

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122718\  
 Data File : VD060723.D  
 Acq On : 27 Dec 2018 13:43  
 Operator : VA/AP  
 Sample : VD1227SBS01  
 Misc : 5.00µl/5ml/MSVOA D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1227SBS01

Manual Integrations  
 APPROVED

apatel  
 12/28/2018 9:47:08 AM

Quant Time: Dec 28 08:25:53 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D122018S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 21 17:37:47 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 6.37  | 168  | 1548530  | 50.00 | ug/l  | -0.04    |
| 34) 1,4-Difluorobenzene    | 7.40  | 114  | 2084363  | 50.00 | ug/l  | -0.04    |
| 63) Chlorobenzene-d5       | 11.26 | 117  | 1710513  | 50.00 | ug/l  | -0.02    |
| 72) 1,4-Dichlorobenzene-d4 | 13.36 | 152  | 878346   | 50.00 | ug/l  | -0.02    |

## System Monitoring Compounds

|                           |        |     |          |       |         |       |
|---------------------------|--------|-----|----------|-------|---------|-------|
| 33) 1,2-Dichloroethane-d4 | 6.74   | 65  | 526814   | 49.23 | ug/l    | -0.05 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.46%  |       |
| 35) Dibromofluoromethane  | 6.29   | 113 | 801012   | 52.50 | ug/l    | -0.04 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 105.00% |       |
| 50) Toluene-d8            | 9.42   | 98  | 2272530  | 49.92 | ug/l    | -0.04 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.84%  |       |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 826495   | 51.84 | ug/l    | -0.02 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 103.68% |       |

## Target Compounds

|                               |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.59 | 85  | 345937  | 17.484  | ug/l   | 99     |
| 3) Chloromethane              | 1.75 | 50  | 320841  | 17.619  | ug/l   | 98     |
| 4) Vinyl Chloride             | 1.84 | 62  | 261478  | 18.086  | ug/l   | 100    |
| 5) Bromomethane               | 2.13 | 94  | 39575   | 12.220  | ug/l   | 92     |
| 6) Chloroethane               | 2.25 | 64  | 67129   | 15.559  | ug/l   | 95     |
| 7) Trichlorofluoromethane     | 2.49 | 101 | 291364  | 18.119  | ug/l   | 99     |
| 8) Diethyl Ether              | 2.81 | 74  | 50508   | 18.773  | ug/l   | 94     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.06 | 101 | 192344  | 18.440  | ug/l   | 99     |
| 10) Methyl Iodide             | 3.22 | 142 | 196153  | 17.893  | ug/l   | 98     |
| 11) Tert butyl alcohol        | 3.94 | 59  | 44097   | 98.599  | ug/l   | 97     |
| 12) 1,1-Dichloroethene        | 3.05 | 96  | 161236  | 18.812  | ug/l   | 95     |
| 13) Acrolein                  | 2.96 | 56  | 41156   | 90.303  | ug/l   | 98     |
| 14) Allyl chloride            | 3.50 | 41  | 302014  | 19.204  | ug/l   | 99     |
| 15) Acrylonitrile             | 4.06 | 53  | 257498  | 99.171  | ug/l   | 95     |
| 16) Acetone                   | 3.13 | 43  | 175768  | 94.051  | ug/l   | 94     |
| 17) Carbon Disulfide          | 3.29 | 76  | 477105  | 17.431  | ug/l   | 98     |
| 18) Methyl Acetate            | 3.52 | 43  | 82844   | 17.887  | ug/l # | 92     |
| 19) Methyl tert-butyl Ether   | 4.09 | 73  | 443086  | 20.377  | ug/l   | 98     |
| 20) Methylene Chloride        | 3.69 | 84  | 342415  | 17.643  | ug/l   | 98     |
| 21) trans-1,2-Dichloroethene  | 4.07 | 96  | 329289  | 18.760  | ug/l   | 97     |
| 22) Diisopropyl ether         | 4.81 | 45  | 1067380 | 19.990  | ug/l   | 96     |
| 23) Vinyl Acetate             | 4.76 | 43  | 2601807 | 100.715 | ug/l   | 98     |
| 24) 1,1-Dichloroethane        | 4.72 | 63  | 551512  | 19.636  | ug/l   | 99     |
| 25) 2-Butanone                | 5.58 | 43  | 360470  | 100.797 | ug/l   | 100    |
| 26) 2,2-Dichloropropane       | 5.55 | 77  | 431197  | 19.449  | ug/l   | 100    |
| 27) cis-1,2-Dichloroethene    | 5.56 | 96  | 350051  | 19.646  | ug/l   | 98     |
| 28) Bromochloromethane        | 5.89 | 49  | 182548  | 15.385  | ug/l   | 98     |
| 29) Tetrahydrofuran           | 5.92 | 42  | 195963  | 96.660  | ug/l   | 99     |
| 30) Chloroform                | 6.06 | 83  | 560865  | 19.846  | ug/l   | 96     |
| 31) Cyclohexane               | 6.33 | 56  | 515755  | 19.082  | ug/l   | 98     |
| 32) 1,1,1-Trichloroethane     | 6.25 | 97  | 460085  | 19.677  | ug/l   | 96     |
| 36) 1,1-Dichloropropene       | 6.49 | 75  | 427208  | 19.904  | ug/l   | 98     |
| 37) Ethyl Acetate             | 5.66 | 43  | 180229  | 20.078  | ug/l   | 97     |
| 38) Carbon Tetrachloride      | 6.46 | 117 | 386191  | 20.395  | ug/l   | 99     |

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 Acq On : 27 Dec 2018 13:43  
 Operator : VA/AP  
 Sample : VD1227SBSD01  
 Misc : 5.00µl/5ml/MSVOA D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VD1227SBSD01

Manual Integrations  
 APPROVED

apatel  
 12/28/2018 9:47:08 AM

Quant Time: Dec 28 08:25:53 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D122018S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 21 17:37:47 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 8.00  | 83   | 465111   | 19.000  | ug/l   | 99       |
| 40) Benzene                    | 6.75  | 78   | 1096679  | 19.781  | ug/l   | 100      |
| 41) Methacrylonitrile          | 5.90  | 41   | 100031m  | 20.146  | ug/l   |          |
| 42) 1,2-Dichloroethane         | 6.86  | 62   | 271193   | 19.711  | ug/l   | 98       |
| 43) Isopropyl Acetate          | 8.32  | 43   | 230296   | 19.992  | ug/l # | 98       |
| 44) Trichloroethene            | 7.71  | 130  | 340901   | 20.775  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 8.06  | 63   | 268086   | 19.718  | ug/l   | 98       |
| 46) Dibromomethane             | 8.18  | 93   | 155885   | 20.089  | ug/l   | 97       |
| 47) Bromodichloromethane       | 8.45  | 83   | 375825   | 20.448  | ug/l   | 99       |
| 48) Methyl methacrylate        | 8.21  | 41   | 137951   | 19.717  | ug/l   | 96       |
| 49) 1,4-Dioxane                | 8.19  | 88   | 25636    | 394.083 | ug/l # | 89       |
| 51) 4-Methyl-2-Pentanone       | 9.31  | 43   | 720196   | 102.046 | ug/l   | 100      |
| 52) Toluene                    | 9.52  | 92   | 707523   | 20.357  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 9.88  | 75   | 309383   | 20.177  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 9.06  | 75   | 410116   | 20.434  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.15 | 97   | 195124   | 20.866  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 10.00 | 69   | 175038   | 20.152  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.35 | 76   | 296345   | 19.993  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 8.89  | 63   | 516105   | 100.844 | ug/l   | 95       |
| 59) 2-Hexanone                 | 10.46 | 43   | 518367   | 104.932 | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.61 | 129  | 251383   | 21.105  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 10.73 | 107  | 195183   | 20.123  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.22 | 164  | 310872   | 20.052  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.29 | 112  | 760201   | 20.116  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.40 | 131  | 251395   | 20.689  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.41 | 91   | 1304122  | 20.150  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.54 | 106  | 988825   | 41.806  | ug/l   | 97       |
| 69) o-Xylene                   | 11.91 | 106  | 461555   | 20.568  | ug/l   | 87       |
| 70) Styrene                    | 11.93 | 104  | 756268   | 20.925  | ug/l   | 96       |
| 71) Bromoform                  | 12.10 | 173  | 158420   | 19.751  | ug/l   | 99       |
| 73) Isopropylbenzene           | 12.25 | 105  | 1303192  | 20.839  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.12 | 43   | 292609   | 19.825  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.54 | 83   | 209320   | 20.650  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.58 | 75   | 200003   | 20.001  | ug/l   | 100      |
| 77) Bromobenzene               | 12.52 | 156  | 345673   | 20.937  | ug/l   | 97       |
| 78) n-propylbenzene            | 12.62 | 91   | 1697726  | 21.235  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.69 | 91   | 917556   | 21.427  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.77 | 105  | 1047513  | 21.692  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 12.32 | 75   | 55030    | 19.915  | ug/l   | 95       |
| 82) 4-Chlorotoluene            | 12.78 | 91   | 1038614  | 21.399  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 13.03 | 119  | 1156038  | 21.035  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.07 | 105  | 1063474  | 21.382  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 13.20 | 105  | 1398923  | 20.872  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.33 | 119  | 1145826  | 21.179  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.30 | 146  | 621681   | 20.511  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.38 | 146  | 616568   | 20.644  | ug/l   | 98       |
| 89) n-Butylbenzene             | 13.63 | 91   | 1173423  | 21.224  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.84 | 117  | 280003   | 21.067  | ug/l   | 88       |
| 91) 1,2-Dichlorobenzene        | 13.64 | 146  | 514799   | 21.174  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.21 | 75   | 22179    | 18.625  | ug/l # | 45       |

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Data File : VD060723.D  
Acq On : 27 Dec 2018 13:43  
Operator : VA/AP  
Sample : VD1227SBSD01  
Misc : 5.00g/5ml/MSVOA D/SOIL  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1227SBSD01

Manual Integrations  
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12/28/2018 9:47:08 AM

Quant Time: Dec 28 08:25:53 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D122018S.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 21 17:37:47 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.77 | 180  | 407242   | 21.050 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 14.86 | 225  | 314282   | 21.978 | ug/l  | 98       |
| 95) Naphthalene            | 14.95 | 128  | 455609   | 19.815 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.10 | 180  | 327040   | 21.625 | ug/l  | 99       |

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

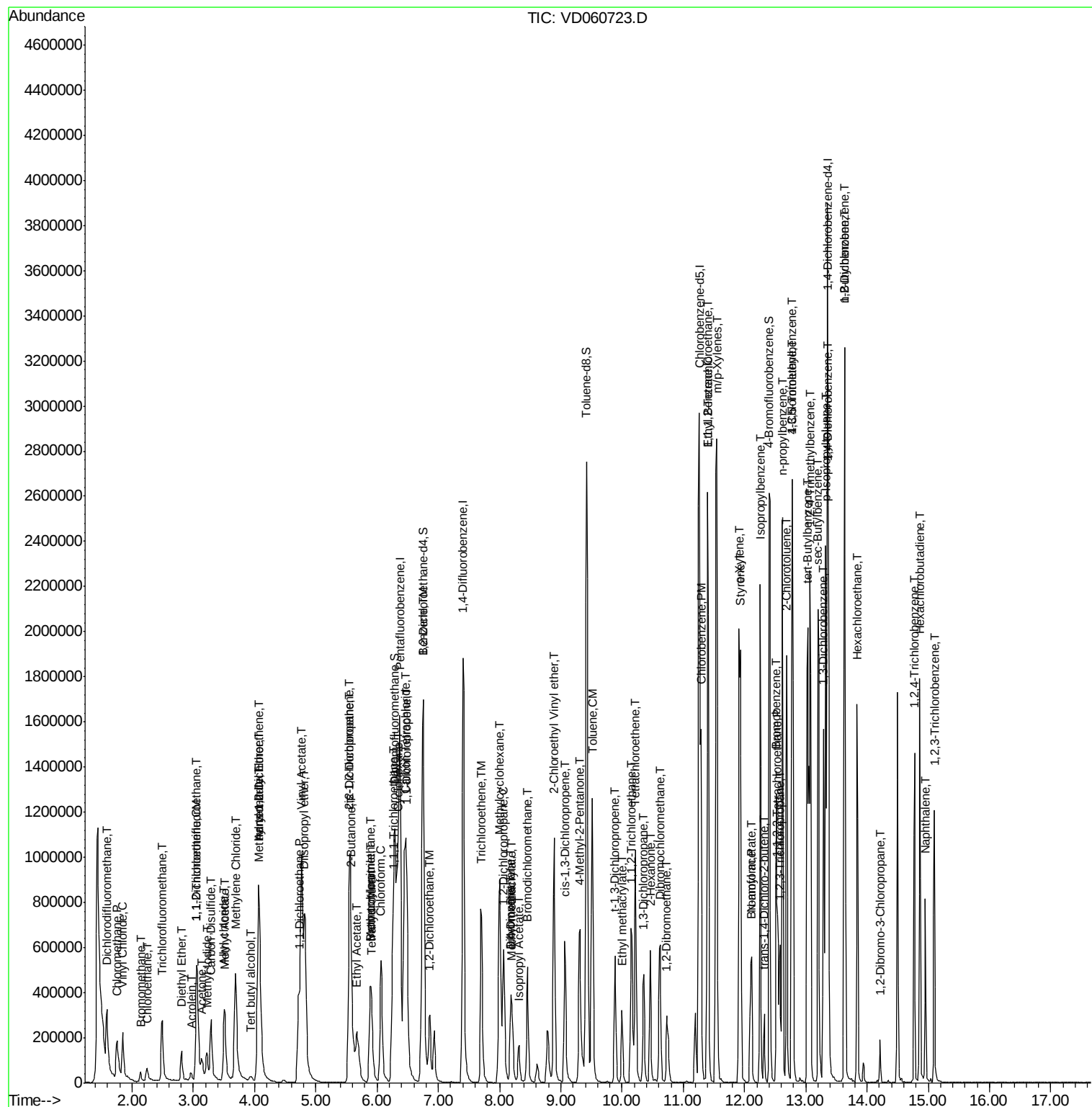
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Data File : VD060723.D  
Acq On : 27 Dec 2018 13:43  
Operator : VA/AP  
Sample : VD1227SBSD01  
Misc : 5.00µl/5ml/MSVOA D/SOIL  
ALS Vial : 6 Sample Multiplier: 1

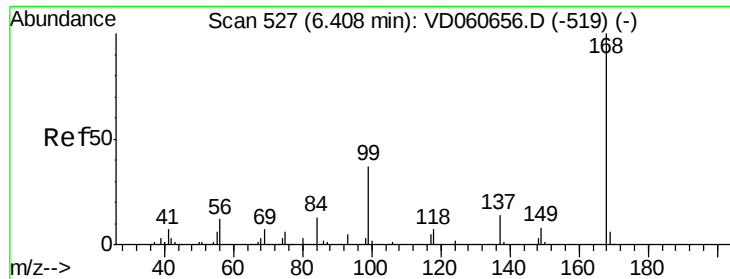
Instrument :  
MSVOA\_D  
ClientSampleID :  
VD1227SBSD01

