

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082318\  
 Data File : VD059894.D  
 Acq On : 23 Aug 2018 18:01  
 Operator : JC/SY  
 Sample : J4559-11MSD  
 Misc : 5.04g/5ml/MSVOA D/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 RA-081718-WSW-20-053

Quant Time: Aug 24 05:27:32 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D082218S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 23 03:03:08 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 6.40  | 168  | 52350    | 50.00 | ug/l  | -0.01    |
| 34) 1,4-Difluorobenzene    | 7.43  | 114  | 104935   | 50.00 | ug/l  | -0.01    |
| 63) Chlorobenzene-d5       | 11.28 | 117  | 79742    | 50.00 | ug/l  | -0.01    |
| 72) 1,4-Dichlorobenzene-d4 | 13.36 | 152  | 29760    | 50.00 | ug/l  | -0.01    |

## System Monitoring Compounds

|                           |        |     |          |        |         |       |
|---------------------------|--------|-----|----------|--------|---------|-------|
| 33) 1,2-Dichloroethane-d4 | 6.77   | 65  | 56452    | 127.94 | ug/l    | -0.02 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 255.88% |       |
| 35) Dibromofluoromethane  | 6.31   | 113 | 50131    | 60.93  | ug/l    | -0.02 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 121.86% |       |
| 50) Toluene-d8            | 9.45   | 98  | 99006    | 43.36  | ug/l    | -0.01 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 86.72%  |       |
| 62) 4-Bromofluorobenzene  | 12.42  | 95  | 37400    | 40.33  | ug/l    | -0.01 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 80.66%  |       |

## Target Compounds

|                               |      |     |        |         |        | Qvalue |
|-------------------------------|------|-----|--------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.58 | 85  | 11801  | 25.22   | ug/l   | 89     |
| 3) Chloromethane              | 1.73 | 50  | 27958  | 65.95   | ug/l   | 91     |
| 4) Vinyl Chloride             | 1.83 | 62  | 13313  | 40.05   | ug/l   | 95     |
| 5) Bromomethane               | 2.14 | 94  | 9410   | 163.97  | ug/l # | 73     |
| 6) Chloroethane               | 2.24 | 64  | 9385   | Below   | Cal    | 100    |
| 7) Trichlorofluoromethane     | 2.50 | 101 | 11816  | 30.73   | ug/l   | 94     |
| 8) Diethyl Ether              | 2.81 | 74  | 12107  | 140.34  | ug/l   | 90     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.07 | 101 | 5579   | 23.69   | ug/l # | 91     |
| 10) Methyl Iodide             | 3.23 | 142 | 11040  | 44.42   | ug/l # | 93     |
| 11) Tert butyl alcohol        | 3.95 | 59  | 77464  | 2300.90 | ug/l   | 99     |
| 12) 1,1-Dichloroethene        | 3.06 | 96  | 7921   | 43.20   | ug/l   | 87     |
| 13) Acrolein                  | 3.06 | 56  | 1065   | 72.93   | ug/l   | 84     |
| 14) Allyl chloride            | 3.37 | 41  | 1578   | 3.80    | ug/l   | 96     |
| 15) Acrylonitrile             | 4.07 | 53  | 202270 | 1604.37 | ug/l   | 98     |
| 16) Acetone                   | 3.14 | 43  | 150216 | 1868.66 | ug/l   | 94     |
| 17) Carbon Disulfide          | 3.30 | 76  | 16793  | 29.51   | ug/l   | 100    |
| 18) Methyl Acetate            | 3.53 | 43  | 162443 | 968.01  | ug/l   | 99     |
| 19) Methyl tert-butyl Ether   | 4.10 | 73  | 165616 | 159.69  | ug/l   | 98     |
| 20) Methylene Chloride        | 3.70 | 84  | 53832  | 104.38  | ug/l   | 93     |
| 21) trans-1,2-Dichloroethene  | 4.08 | 96  | 28161  | 55.75   | ug/l   | 99     |
| 22) Diisopropyl ether         | 4.83 | 45  | 238289 | 112.65  | ug/l # | 81     |
| 23) Vinyl Acetate             | 4.83 | 43  | 106904 | 90.41   | ug/l # | 81     |
| 24) 1,1-Dichloroethane        | 4.73 | 63  | 72810  | 79.68   | ug/l   | 100    |
| 25) 2-Butanone                | 5.60 | 43  | 433448 | 1820.59 | ug/l   | 98     |
| 26) 2,2-Dichloropropane       | 5.57 | 77  | 31859  | 41.70   | ug/l   | 98     |
| 27) cis-1,2-Dichloroethene    | 5.58 | 96  | 42353  | 76.58   | ug/l   | 94     |
| 28) Bromochloromethane        | 5.91 | 49  | 49872  | 113.87  | ug/l   | 96     |
| 29) Tetrahydrofuran           | 5.94 | 42  | 218094 | 1924.16 | ug/l   | 98     |
| 30) Chloroform                | 6.08 | 83  | 78828  | 84.88   | ug/l   | 98     |
| 31) Cyclohexane               | 6.35 | 56  | 14659  | 17.45   | ug/l   | 97     |
| 32) 1,1,1-Trichloroethane     | 6.28 | 97  | 39774  | 50.46   | ug/l   | 98     |
| 36) 1,1-Dichloropropene       | 6.51 | 75  | 26715  | 28.08   | ug/l   | 97     |
| 37) Ethyl Acetate             | 5.60 | 43  | 434924 | 587.56  | ug/l # | 80     |
| 38) Carbon Tetrachloride      | 6.49 | 117 | 23877  | 24.87   | ug/l   | 87     |

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 Sample : J4559-11MSD  
 Misc : 5.04g/5ml/MSVOA D/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 RA-081718-WSW-20-053

Quant Time: Aug 24 05:27:32 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D082218S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 23 03:03:08 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| -----                          |       |      |          |         |        |          |
| 39) Methylcyclohexane          | 8.03  | 83   | 6219     | 6.05    | ug/l # | 86       |
| 40) Benzene                    | 6.78  | 78   | 127643   | 51.61   | ug/l   | 95       |
| 41) Methacrylonitrile          | 5.94  | 41   | 192903   | 517.35  | ug/l # | 81       |
| 42) 1,2-Dichloroethane         | 6.88  | 62   | 68330    | 86.05   | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.34  | 43   | 8974     | 9.32    | ug/l # | 95       |
| 44) Trichloroethene            | 7.73  | 130  | 26583    | 36.50   | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 8.09  | 63   | 44501    | 64.37   | ug/l   | 99       |
| 46) Dibromomethane             | 8.21  | 93   | 39711    | 89.33   | ug/l   | 95       |
| 47) Bromodichloromethane       | 8.48  | 83   | 68368    | 67.94   | ug/l   | 98       |
| 48) Methyl methacrylate        | 8.24  | 41   | 117577   | 209.45  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 8.22  | 88   | 30996    | 6184.64 | ug/l   | 92       |
| 51) 4-Methyl-2-Pentanone       | 9.33  | 43   | 762648   | 1062.28 | ug/l   | 96       |
| 52) Toluene                    | 9.54  | 92   | 68499    | 43.19   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 9.91  | 75   | 56144    | 60.32   | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene    | 9.09  | 75   | 57912    | 53.66   | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.18 | 97   | 54460    | 93.94   | ug/l   | 97       |
| 56) Ethyl methacrylate         | 10.02 | 69   | 17954    | 26.83   | ug/l   | 95       |
| 57) 1,3-Dichloropropane        | 10.37 | 76   | 76376    | 91.02   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 8.92  | 63   | 181933   | 566.81  | ug/l   | 96       |
| 59) 2-Hexanone                 | 10.48 | 43   | 518641   | 979.43  | ug/l   | 96       |
| 60) Dibromochloromethane       | 10.63 | 129  | 55597    | 76.30   | ug/l   | 97       |
| 61) 1,2-Dibromoethane          | 10.75 | 107  | 52394    | 89.38   | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.25 | 164  | 23637    | 38.34   | ug/l   | 94       |
| 65) Chlorobenzene              | 11.31 | 112  | 73741    | 46.54   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.42 | 131  | 37526    | 64.82   | ug/l   | 95       |
| 67) Ethyl Benzene              | 11.43 | 91   | 104260   | 39.11   | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.56 | 106  | 68487    | 70.56   | ug/l   | 90       |
| 69) o-Xylene                   | 11.93 | 106  | 38667    | 40.73   | ug/l   | 92       |
| 70) Styrene                    | 11.95 | 104  | 67114    | 40.83   | ug/l   | 95       |
| 71) Bromoform                  | 12.12 | 173  | 47179    | 94.19   | ug/l # | 94       |
| 73) Isopropylbenzene           | 12.27 | 105  | 61706    | 32.48   | ug/l   | 97       |
| 74) N-amyl acetate             | 12.12 | 43   | 3861     | 4.64    | ug/l # | 81       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.56 | 83   | 83246    | 189.45  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane     | 12.60 | 75   | 88662    | 191.69  | ug/l   | 98       |
| 77) Bromobenzene               | 12.54 | 156  | 35153    | 66.74   | ug/l   | 87       |
| 78) n-propylbenzene            | 12.64 | 91   | 71233    | 29.61   | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.71 | 91   | 60052    | 44.14   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 12.78 | 105  | 49156    | 32.55   | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-buten | 12.34 | 75   | 16566    | 115.14  | ug/l   | 91       |
| 82) 4-Chlorotoluene            | 12.80 | 91   | 70196    | 45.24   | ug/l   | 91       |
| 83) tert-Butylbenzene          | 13.04 | 119  | 44071    | 25.62   | ug/l   | 91       |
| 84) 1,2,4-Trimethylbenzene     | 13.09 | 105  | 51395    | 32.65   | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.22 | 105  | 35888    | 17.74   | ug/l   | 98       |
| 86) p-Isopropyltoluene         | 13.34 | 119  | 31391    | 19.08   | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene        | 13.31 | 146  | 40383    | 42.95   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.38 | 146  | 42726    | 45.54   | ug/l   | 97       |
| 89) n-Butylbenzene             | 13.64 | 91   | 24335    | 13.04   | ug/l   | 95       |
| 90) Hexachloroethane           | 13.86 | 117  | 7710     | 17.45   | ug/l   | 90       |
| 91) 1,2-Dichlorobenzene        | 13.66 | 146  | 43909    | 54.92   | ug/l   | 94       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.22 | 75   | 16442    | 243.37  | ug/l   | 63       |

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Sample : J4559-11MSD  
Misc : 5.04g/5ml/MSVOA D/SOIL  
ALS Vial : 15 Sample Multiplier: 1

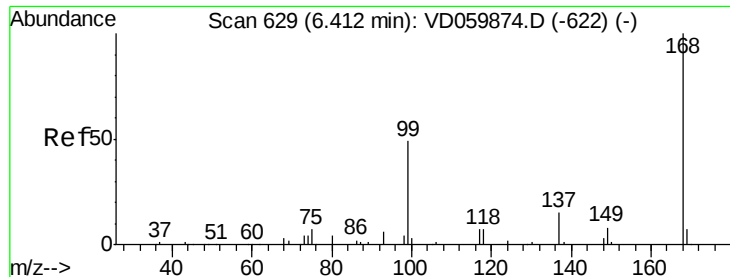
Instrument :  
MSVOA\_D  
ClientSampleId :  
RA-081718-WSW-20-053

Quant Time: Aug 24 05:27:32 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D082218S.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 23 03:03:08 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.78 | 180  | 15941    | 23.29 | ug/l  | 96       |
| 94) Hexachlorobutadiene    | 14.88 | 225  | 2698     | 6.01  | ug/l  | 93       |
| 95) Naphthalene            | 14.96 | 128  | 30368    | 29.03 | ug/l  | 98       |
| 96) 1,2,3-Trichlorobenzene | 15.11 | 180  | 15496    | 26.47 | ug/l  | 94       |

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.40 min Scan# 627

Delta R.T. -0.01 min

Lab File: VD059894.D

Acq: 23 Aug 2018 18:01

Instrument :

MSVOA\_D

ClientSampleId :

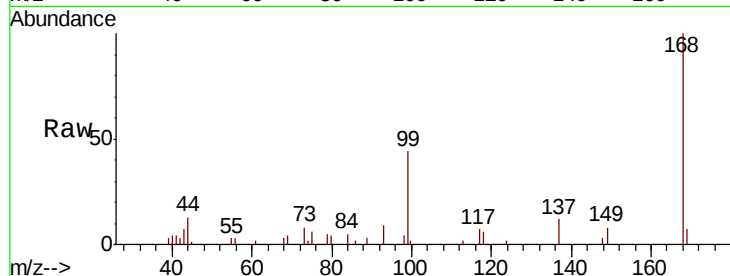
RA-081718-WSW-20-053

Tot Ion:168 Resp: 52350

Ion Ratio Lower Upper

168 100

99 43.9 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

25000

20000

15000

10000

5000

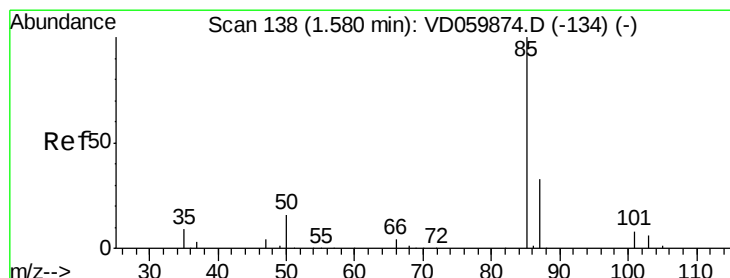
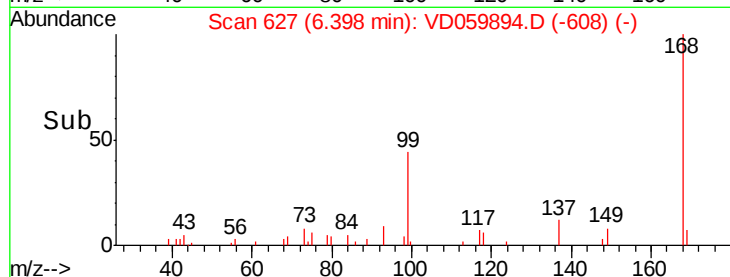
0

6.30

6.40

6.50

Time-->



#2

Dichlorodifluoromethane

Concen: 25.22 ug/l

RT: 1.58 min Scan# 137

Delta R.T. -0.00 min

Lab File: VD059894.D

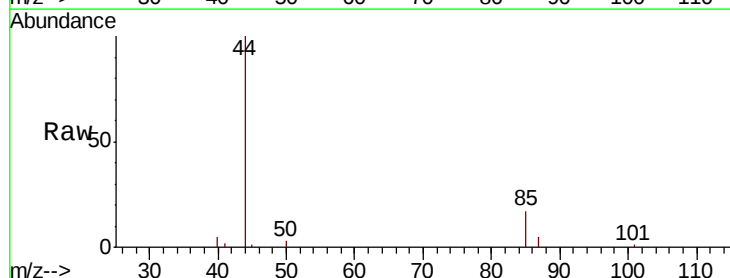
Acq: 23 Aug 2018 18:01

Tgt Ion: 85 Resp: 11801

Ion Ratio Lower Upper

85 100

87 27.1 16.8 50.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

6000

4000

2000

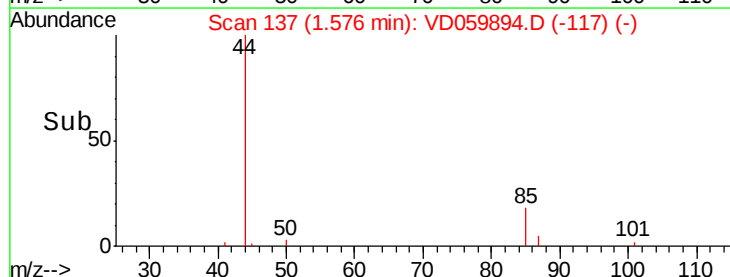
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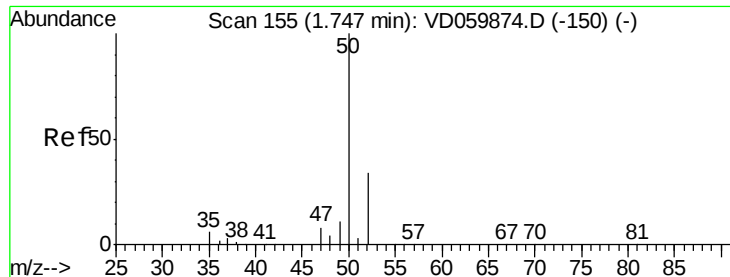
1.50

1.60

1.70

Time-->





#3

Chloromethane

Concen: 65.95 ug/l

RT: 1.73 min Scan# 153

Delta R.T. -0.01 min

Lab File: VD059894.D

Acq: 23 Aug 2018 18:01

Instrument :

MSVOA\_D

ClientSampleId :

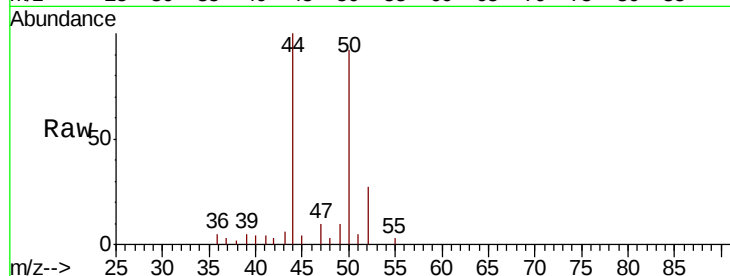
RA-081718-WSW-20-053

Tot Ion: 50 Resp: 27958

Ion Ratio Lower Upper

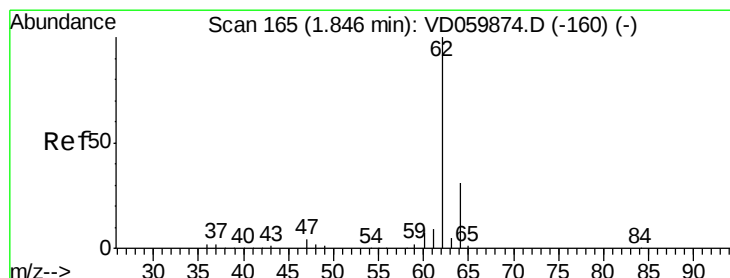
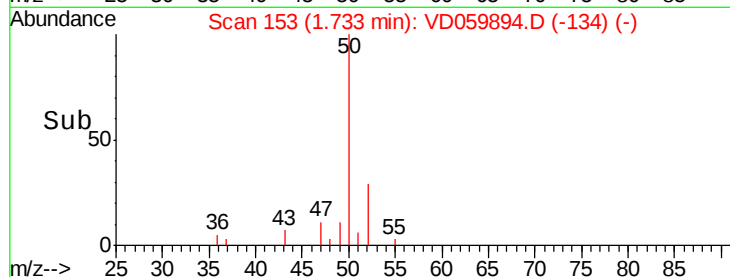
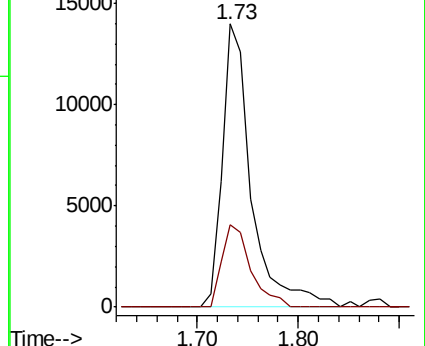
50 100

52 28.9 27.0 40.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 40.05 ug/l

RT: 1.83 min Scan# 163

Delta R.T. -0.01 min

Lab File: VD059894.D

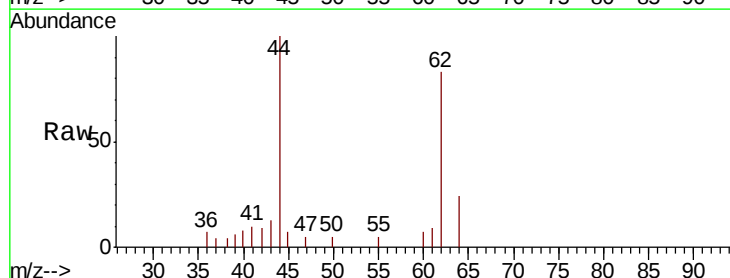
Acq: 23 Aug 2018 18:01

Tgt Ion: 62 Resp: 13313

Ion Ratio Lower Upper

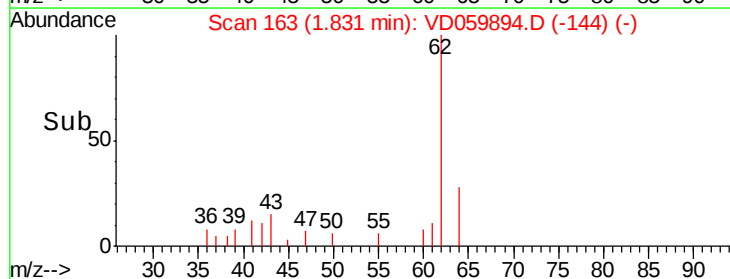
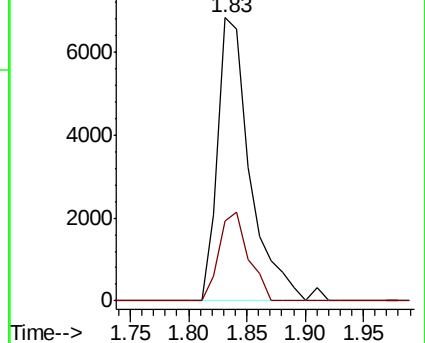
62 100

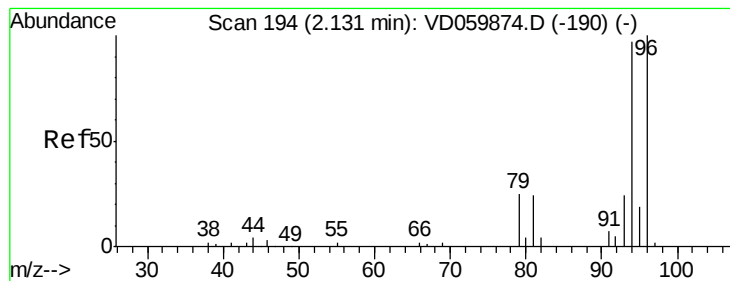
64 28.4 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 163.97 ug/l

RT: 2.14 min Scan# 194

Delta R.T. 0.01 min

Lab File: VD059894.D

Acq: 23 Aug 2018 18:01

Instrument :

MSVOA\_D

ClientSampleId :

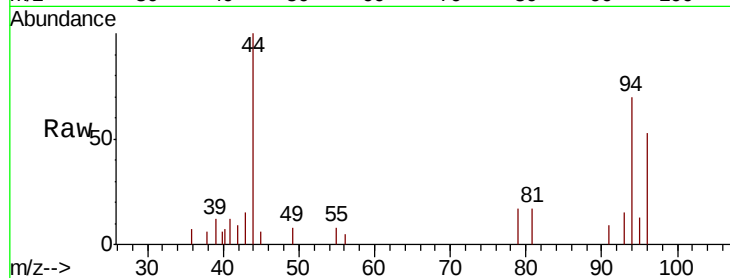
RA-081718-WSW-20-053

Tot Ion: 94 Resp: 9410

Ion Ratio Lower Upper

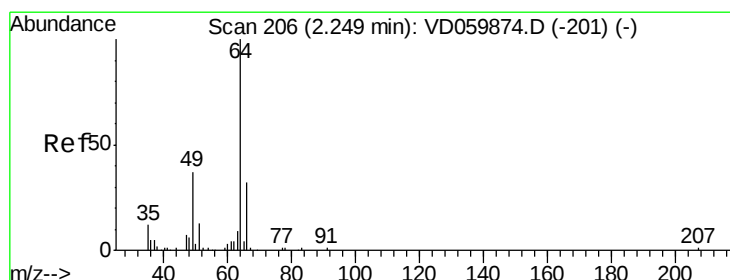
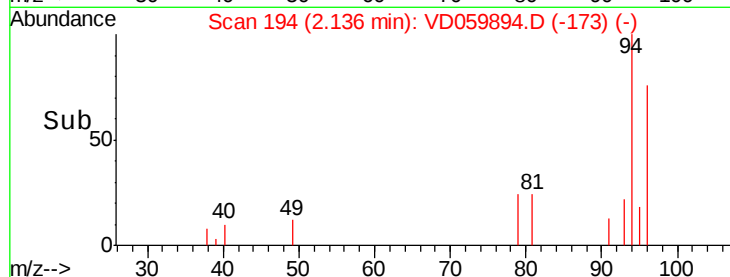
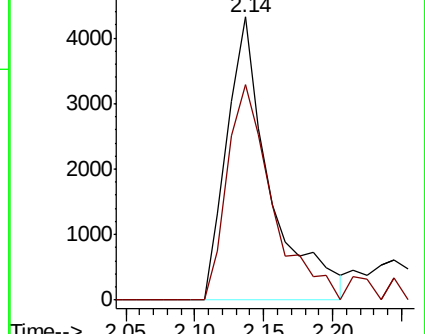
94 100

96 76.0 82.4 123.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: Below Cal

RT: 2.24 min Scan# 205

Delta R.T. -0.00 min

Lab File: VD059894.D

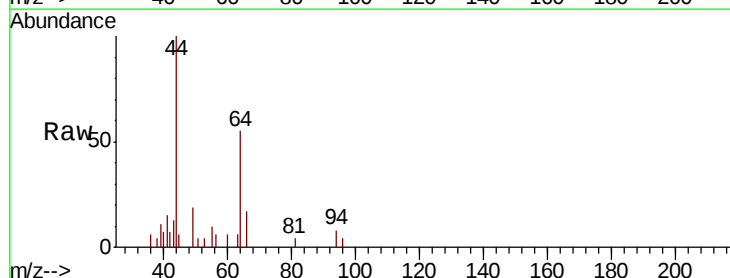
Acq: 23 Aug 2018 18:01

Tgt Ion: 64 Resp: 9385

Ion Ratio Lower Upper

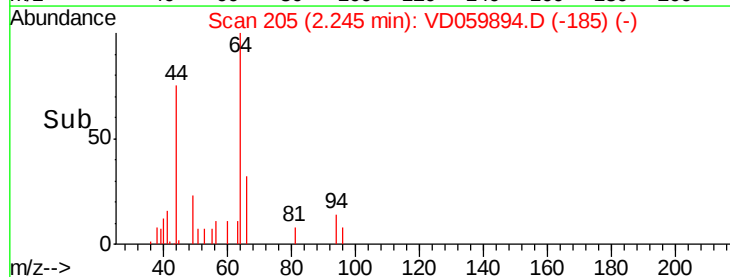
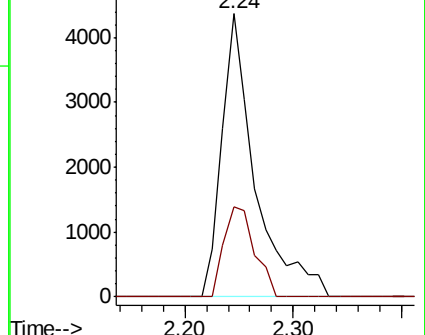
64 100

66 31.6 25.3 37.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 30.73 ug/l

RT: 2.50 min Scan# 231

Delta R.T. -0.00 min

Lab File: VD059894.D

Acq: 23 Aug 2018 18:01

Instrument :

MSVOA\_D

ClientSampleId :

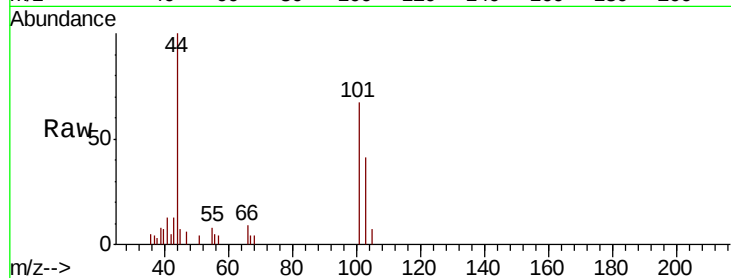
RA-081718-WSW-20-053

Tot Ion:101 Resp: 11816

Ion Ratio Lower Upper

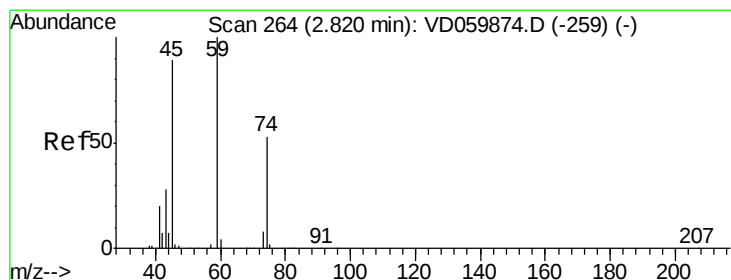
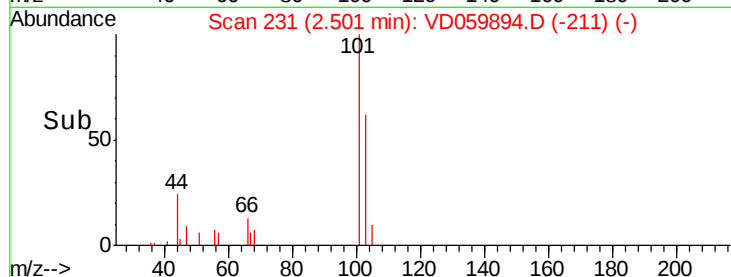
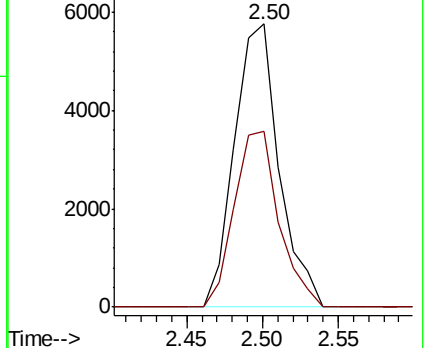
101 100

103 62.1 53.7 80.5



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 140.34 ug/l

RT: 2.81 min Scan# 262

Delta R.T. -0.01 min

Lab File: VD059894.D

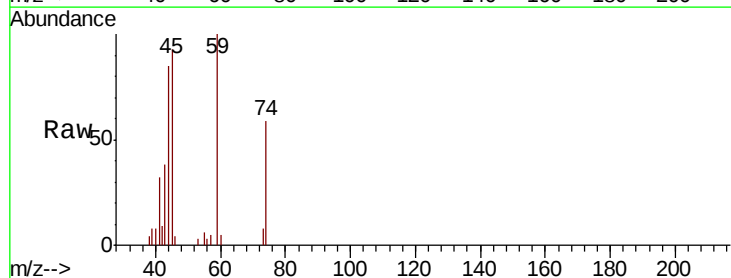
Acq: 23 Aug 2018 18:01

Tgt Ion: 74 Resp: 12107

Ion Ratio Lower Upper

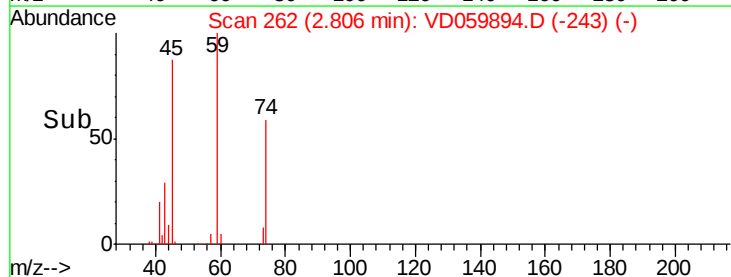
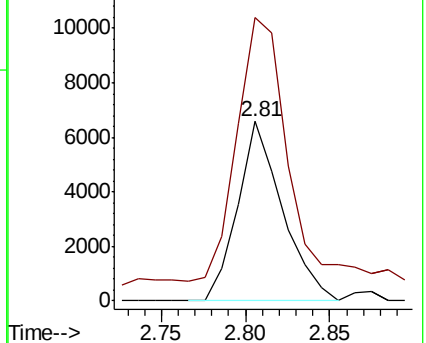
74 100

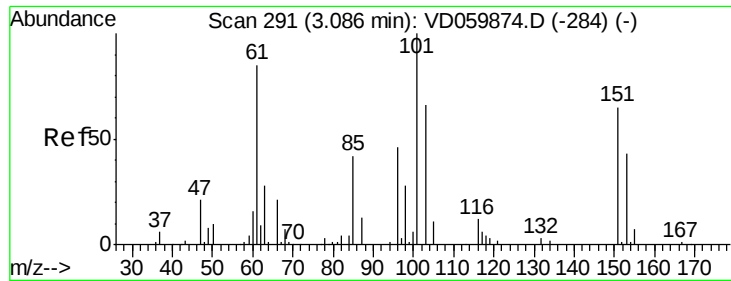
45 157.9 85.7 257.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.69 ug/l

RT: 3.07 min Scan# 289

Delta R.T. -0.01 min

Lab File: VD059894.D

Acq: 23 Aug 2018 18:01

Instrument :

MSVOA\_D

ClientSampleId :

RA-081718-WSW-20-053

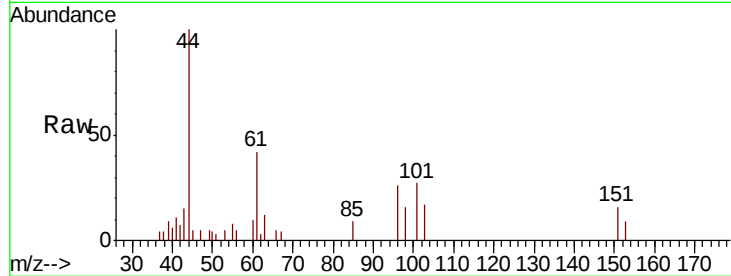
Tot Ion:101 Resp: 5579

Ion Ratio Lower Upper

101 100

85 33.2 33.6 50.4#

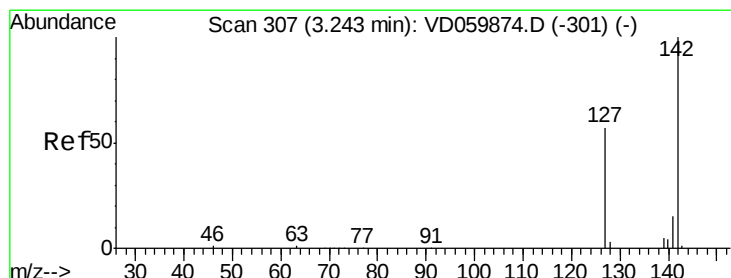
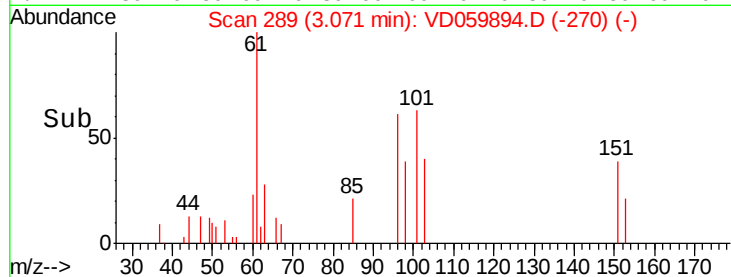
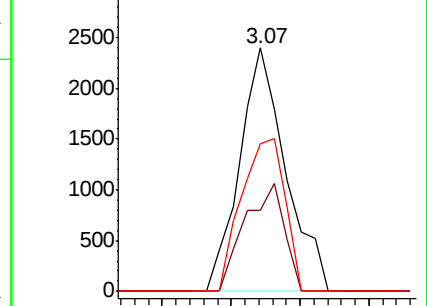
151 60.8 52.0 78.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 44.42 ug/l

