

Data File : VW003254.D  
Acq On : 13 Jun 2018 19:33  
Operator : VA/AP  
Sample : VSTDICV050  
Misc : 5.00G/5ML/MSVOA\_W/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
ICVW061318

Quant Time: Jun 14 08:24:55 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W061318S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jun 14 08:20:43 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 280934   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 445573   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.64 | 117  | 410814   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 218050   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 8.31   | 65  | 166891   | 54.85 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 109.70% |      |
| 35) Dibromofluoromethane    | 7.88   | 113 | 147642   | 53.33 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 106.66% |      |
| 50) Toluene-d8              | 10.33  | 98  | 592349   | 53.96 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 107.92% |      |
| 62) 4-Bromofluorobenzene    | 12.63  | 95  | 214895   | 55.31 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 110.62% |      |

|                               |      |     |         |        |        |        |
|-------------------------------|------|-----|---------|--------|--------|--------|
| Target Compounds              |      |     |         |        |        | Qvalue |
| 2) Dichlorodifluoromethane    | 2.00 | 85  | 41628   | 49.01  | ug/l   | 89     |
| 3) Chloromethane              | 2.21 | 50  | 110108  | 51.31  | ug/l   | 96     |
| 4) Vinyl Chloride             | 2.35 | 62  | 148484  | 47.46  | ug/l   | 100    |
| 5) Bromomethane               | 2.78 | 94  | 98662   | 47.45  | ug/l   | 93     |
| 6) Chloroethane               | 2.92 | 64  | 99370   | 45.63  | ug/l   | 99     |
| 7) Trichlorofluoromethane     | 3.25 | 101 | 85254   | 45.49  | ug/l   | 97     |
| 8) Diethyl Ether              | 3.67 | 74  | 67310   | 48.89  | ug/l   | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.06 | 101 | 121196  | 46.57  | ug/l   | 99     |
| 10) Methyl Iodide             | 4.26 | 142 | 190683  | 48.45  | ug/l   | 99     |
| 11) Tert butyl alcohol        | 5.26 | 59  | 44631   | 273.48 | ug/l # | 84     |
| 12) 1,1-Dichloroethene        | 4.03 | 96  | 119096  | 46.83  | ug/l   | 98     |
| 13) Acrolein                  | 3.90 | 56  | 58566   | 251.00 | ug/l   | 98     |
| 14) Allyl chloride            | 4.66 | 41  | 219165  | 49.75  | ug/l   | 99     |
| 15) Acrylonitrile             | 5.38 | 53  | 145934  | 257.64 | ug/l   | 99     |
| 16) Acetone                   | 4.15 | 43  | 156087  | 244.57 | ug/l   | 98     |
| 17) Carbon Disulfide          | 4.37 | 76  | 356141  | 47.37  | ug/l   | 100    |
| 18) Methyl Acetate            | 4.68 | 43  | 78156   | 51.62  | ug/l   | 99     |
| 19) Methyl tert-butyl Ether   | 5.43 | 73  | 248726  | 52.22  | ug/l   | 99     |
| 20) Methylene Chloride        | 4.91 | 84  | 140130  | 51.82  | ug/l   | 98     |
| 21) trans-1,2-Dichloroethene  | 5.42 | 96  | 134293  | 48.52  | ug/l   | 99     |
| 22) Diisopropyl ether         | 6.31 | 45  | 458768  | 51.75  | ug/l   | 97     |
| 23) Vinyl Acetate             | 6.26 | 43  | 1347766 | 263.80 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 6.21 | 63  | 262020  | 49.78  | ug/l   | 99     |
| 25) 2-Butanone                | 7.18 | 43  | 202524  | 255.20 | ug/l   | 96     |
| 26) 2,2-Dichloropropane       | 7.17 | 77  | 164999  | 46.97  | ug/l   | 100    |
| 27) cis-1,2-Dichloroethene    | 7.17 | 96  | 152763  | 50.24  | ug/l   | 99     |
| 28) Bromochloromethane        | 7.51 | 49  | 123749  | 56.50  | ug/l   | 99     |
| 29) Tetrahydrofuran           | 7.54 | 42  | 128114  | 264.15 | ug/l   | 99     |
| 30) Chloroform                | 7.68 | 83  | 265566  | 49.53  | ug/l   | 98     |
| 31) Cyclohexane               | 7.96 | 56  | 223609  | 45.48  | ug/l   | 98     |
| 32) 1,1,1-Trichloroethane     | 7.87 | 97  | 216196  | 48.85  | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 8.09 | 75  | 205291  | 47.71  | ug/l   | 100    |
| 37) Ethyl Acetate             | 7.26 | 43  | 88698   | 49.76  | ug/l   | 99     |
| 38) Carbon Tetrachloride      | 8.07 | 117 | 202100  | 47.88  | ug/l   | 99     |

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ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
ICVW061318

Quant Time: Jun 14 08:24:55 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W061318S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jun 14 08:20:43 2018  
Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.34  | 83   | 241428   | 48.49   | ug/l   | 99       |
| 40) Benzene                    | 8.32  | 78   | 577342   | 48.67   | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.49  | 41   | 56958    | 52.07   | ug/l   | 98       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 183840   | 49.47   | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.43  | 43   | 180216   | 50.91   | ug/l   | 100      |
| 44) Trichloroethene            | 9.10  | 130  | 151623   | 48.24   | ug/l   | 94       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 150989   | 50.00   | ug/l   | 98       |
| 46) Dibromomethane             | 9.46  | 93   | 77623    | 50.20   | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.65  | 83   | 196800   | 49.66   | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.45  | 41   | 89792    | 53.98   | ug/l   | 96       |
| 49) 1,4-Dioxane                | 9.49  | 88   | 24107    | 1032.61 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone       | 10.22 | 43   | 472182   | 261.79  | ug/l   | 99       |
| 52) Toluene                    | 10.39 | 92   | 373233   | 49.07   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.61 | 75   | 204660   | 50.55   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 10.08 | 75   | 231722   | 50.29   | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 108803   | 49.94   | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 141330   | 53.42   | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.94 | 76   | 189093   | 50.32   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.93  | 63   | 312816   | 263.75  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.98 | 43   | 336778   | 267.28  | ug/l   | 99       |
| 60) Dibromochloromethane       | 11.13 | 129  | 131827   | 50.88   | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.24 | 107  | 103754   | 50.34   | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.87 | 164  | 131348   | 47.80   | ug/l   | 98       |
| 65) Chlorobenzene              | 11.66 | 112  | 411727   | 48.13   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.74 | 131  | 146149   | 48.61   | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.74 | 91   | 744099   | 49.07   | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.85 | 106  | 568783   | 98.67   | ug/l   | 98       |
| 69) o-Xylene                   | 12.17 | 106  | 267306   | 50.03   | ug/l   | 100      |
| 70) Styrene                    | 12.19 | 104  | 454392   | 51.10   | ug/l   | 99       |
| 71) Bromoform                  | 12.35 | 173  | 78886    | 50.63   | ug/l   | 100      |
| 73) Isopropylbenzene           | 12.48 | 105  | 747901   | 49.31   | ug/l   | 100      |
| 74) N-amyl acetate             | 12.28 | 43   | 180262   | 52.22   | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane  | 12.72 | 83   | 130594   | 50.90   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 177142   | 95.03   | ug/l # | 100      |
| 77) Bromobenzene               | 12.76 | 156  | 173643   | 49.16   | ug/l   | 98       |
| 78) n-propylbenzene            | 12.81 | 91   | 914957   | 49.27   | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.90 | 91   | 514678   | 49.04   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.95 | 105  | 635840   | 49.95   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.52 | 75   | 41232    | 50.90   | ug/l   | 100      |
| 82) 4-Chlorotoluene            | 13.00 | 91   | 545043   | 48.96   | ug/l   | 99       |
| 83) tert-Butylbenzene          | 13.21 | 119  | 538994   | 49.68   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.26 | 105  | 652825   | 49.85   | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.40 | 105  | 793904   | 49.23   | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.51 | 119  | 701011   | 49.29   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.51 | 146  | 351390   | 48.43   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 348849   | 48.36   | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.83 | 91   | 683654   | 49.31   | ug/l   | 100      |
| 90) Hexachloroethane           | 14.10 | 117  | 127386   | 49.51   | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 13.88 | 146  | 312821   | 49.22   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.49 | 75   | 22399    | 51.87   | ug/l   | 99       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW061318\  
Quantitation Report (Not Reviewed)

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Sample : VSTDICV050  
Misc : 5.00G/5ML/MSVOA\_W/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
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Quant Title : SW846 8260  
QLast Update : Thu Jun 14 08:20:43 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.15 | 180  | 218968   | 49.07 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.25 | 225  | 128244   | 47.78 | ug/l  | 99       |
| 95) Naphthalene            | 15.38 | 128  | 397183   | 52.48 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.57 | 180  | 191561   | 48.77 | ug/l  | 100      |

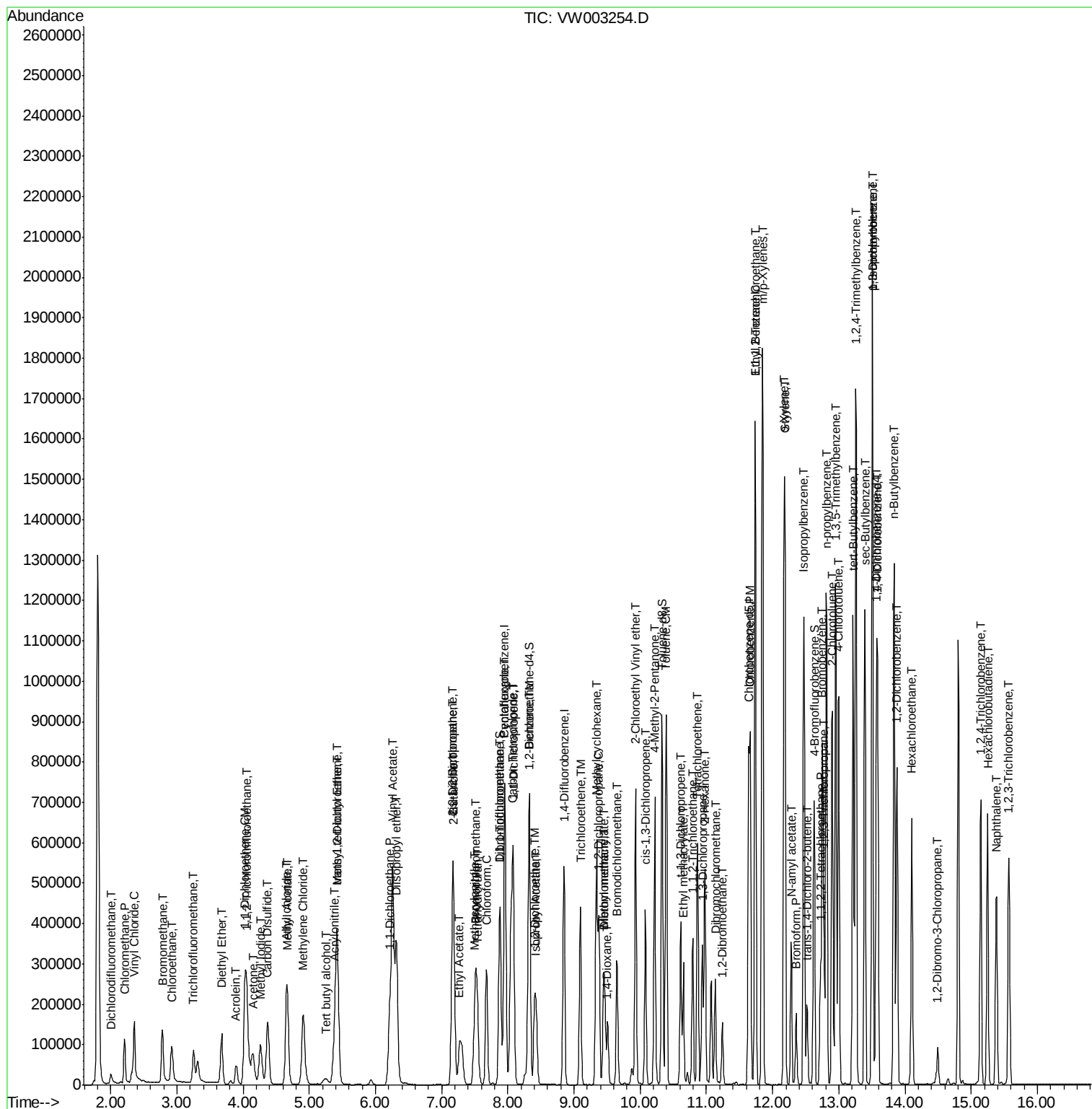
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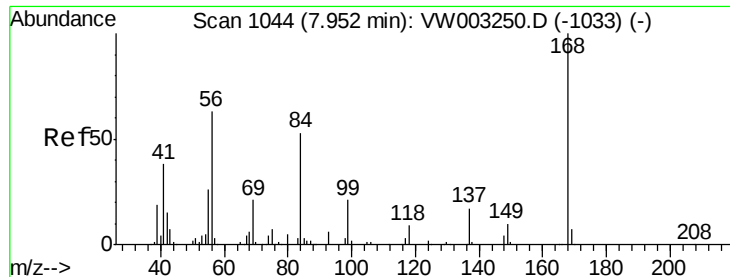
Data File : VW003254.D

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Acq On       : 13 Jun 2018   19:33
Operator     : VA/AP
Sample       : VSTDICV050
Misc         : 5.00G/5ML/MSV0A_W/SOIL
ALS Vial     : 12      Sample Multiplier: 1
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**Instrument :**  
MSVOA\_W  
**ClientSampleId :**  
ICVVW061318

Quant Time: Jun 14 08:24:55 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W061318S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jun 14 08:20:43 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Instrument :

MSVOA\_W

ClientSampleId :

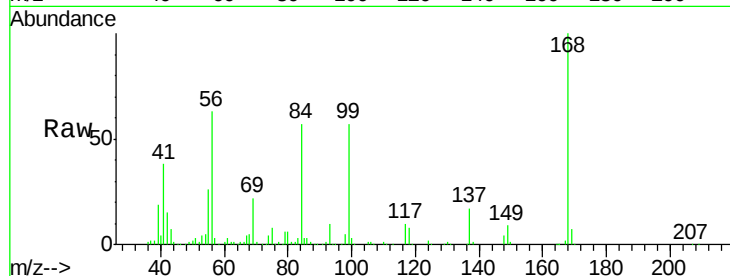
ICVW061318

Tgt Ion:168 Resp: 280934

Ion Ratio Lower Upper

168 100

99 56.9 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

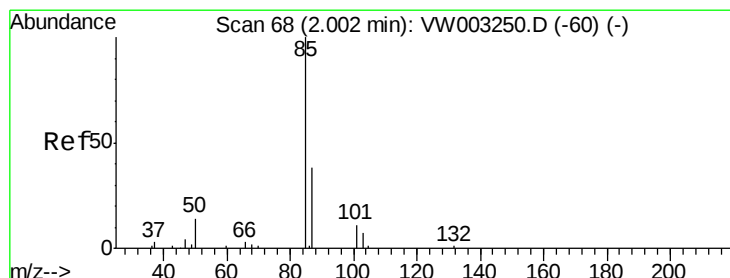
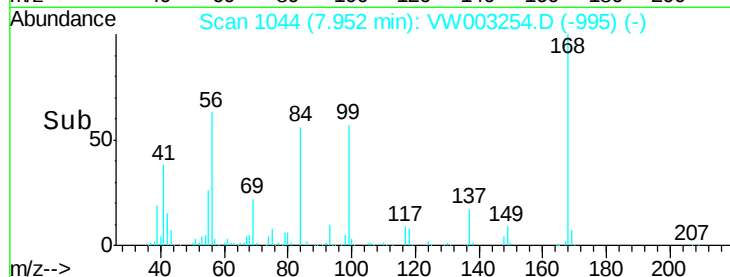
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 49.01 ug/l

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW003254.D

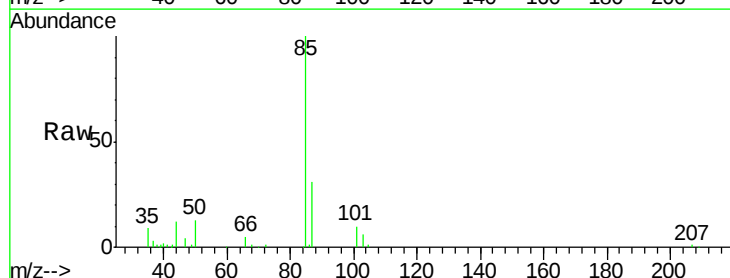
Acq: 13 Jun 2018 19:33

Tgt Ion: 85 Resp: 41628

Ion Ratio Lower Upper

85 100

87 31.2 18.9 56.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

15000

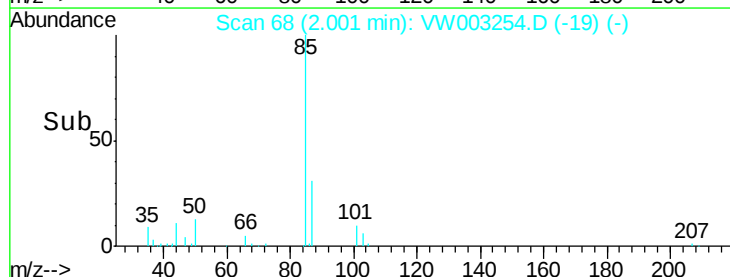
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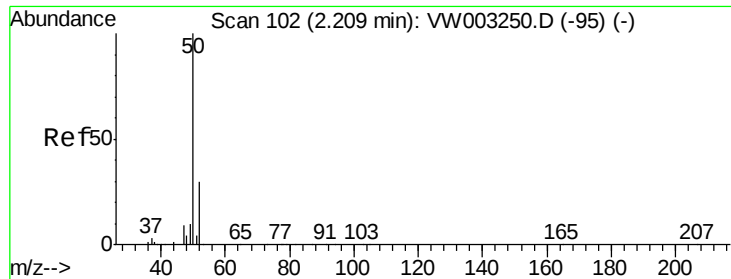
5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 51.31 ug/l

RT: 2.21 min Scan# 102

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Instrument :

MSVOA\_W

ClientSampleId :

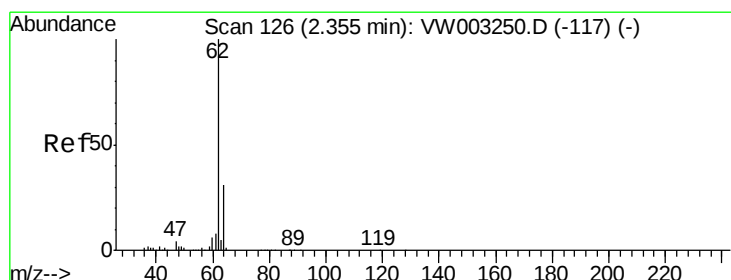
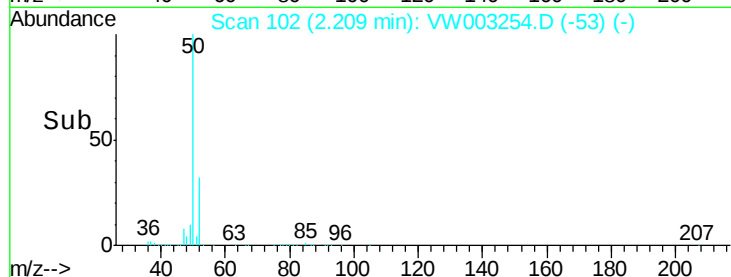
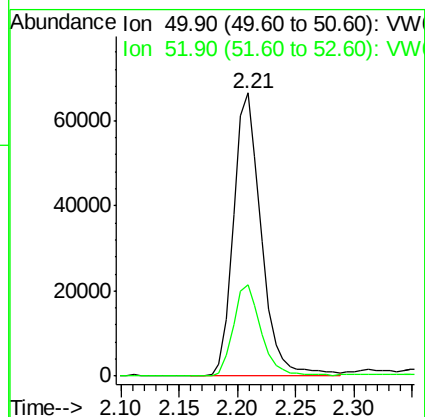
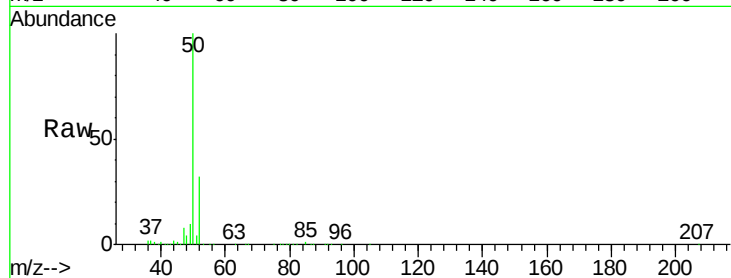
ICVW061318

Tgt Ion: 50 Resp: 110108

Ion Ratio Lower Upper

50 100

52 32.5 24.2 36.2



#4

Vinyl Chloride

Concen: 47.46 ug/l

RT: 2.35 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW003254.D

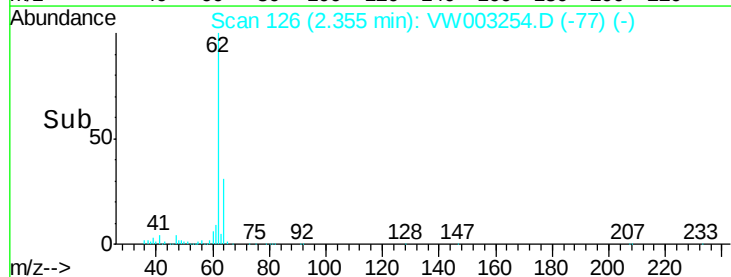
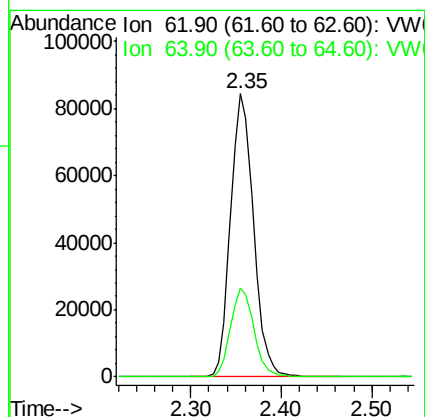
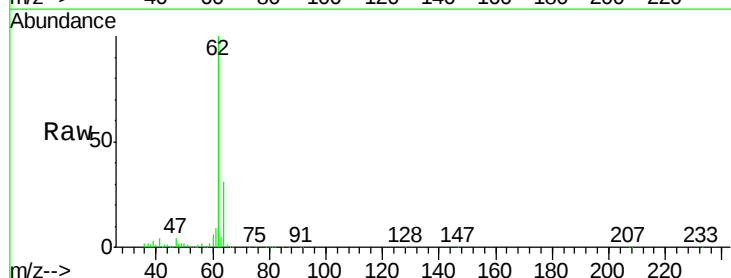
Acq: 13 Jun 2018 19:33

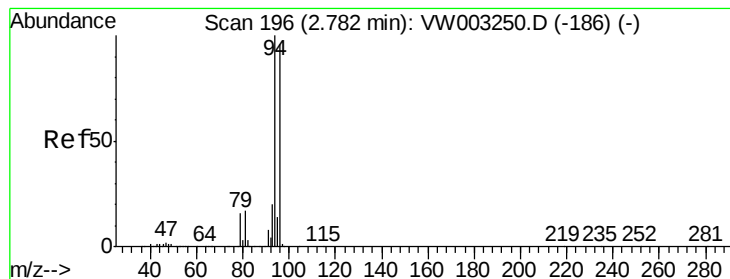
Tgt Ion: 62 Resp: 148484

Ion Ratio Lower Upper

62 100

64 31.2 24.9 37.3





#5

Bromomethane

Concen: 47.45 ug/l

RT: 2.78 min Scan# 196

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Instrument :

MSVOA\_W

ClientSampleId :

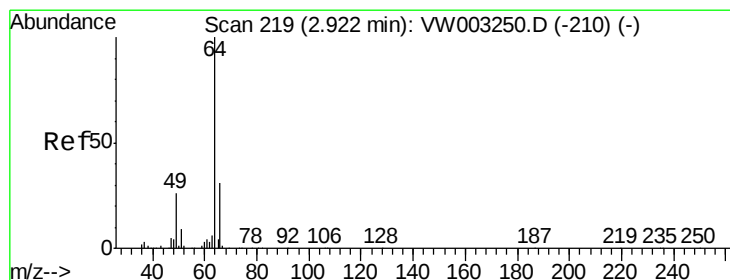
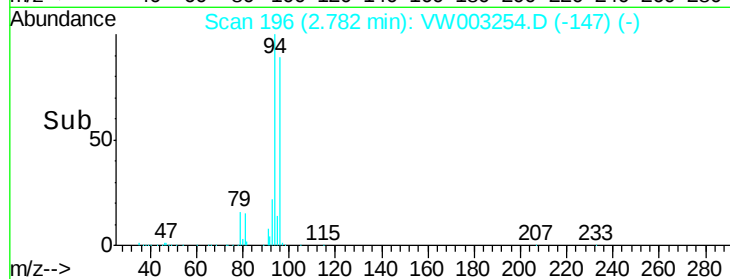
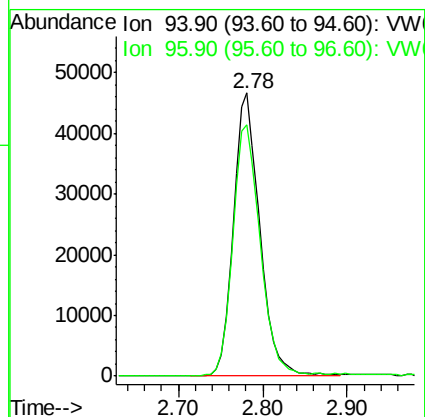
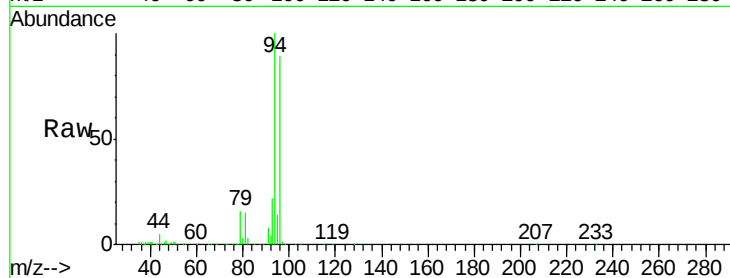
ICVW061318

Tgt Ion: 94 Resp: 98662

Ion Ratio Lower Upper

94 100

96 89.0 76.5 114.7



#6

Chloroethane

Concen: 45.63 ug/l

RT: 2.92 min Scan# 219

Delta R.T. -0.00 min

Lab File: VW003254.D

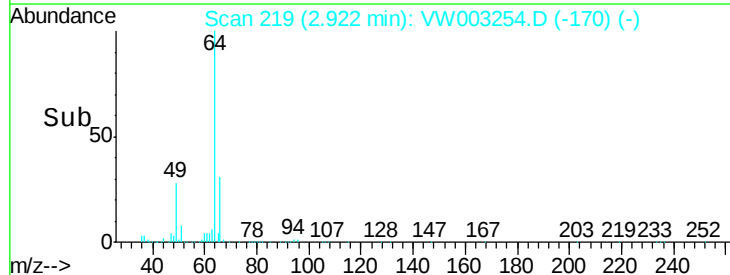
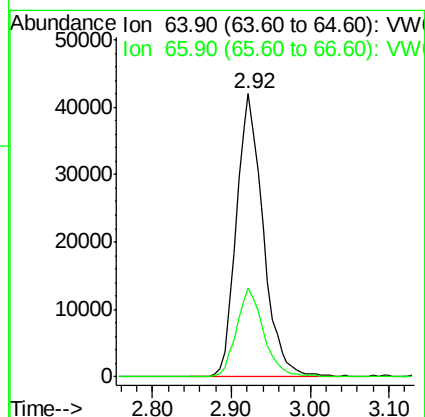
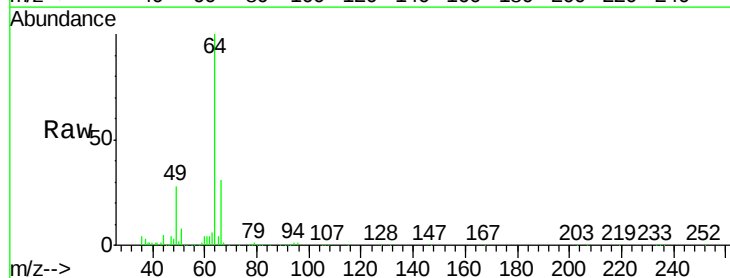
Acq: 13 Jun 2018 19:33

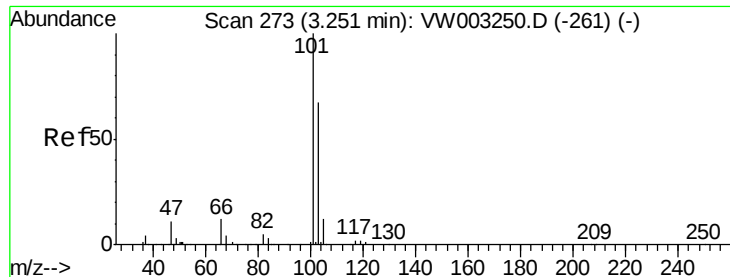
Tgt Ion: 64 Resp: 99370

Ion Ratio Lower Upper

64 100

66 30.9 24.4 36.6



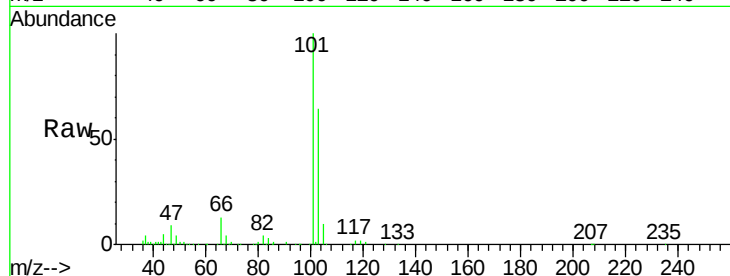


#7

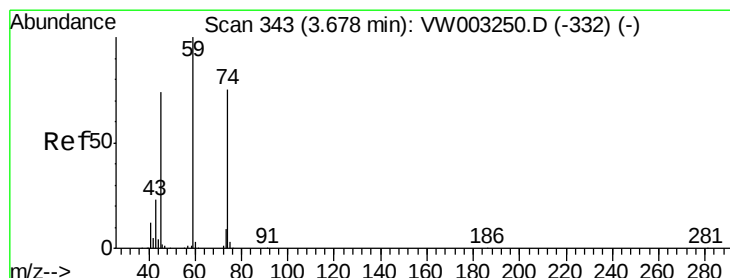
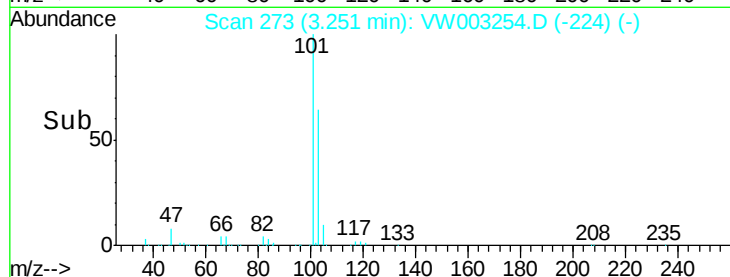
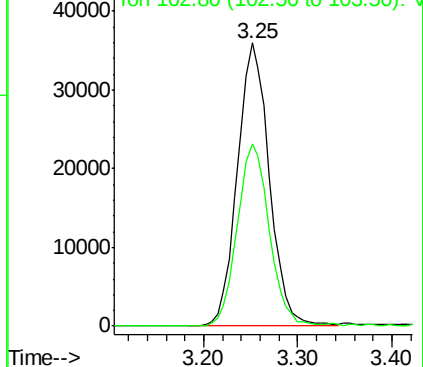
Trichlorofluoromethane  
Concen: 45.49 ug/l  
RT: 3.25 min Scan# 273  
Delta R.T. -0.00 min  
Lab File: VW003254.D  
Acq: 13 Jun 2018 19:33

Instrument :  
MSVOA\_W  
ClientSampleId :  
ICVW061318

Tgt Ion:101 Resp: 85254  
Ion Ratio Lower Upper  
101 100  
103 64.3 53.4 80.0



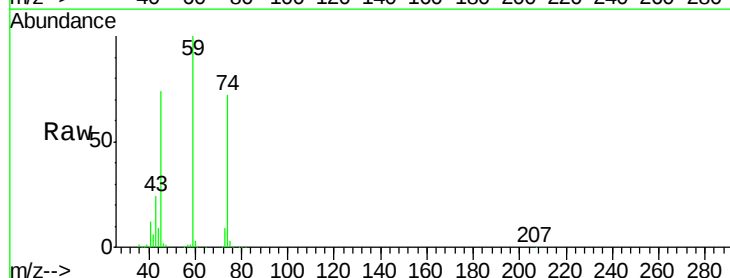
Abundance Ion 100.90 (100.60 to 101.60): V  
Ion 102.80 (102.50 to 103.50): V



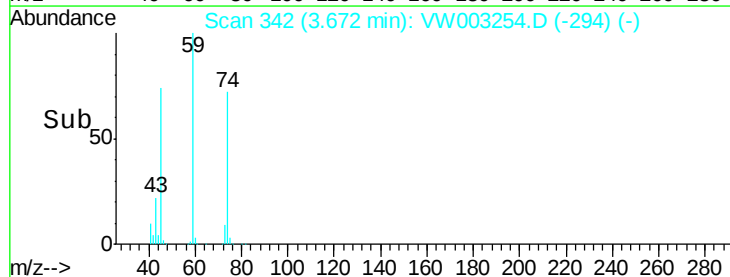
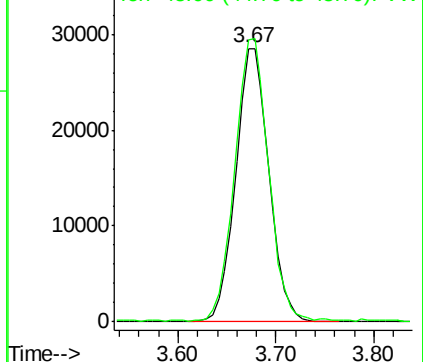
#8

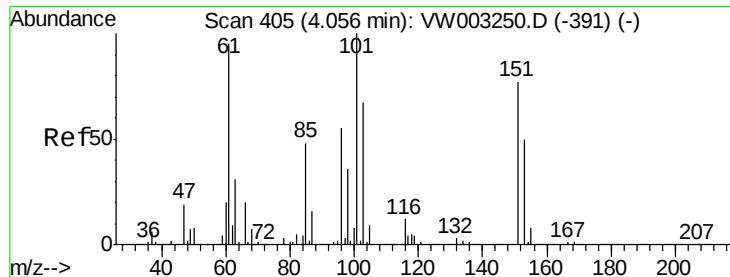
Diethyl Ether  
Concen: 48.89 ug/l  
RT: 3.67 min Scan# 342  
Delta R.T. -0.01 min  
Lab File: VW003254.D  
Acq: 13 Jun 2018 19:33

Tgt Ion: 74 Resp: 67310  
Ion Ratio Lower Upper  
74 100  
45 104.9 51.4 154.2



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: 46.57 ug/l

RT: 4.06 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Instrument :

MSVOA\_W

ClientSampleId :