Manual Integrations  
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apatel  
12/28/2018 9:47:08 AM

Quant Time: Dec 28 08:25:53 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D122018S.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 21 17:37:47 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.37 min Scan# 523

Delta R.T. -0.04 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

Instrument :

MSVOA\_D

ClientSampleId :

VD1227SBS01

Tot Ion:168 Resp: 1548530

Ion Ratio Lower Upper

168 100

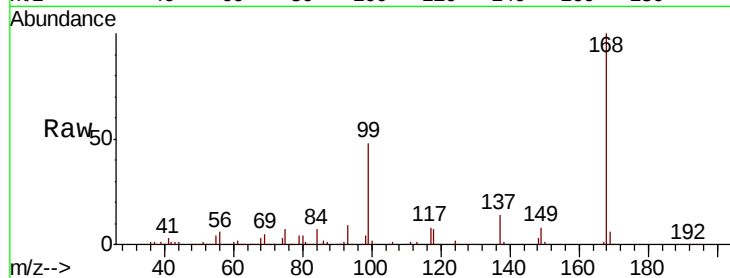
99 47.8 38.7 58.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.37

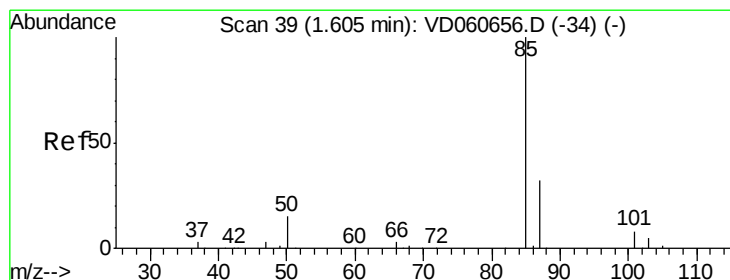
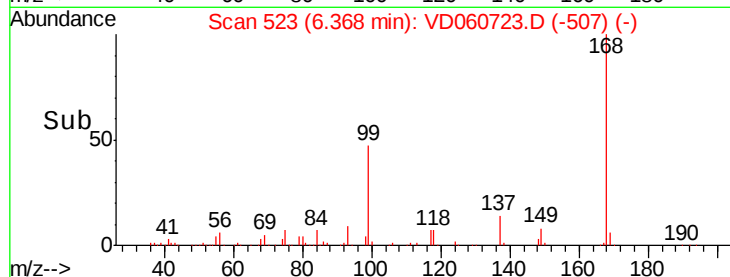
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.484 ug/l

RT: 1.59 min Scan# 37

Delta R.T. -0.02 min

Lab File: VD060723.D

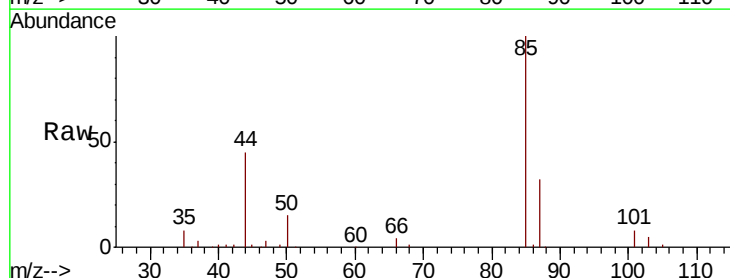
Acq: 27 Dec 2018 13:43

Tgt Ion: 85 Resp: 345937

Ion Ratio Lower Upper

85 100

87 32.4 16.0 47.9



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

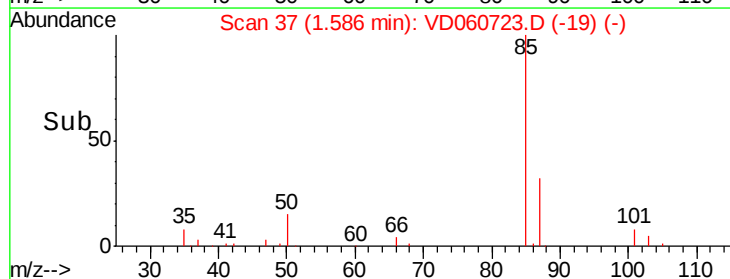
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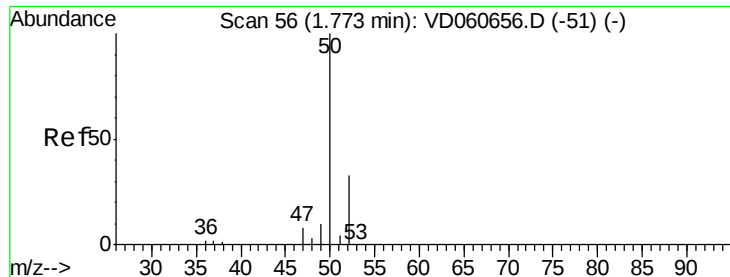
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50000

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Time-->





#3

Chloromethane

Concen: 17.619 ug/l

RT: 1.75 min Scan# 54

Delta R.T. -0.02 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

Instrument :

MSVOA\_D

ClientSampleId :

VD1227SBS01

Tot Ion: 50 Resp: 320841

Ion Ratio Lower Upper

50 100

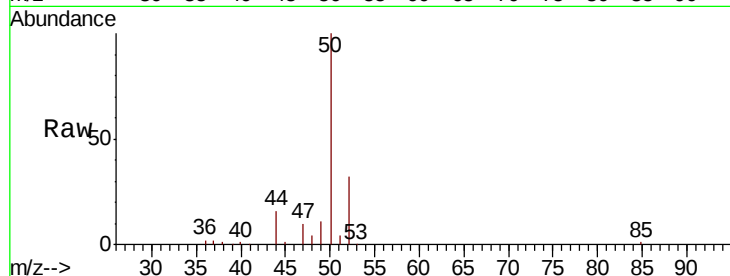
52 32.1 26.6 39.8

Manual Integrations

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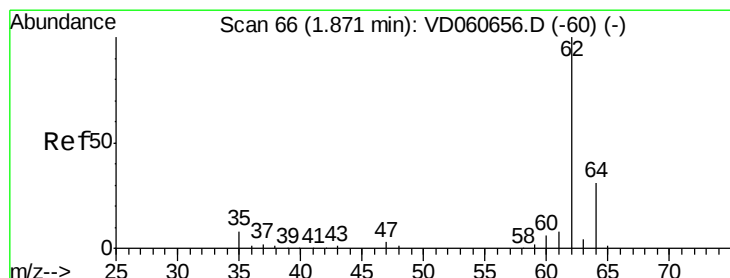
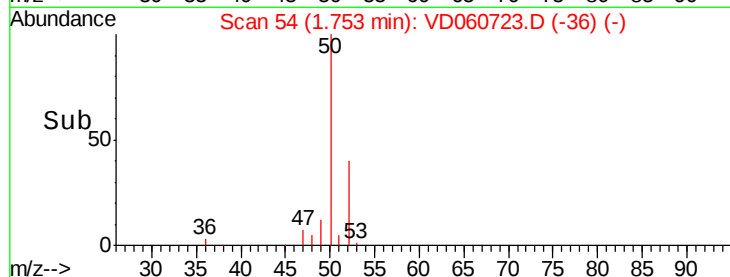
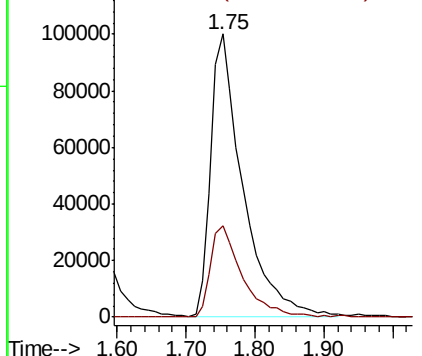
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.086 ug/l

RT: 1.84 min Scan# 63

Delta R.T. -0.03 min

Lab File: VD060723.D

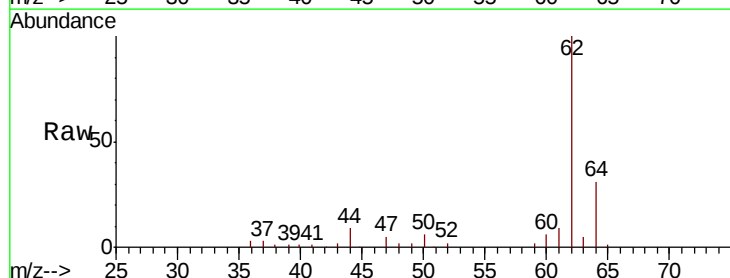
Acq: 27 Dec 2018 13:43

Tgt Ion: 62 Resp: 261478

Ion Ratio Lower Upper

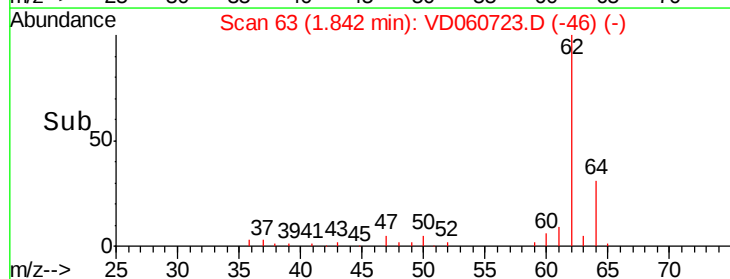
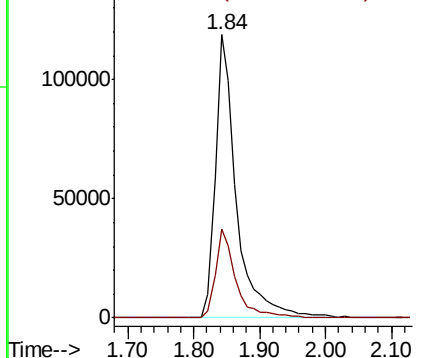
62 100

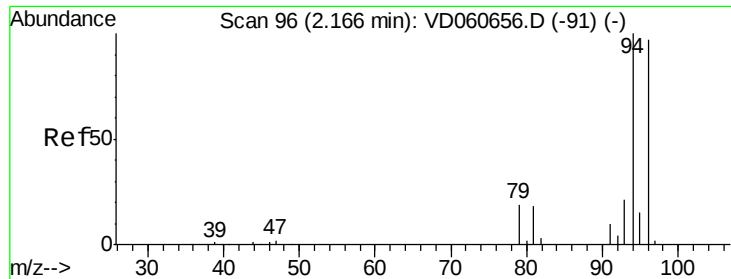
64 31.4 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 12.220 ug/l

RT: 2.13 min Scan# 92

Delta R.T. -0.04 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

Instrument :

MSVOA\_D

ClientSampleId :

VD1227SBS01

Tot Ion: 94 Resp: 39575

Ion Ratio Lower Upper

94 100

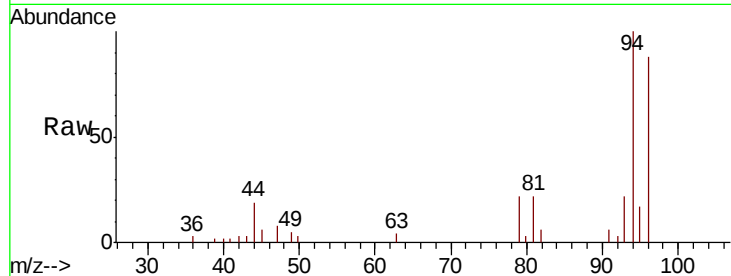
96 88.2 77.2 115.8

Manual Integrations

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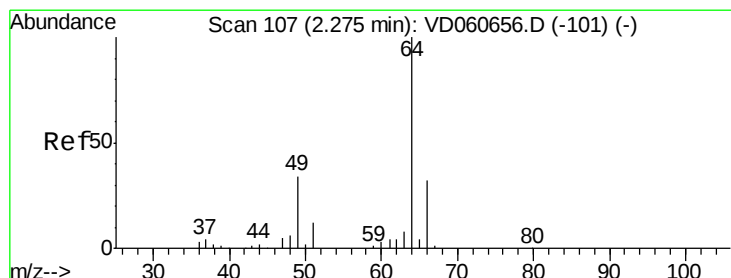
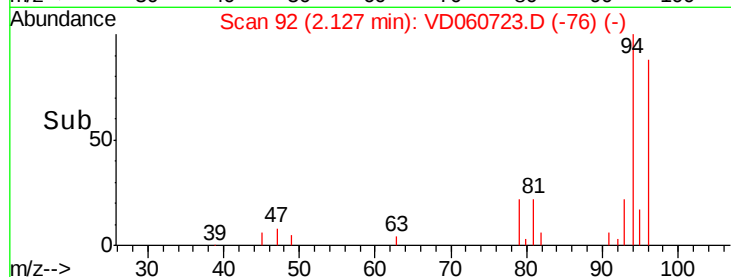
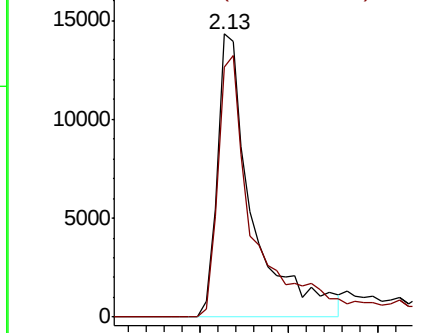
apatel

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 15.559 ug/l

RT: 2.25 min Scan# 104

Delta R.T. -0.03 min

Lab File: VD060723.D

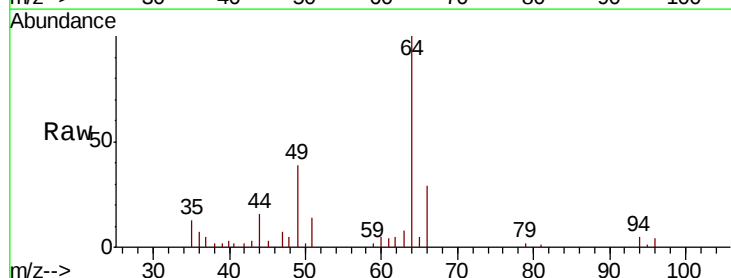
Acq: 27 Dec 2018 13:43

Tgt Ion: 64 Resp: 67129

Ion Ratio Lower Upper

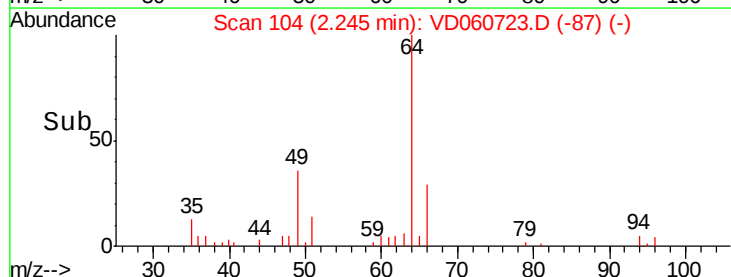
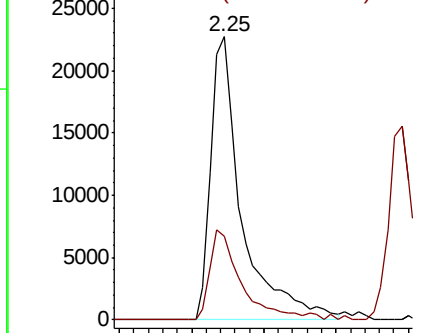
64 100

