
Concen: 21.735 ug/l  
RT: 12.17 min Scan# 1684  
Delta R.T. 0.00 min  
Lab File: VW007257.D  
Acq: 06 Dec 2018 04:31

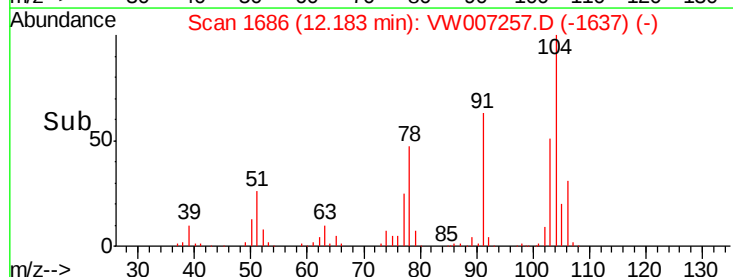
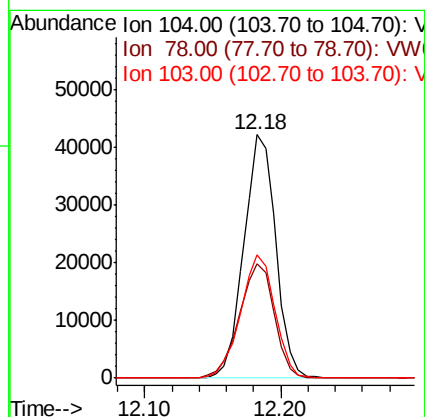
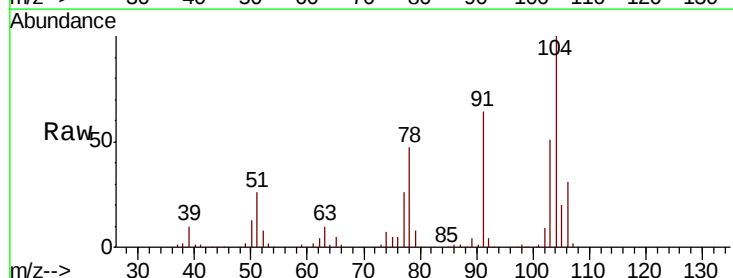
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1205SBS02

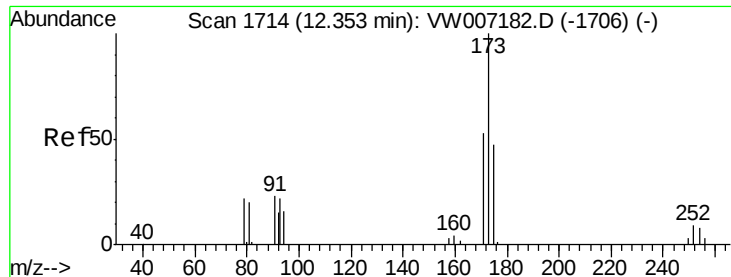
Tot Ion:106 Resp: 43177  
Ion Ratio Lower Upper  
106 100  
91 208.1 104.9 314.7



#70  
Styrene  
Concen: 21.335 ug/l  
RT: 12.18 min Scan# 1686  
Delta R.T. 0.00 min  
Lab File: VW007257.D  
Acq: 06 Dec 2018 04:31

Tgt Ion:104 Resp: 69379  
Ion Ratio Lower Upper  
104 100  
78 51.5 40.6 60.8  
103 54.5 43.0 64.4





#71

Bromoform

Concen: 21.859 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW007257.D

Acq: 06 Dec 2018 04:31

Instrument :

MSVOA\_W

ClientSampleId :

VW1205SBS02

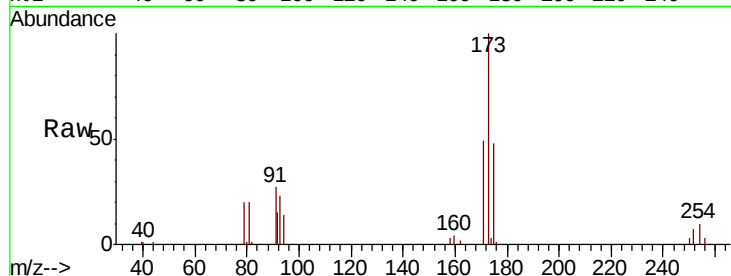
Tot Ion:173 Resp: 10049

Ion Ratio Lower Upper

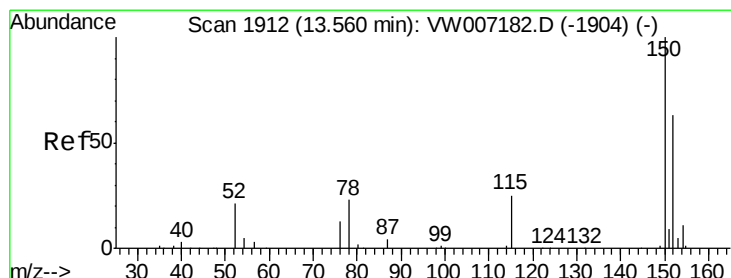
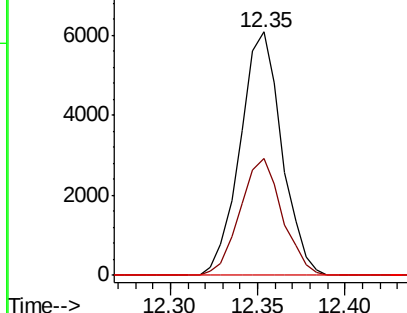
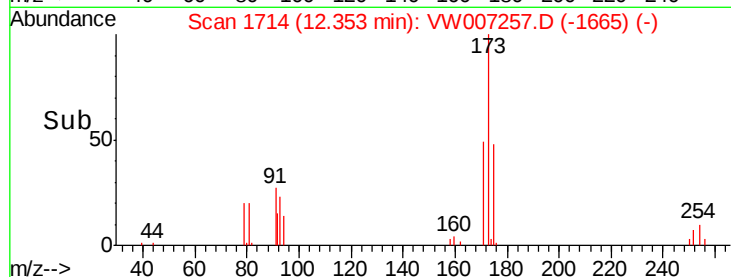
173 100

175 48.4 24.0 72.0

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.01 min

Lab File: VW007257.D

Acq: 06 Dec 2018 04:31

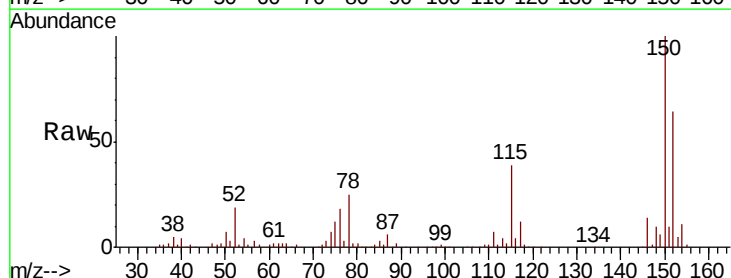
Tgt Ion:152 Resp: 65049

Ion Ratio Lower Upper

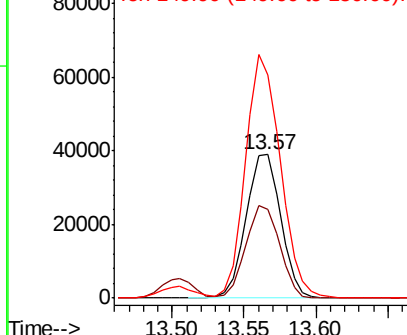
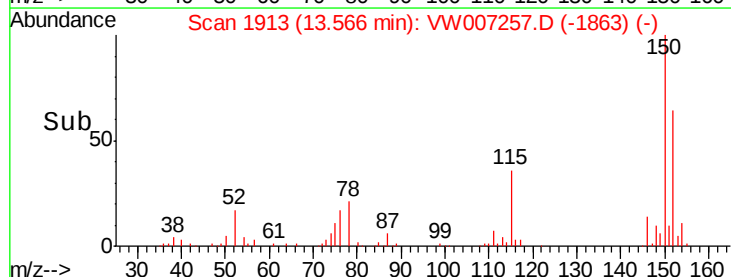
152 100

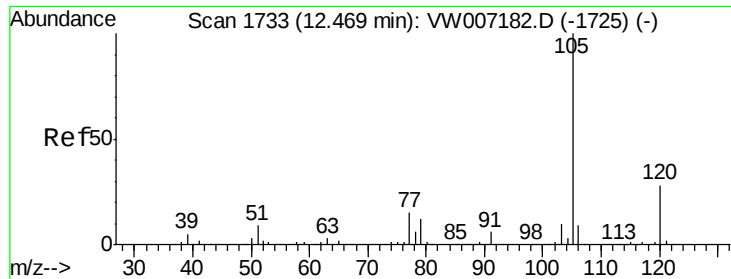
115 63.0 31.3 93.8

150 169.7 0.0 358.0



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: 21.729 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW007257.D

Acq: 06 Dec 2018 04:31

Instrument :

MSVOA\_W

ClientSampleId :