ICVW061318

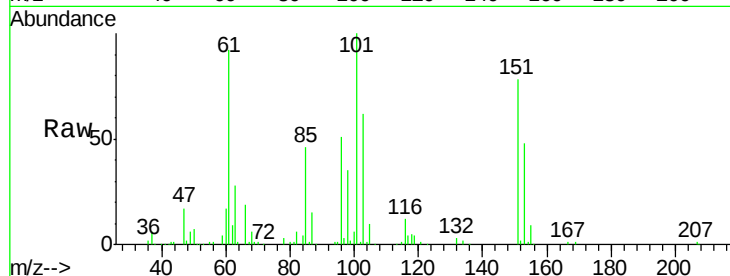
Tgt Ion:101 Resp: 121196

Ion Ratio Lower Upper

101 100

85 46.9 37.0 55.6

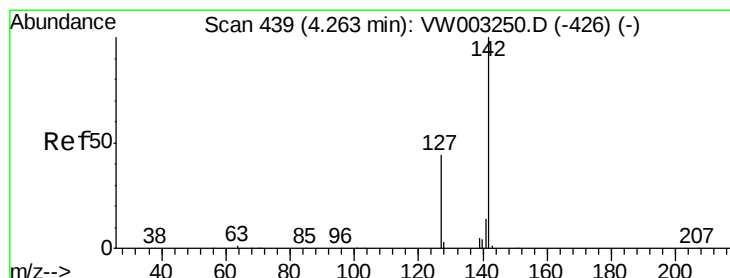
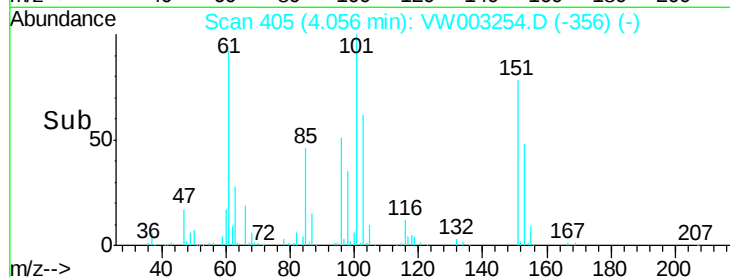
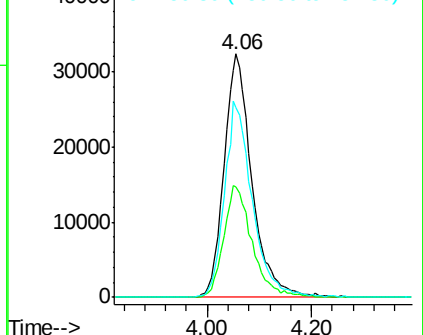
151 80.5 63.3 94.9



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: 48.45 ug/l

RT: 4.26 min Scan# 439

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

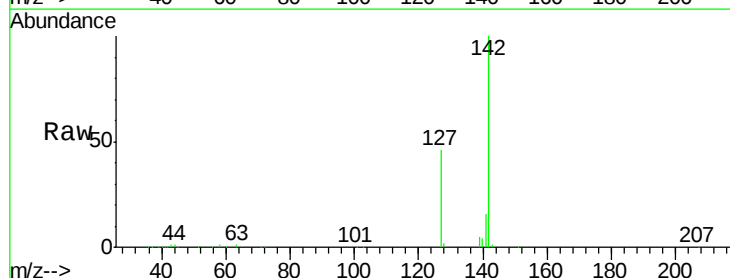
Tgt Ion:142 Resp: 190683

Ion Ratio Lower Upper

142 100

127 45.0 36.5 54.7

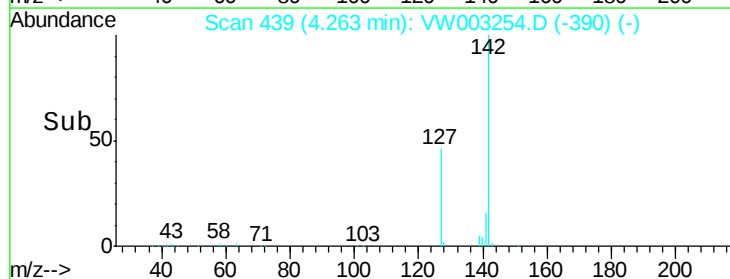
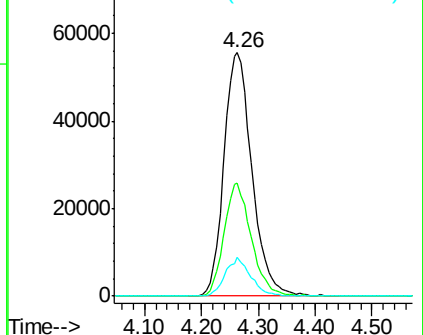
141 14.7 12.1 18.1

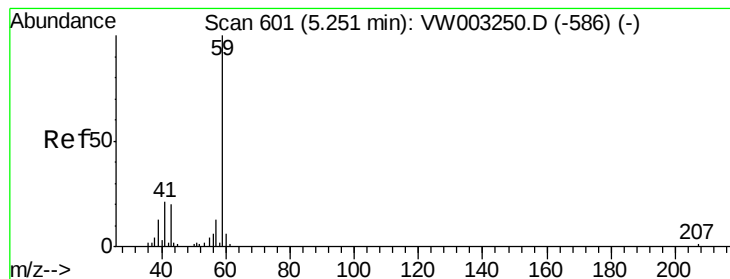


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 273.48 ug/l

RT: 5.26 min Scan# 602

Delta R.T. 0.01 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Instrument :

MSVOA\_W

ClientSampleId :

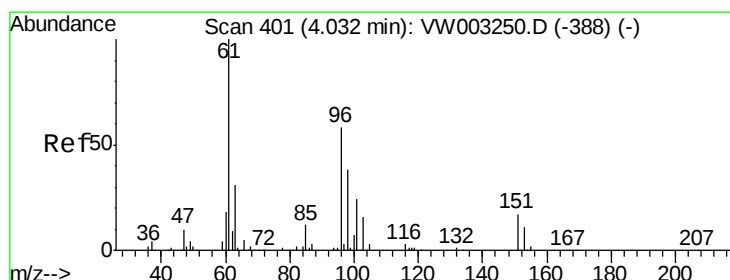
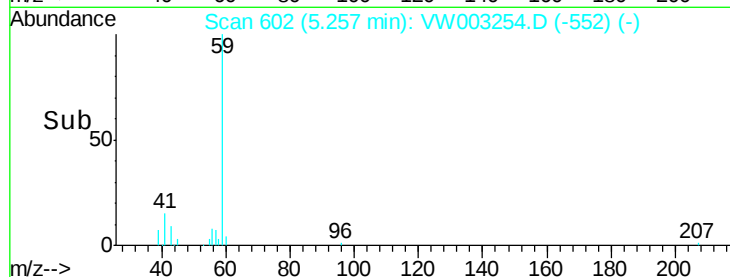
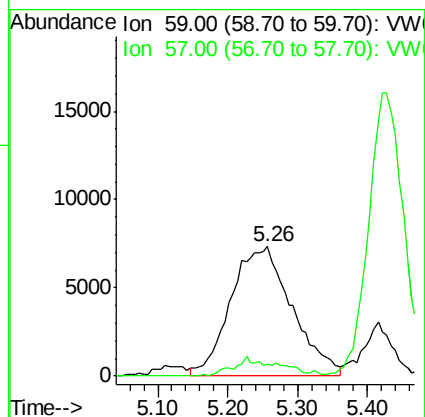
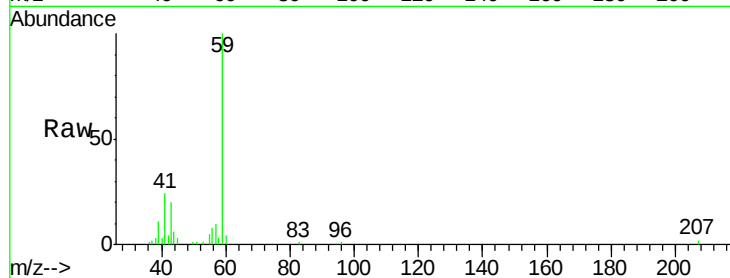
ICVW061318

Tgt Ion: 59 Resp: 44631

Ion Ratio Lower Upper

59 100

57 0.0 4.2 6.2#



#12

1,1-Dichloroethene

Concen: 46.83 ug/l

RT: 4.03 min Scan# 400

Delta R.T. -0.01 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

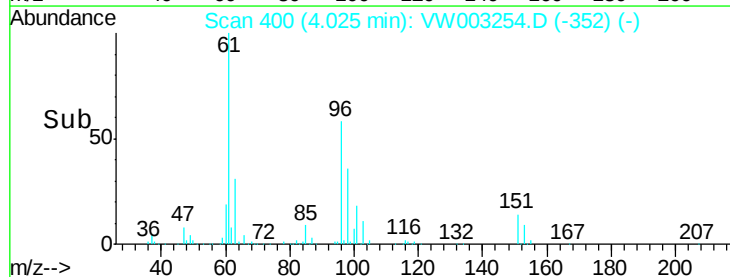
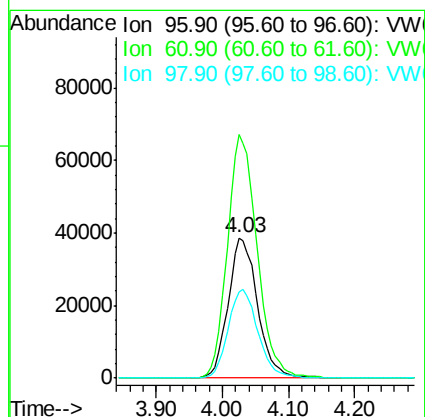
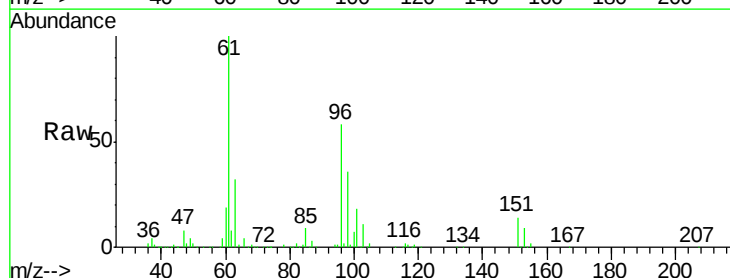
Tgt Ion: 96 Resp: 119096

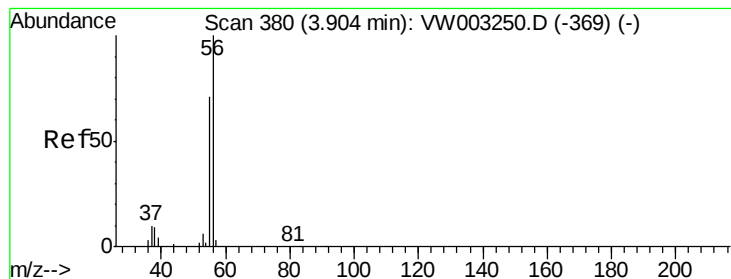
Ion Ratio Lower Upper

96 100

61 173.4 139.0 208.4

98 61.6 53.3 79.9





#13

Acrolein

Concen: 251.00 ug/l

RT: 3.90 min Scan# 379

Delta R.T. -0.01 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Instrument :

MSVOA\_W

ClientSampleId :

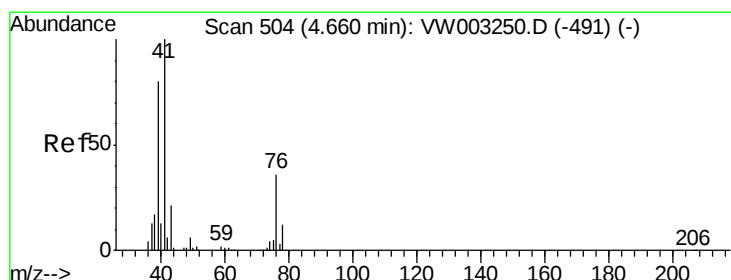
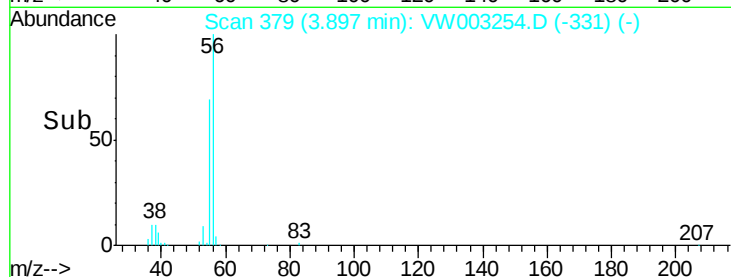
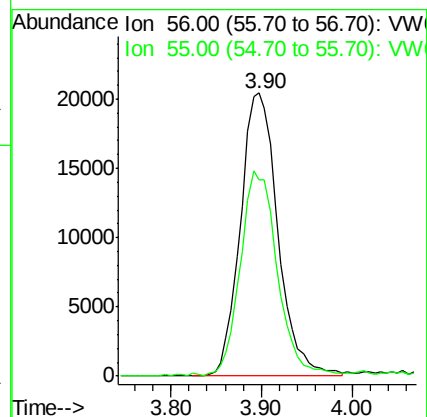
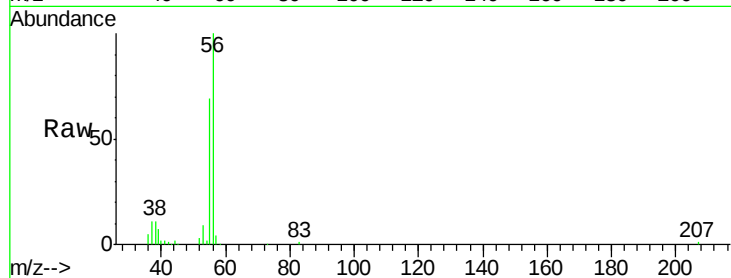
ICVW061318

Tgt Ion: 56 Resp: 58566

Ion Ratio Lower Upper

56 100

55 70.6 55.4 83.2



#14

Allyl chloride

Concen: 49.75 ug/l

RT: 4.66 min Scan# 504

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

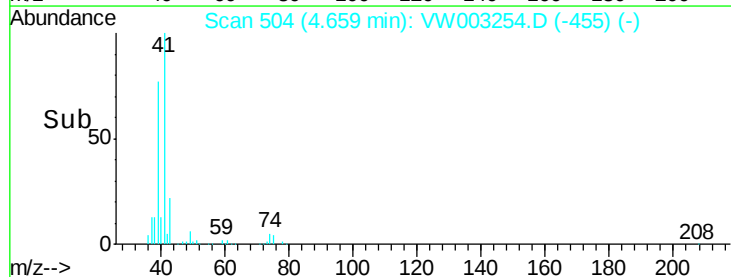
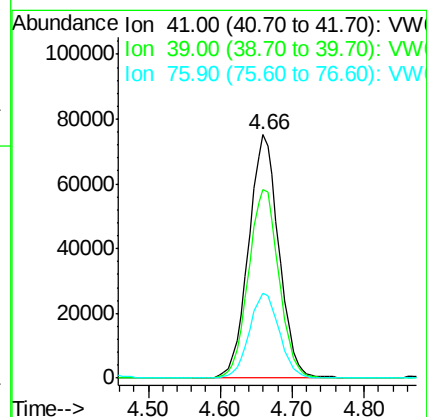
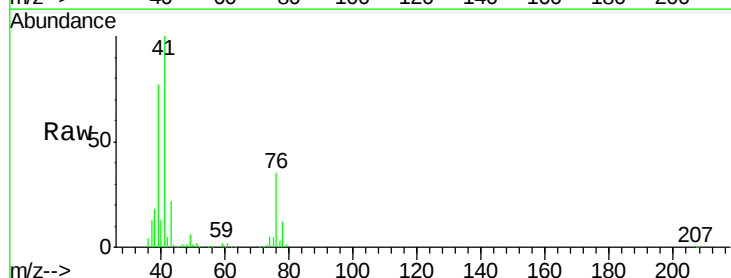
Tgt Ion: 41 Resp: 219165

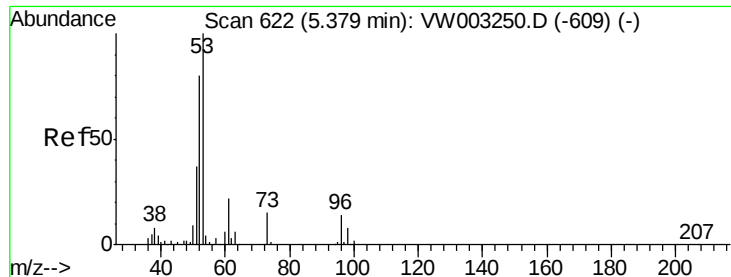
Ion Ratio Lower Upper

41 100

39 77.7 63.2 94.8

76 34.3 28.0 42.0





#15

Acrylonitrile

Concen: 257.64 ug/l

RT: 5.38 min Scan# 622

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Instrument :

MSVOA\_W

ClientSampleId :

ICVW061318

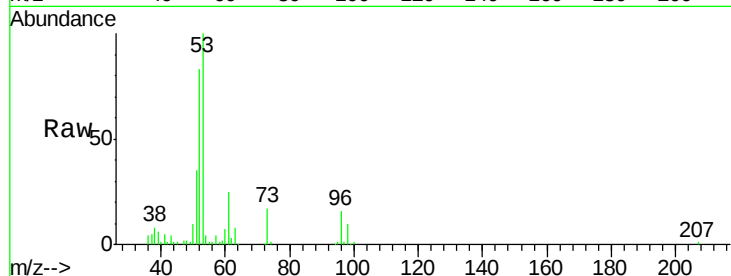
Tgt Ion: 53 Resp: 145934

Ion Ratio Lower Upper

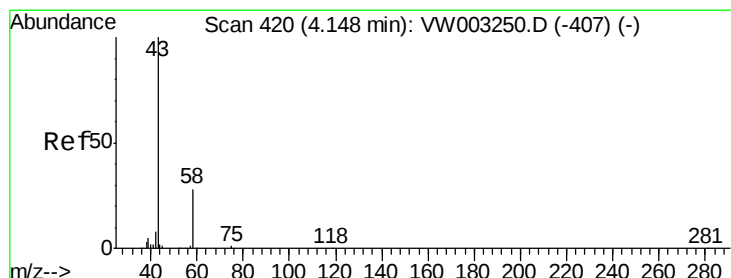
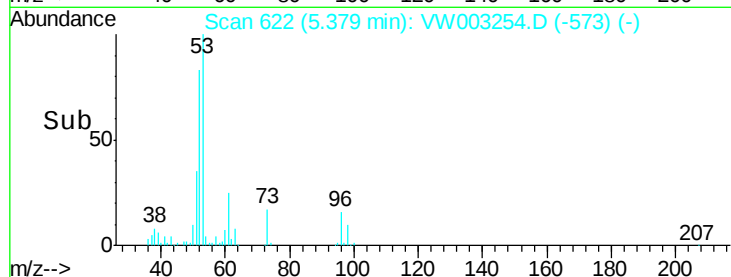
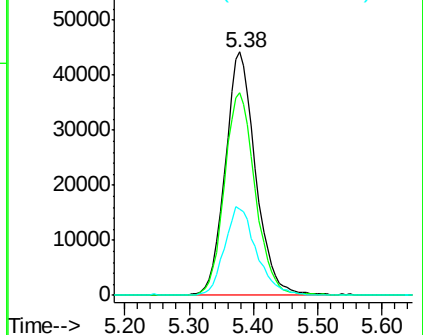
53 100

52 84.7 66.6 100.0

51 37.7 30.6 46.0



Abundance Ion 53.00 (52.70 to 53.70): VW  
Ion 52.00 (51.70 to 52.70): VW  
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 244.57 ug/l

RT: 4.15 min Scan# 420

Delta R.T. -0.00 min

Lab File: VW003254.D

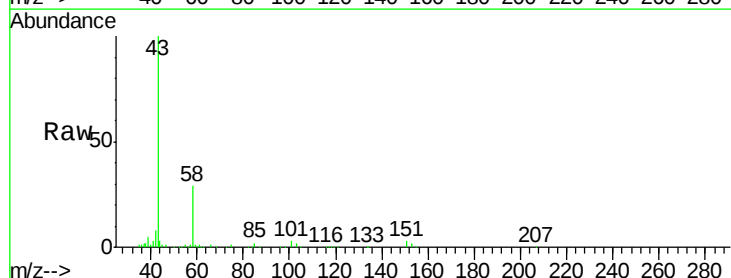
Acq: 13 Jun 2018 19:33

Tgt Ion: 43 Resp: 156087

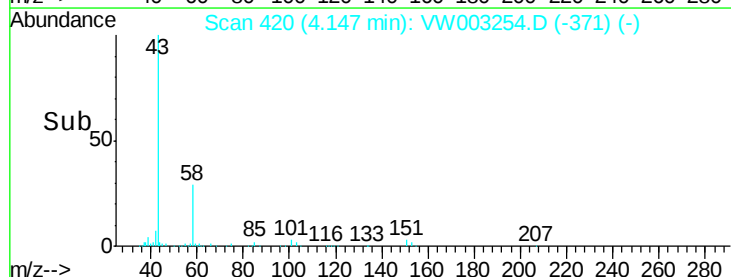
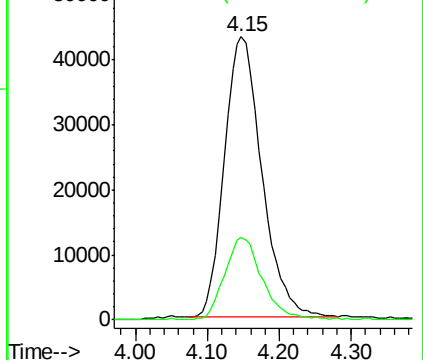
Ion Ratio Lower Upper

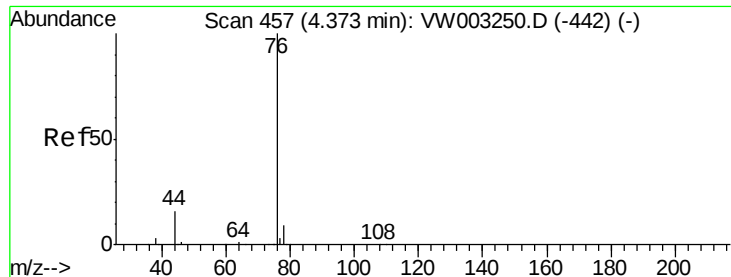
43 100

58 29.4 22.6 34.0



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





#17

Carbon Disulfide

Concen: 47.37 ug/l

RT: 4.37 min Scan# 457

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Instrument :

MSVOA\_W

ClientSampleId :

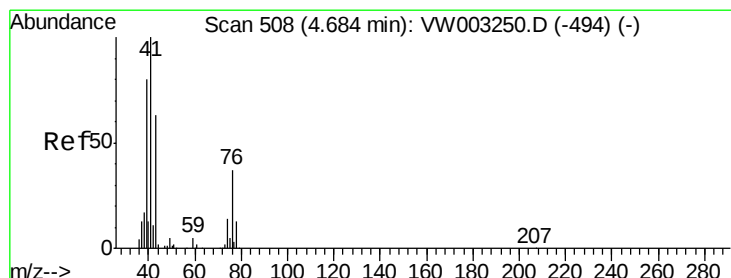
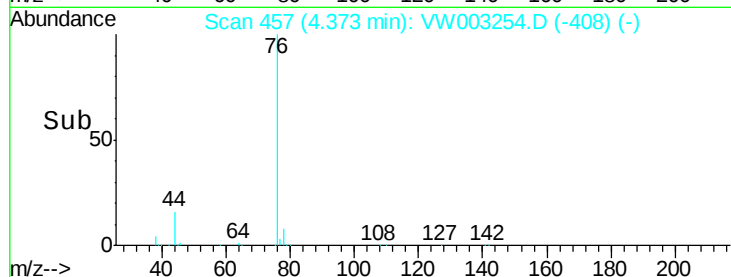
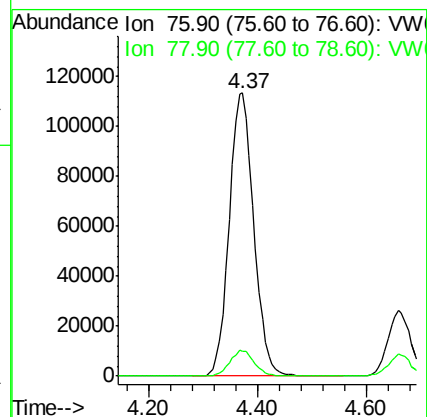
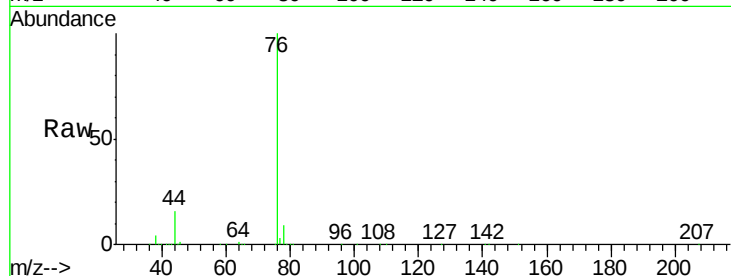
ICVW061318

Tgt Ion: 76 Resp: 356141

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7



#18

Methyl Acetate

Concen: 51.62 ug/l

RT: 4.68 min Scan# 507

Delta R.T. -0.01 min

Lab File: VW003254.D

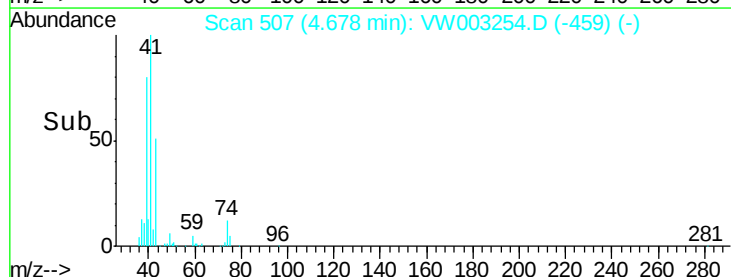
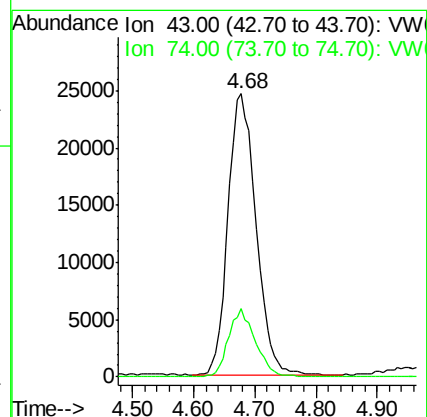
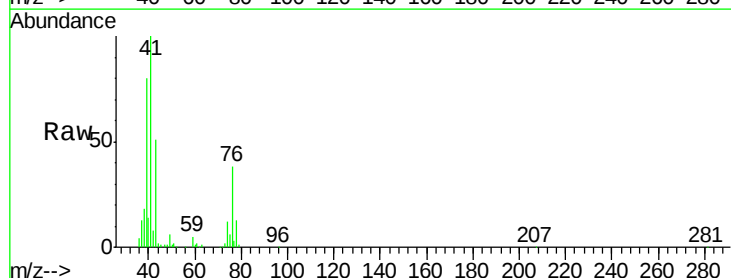
Acq: 13 Jun 2018 19:33

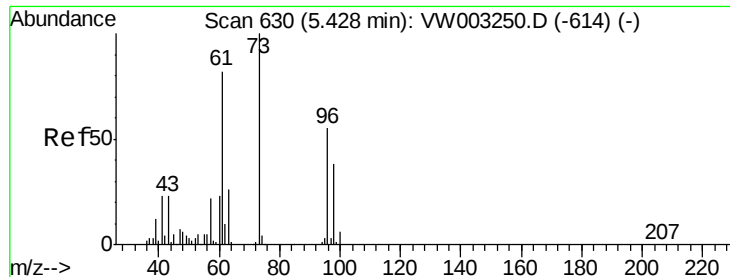
Tgt Ion: 43 Resp: 78156

Ion Ratio Lower Upper

43 100

74 23.0 18.7 28.1

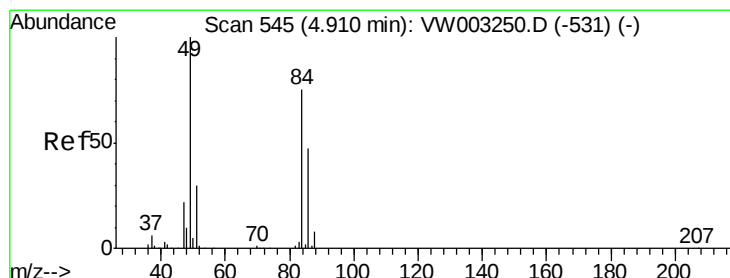
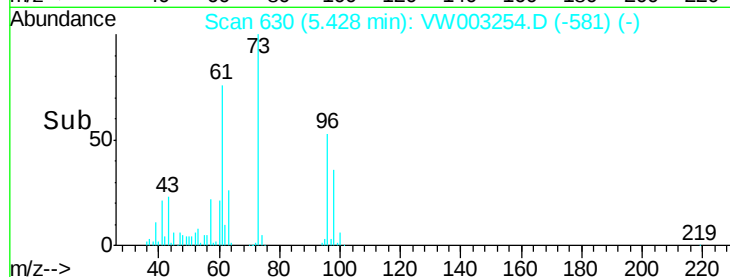
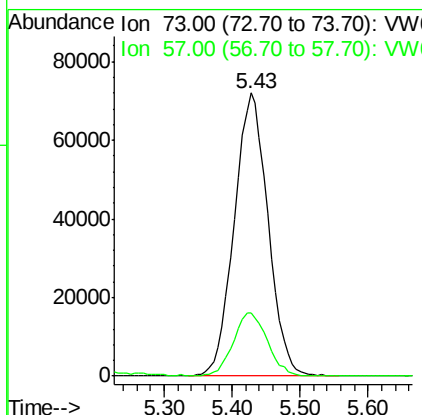
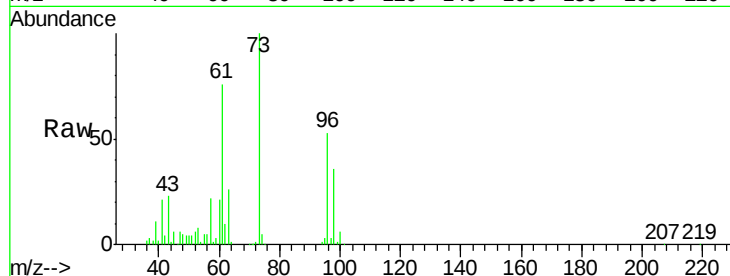




#19  
Methyl tert-butyl Ether  
Concen: 52.22 ug/l  
RT: 5.43 min Scan# 630  
Delta R.T. -0.00 min  
Lab File: VW003254.D  
Acq: 13 Jun 2018 19:33

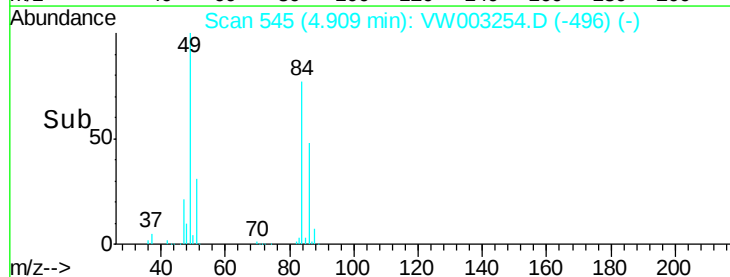
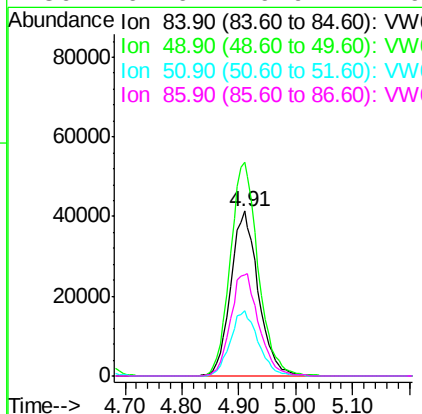
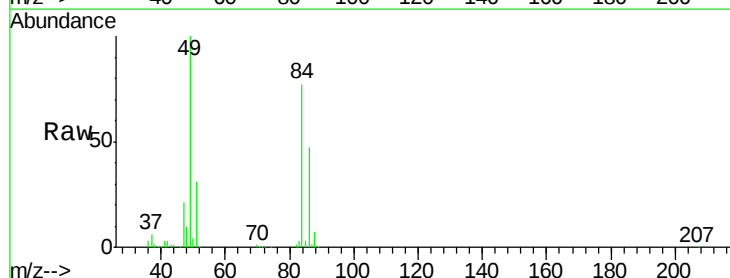
Instrument :  
MSVOA\_W  
ClientSampleId :  
ICVW061318

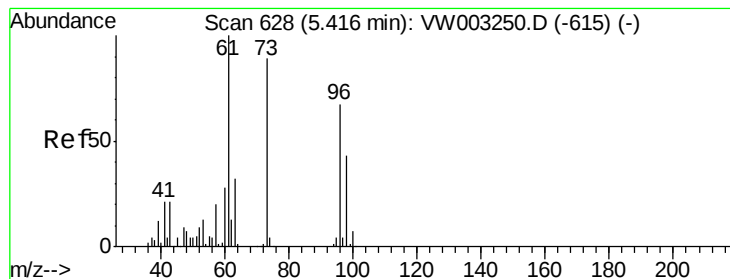
Tgt Ion: 73 Resp: 248726  
Ion Ratio Lower Upper  
73 100  
57 22.2 18.0 27.0



#20  
Methylene Chloride  
Concen: 51.82 ug/l  
RT: 4.91 min Scan# 545  
Delta R.T. 0.00 min  
Lab File: VW003254.D  
Acq: 13 Jun 2018 19:33

Tgt Ion: 84 Resp: 140130  
Ion Ratio Lower Upper  
84 100  
49 129.6 106.3 159.5  
51 39.9 32.0 48.0  
86 61.6 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 48.52 ug/l

RT: 5.42 min Scan# 628

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Instrument :

MSVOA\_W

ClientSampleId :

ICVW061318

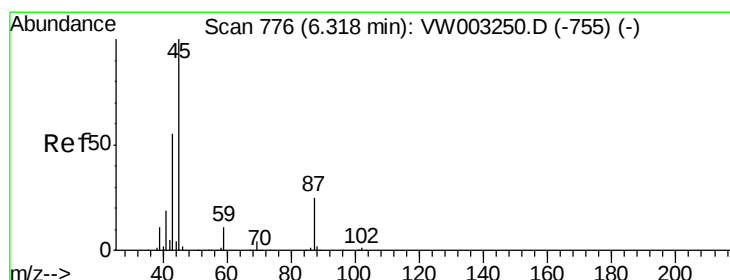
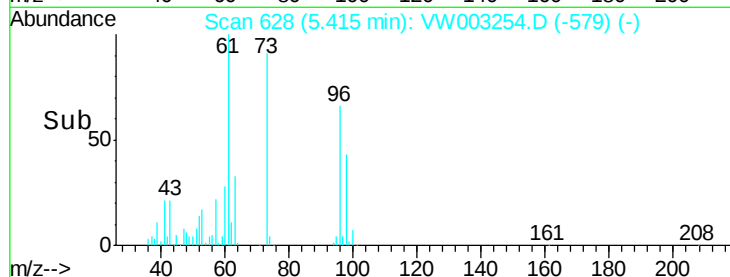
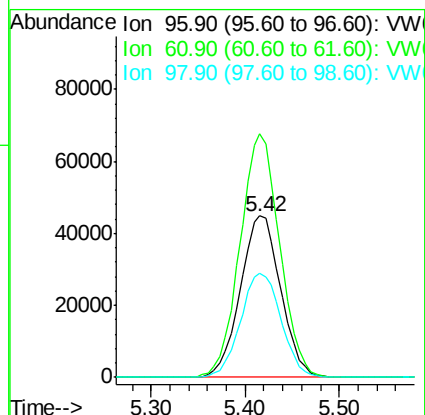
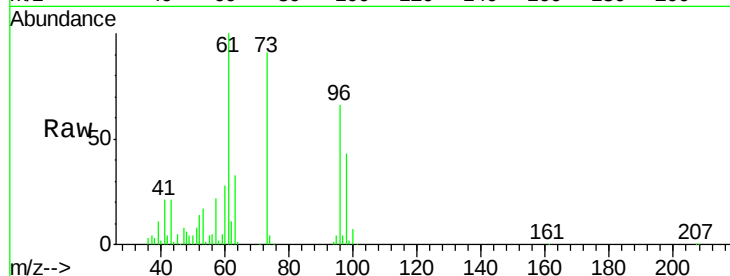
Tgt Ion: 96 Resp: 134293