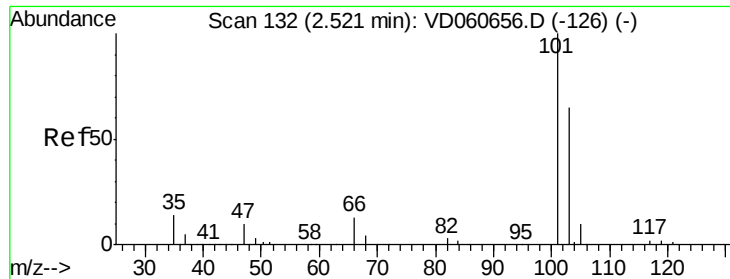
66 29.4 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

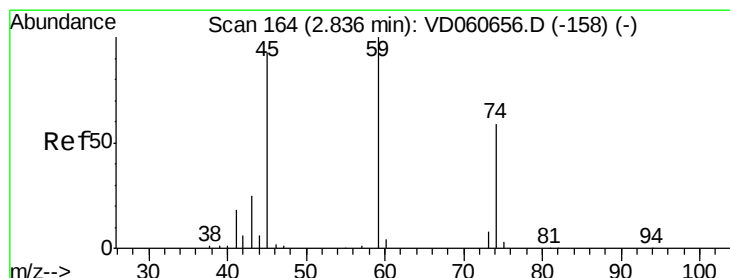
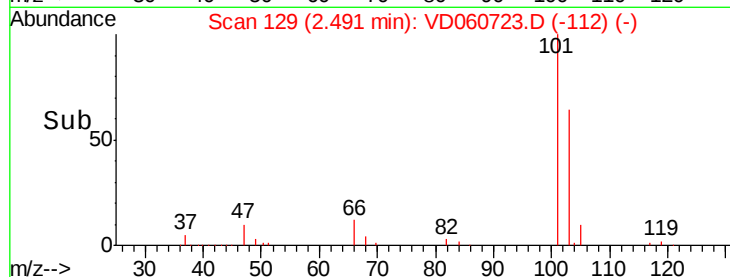
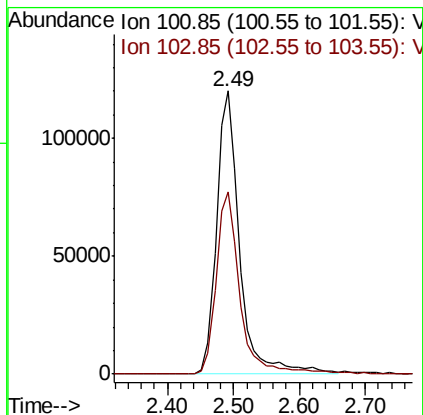
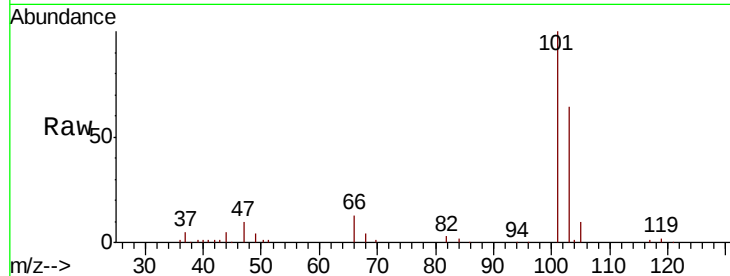
Trichlorofluoromethane  
Concen: 18.119 ug/l  
RT: 2.49 min Scan# 129  
Delta R.T. -0.03 min  
Lab File: VD060723.D  
Acq: 27 Dec 2018 13:43

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1227SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.3  | 51.9  | 77.9  |

Manual Integrations  
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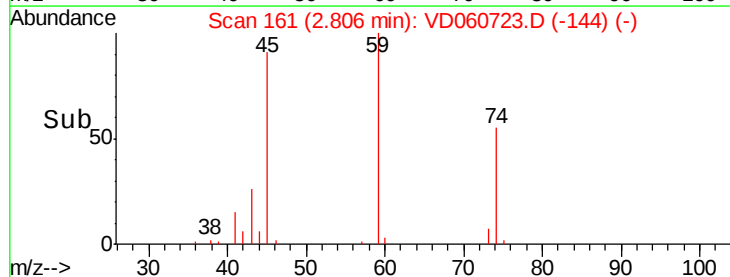
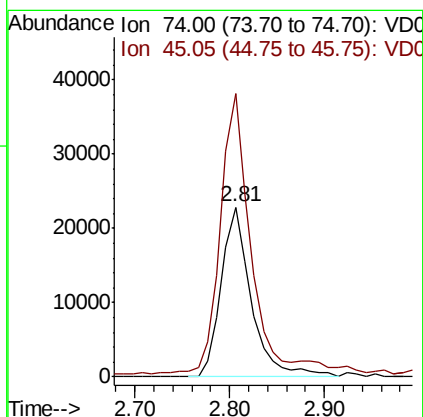
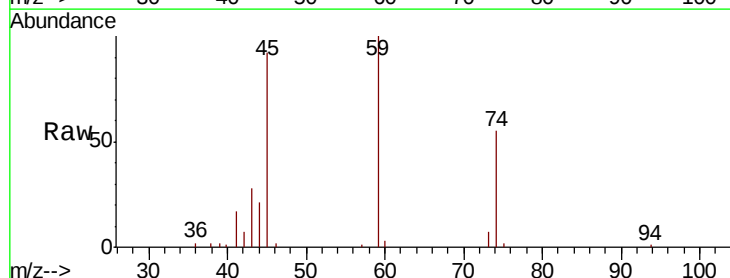
apatel  
12/28/2018 9:47:08 AM

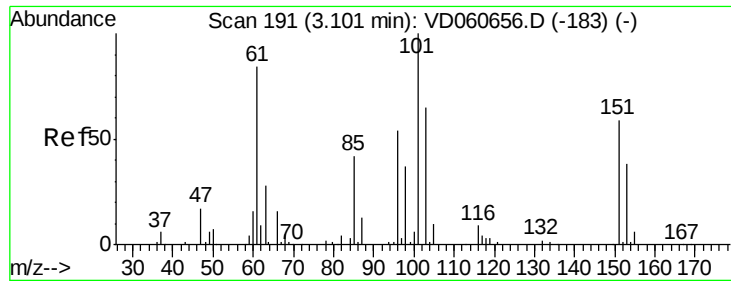


#8

Diethyl Ether  
Concen: 18.773 ug/l  
RT: 2.81 min Scan# 161  
Delta R.T. -0.03 min  
Lab File: VD060723.D  
Acq: 27 Dec 2018 13:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 166.6 | 79.3  | 238.1 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.440 ug/l

RT: 3.06 min Scan# 187

Delta R.T. -0.04 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

Instrument :

MSVOA\_D

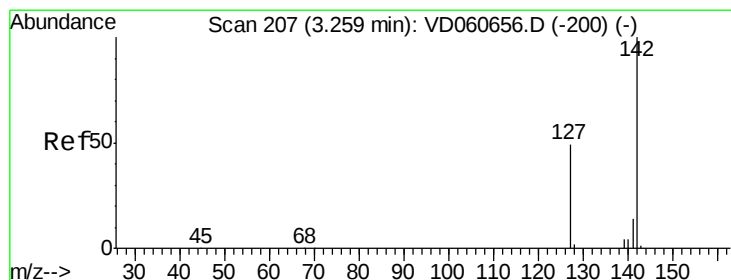
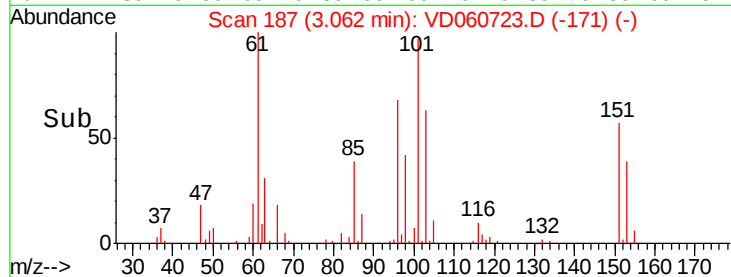
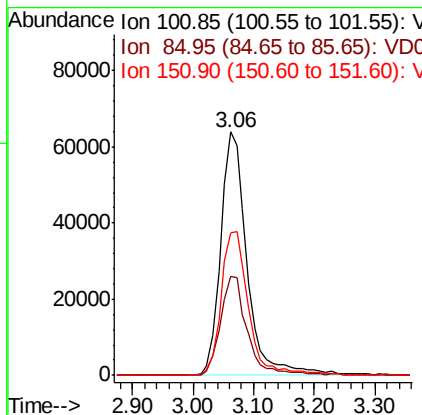
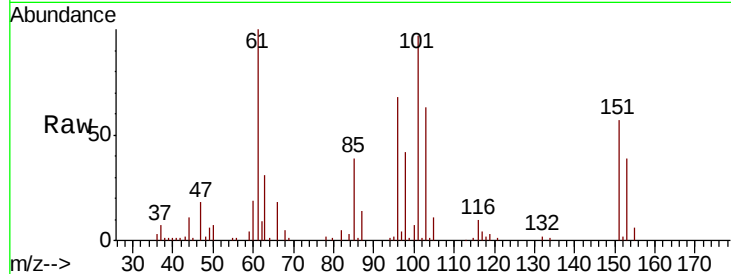
ClientSampleId :

VD1227SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 192344 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 40.5  | 33.4  | 50.0   |
| 151       | 58.6  | 47.5  | 71.3   |

Manual Integrations  
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#10

Methyl Iodide

Concen: 17.893 ug/l

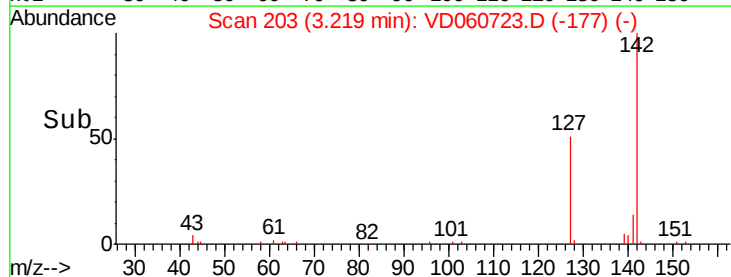
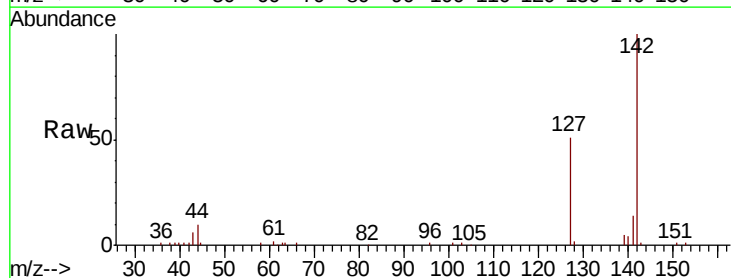
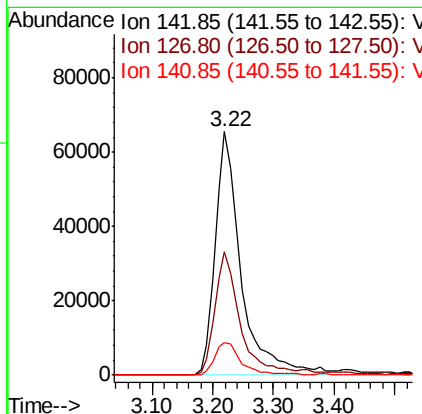
RT: 3.22 min Scan# 203

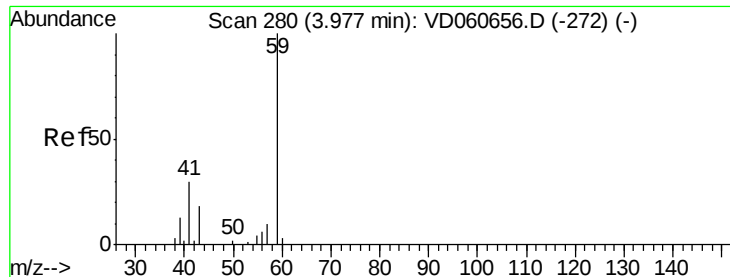
Delta R.T. -0.04 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 196153 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 50.6  | 39.5  | 59.3   |
| 141       | 13.6  | 11.3  | 16.9   |





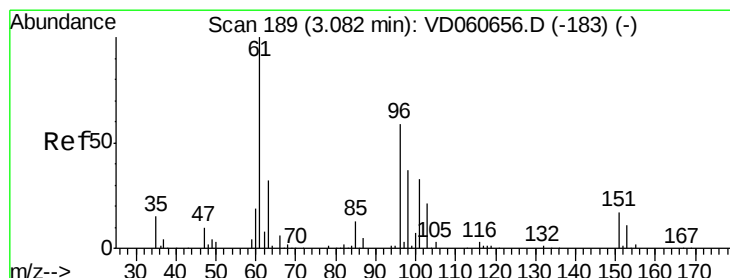
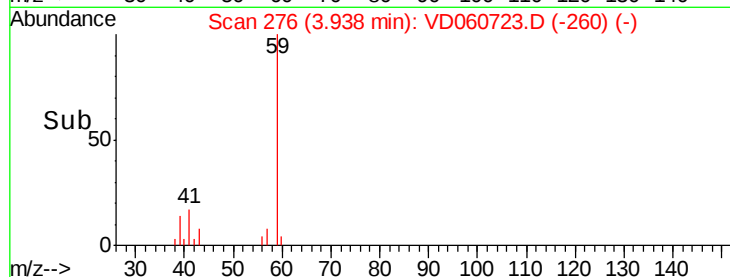
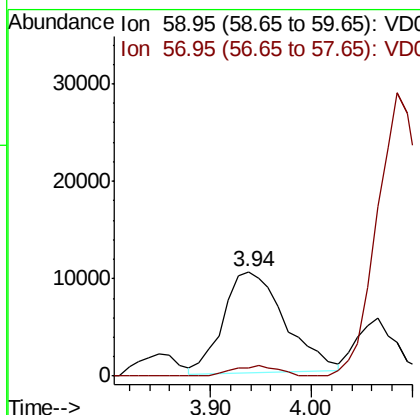
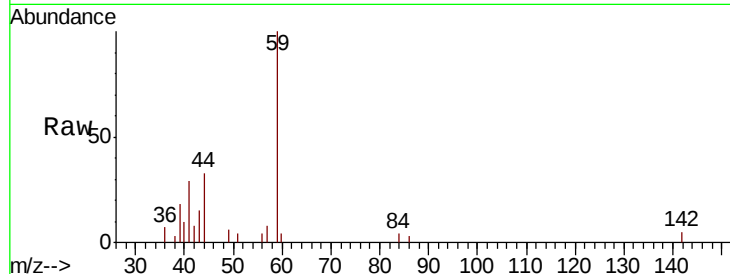
#11  
Tert butyl alcohol  
Concen: 98.599 ug/l  
RT: 3.94 min Scan# 276  
Delta R.T. -0.04 min  
Lab File: VD060723.D  
Acq: 27 Dec 2018 13:43