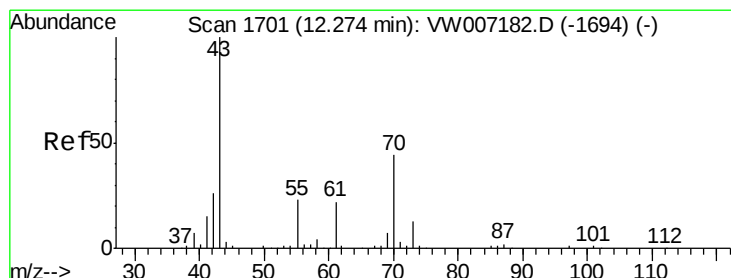
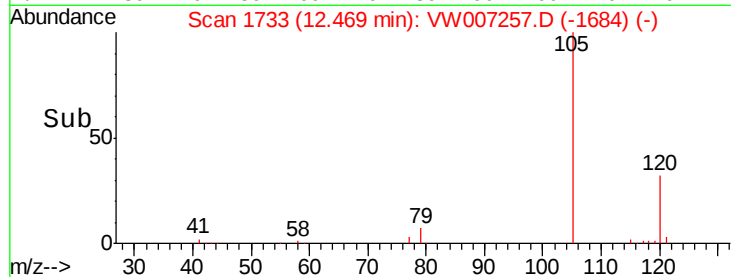
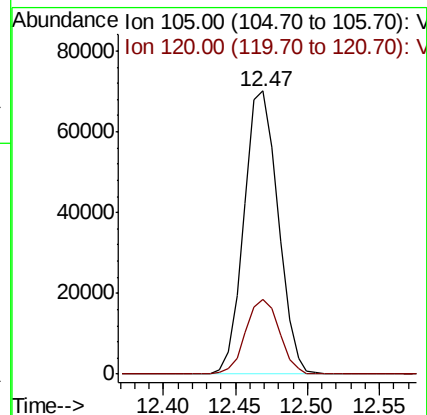
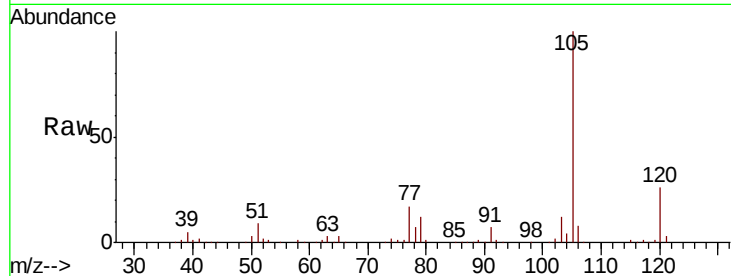
VW1205SBS02

Tot Ion:105 Resp: 114959

Ion Ratio Lower Upper

105 100

120 26.2 13.2 39.6



#74

N-ethyl acetate

Concen: 22.134 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW007257.D

Acq: 06 Dec 2018 04:31

Tgt Ion: 43 Resp: 20762

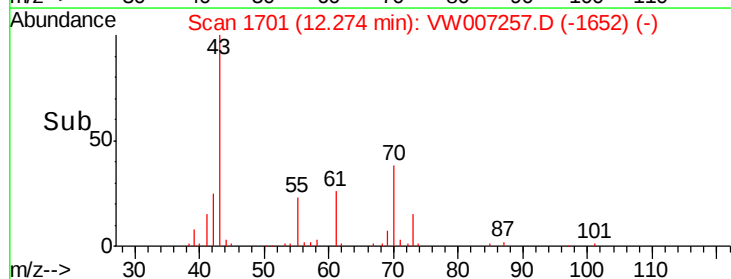
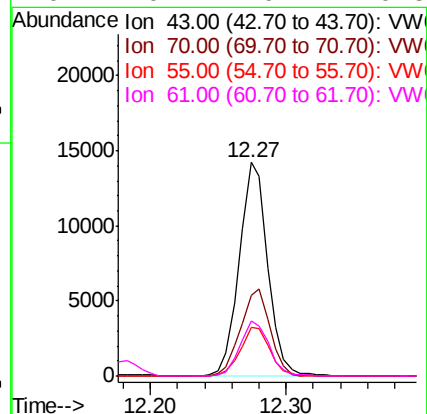
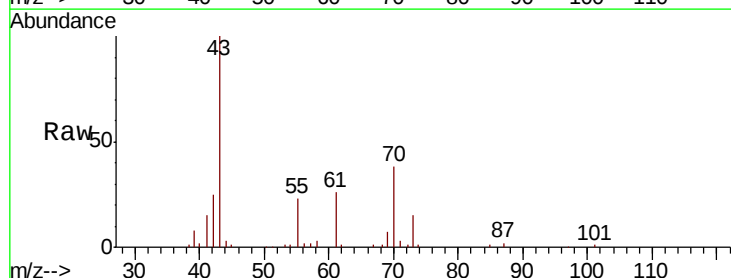
Ion Ratio Lower Upper

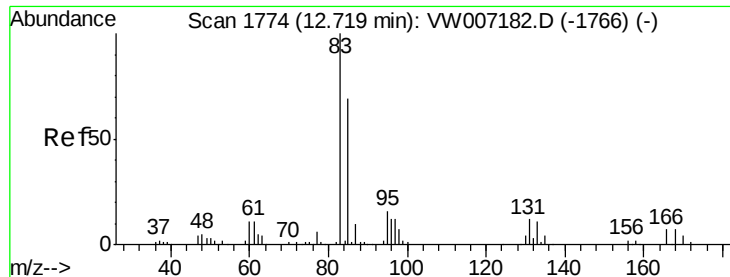
43 100

70 42.4 34.0 51.0

55 23.4 19.0 28.6

61 26.1 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 22.801 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW007257.D

Acq: 06 Dec 2018 04:31

Instrument :

MSVOA\_W

ClientSampleId :

VW1205SBS02

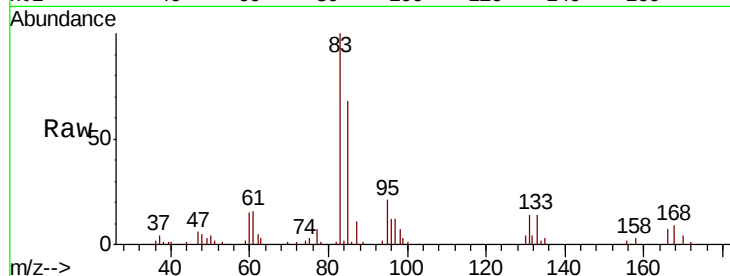
Tot Ion: 83 Resp: 15667

Ion Ratio Lower Upper

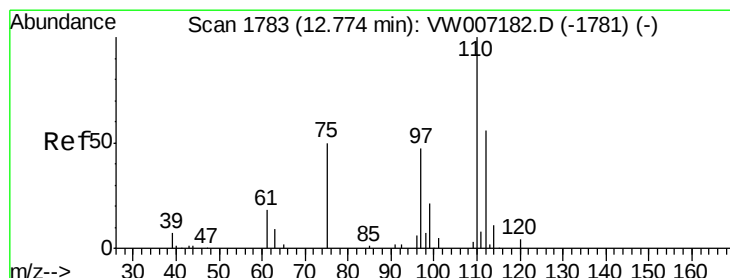
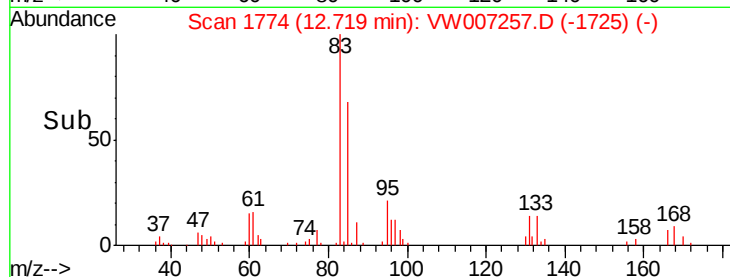
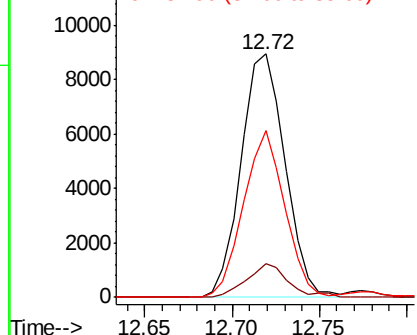
83 100

131 12.9 6.0 18.1

85 64.1 33.0 99.0



Abundance Ion 82.90 (82.60 to 83.60): VW  
Ion 130.80 (130.50 to 131.50): V  
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 44.185 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW007257.D

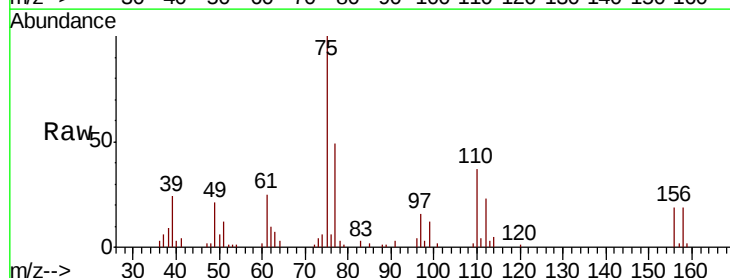
Acq: 06 Dec 2018 04:31

Tgt Ion: 75 Resp: 22255

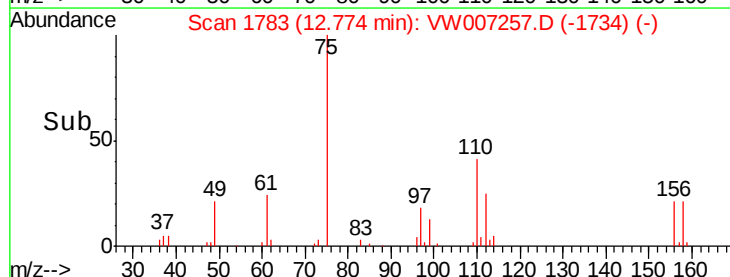
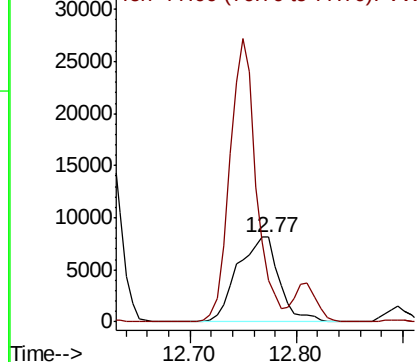
Ion Ratio Lower Upper