Ion Ratio Lower Upper

96 100

61 150.5 118.7 178.1

98 64.2 51.0 76.6



#22

Diisopropyl ether

Concen: 51.75 ug/l

RT: 6.31 min Scan# 775

Delta R.T. -0.01 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Tgt Ion: 45 Resp: 458768

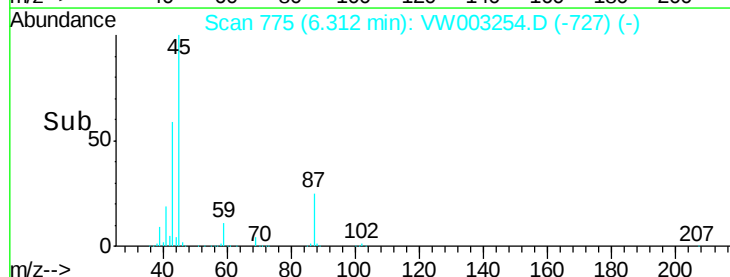
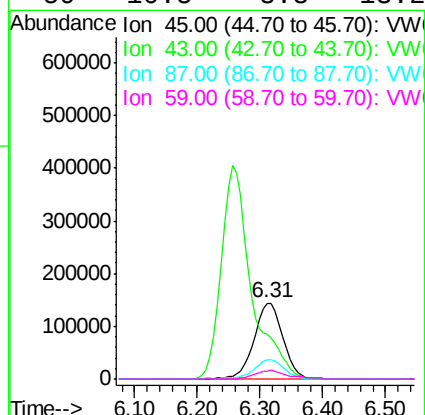
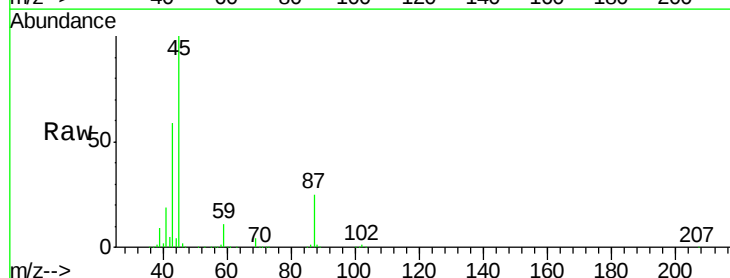
Ion Ratio Lower Upper

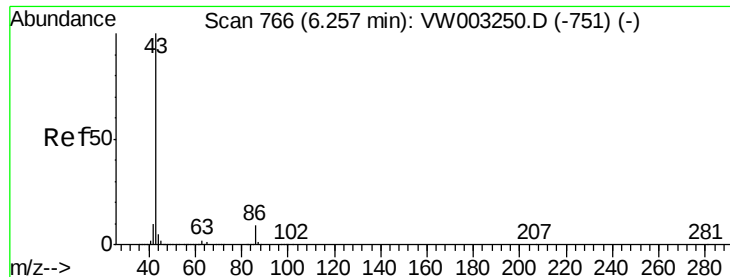
45 100

43 58.3 44.0 66.0

87 24.8 20.6 31.0

59 10.5 8.8 13.2





#23

Vinyl Acetate

Concen: 263.80 ug/l

RT: 6.26 min Scan# 766

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Instrument :

MSVOA\_W

ClientSampleId :

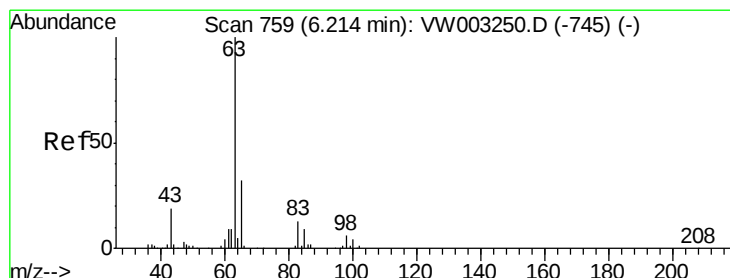
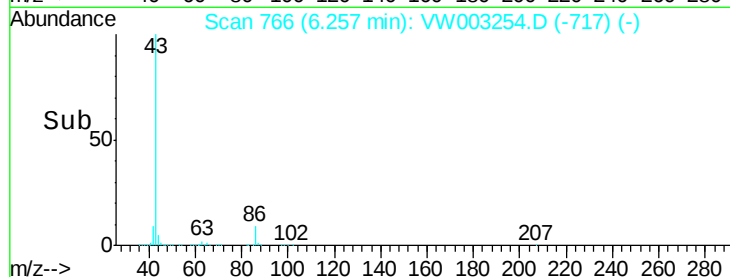
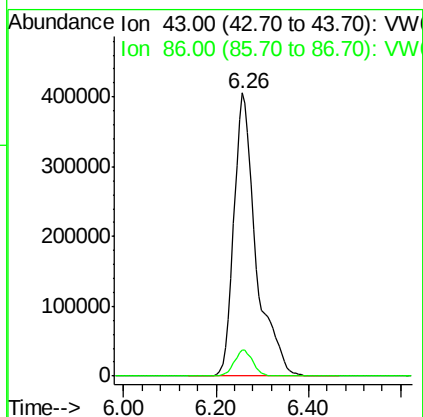
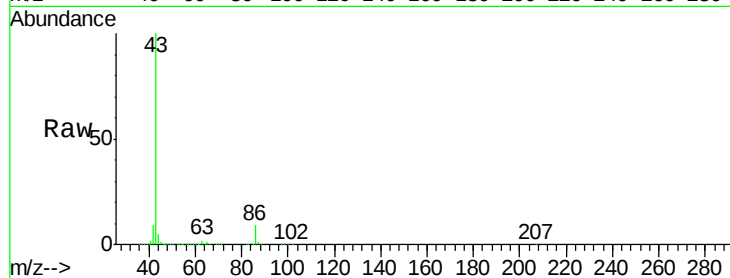
ICVW061318

Tgt Ion: 43 Resp: 1347766

Ion Ratio Lower Upper

43 100

86 9.1 7.5 11.3



#24

1,1-Dichloroethane

Concen: 49.78 ug/l

RT: 6.21 min Scan# 759

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

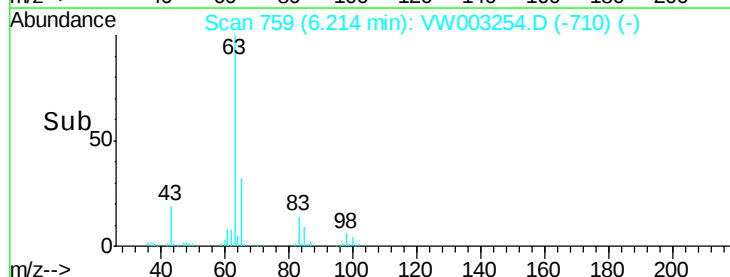
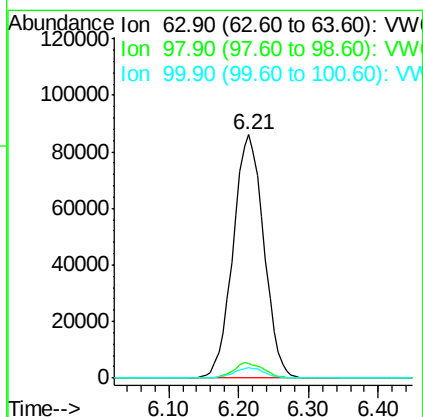
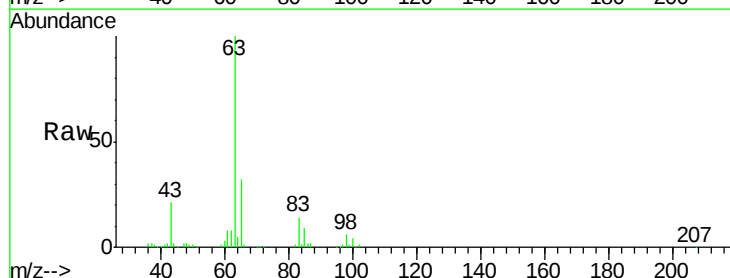
Tgt Ion: 63 Resp: 262020

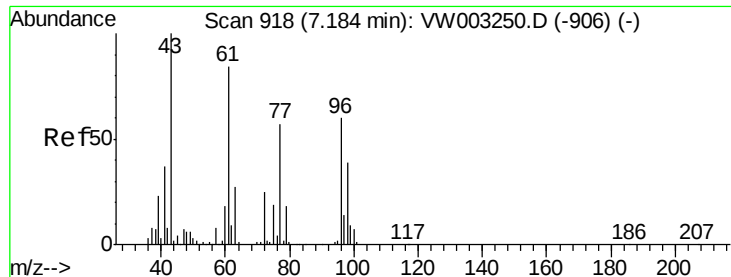
Ion Ratio Lower Upper

63 100

98 6.2 2.8 8.3

100 4.2 2.1 6.5





#25

2-Butanone

Concen: 255.20 ug/l

RT: 7.18 min Scan# 918

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Instrument :

MSVOA\_W

ClientSampleId :

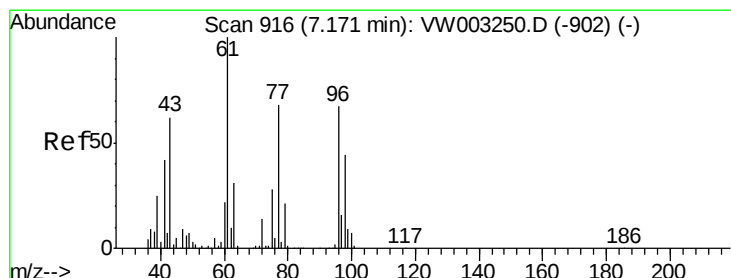
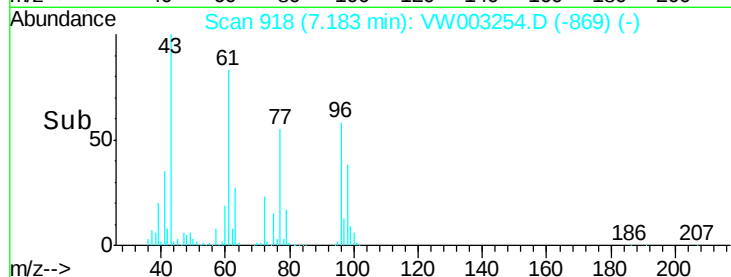
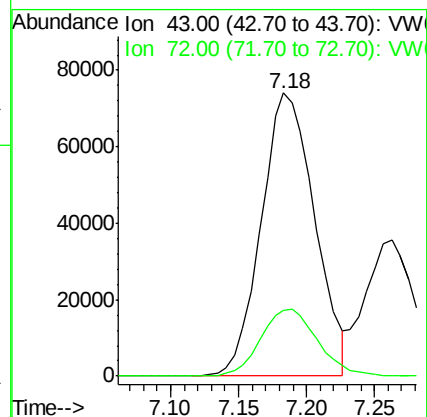
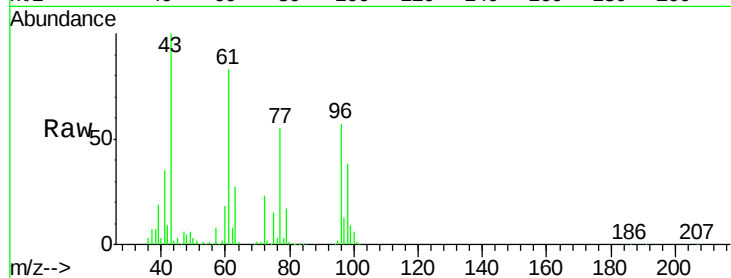
ICVW061318

Tgt Ion: 43 Resp: 202524

Ion Ratio Lower Upper

43 100

72 23.2 20.3 30.5



#26

2,2-Dichloropropane

Concen: 46.97 ug/l

RT: 7.17 min Scan# 916

Delta R.T. -0.00 min

Lab File: VW003254.D

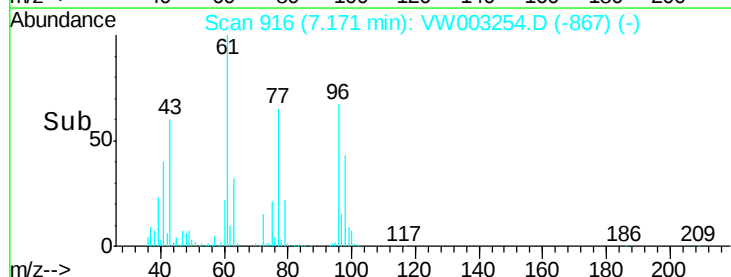
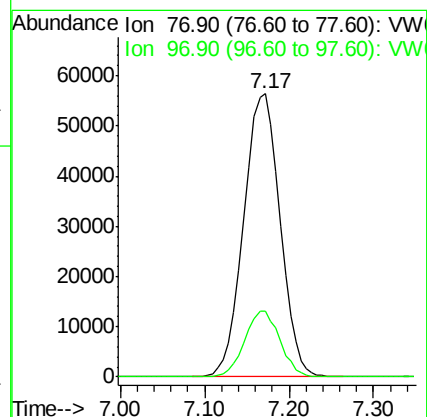
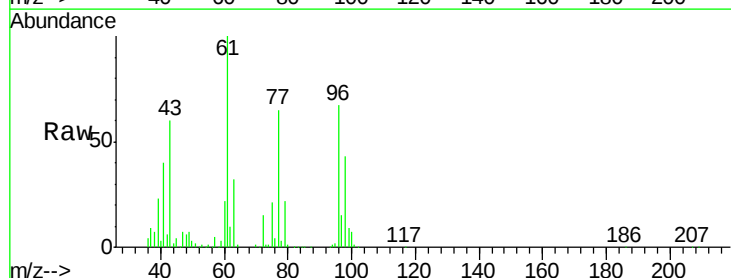
Acq: 13 Jun 2018 19:33

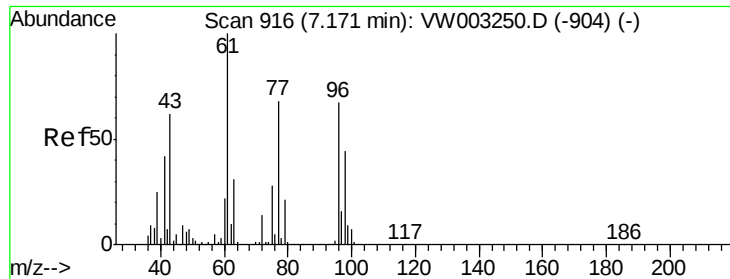
Tgt Ion: 77 Resp: 164999

Ion Ratio Lower Upper

77 100

97 22.5 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 50.24 ug/l

RT: 7.17 min Scan# 916

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Instrument :

MSVOA\_W

ClientSampleId :

ICVW061318

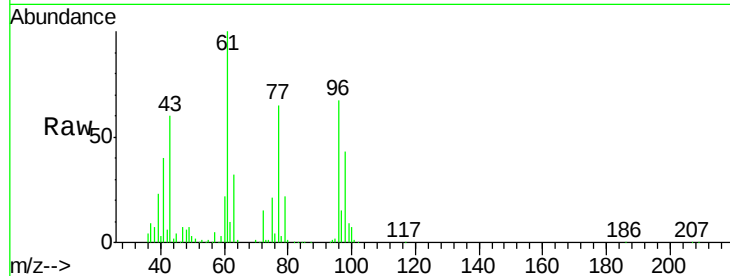
Tgt Ion: 96 Resp: 152763

Ion Ratio Lower Upper

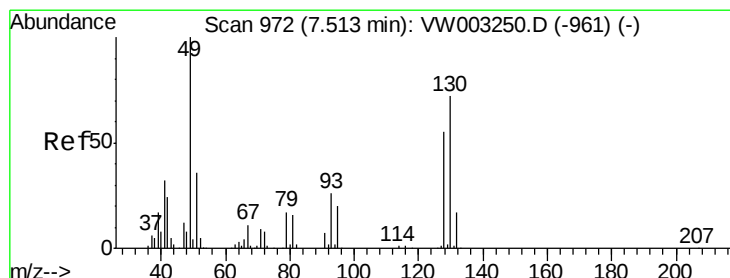
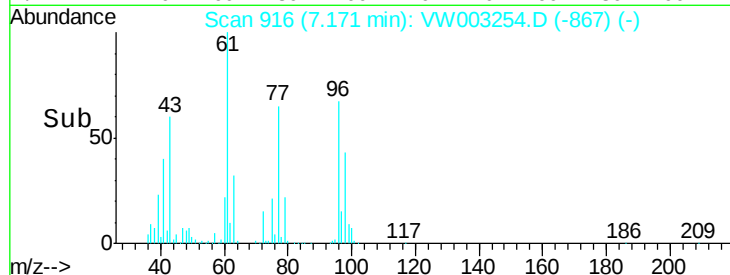
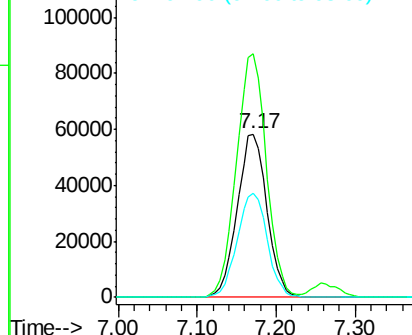
96 100

61 150.4 0.0 298.8

98 64.8 0.0 130.4



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: 56.50 ug/l

RT: 7.51 min Scan# 972

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

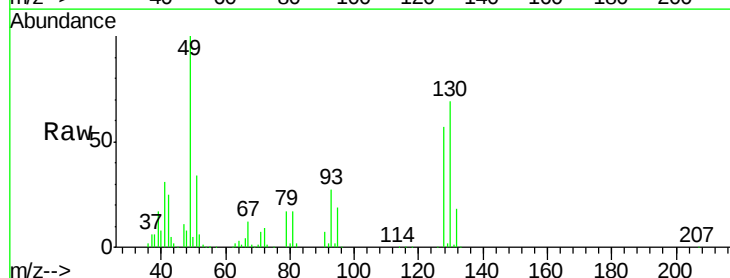
Tgt Ion: 49 Resp: 123749

Ion Ratio Lower Upper

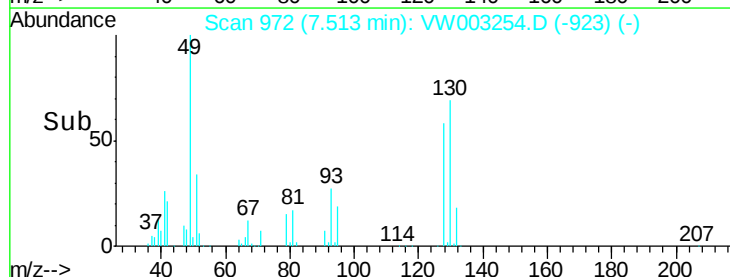
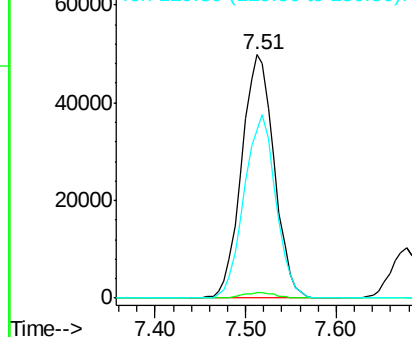
49 100

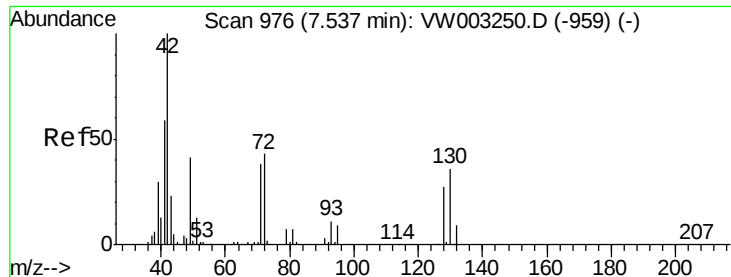
129 2.3 0.0 4.6

130 73.5 59.4 89.2



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

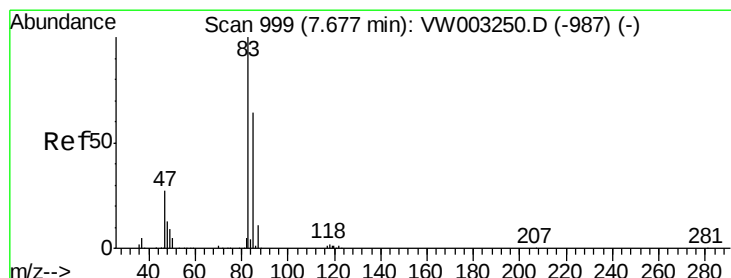
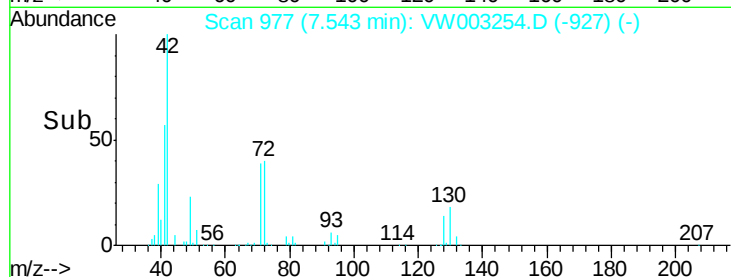
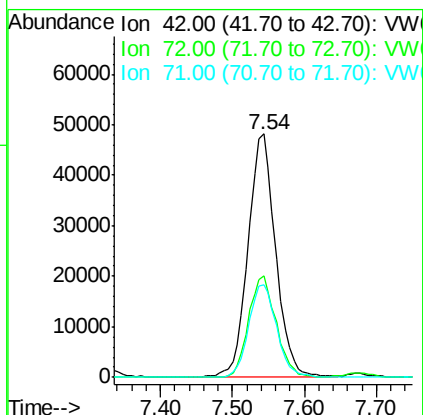
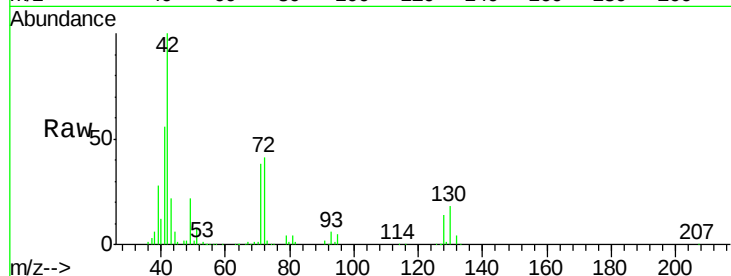




#29  
Tetrahydrofuran  
Concen: 264.15 ug/l  
RT: 7.54 min Scan# 977  
Delta R.T. 0.01 min  
Lab File: VW003254.D  
Acq: 13 Jun 2018 19:33

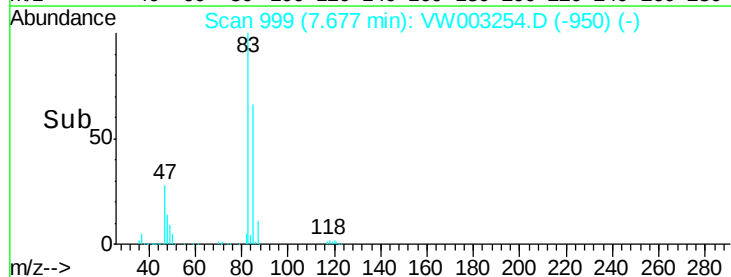
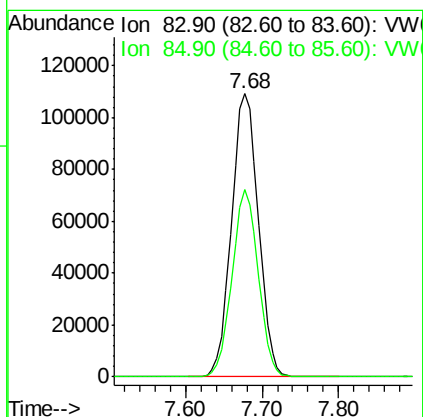
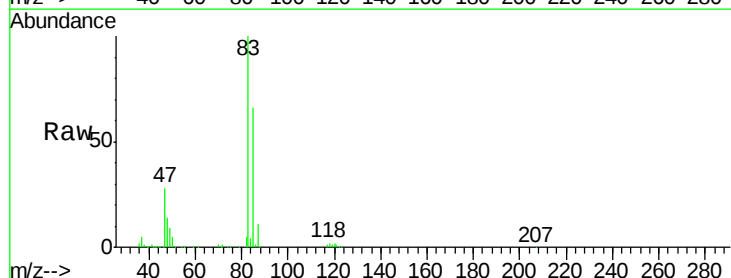
Instrument :  
MSVOA\_W  
ClientSampleId :  
ICVW061318

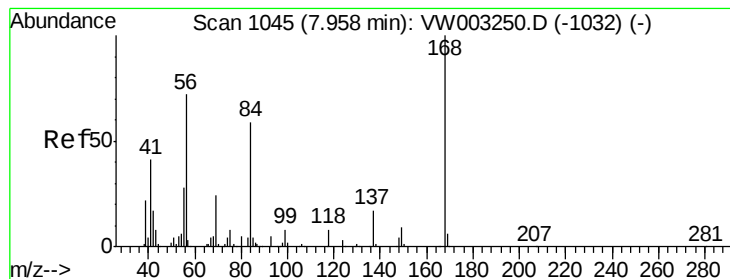
Tgt Ion: 42 Resp: 128114  
Ion Ratio Lower Upper  
42 100  
72 41.6 32.4 48.6  
71 38.6 31.2 46.8



#30  
Chloroform  
Concen: 49.53 ug/l  
RT: 7.68 min Scan# 999  
Delta R.T. -0.00 min  
Lab File: VW003254.D  
Acq: 13 Jun 2018 19:33

Tgt Ion: 83 Resp: 265566  
Ion Ratio Lower Upper  
83 100  
85 66.0 51.3 76.9





#31

Cyclohexane

Concen: 45.48 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Instrument :

MSVOA\_W

ClientSampleId :

ICVW061318

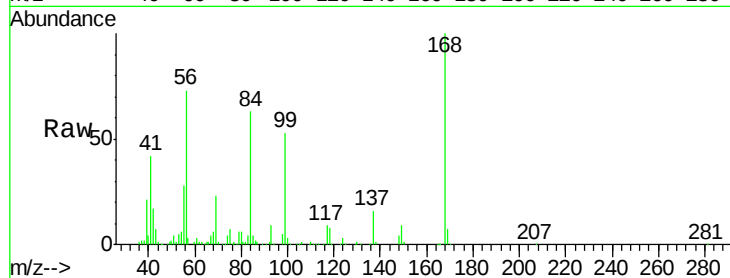
Tgt Ion: 56 Resp: 223609

Ion Ratio Lower Upper

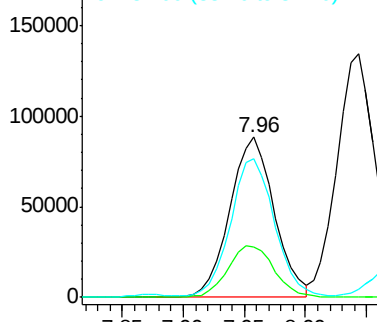
56 100

69 31.8 26.3 39.5

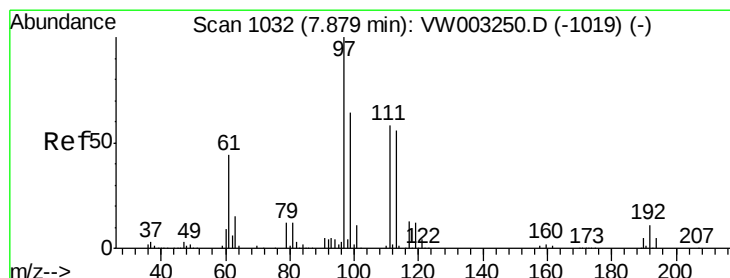
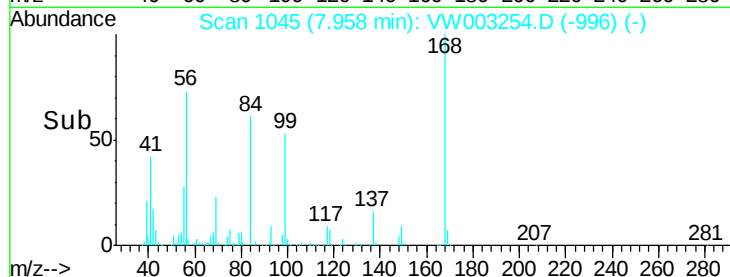
84 84.4 65.7 98.5



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



Time-->



#32

1,1,1-Trichloroethane

Concen: 48.85 ug/l

RT: 7.87 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

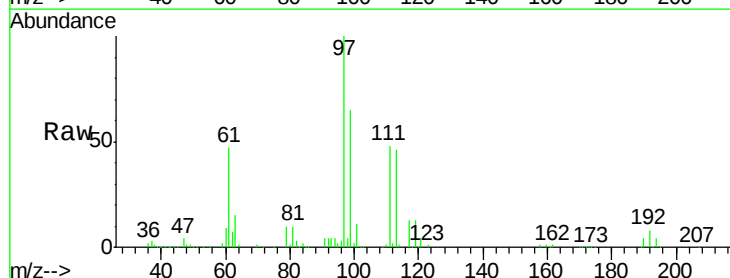
Tgt Ion: 97 Resp: 216196

Ion Ratio Lower Upper

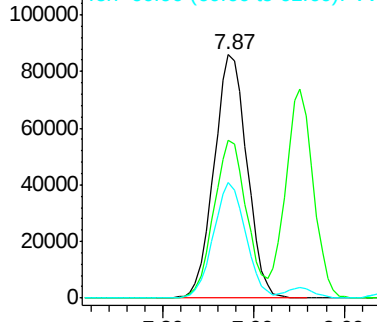
97 100

99 65.0 51.7 77.5

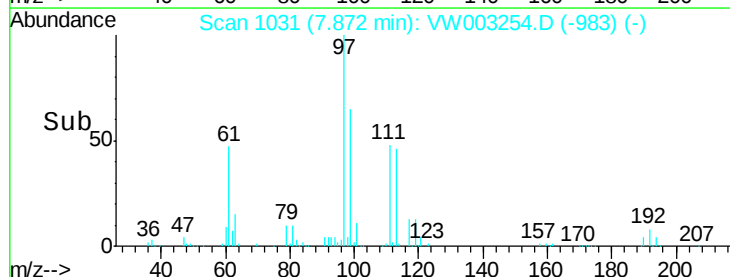
61 46.4 37.6 56.4

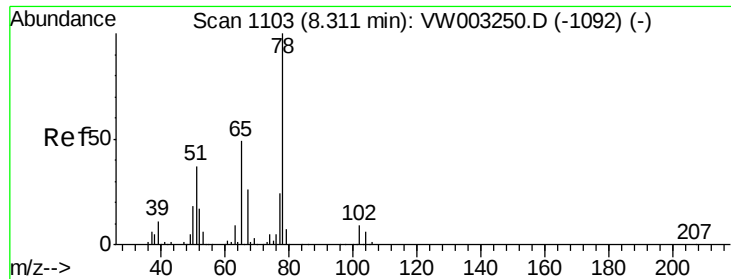


Abundance Ion 96.90 (96.60 to 97.60): VW  
Ion 98.90 (98.60 to 99.60): VW  
Ion 60.90 (60.60 to 61.60): VW



Time-->





#33

1,2-Dichloroethane-d4

Concen: 54.85 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Instrument :

MSVOA\_W

ClientSampleId :

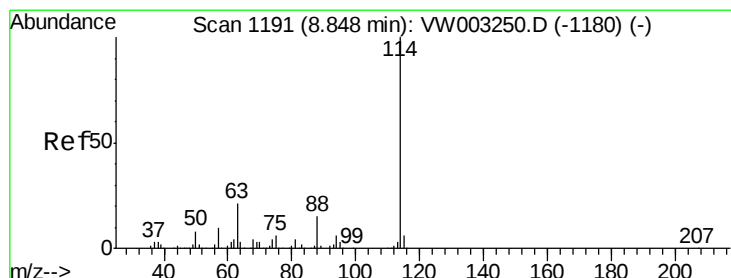
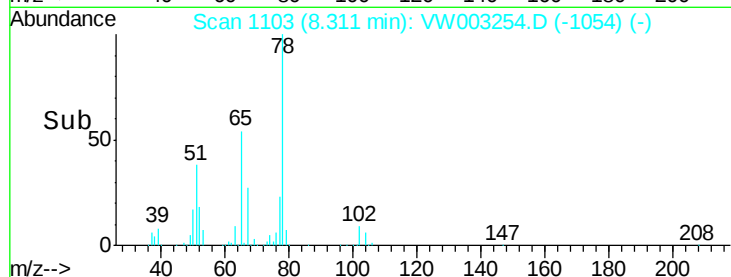
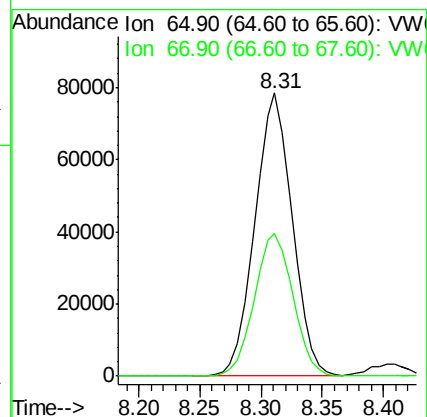
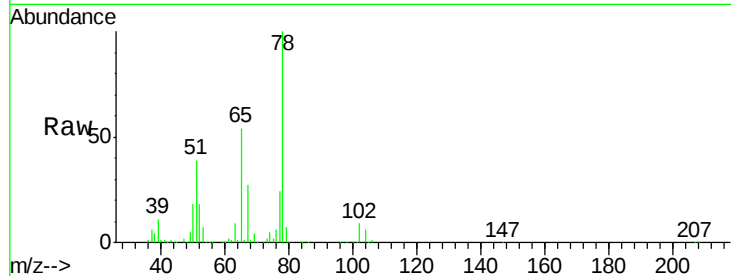
ICVW061318