RT: 3.23 min Scan# 305

Delta R.T. -0.01 min

Lab File: VD059894.D

Acq: 23 Aug 2018 18:01

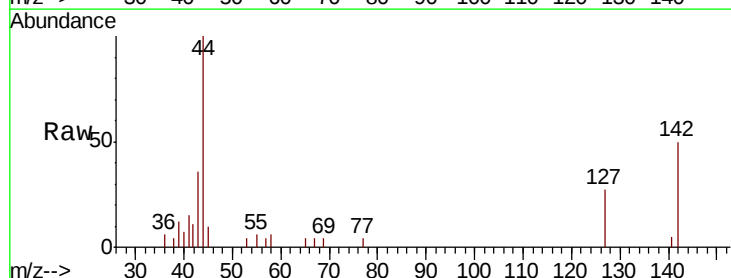
Tgt Ion:142 Resp: 11040

Ion Ratio Lower Upper

142 100

127 53.0 45.8 68.6

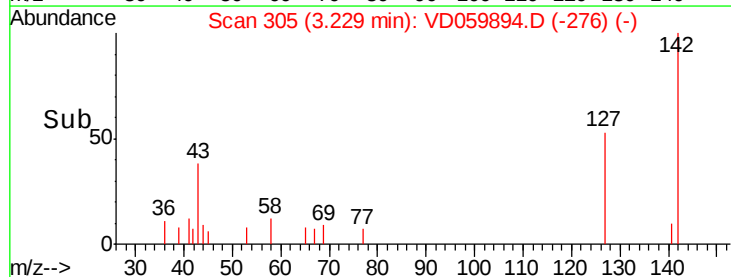
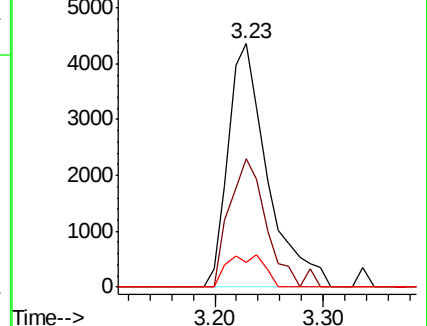
141 10.0 11.6 17.4#

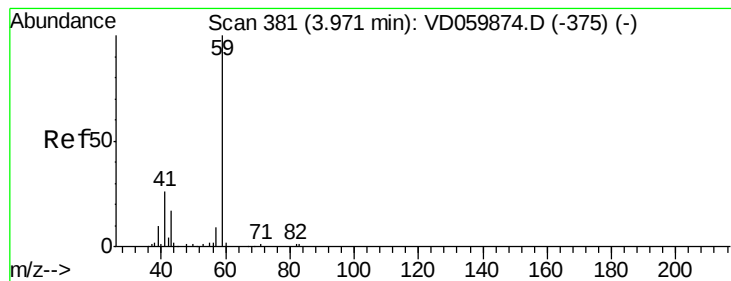


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



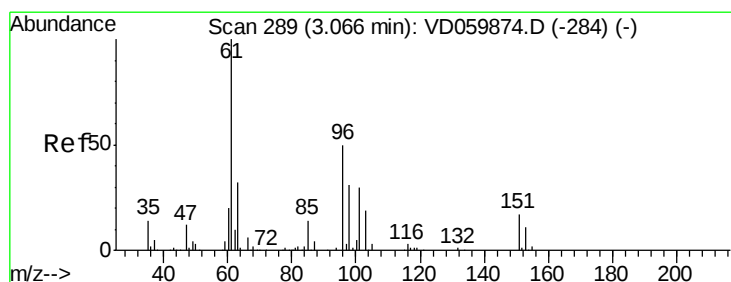
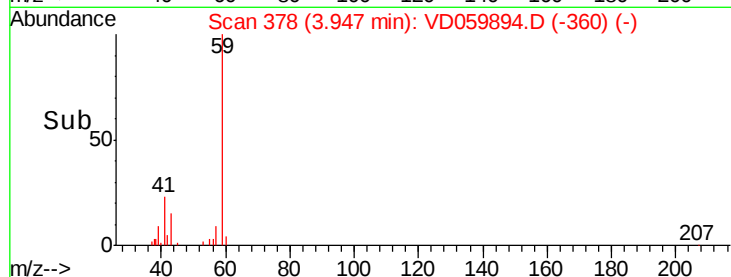
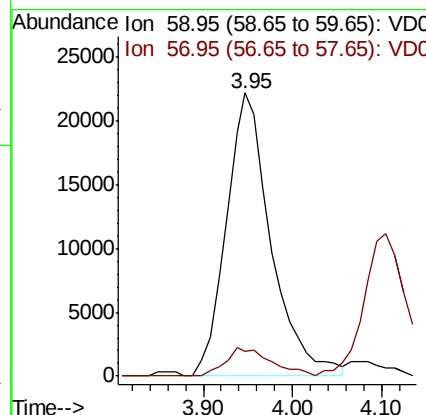
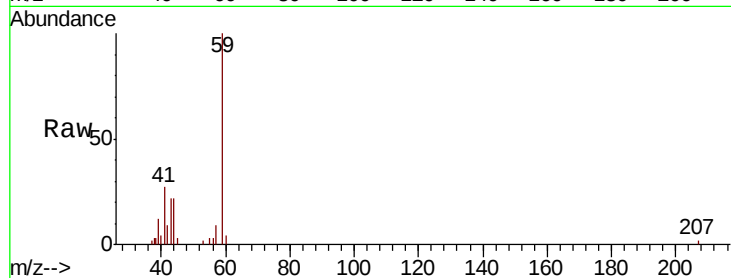


#11

Tert butyl alcohol  
 Concen: 2300.90 ug/l  
 RT: 3.95 min Scan# 378  
 Delta R.T. -0.02 min  
 Lab File: VD059894.D  
 Acq: 23 Aug 2018 18:01

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 RA-081718-WSW-20-053

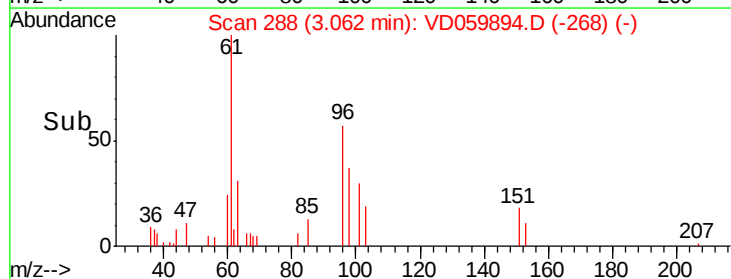
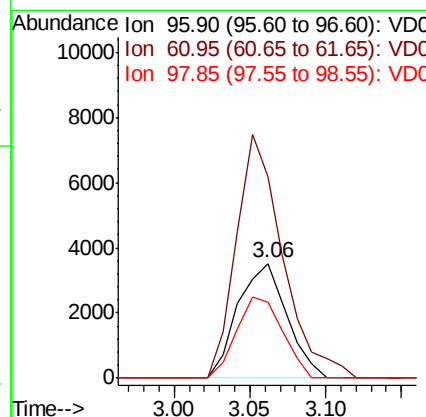
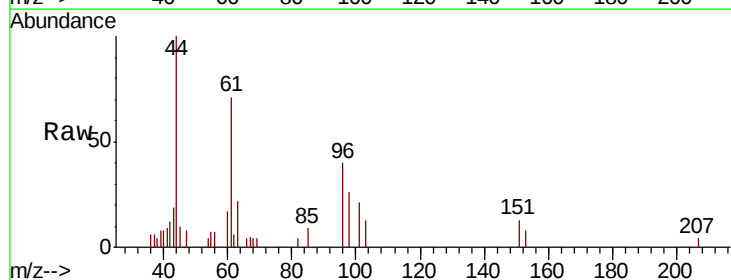
Tot Ion: 59 Resp: 77464  
 Ion Ratio Lower Upper  
 59 100  
 57 9.0 7.4 11.0

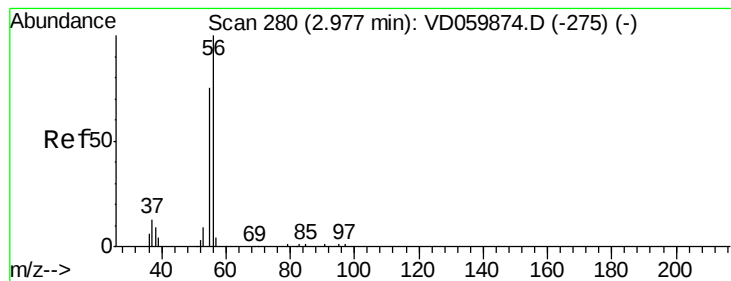


#12

1,1-Dichloroethene  
 Concen: 43.20 ug/l  
 RT: 3.06 min Scan# 288  
 Delta R.T. -0.00 min  
 Lab File: VD059894.D  
 Acq: 23 Aug 2018 18:01

Tgt Ion: 96 Resp: 7921  
 Ion Ratio Lower Upper  
 96 100  
 61 175.2 158.8 238.2  
 98 65.6 48.7 73.1





#13

Acrolein

Concen: 72.93 ug/l

RT: 3.06 min Scan# 288

Delta R.T. 0.08 min

Lab File: VD059894.D

Acq: 23 Aug 2018 18:01

Instrument :

MSVOA\_D

ClientSampleId :

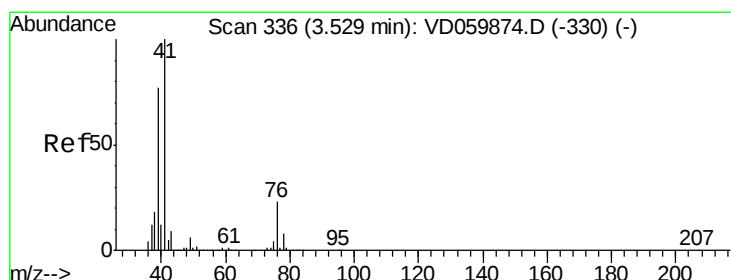
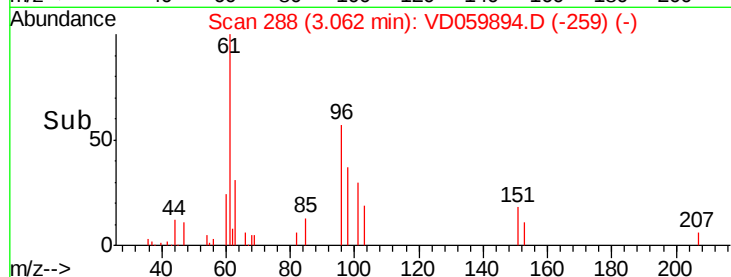
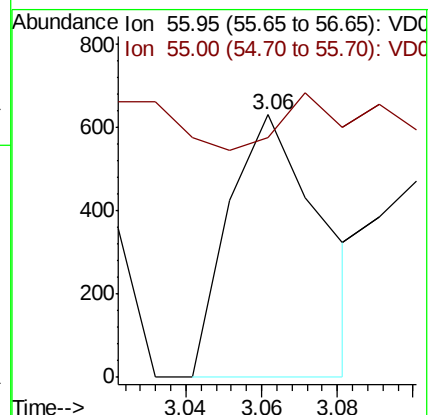
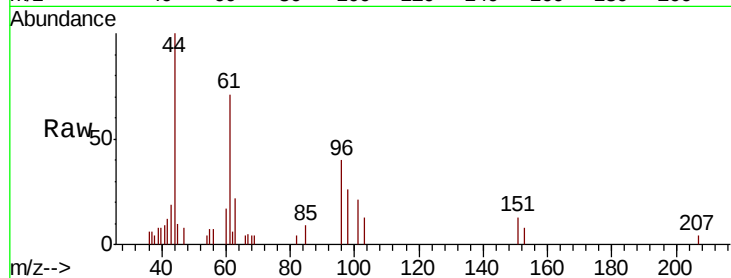
RA-081718-WSW-20-053

Tot Ion: 56 Resp: 1065

Ion Ratio Lower Upper

56 100

55 91.3 61.9 92.9



#14

Allyl chloride

Concen: 3.80 ug/l

RT: 3.37 min Scan# 319

Delta R.T. -0.16 min

Lab File: VD059894.D

Acq: 23 Aug 2018 18:01

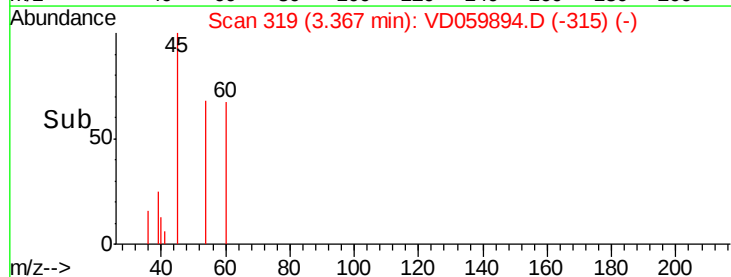
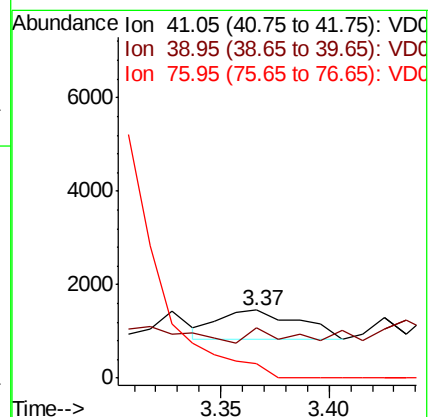
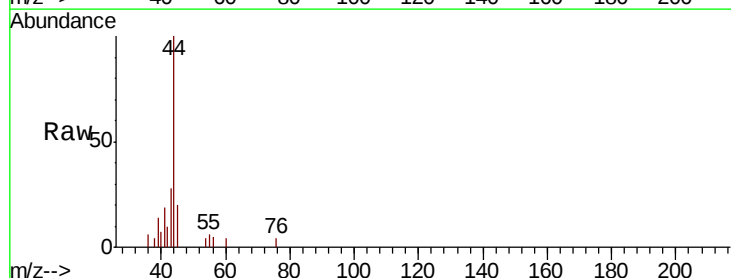
Tgt Ion: 41 Resp: 1578

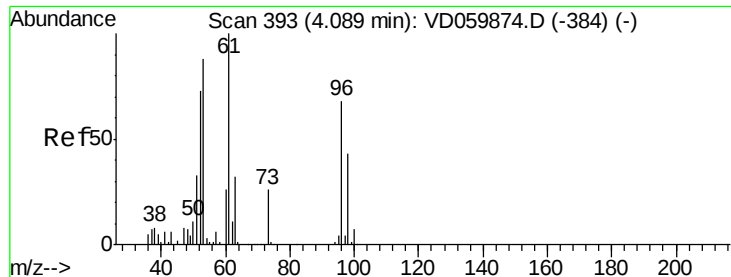
Ion Ratio Lower Upper

41 100

39 73.3 61.8 92.6

76 22.3 19.4 29.2





#15

Acrylonitrile

Concen: 1604.37 ug/l

RT: 4.07 min Scan# 390

Delta R.T. -0.02 min

Lab File: VD059894.D

Acq: 23 Aug 2018 18:01

Instrument :

MSVOA\_D

ClientSampleId :

RA-081718-WSW-20-053

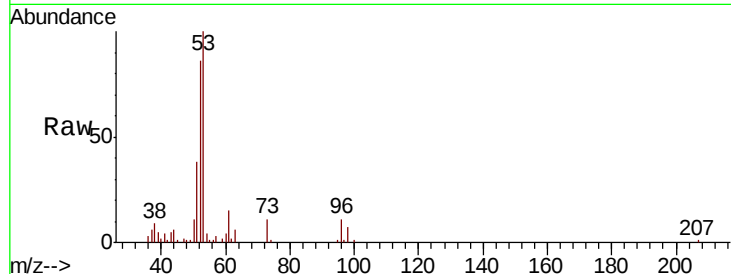
Tot Ion: 53 Resp: 202270

Ion Ratio Lower Upper

53 100

52 86.0 66.9 100.3

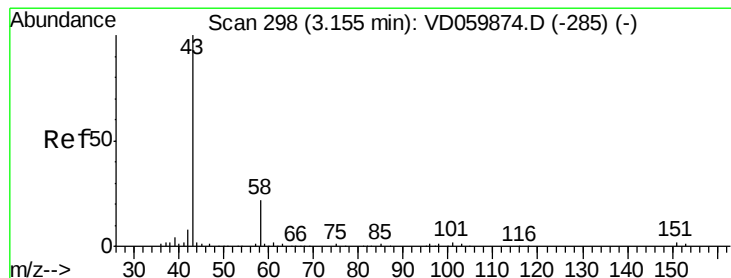
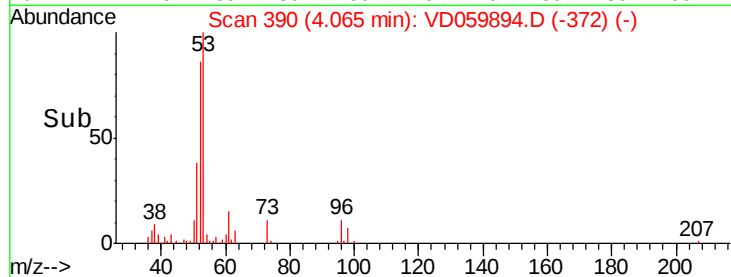
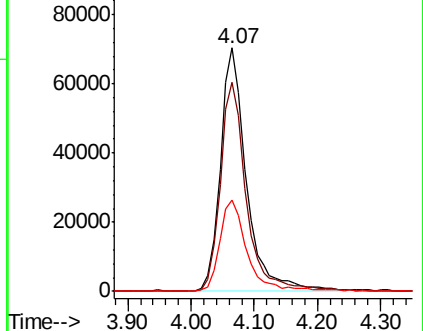
51 37.7 30.3 45.5



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 1868.66 ug/l

RT: 3.14 min Scan# 296

Delta R.T. -0.01 min

Lab File: VD059894.D

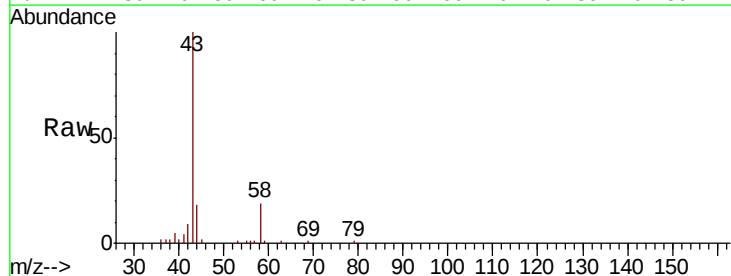
Acq: 23 Aug 2018 18:01

Tgt Ion: 43 Resp: 150216

Ion Ratio Lower Upper

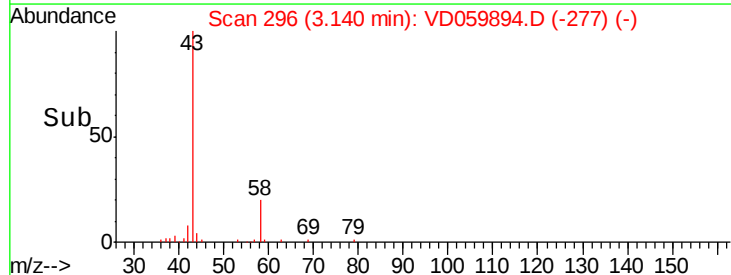
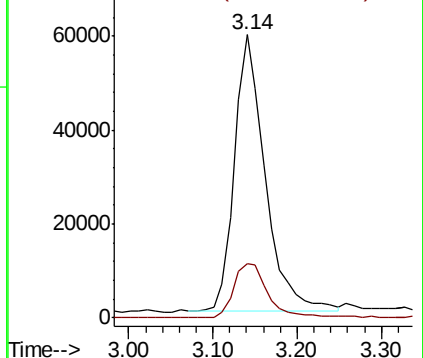
43 100

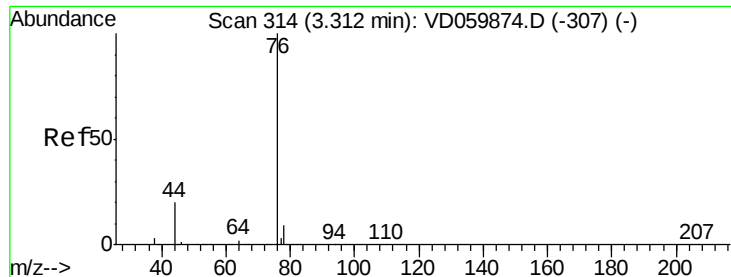
58 19.2 17.6 26.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

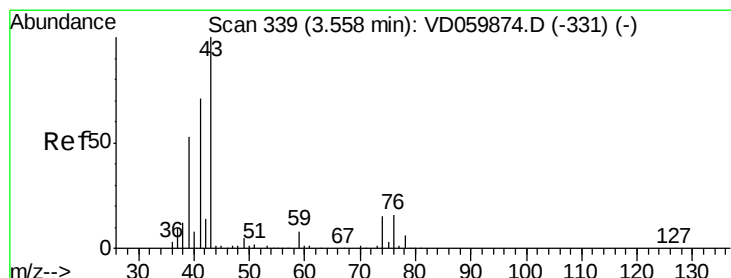
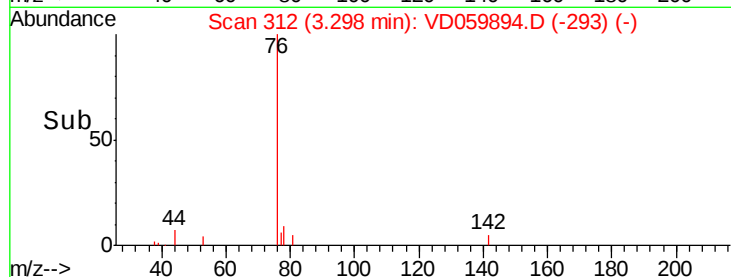
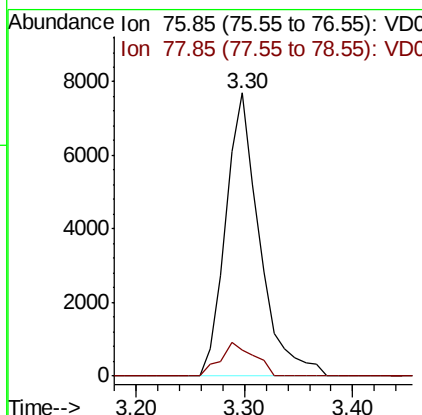
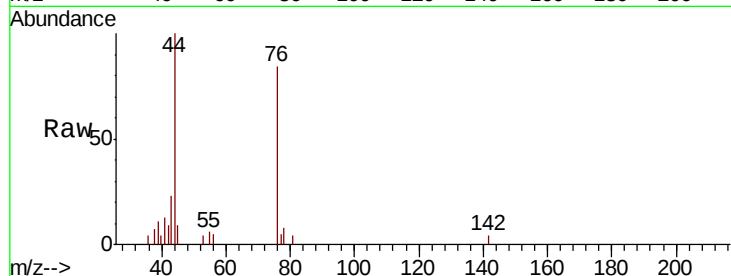




#17  
Carbon Disulfide  
Concen: 29.51 ug/l  
RT: 3.30 min Scan# 312  
Delta R.T. -0.01 min  
Lab File: VD059894.D  
Acq: 23 Aug 2018 18:01

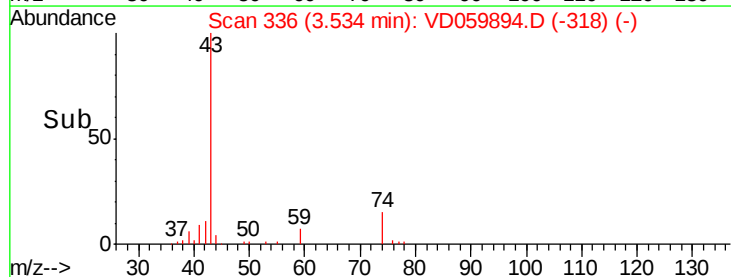
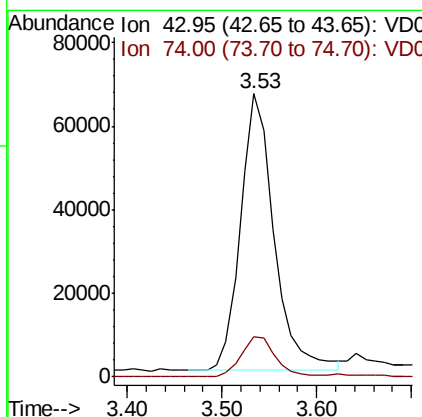
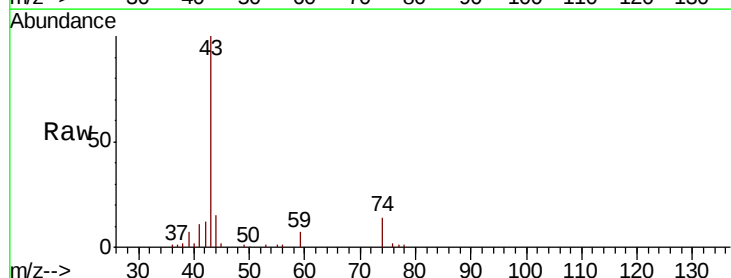
Instrument :  
MSVOA\_D  
ClientSampleId :  
RA-081718-WSW-20-053

Tot Ion: 76 Resp: 16793  
Ion Ratio Lower Upper  
76 100  
78 9.4 7.4 11.2



#18  
Methyl Acetate  
Concen: 968.01 ug/l  
RT: 3.53 min Scan# 336  
Delta R.T. -0.02 min  
Lab File: VD059894.D  
Acq: 23 Aug 2018 18:01

Tgt Ion: 43 Resp: 162443  
Ion Ratio Lower Upper  
43 100  
74 14.3 11.2 16.8



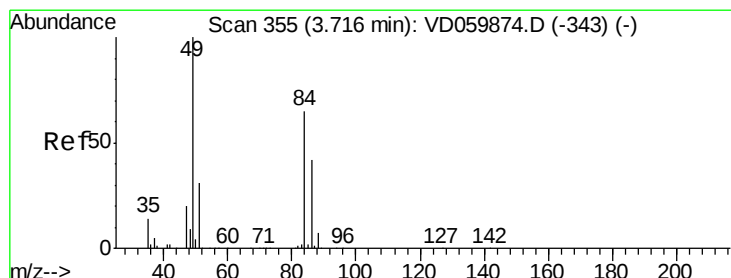
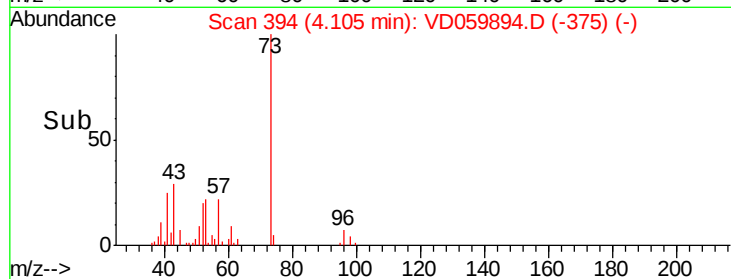
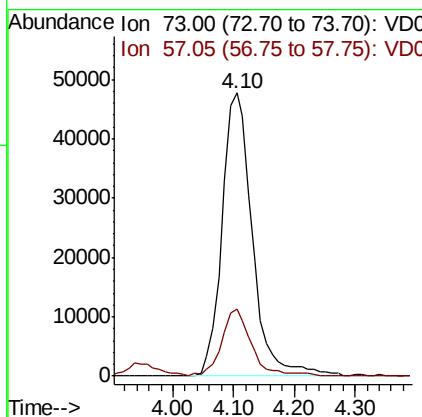
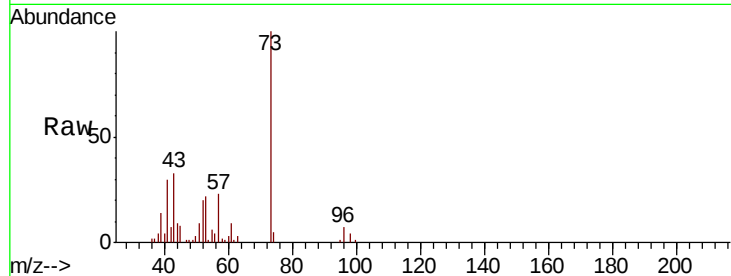


#19

Methyl tert-butyl Ether  
 Concen: 159.69 ug/l  
 RT: 4.10 min Scan# 394  
 Delta R.T. -0.01 min  
 Lab File: VD059894.D  
 Acq: 23 Aug 2018 18:01

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 RA-081718-WSW-20-053

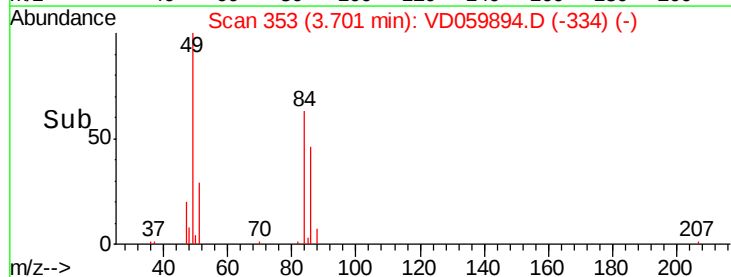
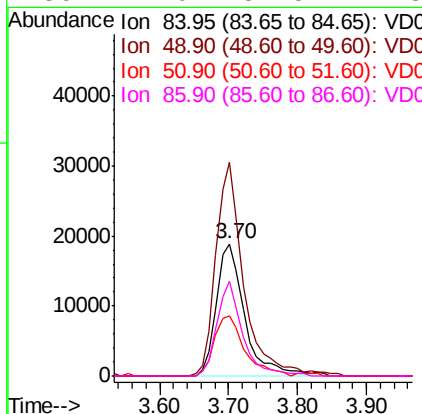
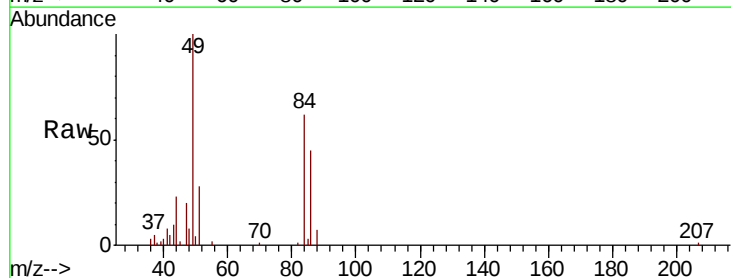
Tot Ion: 73 Resp: 165616  
 Ion Ratio Lower Upper  
 73 100  
 57 23.5 17.9 26.9



#20

Methylene Chloride  
 Concen: 104.38 ug/l  
 RT: 3.70 min Scan# 353  
 Delta R.T. -0.01 min  
 Lab File: VD059894.D  
 Acq: 23 Aug 2018 18:01

Tgt Ion: 84 Resp: 53832  
 Ion Ratio Lower Upper  
 84 100  
 49 161.6 122.6 183.8  
 51 45.9 38.4 57.6  
 86 72.0 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 55.75 ug/l

RT: 4.08 min Scan# 391

Delta R.T. -0.02 min

Lab File: VD059894.D

Acq: 23 Aug 2018 18:01

Instrument :

MSVOA\_D

ClientSampleId :

RA-081718-WSW-20-053

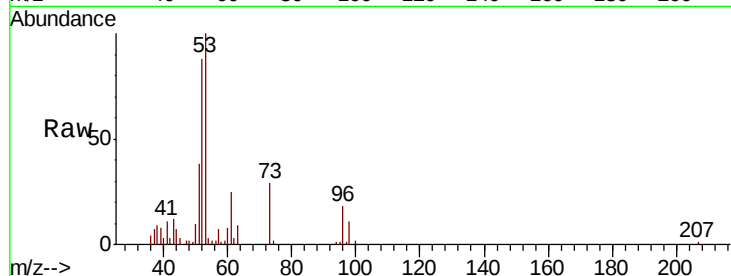
Tot Ion: 96 Resp: 28161

Ion Ratio Lower Upper

96 100

61 138.5 110.2 165.4

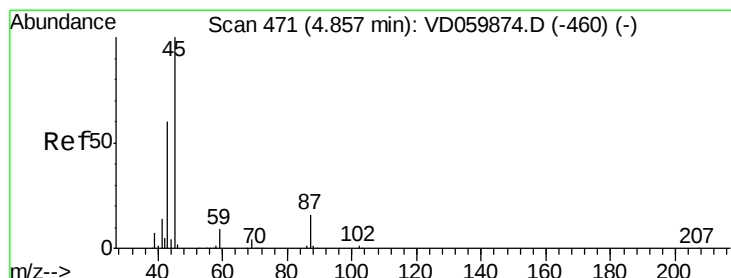
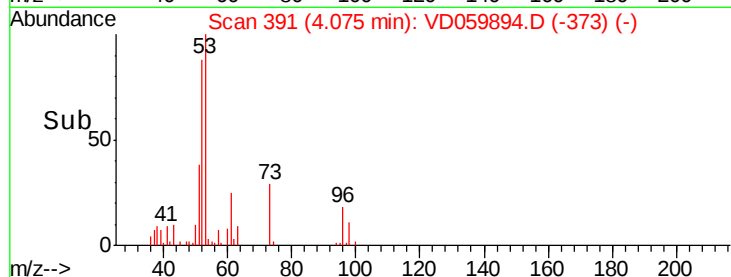
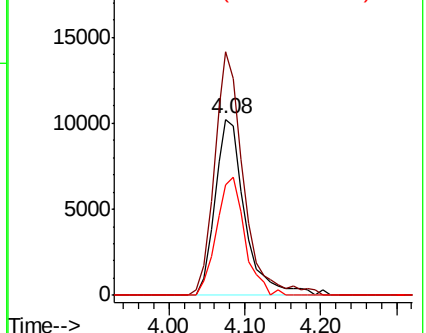
98 62.5 50.9 76.3