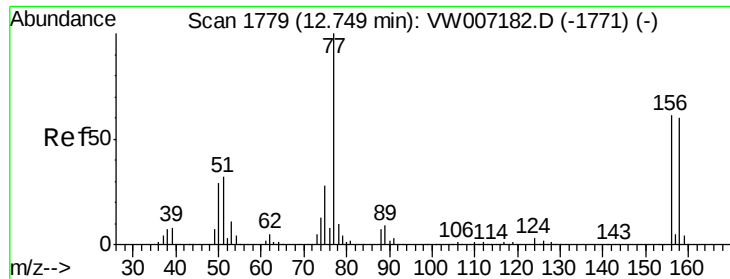
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW  
Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 23.093 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW007257.D

Acq: 06 Dec 2018 04:31

Instrument :

MSVOA\_W

ClientSampleId :

VW1205SBS02

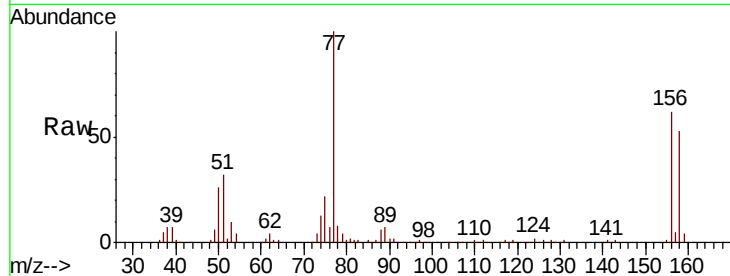
Tot Ion:156 Resp: 26372

Ion Ratio Lower Upper

156 100

77 179.1 92.0 276.1

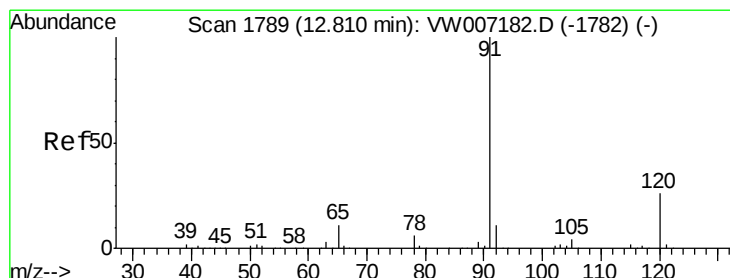
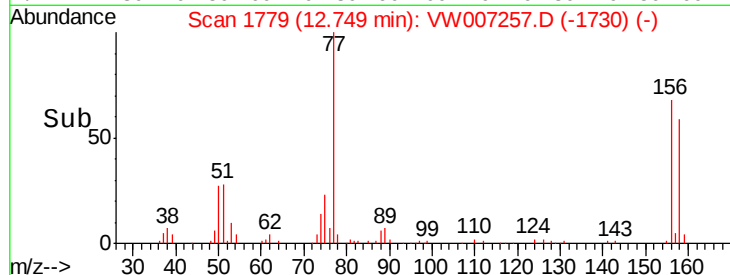
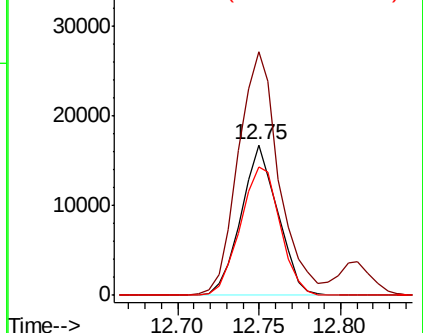
158 92.5 49.0 147.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.989 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW007257.D

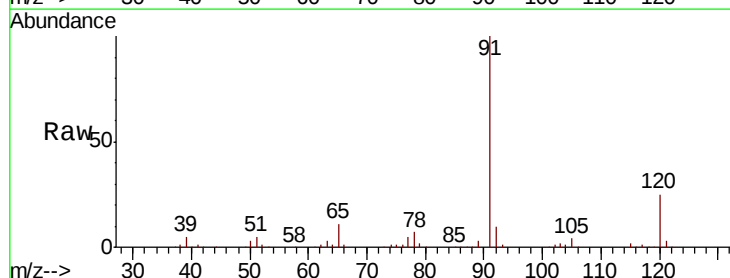
Acq: 06 Dec 2018 04:31

Tgt Ion: 91 Resp: 132297

Ion Ratio Lower Upper

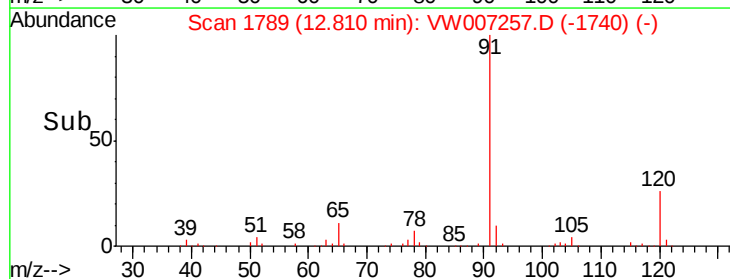
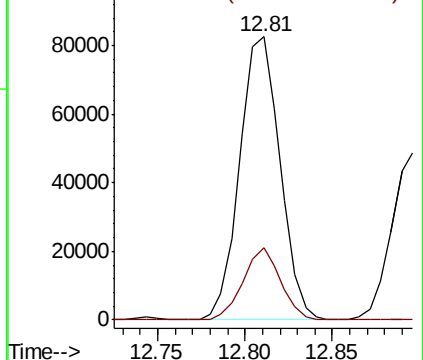
91 100

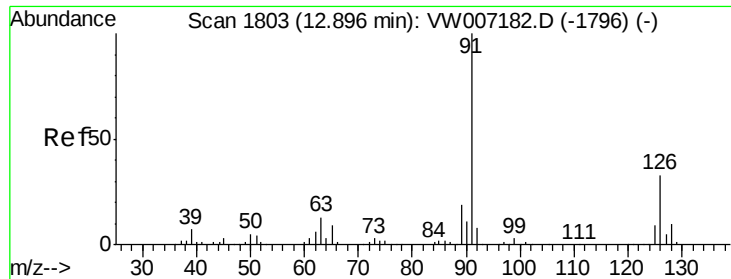
120 23.8 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

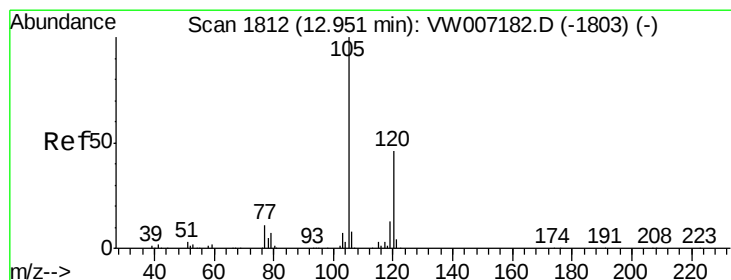
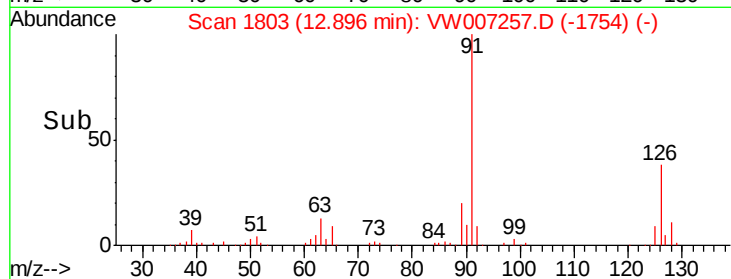
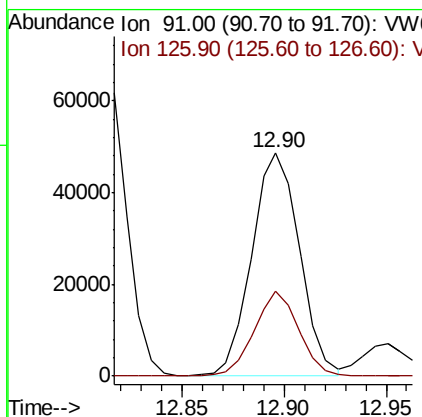
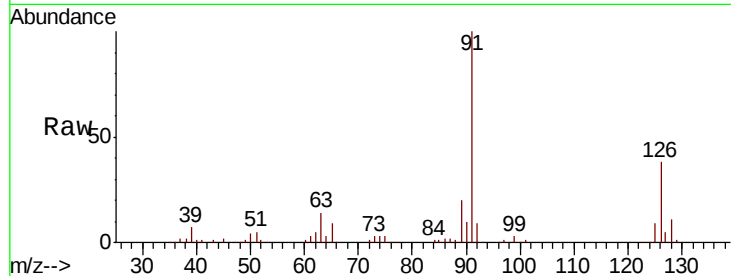




#79  
 2-Chlorotoluene  
 Concen: 22.197 ug/l  
 RT: 12.90 min Scan# 1803  
 Delta R.T. 0.00 min  
 Lab File: VW007257.D  
 Acq: 06 Dec 2018 04:31