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1227SBSD01

Tot Ion: 59 Resp: 44097  
Ion Ratio Lower Upper  
59 100  
57 8.4 7.8 11.6

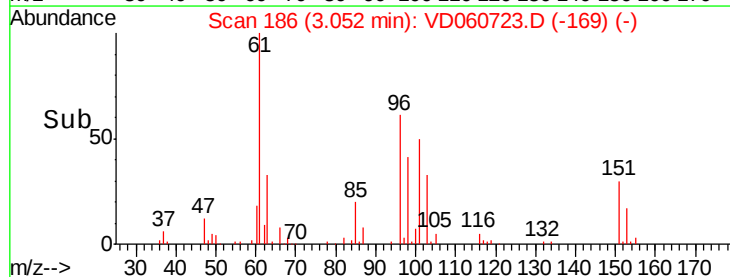
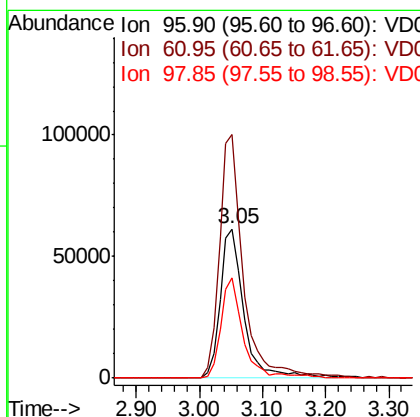
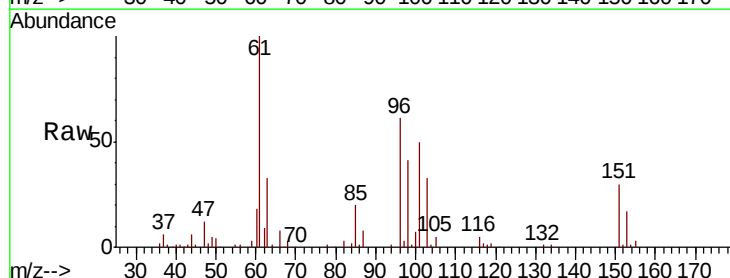
Manual Integrations  
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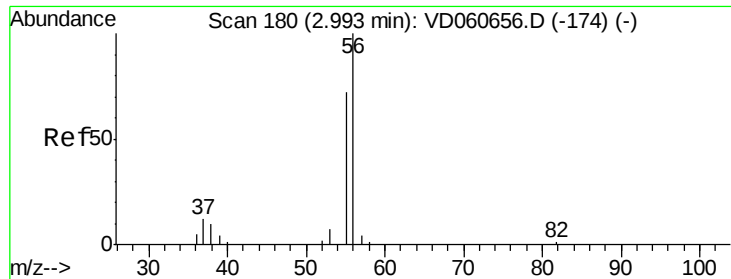
apatel  
12/28/2018 9:47:08 AM



#12  
1,1-Dichloroethene  
Concen: 18.812 ug/l  
RT: 3.05 min Scan# 186  
Delta R.T. -0.03 min  
Lab File: VD060723.D  
Acq: 27 Dec 2018 13:43

Tgt Ion: 96 Resp: 161236  
Ion Ratio Lower Upper  
96 100  
61 163.0 136.2 204.4  
98 67.3 50.7 76.1





#13

Acrolein

Concen: 90.303 ug/l

RT: 2.96 min Scan# 177

Delta R.T. -0.03 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

Instrument :

MSVOA\_D

ClientSampleId :

VD1227SBSD01

Tot Ion: 56 Resp: 41156

Ion Ratio Lower Upper

56 100

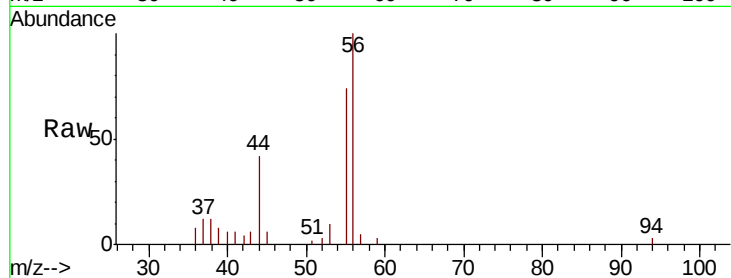
55 73.6 57.7 86.5

Manual Integrations

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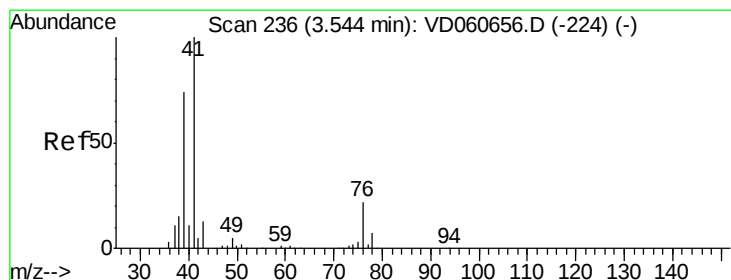
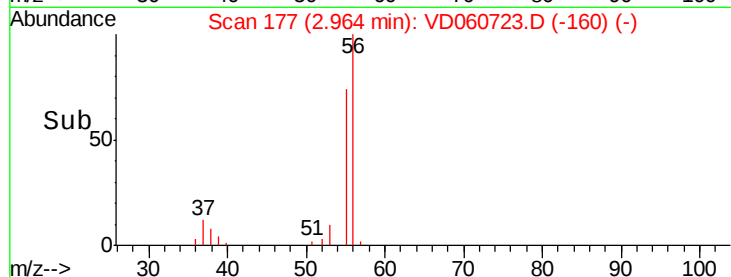
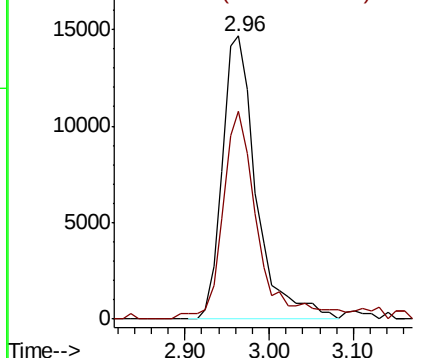
apatel

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.204 ug/l

RT: 3.50 min Scan# 232

Delta R.T. -0.04 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

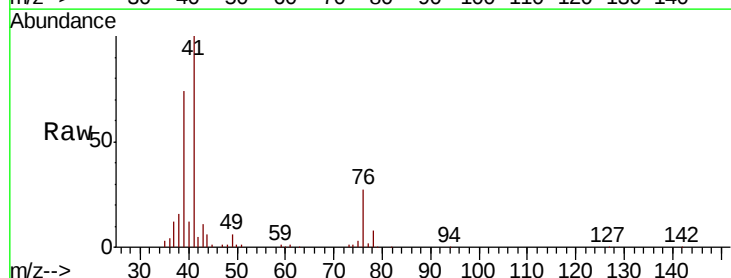
Tgt Ion: 41 Resp: 302014

Ion Ratio Lower Upper

41 100

39 73.6 59.6 89.4

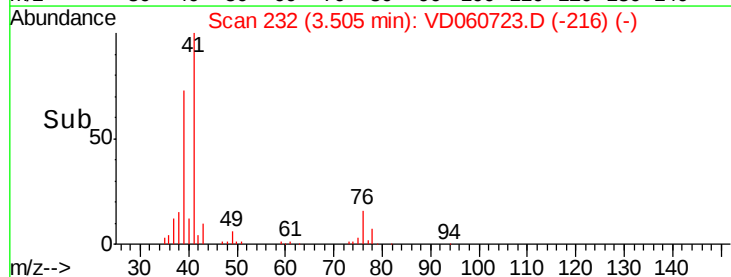
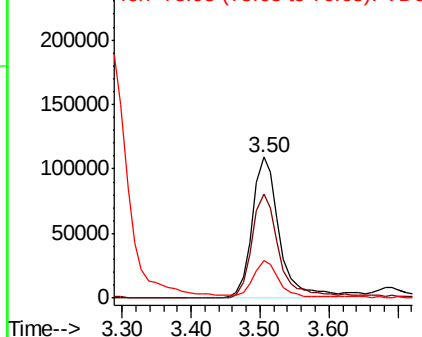
76 27.0 21.8 32.6

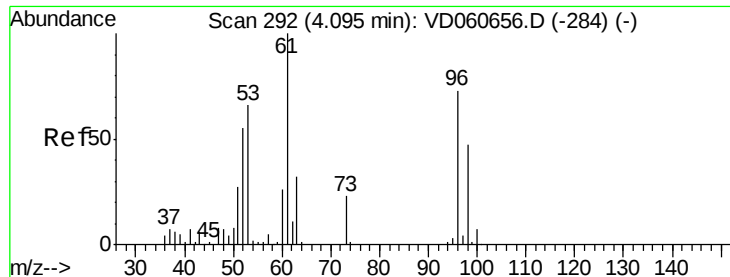


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 99.171 ug/l

RT: 4.06 min Scan# 288

Delta R.T. -0.04 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

Instrument :

MSVOA\_D

ClientSampleID :

VD1227SBS01

Tot Ion: 53 Resp: 257498

Ion Ratio Lower Upper

53 100

52 79.8 66.7 100.1

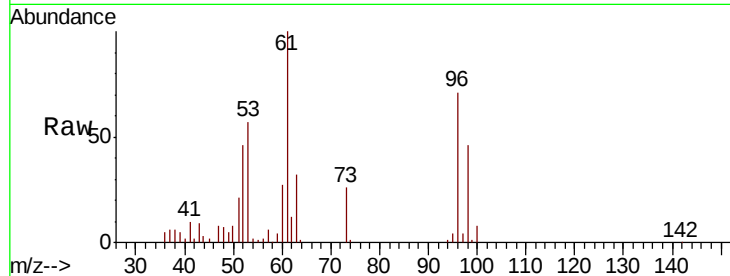
51 36.2 32.7 49.1

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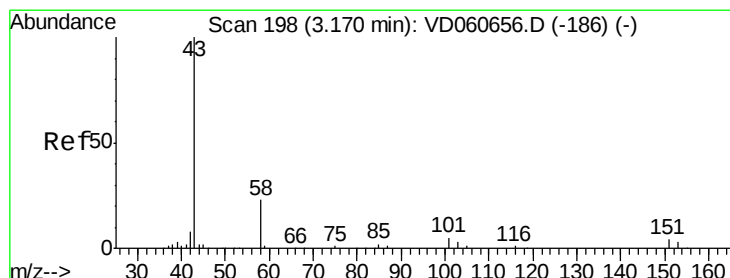
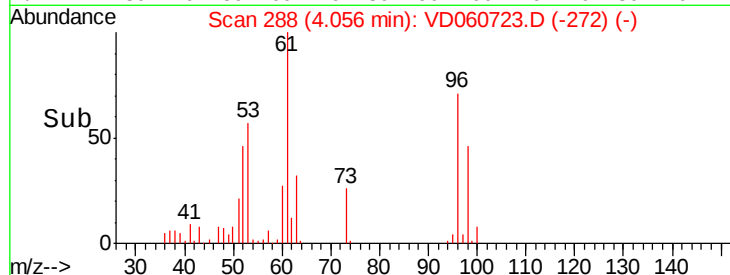
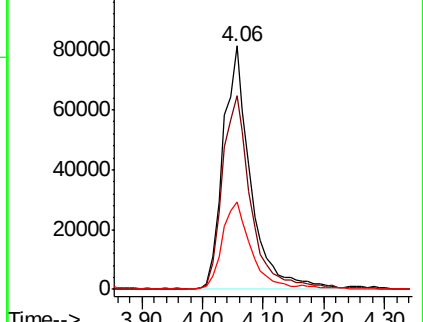
12/28/2018 9:47:08 AM



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: 94.051 ug/l

RT: 3.13 min Scan# 194

Delta R.T. -0.04 min

Lab File: VD060723.D

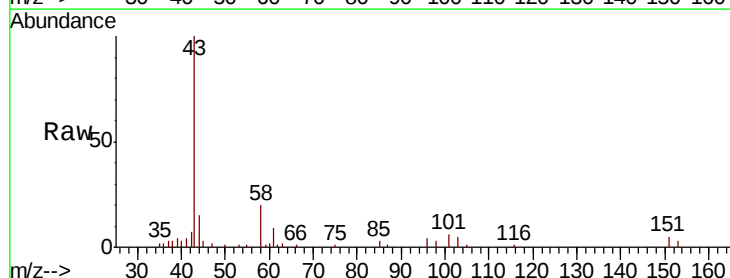
Acq: 27 Dec 2018 13:43

Tgt Ion: 43 Resp: 175768

Ion Ratio Lower Upper

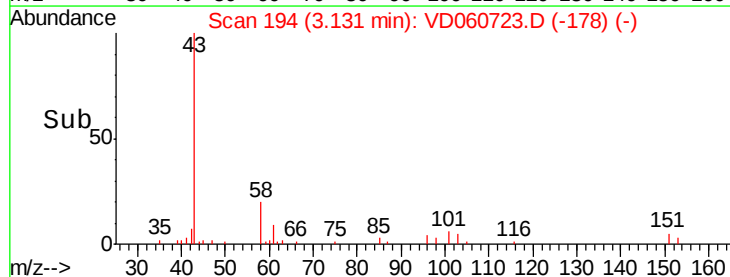
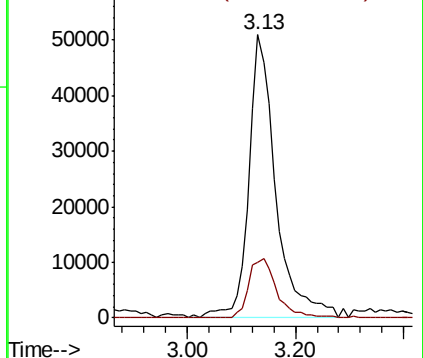
43 100