Tgt Ion: 65 Resp: 166891

Ion Ratio Lower Upper

65 100

67 52.1 0.0 104.2



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

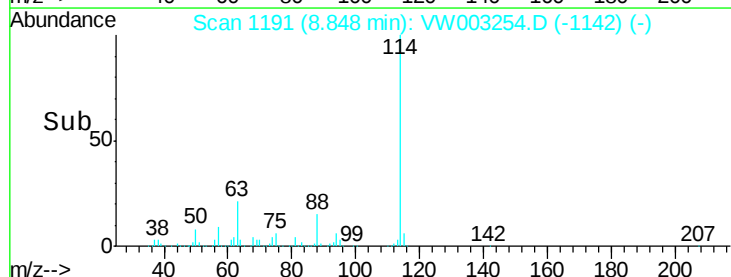
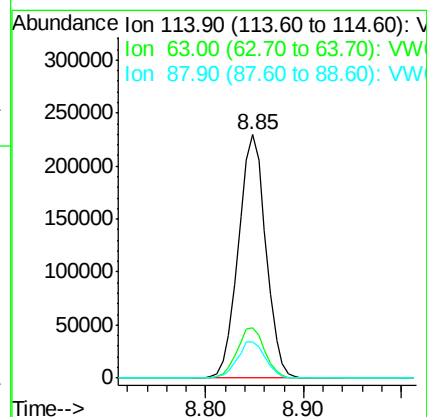
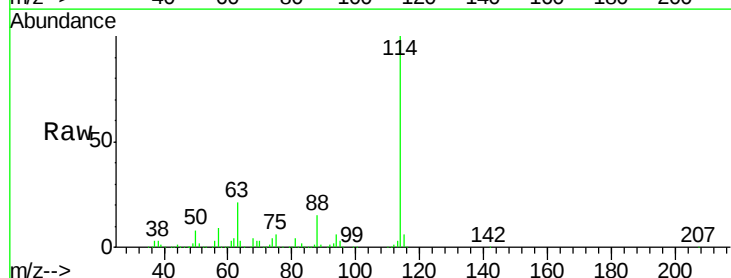
Tgt Ion: 114 Resp: 445573

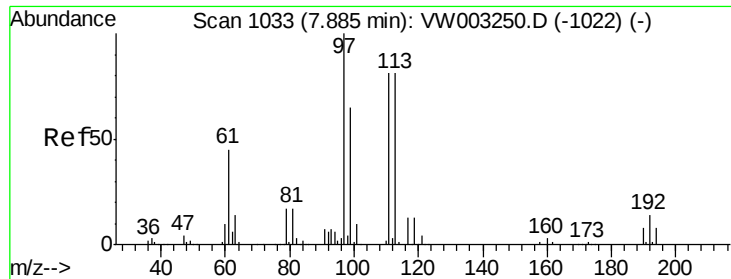
Ion Ratio Lower Upper

114 100

63 20.6 0.0 43.0

88 14.8 0.0 29.6

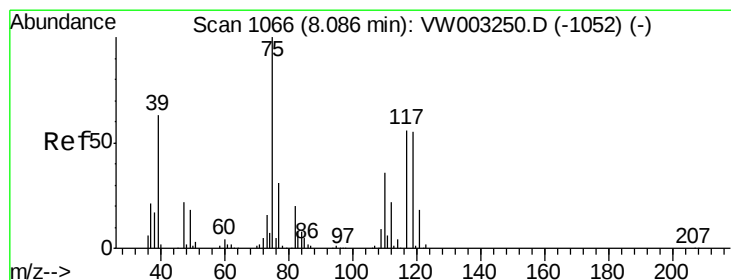
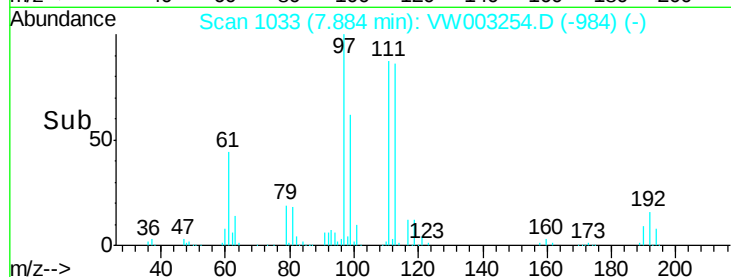
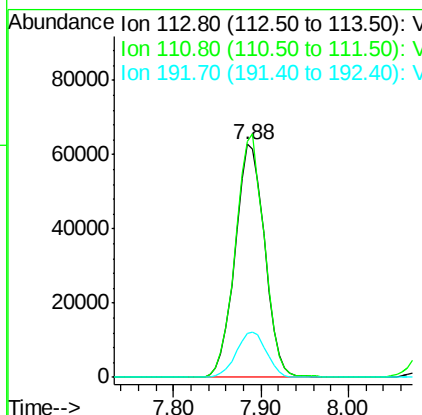
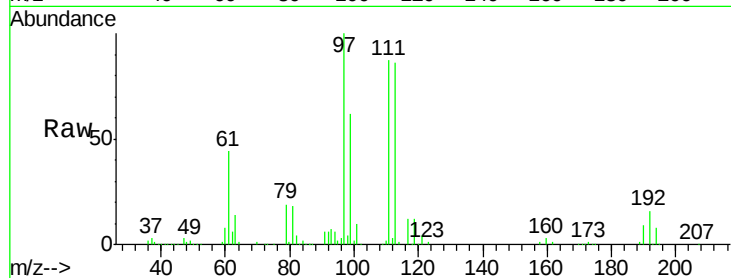




#35  
 Dibromofluoromethane  
 Concen: 53.33 ug/l  
 RT: 7.88 min Scan# 1033  
 Delta R.T. -0.00 min  
 Lab File: VW003254.D  
 Acq: 13 Jun 2018 19:33

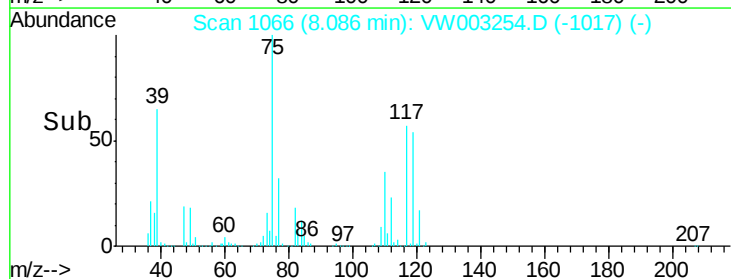
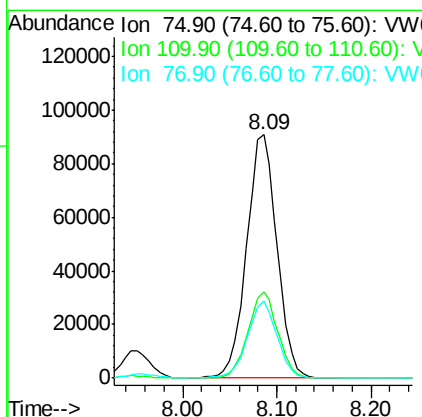
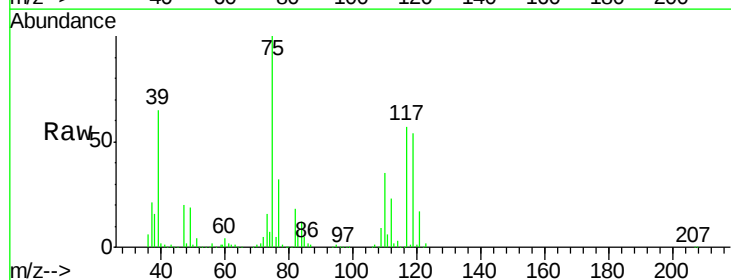
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 ICVVW061318

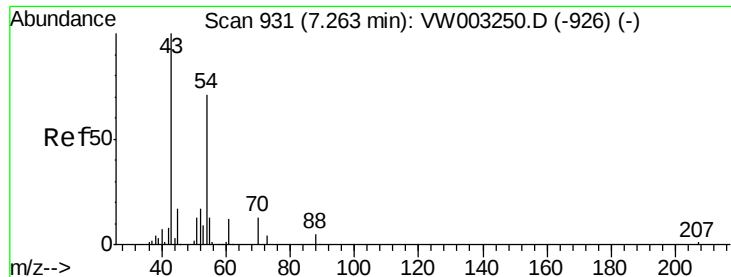
Tgt Ion: 113 Resp: 147642  
 Ion Ratio Lower Upper  
 113 100  
 111 102.2 82.2 123.2  
 192 19.8 16.2 24.2



#36  
 1,1-Dichloropropene  
 Concen: 47.71 ug/l  
 RT: 8.09 min Scan# 1066  
 Delta R.T. -0.00 min  
 Lab File: VW003254.D  
 Acq: 13 Jun 2018 19:33

Tgt Ion: 75 Resp: 205291  
 Ion Ratio Lower Upper  
 75 100  
 110 34.6 17.1 51.3  
 77 31.0 24.9 37.3

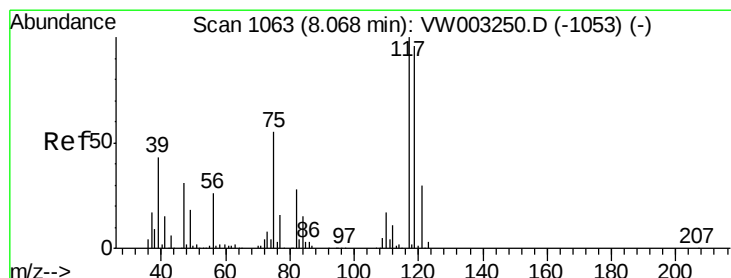
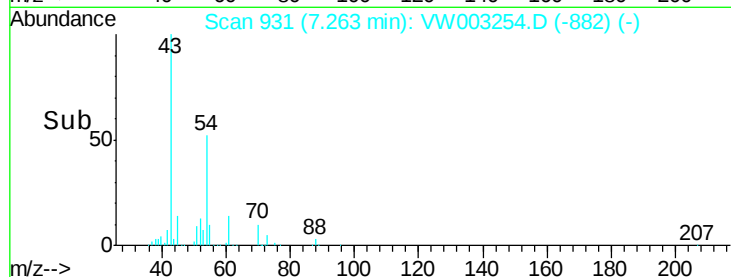
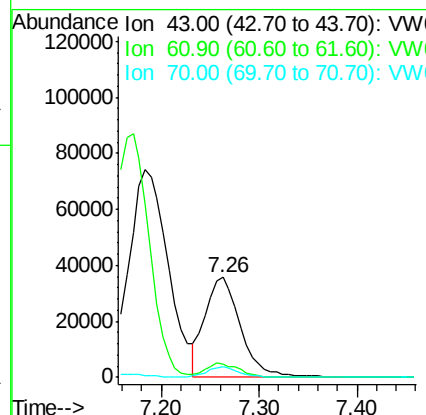
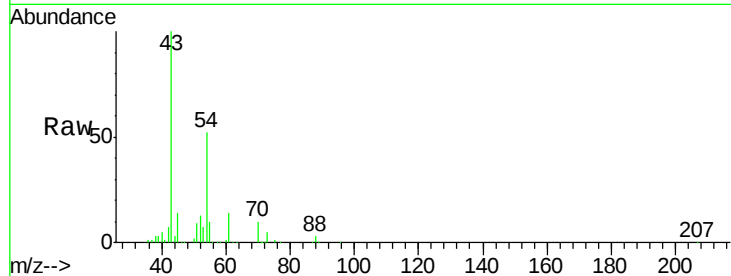




#37  
Ethyl Acetate  
Concen: 49.76 ug/l  
RT: 7.26 min Scan# 931  
Delta R.T. -0.00 min  
Lab File: VW003254.D  
Acq: 13 Jun 2018 19:33

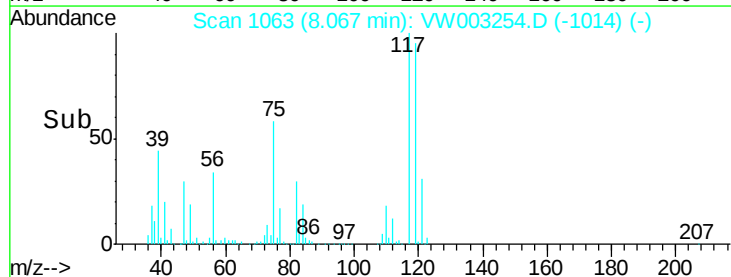
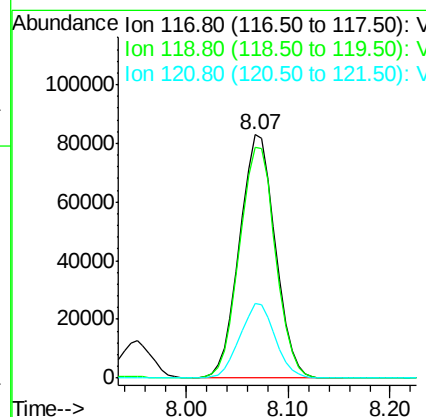
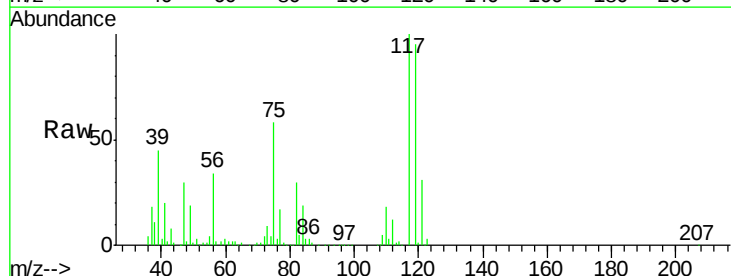
Instrument :  
MSVOA\_W  
ClientSampleId :  
ICVW061318

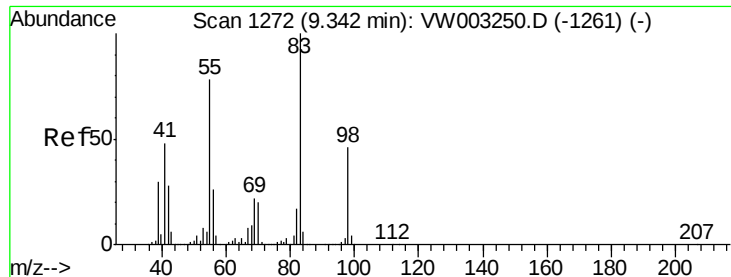
Tgt Ion: 43 Resp: 88698  
Ion Ratio Lower Upper  
43 100  
61 14.1 10.8 16.2  
70 9.6 7.8 11.6



#38  
Carbon Tetrachloride  
Concen: 47.88 ug/l  
RT: 8.07 min Scan# 1063  
Delta R.T. -0.00 min  
Lab File: VW003254.D  
Acq: 13 Jun 2018 19:33

Tgt Ion: 117 Resp: 202100  
Ion Ratio Lower Upper  
117 100  
119 95.0 76.6 115.0  
121 30.8 23.9 35.9

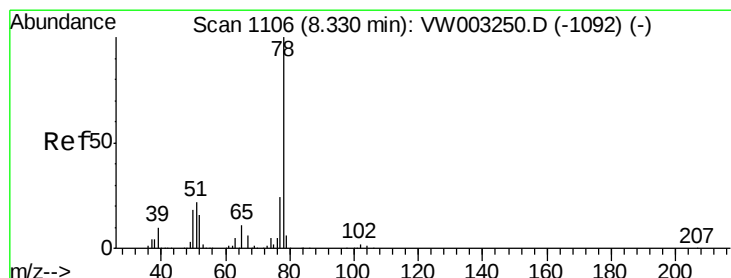
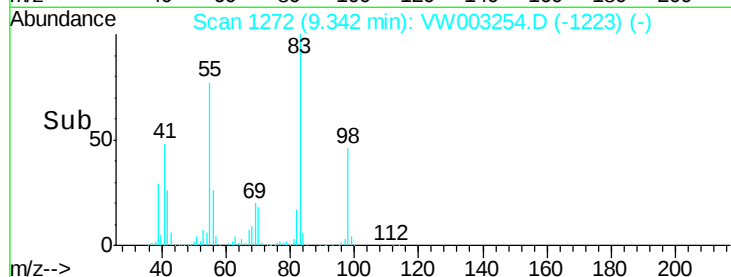
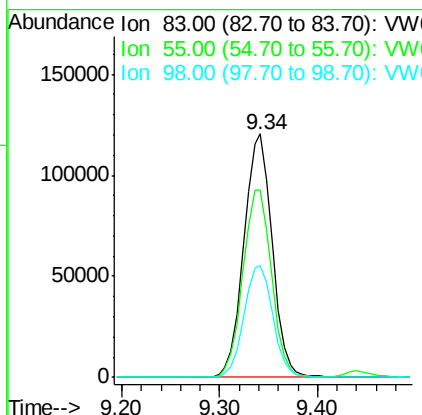
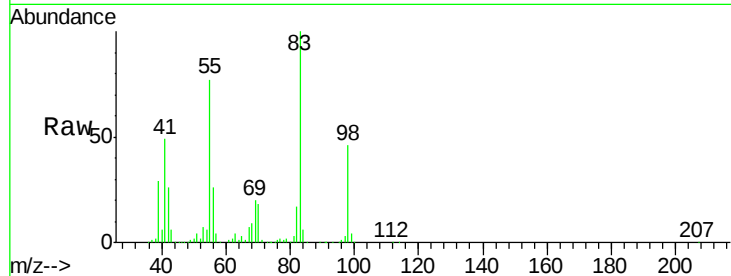




#39  
Methylcyclohexane  
Concen: 48.49 ug/l  
RT: 9.34 min Scan# 1272  
Delta R.T. -0.00 min  
Lab File: VW003254.D  
Acq: 13 Jun 2018 19:33

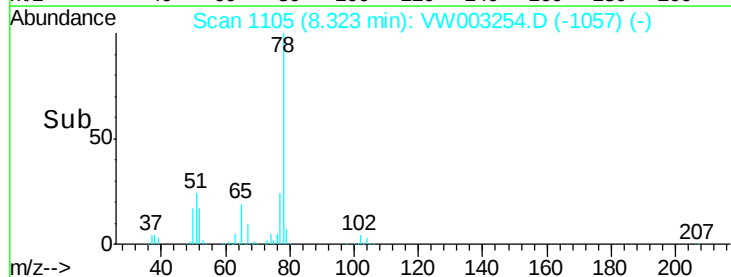
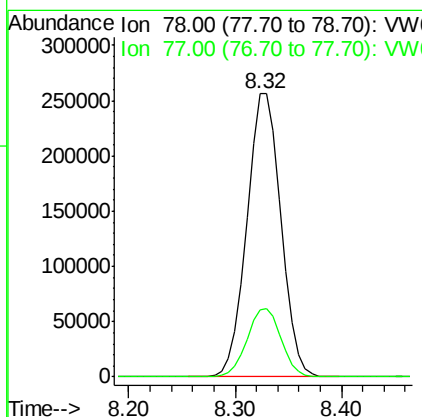
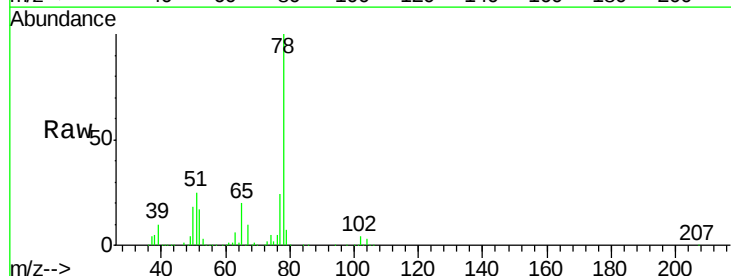
Instrument :  
MSVOA\_W  
ClientSampleId :  
ICVW061318

Tgt Ion: 83 Resp: 241428  
Ion Ratio Lower Upper  
83 100  
55 76.7 62.6 93.8  
98 46.1 37.0 55.4



#40  
Benzene  
Concen: 48.67 ug/l  
RT: 8.32 min Scan# 1105  
Delta R.T. -0.01 min  
Lab File: VW003254.D  
Acq: 13 Jun 2018 19:33

Tgt Ion: 78 Resp: 577342  
Ion Ratio Lower Upper  
78 100  
77 23.8 19.0 28.6

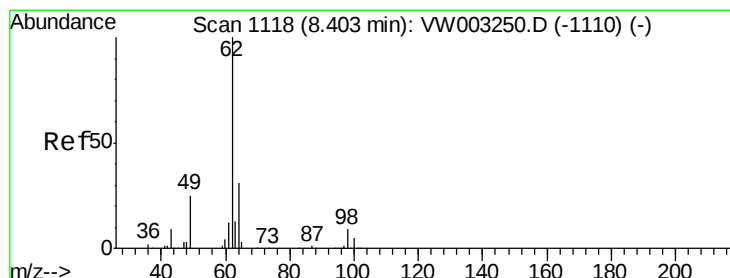
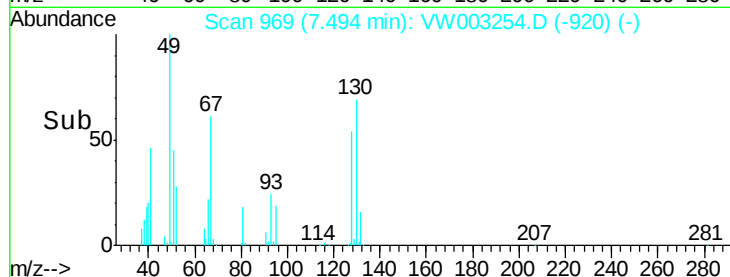
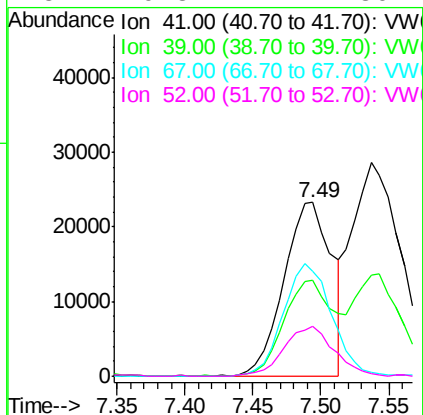
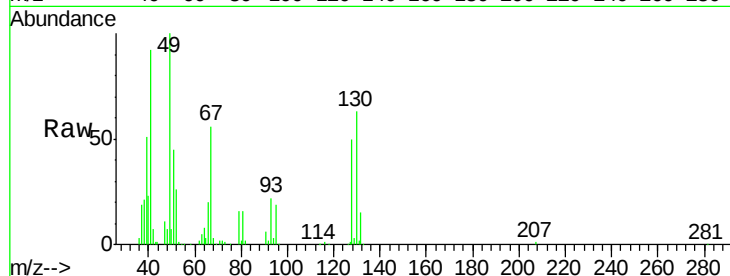




#41  
Methacrylonitrile  
Concen: 52.07 ug/l  
RT: 7.49 min Scan# 969  
Delta R.T. -0.00 min  
Lab File: VW003254.D  
Acq: 13 Jun 2018 19:33

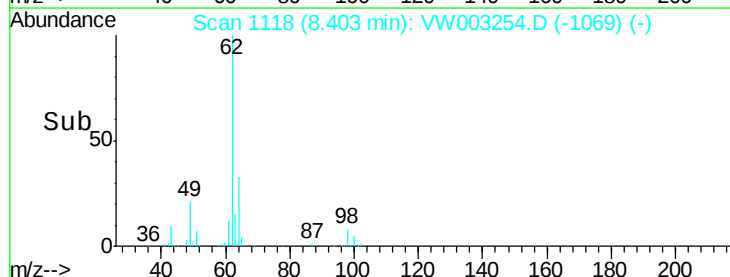
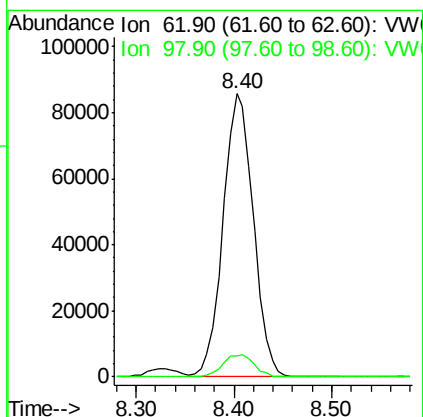
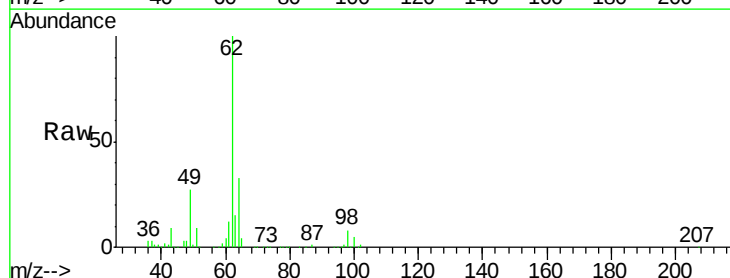
Instrument :  
MSVOA\_W  
ClientSampleId :  
ICVW061318

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 56958 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 59.9  | 45.8  | 68.8  |
| 67       | 65.6  | 52.3  | 78.5  |
| 52       | 29.8  | 24.1  | 36.1  |



#42  
1,2-Dichloroethane  
Concen: 49.47 ug/l  
RT: 8.40 min Scan# 1118  
Delta R.T. -0.00 min  
Lab File: VW003254.D  
Acq: 13 Jun 2018 19:33

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 183840 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 8.1   | 0.0   | 17.2   |





#43

Isopropyl Acetate

Concen: 50.91 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Instrument :

MSVOA\_W

ClientSampleId :

ICVW061318

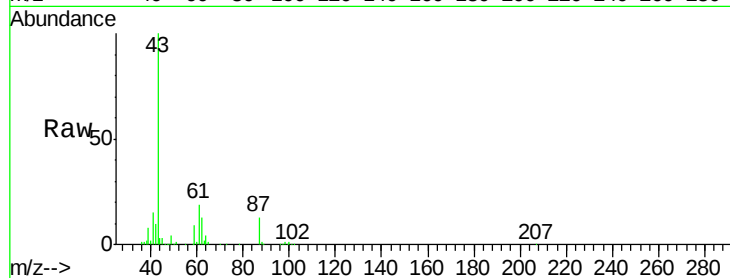
Tgt Ion: 43 Resp: 180216

Ion Ratio Lower Upper

43 100

61 29.1 23.1 34.7

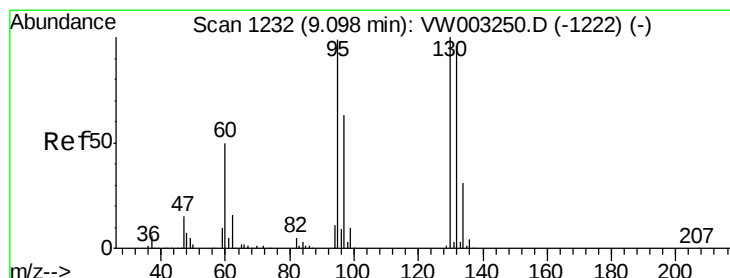
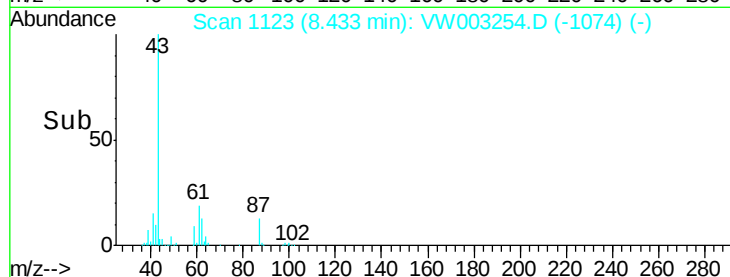
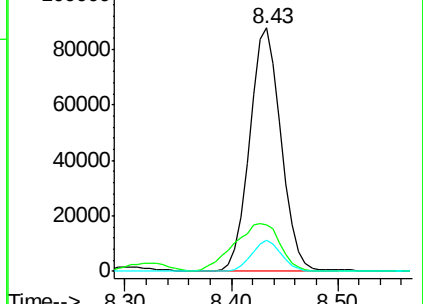
87 12.4 9.8 14.6



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: 48.24 ug/l

RT: 9.10 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VW003254.D

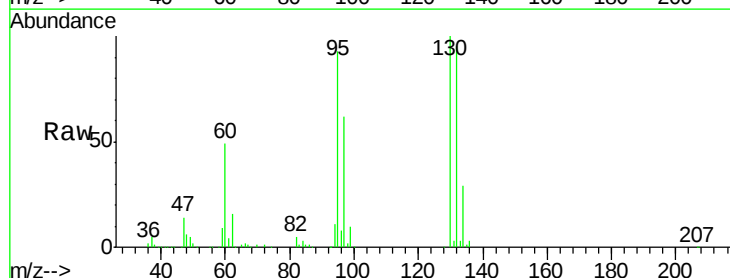
Acq: 13 Jun 2018 19:33

Tgt Ion: 130 Resp: 151623

Ion Ratio Lower Upper

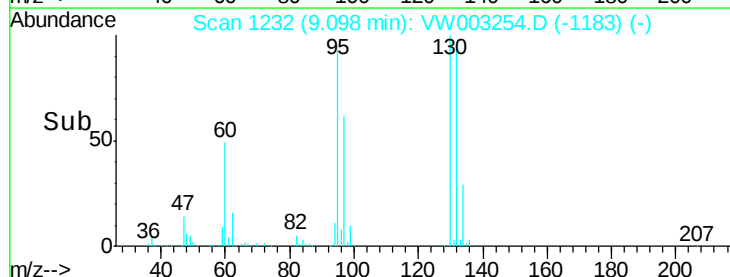
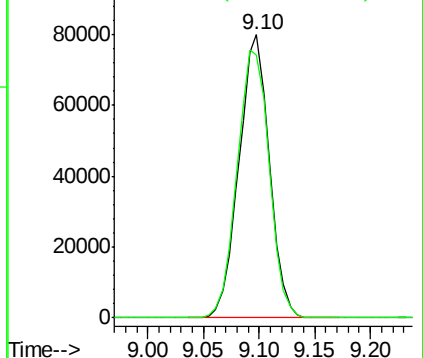
130 100

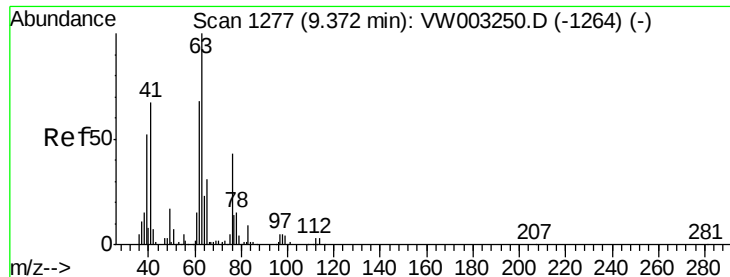
95 92.8 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

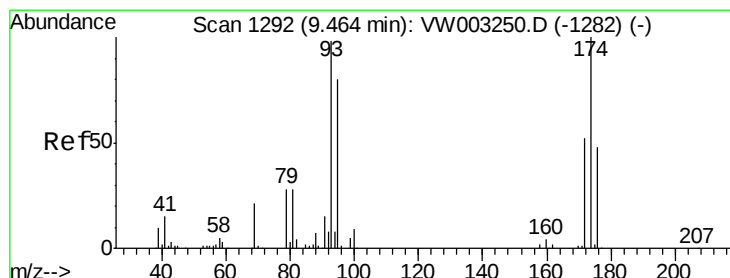
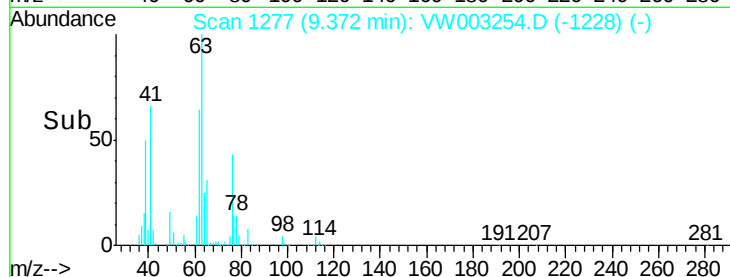
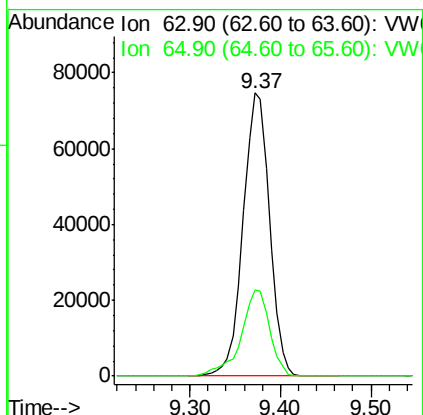
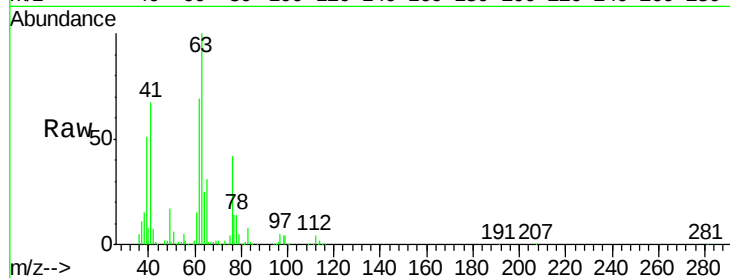




#45  
 1,2-Dichloropropane  
 Concen: 50.00 ug/l  
 RT: 9.37 min Scan# 1277  
 Delta R.T. -0.00 min  
 Lab File: VW003254.D  
 Acq: 13 Jun 2018 19:33

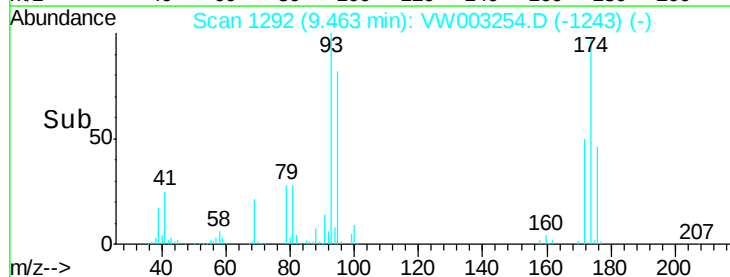
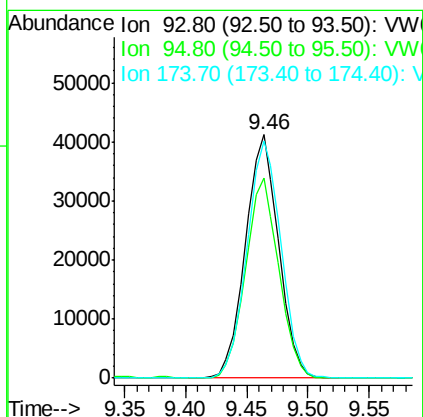
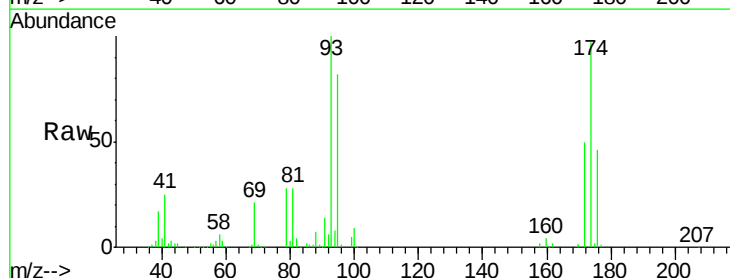
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 ICVVW061318

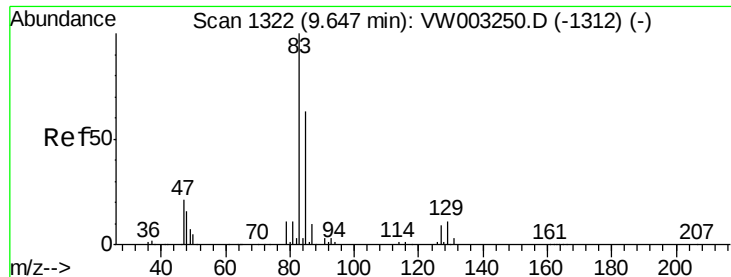
Tgt Ion: 63 Resp: 150989  
 Ion Ratio Lower Upper  
 63 100  
 65 30.5 25.1 37.7