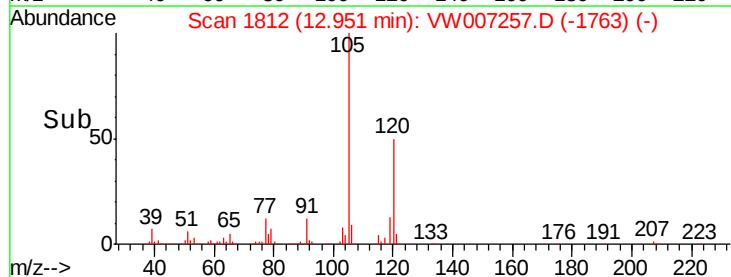
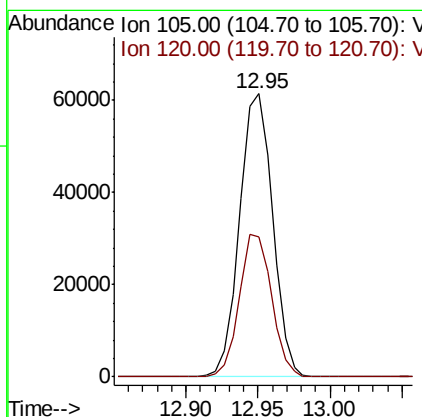
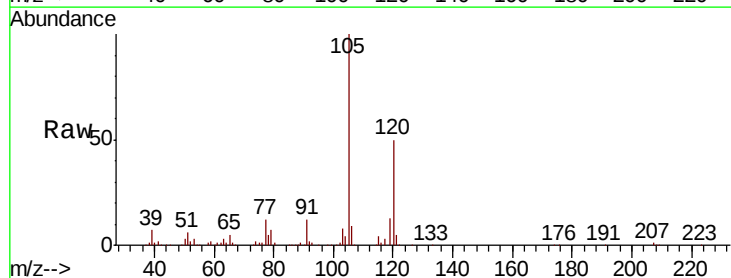
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW1205SBS02

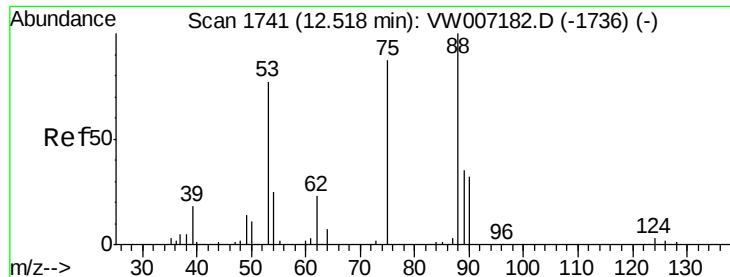
Tot Ion: 91 Resp: 79007  
 Ion Ratio Lower Upper  
 91 100  
 126 35.4 16.7 50.1



#80  
 1,3,5-Trimethylbenzene  
 Concen: 21.624 ug/l  
 RT: 12.95 min Scan# 1812  
 Delta R.T. 0.00 min  
 Lab File: VW007257.D  
 Acq: 06 Dec 2018 04:31

Tgt Ion: 105 Resp: 97869  
 Ion Ratio Lower Upper  
 105 100  
 120 49.4 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 19.286 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW007257.D

Acq: 06 Dec 2018 04:31

Instrument :

MSVOA\_W

ClientSampleId :

VW1205SBS02

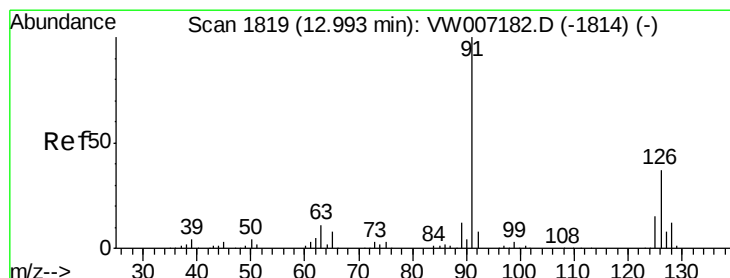
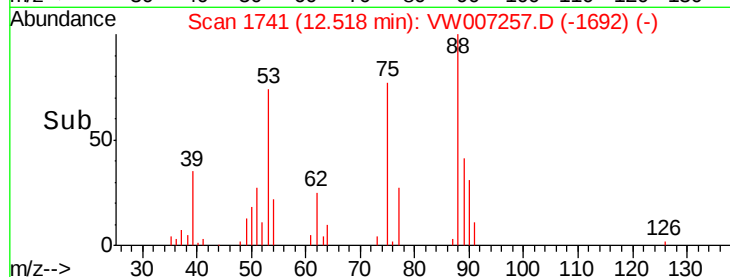
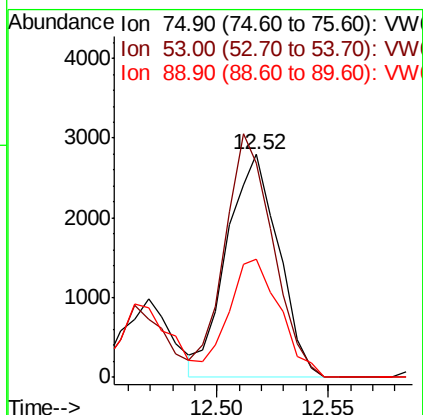
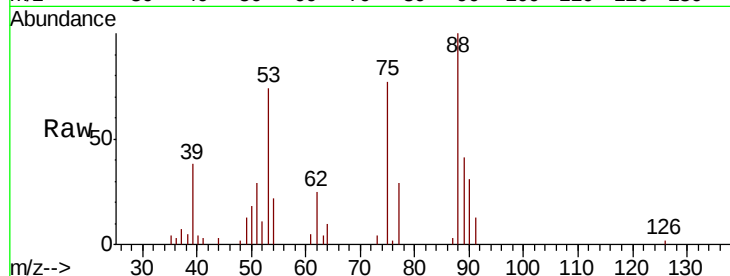
Tot Ion: 75 Resp: 4507

Ion Ratio Lower Upper

75 100

53 101.9 72.8 109.2

89 52.4 36.4 54.6



#82

4-Chlorotoluene

Concen: 21.170 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW007257.D

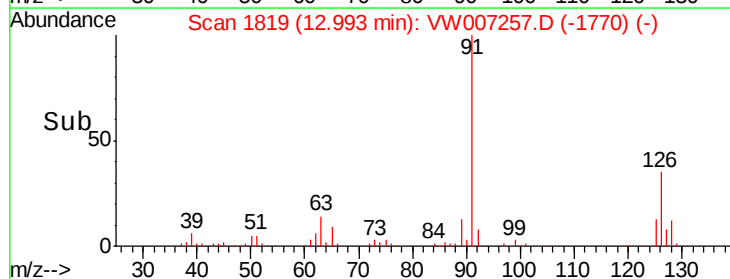
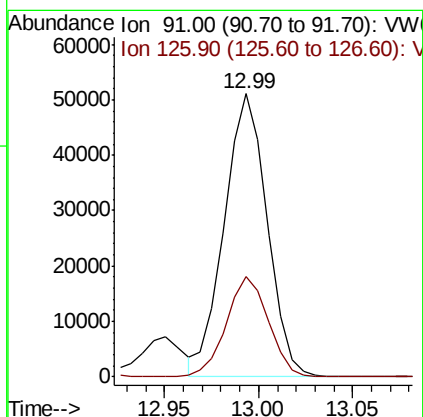
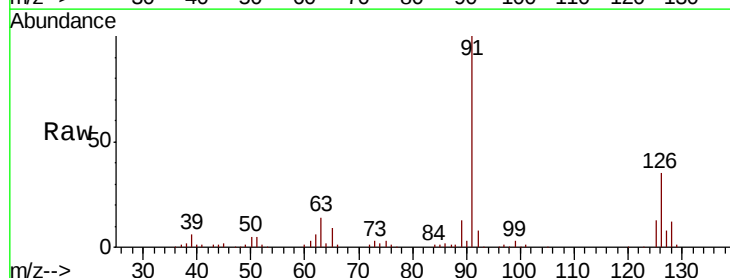
Acq: 06 Dec 2018 04:31

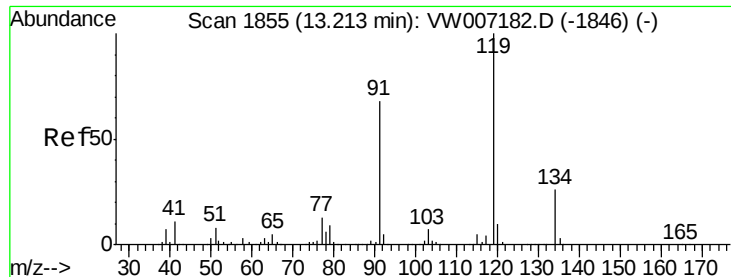
Tgt Ion: 91 Resp: 80163

Ion Ratio Lower Upper

91 100

126 34.9 17.4 52.3





#83

tert-Butylbenzene

Concen: 22.154 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW007257.D

Acq: 06 Dec 2018 04:31

Instrument :

MSVOA\_W

ClientSampleId :