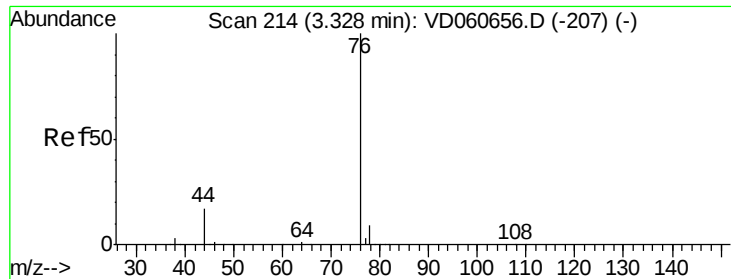
58 19.7 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 17.431 ug/l

RT: 3.29 min Scan# 210

Delta R.T. -0.04 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

Instrument :

MSVOA\_D

ClientSampleId :

VD1227SBSD01

Tot Ion: 76 Resp: 477105

Ion Ratio Lower Upper

76 100

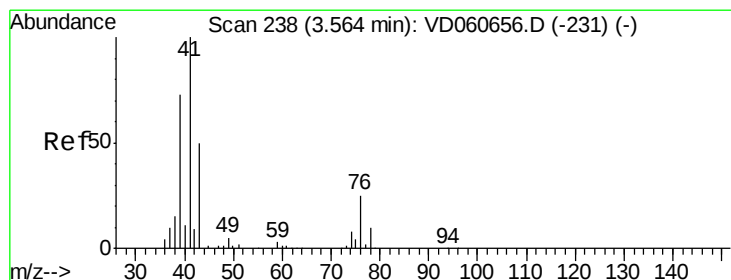
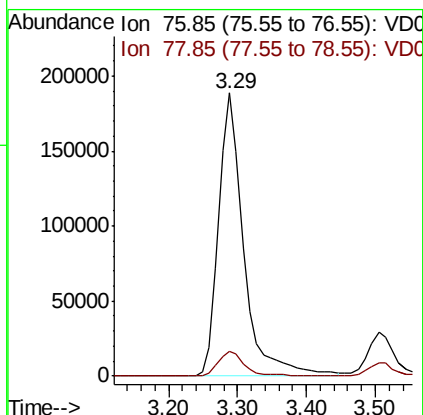
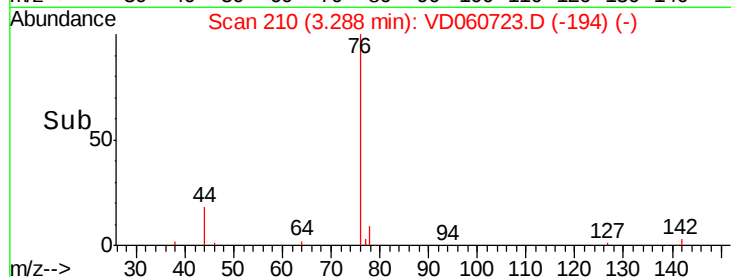
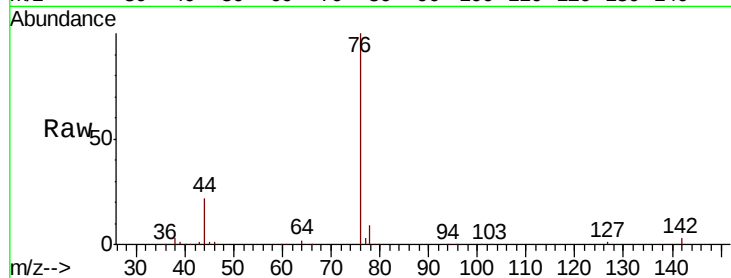
78 8.6 7.4 11.0

Manual Integrations

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#18

Methyl Acetate

Concen: 17.887 ug/l

RT: 3.52 min Scan# 234

Delta R.T. -0.04 min

Lab File: VD060723.D

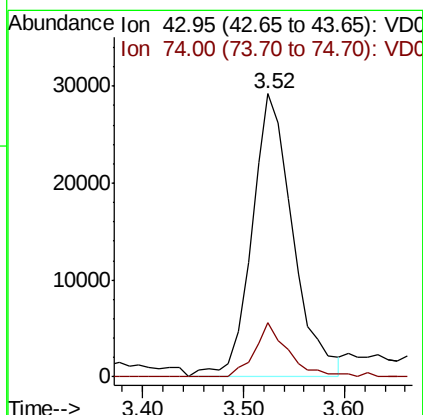
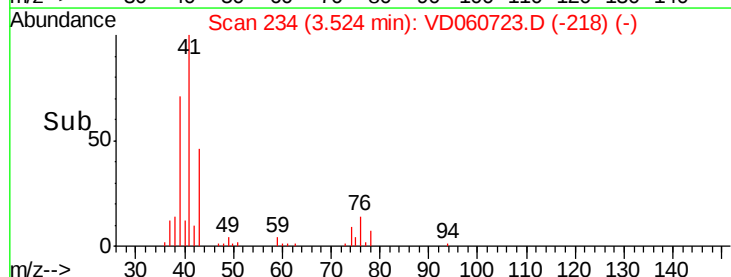
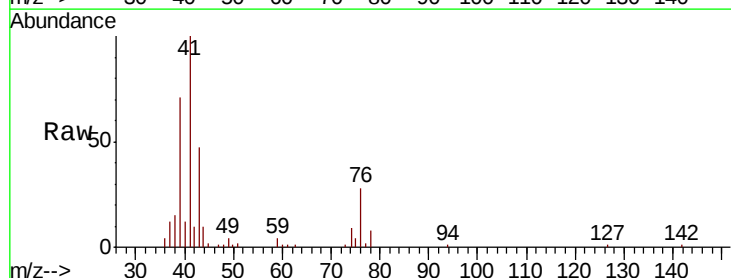
Acq: 27 Dec 2018 13:43

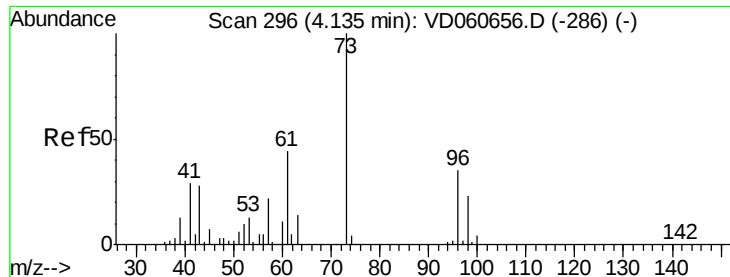
Tgt Ion: 43 Resp: 82844

Ion Ratio Lower Upper

43 100

74 19.1 12.4 18.6#





#19

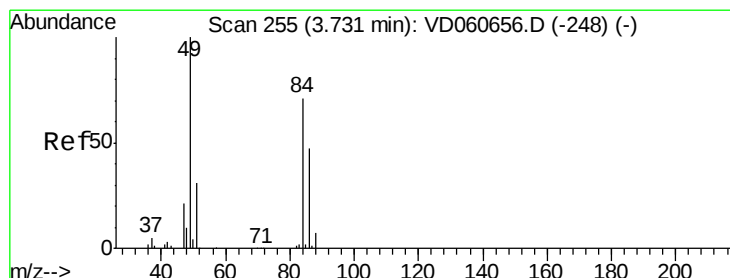
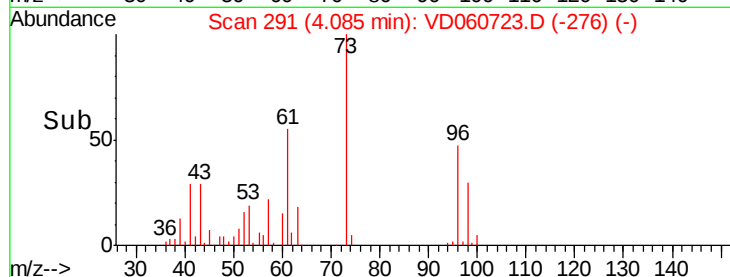
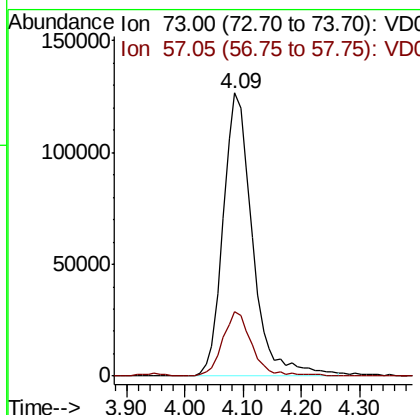
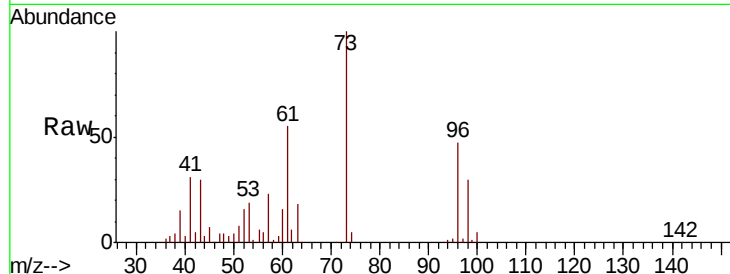
Methyl tert-butyl Ether  
 Concen: 20.377 ug/l  
 RT: 4.09 min Scan# 291  
 Delta R.T. -0.05 min  
 Lab File: VD060723.D  
 Acq: 27 Dec 2018 13:43

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VD1227SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 22.9  | 17.6  | 26.4  |

Manual Integrations  
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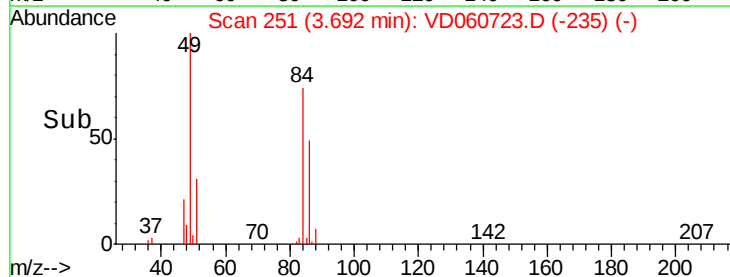
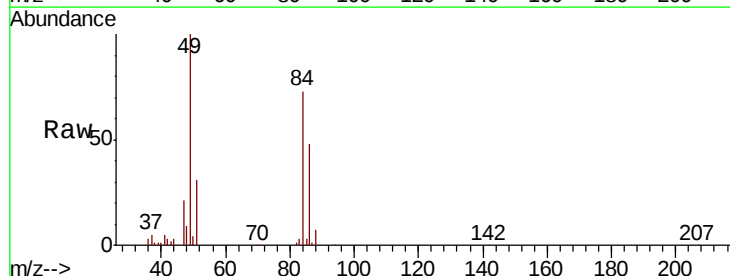
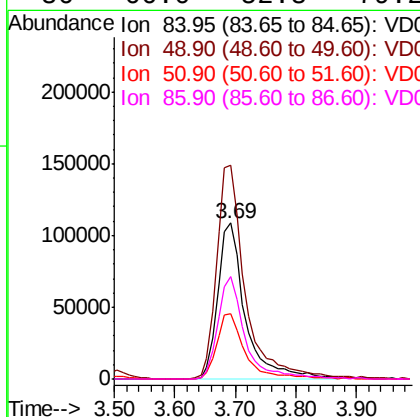
apatel  
 12/28/2018 9:47:08 AM

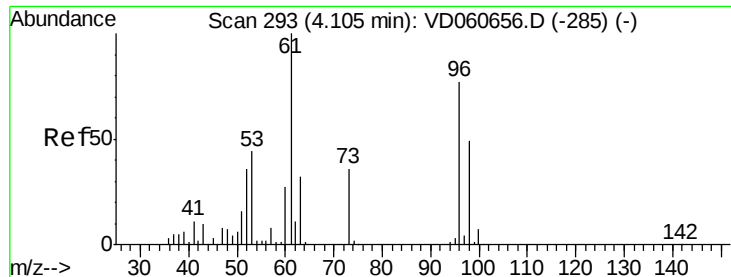


#20

Methylene Chloride  
 Concen: 17.643 ug/l  
 RT: 3.69 min Scan# 251  
 Delta R.T. -0.04 min  
 Lab File: VD060723.D  
 Acq: 27 Dec 2018 13:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 137.3 | 113.6 | 170.4 |
| 51      | 42.4  | 34.7  | 52.1  |
| 86      | 66.0  | 52.8  | 79.2  |





#21

trans-1,2-Dichloroethene

Concen: 18.760 ug/l

RT: 4.07 min Scan# 289

Delta R.T. -0.04 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

Instrument :

MSVOA\_D

ClientSampleId :

VD1227SBS01

Tot Ion: 96 Resp: 329289

Ion Ratio Lower Upper

96 100

61 125.8 104.2 156.2

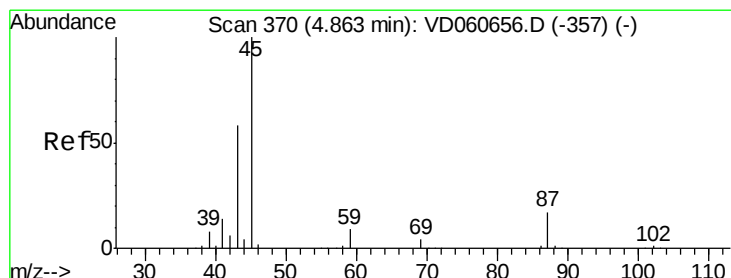
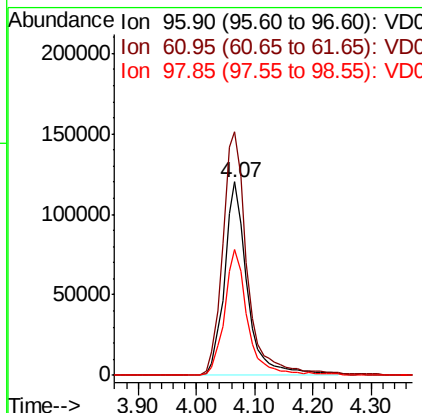
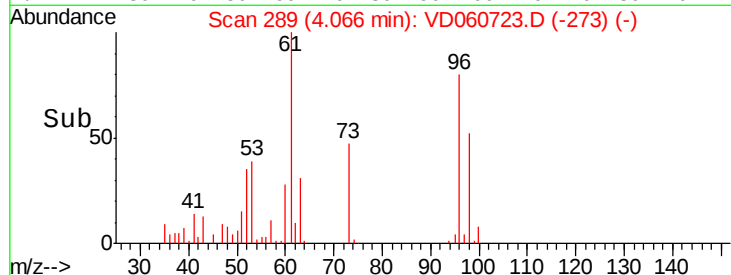
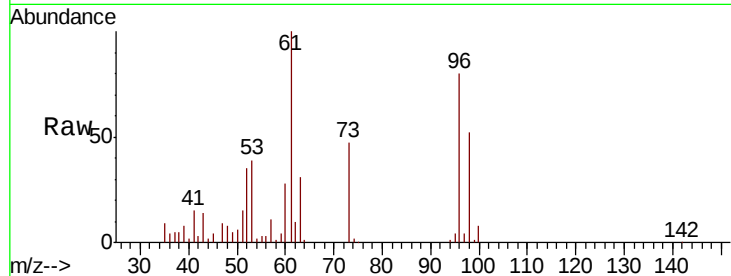
98 64.8 51.2 76.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 19.990 ug/l