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 112.65 ug/l

RT: 4.83 min Scan# 468

Delta R.T. -0.02 min

Lab File: VD059894.D

Acq: 23 Aug 2018 18:01

Tgt Ion: 45 Resp: 238289

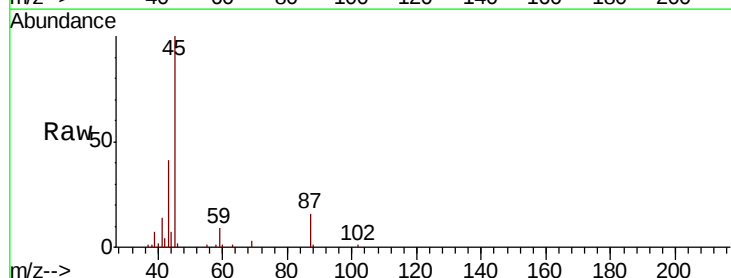
Ion Ratio Lower Upper

45 100

43 41.2 48.6 72.8#

87 15.7 13.3 19.9

59 8.6 7.1 10.7

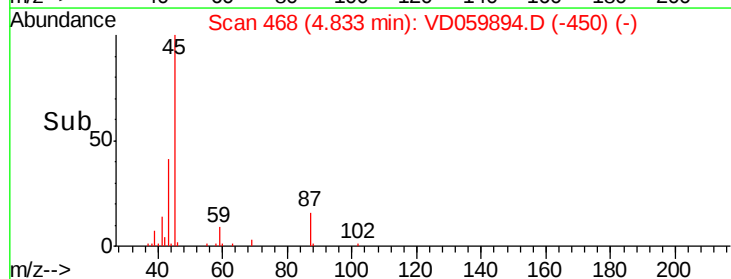
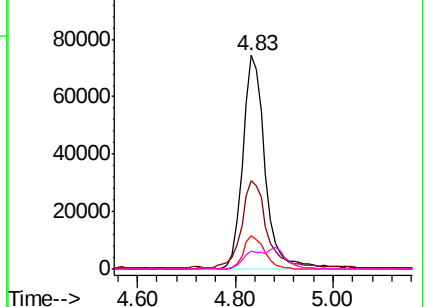


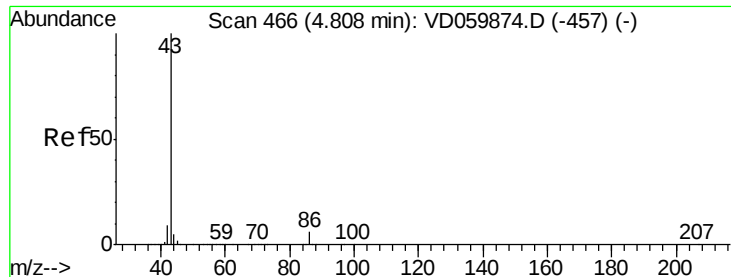
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC

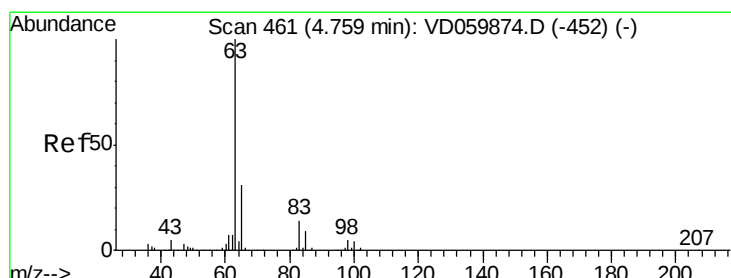
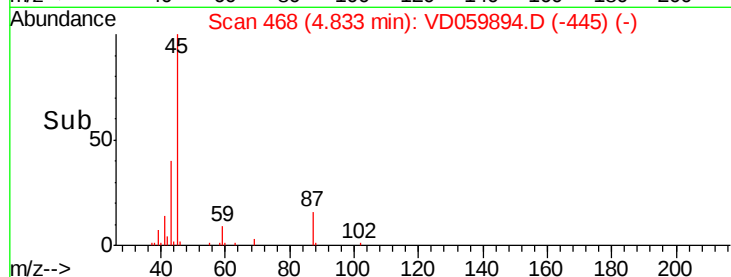
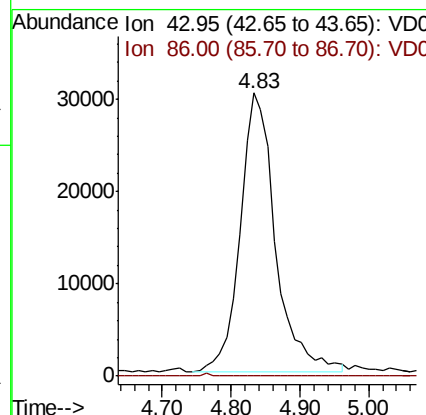
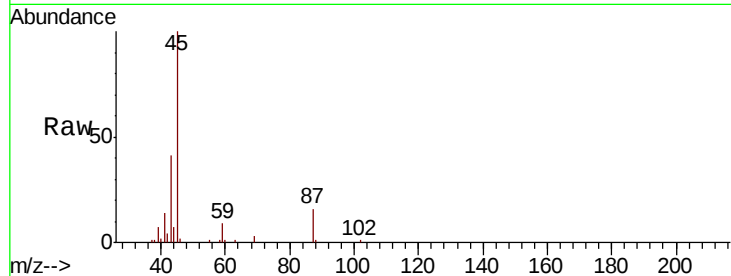




#23  
 Vinyl Acetate  
 Concen: 90.41 ug/l  
 RT: 4.83 min Scan# 468  
 Delta R.T. 0.03 min  
 Lab File: VD059894.D  
 Acq: 23 Aug 2018 18:01

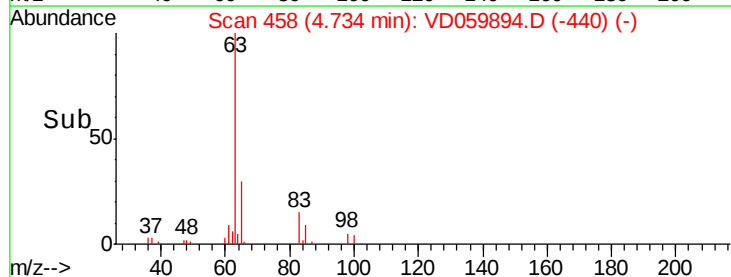
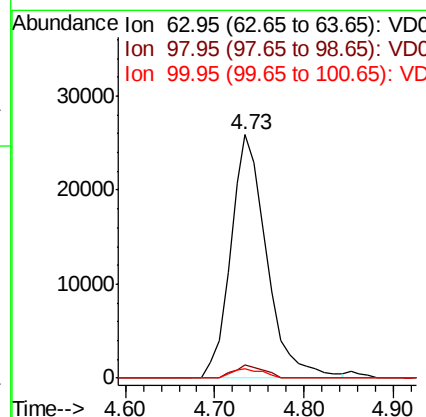
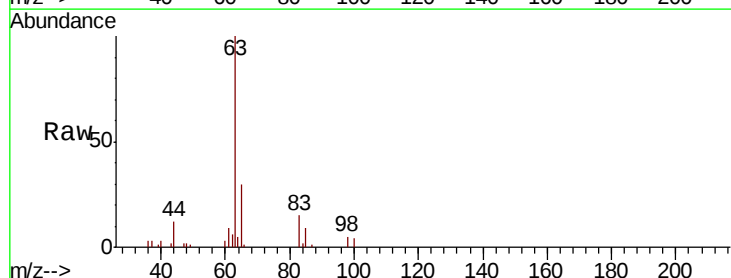
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 RA-081718-WSW-20-053

Tot Ion: 43 Resp: 106904  
 Ion Ratio Lower Upper  
 43 100  
 86 0.0 5.0 7.6#



#24  
 1,1-Dichloroethane  
 Concen: 79.68 ug/l  
 RT: 4.73 min Scan# 458  
 Delta R.T. -0.02 min  
 Lab File: VD059894.D  
 Acq: 23 Aug 2018 18:01

Tgt Ion: 63 Resp: 72810  
 Ion Ratio Lower Upper  
 63 100  
 98 5.4 2.7 8.1  
 100 3.7 1.8 5.3





#25

2-Butanone

Concen: 1820.59 ug/l

RT: 5.60 min Scan# 546

Delta R.T. -0.02 min

Lab File: VD059894.D

Acq: 23 Aug 2018 18:01

Instrument :

MSVOA\_D

ClientSampleId :

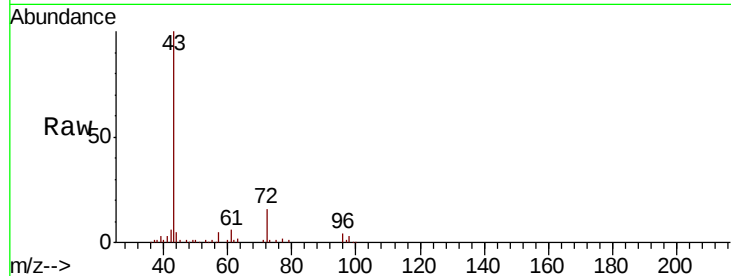
RA-081718-WSW-20-053

Tot Ion: 43 Resp: 433448

Ion Ratio Lower Upper

43 100

72 16.1 12.3 18.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

150000

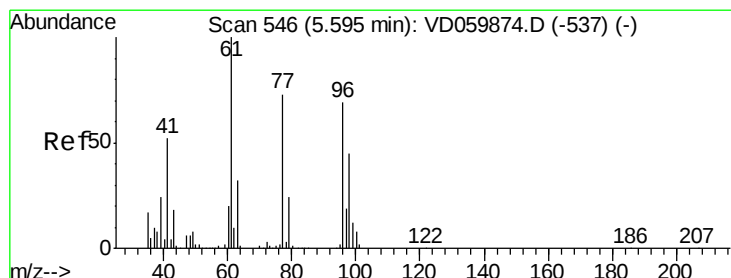
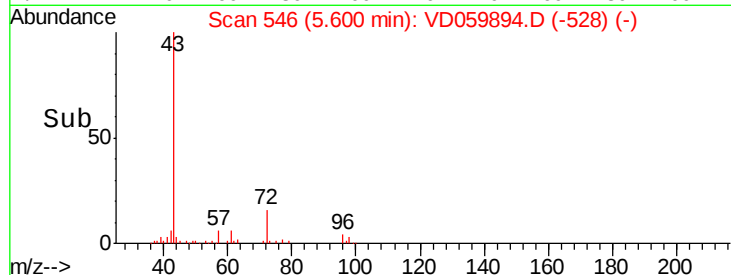
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#26

2,2-Dichloropropane

Concen: 41.70 ug/l

RT: 5.57 min Scan# 543

Delta R.T. -0.02 min

Lab File: VD059894.D

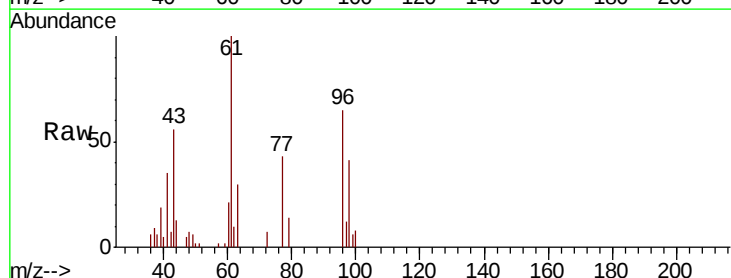
Acq: 23 Aug 2018 18:01

Tgt Ion: 77 Resp: 31859

Ion Ratio Lower Upper

77 100

97 26.9 13.0 38.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

12000

10000

8000

6000

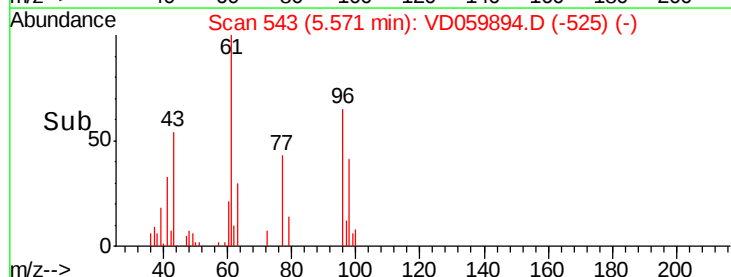
4000

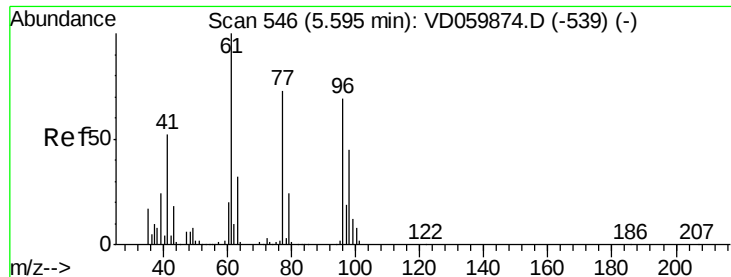
2000

0

5.50 5.60 5.70

Time-->



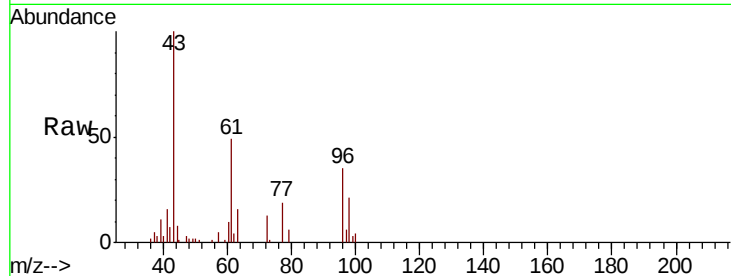


#27

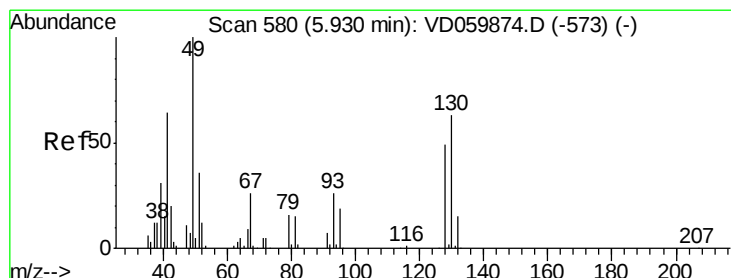
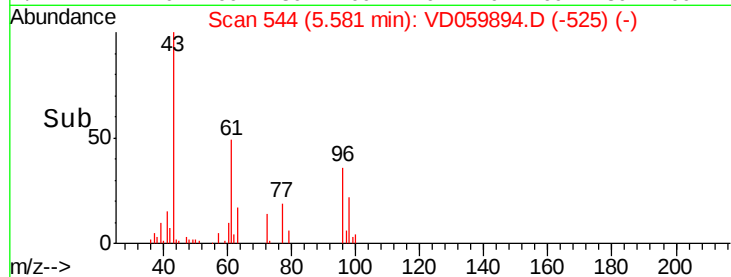
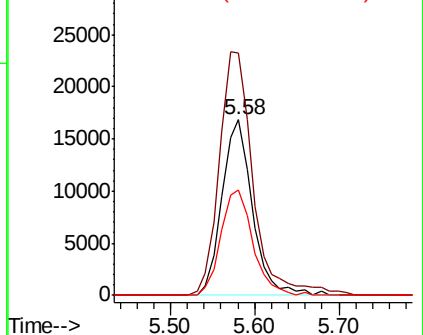
cis-1,2-Dichloroethene  
 Concen: 76.58 ug/l  
 RT: 5.58 min Scan# 544  
 Delta R.T. -0.01 min  
 Lab File: VD059894.D  
 Acq: 23 Aug 2018 18:01

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 RA-081718-WSW-20-053

| Tot Ion | 96    | Resp  | 42353 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 96      | 100   |       |       |
| 61      | 137.7 | 0.0   | 290.2 |
| 98      | 60.3  | 0.0   | 130.4 |



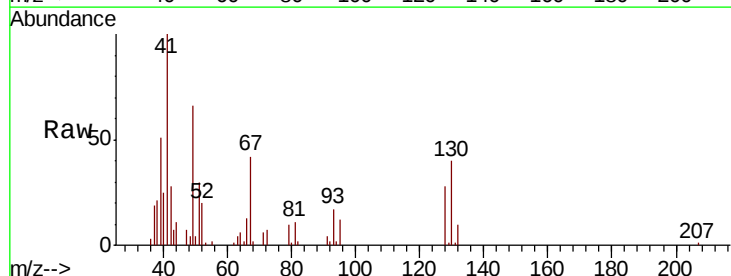
Abundance Ion 95.90 (95.60 to 96.60): VDC  
 Ion 60.95 (60.65 to 61.65): VDC  
 Ion 97.85 (97.55 to 98.55): VDC



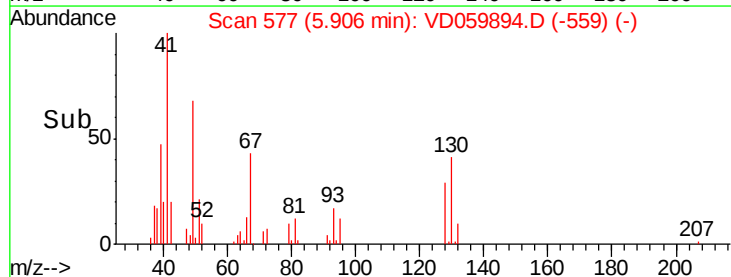
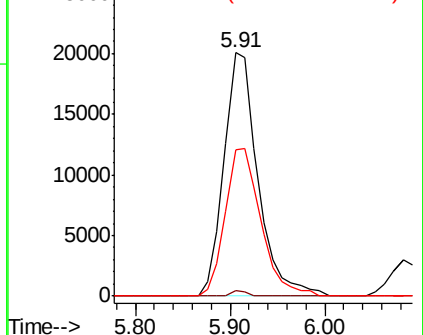
#28

Bromochloromethane  
 Concen: 113.87 ug/l  
 RT: 5.91 min Scan# 577  
 Delta R.T. -0.02 min  
 Lab File: VD059894.D  
 Acq: 23 Aug 2018 18:01

| Tgt Ion | 49    | Resp  | 49872 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 49      | 100   |       |       |
| 129     | 2.0   | 0.0   | 3.2   |
| 130     | 59.9  | 50.6  | 75.8  |



Abundance Ion 48.90 (48.60 to 49.60): VDC  
 Ion 128.80 (128.50 to 129.50): V  
 Ion 129.80 (129.50 to 130.50): V

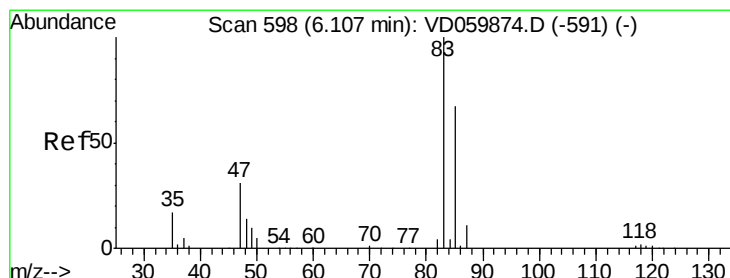
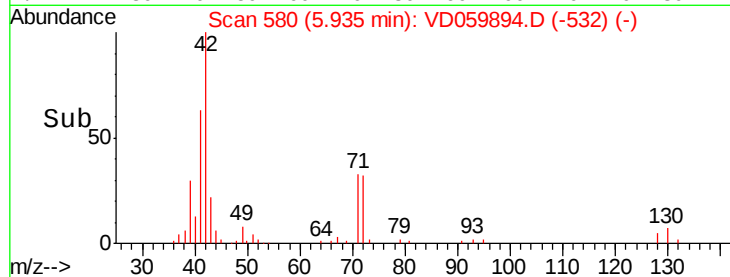
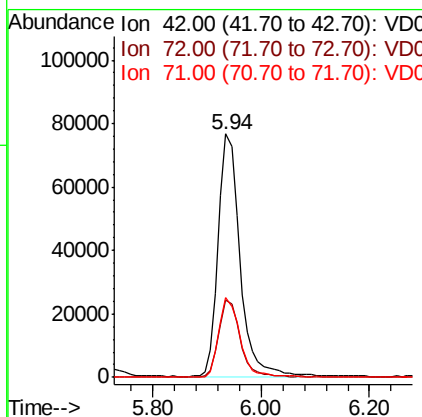
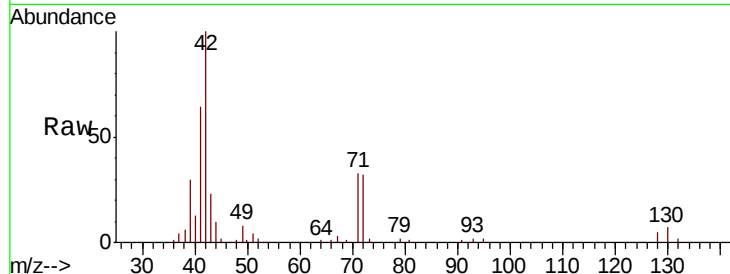




#29  
Tetrahydrofuran  
Concen: 1924.16 ug/l  
RT: 5.94 min Scan# 580  
Delta R.T. -0.02 min  
Lab File: VD059894.D  
Acq: 23 Aug 2018 18:01

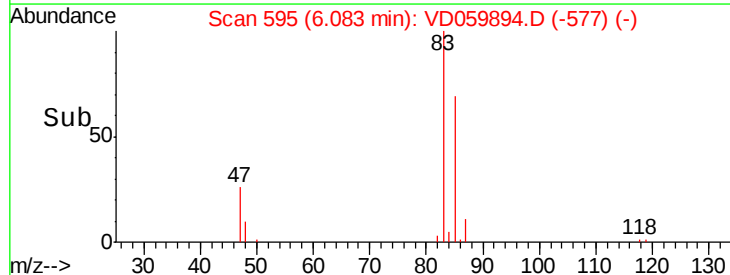
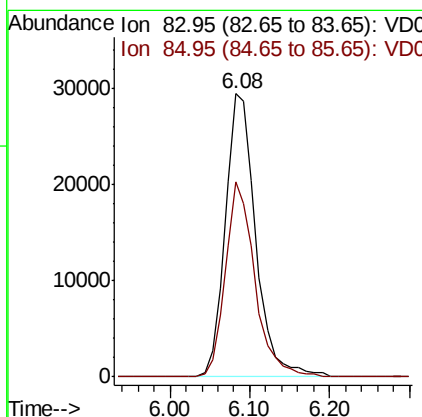
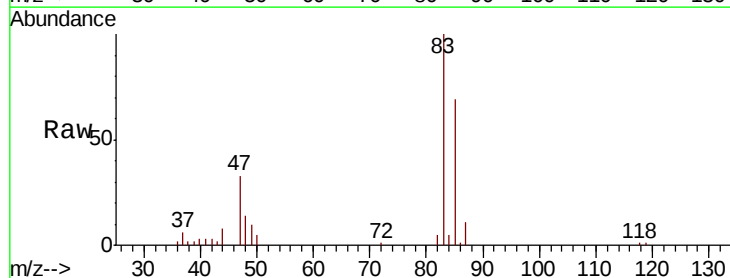
Instrument :  
MSVOA\_D  
ClientSampleId :  
RA-081718-WSW-20-053

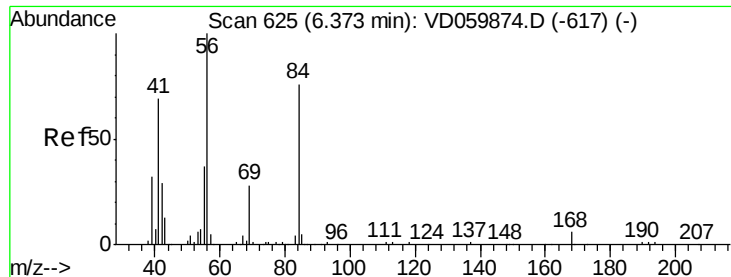
Tot Ion: 42 Resp: 218094  
Ion Ratio Lower Upper  
42 100  
72 30.6 25.7 38.5  
71 31.3 25.3 37.9



#30  
Chloroform  
Concen: 84.88 ug/l  
RT: 6.08 min Scan# 595  
Delta R.T. -0.02 min  
Lab File: VD059894.D  
Acq: 23 Aug 2018 18:01

Tgt Ion: 83 Resp: 78828  
Ion Ratio Lower Upper  
83 100  
85 68.9 53.5 80.3

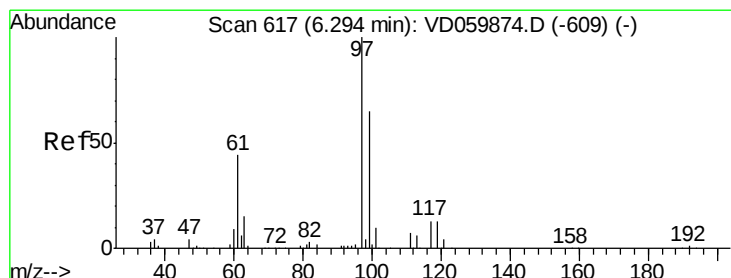
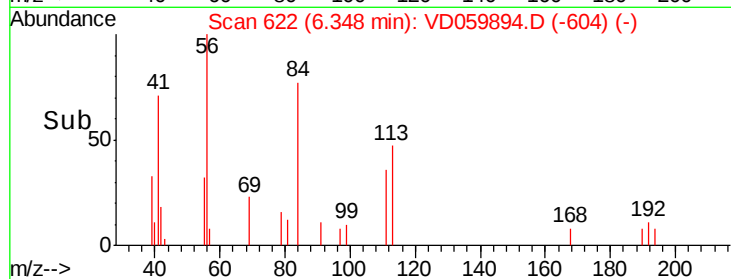
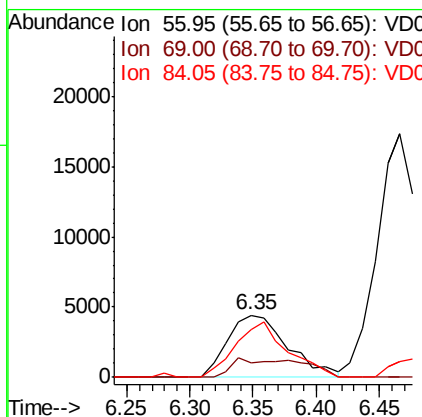
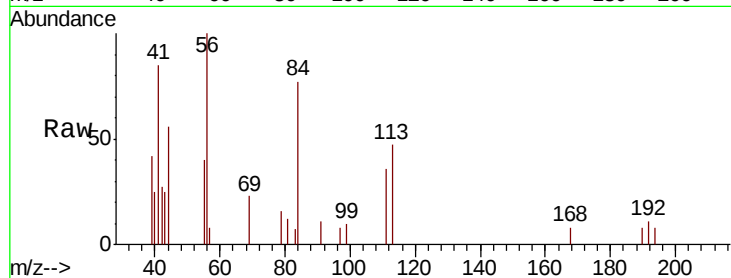




#31  
Cvclohexane  
Concen: 17.45 ug/l  
RT: 6.35 min Scan# 622  
Delta R.T. -0.02 min  
Lab File: VD059894.D  
Acq: 23 Aug 2018 18:01

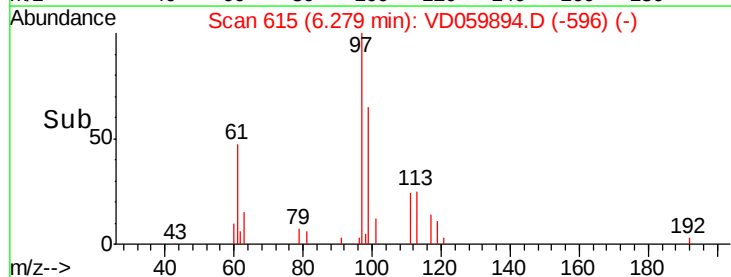
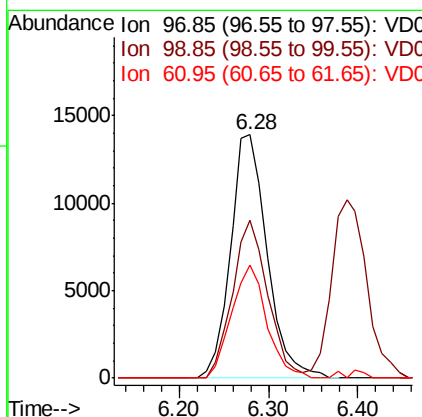
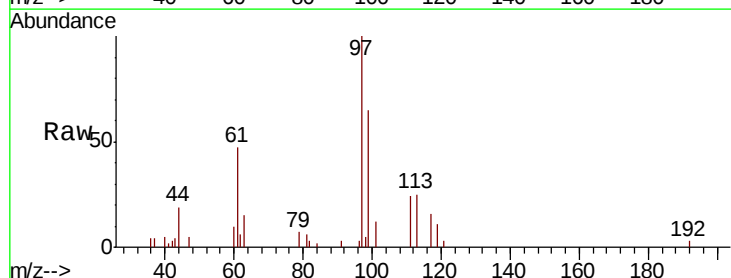
Instrument :  
MSVOA\_D  
ClientSampleId :  
RA-081718-WSW-20-053

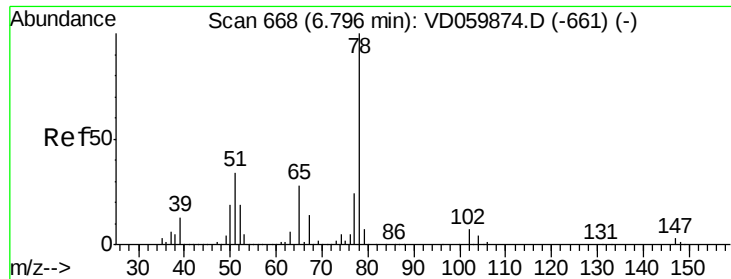
Tot Ion: 56 Resp: 14659  
Ion Ratio Lower Upper  
56 100  
69 22.6 22.4 33.6  
84 77.5 62.1 93.1



#32  
1,1,1-Trichloroethane  
Concen: 50.46 ug/l  
RT: 6.28 min Scan# 615  
Delta R.T. -0.01 min  
Lab File: VD059894.D  
Acq: 23 Aug 2018 18:01

Tgt Ion: 97 Resp: 39774  
Ion Ratio Lower Upper  
97 100  
99 64.9 51.7 77.5  
61 46.7 35.4 53.2





#33

1,2-Dichloroethane-d4

Concen: 50.46 ug/l

RT: 6.77 min Scan# 665

Delta R.T. -0.02 min

Lab File: VD059894.D

Acq: 23 Aug 2018 18:01

Instrument :

MSVOA\_D

ClientSampleId :

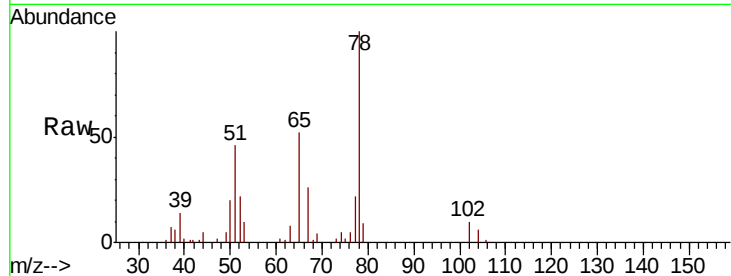
RA-081718-WSW-20-053

Tot Ion: 65 Resp: 56452

Ion Ratio Lower Upper

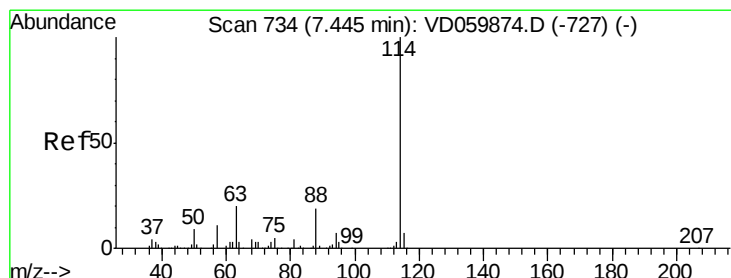
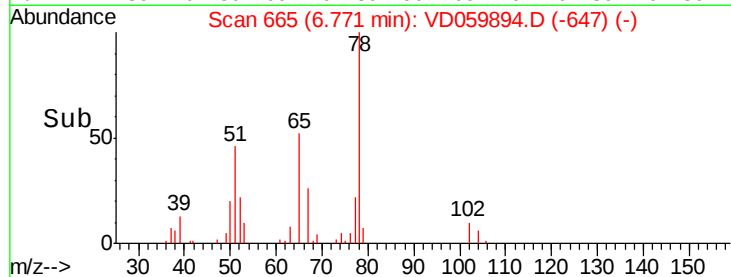
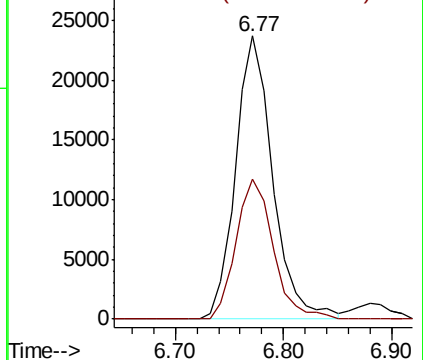
65 100

67 49.4 0.0 103.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.43 min Scan# 732

Delta R.T. -0.01 min

Lab File: VD059894.D

Acq: 23 Aug 2018 18:01

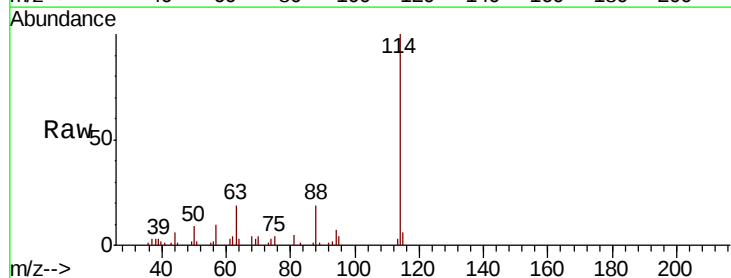
Tgt Ion:114 Resp: 104935

Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.4

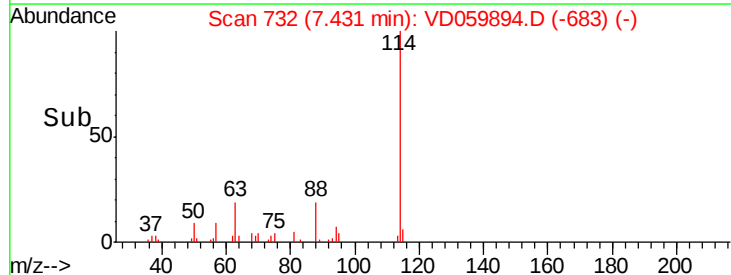
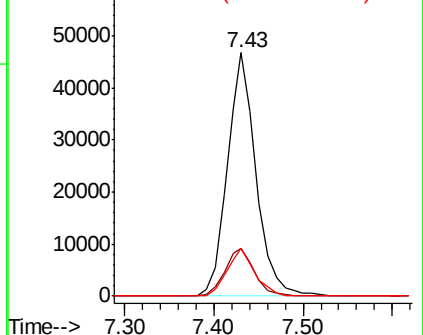
88 19.4 0.0 37.6