VW1205SBS02

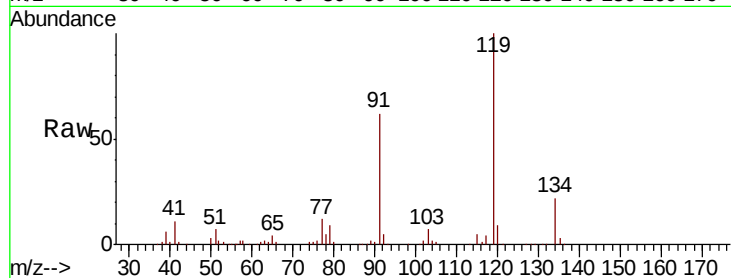
Tot Ion:119 Resp: 87624

Ion Ratio Lower Upper

119 100

91 65.3 34.0 101.8

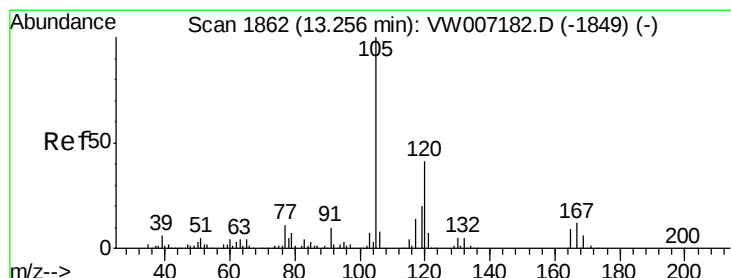
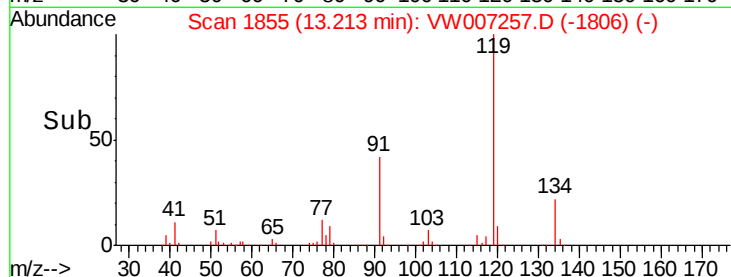
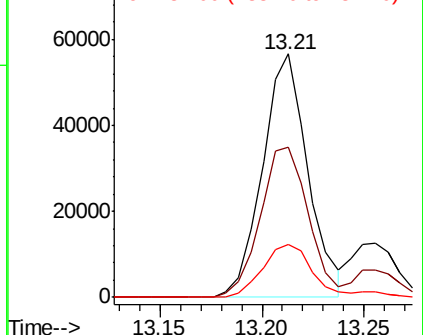
134 23.5 13.2 39.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.123 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW007257.D

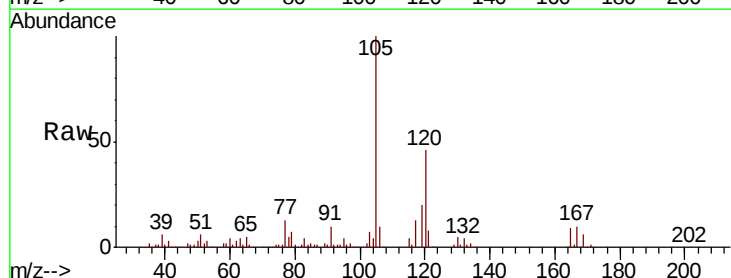
Acq: 06 Dec 2018 04:31

Tgt Ion:105 Resp: 97592

Ion Ratio Lower Upper

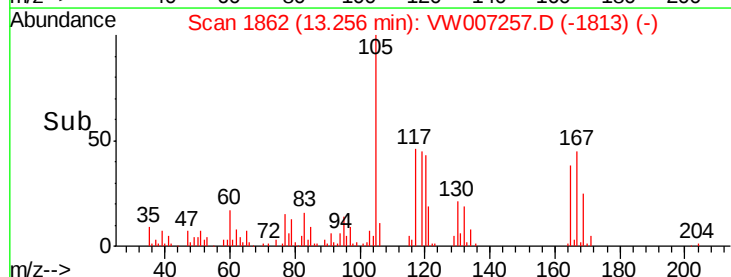
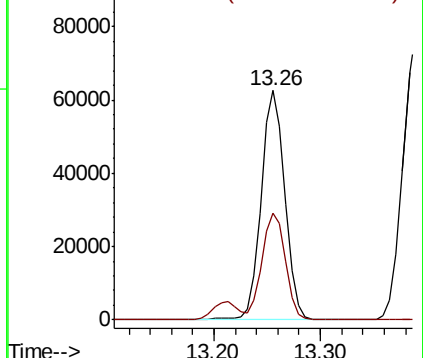
105 100

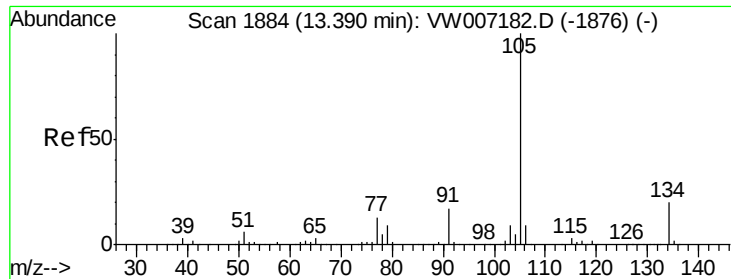
120 45.8 21.1 63.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

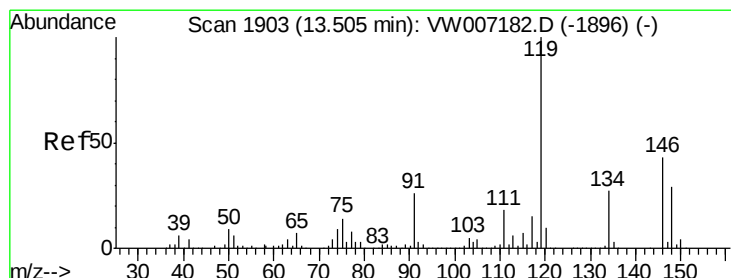
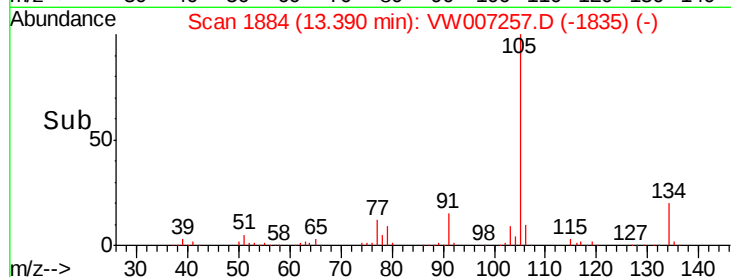
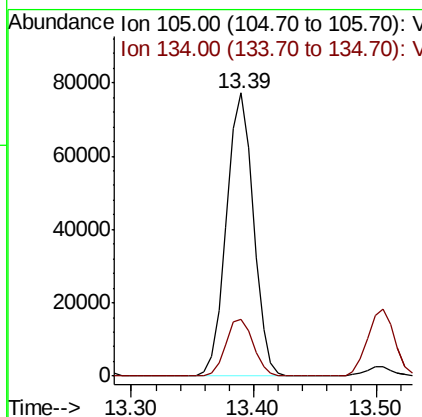
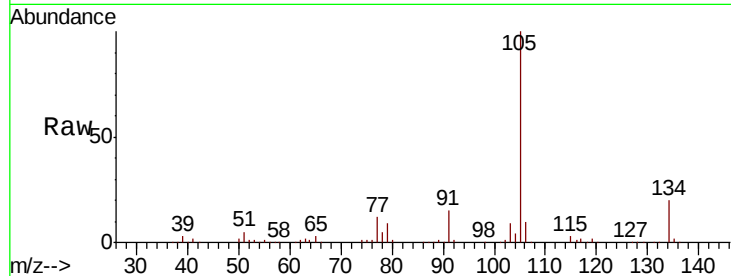




#85  
 sec-Butylbenzene  
 Concen: 20.894 ug/l  
 RT: 13.39 min Scan# 1884  
 Delta R.T. 0.00 min  
 Lab File: VW007257.D  
 Acq: 06 Dec 2018 04:31

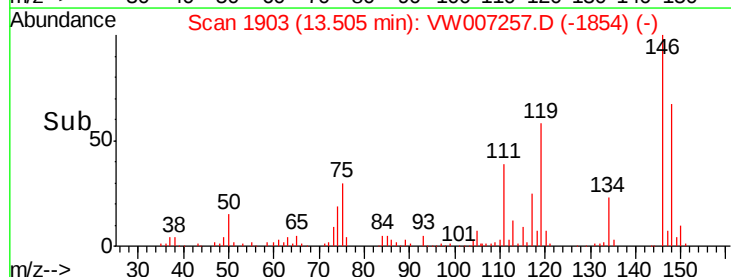
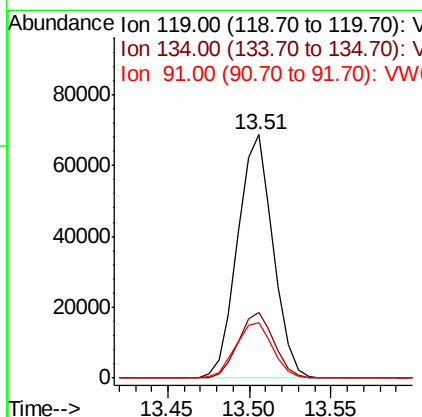
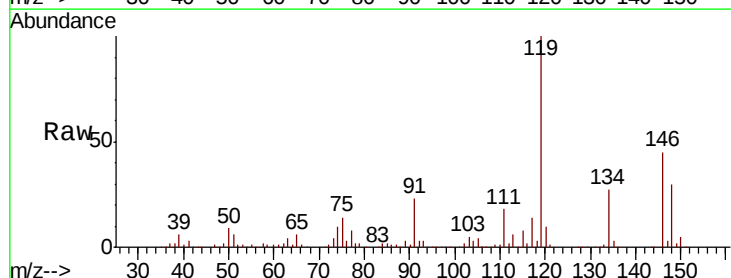
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW1205SBS02