RT: 4.81 min Scan# 365

Delta R.T. -0.05 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

Tgt Ion: 45 Resp: 1067380

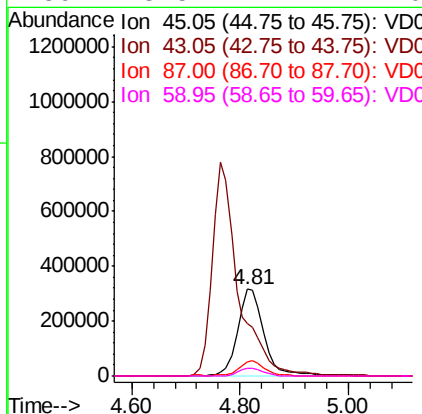
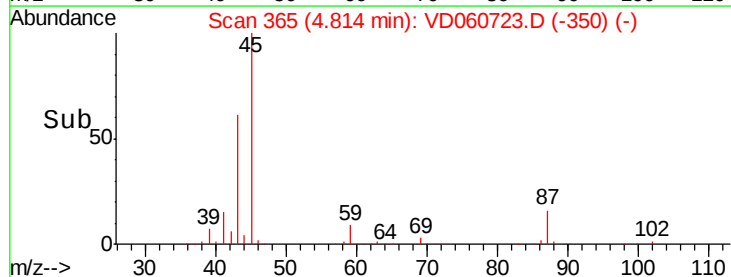
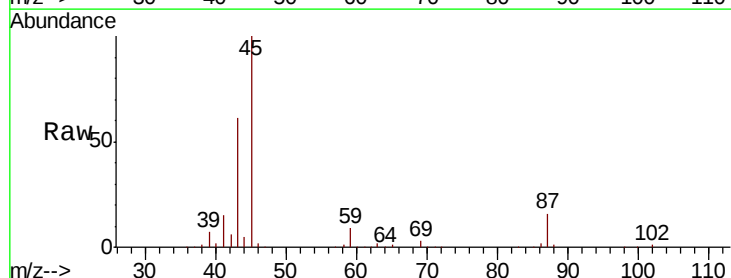
Ion Ratio Lower Upper

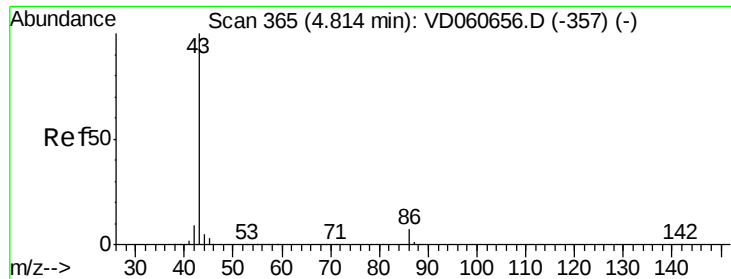
45 100

43 61.2 46.1 69.1

87 16.4 13.7 20.5

59 8.5 7.4 11.0





#23

Vinyl Acetate

Concen: 100.715 ug/l

RT: 4.76 min Scan# 360

Delta R.T. -0.05 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

Instrument :

MSVOA\_D

ClientSampleID :

VD1227SBS01

Tot Ion: 43 Resp: 2601807

Ion Ratio Lower Upper

43 100

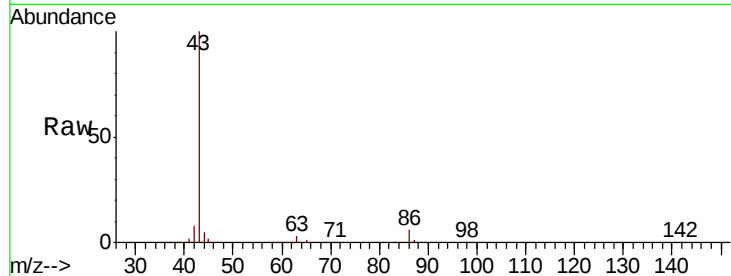
86 6.4 5.6 8.4

Manual Integrations

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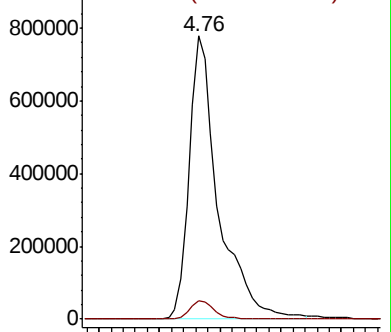
apatel

12/28/2018 9:47:08 AM

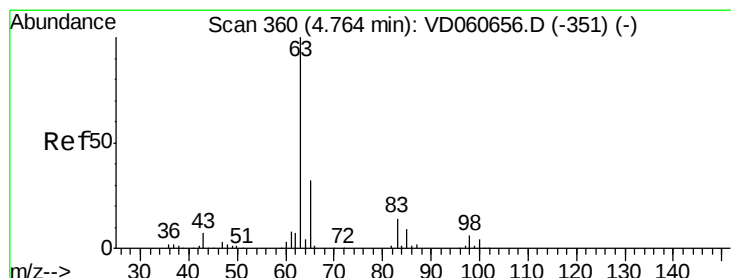
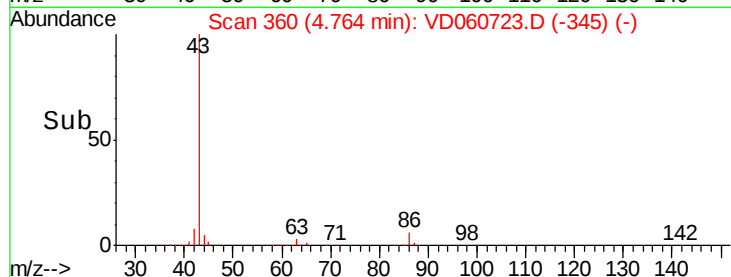


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time-->



#24

1,1-Dichloroethane

Concen: 19.636 ug/l

RT: 4.72 min Scan# 355

Delta R.T. -0.05 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

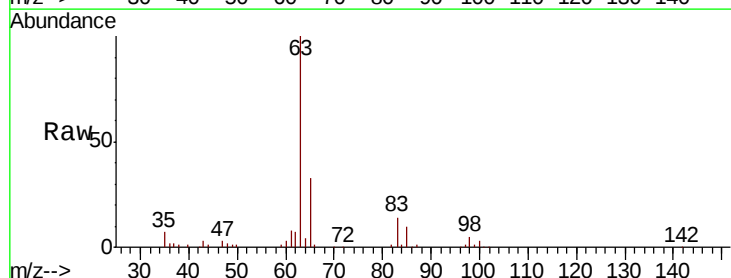
Tgt Ion: 63 Resp: 551512

Ion Ratio Lower Upper

63 100

98 5.5 2.9 8.7

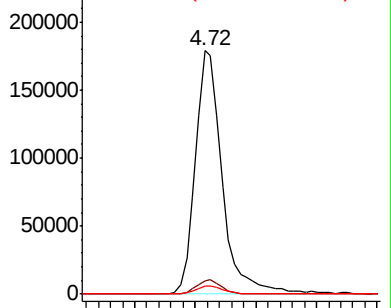
100 3.5 2.0 5.8



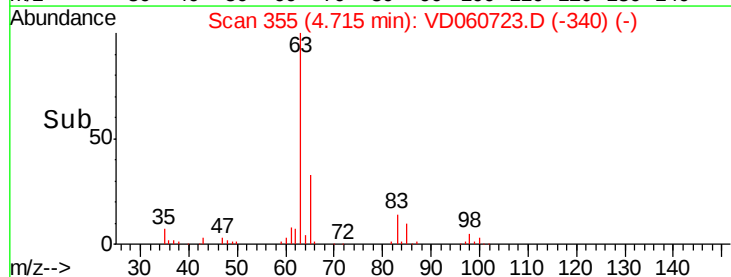
Abundance Ion 62.95 (62.65 to 63.65): VDC

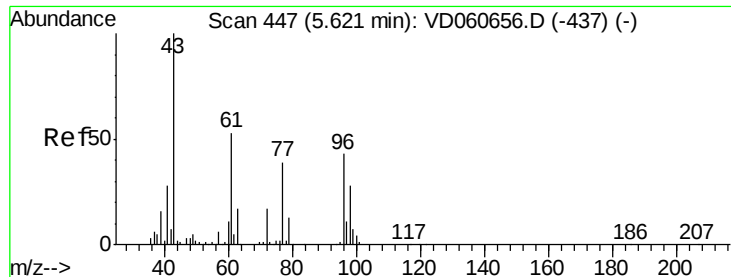
Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC



Time-->





#25

2-Butanone

Concen: 100.797 ug/l

RT: 5.58 min Scan# 443

Delta R.T. -0.04 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

Instrument :

MSVOA\_D

ClientSampleId :

VD1227SBS01

Tot Ion: 43 Resp: 360470

Ion Ratio Lower Upper

43 100

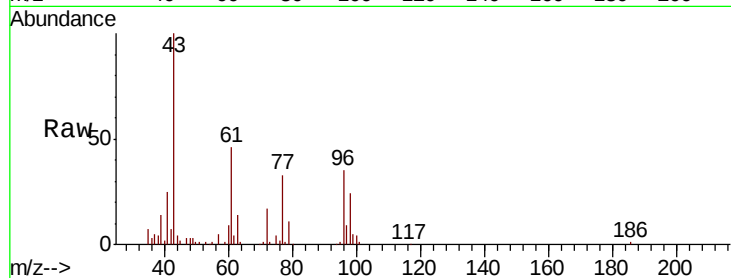
72 17.1 13.7 20.5

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

150000

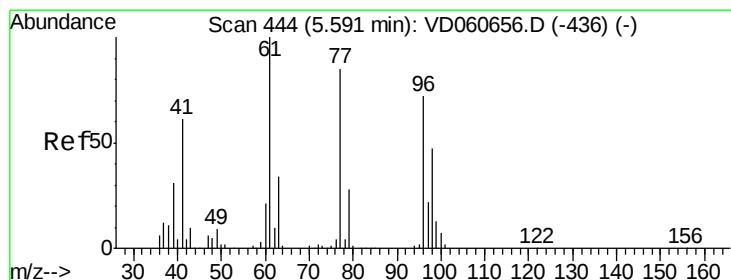
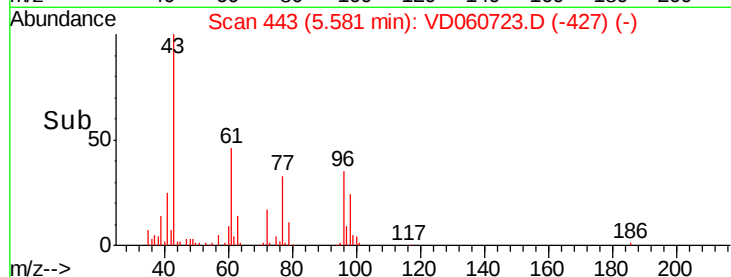
100000

50000

0

5.40 5.50 5.60 5.70 5.80

Time-->



#26

2,2-Dichloropropane

Concen: 19.449 ug/l

RT: 5.55 min Scan# 440

Delta R.T. -0.04 min

Lab File: VD060723.D

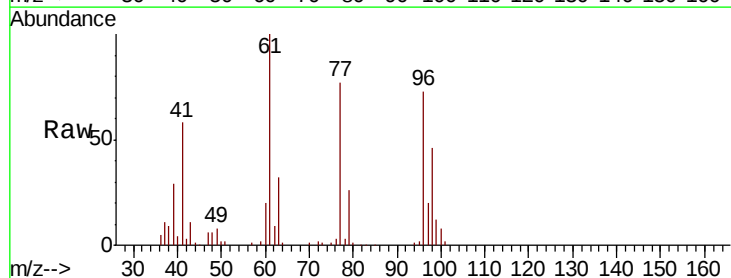
Acq: 27 Dec 2018 13:43

Tgt Ion: 77 Resp: 431197

Ion Ratio Lower Upper

77 100

97 26.2 13.0 39.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

150000

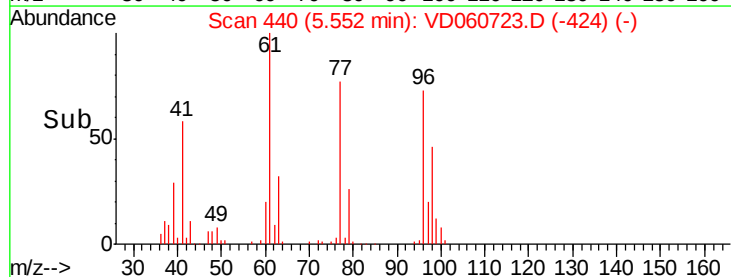
100000

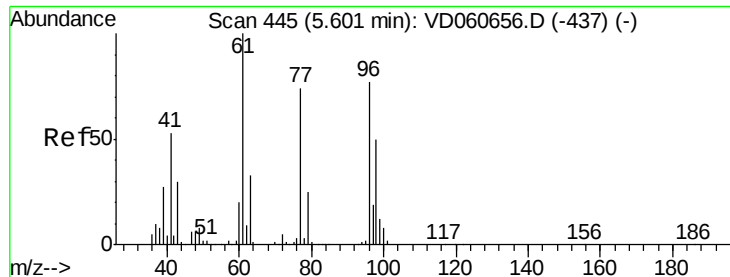
50000

0

5.40 5.50 5.60 5.70 5.80

Time-->





#27

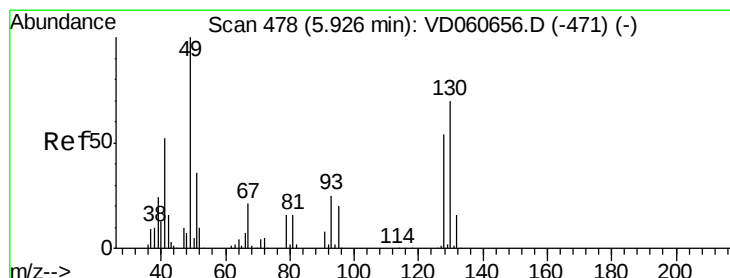
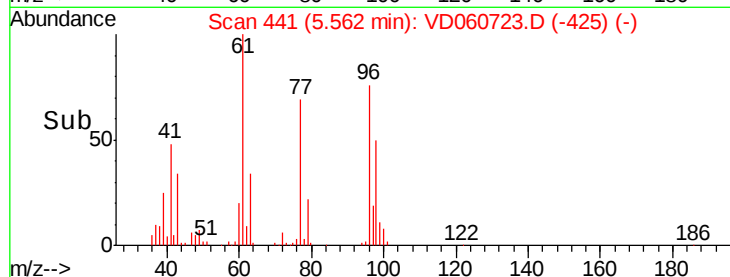
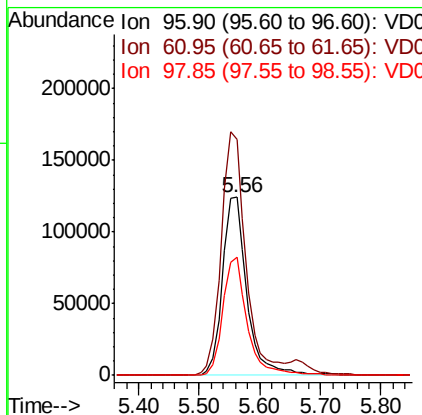
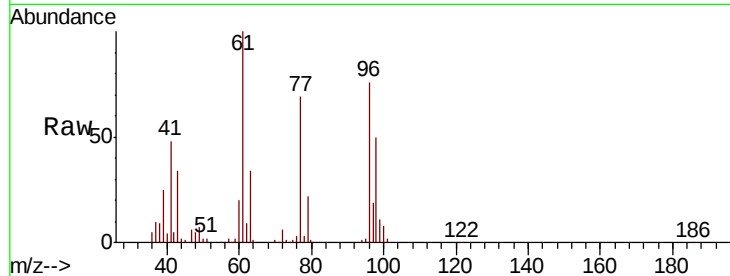
cis-1,2-Dichloroethene  
Concen: 19.646 ug/l  
RT: 5.56 min Scan# 441  
Delta R.T. -0.04 min  
Lab File: VD060723.D  
Acq: 27 Dec 2018 13:43