#46  
 Dibromomethane  
 Concen: 50.20 ug/l  
 RT: 9.46 min Scan# 1292  
 Delta R.T. -0.00 min  
 Lab File: VW003254.D  
 Acq: 13 Jun 2018 19:33

Tgt Ion: 93 Resp: 77623  
 Ion Ratio Lower Upper  
 93 100  
 95 82.5 65.8 98.8  
 174 100.2 81.4 122.0





#47

Bromodichloromethane

Concen: 49.66 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Instrument :

MSVOA\_W

ClientSampleId :

ICVW061318

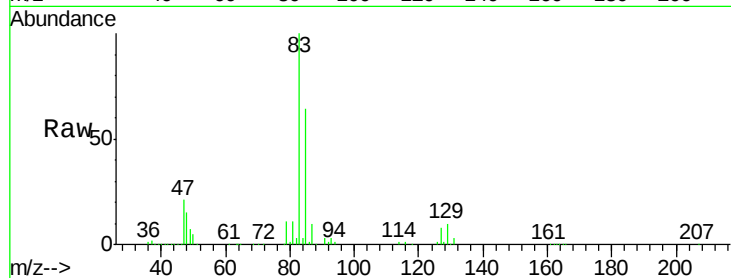
Tgt Ion: 83 Resp: 196800

Ion Ratio Lower Upper

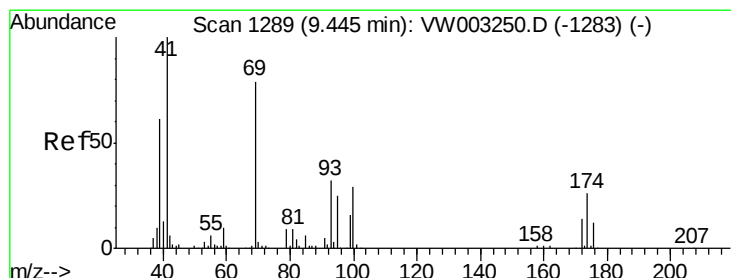
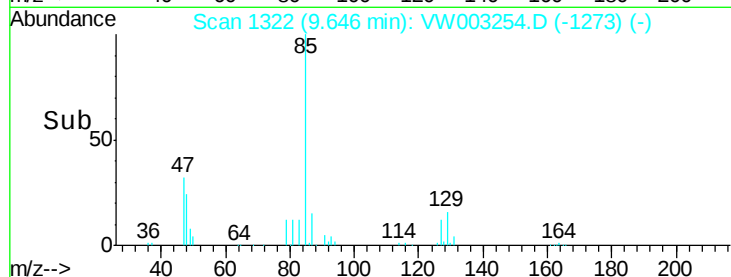
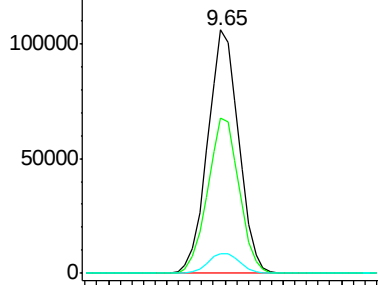
83 100

85 63.9 50.6 75.8

127 7.9 6.8 10.2



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): V



#48

Methyl methacrylate

Concen: 53.98 ug/l

RT: 9.45 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

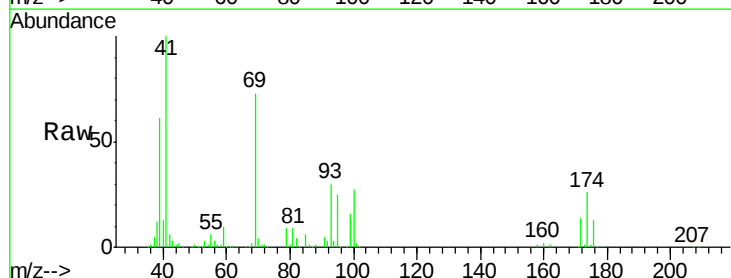
Tgt Ion: 41 Resp: 89792

Ion Ratio Lower Upper

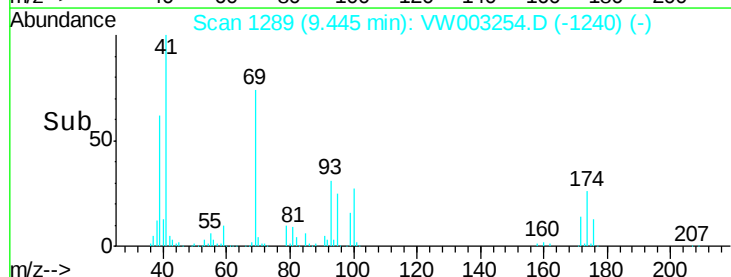
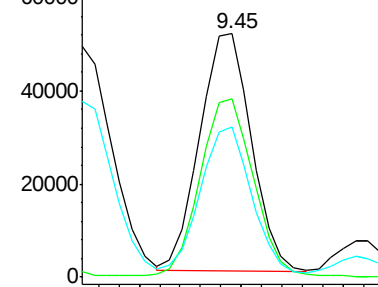
41 100

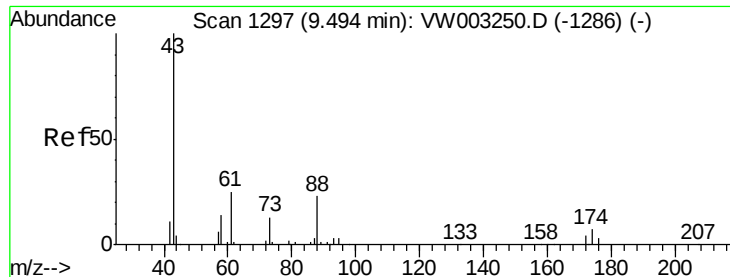
69 78.5 65.4 98.2

39 64.1 54.2 81.2



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

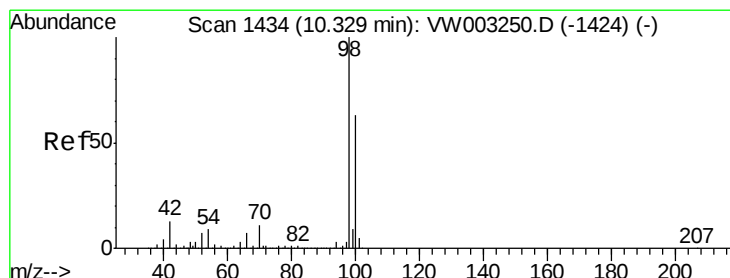
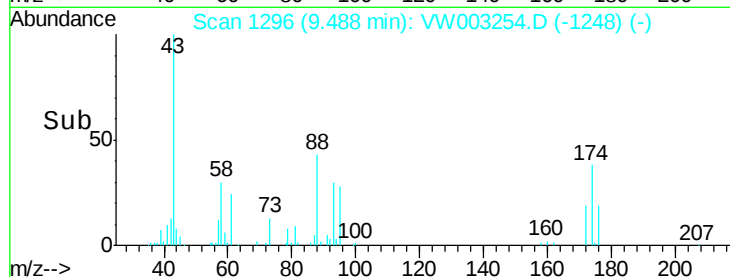
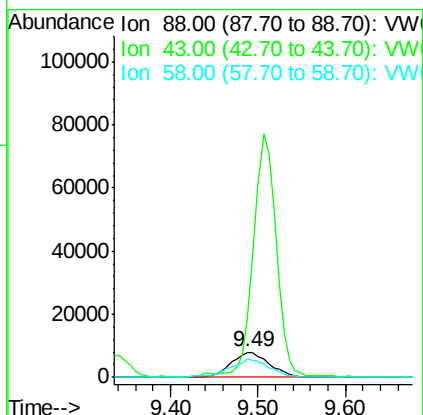
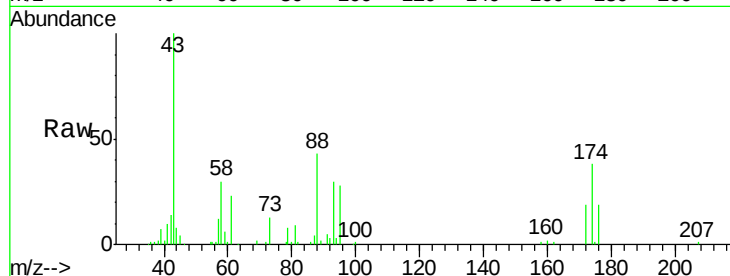




#49  
1,4-Dioxane  
Concen: 1032.61 ug/l  
RT: 9.49 min Scan# 1296  
Delta R.T. -0.01 min  
Lab File: VW003254.D  
Acq: 13 Jun 2018 19:33

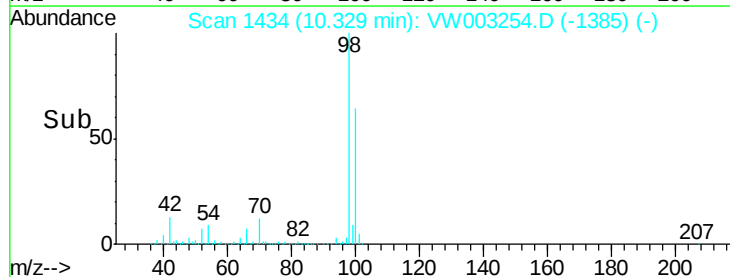
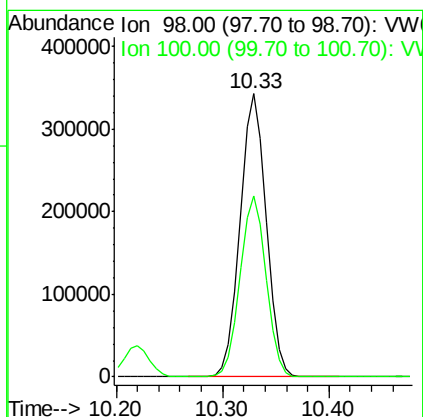
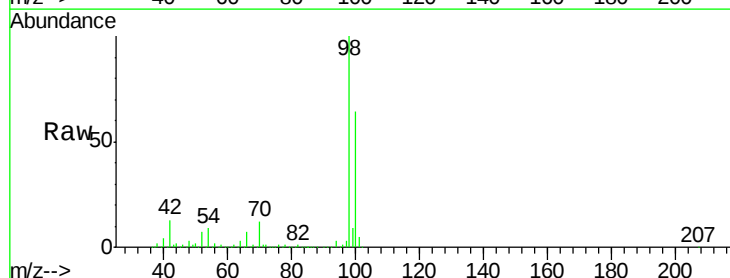
Instrument :  
MSVOA\_W  
ClientSampleId :  
ICVW061318

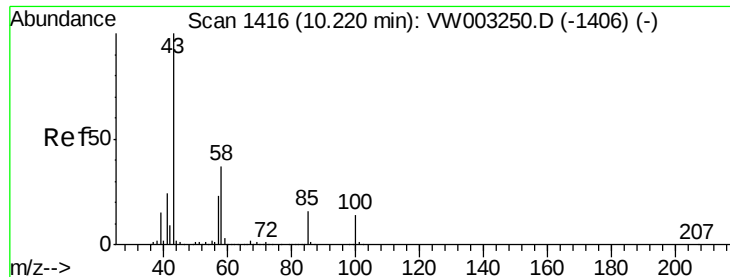
Tgt Ion: 88 Resp: 24107  
Ion Ratio Lower Upper  
88 100  
43 579.6 454.7 682.1  
58 74.5 58.6 88.0



#50  
Toluene-d8  
Concen: 53.96 ug/l  
RT: 10.33 min Scan# 1434  
Delta R.T. -0.00 min  
Lab File: VW003254.D  
Acq: 13 Jun 2018 19:33

Tgt Ion: 98 Resp: 592349  
Ion Ratio Lower Upper  
98 100  
100 63.6 50.8 76.2

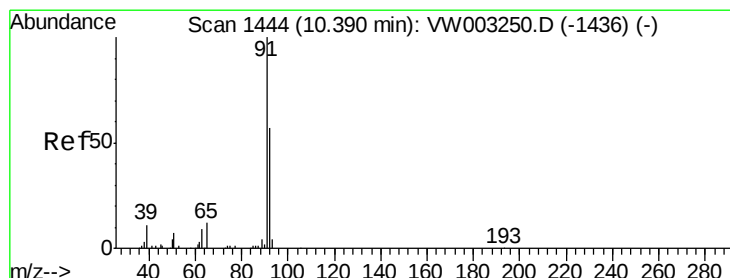
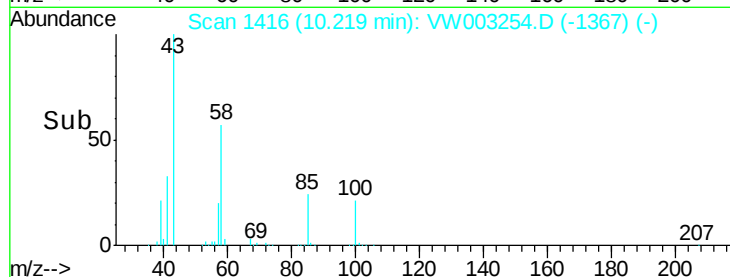
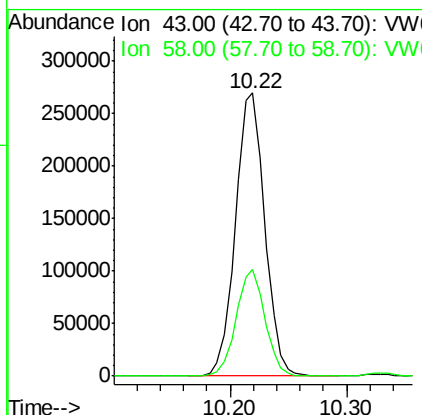
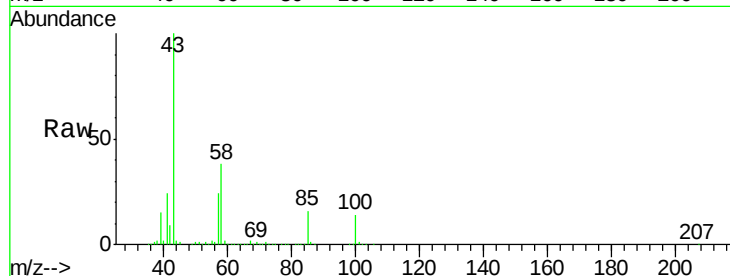




#51  
4-Methyl-2-Pentanone  
Concen: 261.79 ug/l  
RT: 10.22 min Scan# 1416  
Delta R.T. -0.00 min  
Lab File: VW003254.D  
Acq: 13 Jun 2018 19:33

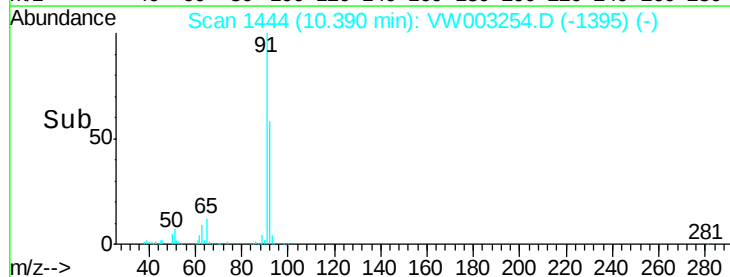
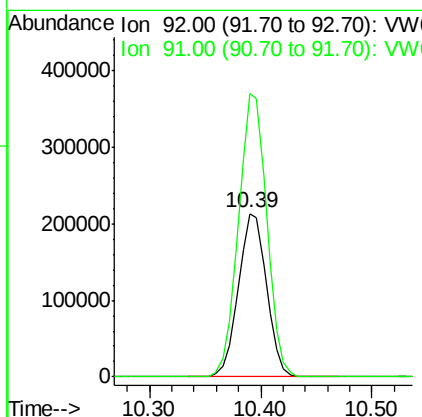
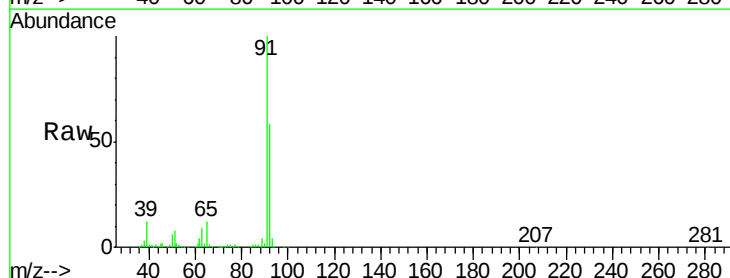
Instrument :  
MSVOA\_W  
ClientSampleId :  
ICVW061318

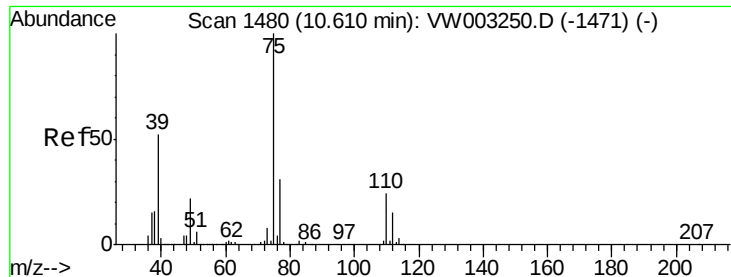
Tgt Ion: 43 Resp: 472182  
Ion Ratio Lower Upper  
43 100  
58 37.0 29.0 43.4



#52  
Toluene  
Concen: 49.07 ug/l  
RT: 10.39 min Scan# 1444  
Delta R.T. -0.00 min  
Lab File: VW003254.D  
Acq: 13 Jun 2018 19:33

Tgt Ion: 92 Resp: 373233  
Ion Ratio Lower Upper  
92 100  
91 174.5 141.1 211.7





#53

t-1,3-Dichloropropene

Concen: 50.55 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Instrument :

MSVOA\_W

ClientSampled :

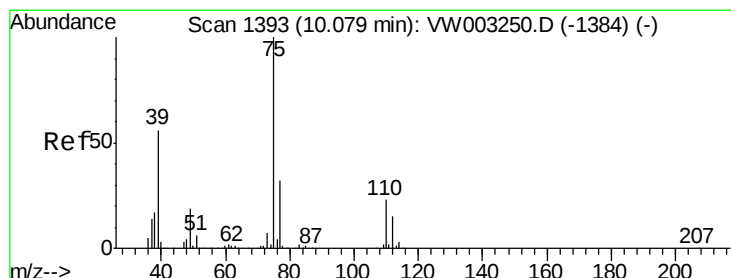
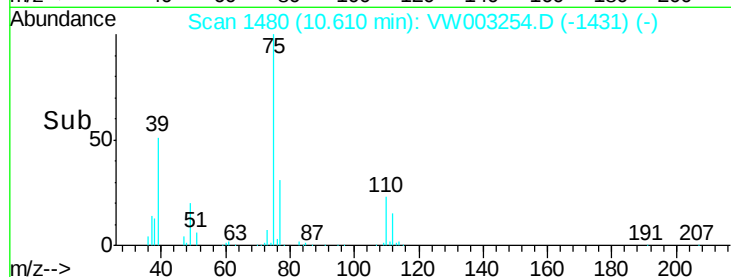
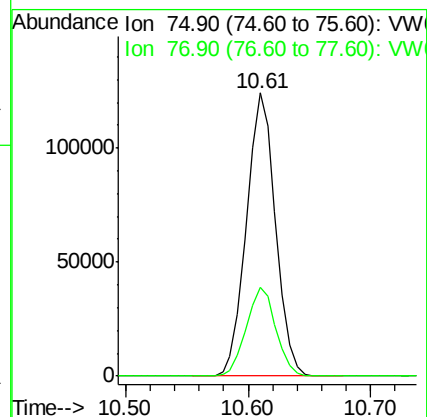
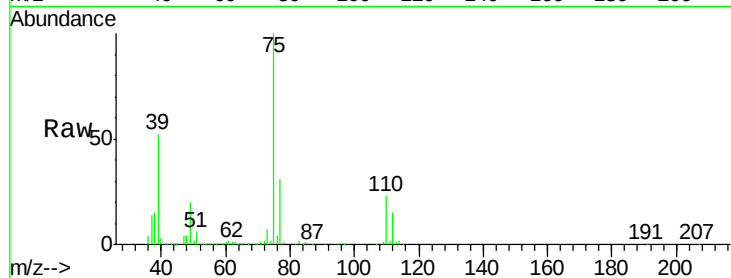
ICVW061318

Tgt Ion: 75 Resp: 204660

Ion Ratio Lower Upper

75 100

77 31.4 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 50.29 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

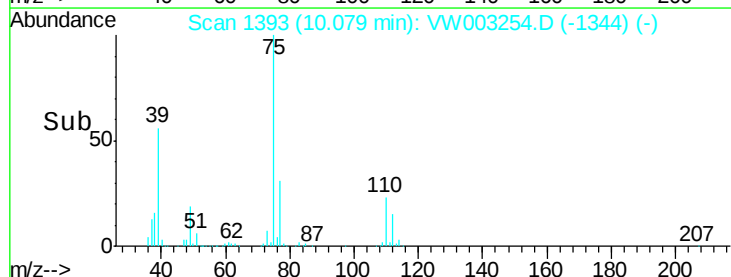
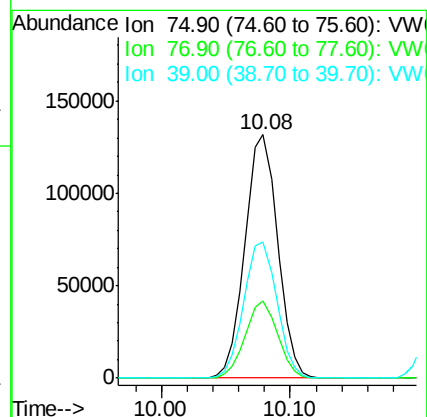
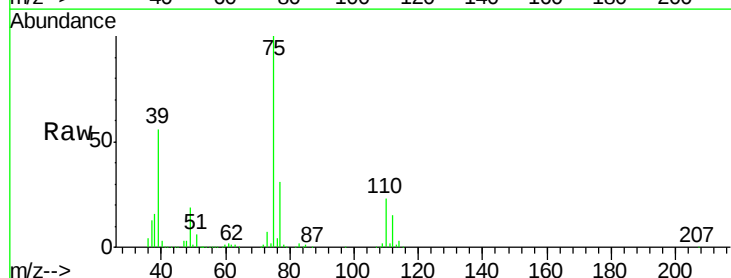
Tgt Ion: 75 Resp: 231722

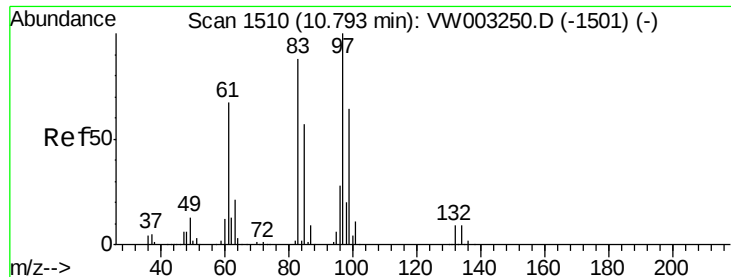
Ion Ratio Lower Upper

75 100

77 31.5 25.8 38.6

39 56.0 45.2 67.8

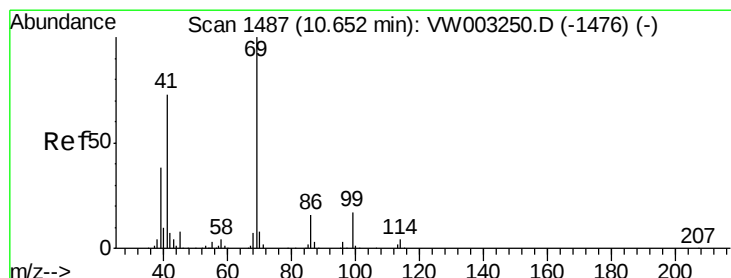
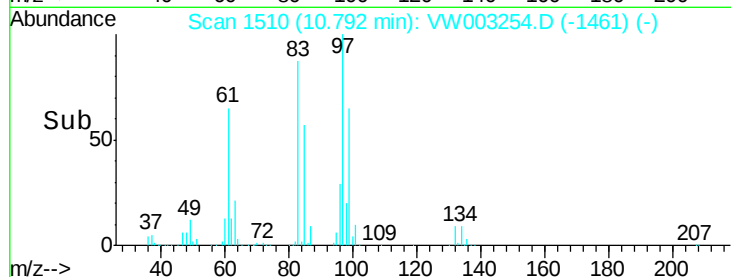
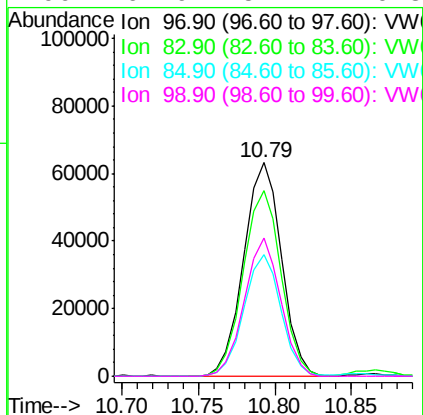
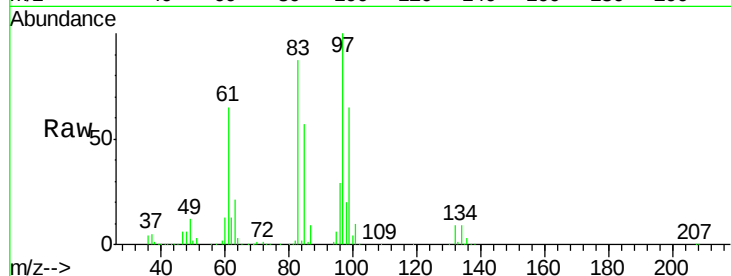




#55  
 1,1,2-Trichloroethane  
 Concen: 49.94 ug/l  
 RT: 10.79 min Scan# 1510  
 Delta R.T. -0.00 min  
 Lab File: VW003254.D  
 Acq: 13 Jun 2018 19:33

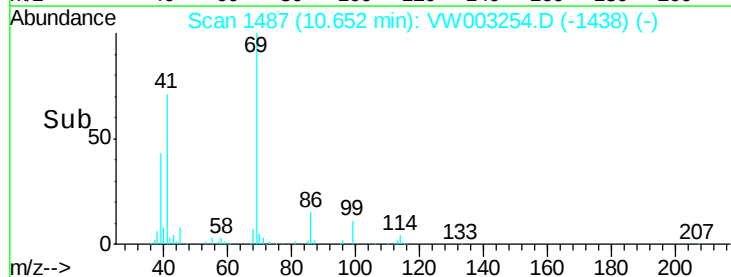
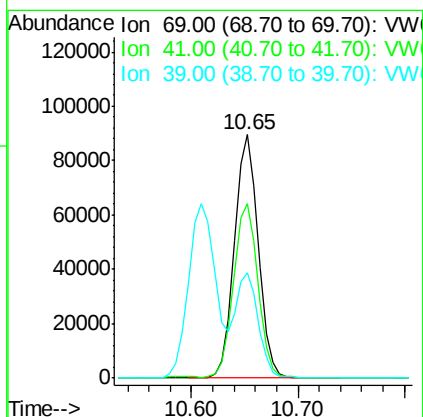
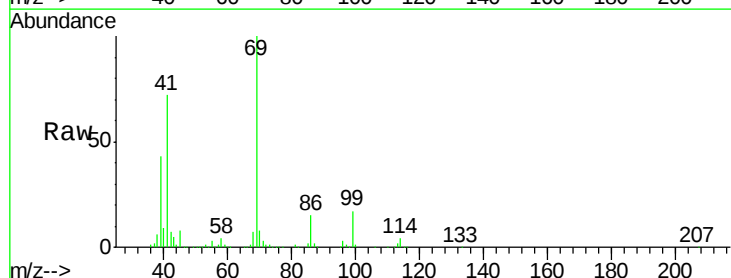
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 ICVVW061318

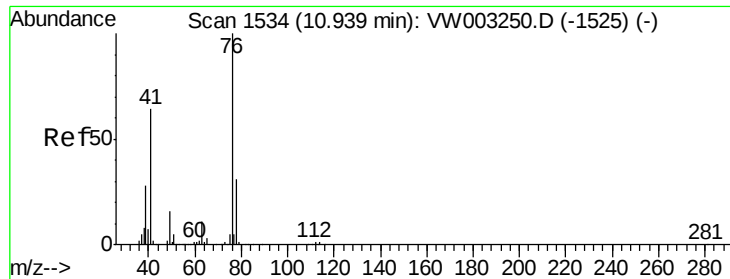
Tgt Ion: 97 Resp: 108803  
 Ion Ratio Lower Upper  
 97 100  
 83 86.8 70.2 105.2  
 85 57.0 45.6 68.4  
 99 64.9 51.2 76.8



#56  
 Ethyl methacrylate  
 Concen: 53.42 ug/l  
 RT: 10.65 min Scan# 1487  
 Delta R.T. -0.00 min  
 Lab File: VW003254.D  
 Acq: 13 Jun 2018 19:33

Tgt Ion: 69 Resp: 141330  
 Ion Ratio Lower Upper  
 69 100  
 41 72.9 57.8 86.6  
 39 40.4 32.7 49.1

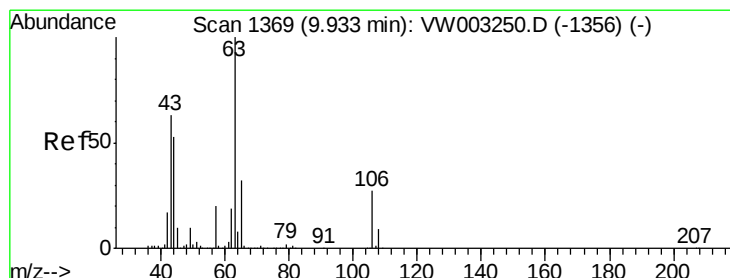
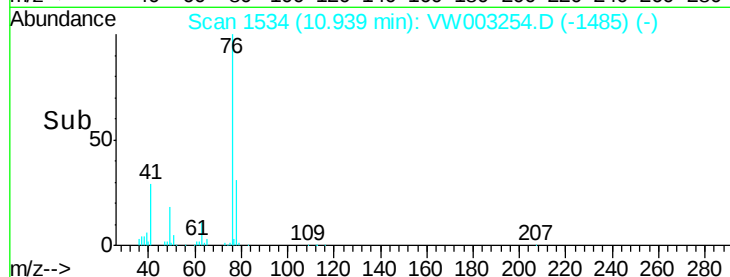
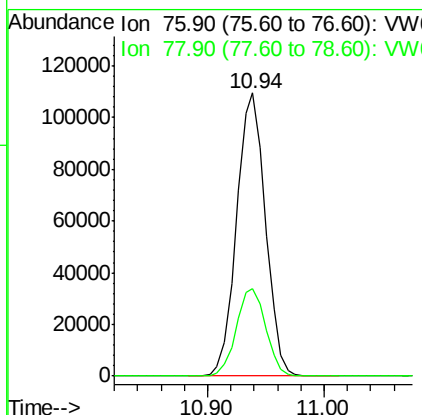
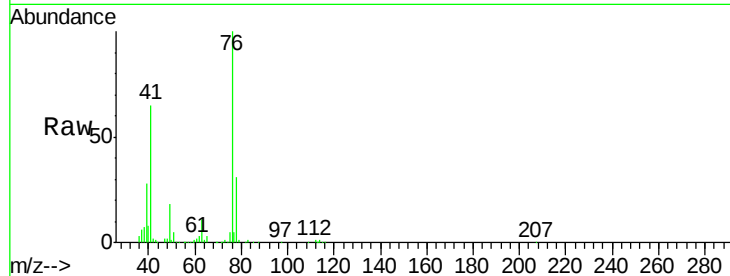




#57  
 1,3-Dichloropropane  
 Concen: 50.32 ug/l  
 RT: 10.94 min Scan# 1534  
 Delta R.T. -0.00 min  
 Lab File: VW003254.D  
 Acq: 13 Jun 2018 19:33

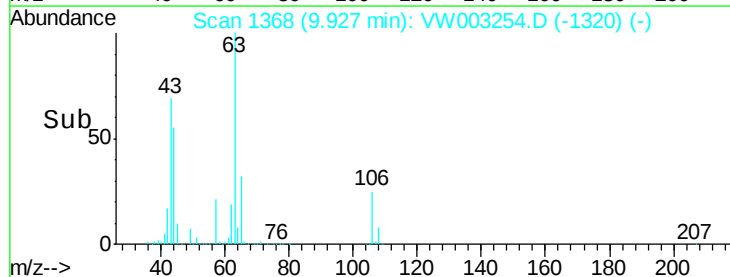
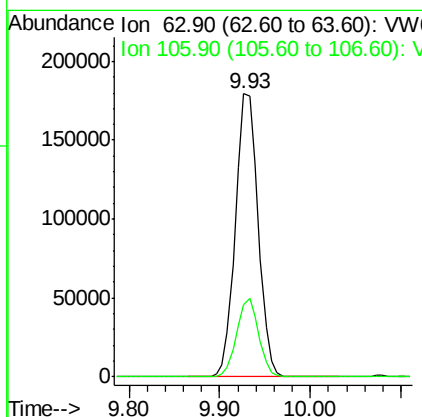
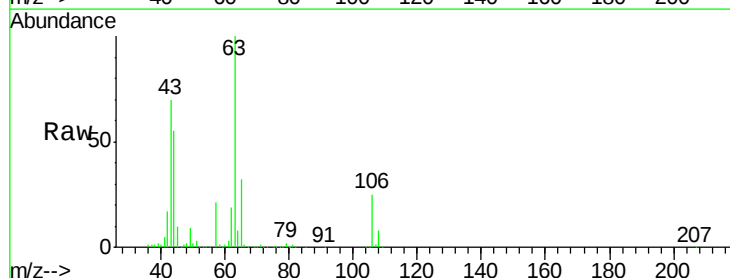
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 ICVVW061318

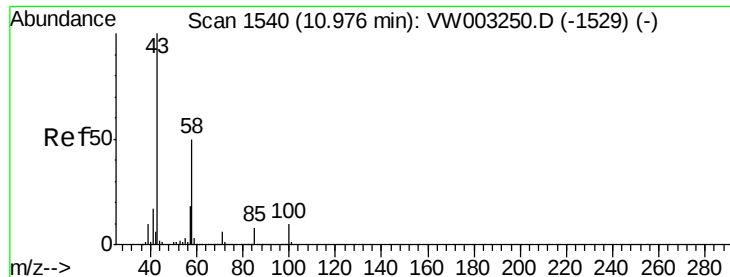
Tgt Ion: 76 Resp: 189093  
 Ion Ratio Lower Upper  
 76 100  
 78 31.7 25.7 38.5



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 263.75 ug/l  
 RT: 9.93 min Scan# 1368  
 Delta R.T. -0.01 min  
 Lab File: VW003254.D  
 Acq: 13 Jun 2018 19:33

Tgt Ion: 63 Resp: 312816  
 Ion Ratio Lower Upper  
 63 100  
 106 26.6 21.8 32.8