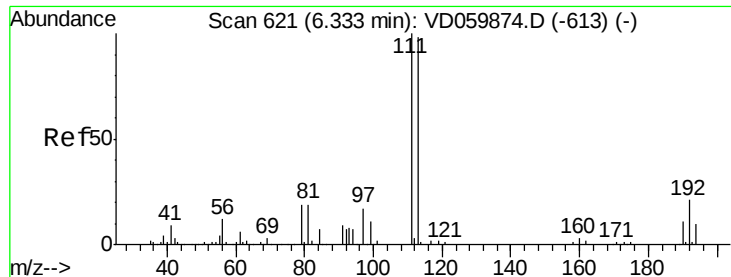


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

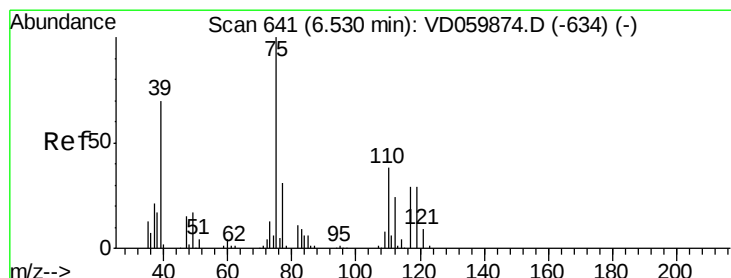
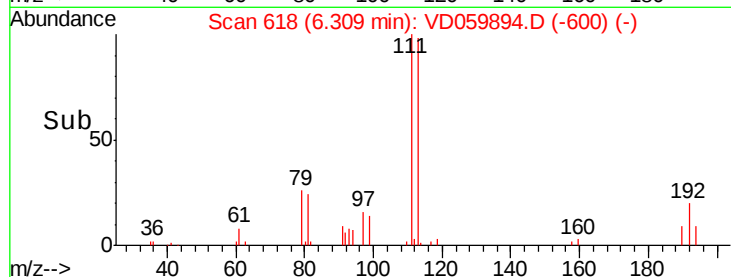
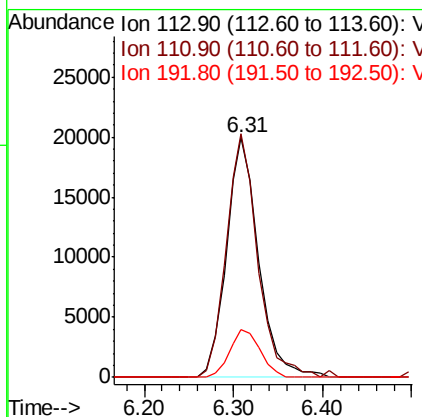
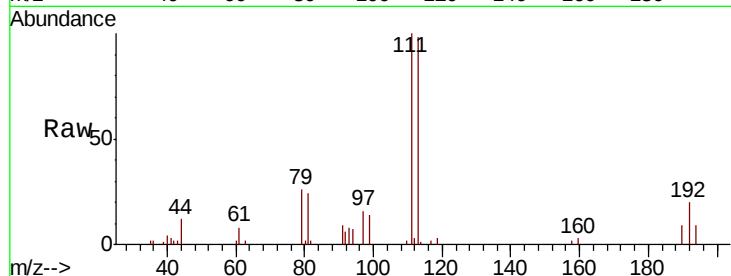




#35  
 Dibromofluoromethane  
 Concen: 50.00 ug/l  
 RT: 6.31 min Scan# 618  
 Delta R.T. -0.02 min  
 Lab File: VD059894.D  
 Acq: 23 Aug 2018 18:01

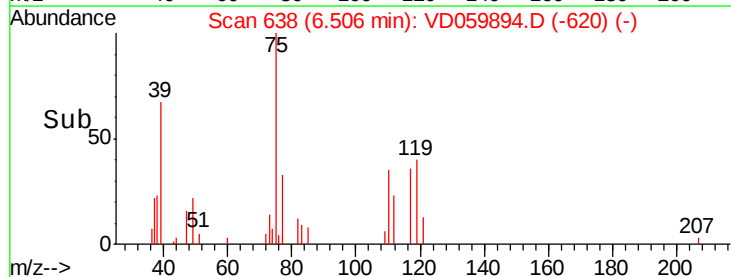
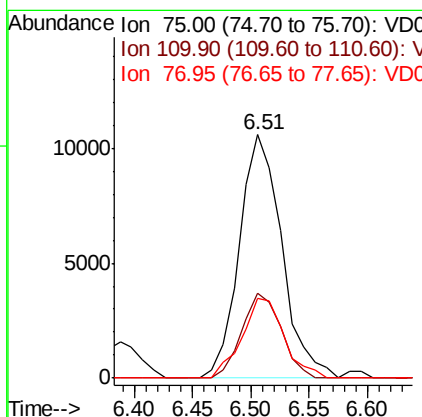
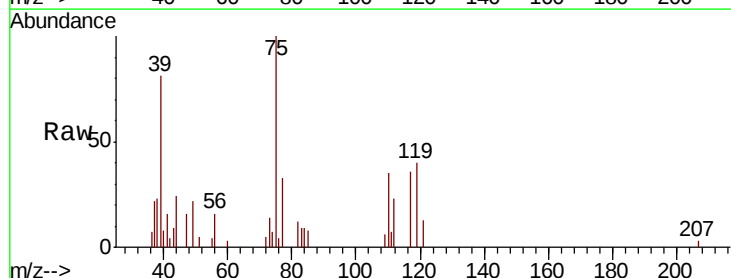
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 RA-081718-WSW-20-053

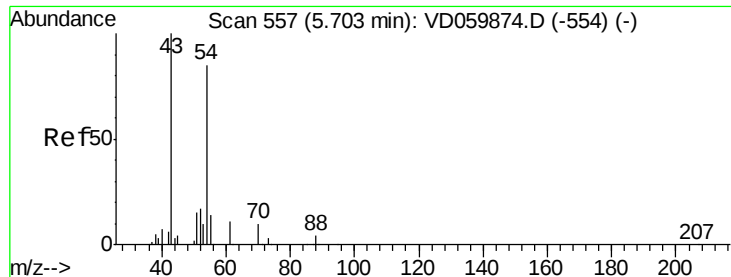
Tot Ion:113 Resp: 50131  
 Ion Ratio Lower Upper  
 113 100  
 111 101.8 81.4 122.2  
 192 20.1 17.0 25.6



#36  
 1,1-Dichloropropene  
 Concen: 28.08 ug/l  
 RT: 6.51 min Scan# 638  
 Delta R.T. -0.02 min  
 Lab File: VD059894.D  
 Acq: 23 Aug 2018 18:01

Tgt Ion: 75 Resp: 26715  
 Ion Ratio Lower Upper  
 75 100  
 110 34.7 18.6 56.0  
 77 32.8 25.1 37.7





#37

Ethyl Acetate

Concen: 587.56 ug/l

RT: 5.60 min Scan# 546

Delta R.T. -0.10 min

Lab File: VD059894.D

Acq: 23 Aug 2018 18:01

Instrument :

MSVOA\_D

ClientSampleId :

RA-081718-WSW-20-053

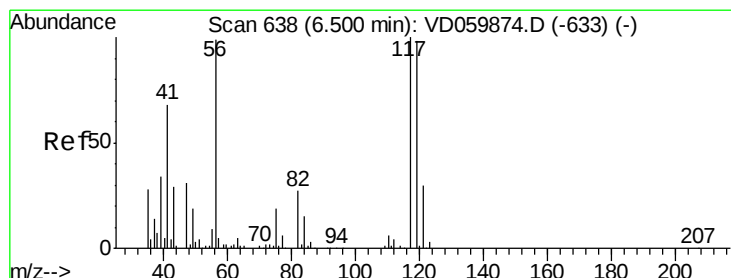
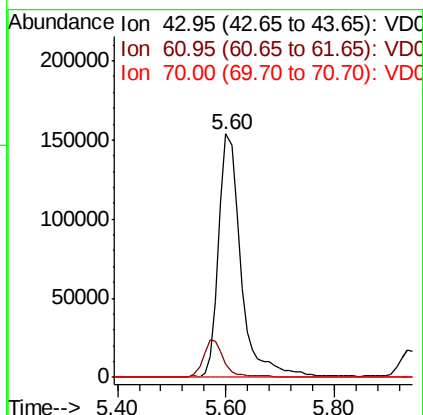
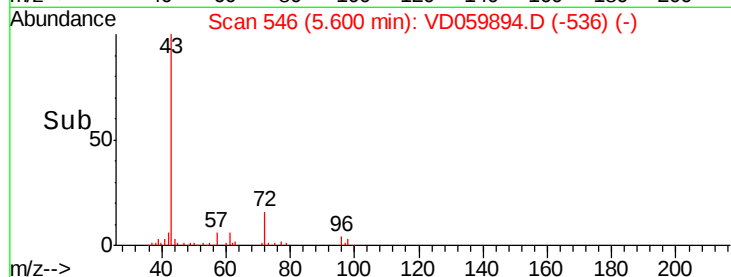
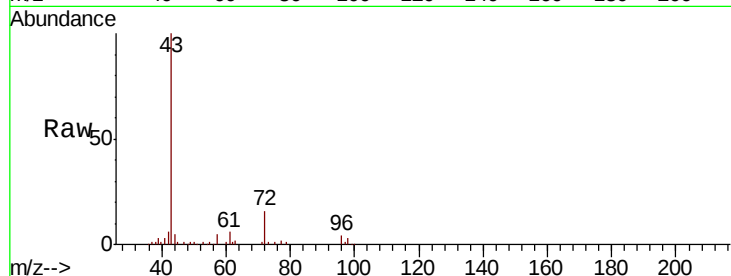
Tot Ion: 43 Resp: 434924

Ion Ratio Lower Upper

43 100

61 5.6 11.0 16.6#

70 0.0 5.7 8.5#



#38

Carbon Tetrachloride

Concen: 24.87 ug/l

RT: 6.49 min Scan# 636

Delta R.T. -0.01 min

Lab File: VD059894.D

Acq: 23 Aug 2018 18:01

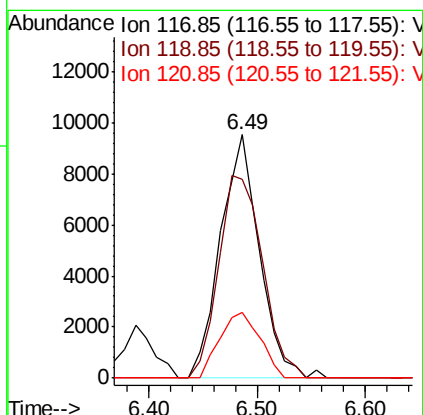
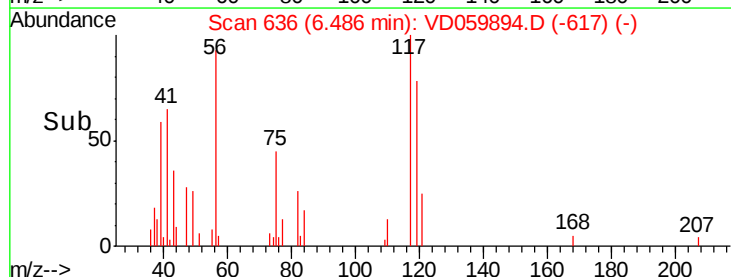
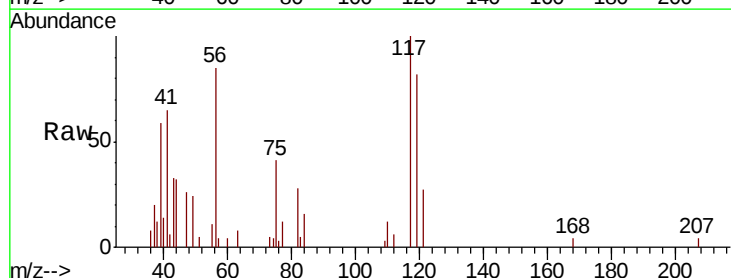
Tgt Ion: 117 Resp: 23877

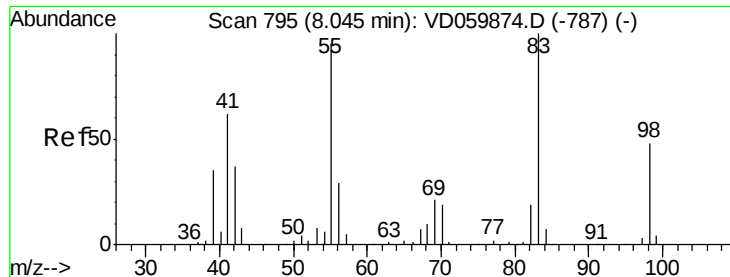
Ion Ratio Lower Upper

117 100

119 81.8 77.2 115.8

121 27.0 24.0 36.0

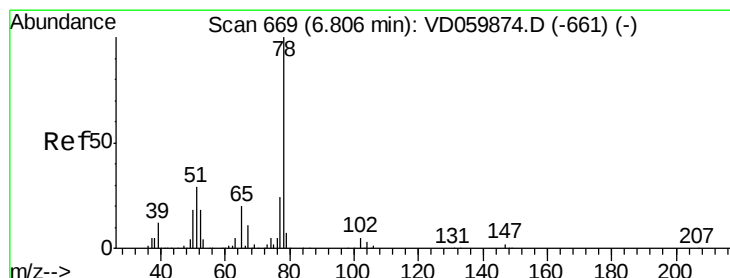
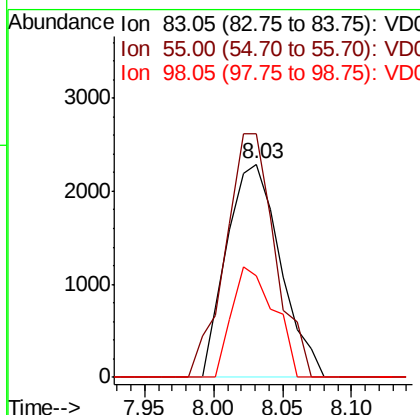
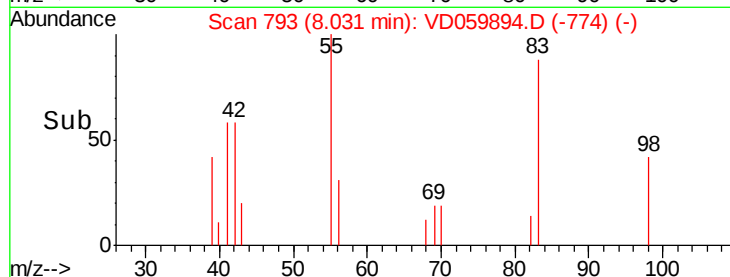
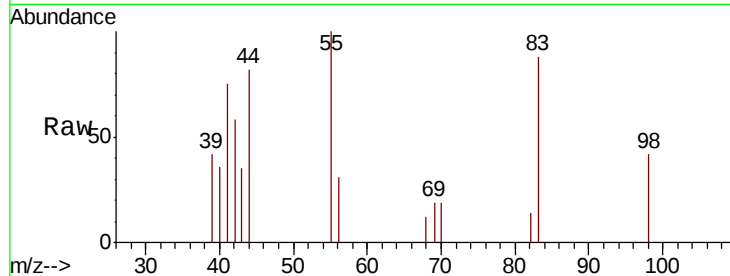




#39  
Methvlcvclohexane  
Concen: 6.05 ug/l  
RT: 8.03 min Scan# 793  
Delta R.T. -0.01 min  
Lab File: VD059894.D  
Acq: 23 Aug 2018 18:01

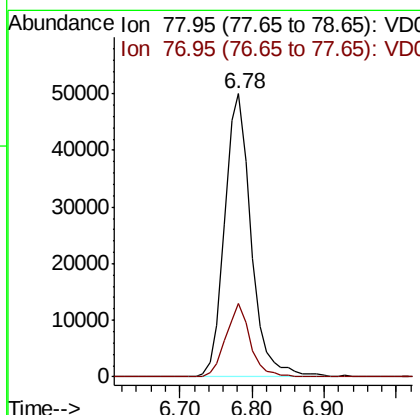
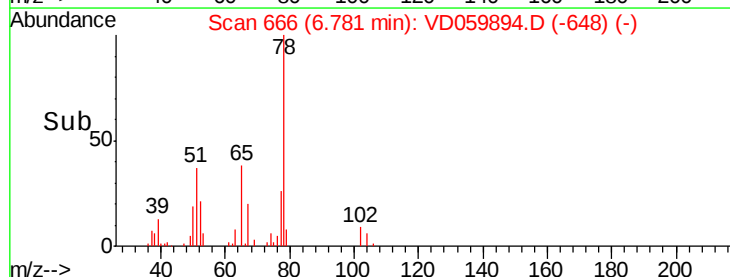
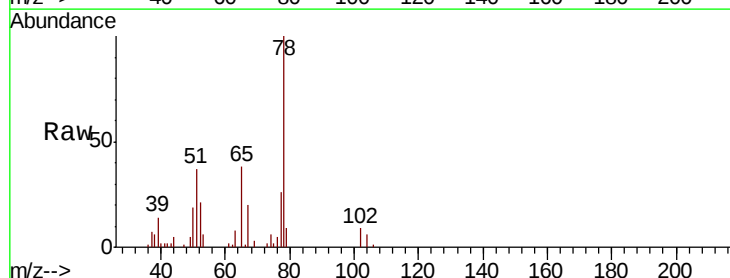
Instrument :  
MSVOA\_D  
ClientSampleId :  
RA-081718-WSW-20-053

Tot Ion: 83 Resp: 6219  
Ion Ratio Lower Upper  
83 100  
55 114.2 75.8 113.6#  
98 47.5 38.3 57.5



#40  
Benzene  
Concen: 51.61 ug/l  
RT: 6.78 min Scan# 666  
Delta R.T. -0.02 min  
Lab File: VD059894.D  
Acq: 23 Aug 2018 18:01

Tgt Ion: 78 Resp: 127643  
Ion Ratio Lower Upper  
78 100  
77 26.0 19.0 28.4

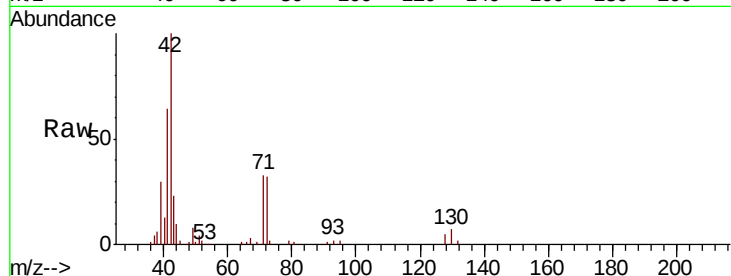




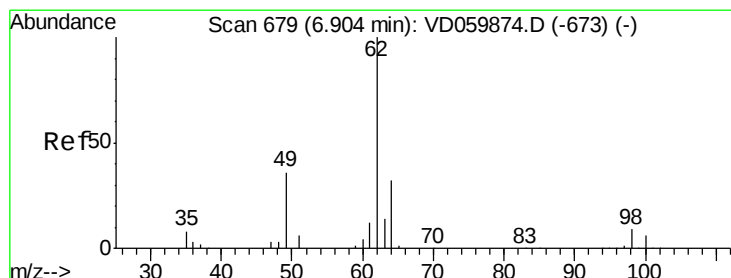
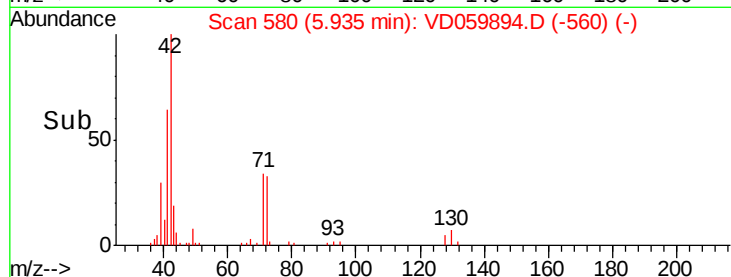
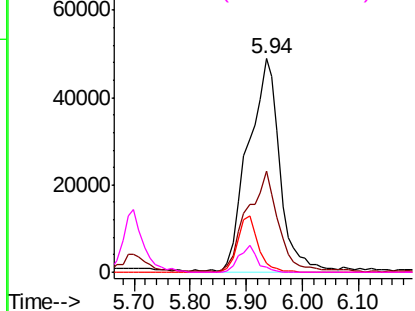
#41  
Methacrylonitrile  
Concen: 517.35 ug/l  
RT: 5.94 min Scan# 580  
Delta R.T. -0.00 min  
Lab File: VD059894.D  
Acq: 23 Aug 2018 18:01

Instrument :  
MSVOA\_D  
ClientSampleId :  
RA-081718-WSW-20-053

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 47.1  | 39.4  | 59.2  |
| 67      | 4.5   | 22.2  | 33.2# |
| 52      | 2.5   | 10.1  | 15.1# |

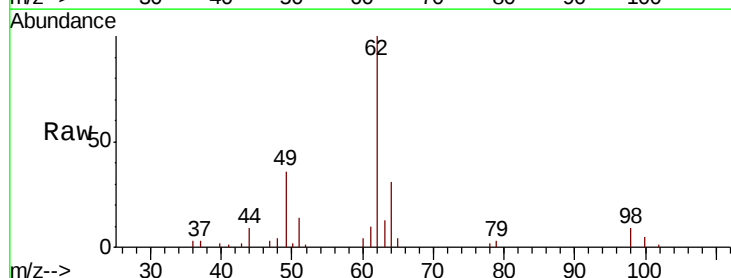


Abundance Ion 40.95 (40.65 to 41.65): VDC  
Ion 38.95 (38.65 to 39.65): VDC  
Ion 67.00 (66.70 to 67.70): VDC  
Ion 52.00 (51.70 to 52.70): VDC

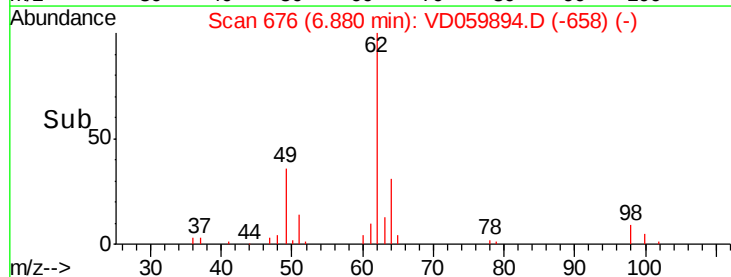
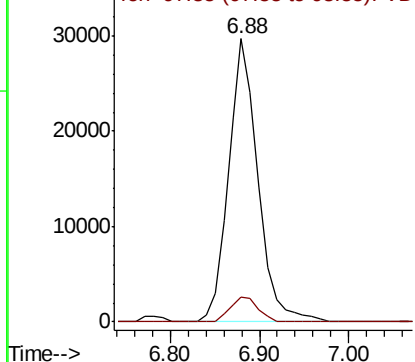


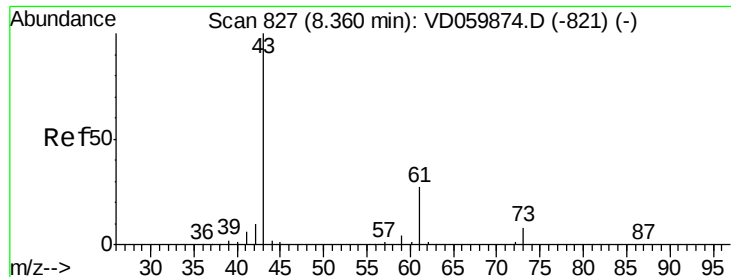
#42  
1,2-Dichloroethane  
Concen: 86.05 ug/l  
RT: 6.88 min Scan# 676  
Delta R.T. -0.02 min  
Lab File: VD059894.D  
Acq: 23 Aug 2018 18:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 8.8   | 0.0   | 18.4  |



Abundance Ion 61.95 (61.65 to 62.65): VDC  
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 9.32 ug/l

RT: 8.34 min Scan# 824

Delta R.T. -0.02 min

Lab File: VD059894.D

Acq: 23 Aug 2018 18:01

Instrument :

MSVOA\_D

ClientSampleId :

RA-081718-WSW-20-053

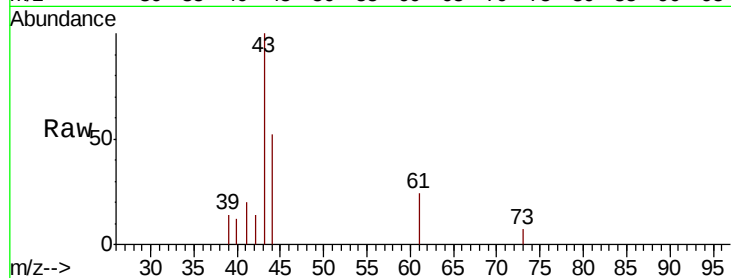
Tot Ion: 43 Resp: 8974

Ion Ratio Lower Upper

43 100

61 24.0 21.4 32.2

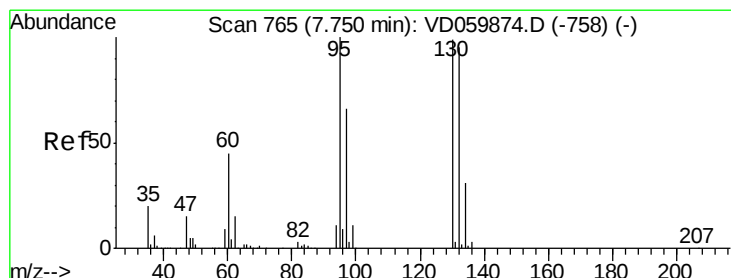
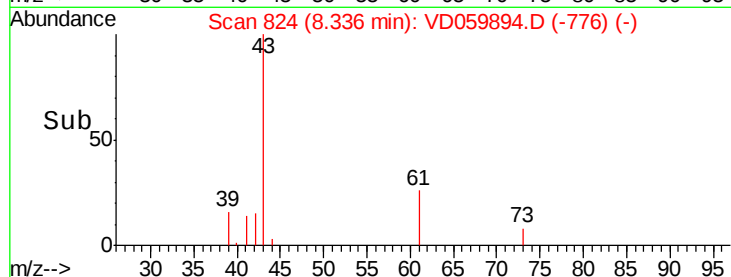
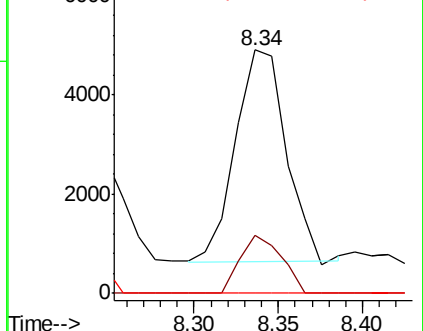
87 0.0 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 36.50 ug/l

RT: 7.73 min Scan# 762

Delta R.T. -0.02 min

Lab File: VD059894.D

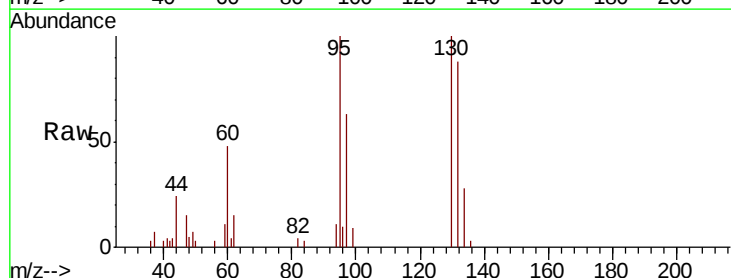
Acq: 23 Aug 2018 18:01

Tgt Ion:130 Resp: 26583

Ion Ratio Lower Upper

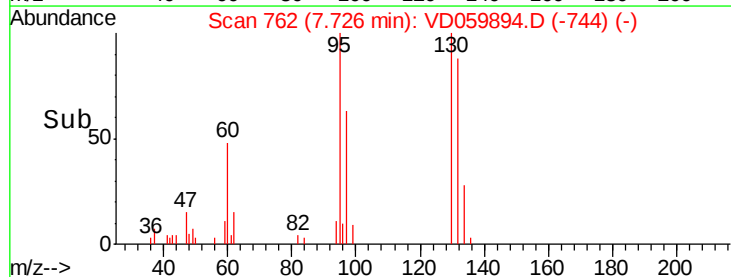
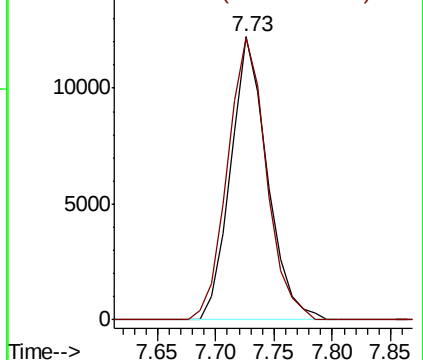
130 100

95 99.9 0.0 202.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 64.37 ug/l

RT: 8.09 min Scan# 799

Delta R.T. -0.02 min

Lab File: VD059894.D

Acq: 23 Aug 2018 18:01

Instrument :

MSVOA\_D

ClientSampleId :

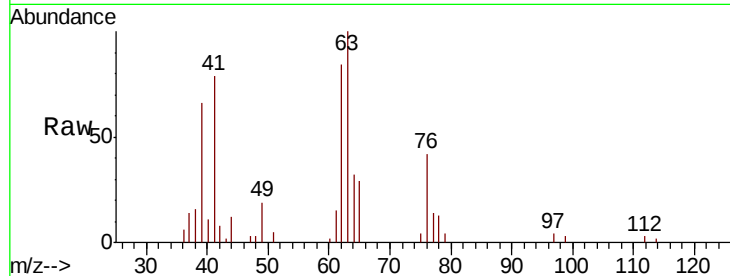
RA-081718-WSW-20-053

Tot Ion: 63 Resp: 44501

Ion Ratio Lower Upper

63 100

65 28.7 23.5 35.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.09

20000

15000

10000

5000

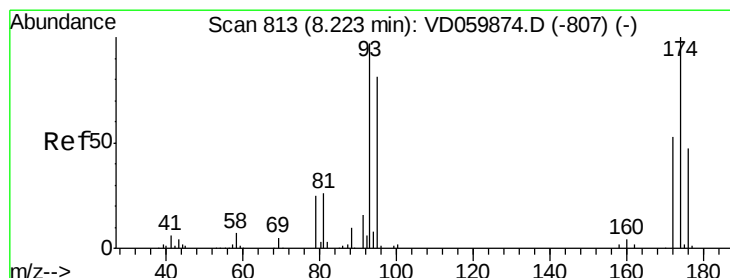
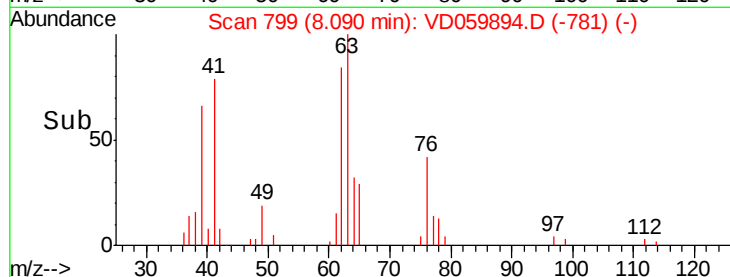
0

8.00

8.10

8.20

Time-->



#46

Dibromomethane

Concen: 89.33 ug/l

RT: 8.21 min Scan# 811

Delta R.T. -0.01 min

Lab File: VD059894.D

Acq: 23 Aug 2018 18:01

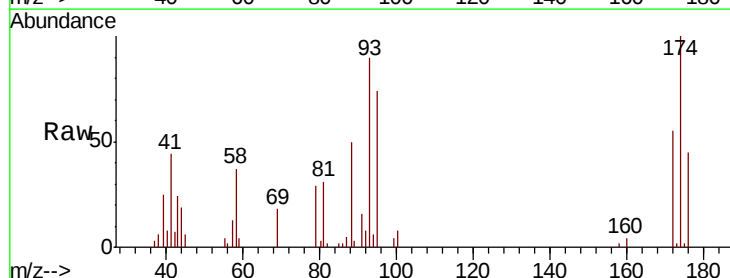
Tgt Ion: 93 Resp: 39711

Ion Ratio Lower Upper

93 100

95 82.2 66.6 100.0

174 111.1 82.4 123.6



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

25000

20000

15000

10000

5000

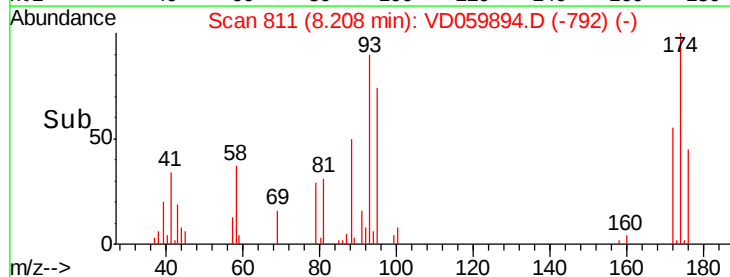
0

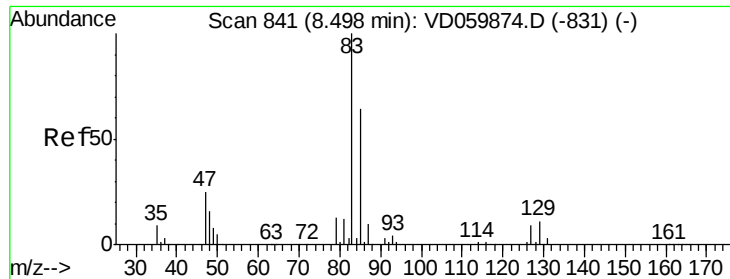
8.10

8.20

8.30

Time-->





#47

Bromodichloromethane

Concen: 67.94 ug/l

RT: 8.48 min Scan# 839

Delta R.T. -0.01 min

Lab File: VD059894.D

Acq: 23 Aug 2018 18:01

Instrument :

MSVOA\_D

ClientSampleId :