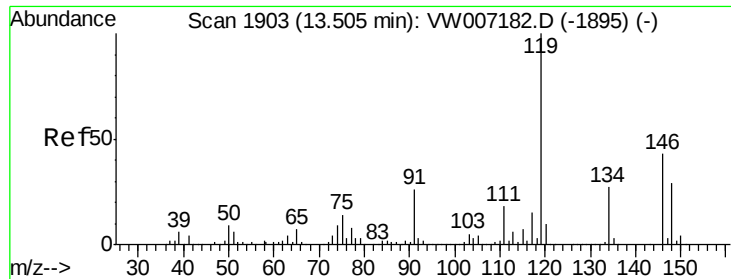
Tot Ion:105 Resp: 117977  
 Ion Ratio Lower Upper  
 105 100  
 134 20.5 10.3 30.8



#86  
 p-Isopropyltoluene  
 Concen: 20.769 ug/l  
 RT: 13.51 min Scan# 1903  
 Delta R.T. 0.00 min  
 Lab File: VW007257.D  
 Acq: 06 Dec 2018 04:31

Tgt Ion:119 Resp: 104400  
 Ion Ratio Lower Upper  
 119 100  
 134 26.9 13.2 39.6  
 91 23.9 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 21.850 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW007257.D

Acq: 06 Dec 2018 04:31

Instrument :

MSVOA\_W

ClientSampleId :

VW1205SBS02

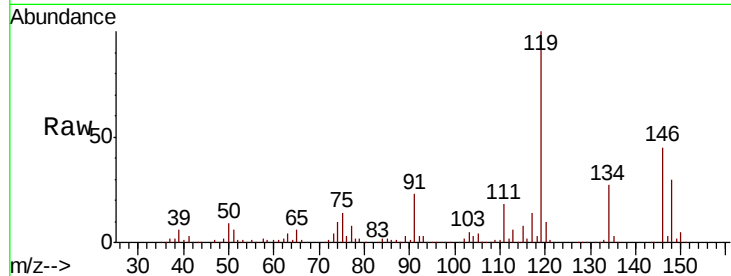
Tot Ion:146 Resp: 51224

Ion Ratio Lower Upper

146 100

111 40.9 21.1 63.4

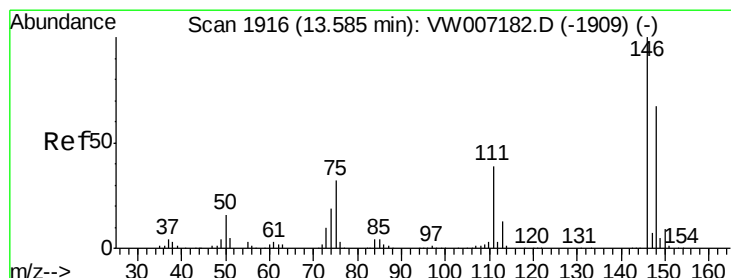
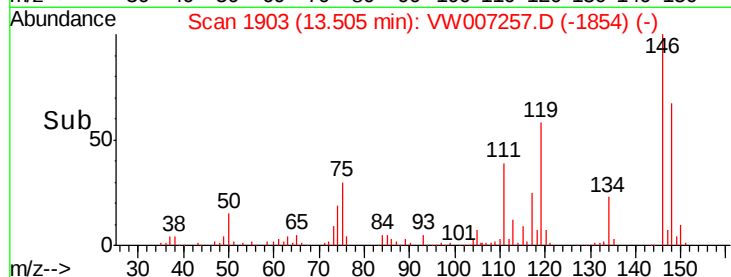
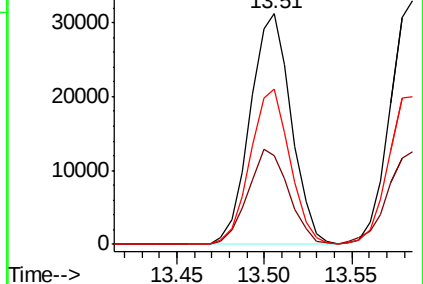
148 65.0 32.8 98.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 22.106 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VW007257.D

Acq: 06 Dec 2018 04:31

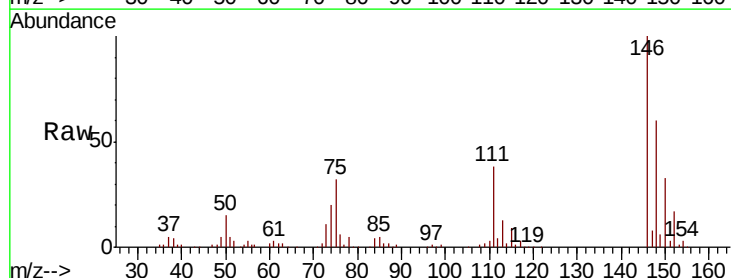
Tgt Ion:146 Resp: 52349

Ion Ratio Lower Upper

146 100

111 39.8 19.6 58.8

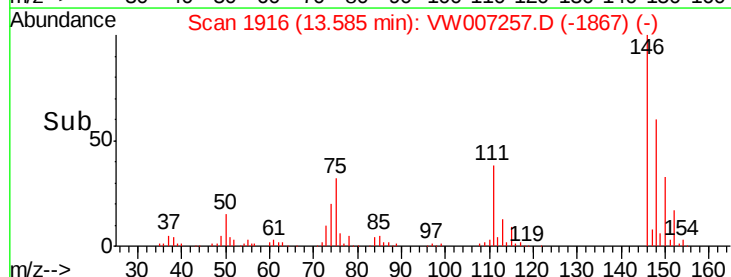
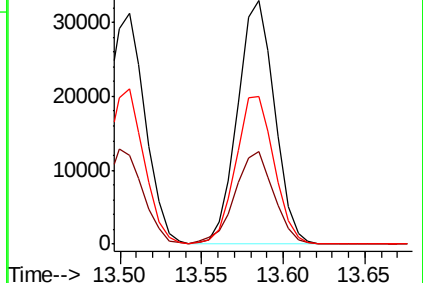
148 62.7 32.6 98.0

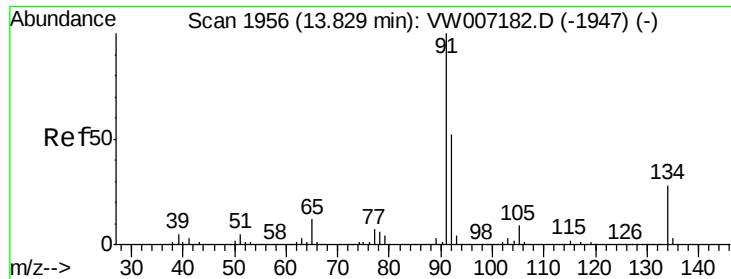


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 21.043 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW007257.D

Acq: 06 Dec 2018 04:31

Instrument :

MSVOA\_W

ClientSampleId :

VW1205SBS02

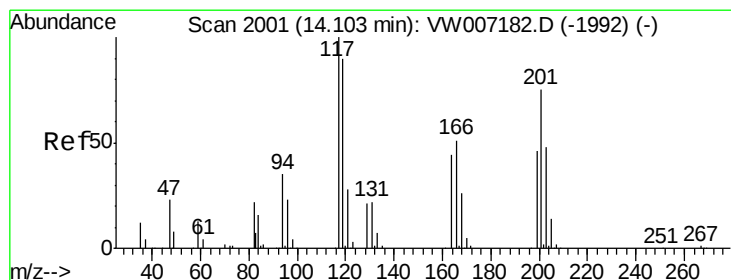
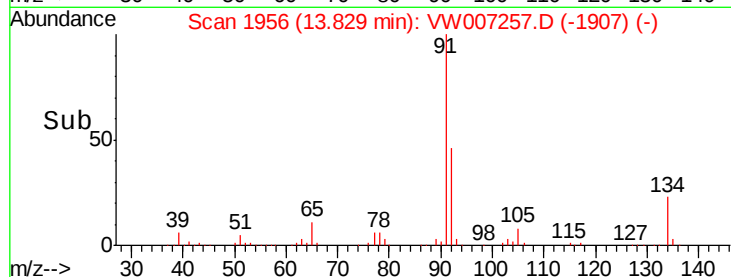
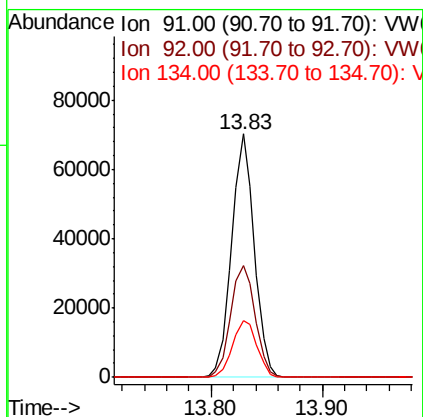
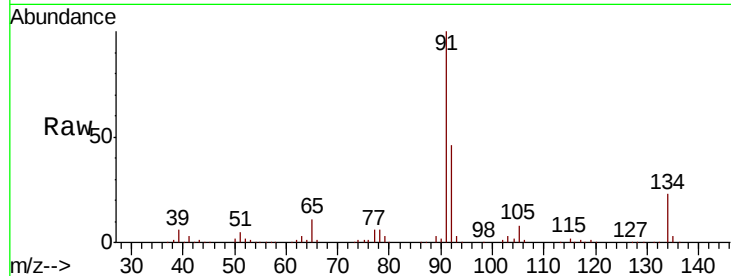
Tot Ion: 91 Resp: 98841