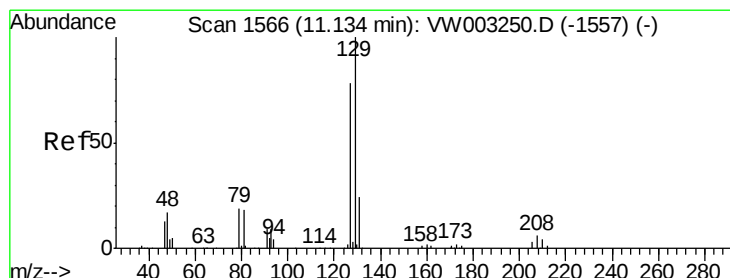
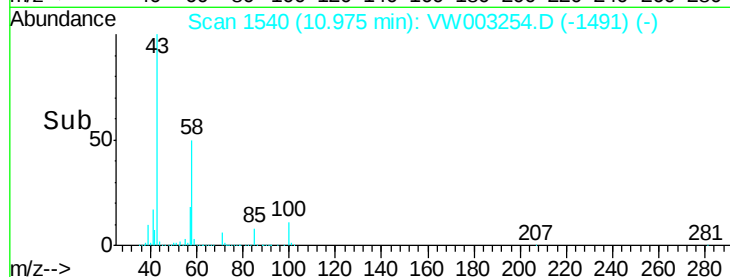
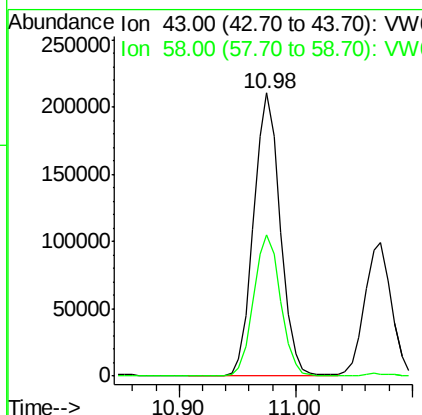
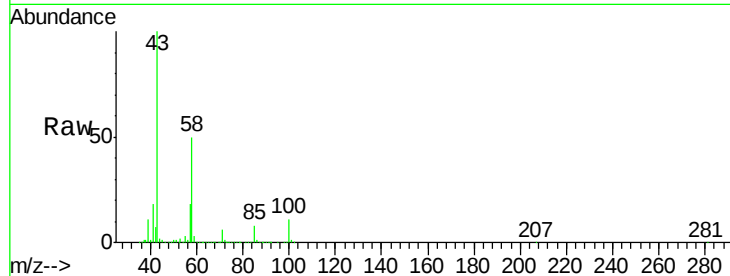




#59  
2-Hexanone  
Concen: 267.28 ug/l  
RT: 10.98 min Scan# 1540  
Delta R.T. -0.00 min  
Lab File: VW003254.D  
Acq: 13 Jun 2018 19:33

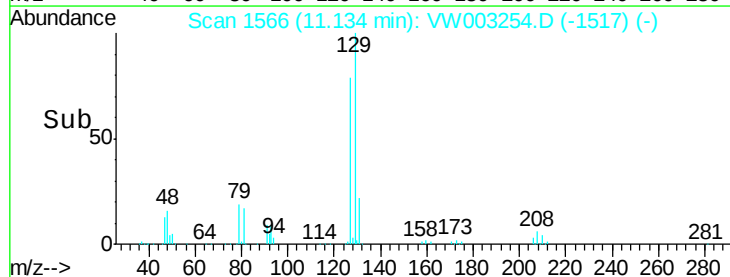
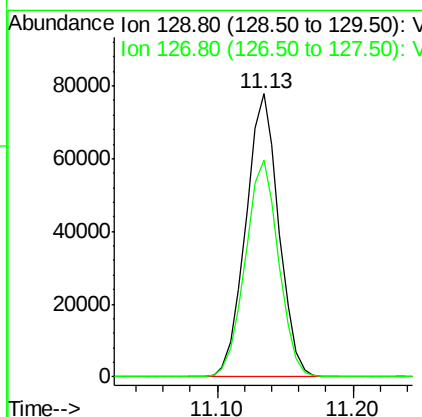
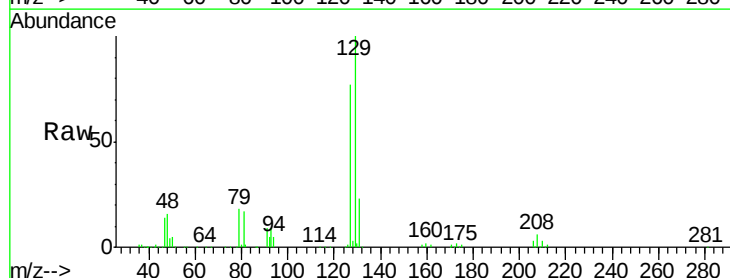
Instrument :  
MSVOA\_W  
ClientSampleId :  
ICVW061318

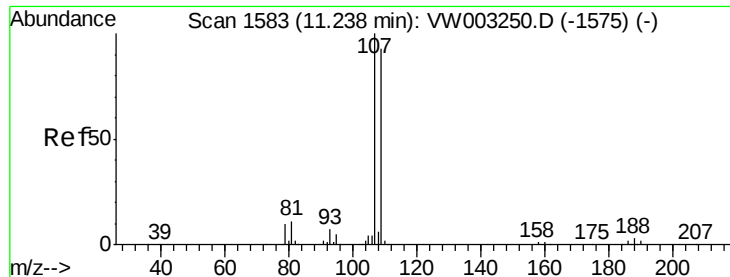
Tgt Ion: 43 Resp: 336778  
Ion Ratio Lower Upper  
43 100  
58 50.6 25.0 75.0



#60  
Dibromochloromethane  
Concen: 50.88 ug/l  
RT: 11.13 min Scan# 1566  
Delta R.T. -0.00 min  
Lab File: VW003254.D  
Acq: 13 Jun 2018 19:33

Tgt Ion: 129 Resp: 131827  
Ion Ratio Lower Upper  
129 100  
127 77.3 39.1 117.5





#61

1,2-Dibromoethane

Concen: 50.34 ug/l

RT: 11.24 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Instrument :

MSVOA\_W

ClientSampleId :

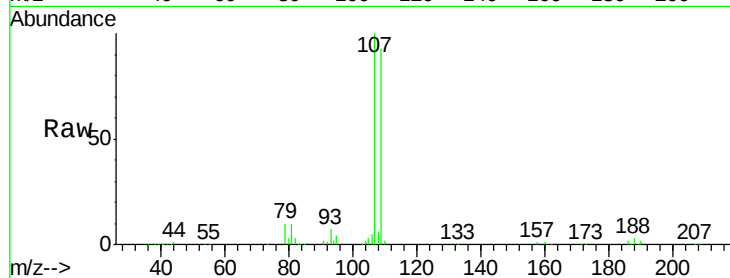
ICVW061318

Tgt Ion: 107 Resp: 103754

Ion Ratio Lower Upper

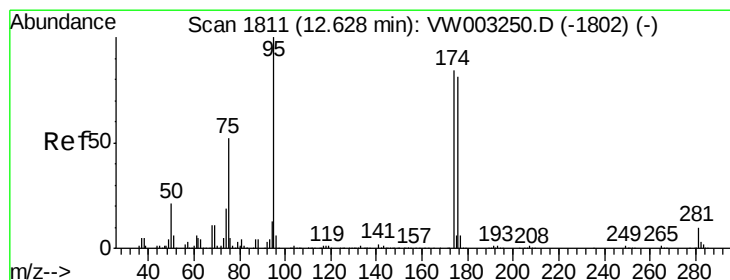
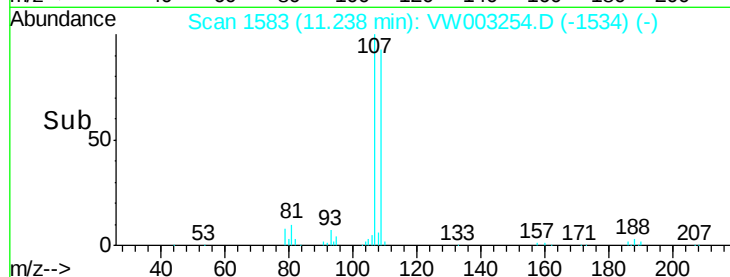
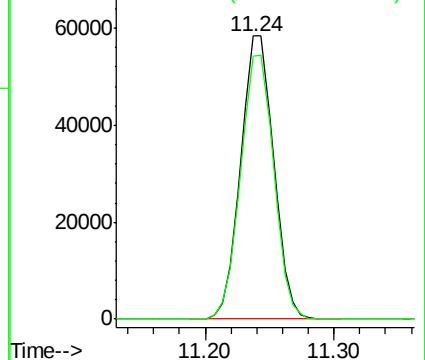
107 100

109 93.8 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 55.31 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

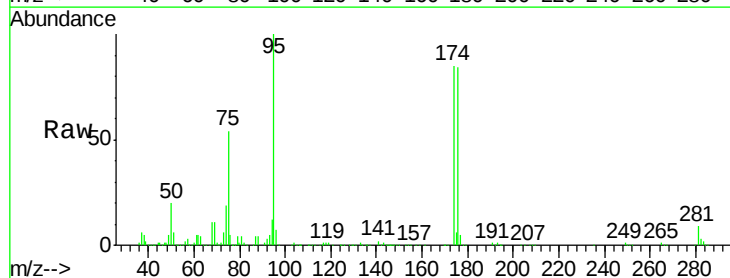
Tgt Ion: 95 Resp: 214895

Ion Ratio Lower Upper

95 100

174 82.2 0.0 166.4

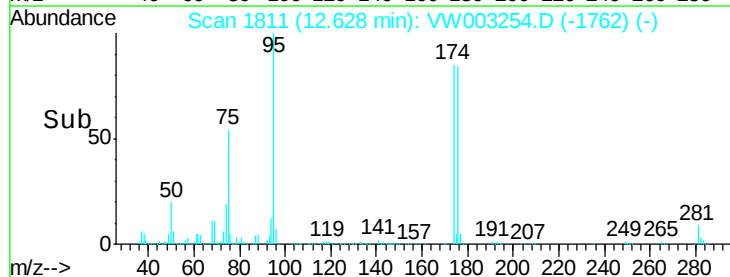
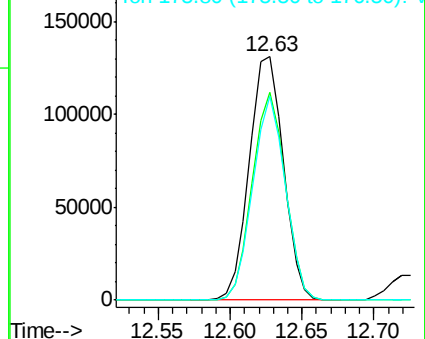
176 79.5 0.0 162.0

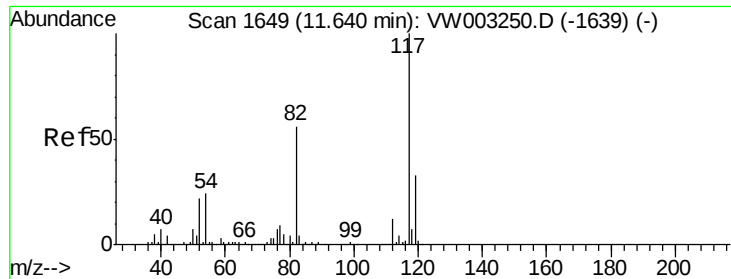


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

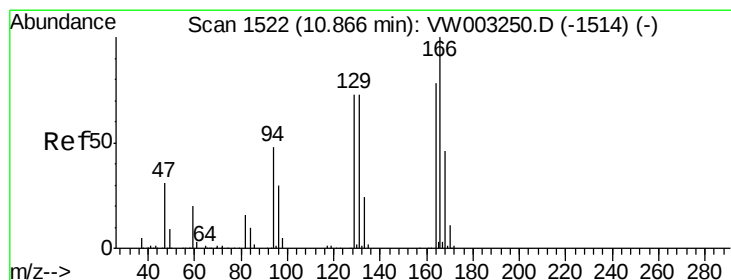
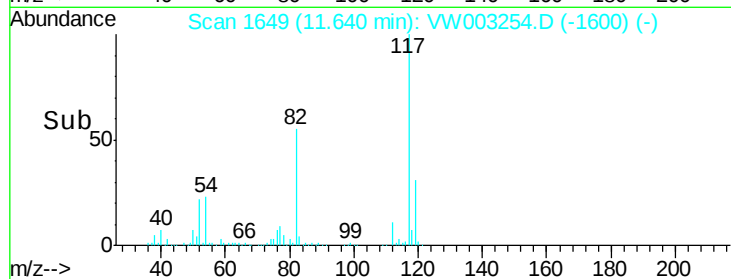
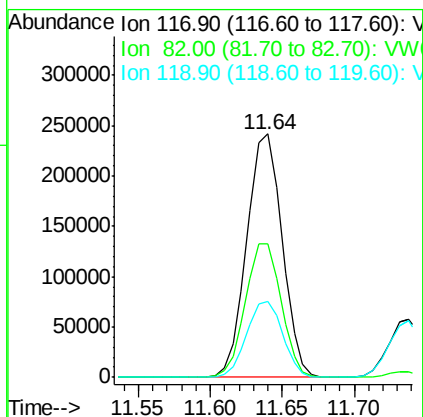
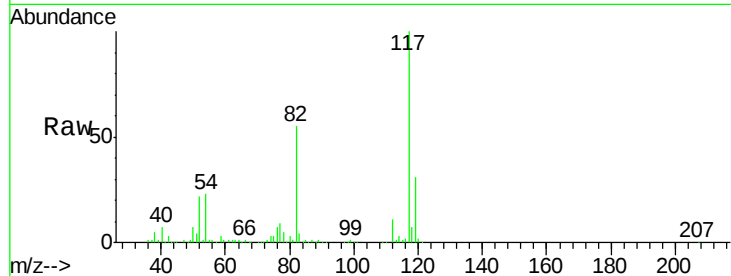




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.64 min Scan# 1649  
Delta R.T. -0.00 min  
Lab File: VW003254.D  
Acq: 13 Jun 2018 19:33

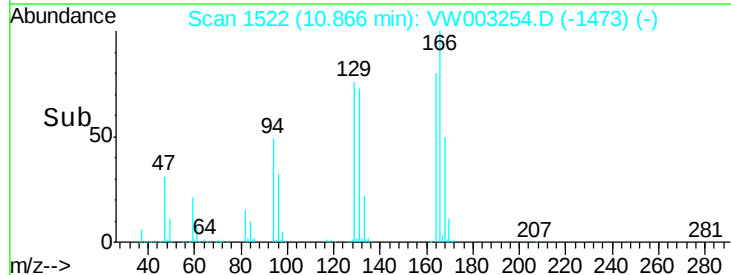
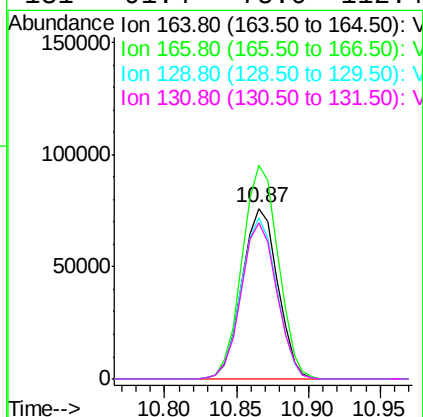
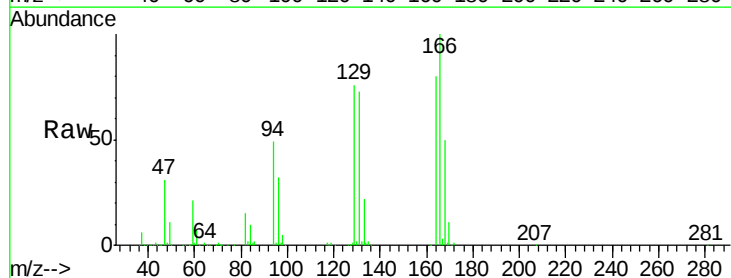
Instrument :  
MSVOA\_W  
ClientSampleId :  
ICVW061318

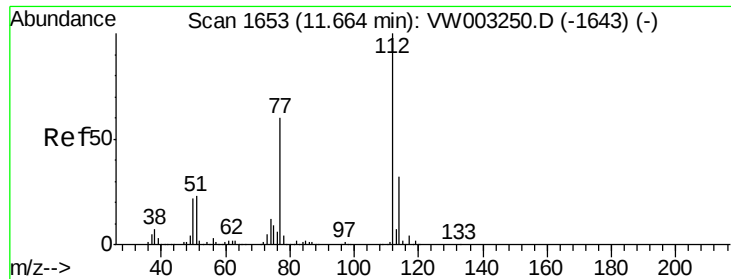
Tgt Ion:117 Resp: 410814  
Ion Ratio Lower Upper  
117 100  
82 54.8 44.6 67.0  
119 31.3 26.7 40.1



#64  
Tetrachloroethene  
Concen: 47.80 ug/l  
RT: 10.87 min Scan# 1522  
Delta R.T. -0.00 min  
Lab File: VW003254.D  
Acq: 13 Jun 2018 19:33

Tgt Ion:164 Resp: 131348  
Ion Ratio Lower Upper  
164 100  
166 125.4 102.6 154.0  
129 95.1 75.2 112.8  
131 91.4 75.0 112.4

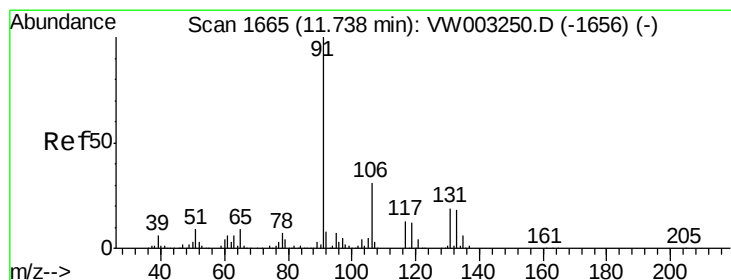
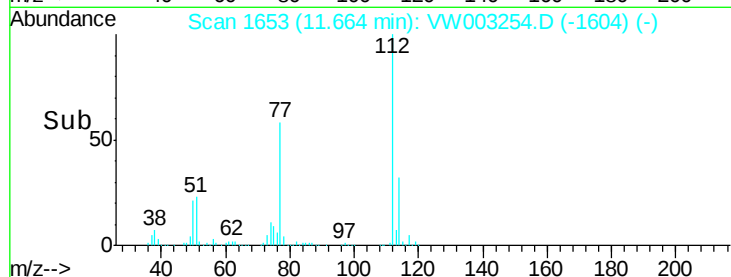
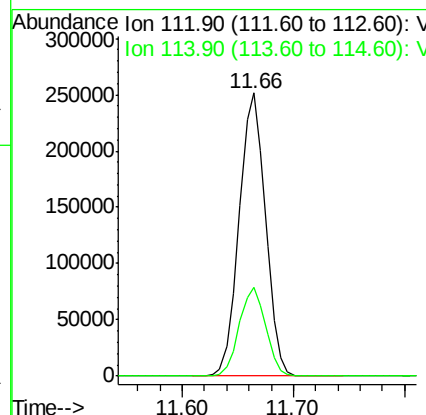
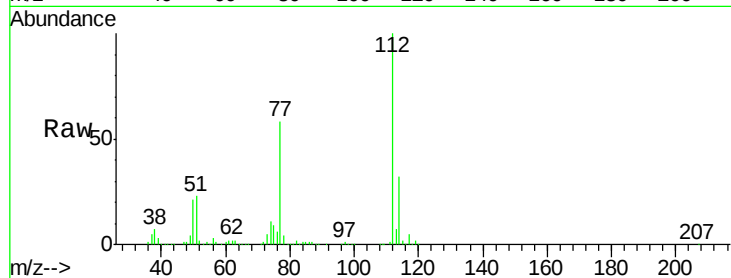




#65  
Chlorobenzene  
Concen: 48.13 ug/l  
RT: 11.66 min Scan# 1653  
Delta R.T. -0.00 min  
Lab File: VW003254.D  
Acq: 13 Jun 2018 19:33

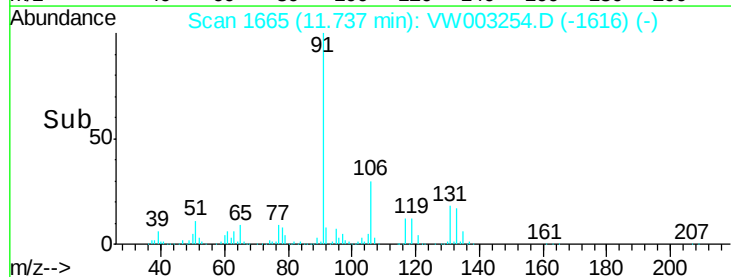
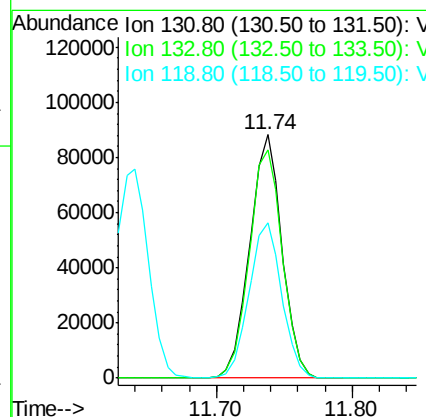
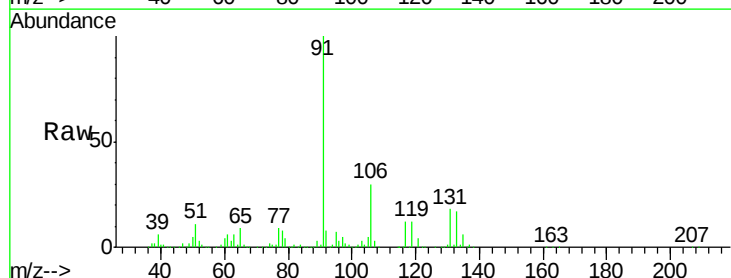
Instrument :  
MSVOA\_W  
ClientSampleId :  
ICVW061318

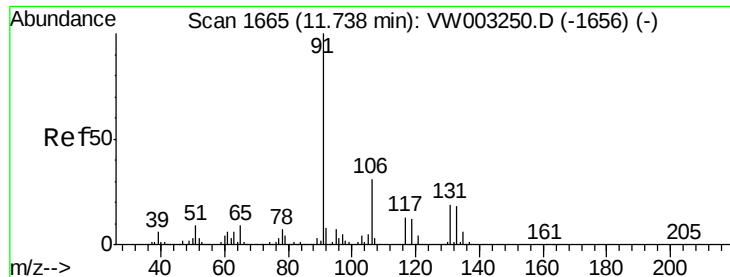
Tgt Ion:112 Resp: 411727  
Ion Ratio Lower Upper  
112 100  
114 31.6 25.9 38.9



#66  
1,1,1,2-Tetrachloroethane  
Concen: 48.61 ug/l  
RT: 11.74 min Scan# 1665  
Delta R.T. -0.00 min  
Lab File: VW003254.D  
Acq: 13 Jun 2018 19:33

Tgt Ion:131 Resp: 146149  
Ion Ratio Lower Upper  
131 100  
133 96.5 47.3 142.0  
119 64.9 32.5 97.4

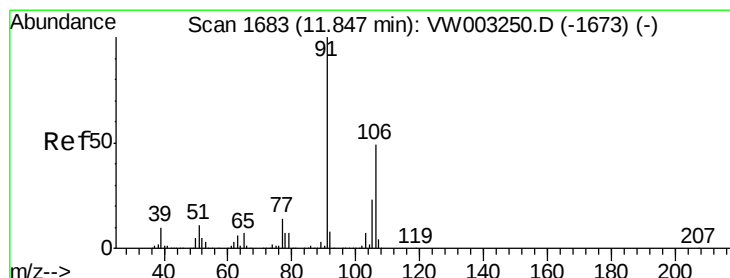
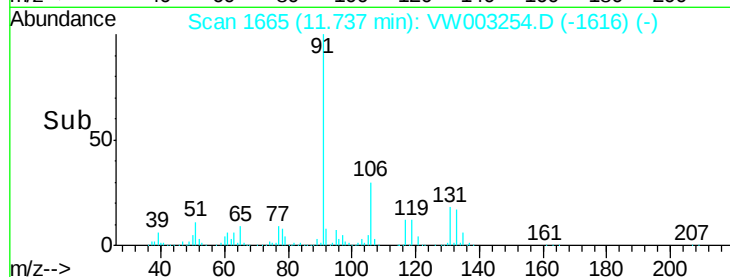
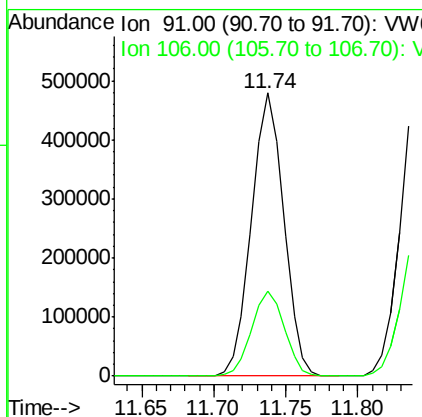
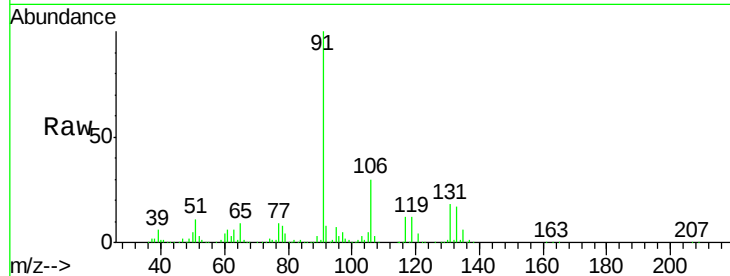




#67  
Ethyl Benzene  
Concen: 49.07 ug/l  
RT: 11.74 min Scan# 1665  
Delta R.T. -0.00 min  
Lab File: VW003254.D  
Acq: 13 Jun 2018 19:33

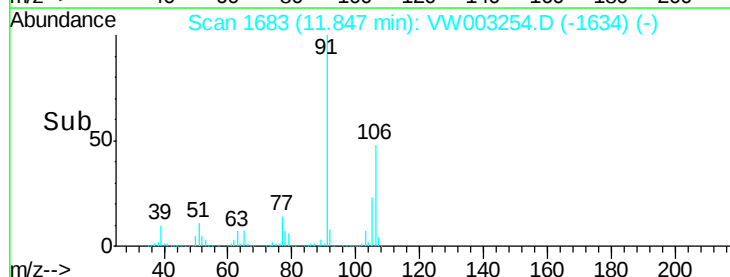
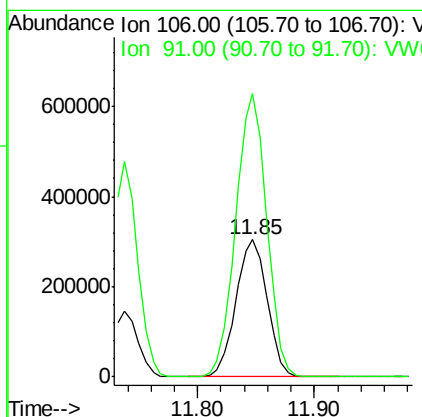
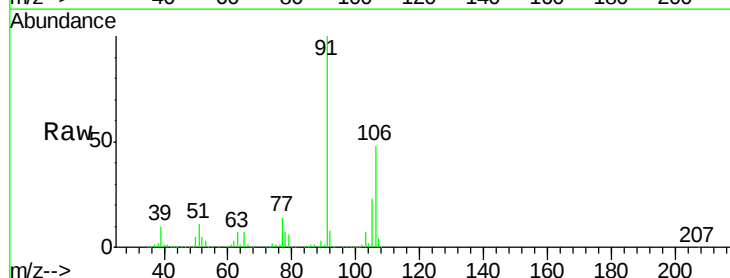
Instrument :  
MSVOA\_W  
ClientSampleId :  
ICVW061318

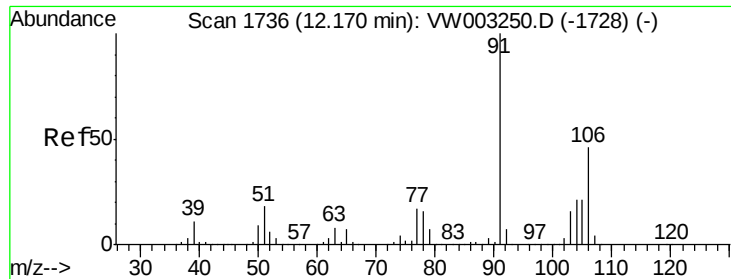
Tgt Ion: 91 Resp: 744099  
Ion Ratio Lower Upper  
91 100  
106 30.2 24.7 37.1



#68  
m/p-Xylenes  
Concen: 98.67 ug/l  
RT: 11.85 min Scan# 1683  
Delta R.T. -0.00 min  
Lab File: VW003254.D  
Acq: 13 Jun 2018 19:33

Tgt Ion: 106 Resp: 568783  
Ion Ratio Lower Upper  
106 100  
91 204.0 165.4 248.0

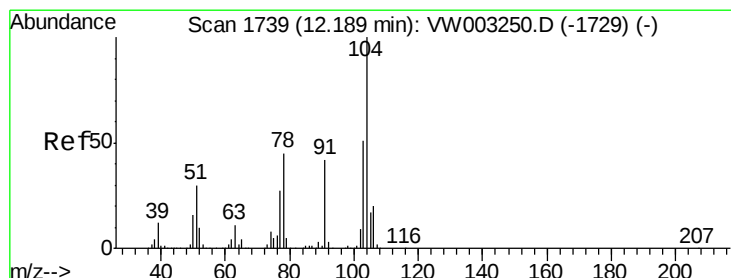
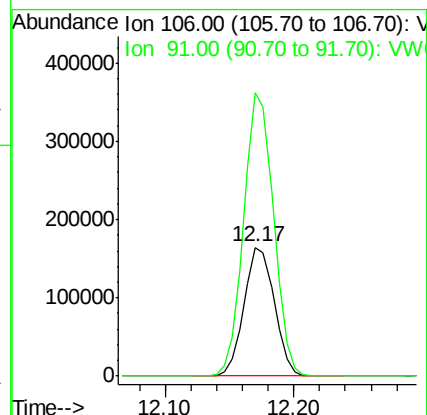
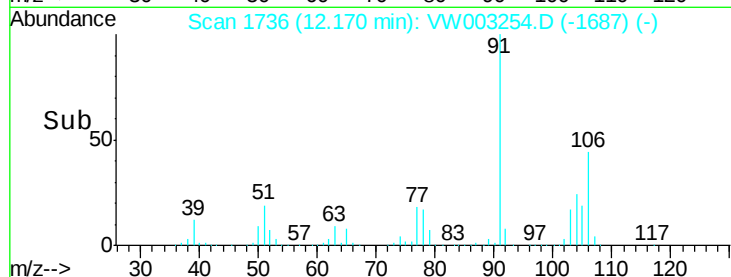
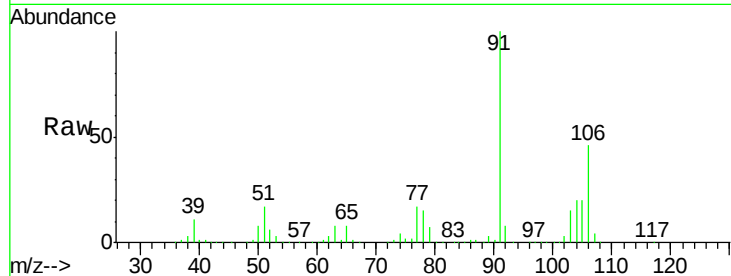




#69  
o-Xylene  
Concen: 50.03 ug/l  
RT: 12.17 min Scan# 1736  
Delta R.T. -0.00 min  
Lab File: VW003254.D  
Acq: 13 Jun 2018 19:33

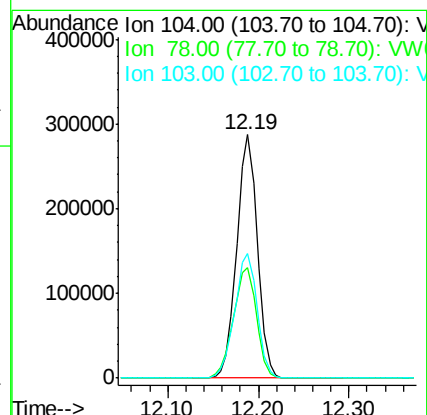
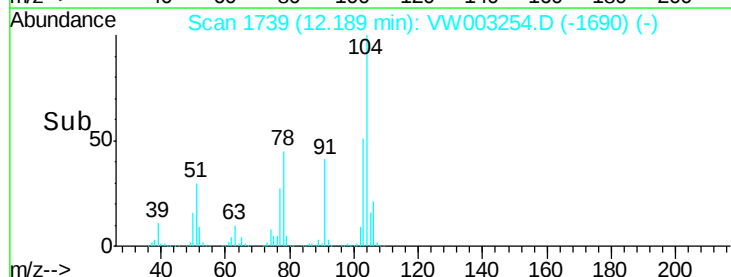
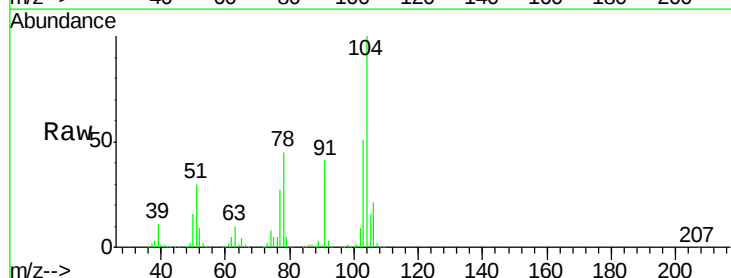
Instrument :  
MSVOA\_W  
ClientSampleId :  
ICVW061318

Tgt Ion:106 Resp: 267306  
Ion Ratio Lower Upper  
106 100  
91 217.0 108.6 325.6



#70  
Styrene  
Concen: 51.10 ug/l  
RT: 12.19 min Scan# 1739  
Delta R.T. -0.00 min  
Lab File: VW003254.D  
Acq: 13 Jun 2018 19:33

Tgt Ion:104 Resp: 454392  
Ion Ratio Lower Upper  
104 100  
78 50.9 41.3 61.9  
103 55.7 45.0 67.4





#71

Bromoform

Concen: 50.63 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Instrument :

MSVOA\_W

ClientSampleId :