RA-081718-WSW-20-053

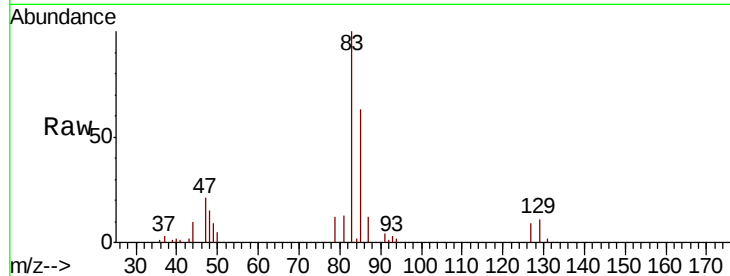
Tot Ion: 83 Resp: 68368

Ion Ratio Lower Upper

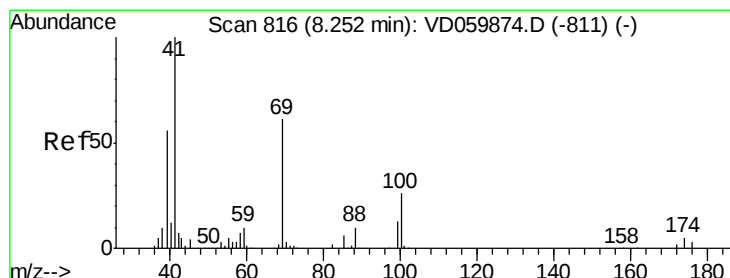
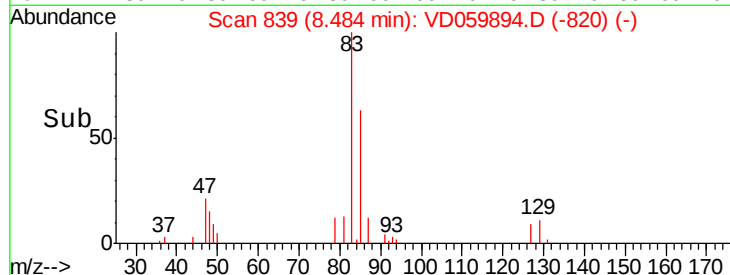
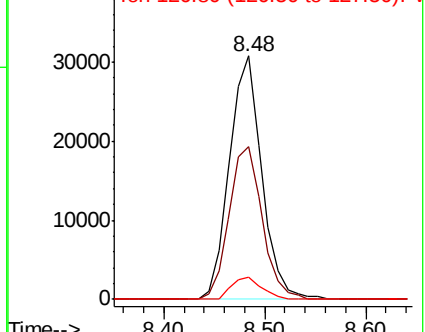
83 100

85 62.9 51.3 76.9

127 9.1 7.0 10.4



Abundance Ion 82.85 (82.55 to 83.55): VDC  
Ion 84.95 (84.65 to 85.65): VDC  
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 209.45 ug/l

RT: 8.24 min Scan# 814

Delta R.T. -0.01 min

Lab File: VD059894.D

Acq: 23 Aug 2018 18:01

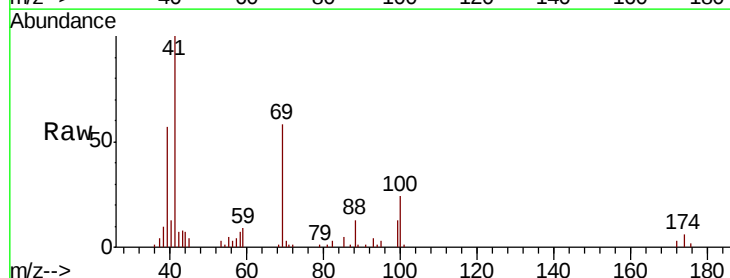
Tgt Ion: 41 Resp: 117577

Ion Ratio Lower Upper

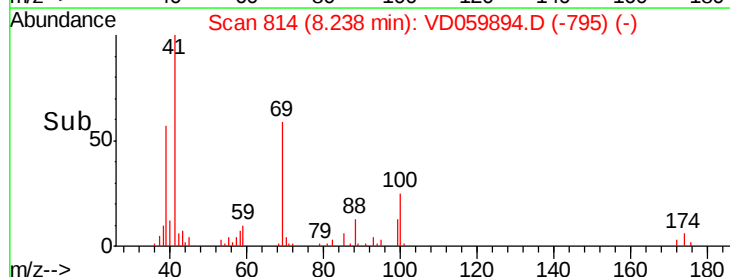
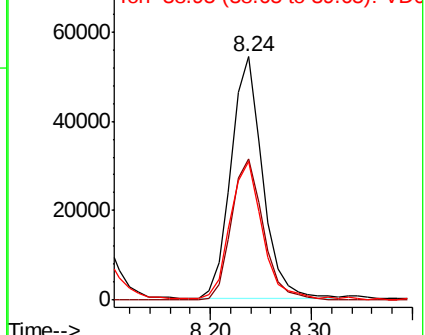
41 100

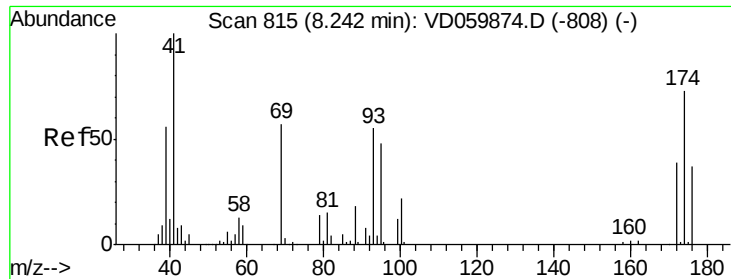
69 58.2 48.0 72.0

39 57.0 45.4 68.0



Abundance Ion 40.95 (40.65 to 41.65): VDC  
Ion 69.00 (68.70 to 69.70): VDC  
Ion 38.95 (38.65 to 39.65): VDC

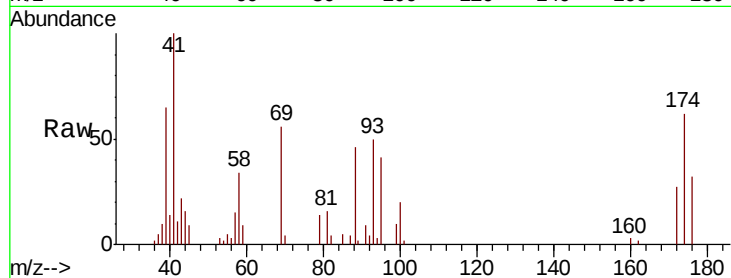




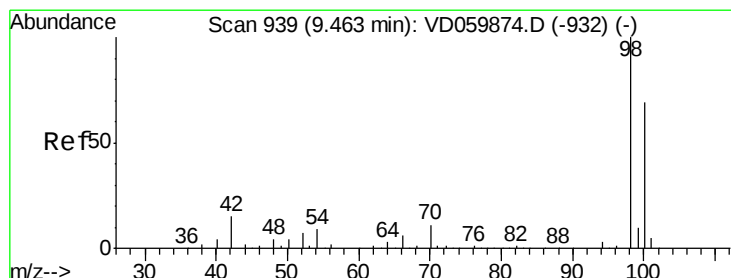
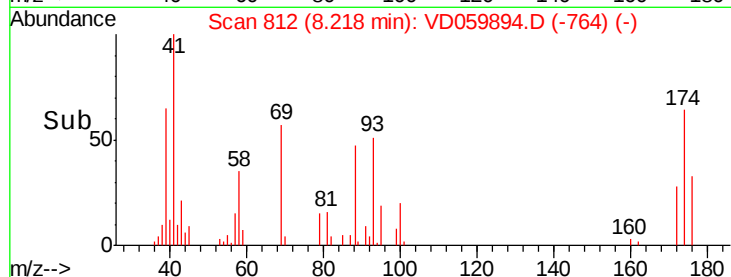
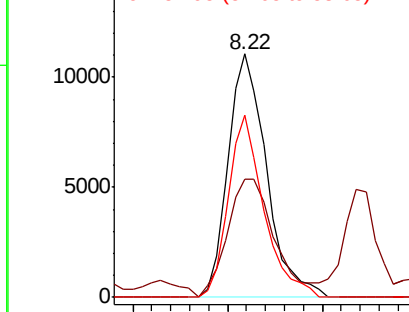
#49  
1,4-Dioxane  
Concen: 6184.64 ug/l  
RT: 8.22 min Scan# 812  
Delta R.T. -0.02 min  
Lab File: VD059894.D  
Acq: 23 Aug 2018 18:01

Instrument :  
MSVOA\_D  
ClientSampleId :  
RA-081718-WSW-20-053

Tot Ion: 88 Resp: 30996  
Ion Ratio Lower Upper  
88 100  
43 48.3 45.0 67.6  
58 74.8 55.8 83.8

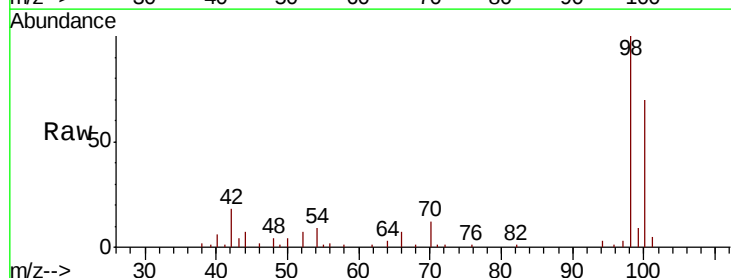


Abundance Ion 88.00 (87.70 to 88.70): VDC  
Ion 43.05 (42.75 to 43.75): VDC  
Ion 57.95 (57.65 to 58.65): VDC

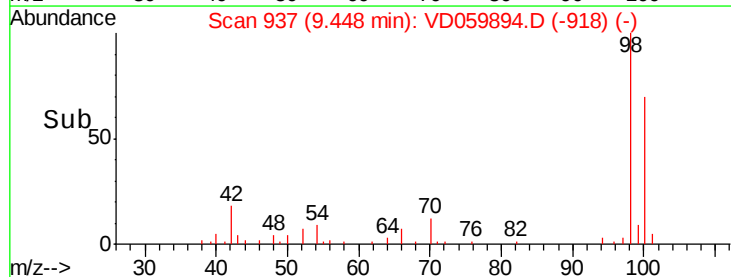
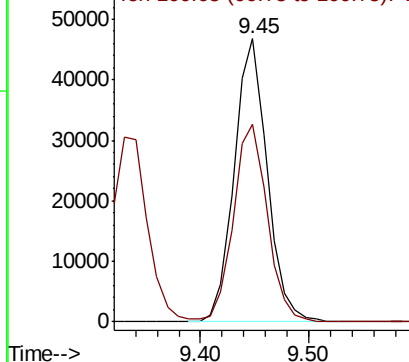


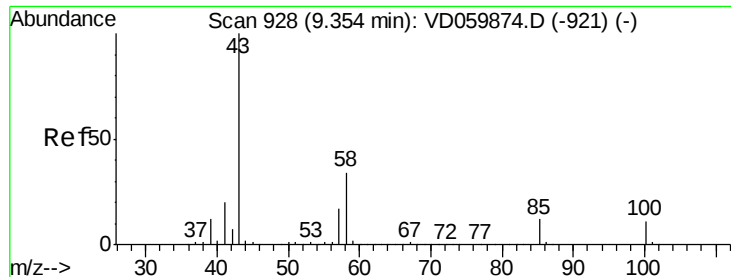
#50  
Toluene-d8  
Concen: 6184.64 ug/l  
RT: 9.45 min Scan# 937  
Delta R.T. -0.01 min  
Lab File: VD059894.D  
Acq: 23 Aug 2018 18:01

Tgt Ion: 98 Resp: 99006  
Ion Ratio Lower Upper  
98 100  
100 69.6 55.8 83.6



Abundance Ion 98.05 (97.75 to 98.75): VDC  
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 1062.28 ug/l

RT: 9.33 min Scan# 925

Delta R.T. -0.02 min

Lab File: VD059894.D

Acq: 23 Aug 2018 18:01

Instrument :

MSVOA\_D

ClientSampleId :

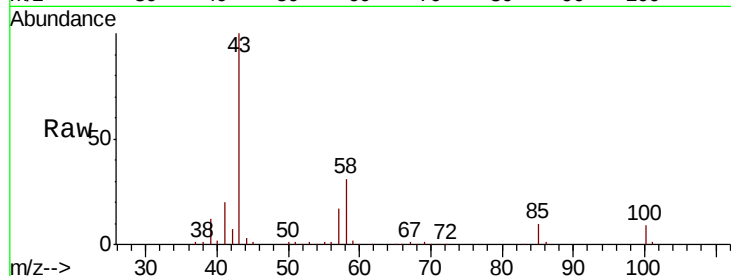
RA-081718-WSW-20-053

Tot Ion: 43 Resp: 762648

Ion Ratio Lower Upper

43 100

58 31.3 27.0 40.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.33

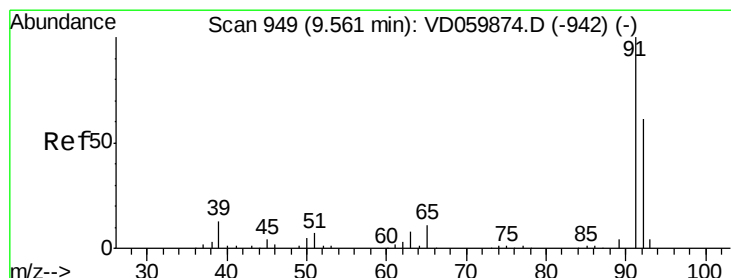
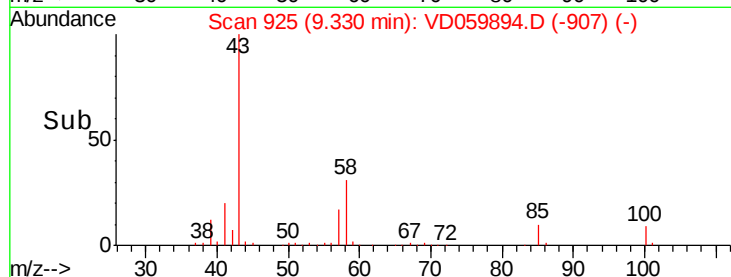
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 43.19 ug/l

RT: 9.54 min Scan# 946

Delta R.T. -0.02 min

Lab File: VD059894.D

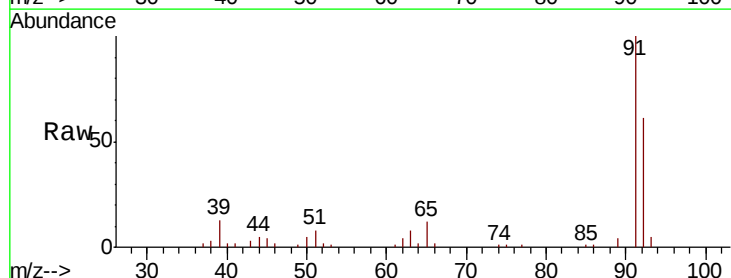
Acq: 23 Aug 2018 18:01

Tgt Ion: 92 Resp: 68499

Ion Ratio Lower Upper

92 100

91 162.8 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.54

60000

50000

40000

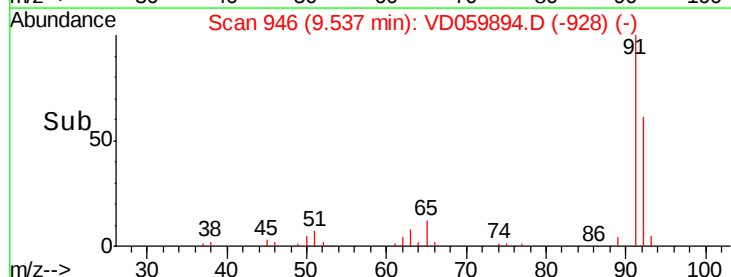
30000

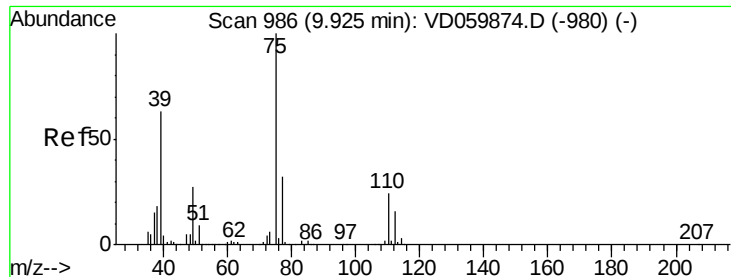
20000

10000

0

Time-->

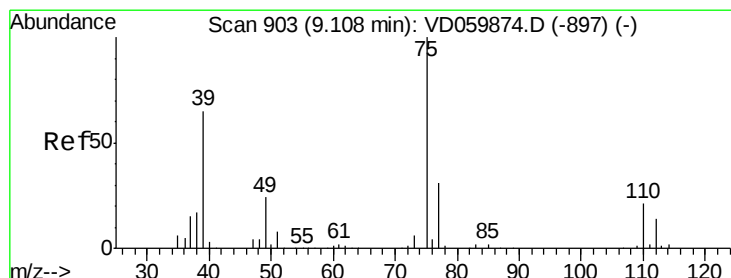
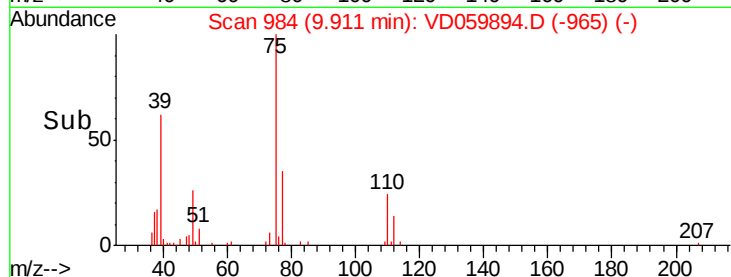
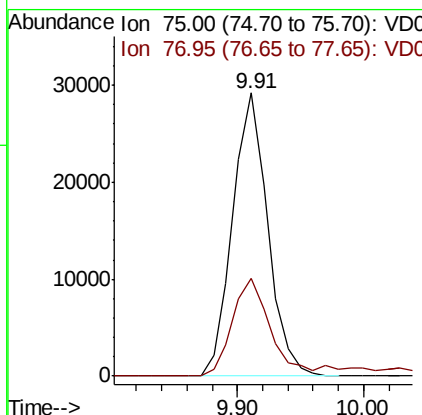
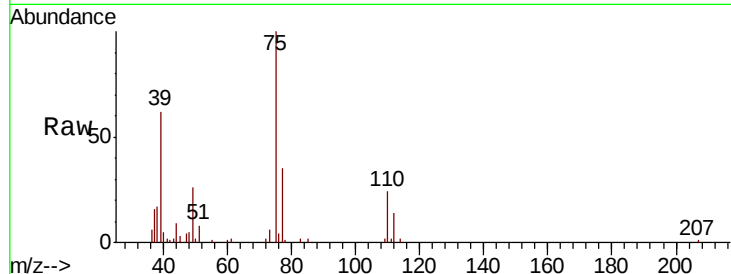




#53  
 t-1,3-Dichloropropene  
 Concen: 60.32 ug/l  
 RT: 9.91 min Scan# 984  
 Delta R.T. -0.01 min  
 Lab File: VD059894.D  
 Acq: 23 Aug 2018 18:01

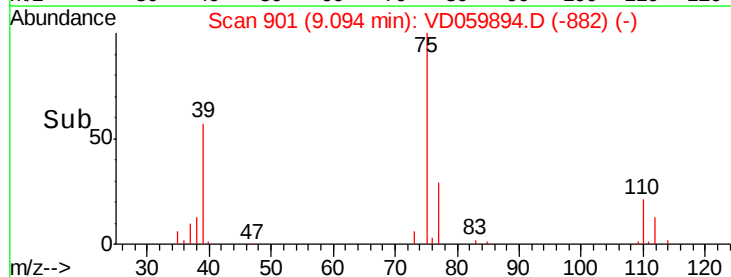
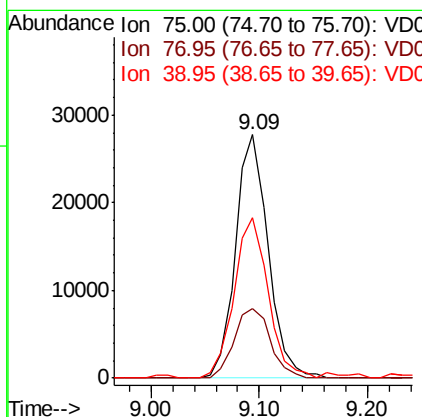
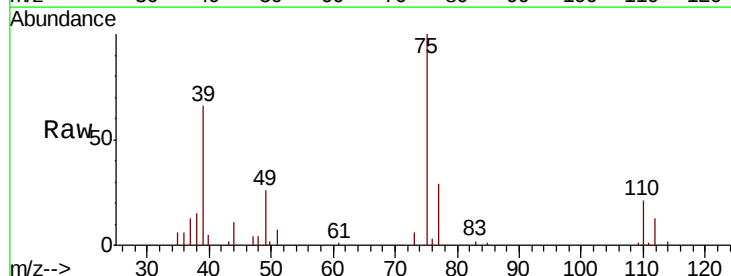
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 RA-081718-WSW-20-053

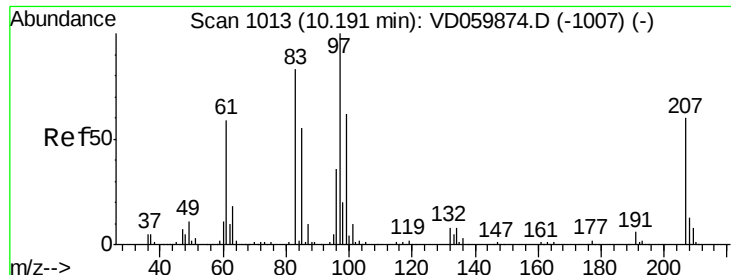
Tot Ion: 75 Resp: 56144  
 Ion Ratio Lower Upper  
 75 100  
 77 34.5 25.4 38.2



#54  
 cis-1,3-Dichloropropene  
 Concen: 53.66 ug/l  
 RT: 9.09 min Scan# 901  
 Delta R.T. -0.01 min  
 Lab File: VD059894.D  
 Acq: 23 Aug 2018 18:01

Tgt Ion: 75 Resp: 57912  
 Ion Ratio Lower Upper  
 75 100  
 77 28.7 24.8 37.2  
 39 66.0 52.1 78.1





#55

1,1,2-Trichloroethane

Concen: 93.94 ug/l

RT: 10.18 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VD059894.D

Acq: 23 Aug 2018 18:01

Instrument :

MSVOA\_D

ClientSampleId :

RA-081718-WSW-20-053

Tot Ion: 97 Resp: 54460

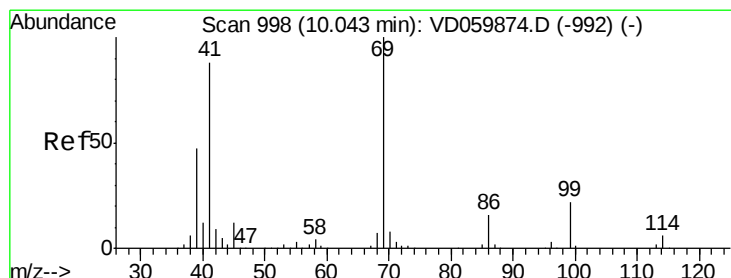
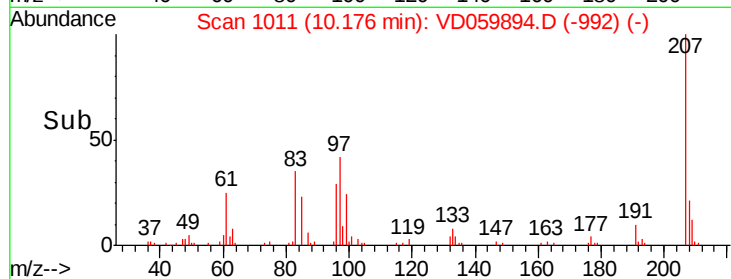
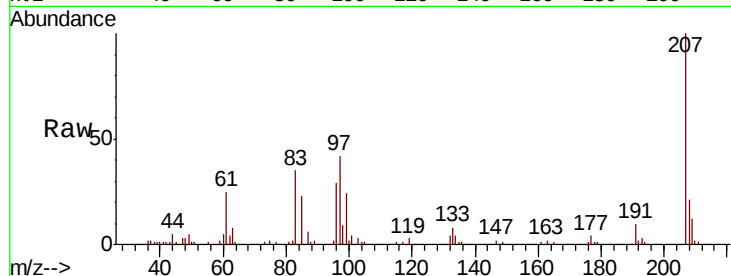
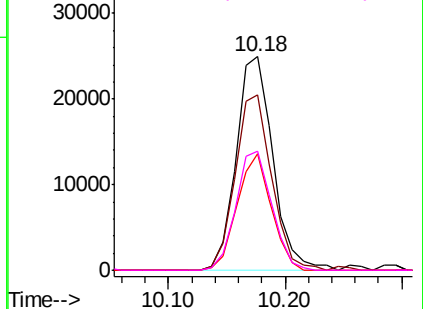
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 81.9  | 66.7  | 100.1 |
| 85  | 54.5  | 43.8  | 65.6  |
| 99  | 55.6  | 49.8  | 74.6  |

Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 26.83 ug/l

RT: 10.02 min Scan# 995

Delta R.T. -0.02 min

Lab File: VD059894.D

Acq: 23 Aug 2018 18:01

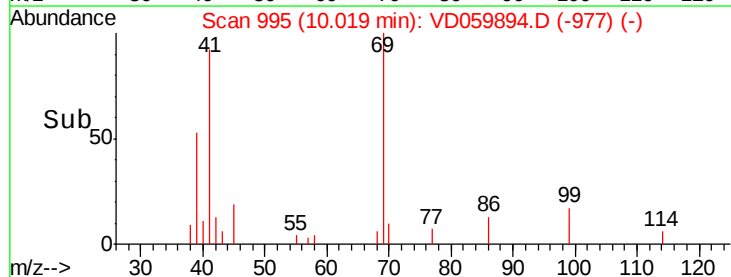
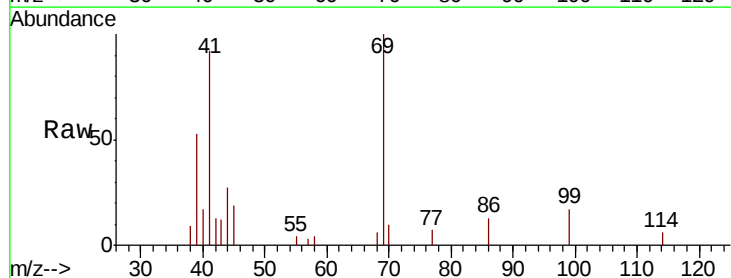
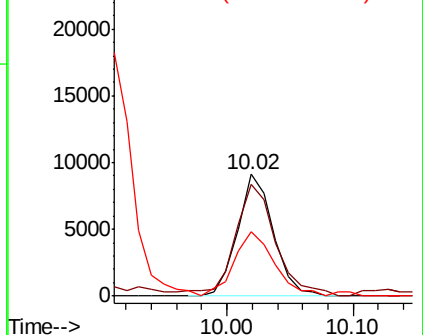
Tgt Ion: 69 Resp: 17954

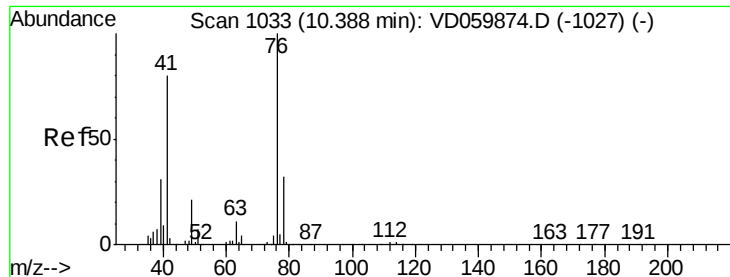
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 92.2  | 71.0  | 106.4 |
| 39  | 52.9  | 38.5  | 57.7  |

Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 91.02 ug/l

RT: 10.37 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VD059894.D

Acq: 23 Aug 2018 18:01

Instrument :

MSVOA\_D

ClientSampleId :

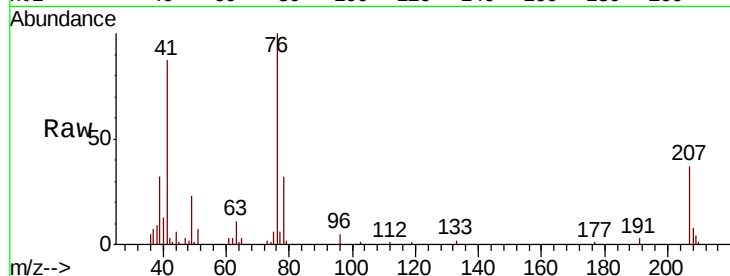
RA-081718-WSW-20-053

Tot Ion: 76 Resp: 76376

Ion Ratio Lower Upper

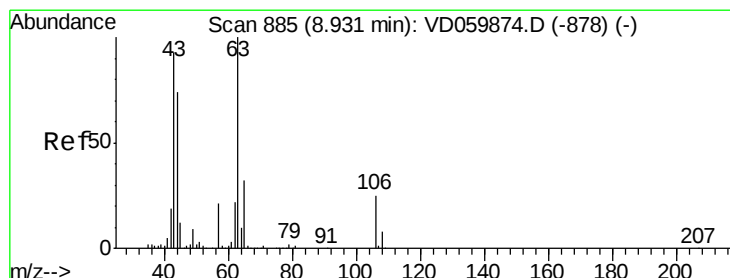
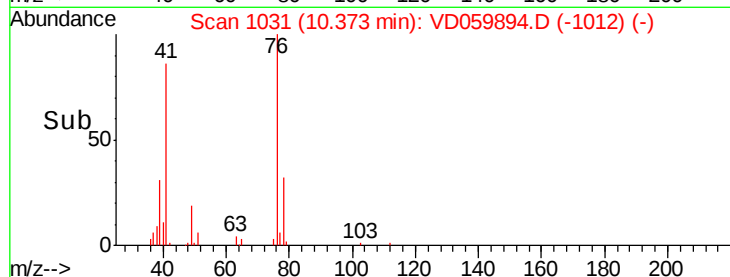
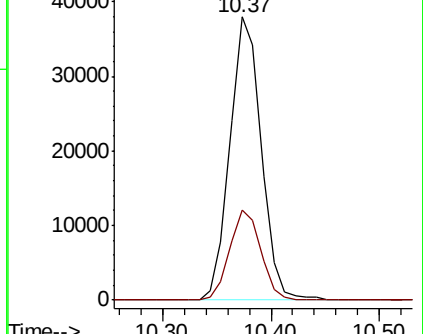
76 100

78 31.7 25.8 38.6



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 566.81 ug/l

RT: 8.92 min Scan# 883

Delta R.T. -0.01 min

Lab File: VD059894.D

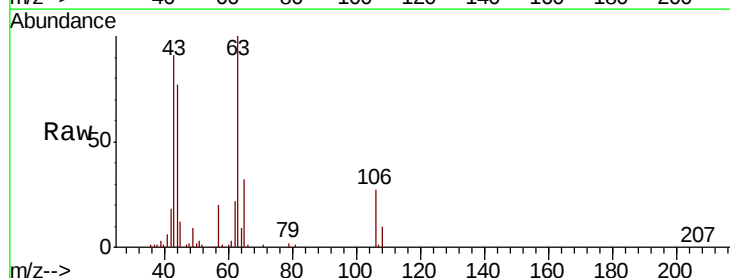
Acq: 23 Aug 2018 18:01

Tgt Ion: 63 Resp: 181933

Ion Ratio Lower Upper

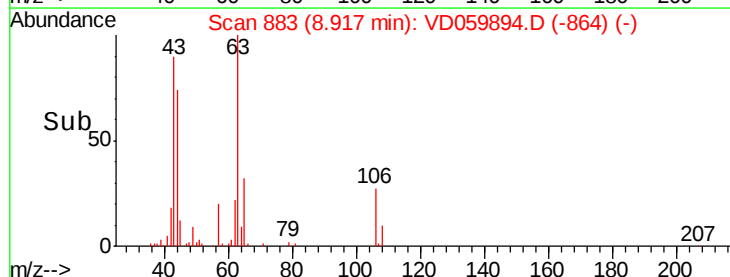
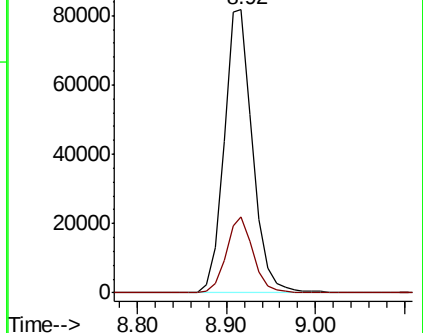
63 100

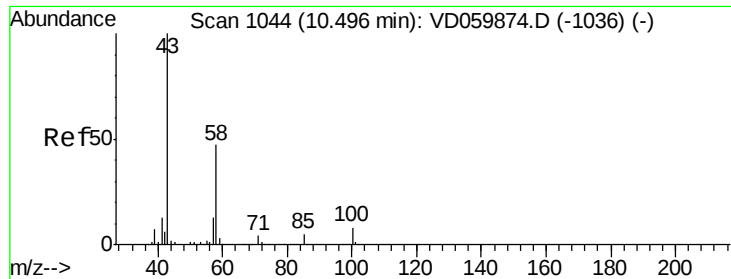
106 27.1 20.1 30.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

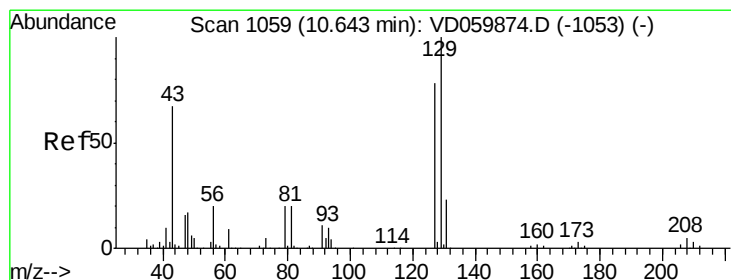
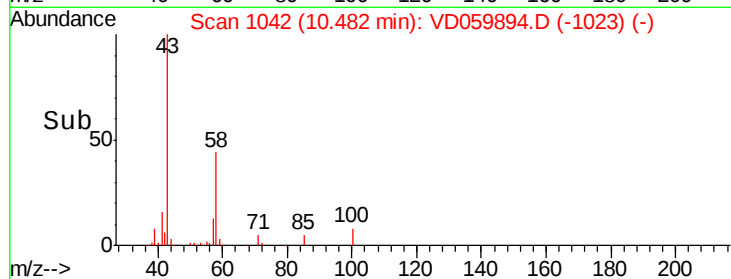
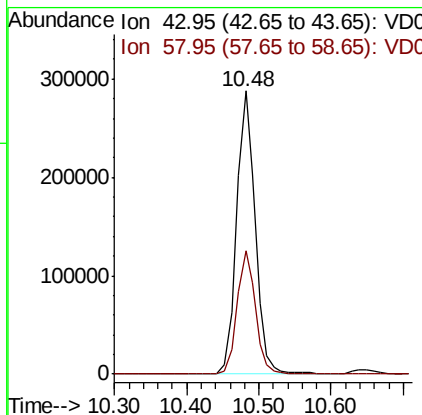
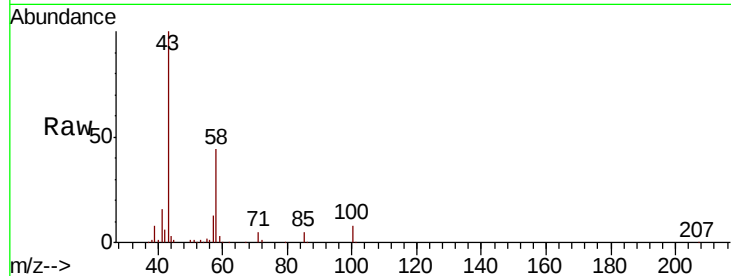