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1227SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 350051 |       |       |
| 61      | 132.3 | 0.0    | 259.4 |       |
| 98      | 66.5  | 0.0    | 130.0 |       |

Manual Integrations  
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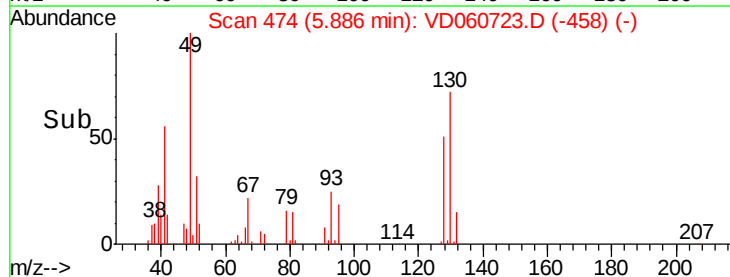
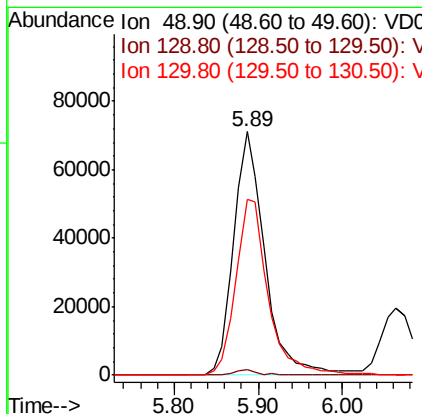
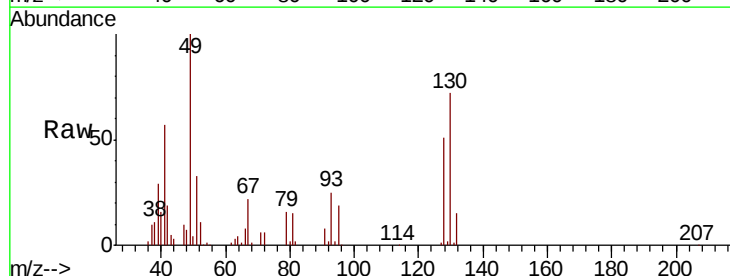
apatel  
12/28/2018 9:47:08 AM

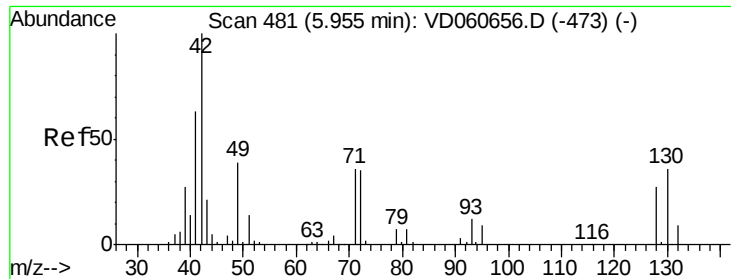


#28

Bromochloromethane  
Concen: 15.385 ug/l  
RT: 5.89 min Scan# 474  
Delta R.T. -0.04 min  
Lab File: VD060723.D  
Acq: 27 Dec 2018 13:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 182548 |       |       |
| 129     | 2.2   | 0.0    | 3.4   |       |
| 130     | 72.1  | 56.2   | 84.2  |       |





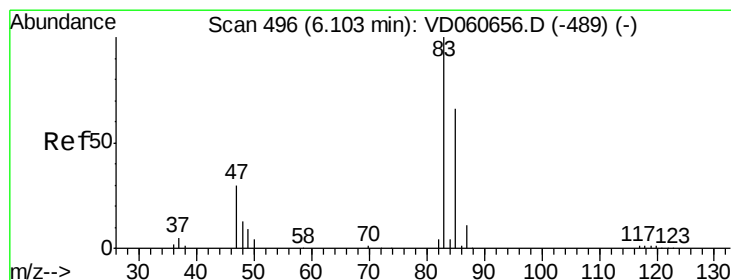
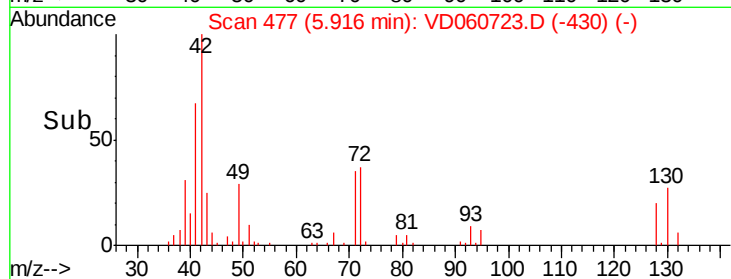
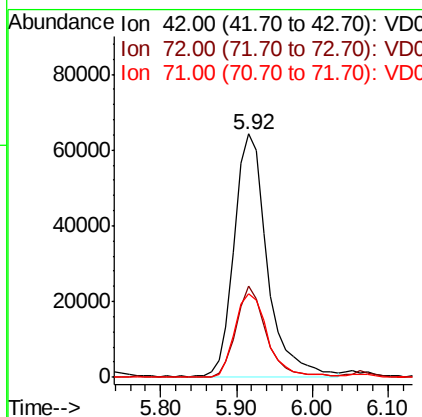
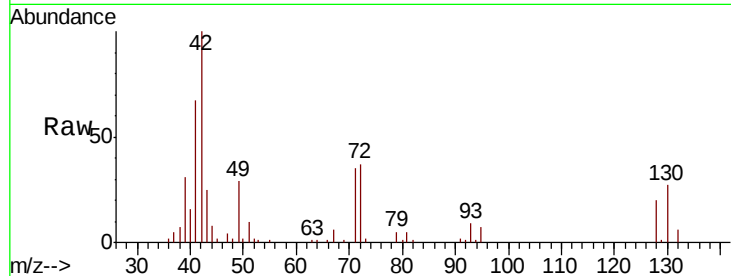
#29  
Tetrahydrofuran  
Concen: 96.660 ug/l  
RT: 5.92 min Scan# 477  
Delta R.T. -0.04 min  
Lab File: VD060723.D  
Acq: 27 Dec 2018 13:43

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1227SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 33.7  | 28.0  | 42.0  |
| 71      | 34.2  | 27.0  | 40.6  |

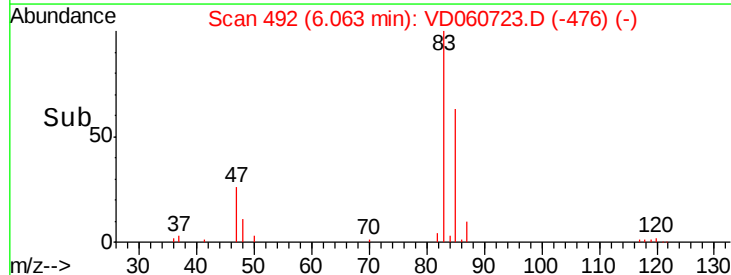
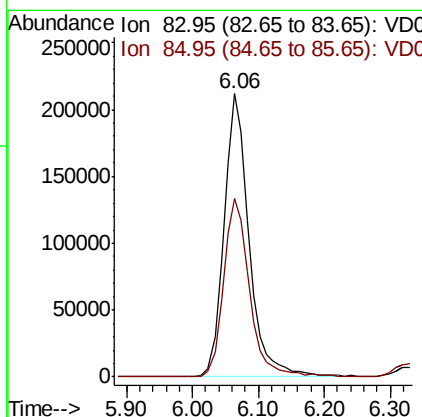
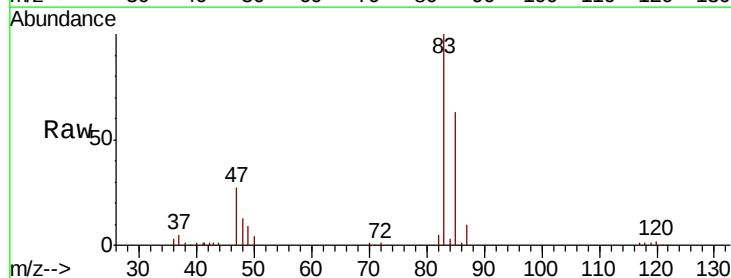
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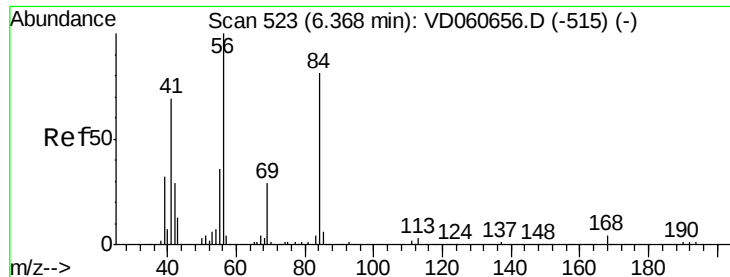
apatel  
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#30  
Chloroform  
Concen: 19.846 ug/l  
RT: 6.06 min Scan# 492  
Delta R.T. -0.04 min  
Lab File: VD060723.D  
Acq: 27 Dec 2018 13:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 62.8  | 53.0  | 79.6  |





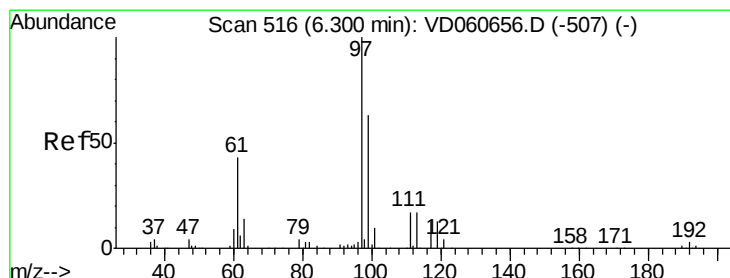
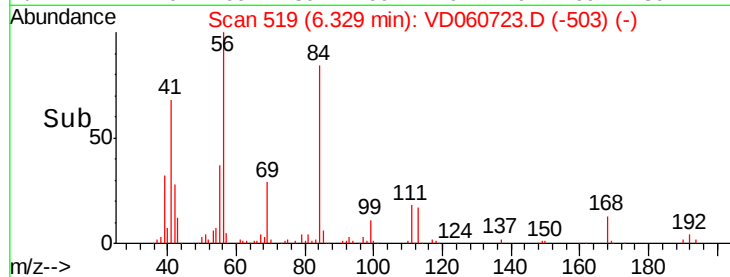
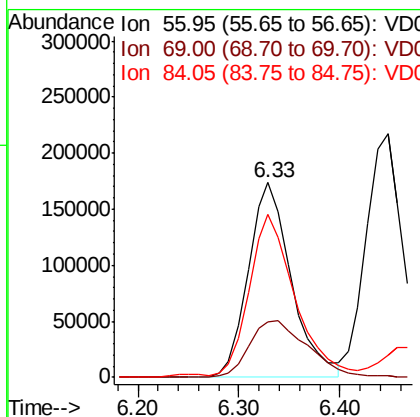
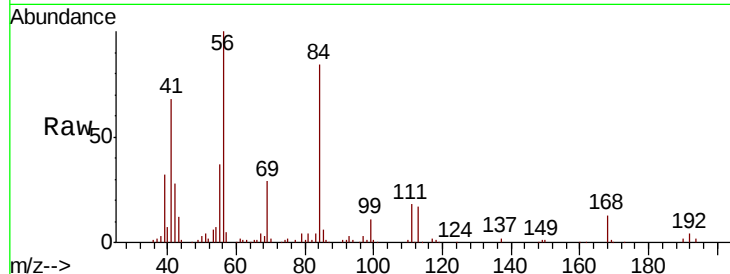
#31  
Cyclohexane  
Concen: 19.082 ug/l  
RT: 6.33 min Scan# 519  
Delta R.T. -0.04 min  
Lab File: VD060723.D  
Acq: 27 Dec 2018 13:43

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1227SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 28.7  | 23.6  | 35.4  |
| 84      | 83.8  | 65.8  | 98.6  |

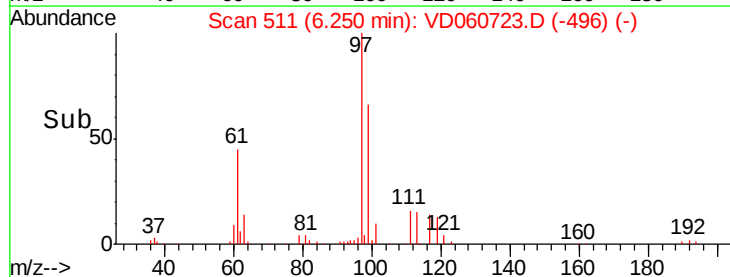
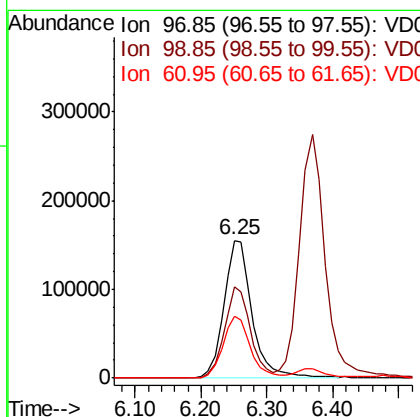
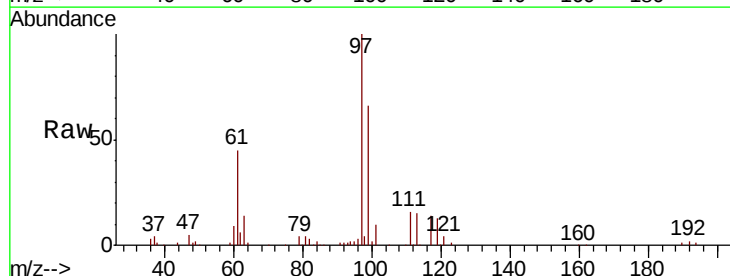
Manual Integrations  
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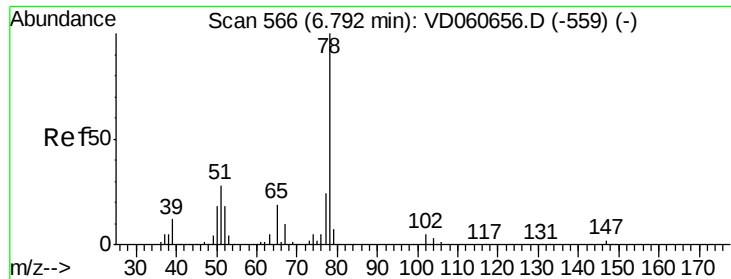
apatel  
12/28/2018 9:47:08 AM