ICVW061318

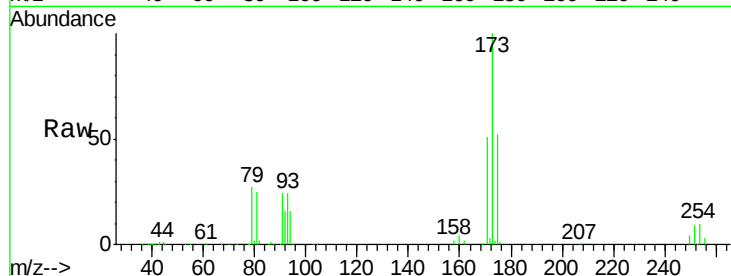
Tgt Ion:173 Resp: 78886

Ion Ratio Lower Upper

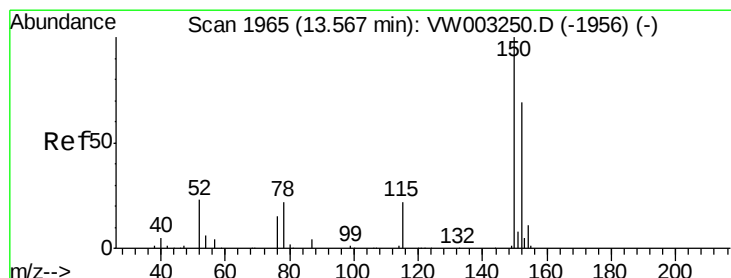
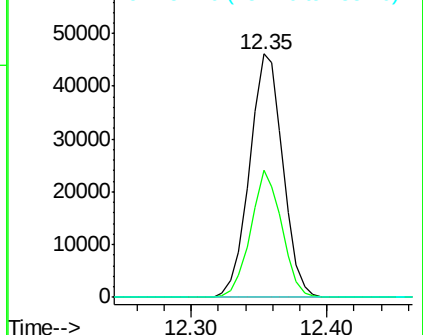
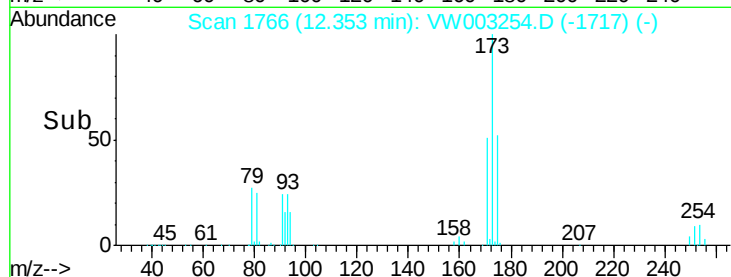
173 100

175 48.9 24.4 73.4

254 0.1 0.1 0.1



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: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

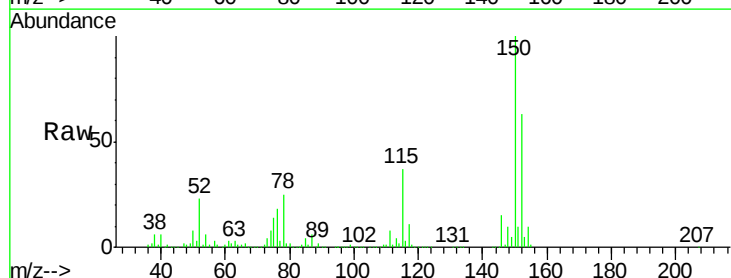
Tgt Ion:152 Resp: 218050

Ion Ratio Lower Upper

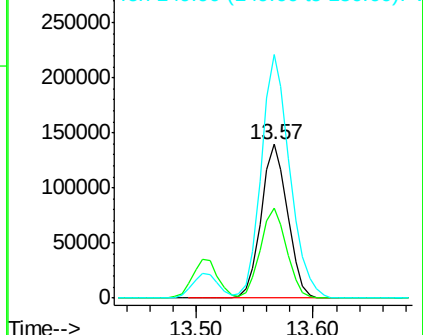
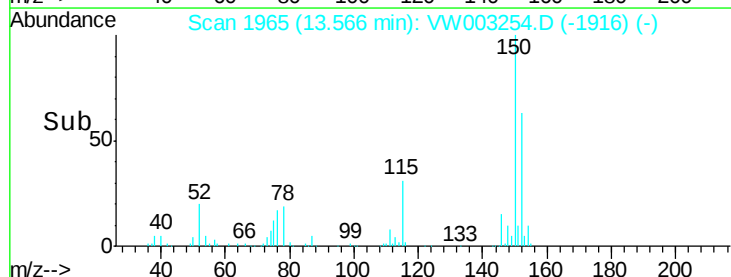
152 100

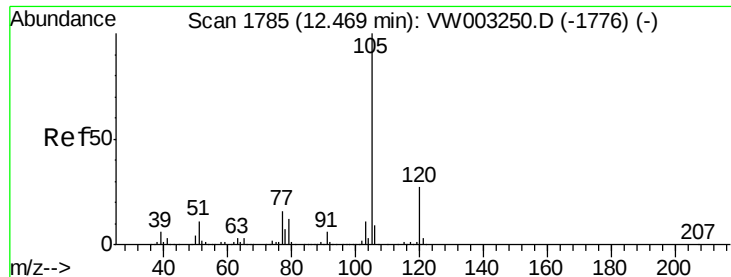
115 58.3 29.3 88.0

150 171.8 0.0 349.6



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: 49.31 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. 0.01 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Instrument :

MSVOA\_W

ClientSampleId :

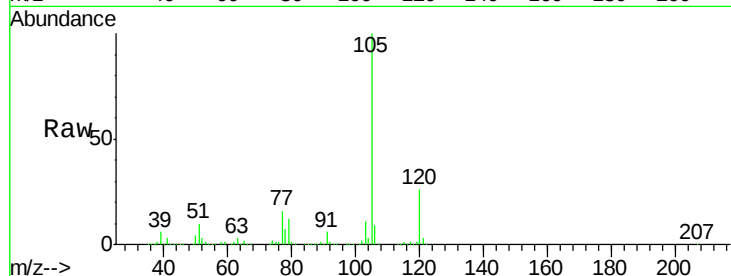
ICVW061318

Tgt Ion:105 Resp: 747901

Ion Ratio Lower Upper

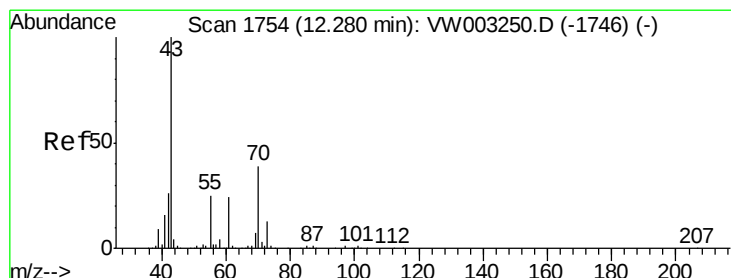
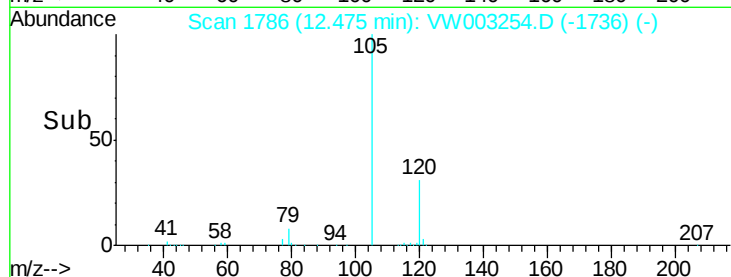
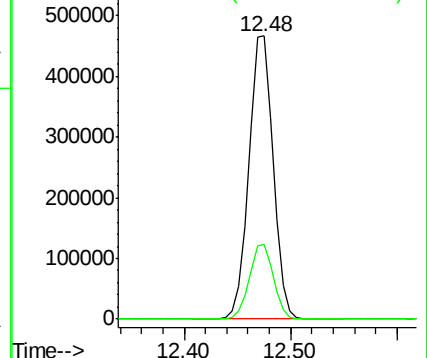
105 100

120 26.2 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.22 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Tgt Ion: 43 Resp: 180262

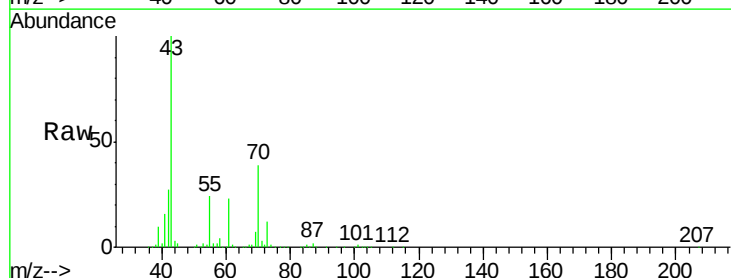
Ion Ratio Lower Upper

43 100

70 38.7 31.0 46.6

55 24.3 19.7 29.5

61 22.4 18.1 27.1

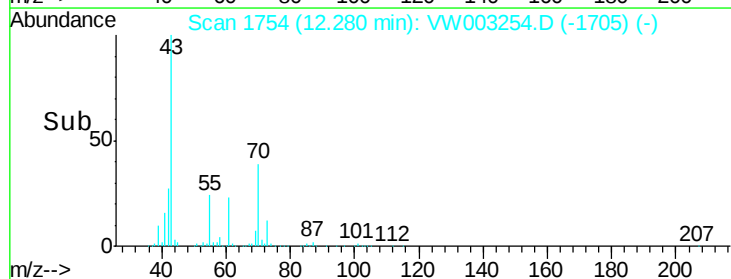
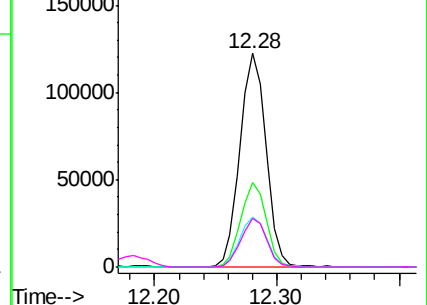


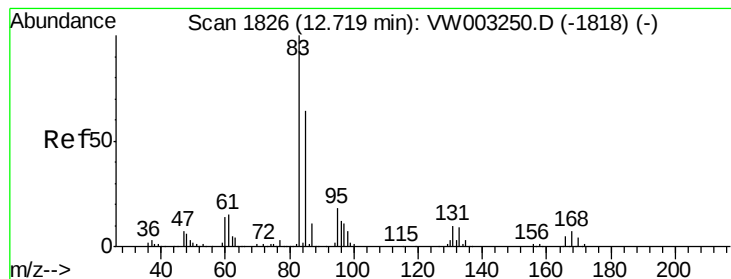
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 50.90 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Instrument :

MSVOA\_W

ClientSampleId :

ICVW061318

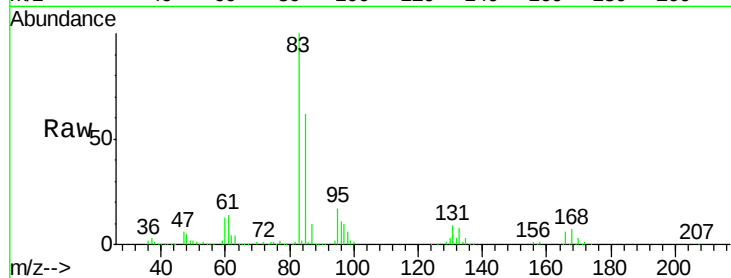
Tgt Ion: 83 Resp: 130594

Ion Ratio Lower Upper

83 100

131 10.6 5.4 16.2

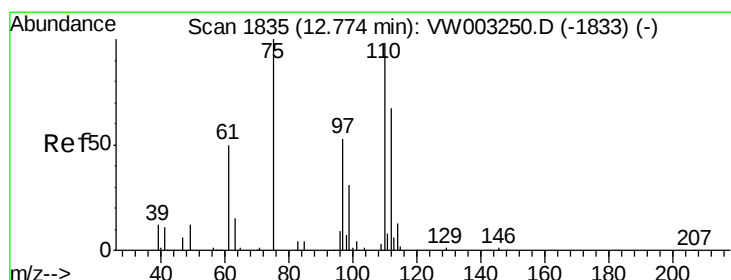
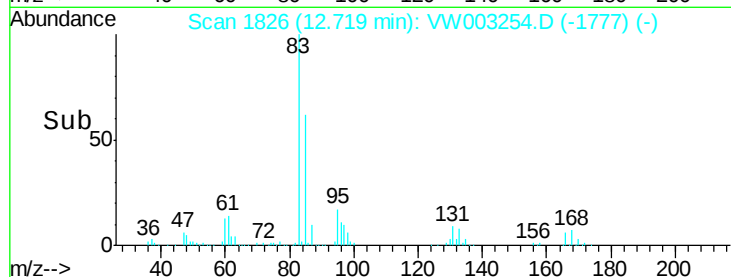
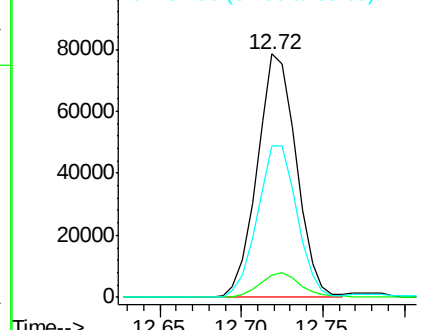
85 63.2 31.9 95.7



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: 95.03 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW003254.D

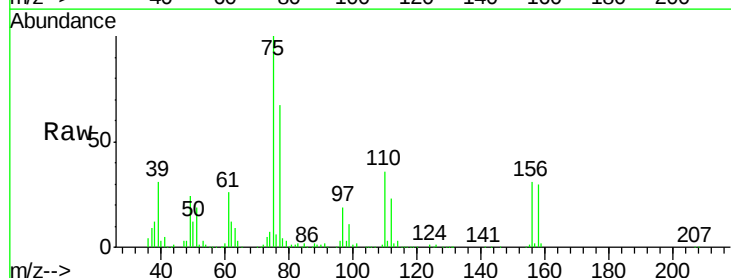
Acq: 13 Jun 2018 19:33

Tgt Ion: 75 Resp: 177142

Ion Ratio Lower Upper

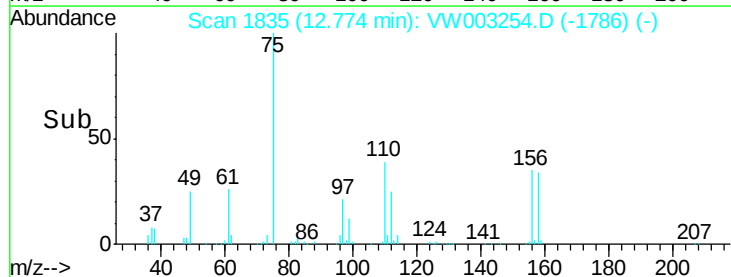
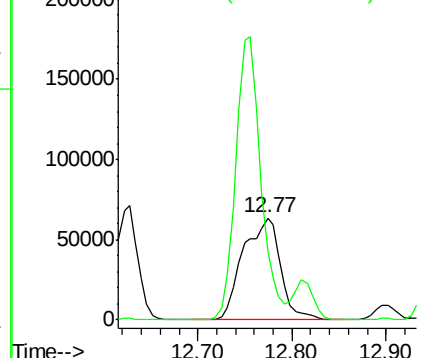
75 100

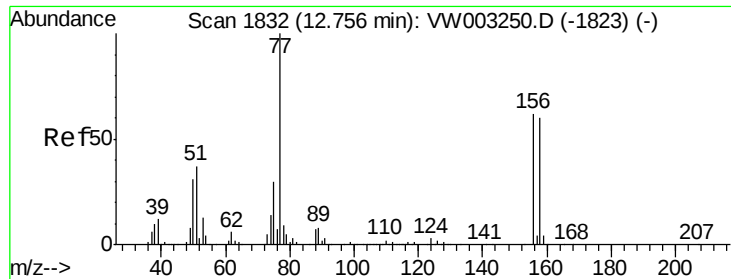
77 184.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

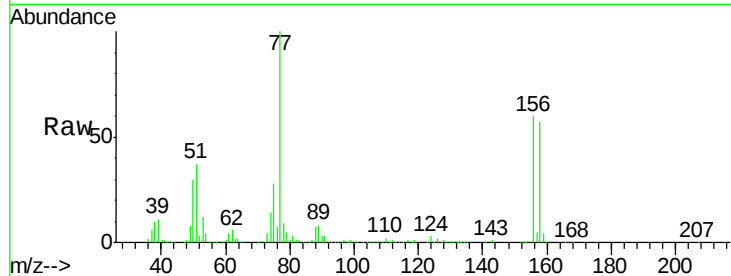




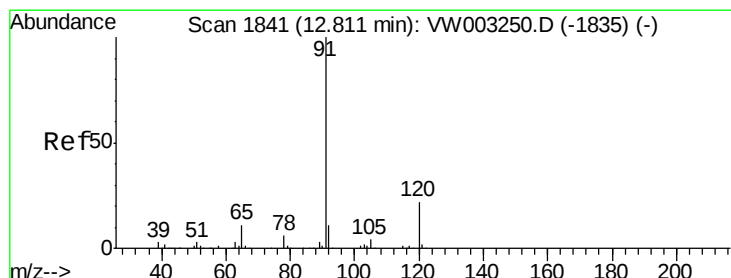
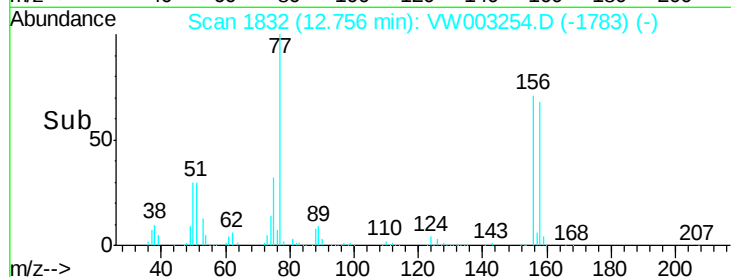
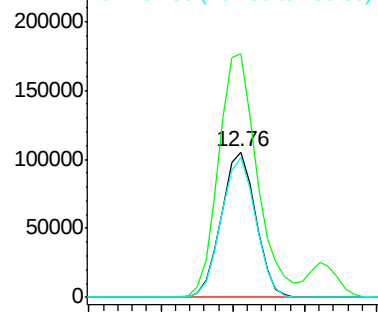
#77  
Bromobenzene  
Concen: 49.16 ug/l  
RT: 12.76 min Scan# 1832  
Delta R.T. -0.00 min  
Lab File: VW003254.D  
Acq: 13 Jun 2018 19:33

Instrument :  
MSVOA\_W  
ClientSampleId :  
ICVW061318

Tgt Ion:156 Resp: 173643  
Ion Ratio Lower Upper  
156 100  
77 188.0 92.3 276.9  
158 96.3 47.5 142.6

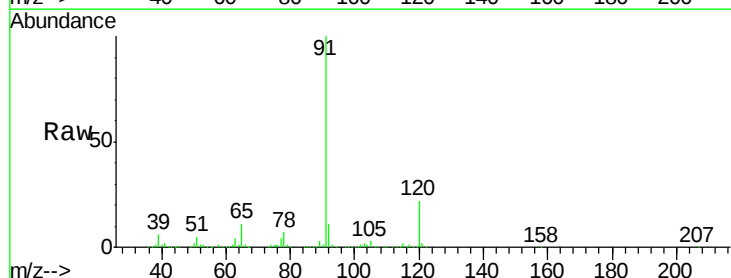


Abundance Ion 155.80 (155.50 to 156.50): V  
Ion 77.00 (76.70 to 77.70): VW  
Ion 157.80 (157.50 to 158.50): V

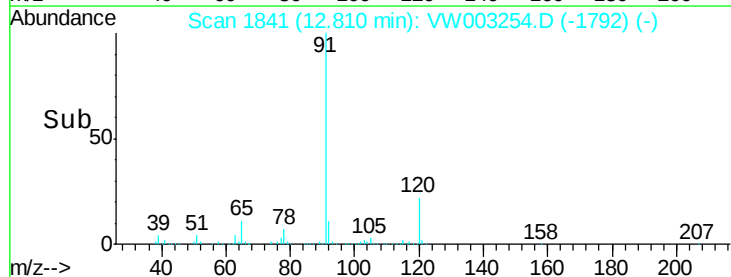
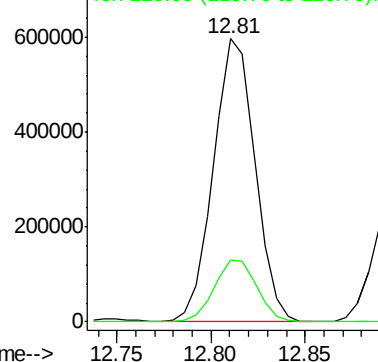


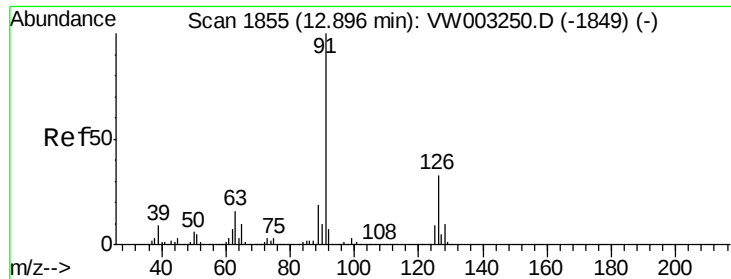
#78  
n-propylbenzene  
Concen: 49.27 ug/l  
RT: 12.81 min Scan# 1841  
Delta R.T. -0.00 min  
Lab File: VW003254.D  
Acq: 13 Jun 2018 19:33

Tgt Ion: 91 Resp: 914957  
Ion Ratio Lower Upper  
91 100  
120 22.4 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW  
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.04 ug/l

RT: 12.90 min Scan# 1856

Delta R.T. 0.01 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Instrument :

MSVOA\_W

ClientSampleId :

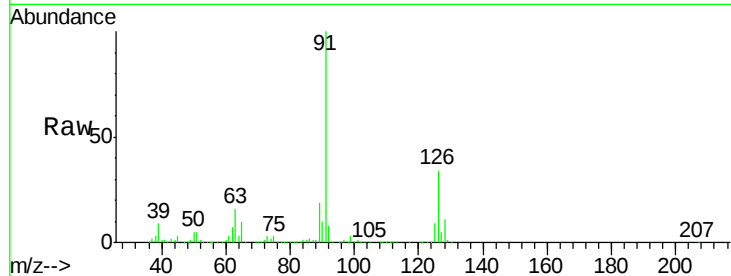
ICVW061318

Tgt Ion: 91 Resp: 514678

Ion Ratio Lower Upper

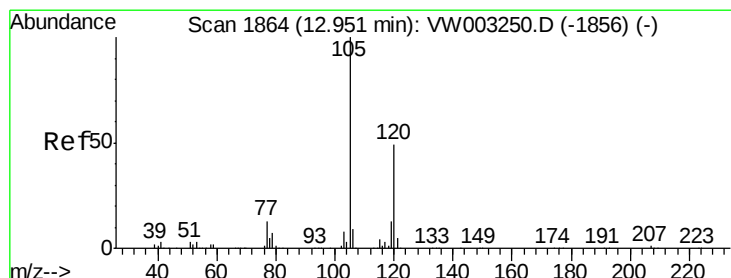
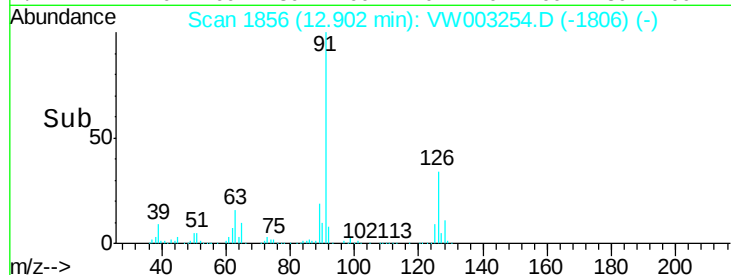
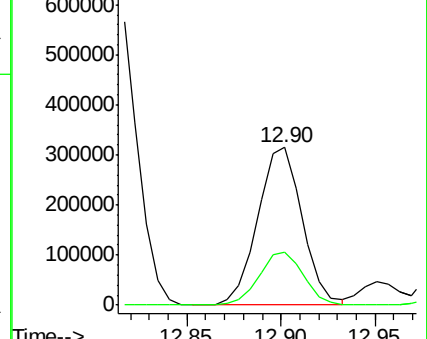
91 100

126 33.7 16.8 50.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 49.95 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW003254.D

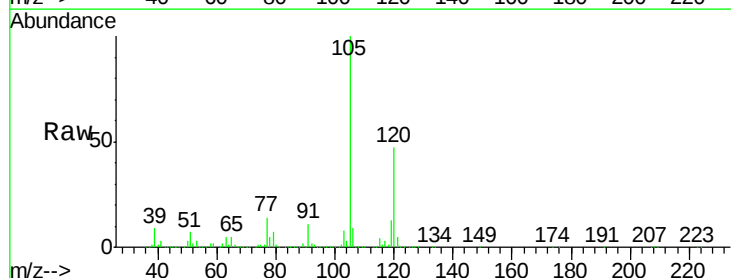
Acq: 13 Jun 2018 19:33

Tgt Ion:105 Resp: 635840

Ion Ratio Lower Upper

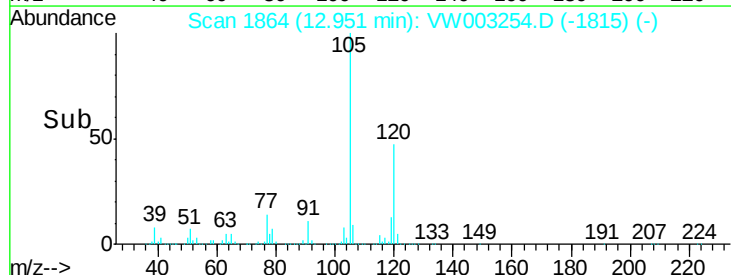
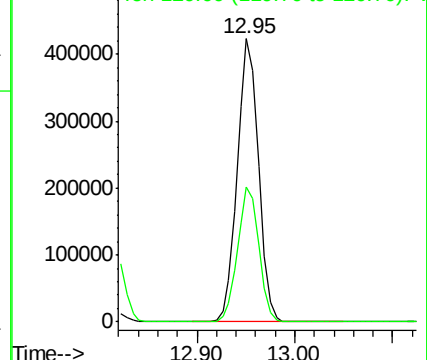
105 100

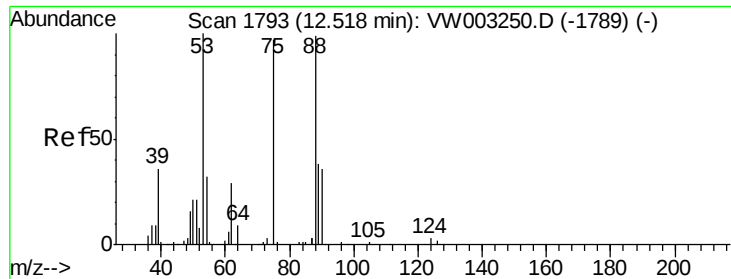
120 47.8 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

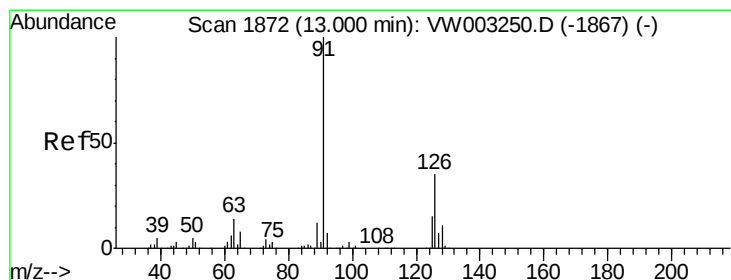
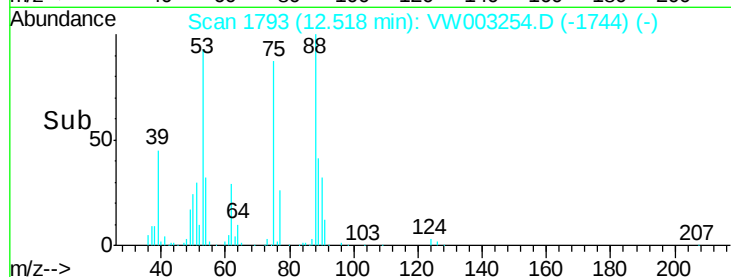
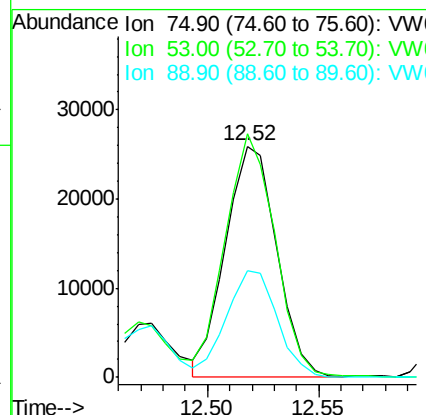
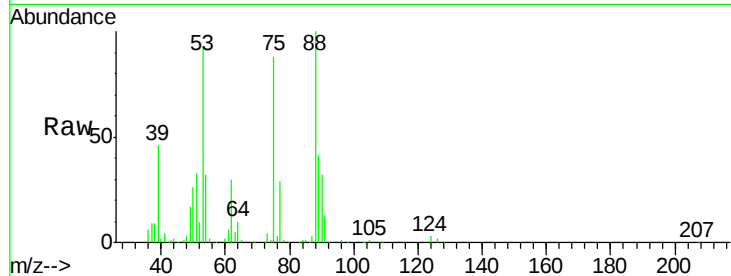




#81  
trans-1,4-Dichloro-2-butene  
Concen: 50.90 ug/l  
RT: 12.52 min Scan# 1793  
Delta R.T. -0.00 min  
Lab File: VW003254.D  
Acq: 13 Jun 2018 19:33

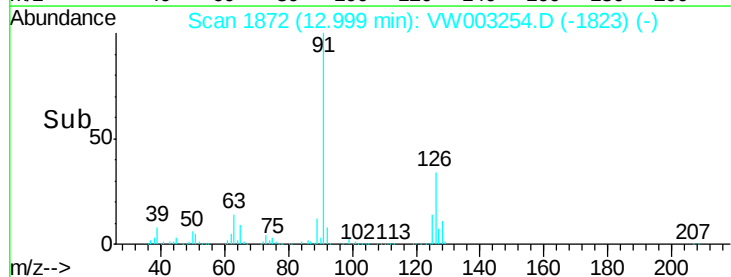
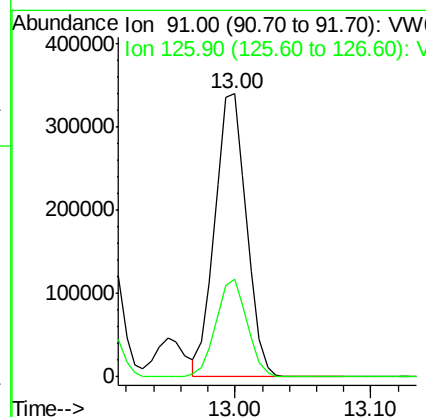
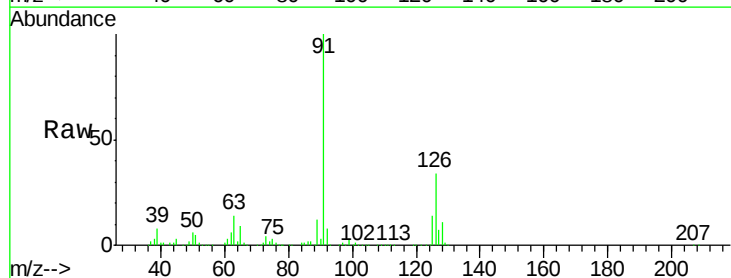
Instrument :  
MSVOA\_W  
ClientSampleId :  
ICVW061318

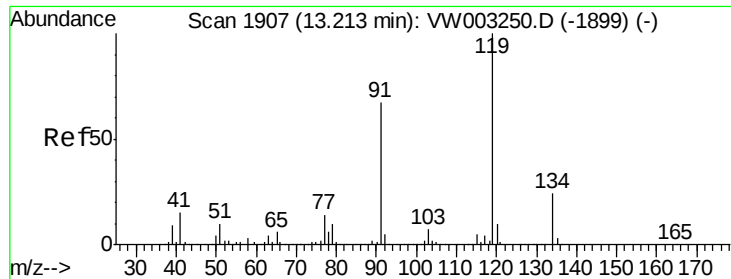
Tgt Ion: 75 Resp: 41232  
Ion Ratio Lower Upper  
75 100  
53 103.3 82.9 124.3  
89 46.4 36.7 55.1



#82  
4-Chlorotoluene  
Concen: 48.96 ug/l  
RT: 13.00 min Scan# 1872  
Delta R.T. -0.00 min  
Lab File: VW003254.D  
Acq: 13 Jun 2018 19:33

Tgt Ion: 91 Resp: 545043  
Ion Ratio Lower Upper  
91 100  
126 34.0 16.8 50.3

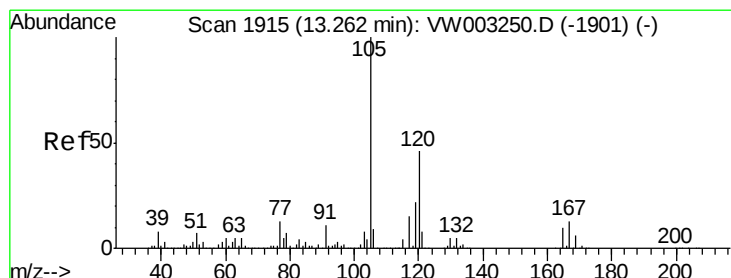
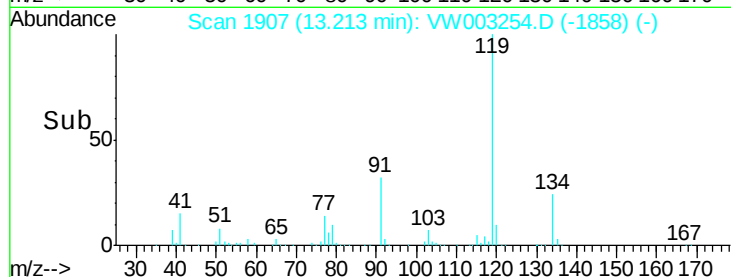
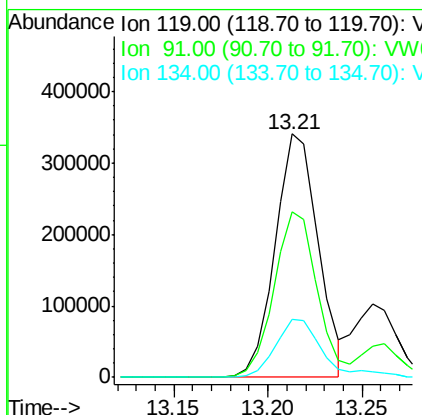
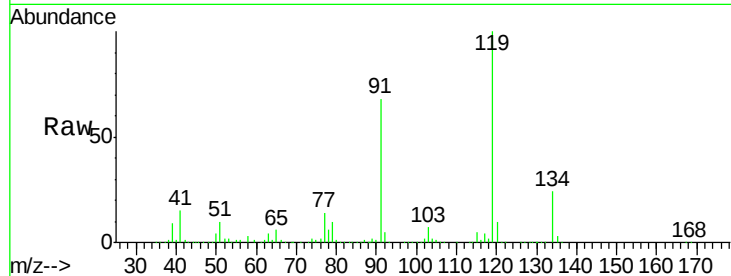




#83  
tert-Butylbenzene  
Concen: 49.68 ug/l  
RT: 13.21 min Scan# 1907  
Delta R.T. -0.00 min  
Lab File: VW003254.D  
Acq: 13 Jun 2018 19:33