#59  
2-Hexanone  
Concen: 979.43 ug/l  
RT: 10.48 min Scan# 1042  
Delta R.T. -0.01 min  
Lab File: VD059894.D  
Acq: 23 Aug 2018 18:01

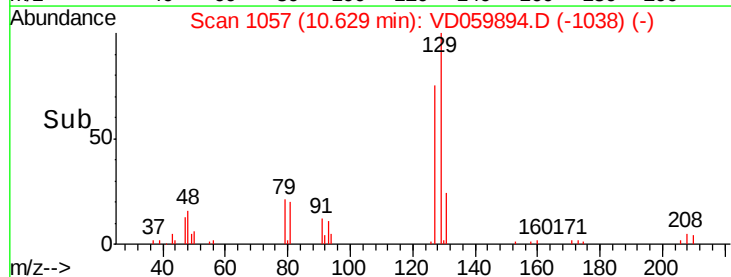
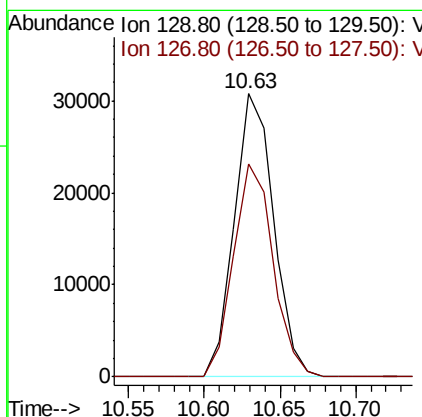
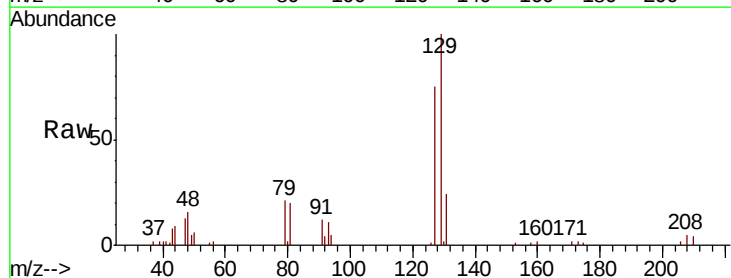
Instrument :  
MSVOA\_D  
ClientSampleId :  
RA-081718-WSW-20-053

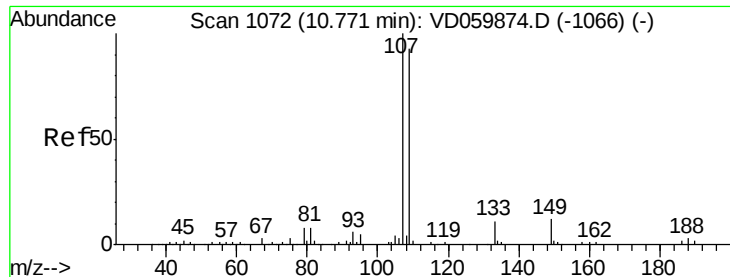
Tot Ion: 43 Resp: 518641  
Ion Ratio Lower Upper  
43 100  
58 43.5 23.3 69.8



#60  
Dibromochloromethane  
Concen: 76.30 ug/l  
RT: 10.63 min Scan# 1057  
Delta R.T. -0.01 min  
Lab File: VD059894.D  
Acq: 23 Aug 2018 18:01

Tgt Ion: 129 Resp: 55597  
Ion Ratio Lower Upper  
129 100  
127 75.3 39.1 117.2





#61

1,2-Dibromoethane

Concen: 89.38 ug/l

RT: 10.75 min Scan# 1069

Delta R.T. -0.02 min

Lab File: VD059894.D

Acq: 23 Aug 2018 18:01

Instrument :

MSVOA\_D

ClientSampleId :

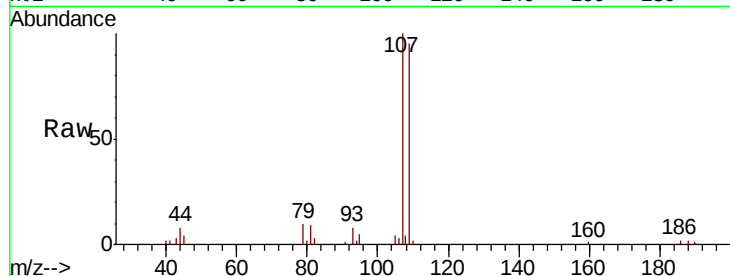
RA-081718-WSW-20-053

Tot Ion:107 Resp: 52394

Ion Ratio Lower Upper

107 100

109 94.6 74.6 112.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.75

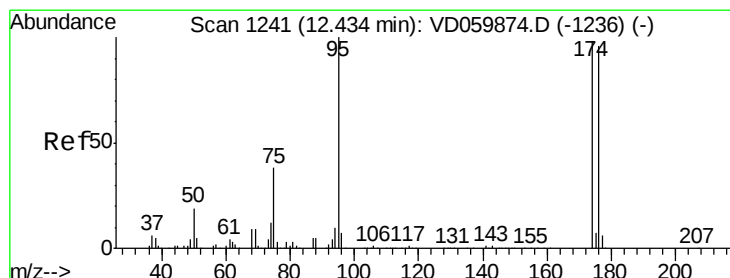
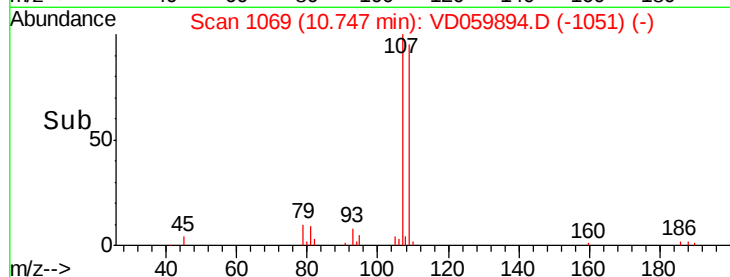
30000

20000

10000

0

Time--> 10.65 10.70 10.75 10.80



#62

4-Bromofluorobenzene

Concen: 89.38 ug/l

RT: 12.42 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VD059894.D

Acq: 23 Aug 2018 18:01

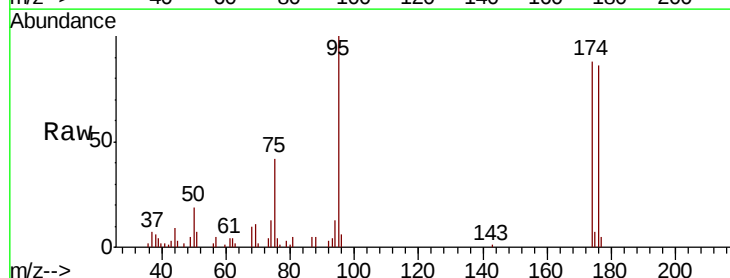
Tgt Ion: 95 Resp: 37400

Ion Ratio Lower Upper

95 100

174 87.6 0.0 195.6

176 85.9 0.0 191.2



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

40000

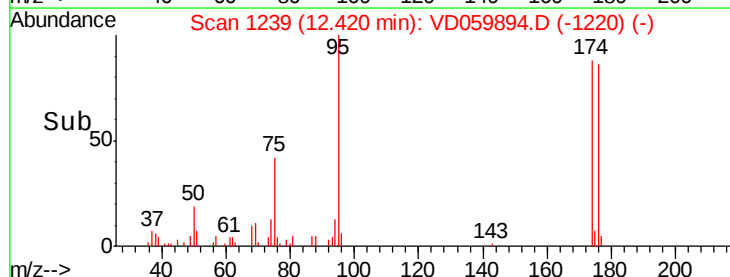
30000

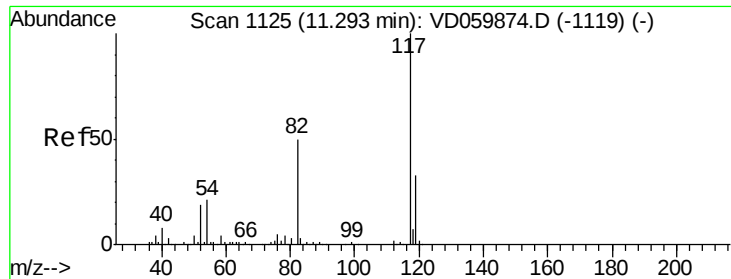
20000

10000

0

Time--> 12.35 12.40 12.45 12.50

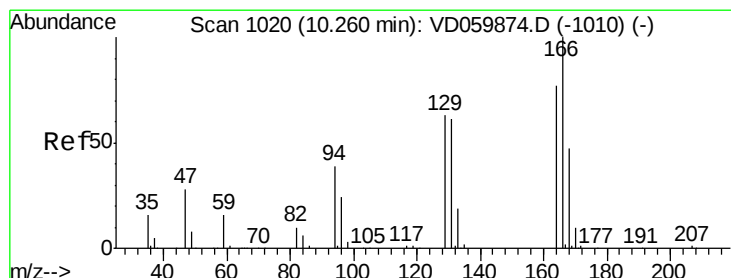
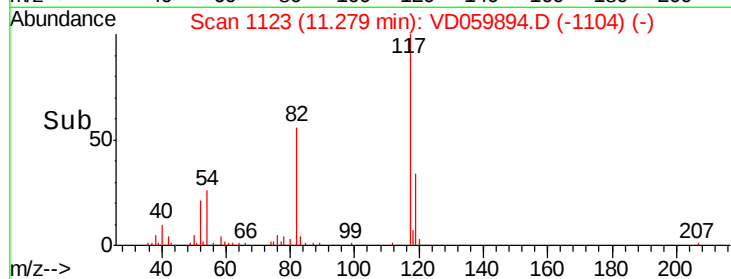
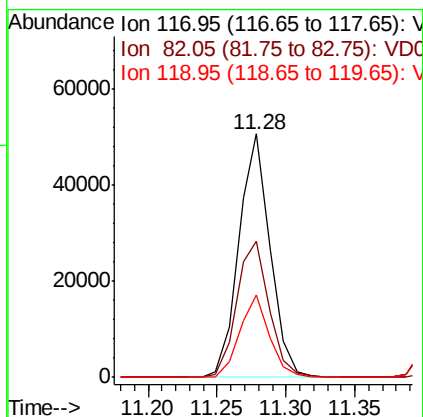
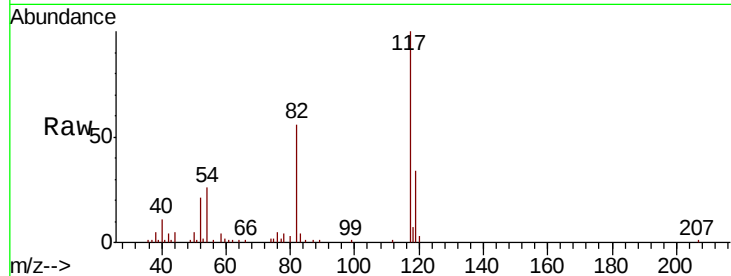




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.28 min Scan# 1123  
Delta R.T. -0.01 min  
Lab File: VD059894.D  
Acq: 23 Aug 2018 18:01

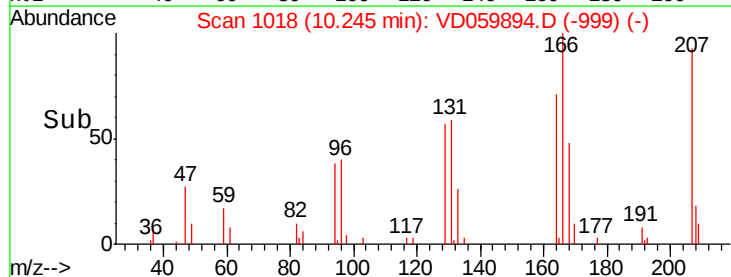
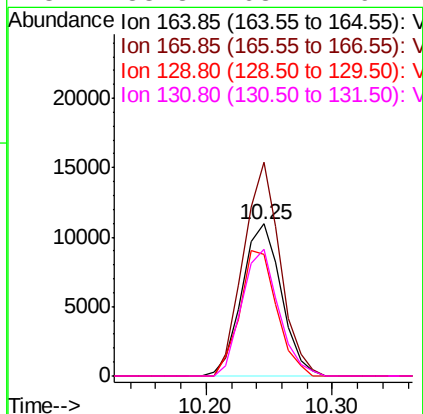
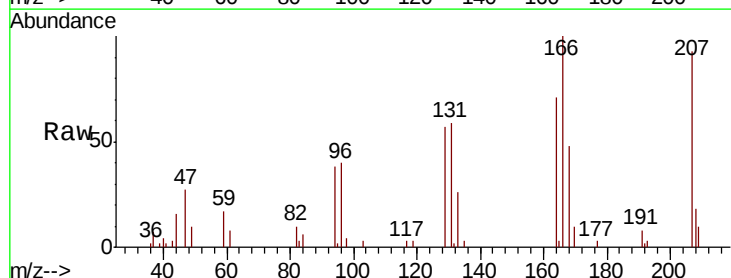
Instrument :  
MSVOA\_D  
ClientSampleId :  
RA-081718-WSW-20-053

Tot Ion:117 Resp: 79742  
Ion Ratio Lower Upper  
117 100  
82 55.7 40.1 60.1  
119 33.8 26.7 40.1



#64  
Tetrachloroethene  
Concen: 38.34 ug/l  
RT: 10.25 min Scan# 1018  
Delta R.T. -0.01 min  
Lab File: VD059894.D  
Acq: 23 Aug 2018 18:01

Tgt Ion:164 Resp: 23637  
Ion Ratio Lower Upper  
164 100  
166 140.7 103.4 155.2  
129 80.4 65.2 97.8  
131 83.3 63.1 94.7

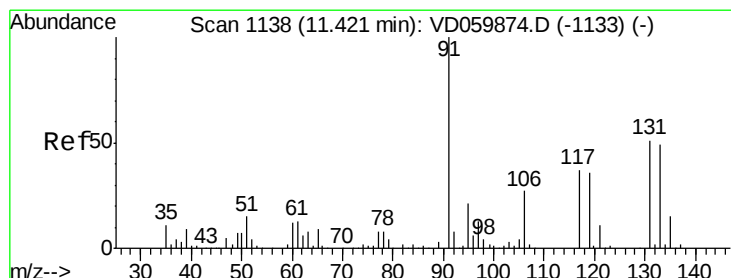
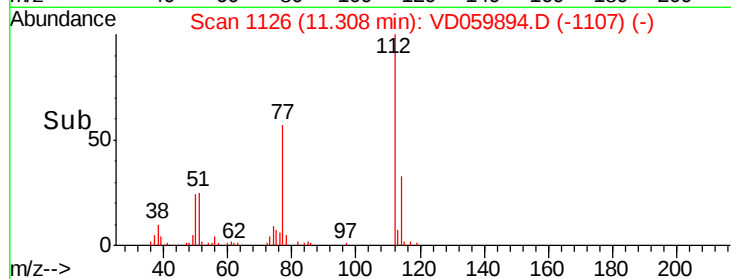
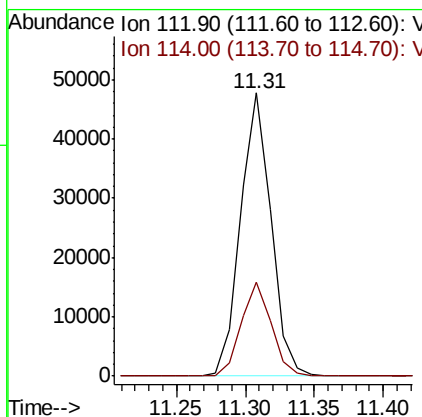
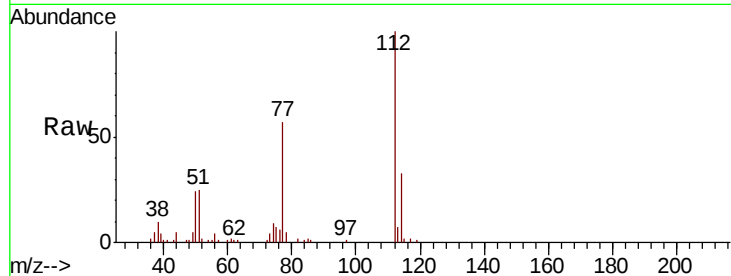




#65  
Chlorobenzene  
Concen: 46.54 ug/l  
RT: 11.31 min Scan# 1126  
Delta R.T. -0.01 min  
Lab File: VD059894.D  
Acq: 23 Aug 2018 18:01

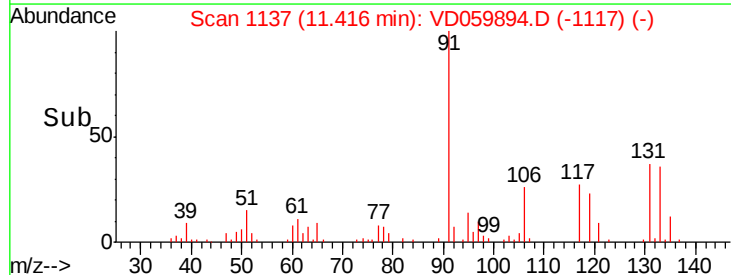
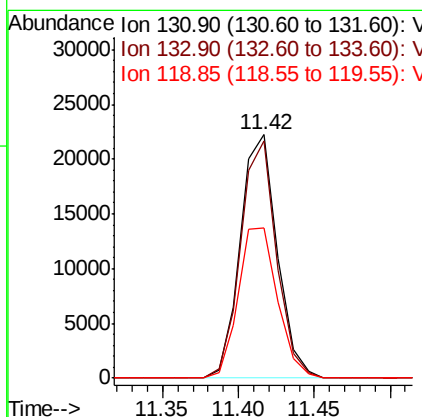
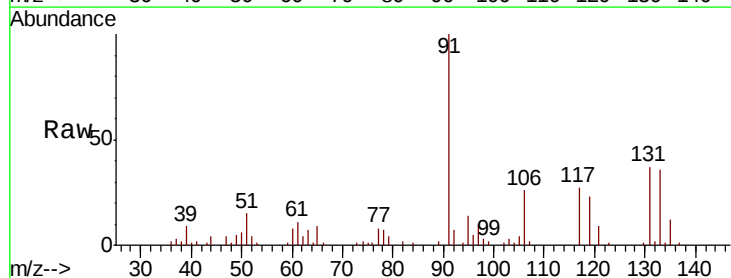
Instrument :  
MSVOA\_D  
ClientSampleId :  
RA-081718-WSW-20-053

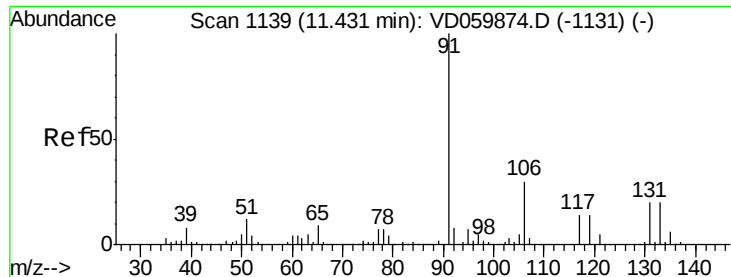
Tot Ion:112 Resp: 73741  
Ion Ratio Lower Upper  
112 100  
114 33.2 26.4 39.6



#66  
1,1,1,2-Tetrachloroethane  
Concen: 64.82 ug/l  
RT: 11.42 min Scan# 1137  
Delta R.T. -0.00 min  
Lab File: VD059894.D  
Acq: 23 Aug 2018 18:01

Tgt Ion:131 Resp: 37526  
Ion Ratio Lower Upper  
131 100  
133 97.3 48.3 144.8  
119 61.8 35.4 106.3

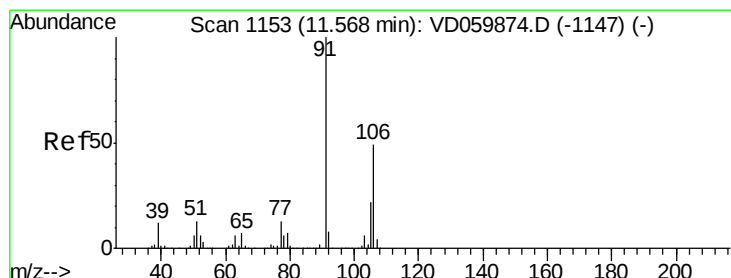
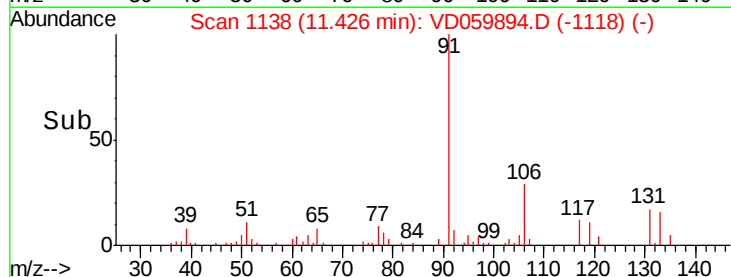
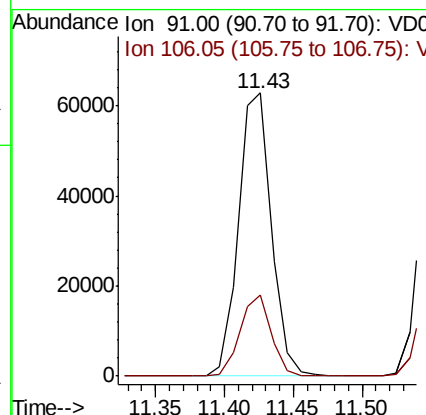
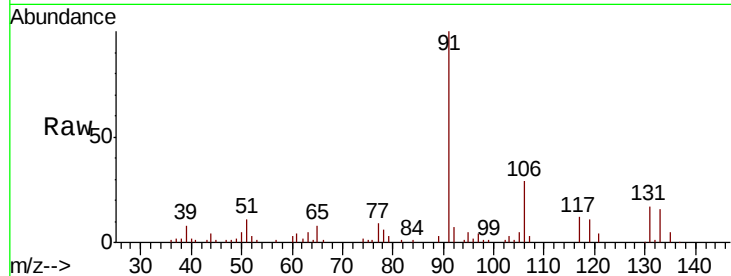




#67  
Ethyl Benzene  
Concen: 39.11 ug/l  
RT: 11.43 min Scan# 1138  
Delta R.T. -0.00 min  
Lab File: VD059894.D  
Acq: 23 Aug 2018 18:01

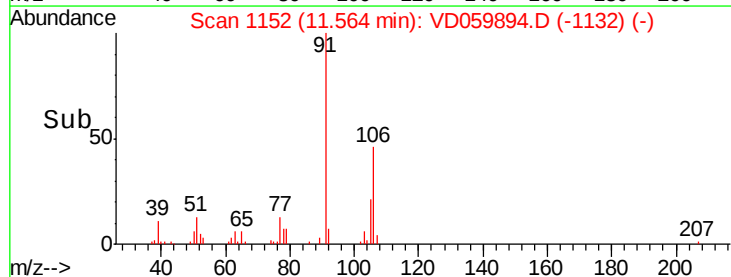
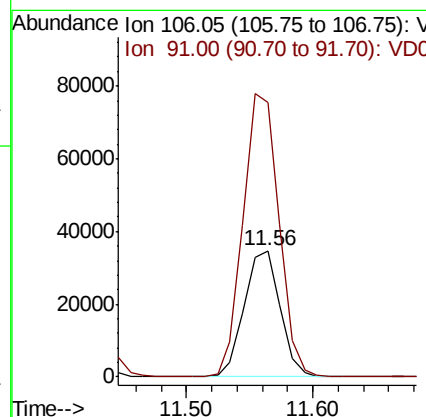
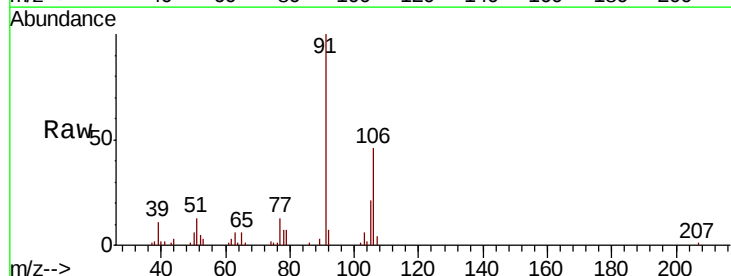
Instrument :  
MSVOA\_D  
ClientSampleId :  
RA-081718-WSW-20-053

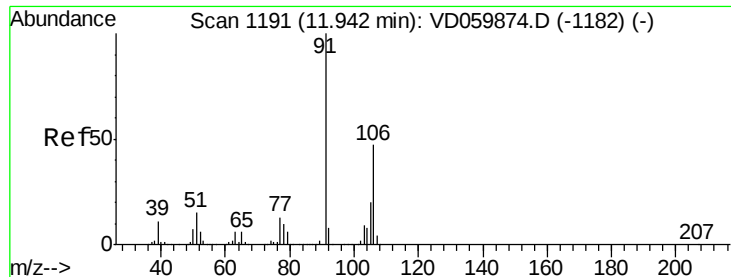
Tot Ion: 91 Resp: 104260  
Ion Ratio Lower Upper  
91 100  
106 28.6 23.8 35.8



#68  
m/p-Xylenes  
Concen: 70.56 ug/l  
RT: 11.56 min Scan# 1152  
Delta R.T. -0.00 min  
Lab File: VD059894.D  
Acq: 23 Aug 2018 18:01

Tgt Ion:106 Resp: 68487  
Ion Ratio Lower Upper  
106 100  
91 217.2 162.0 243.0

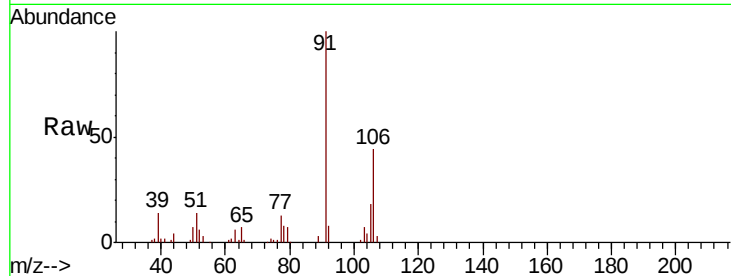




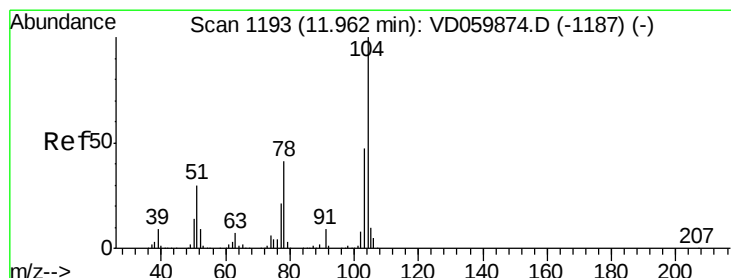
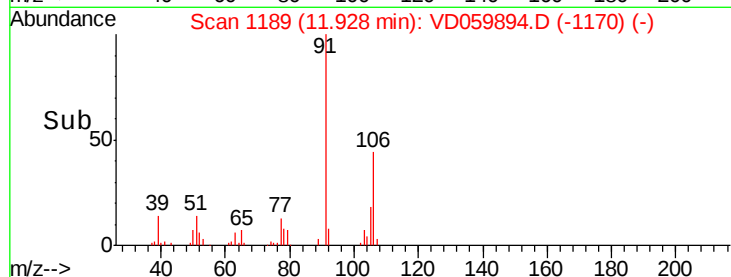
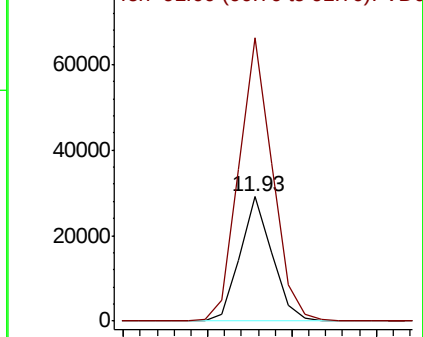
#69  
o-Xylene  
Concen: 40.73 ug/l  
RT: 11.93 min Scan# 1189  
Delta R.T. -0.01 min  
Lab File: VD059894.D  
Acq: 23 Aug 2018 18:01

Instrument :  
MSVOA\_D  
ClientSampleId :  
RA-081718-WSW-20-053

Tot Ion:106 Resp: 38667  
Ion Ratio Lower Upper  
106 100  
91 227.8 107.3 322.0

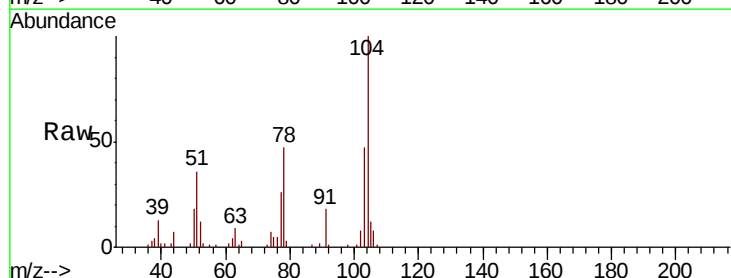


Abundance Ion 106.05 (105.75 to 106.75): V  
Ion 91.00 (90.70 to 91.70): V

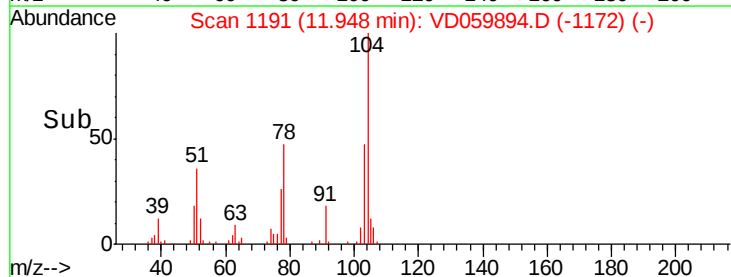
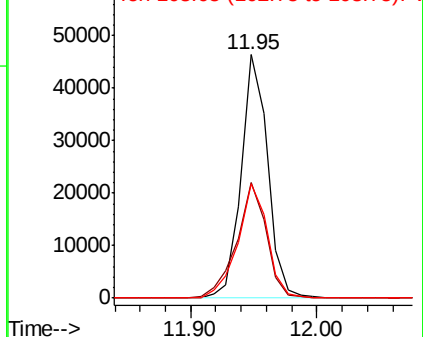


#70  
Styrene  
Concen: 40.83 ug/l  
RT: 11.95 min Scan# 1191  
Delta R.T. -0.01 min  
Lab File: VD059894.D  
Acq: 23 Aug 2018 18:01

Tgt Ion:104 Resp: 67114  
Ion Ratio Lower Upper  
104 100  
78 47.3 32.6 49.0  
103 47.2 37.7 56.5



Abundance Ion 104.05 (103.75 to 104.75): V  
Ion 77.95 (77.65 to 78.65): V  
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 94.19 ug/l

RT: 12.12 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VD059894.D

Acq: 23 Aug 2018 18:01

Instrument :

MSVOA\_D

ClientSampleId :

RA-081718-WSW-20-053

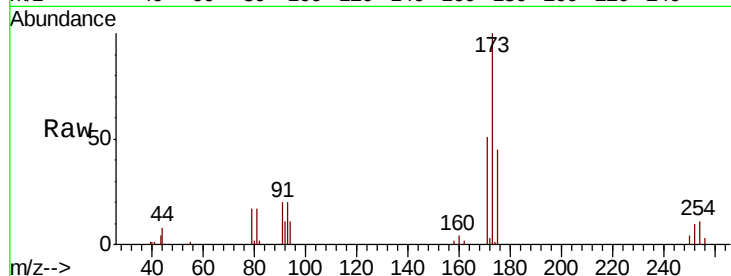
Tot Ion:173 Resp: 47179

Ion Ratio Lower Upper

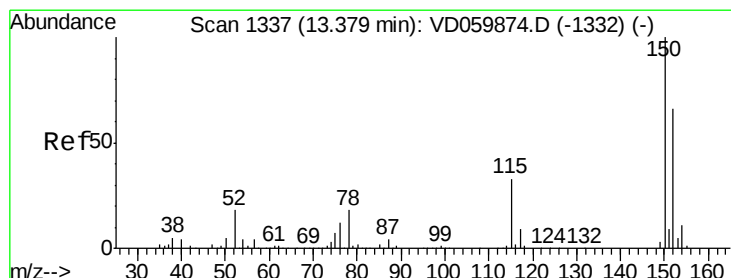
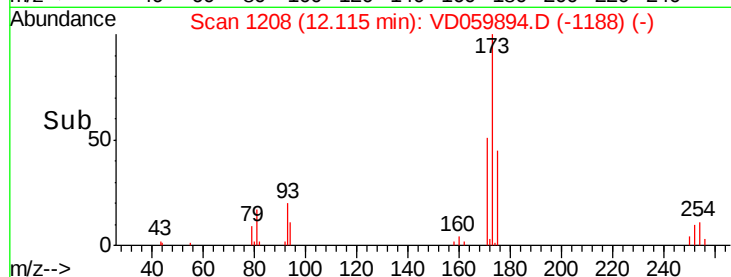
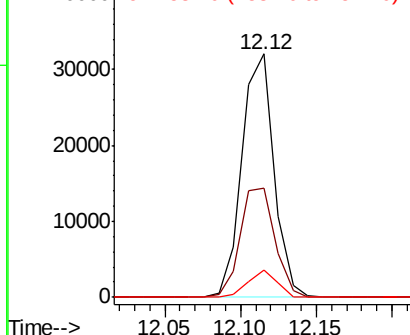
173 100

175 45.0 24.3 73.0

254 11.3 7.0 10.6#



Abundance Ion 172.80 (172.50 to 173.50): V  
Ion 174.80 (174.50 to 175.50): V  
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.36 min Scan# 1335