Ion Ratio Lower Upper

91 100

92 49.8 26.5 79.5

134 25.2 14.1 42.2



#90

Hexachloroethane

Concen: 21.294 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.01 min

Lab File: VW007257.D

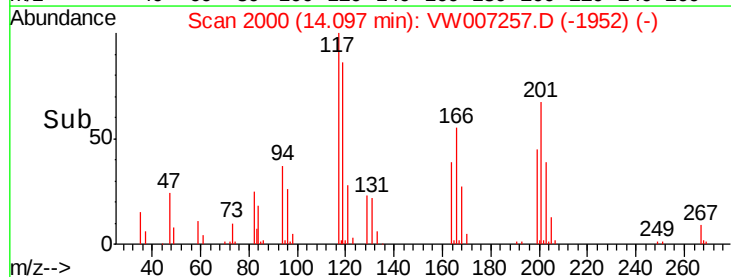
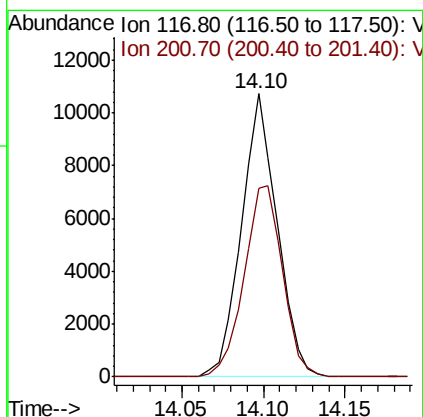
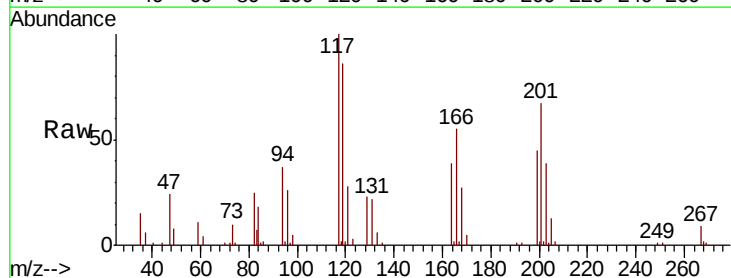
Acq: 06 Dec 2018 04:31

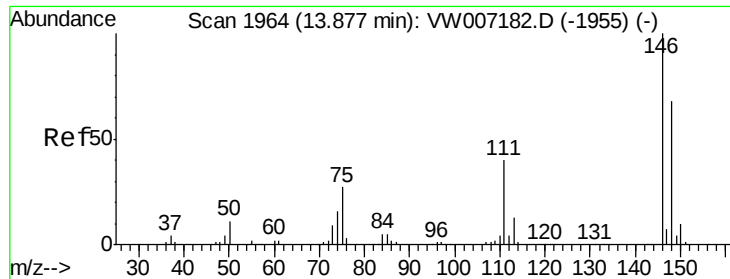
Tgt Ion: 117 Resp: 16311

Ion Ratio Lower Upper

117 100

201 72.9 36.0 108.1

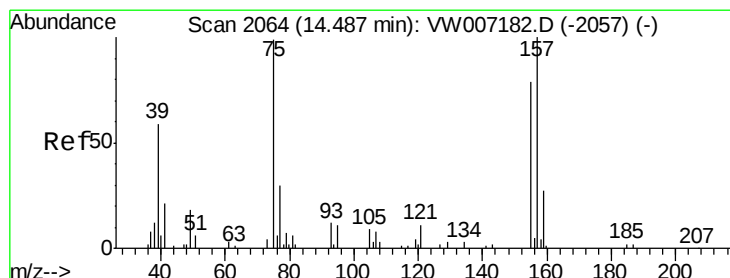
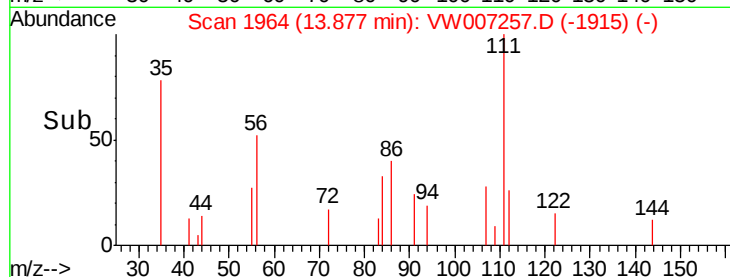
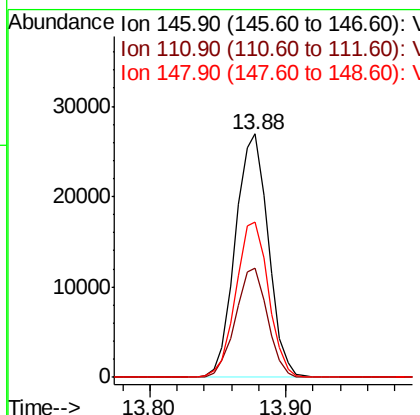
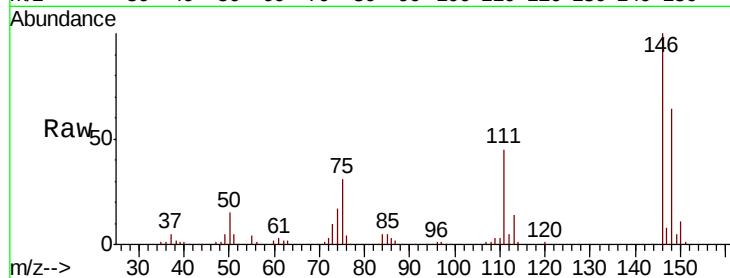




#91  
 1,2-Dichlorobenzene  
 Concen: 22.424 ug/l  
 RT: 13.88 min Scan# 1964  
 Delta R.T. 0.00 min  
 Lab File: VW007257.D  
 Acq: 06 Dec 2018 04:31

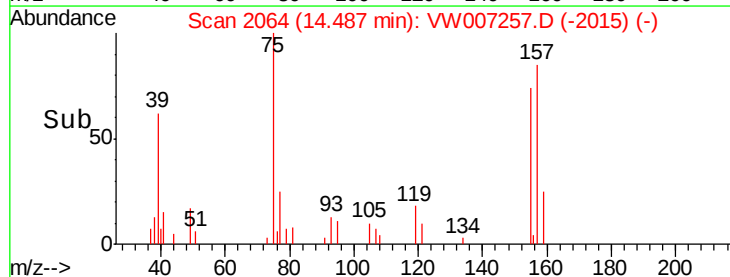
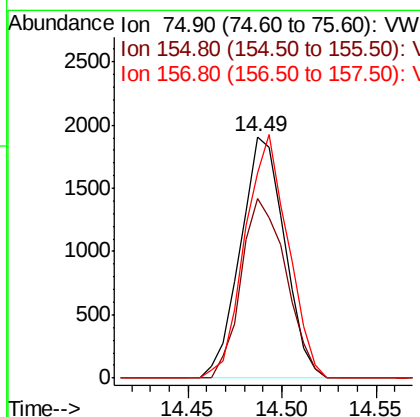
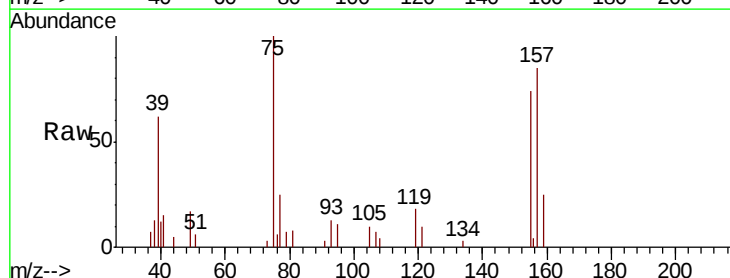
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW1205SBS02

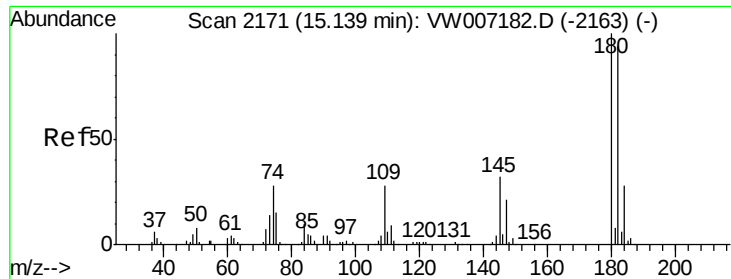
Tot Ion:146 Resp: 45511  
 Ion Ratio Lower Upper  
 146 100  
 111 43.3 21.6 65.0  
 148 63.1 32.7 98.1



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 23.297 ug/l  
 RT: 14.49 min Scan# 2064  
 Delta R.T. 0.00 min  
 Lab File: VW007257.D  
 Acq: 06 Dec 2018 04:31

Tgt Ion: 75 Resp: 3101  
 Ion Ratio Lower Upper  
 75 100  
 155 75.3 42.4 127.2  
 157 98.0 55.3 165.9