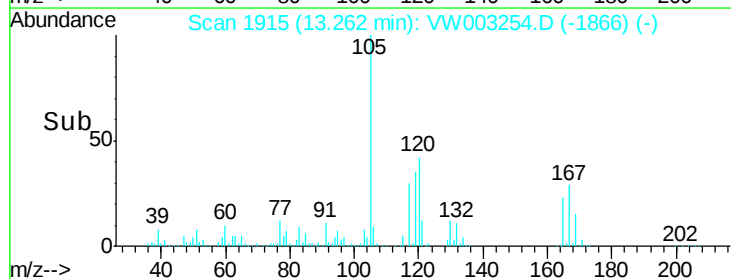
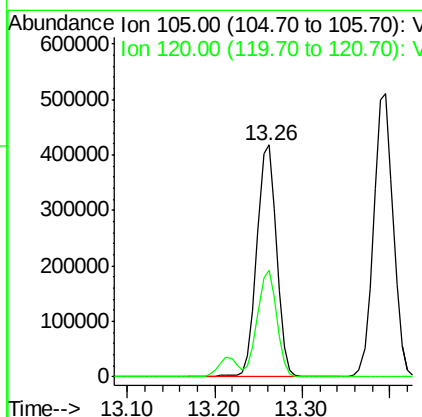
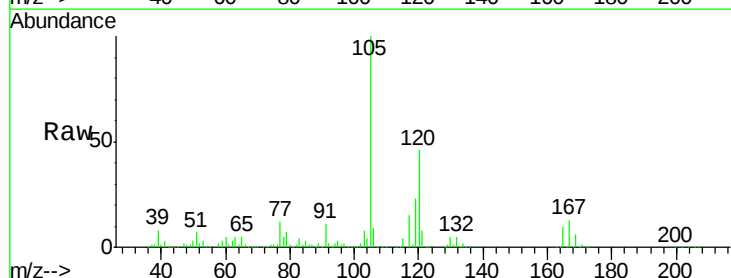
Instrument :  
MSVOA\_W  
ClientSampleId :  
ICVW061318

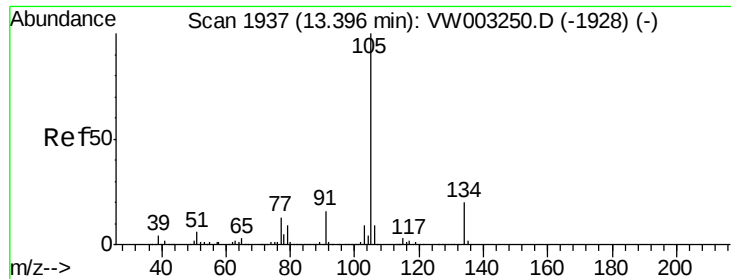
Tgt Ion:119 Resp: 538994  
Ion Ratio Lower Upper  
119 100  
91 68.2 33.9 101.7  
134 26.4 13.4 40.1



#84  
1,2,4-Trimethylbenzene  
Concen: 49.85 ug/l  
RT: 13.26 min Scan# 1915  
Delta R.T. -0.00 min  
Lab File: VW003254.D  
Acq: 13 Jun 2018 19:33

Tgt Ion:105 Resp: 652825  
Ion Ratio Lower Upper  
105 100  
120 44.9 22.5 67.5

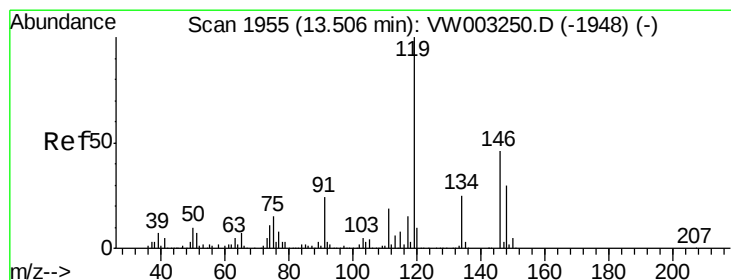
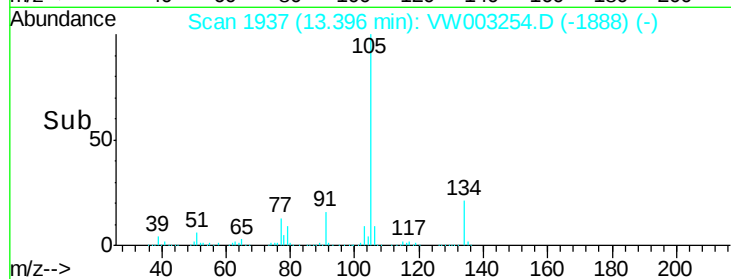
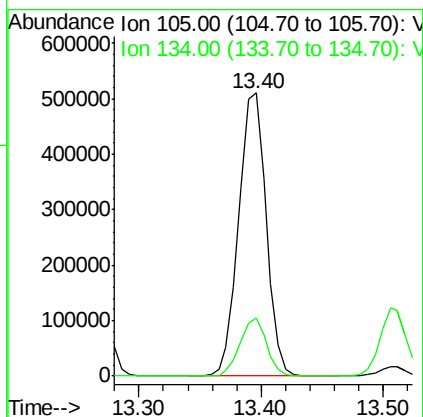
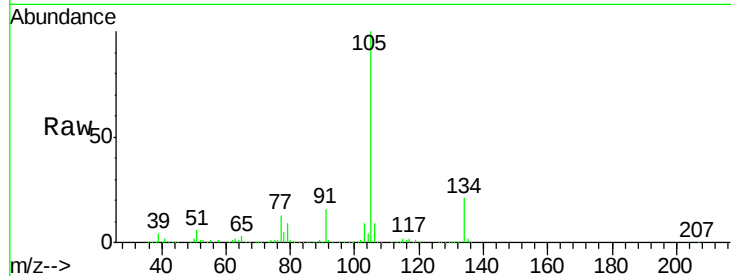




#85  
 sec-Butylbenzene  
 Concen: 49.23 ug/l  
 RT: 13.40 min Scan# 1937  
 Delta R.T. -0.00 min  
 Lab File: VW003254.D  
 Acq: 13 Jun 2018 19:33

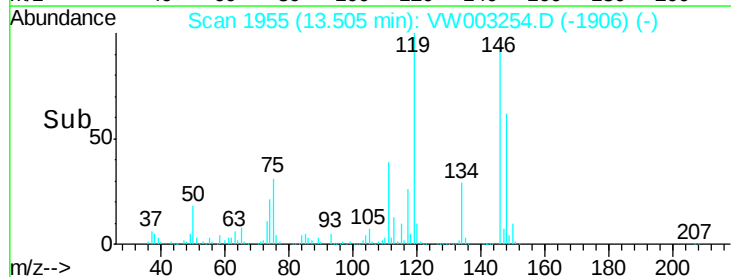
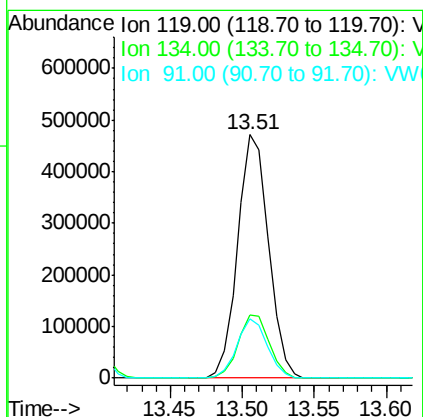
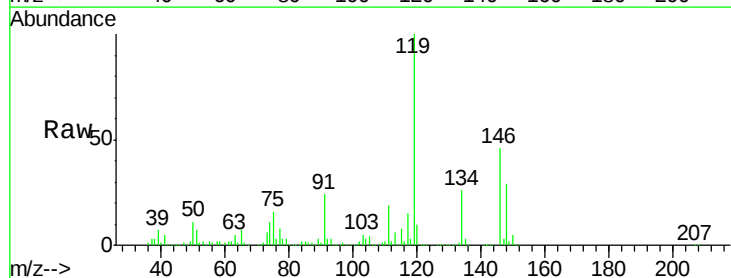
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 ICVVW061318

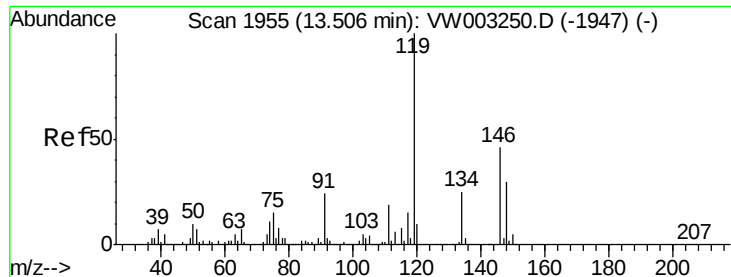
Tgt Ion:105 Resp: 793904  
 Ion Ratio Lower Upper  
 105 100  
 134 19.9 9.8 29.5



#86  
 p-Isopropyltoluene  
 Concen: 49.29 ug/l  
 RT: 13.51 min Scan# 1955  
 Delta R.T. -0.00 min  
 Lab File: VW003254.D  
 Acq: 13 Jun 2018 19:33

Tgt Ion:119 Resp: 701011  
 Ion Ratio Lower Upper  
 119 100  
 134 26.3 12.9 38.7  
 91 23.9 11.8 35.3

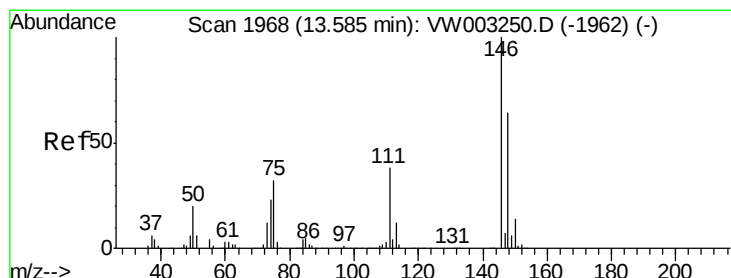
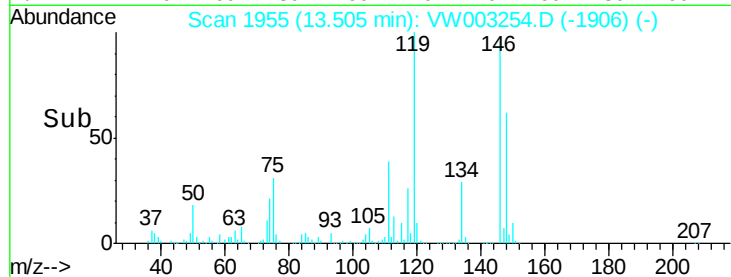
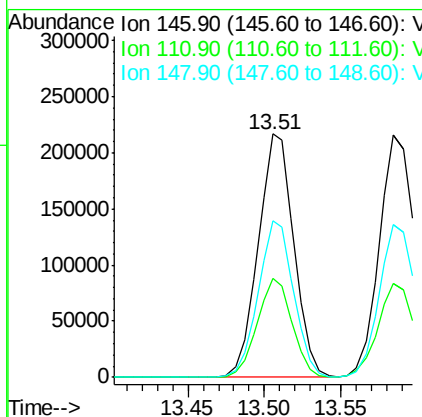
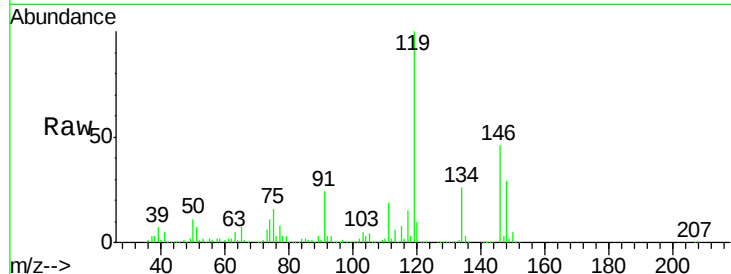




#87  
 1,3-Dichlorobenzene  
 Concen: 48.43 ug/l  
 RT: 13.51 min Scan# 1955  
 Delta R.T. -0.00 min  
 Lab File: VW003254.D  
 Acq: 13 Jun 2018 19:33

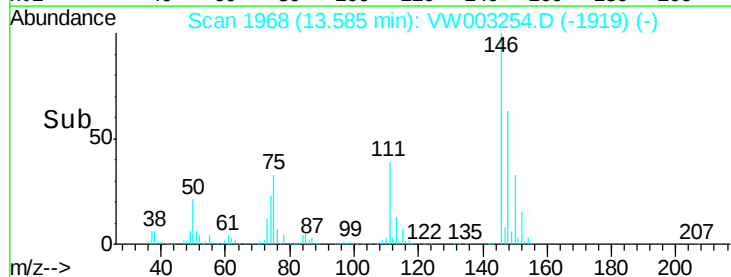
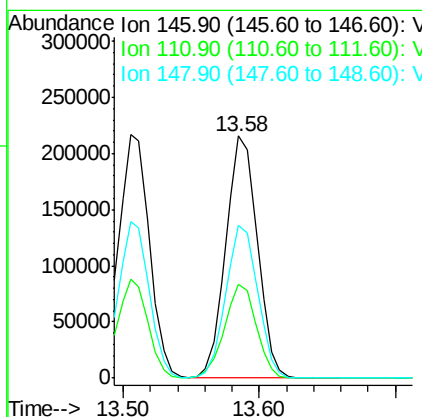
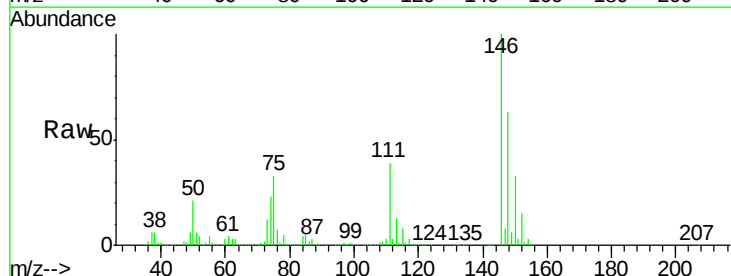
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 ClientSampleId :  
 ICVVW061318

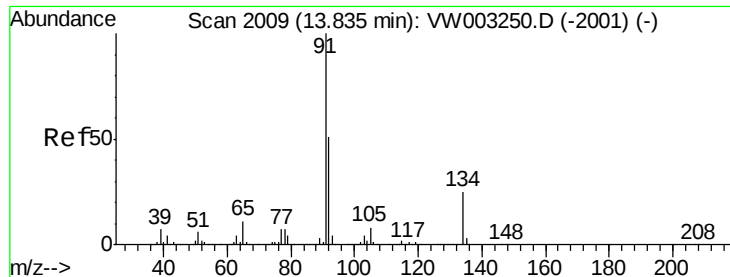
Tgt Ion:146 Resp: 351390  
 Ion Ratio Lower Upper  
 146 100  
 111 39.9 19.8 59.4  
 148 63.8 32.1 96.5



#88  
 1,4-Dichlorobenzene  
 Concen: 48.36 ug/l  
 RT: 13.58 min Scan# 1968  
 Delta R.T. -0.00 min  
 Lab File: VW003254.D  
 Acq: 13 Jun 2018 19:33

Tgt Ion:146 Resp: 348849  
 Ion Ratio Lower Upper  
 146 100  
 111 39.0 19.2 57.6  
 148 63.8 31.8 95.4

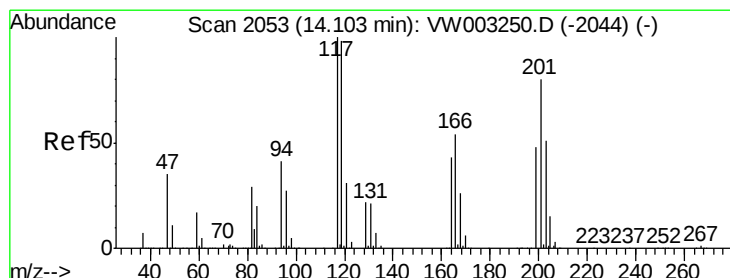
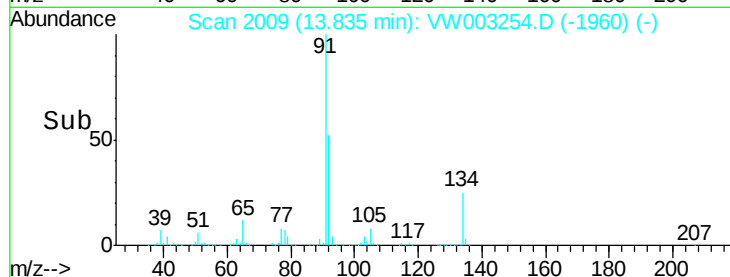
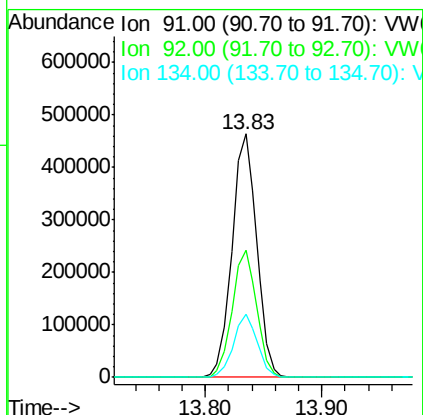
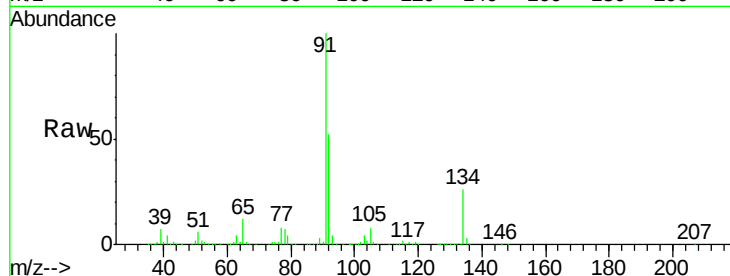




#89  
n-Butylbenzene  
Concen: 49.31 ug/l  
RT: 13.83 min Scan# 2009  
Delta R.T. -0.00 min  
Lab File: VW003254.D  
Acq: 13 Jun 2018 19:33

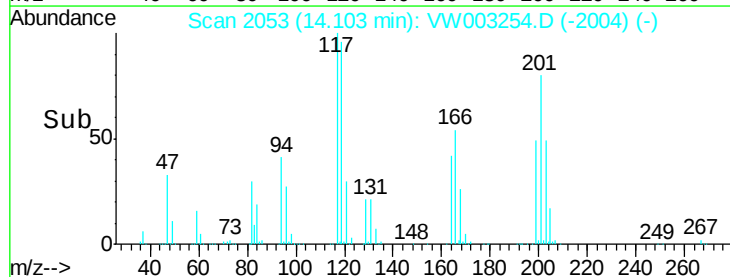
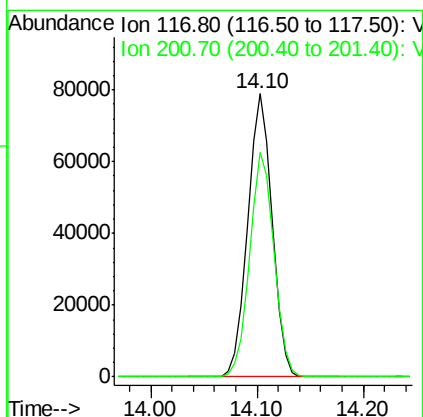
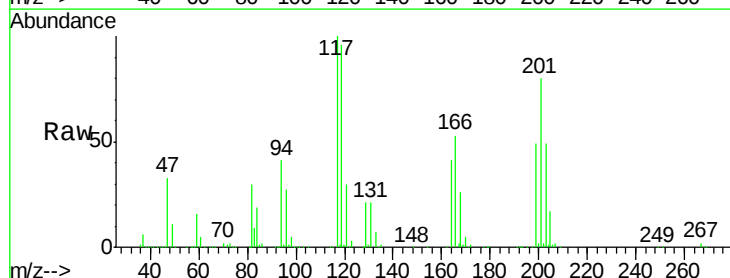
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MSVOA\_W  
ClientSampleId :  
ICVW061318

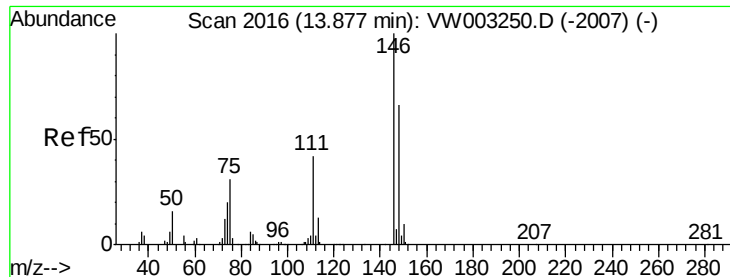
Tgt Ion: 91 Resp: 683654  
Ion Ratio Lower Upper  
91 100  
92 51.7 26.0 78.0  
134 25.1 12.7 38.0



#90  
Hexachloroethane  
Concen: 49.51 ug/l  
RT: 14.10 min Scan# 2053  
Delta R.T. -0.00 min  
Lab File: VW003254.D  
Acq: 13 Jun 2018 19:33

Tgt Ion: 117 Resp: 127386  
Ion Ratio Lower Upper  
117 100  
201 79.1 39.5 118.5

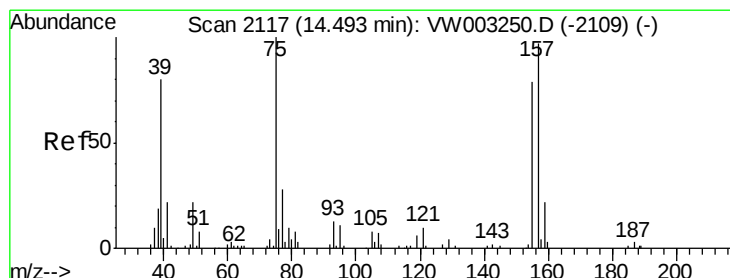
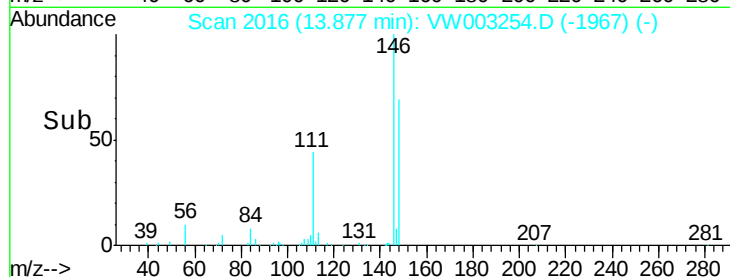
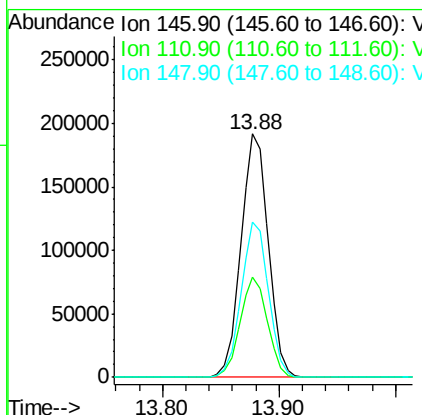
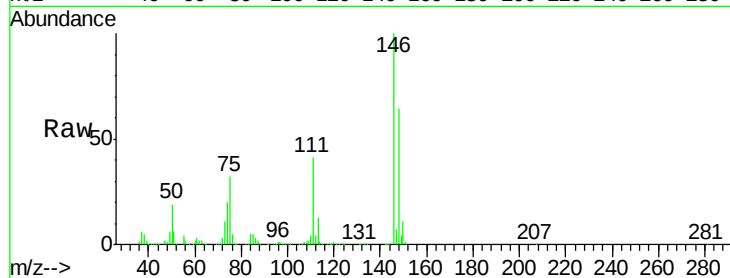




#91  
 1,2-Dichlorobenzene  
 Concen: 49.22 ug/l  
 RT: 13.88 min Scan# 2016  
 Delta R.T. -0.00 min  
 Lab File: VW003254.D  
 Acq: 13 Jun 2018 19:33

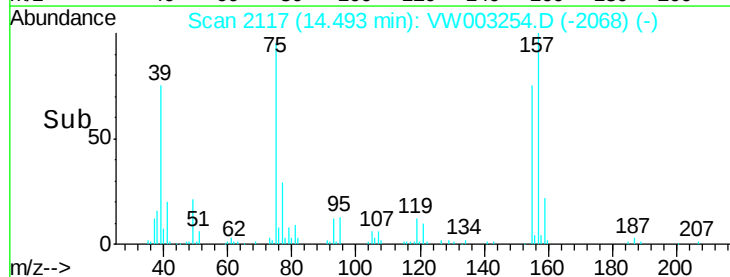
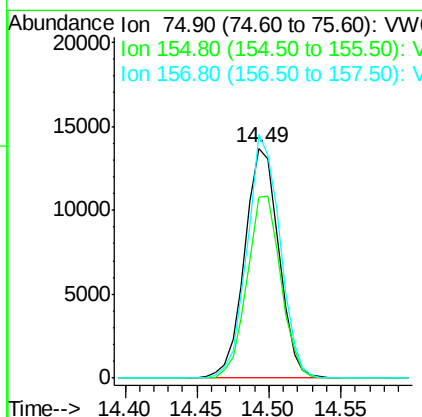
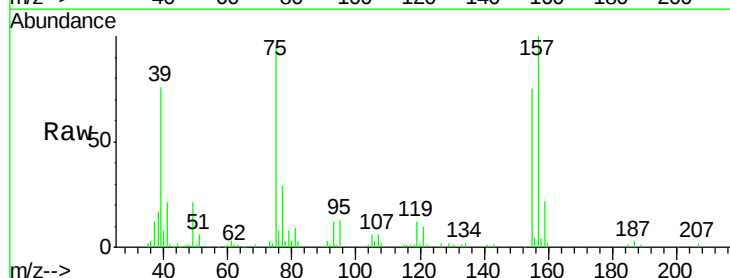
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 ICVVW061318

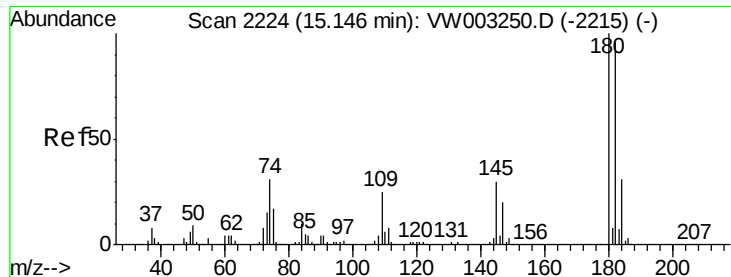
Tgt Ion: 146 Resp: 312821  
 Ion Ratio Lower Upper  
 146 100  
 111 41.1 20.3 61.0  
 148 63.6 32.3 96.9



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 51.87 ug/l  
 RT: 14.49 min Scan# 2117  
 Delta R.T. -0.00 min  
 Lab File: VW003254.D  
 Acq: 13 Jun 2018 19:33

Tgt Ion: 75 Resp: 22399  
 Ion Ratio Lower Upper  
 75 100  
 155 78.1 39.4 118.2  
 157 101.5 51.5 154.5

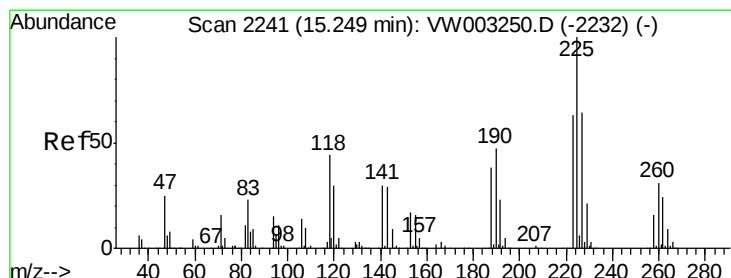
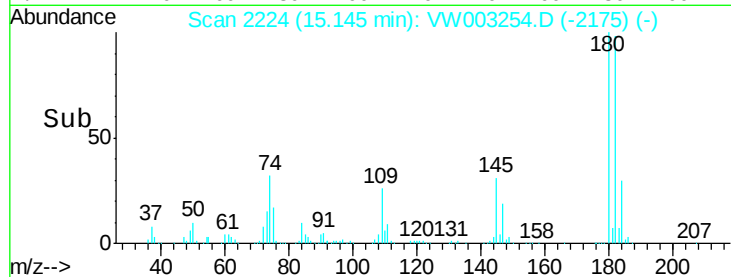
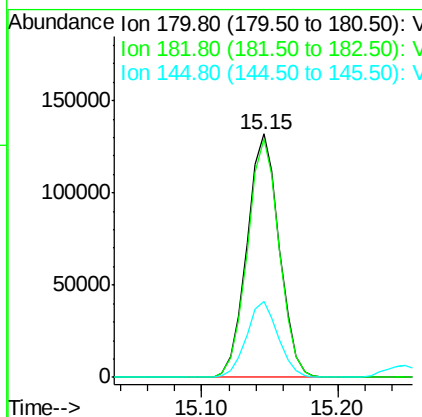
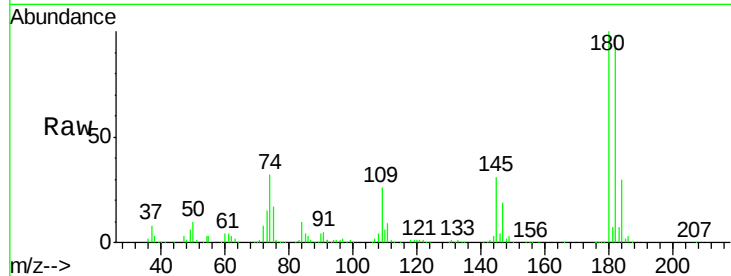




#93  
 1,2,4-Trichlorobenzene  
 Concen: 49.07 ug/l  
 RT: 15.15 min Scan# 2224  
 Delta R.T. -0.00 min  
 Lab File: VW003254.D  
 Acq: 13 Jun 2018 19:33

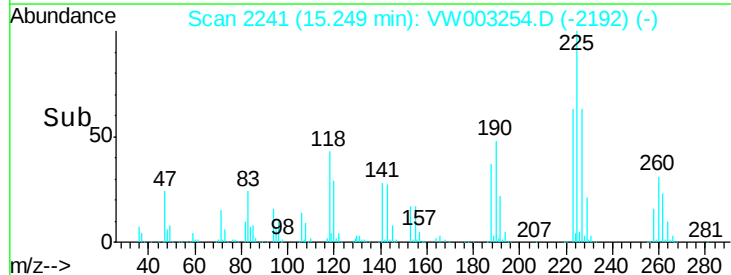
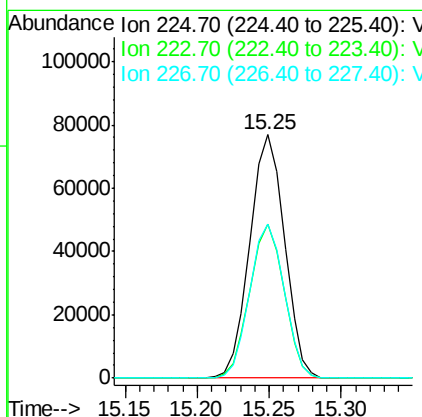
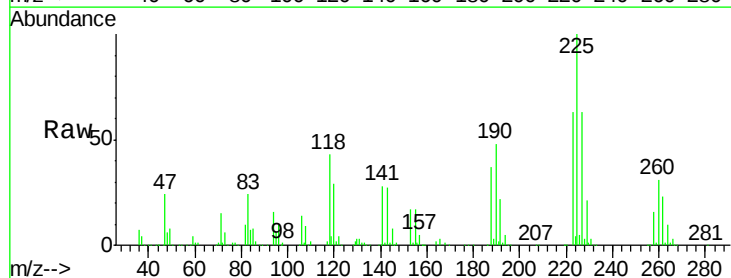
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 ICVVW061318

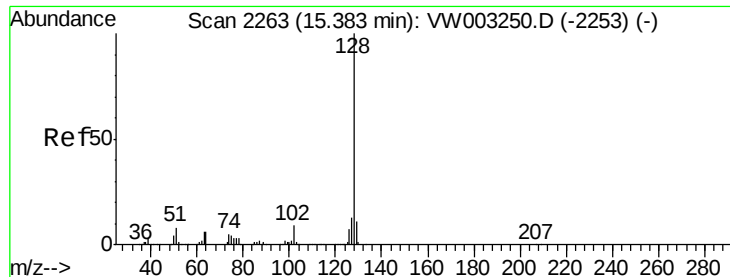
Tgt Ion:180 Resp: 218968  
 Ion Ratio Lower Upper  
 180 100  
 182 96.5 47.9 143.6  
 145 30.7 15.2 45.5



#94  
 Hexachlorobutadiene  
 Concen: 47.78 ug/l  
 RT: 15.25 min Scan# 2241  
 Delta R.T. -0.00 min  
 Lab File: VW003254.D  
 Acq: 13 Jun 2018 19:33

Tgt Ion:225 Resp: 128244  
 Ion Ratio Lower Upper  
 225 100  
 223 62.8 30.6 92.0  
 227 63.0 31.7 95.1

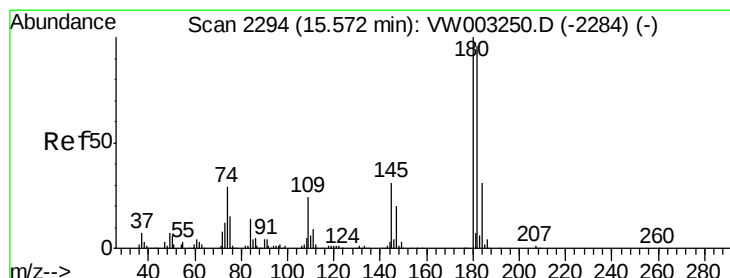
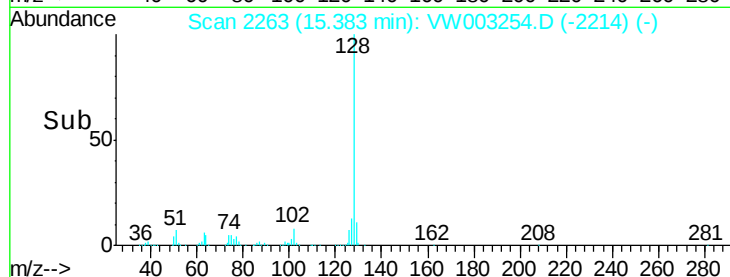
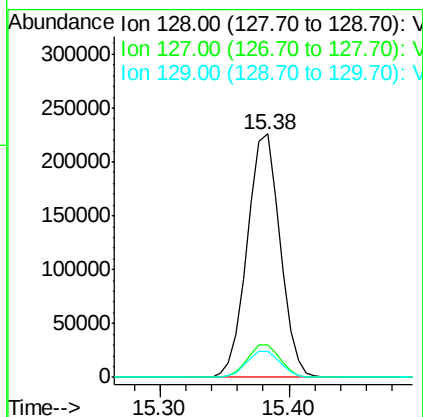
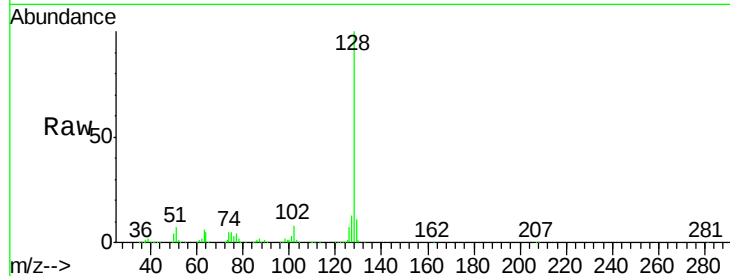




#95  
Naphthalene  
Concen: 52.48 ug/l  
RT: 15.38 min Scan# 2263  
Delta R.T. -0.00 min  
Lab File: VW003254.D  
Acq: 13 Jun 2018 19:33

Instrument :  
MSVOA\_W  
ClientSampleId :  
ICVW061318

Tgt Ion:128 Resp: 397183  
Ion Ratio Lower Upper  
128 100  
127 13.7 10.5 15.7  
129 11.0 8.9 13.3



#96  
1,2,3-Trichlorobenzene  
Concen: 48.77 ug/l  
RT: 15.57 min Scan# 2294  
Delta R.T. -0.00 min  
Lab File: VW003254.D  
Acq: 13 Jun 2018 19:33

Tgt Ion:180 Resp: 191561  
Ion Ratio Lower Upper  
180 100  
182 95.5 47.9 143.6  
145 32.2 15.8 47.4