Delta R.T. -0.01 min

Lab File: VD059894.D

Acq: 23 Aug 2018 18:01

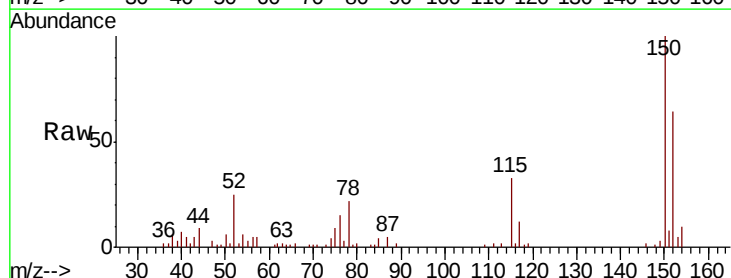
Tgt Ion:152 Resp: 29760

Ion Ratio Lower Upper

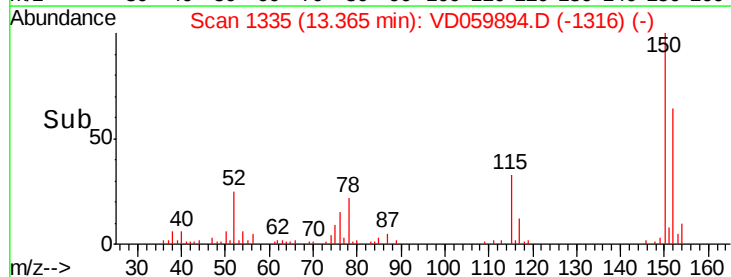
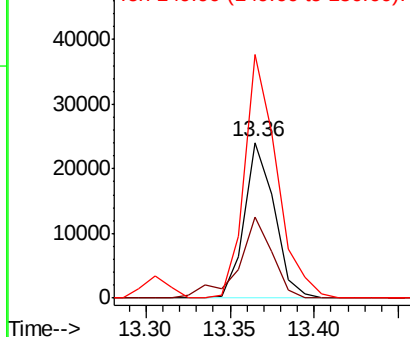
152 100

115 51.8 25.7 77.0

150 156.6 0.0 310.2



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 115.00 (114.70 to 115.70): V  
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 32.48 ug/l

RT: 12.27 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD059894.D

Acq: 23 Aug 2018 18:01

Instrument :

MSVOA\_D

ClientSampleId :

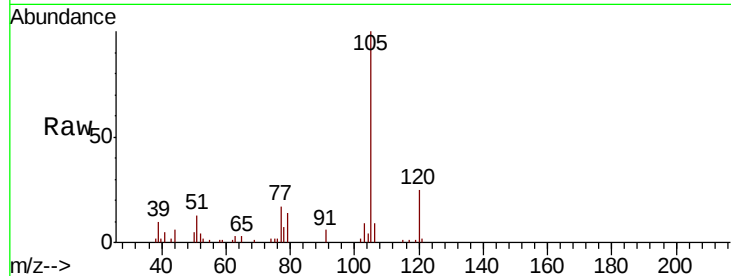
RA-081718-WSW-20-053

Tot Ion:105 Resp: 61706

Ion Ratio Lower Upper

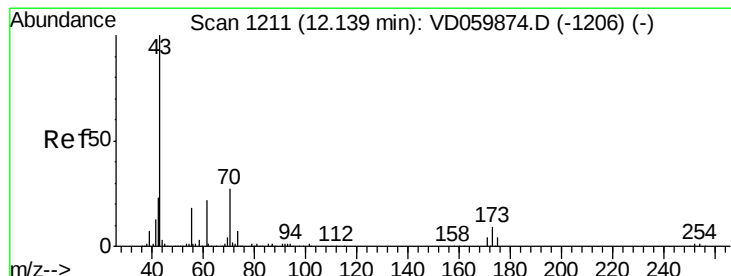
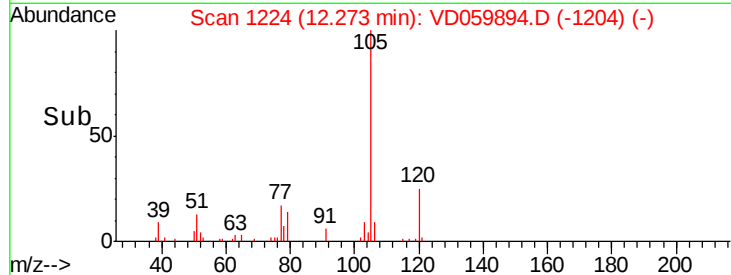
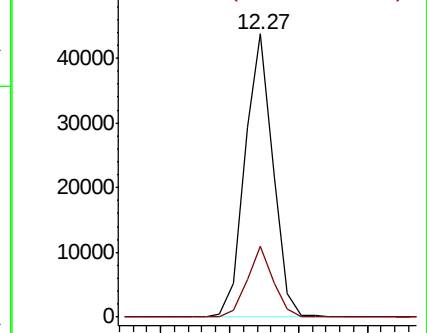
105 100

120 25.2 11.8 35.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 4.64 ug/l

RT: 12.12 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VD059894.D

Acq: 23 Aug 2018 18:01

Tgt Ion: 43 Resp: 3861

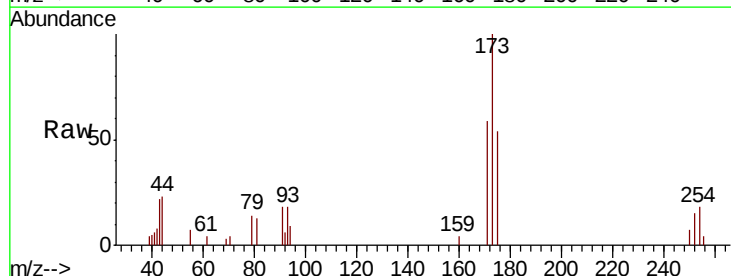
Ion Ratio Lower Upper

43 100

70 18.1 21.4 32.2#

55 33.1 14.1 21.1#

61 17.6 17.8 26.8#

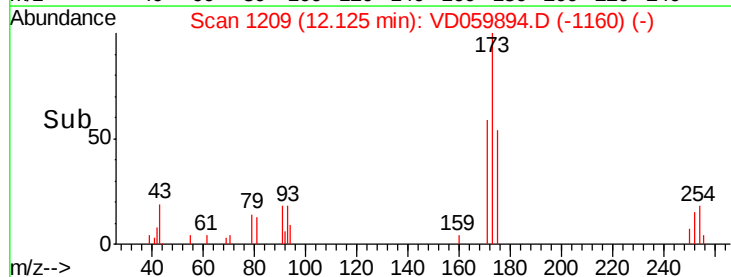
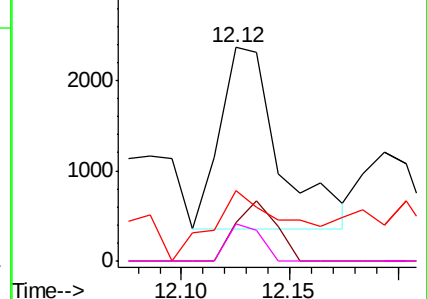


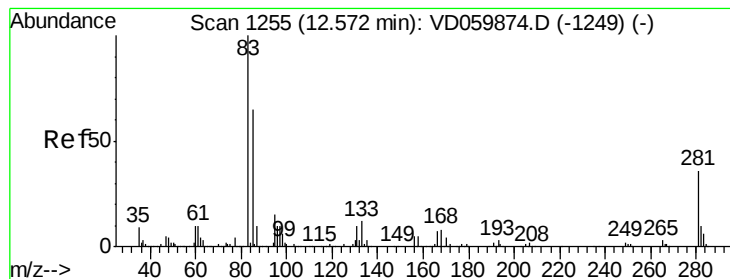
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 189.45 ug/l

RT: 12.56 min Scan# 1253

Delta R.T. -0.01 min

Lab File: VD059894.D

Acq: 23 Aug 2018 18:01

Instrument :

MSVOA\_D

ClientSampleId :

RA-081718-WSW-20-053

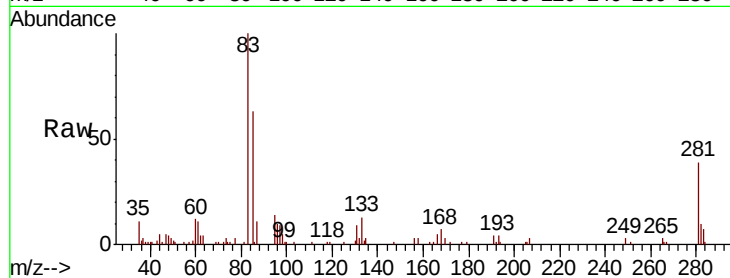
Tot Ion: 83 Resp: 83246

Ion Ratio Lower Upper

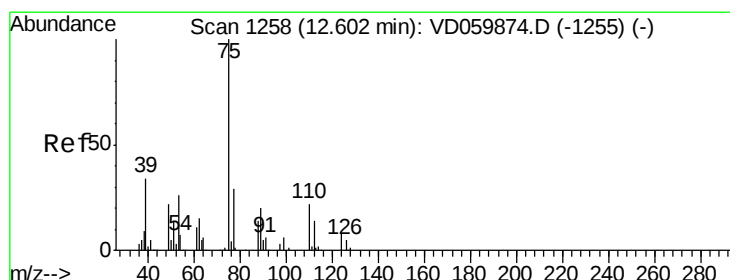
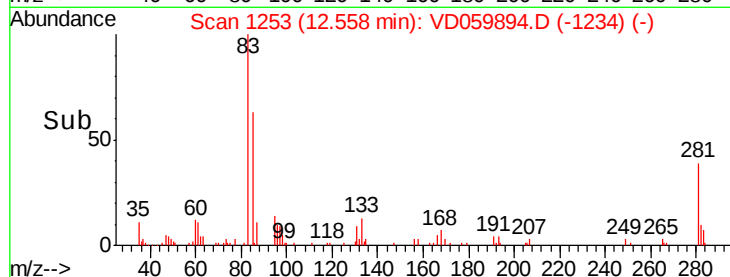
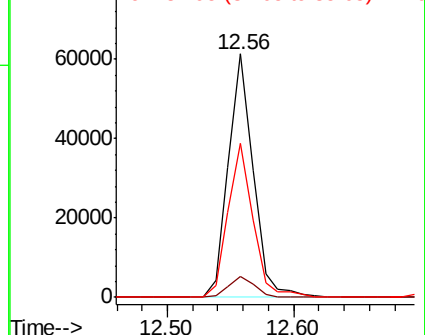
83 100

131 8.6 4.8 14.4

85 63.1 32.6 97.8



Abundance Ion 82.95 (82.65 to 83.65): VDC  
Ion 130.90 (130.60 to 131.60): VDC  
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 191.69 ug/l

RT: 12.60 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VD059894.D

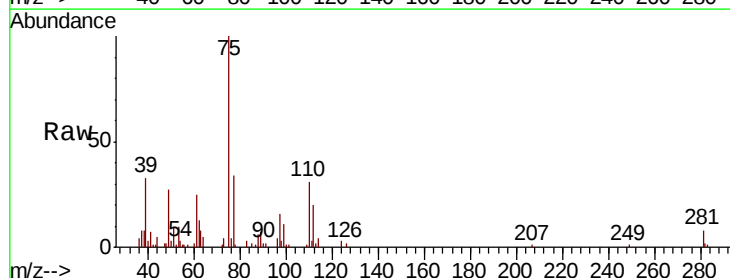
Acq: 23 Aug 2018 18:01

Tgt Ion: 75 Resp: 88662

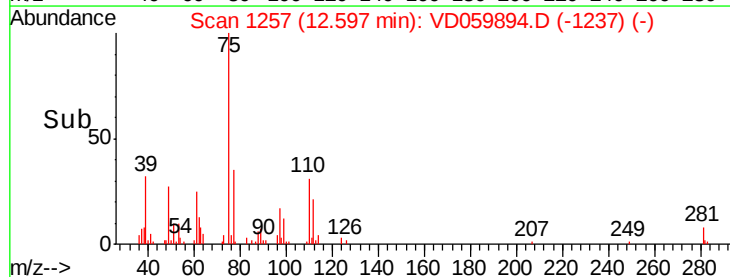
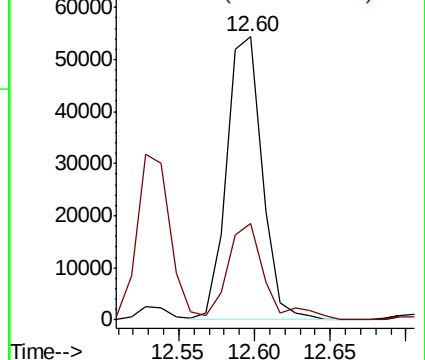
Ion Ratio Lower Upper

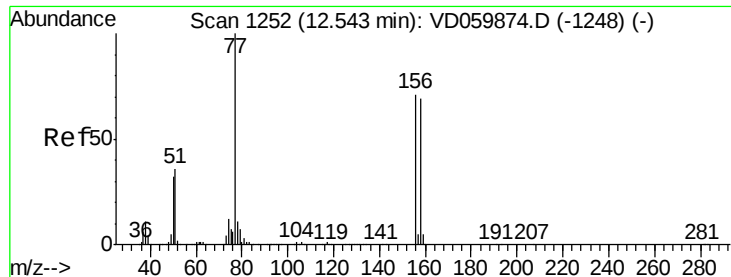
75 100

77 34.2 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VDC  
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 66.74 ug/l

RT: 12.54 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VD059894.D

Acq: 23 Aug 2018 18:01

Instrument :

MSVOA\_D

ClientSampleId :

RA-081718-WSW-20-053

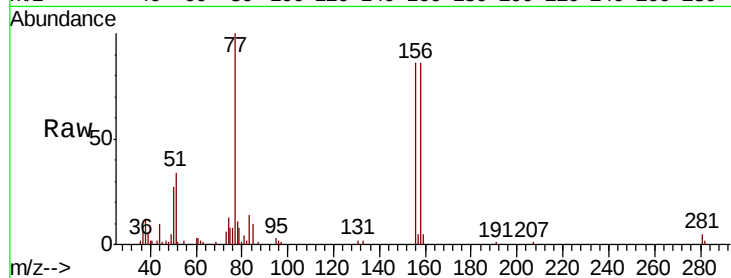
Tot Ion:156 Resp: 35153

Ion Ratio Lower Upper

156 100

77 116.4 70.2 210.4

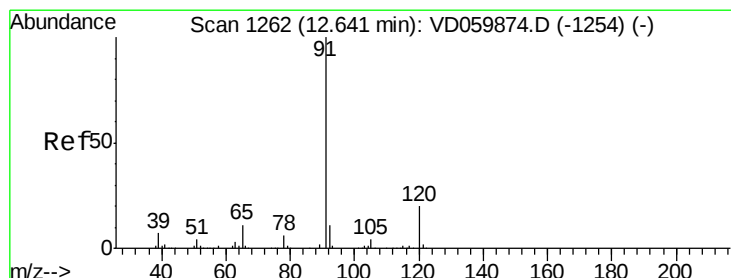
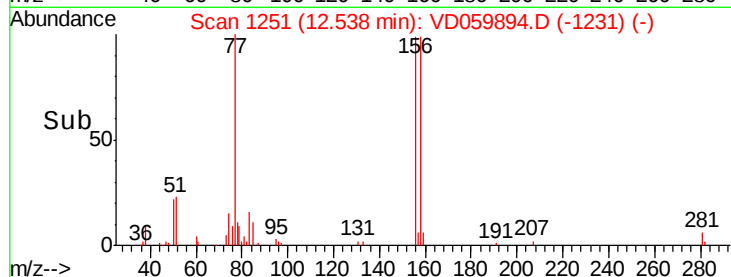
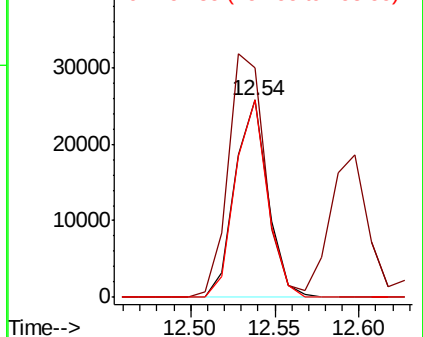
158 99.9 48.4 145.2



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 29.61 ug/l

RT: 12.64 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD059894.D

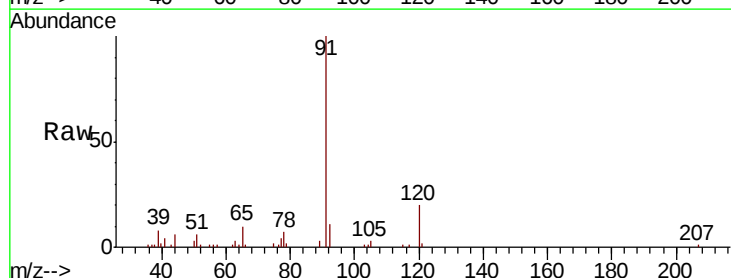
Acq: 23 Aug 2018 18:01

Tgt Ion: 91 Resp: 71233

Ion Ratio Lower Upper

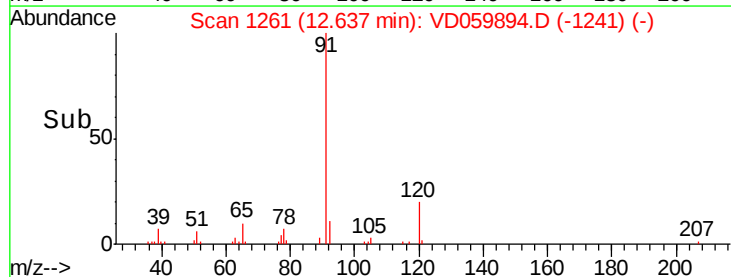
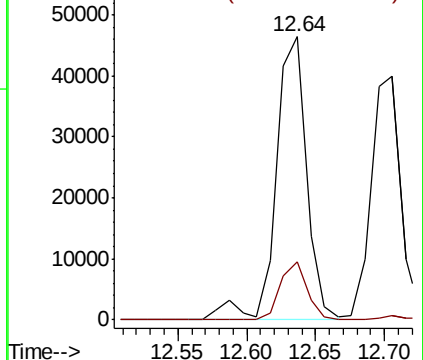
91 100

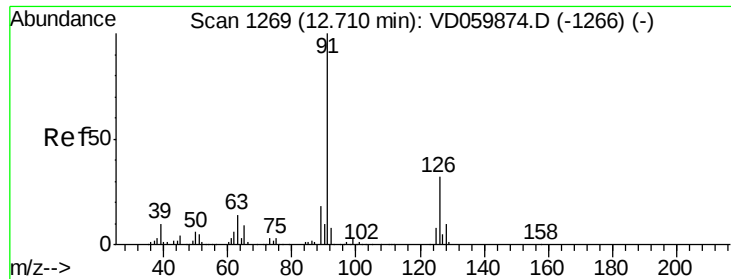
120 20.5 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 44.14 ug/l

RT: 12.71 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VD059894.D

Acq: 23 Aug 2018 18:01

Instrument :

MSVOA\_D

ClientSampleId :

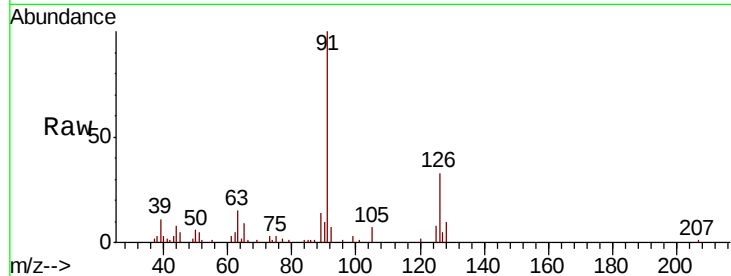
RA-081718-WSW-20-053

Tot Ion: 91 Resp: 60052

Ion Ratio Lower Upper

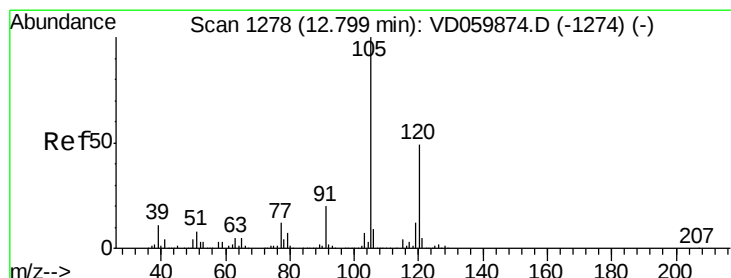
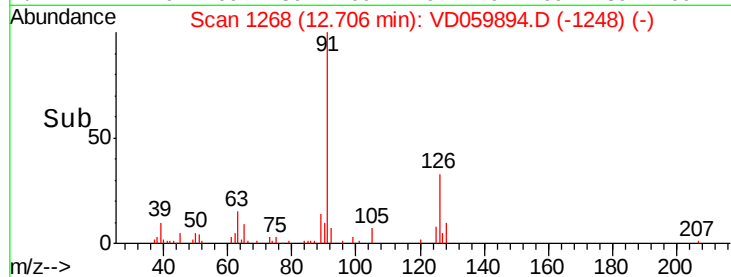
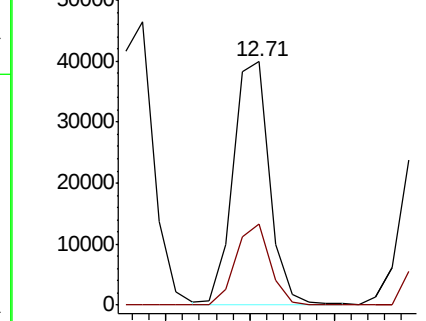
91 100

126 33.2 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 32.55 ug/l

RT: 12.78 min Scan# 1276

Delta R.T. -0.01 min

Lab File: VD059894.D

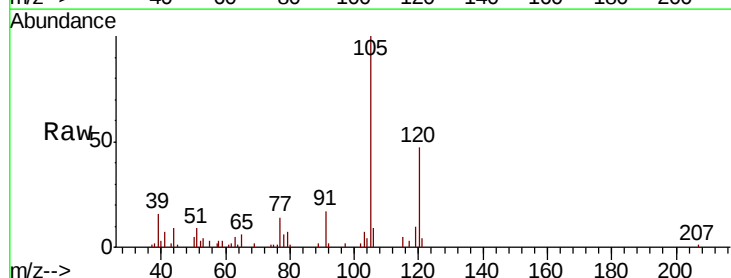
Acq: 23 Aug 2018 18:01

Tgt Ion: 105 Resp: 49156

Ion Ratio Lower Upper

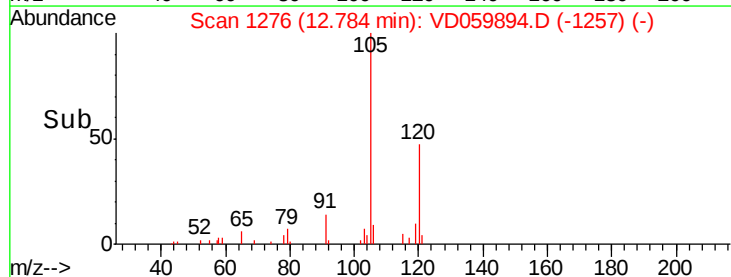
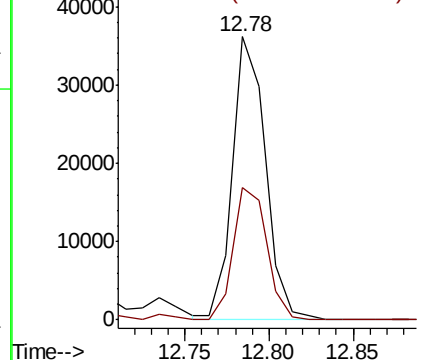
105 100

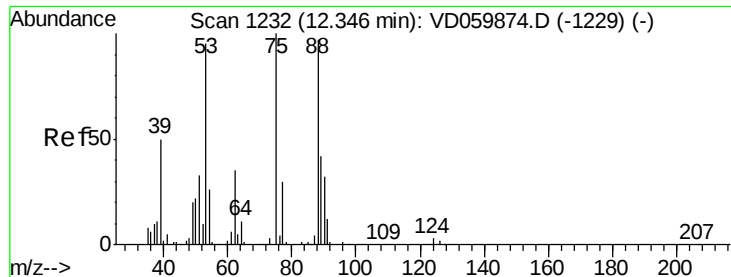
120 46.6 24.5 73.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 115.14 ug/l

RT: 12.34 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VD059894.D

Acq: 23 Aug 2018 18:01

Instrument :

MSVOA\_D

ClientSampleId :

RA-081718-WSW-20-053

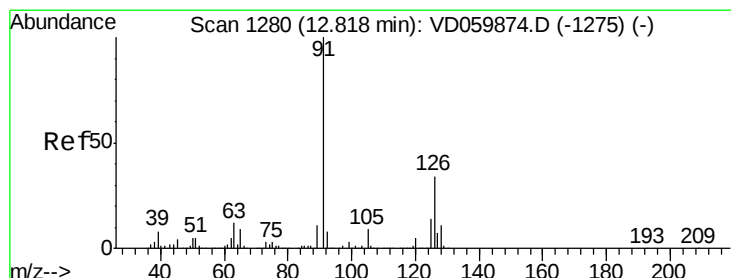
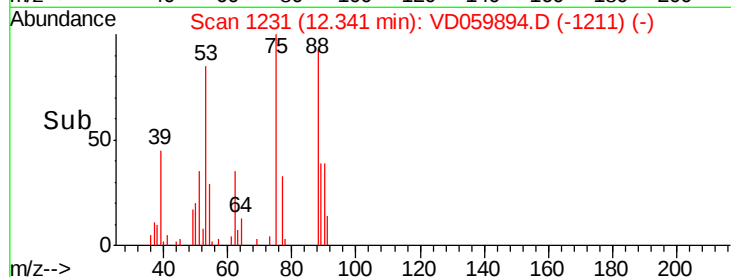
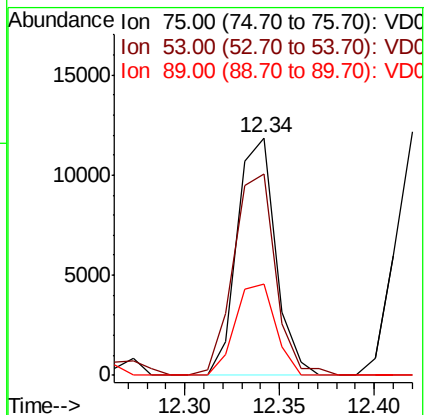
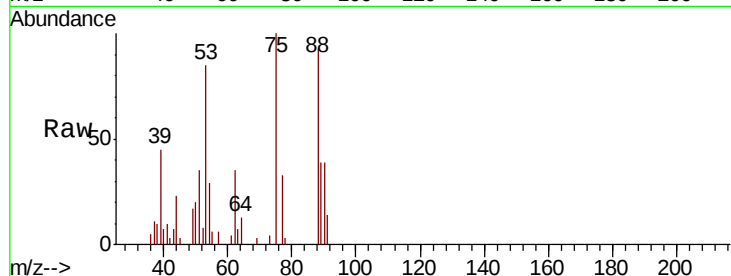
Tot Ion: 75 Resp: 16566

Ion Ratio Lower Upper

75 100

53 85.1 75.8 113.6

89 38.6 33.6 50.4



#82

4-Chlorotoluene

Concen: 45.24 ug/l

RT: 12.80 min Scan# 1278

Delta R.T. -0.01 min

Lab File: VD059894.D

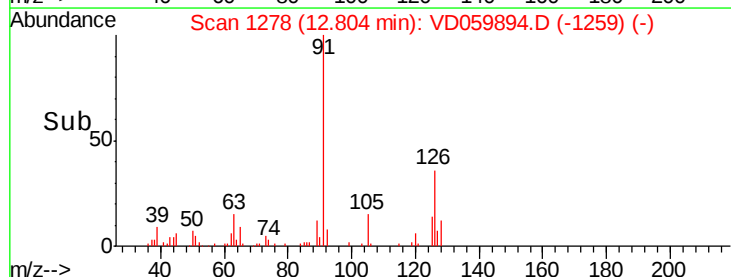
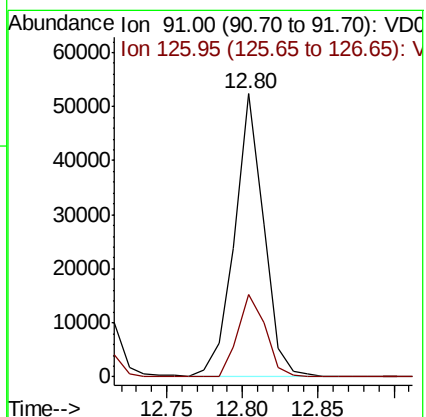
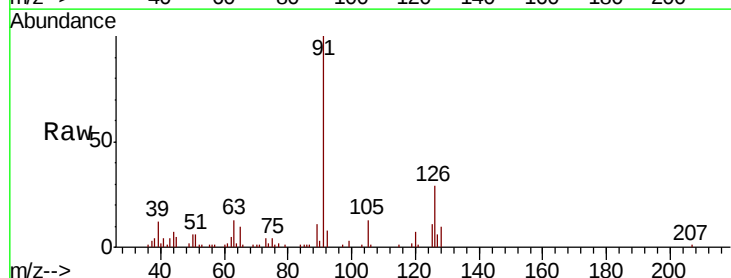
Acq: 23 Aug 2018 18:01

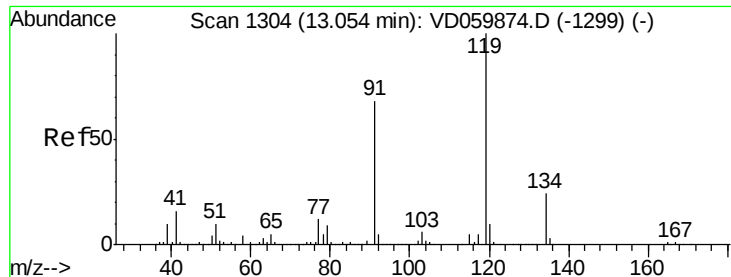
Tgt Ion: 91 Resp: 70196

Ion Ratio Lower Upper

91 100

126 29.1 17.1 51.2

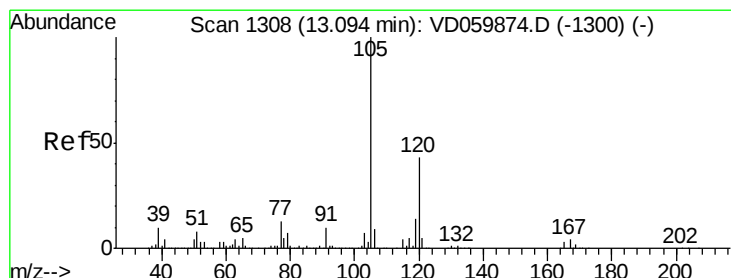
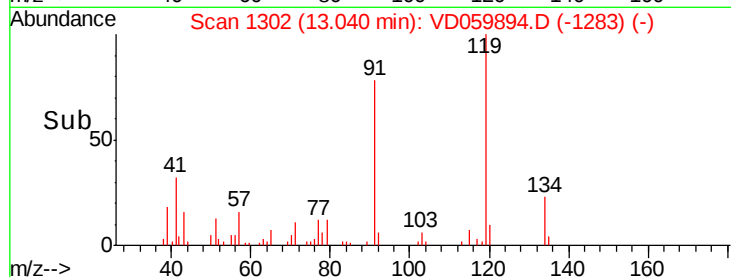
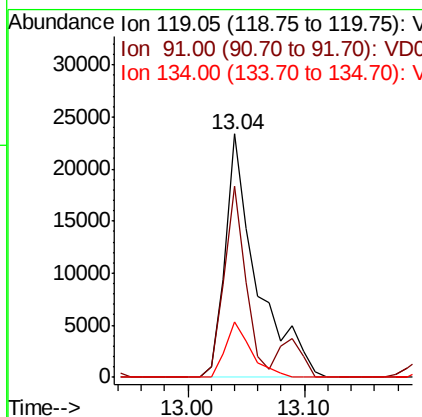
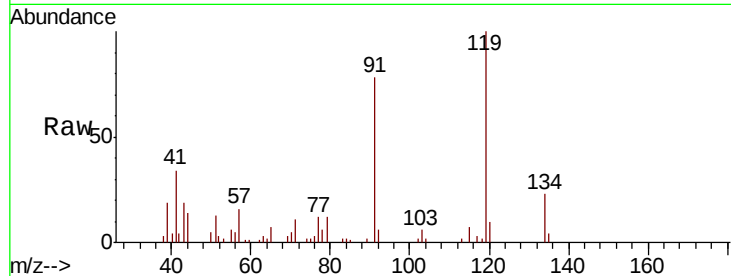




#83  
tert-Butylbenzene  
Concen: 25.62 ug/l  
RT: 13.04 min Scan# 1302  
Delta R.T. -0.01 min  
Lab File: VD059894.D  
Acq: 23 Aug 2018 18:01

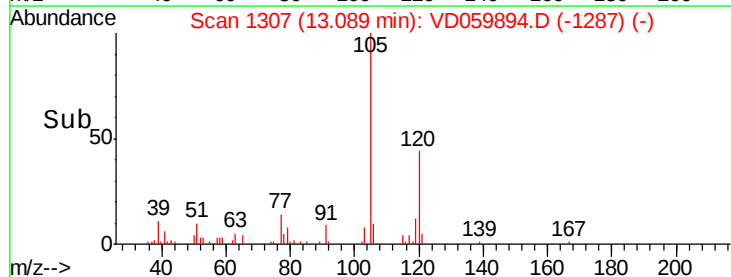
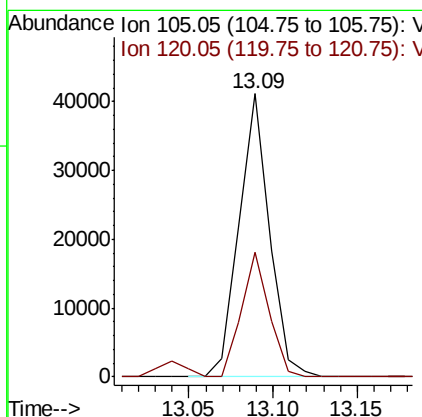
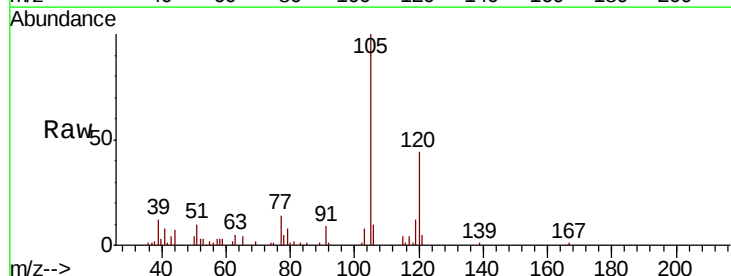
Instrument :  
MSVOA\_D  
ClientSampleId :  
RA-081718-WSW-20-053