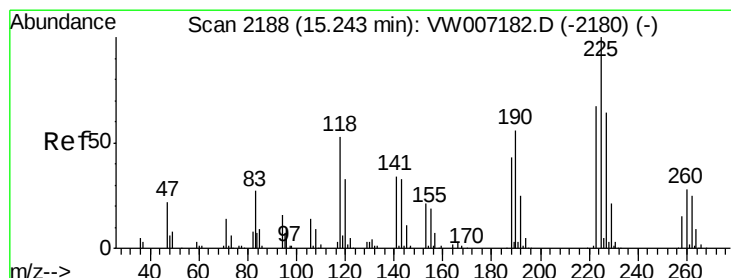
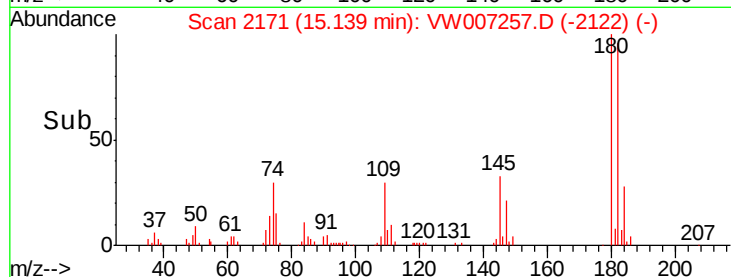
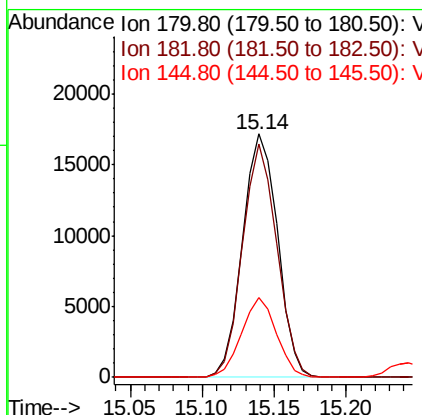
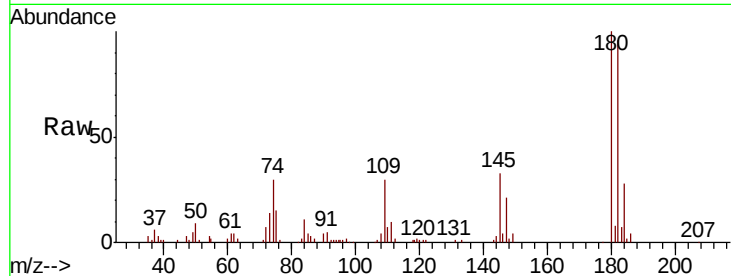




#93  
 1,2,4-Trichlorobenzene  
 Concen: 20.631 ug/l  
 RT: 15.14 min Scan# 2171  
 Delta R.T. 0.00 min  
 Lab File: VW007257.D  
 Acq: 06 Dec 2018 04:31

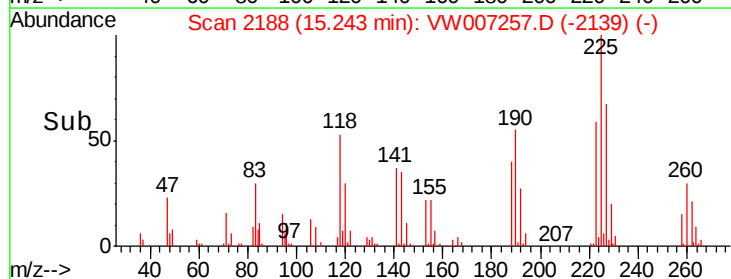
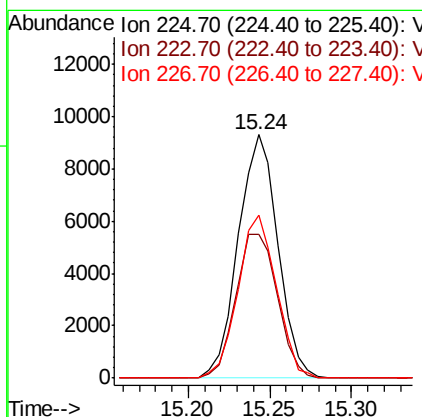
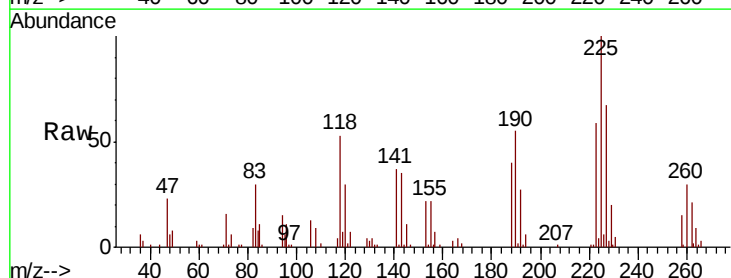
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW1205SBS02

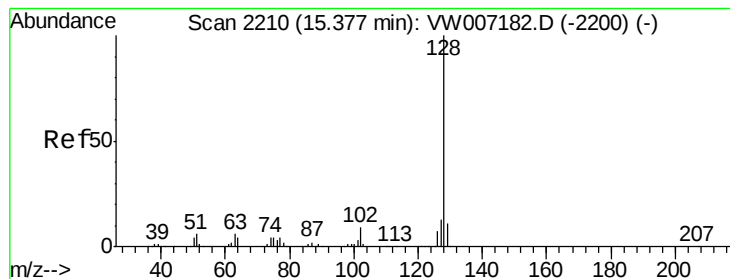
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.0  | 47.9  | 143.8 |
| 145     | 32.4  | 16.6  | 49.7  |



#94  
 Hexachlorobutadiene  
 Concen: 20.774 ug/l  
 RT: 15.24 min Scan# 2188  
 Delta R.T. 0.00 min  
 Lab File: VW007257.D  
 Acq: 06 Dec 2018 04:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.2  | 32.3  | 96.8  |
| 227     | 64.7  | 32.1  | 96.3  |





#95

Naphthalene

Concen: 20.677 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.01 min

Lab File: VW007257.D

Acq: 06 Dec 2018 04:31

Instrument :

MSVOA\_W

ClientSampleId :

VW1205SBS02

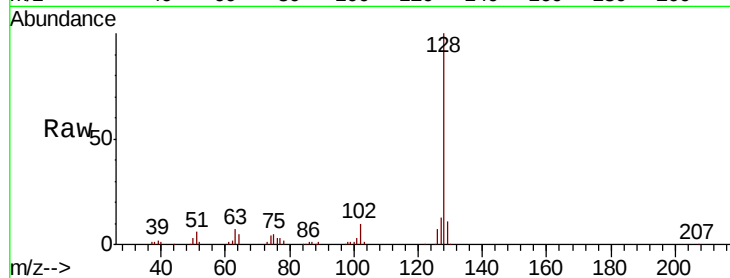
Tot Ion:128 Resp: 52120

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

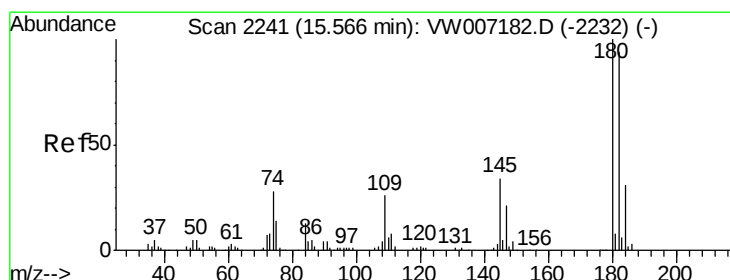
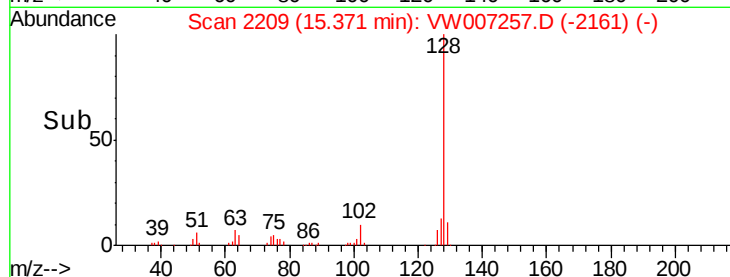
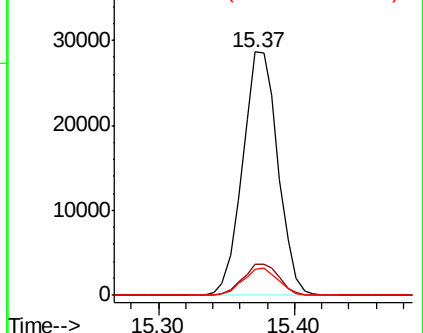
129 11.1 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.828 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.01 min

Lab File: VW007257.D

Acq: 06 Dec 2018 04:31

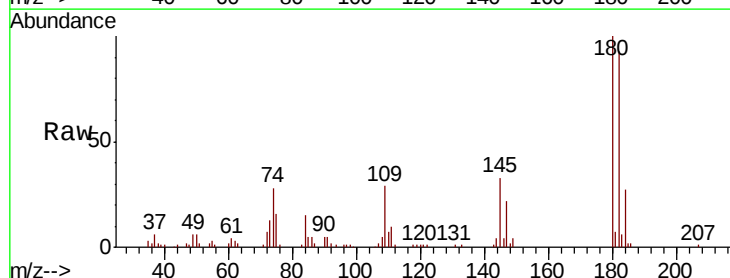
Tgt Ion:180 Resp: 24701

Ion Ratio Lower Upper

180 100

182 95.1 47.4 142.2

145 35.2 17.6 52.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