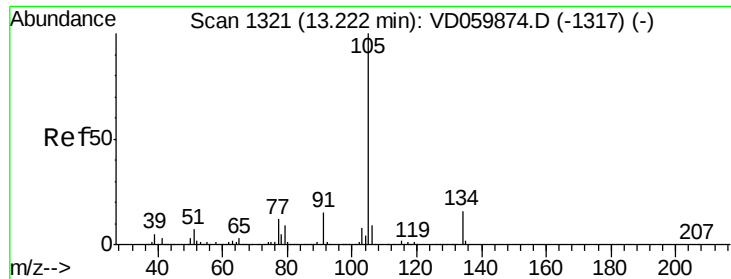
Tot Ion:119 Resp: 44071  
Ion Ratio Lower Upper  
119 100  
91 78.4 34.3 102.9  
134 23.0 11.9 35.9



#84  
1,2,4-Trimethylbenzene  
Concen: 32.65 ug/l  
RT: 13.09 min Scan# 1307  
Delta R.T. -0.00 min  
Lab File: VD059894.D  
Acq: 23 Aug 2018 18:01

Tgt Ion:105 Resp: 51395  
Ion Ratio Lower Upper  
105 100  
120 44.2 21.8 65.3

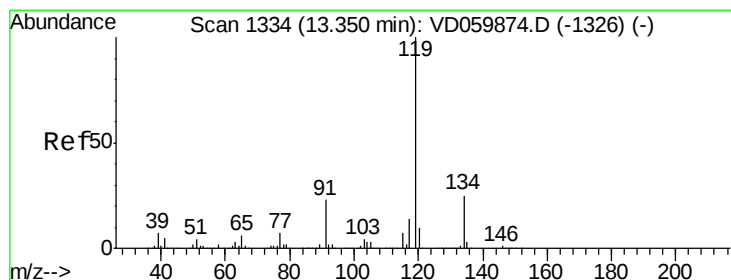
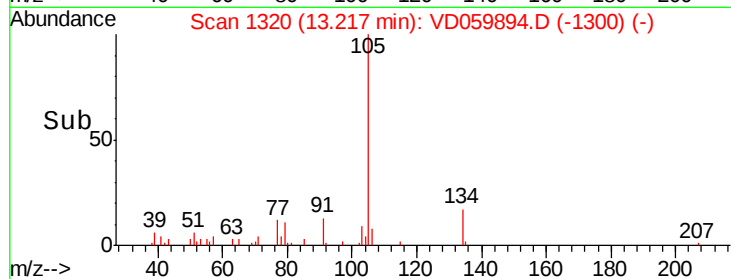
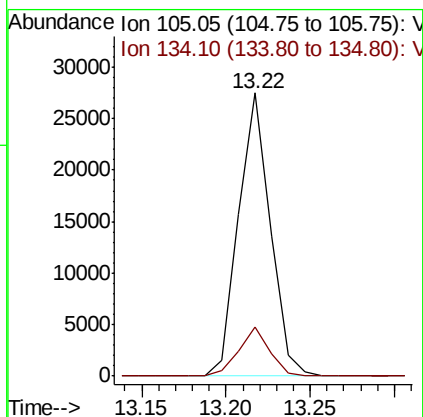
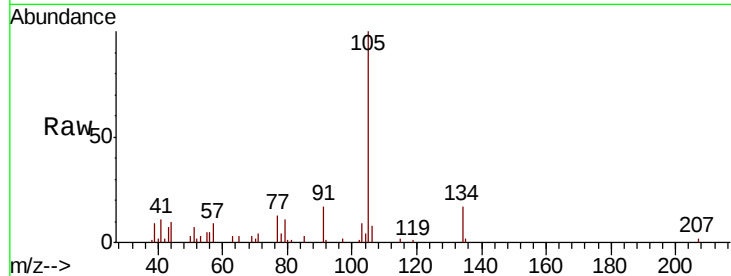




#85  
 sec-Butylbenzene  
 Concen: 17.74 ug/l  
 RT: 13.22 min Scan# 1320  
 Delta R.T. -0.00 min  
 Lab File: VD059894.D  
 Acq: 23 Aug 2018 18:01

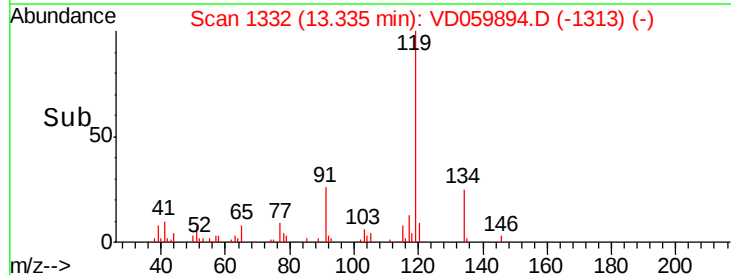
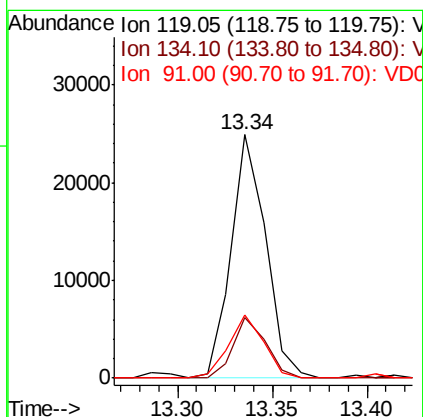
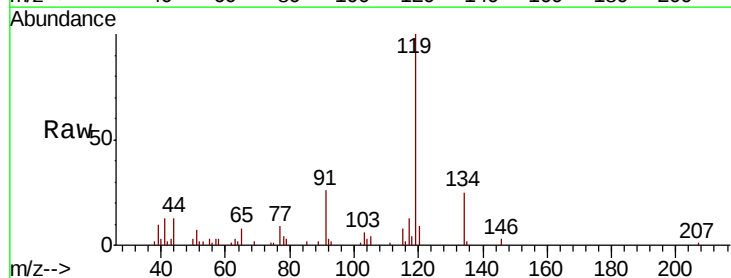
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 RA-081718-WSW-20-053

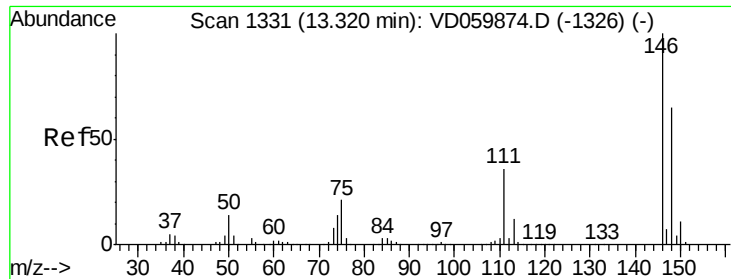
Tot Ion:105 Resp: 35888  
 Ion Ratio Lower Upper  
 105 100  
 134 17.3 8.2 24.4



#86  
 p-Isopropyltoluene  
 Concen: 19.08 ug/l  
 RT: 13.34 min Scan# 1332  
 Delta R.T. -0.01 min  
 Lab File: VD059894.D  
 Acq: 23 Aug 2018 18:01

Tgt Ion:119 Resp: 31391  
 Ion Ratio Lower Upper  
 119 100  
 134 24.8 12.7 38.1  
 91 25.7 11.7 35.0

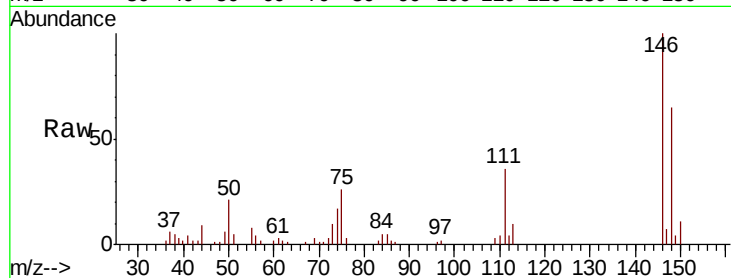




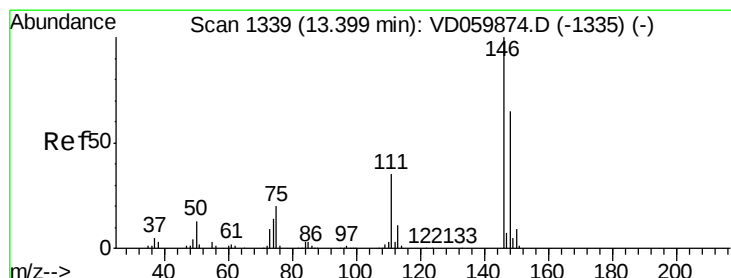
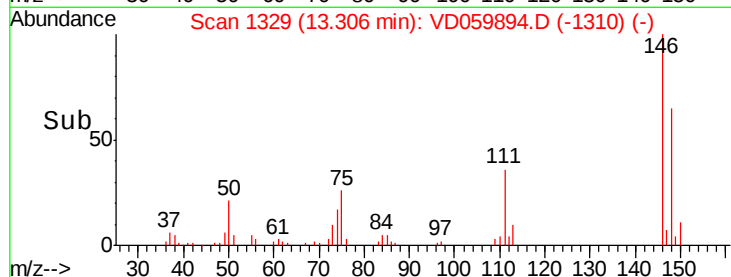
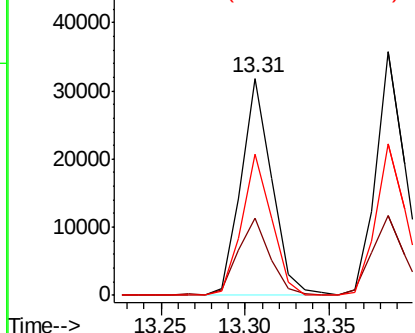
#87  
 1,3-Dichlorobenzene  
 Concen: 42.95 ug/l  
 RT: 13.31 min Scan# 1329  
 Delta R.T. -0.01 min  
 Lab File: VD059894.D  
 Acq: 23 Aug 2018 18:01

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 RA-081718-WSW-20-053

Tot Ion:146 Resp: 40383  
 Ion Ratio Lower Upper  
 146 100  
 111 35.7 17.9 53.7  
 148 65.1 32.4 97.0

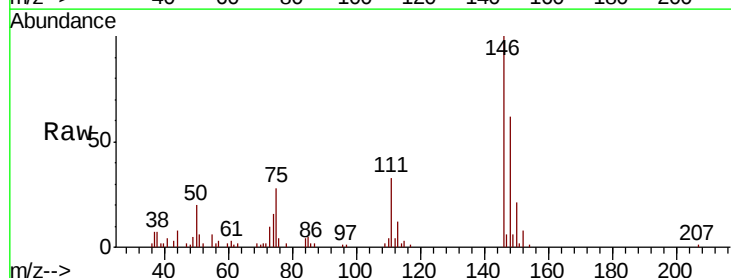


Abundance Ion 145.95 (145.65 to 146.65): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 147.90 (147.60 to 148.60): V

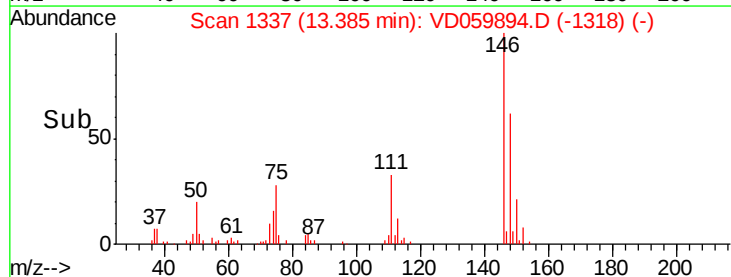
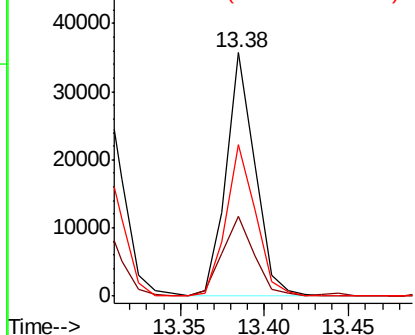


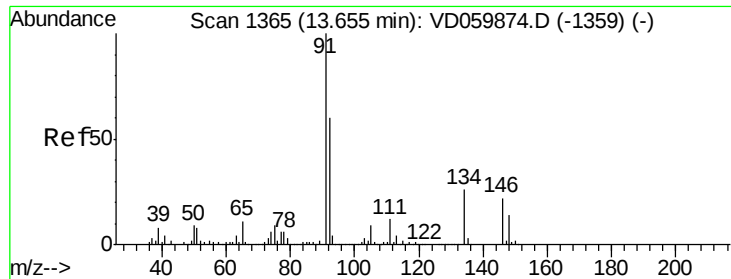
#88  
 1,4-Dichlorobenzene  
 Concen: 45.54 ug/l  
 RT: 13.38 min Scan# 1337  
 Delta R.T. -0.01 min  
 Lab File: VD059894.D  
 Acq: 23 Aug 2018 18:01

Tgt Ion:146 Resp: 42726  
 Ion Ratio Lower Upper  
 146 100  
 111 32.9 17.5 52.6  
 148 62.4 32.5 97.5



Abundance Ion 145.95 (145.65 to 146.65): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 147.90 (147.60 to 148.60): V

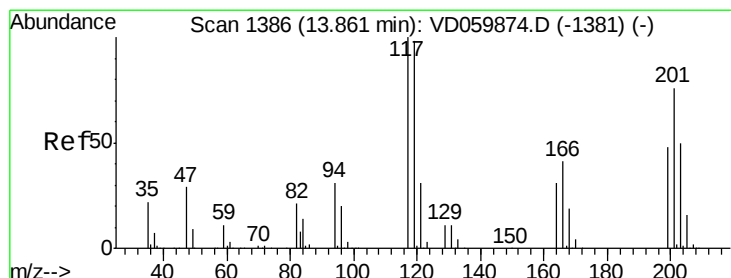
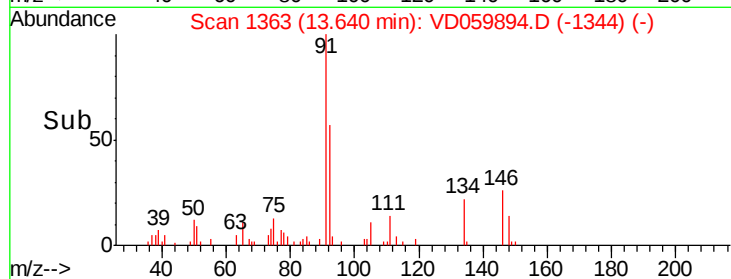
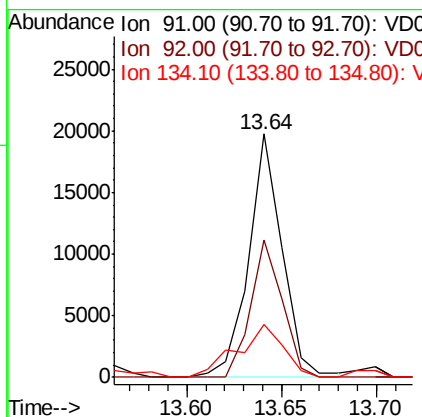
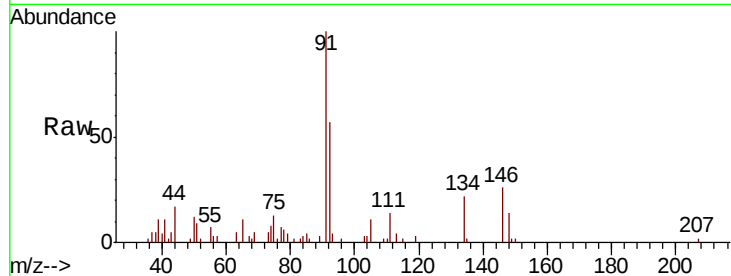




#89  
n-Butylbenzene  
Concen: 13.04 ug/l  
RT: 13.64 min Scan# 1363  
Delta R.T. -0.01 min  
Lab File: VD059894.D  
Acq: 23 Aug 2018 18:01

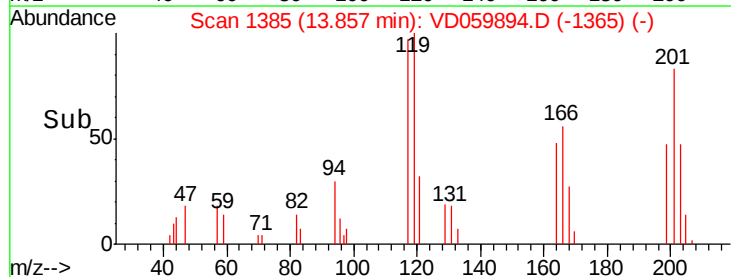
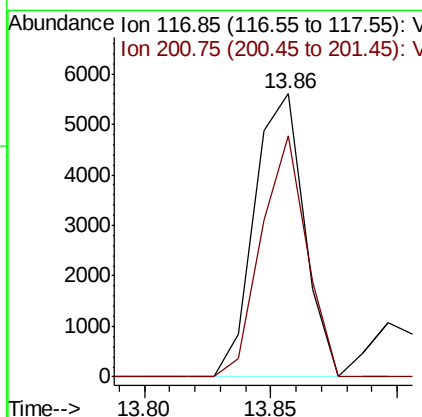
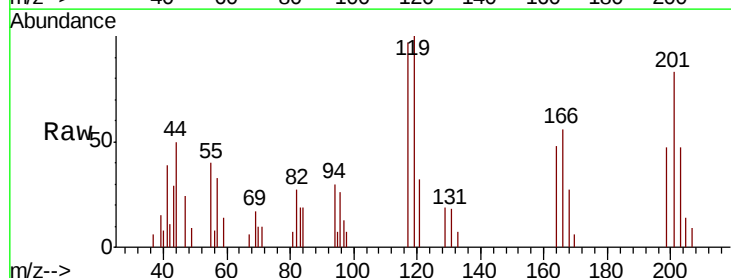
Instrument :  
MSVOA\_D  
ClientSampleId :  
RA-081718-WSW-20-053

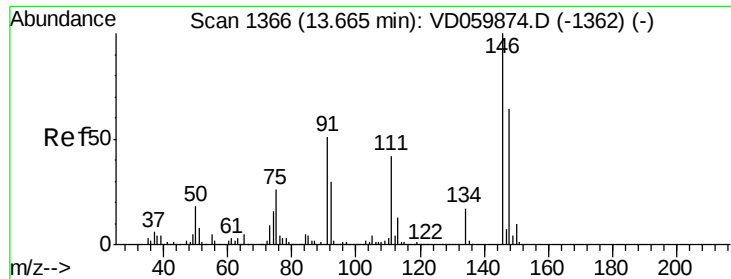
Tot Ion: 91 Resp: 24335  
Ion Ratio Lower Upper  
91 100  
92 56.6 30.0 90.1  
134 21.7 12.8 38.4



#90  
Hexachloroethane  
Concen: 17.45 ug/l  
RT: 13.86 min Scan# 1385  
Delta R.T. -0.00 min  
Lab File: VD059894.D  
Acq: 23 Aug 2018 18:01

Tgt Ion: 117 Resp: 7710  
Ion Ratio Lower Upper  
117 100  
201 85.2 38.1 114.5

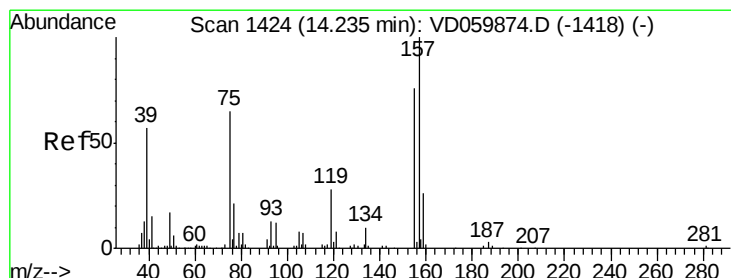
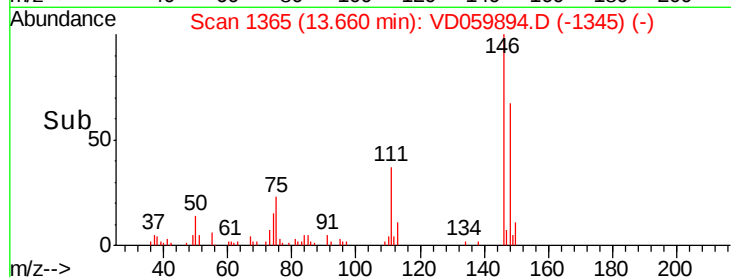
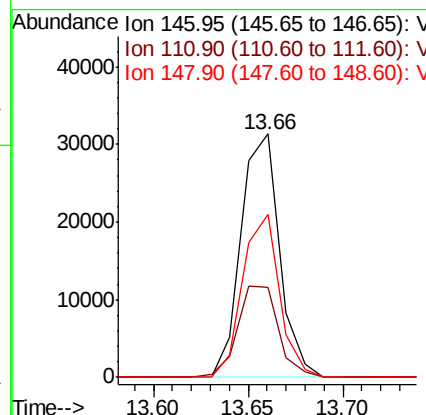
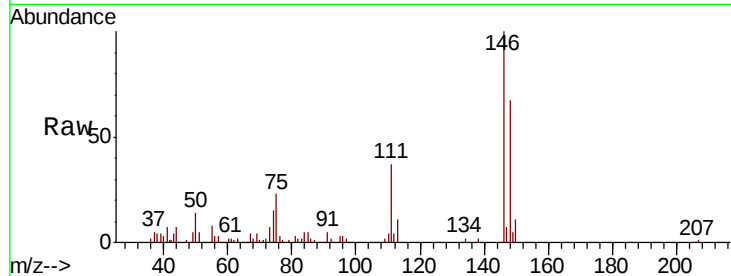




#91  
 1,2-Dichlorobenzene  
 Concen: 54.92 ug/l  
 RT: 13.66 min Scan# 1365  
 Delta R.T. -0.00 min  
 Lab File: VD059894.D  
 Acq: 23 Aug 2018 18:01

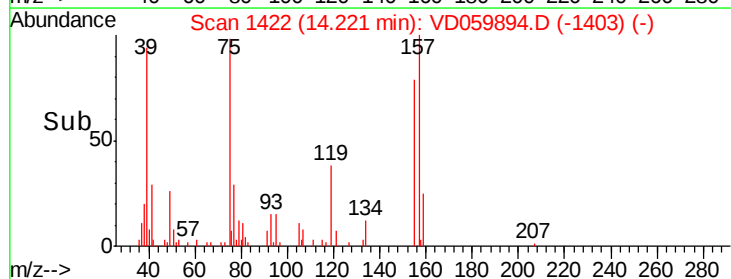
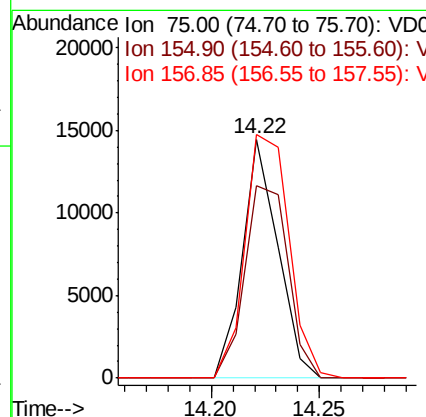
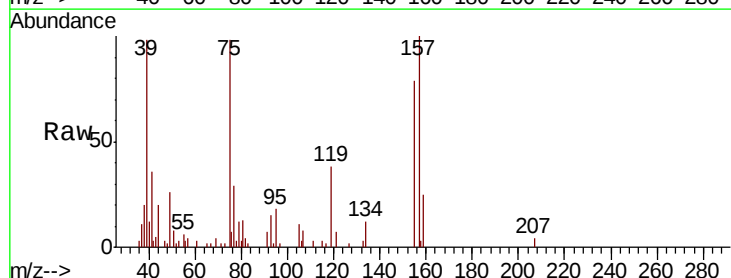
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 RA-081718-WSW-20-053

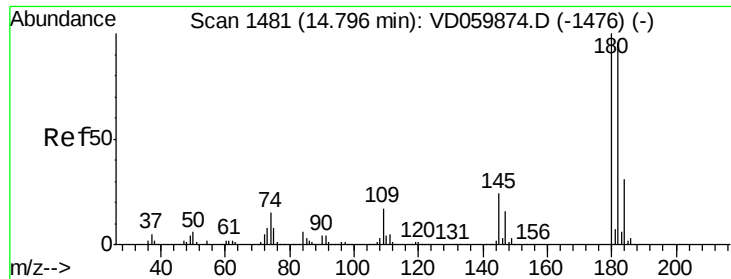
Tot Ion:146 Resp: 43909  
 Ion Ratio Lower Upper  
 146 100  
 111 36.7 21.1 63.1  
 148 67.2 32.2 96.6



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 243.37 ug/l  
 RT: 14.22 min Scan# 1422  
 Delta R.T. -0.01 min  
 Lab File: VD059894.D  
 Acq: 23 Aug 2018 18:01

Tgt Ion: 75 Resp: 16442  
 Ion Ratio Lower Upper  
 75 100  
 155 80.4 58.2 174.6  
 157 101.9 76.8 230.4

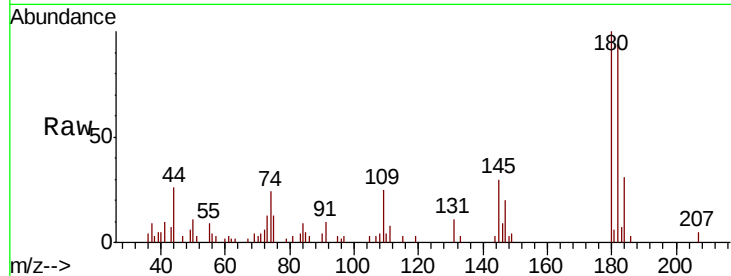




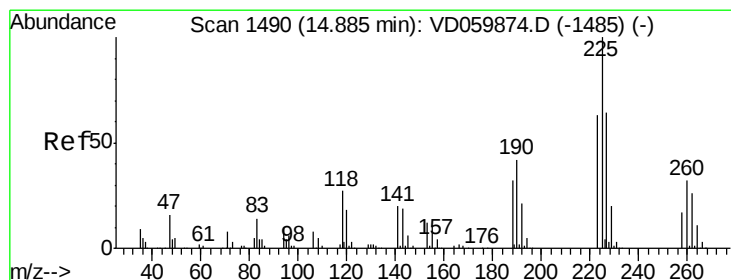
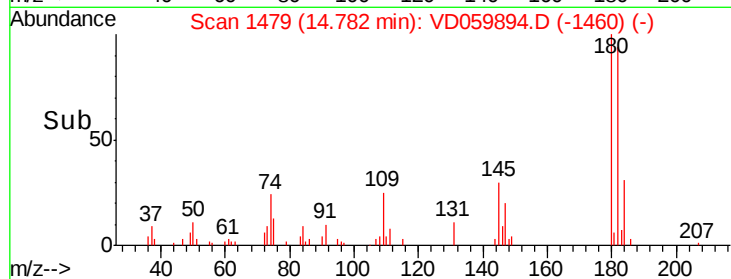
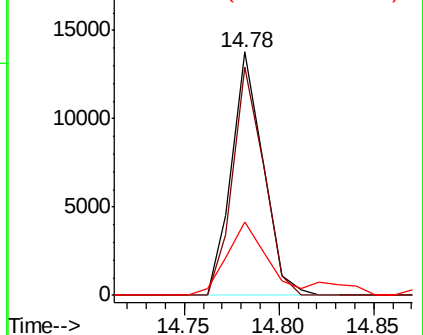
#93  
 1,2,4-Trichlorobenzene  
 Concen: 23.29 ug/l  
 RT: 14.78 min Scan# 1479  
 Delta R.T. -0.01 min  
 Lab File: VD059894.D  
 Acq: 23 Aug 2018 18:01

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 RA-081718-WSW-20-053

Tot Ion:180 Resp: 15941  
 Ion Ratio Lower Upper  
 180 100  
 182 94.0 47.9 143.7  
 145 30.2 12.2 36.4

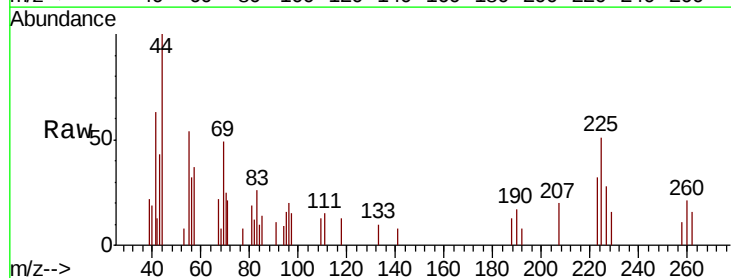


Abundance Ion 179.85 (179.55 to 180.55): V  
 Ion 181.85 (181.55 to 182.55): V  
 Ion 144.95 (144.65 to 145.65): V

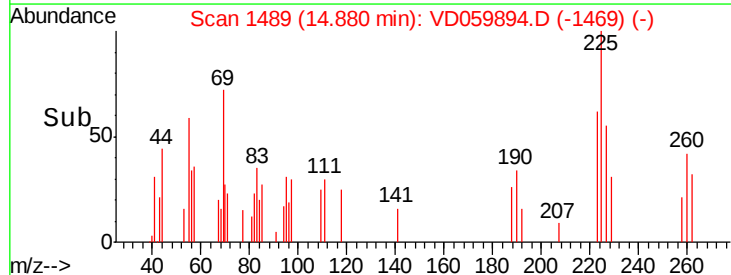
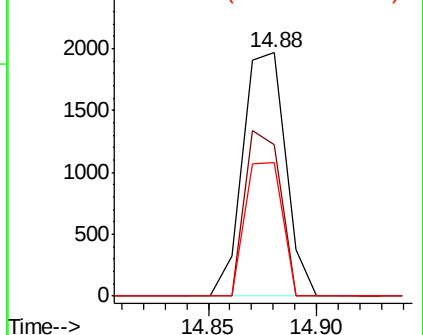


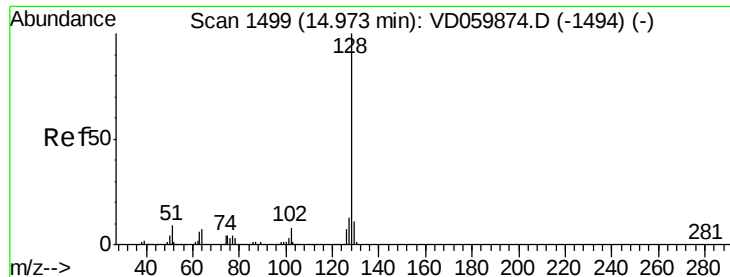
#94  
 Hexachlorobutadiene  
 Concen: 6.01 ug/l  
 RT: 14.88 min Scan# 1489  
 Delta R.T. -0.00 min  
 Lab File: VD059894.D  
 Acq: 23 Aug 2018 18:01

Tgt Ion:225 Resp: 2698  
 Ion Ratio Lower Upper  
 225 100  
 223 62.0 31.6 94.8  
 227 54.7 32.0 96.0



Abundance Ion 224.75 (224.45 to 225.45): V  
 Ion 222.75 (222.45 to 223.45): V  
 Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 29.03 ug/l

RT: 14.96 min Scan# 1497

Delta R.T. -0.01 min

Lab File: VD059894.D

Acq: 23 Aug 2018 18:01

Instrument :

MSVOA\_D

ClientSampleId :

RA-081718-WSW-20-053

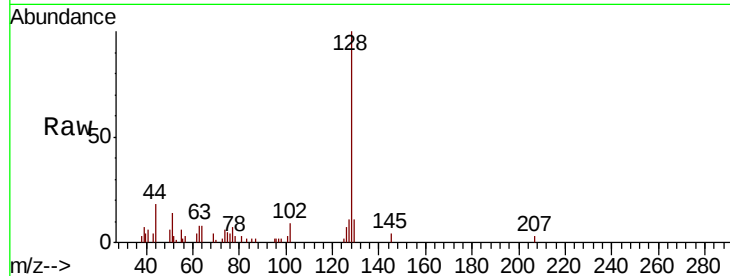
Tot Ion:128 Resp: 30368

Ion Ratio Lower Upper

128 100

127 10.9 10.0 15.0

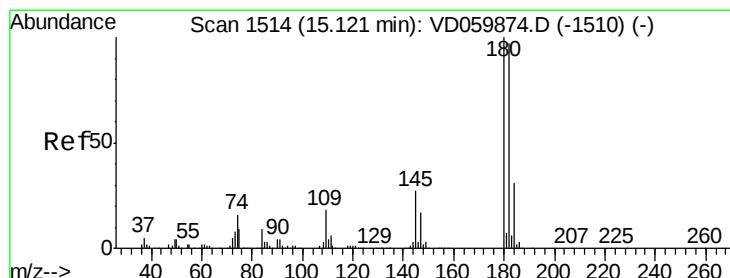
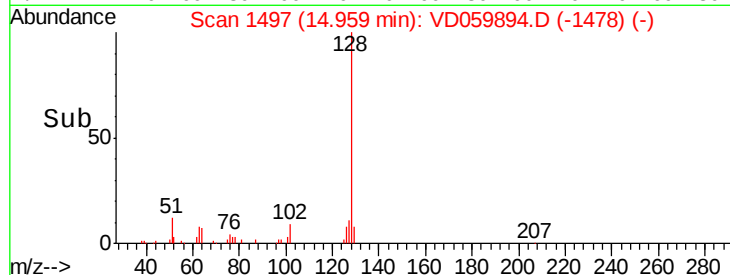
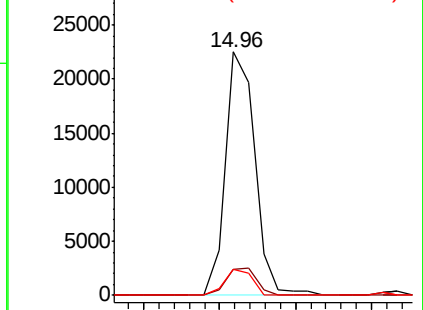
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 26.47 ug/l

RT: 15.11 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VD059894.D

Acq: 23 Aug 2018 18:01

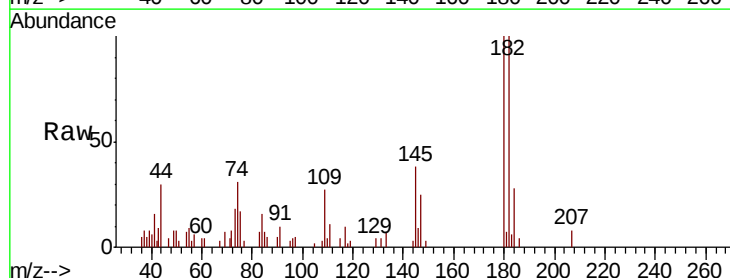
Tgt Ion:180 Resp: 15496

Ion Ratio Lower Upper

180 100

182 99.7 48.6 145.8

145 37.7 13.6 40.8



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