#32  
1,1,1-Trichloroethane  
Concen: 19.677 ug/l  
RT: 6.25 min Scan# 511  
Delta R.T. -0.05 min  
Lab File: VD060723.D  
Acq: 27 Dec 2018 13:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 66.3  | 50.5  | 75.7  |
| 61      | 45.4  | 34.6  | 51.8  |





#33

1,2-Dichloroethane-d4

Concen: 19.677 ug/l

RT: 6.74 min Scan# 561

Delta R.T. -0.05 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

Instrument :

MSVOA\_D

ClientSampleId :

VD1227SBSD01

Tot Ion: 65 Resp: 526814

Ion Ratio Lower Upper

65 100

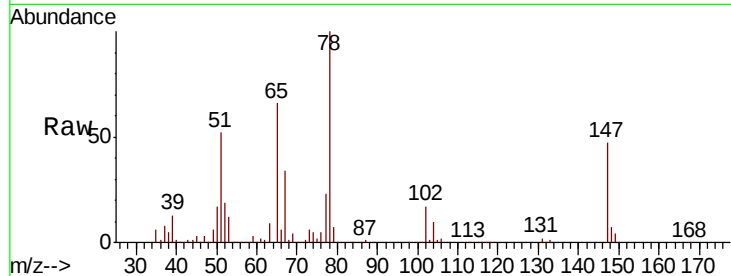
67 51.4 0.0 105.4

Manual Integrations

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.74

200000

150000

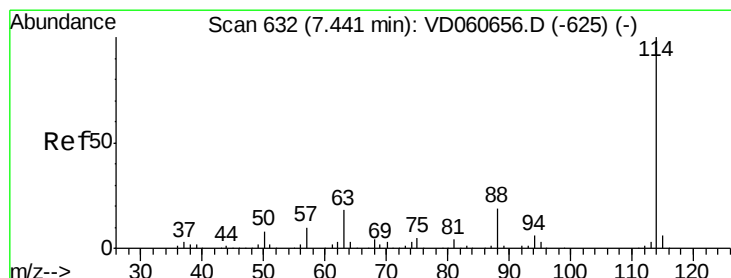
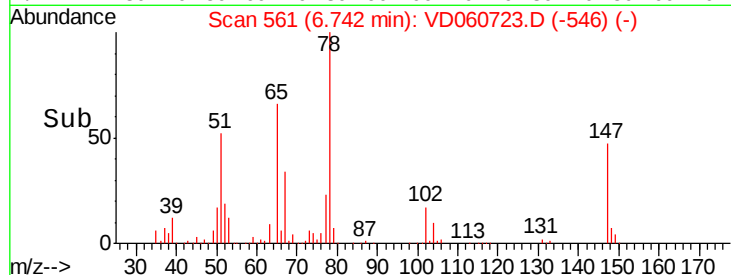
100000

50000

0

6.70 6.80

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.40 min Scan# 628

Delta R.T. -0.04 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

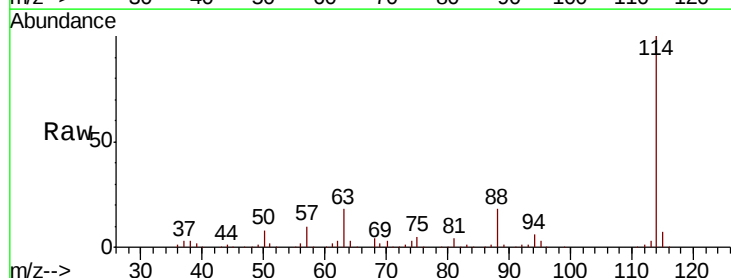
Tgt Ion:114 Resp: 2084363

Ion Ratio Lower Upper

114 100

63 17.7 0.0 36.2

88 18.4 0.0 37.0



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

7.40

1000000

800000

600000

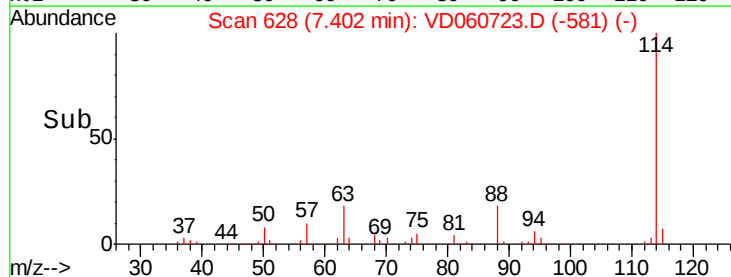
400000

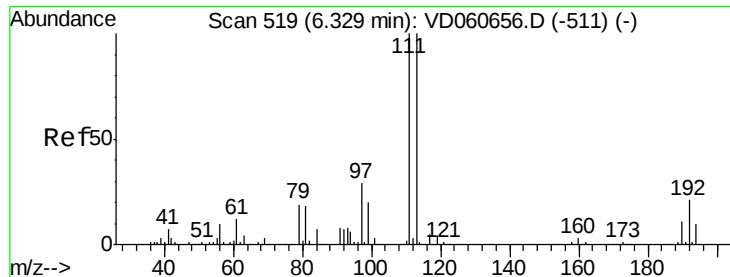
200000

0

7.20 7.40 7.60 7.80

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.29 min Scan# 515

Delta R.T. -0.04 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

Instrument :

MSVOA\_D

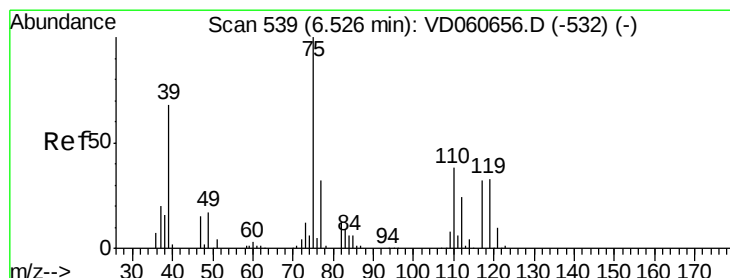
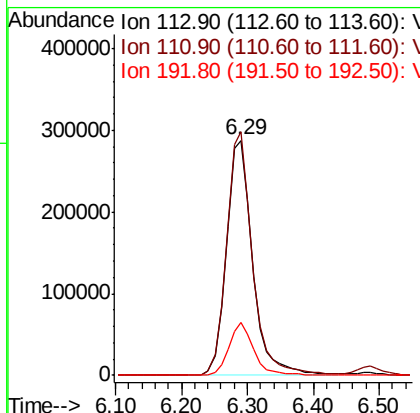
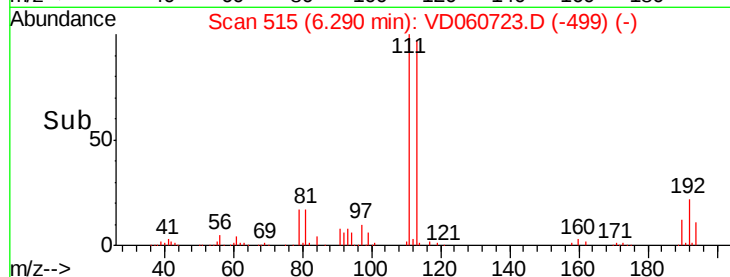
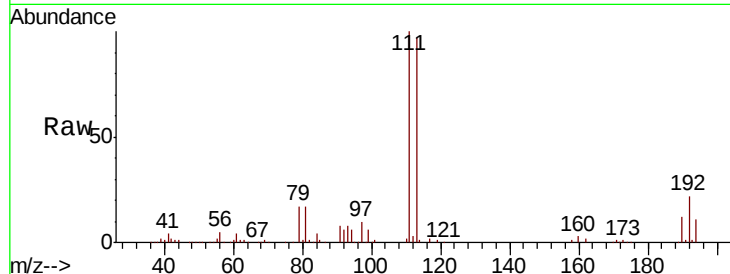
ClientSampleId :

VD1227SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 801012 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 103.5 | 80.0  | 120.0  |
| 192       | 22.5  | 16.6  | 25.0   |

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#36

1,1-Dichloropropene

Concen: 19.904 ug/l

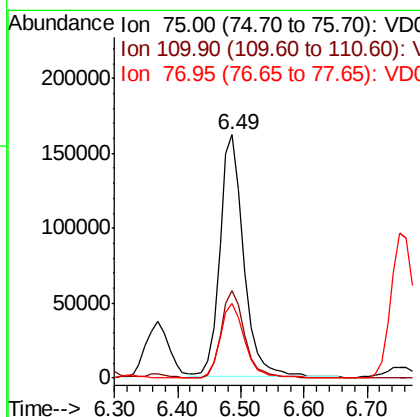
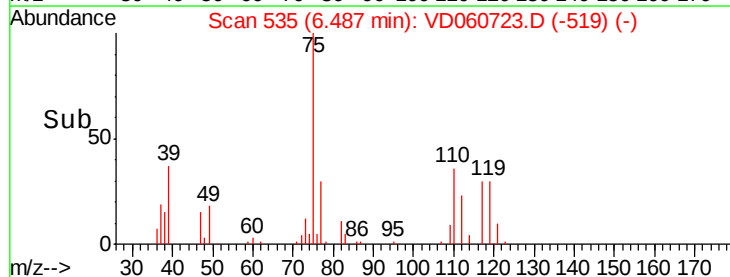
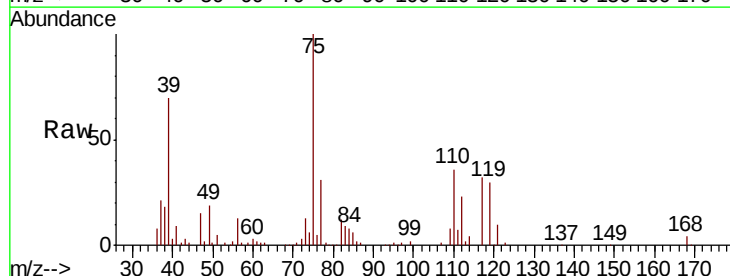
RT: 6.49 min Scan# 535

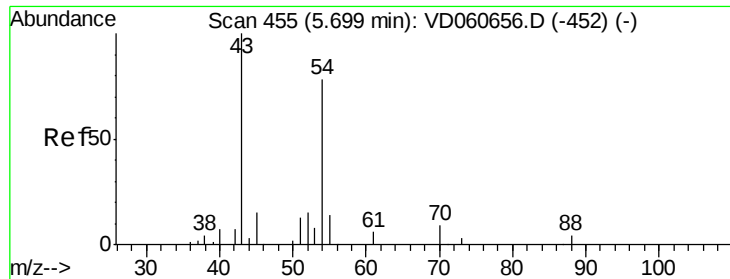
Delta R.T. -0.04 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 427208 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 110       | 36.1  | 18.9  | 56.7   |
| 77        | 30.7  | 25.4  | 38.0   |





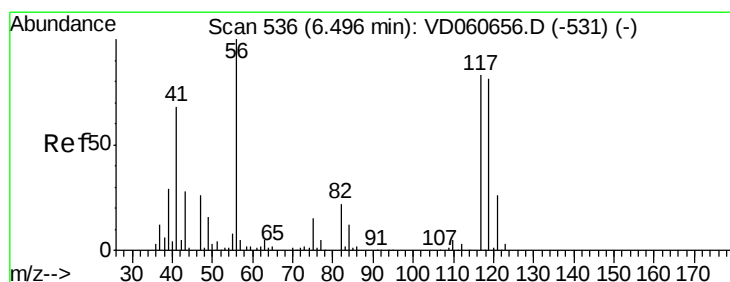
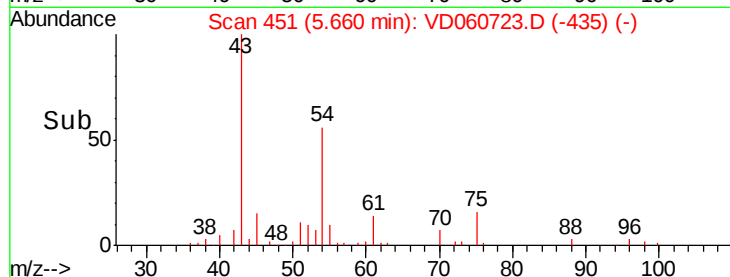
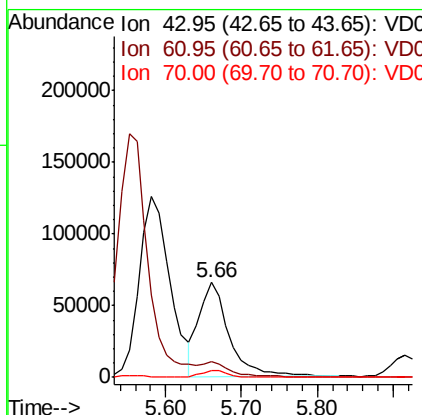
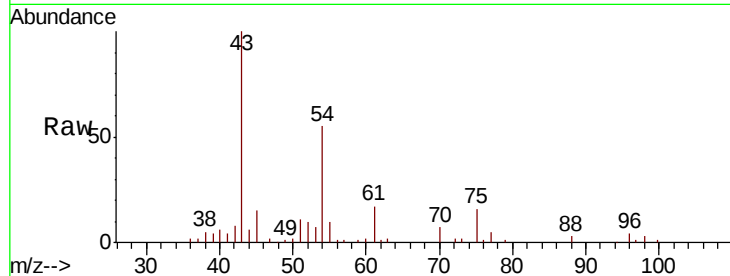
#37  
Ethyl Acetate  
Concen: 20.078 ug/l  
RT: 5.66 min Scan# 451  
Delta R.T. -0.04 min  
Lab File: VD060723.D  
Acq: 27 Dec 2018 13:43

Instrument :  
MSVOA\_D  
ClientSampleID :  
VD1227SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 16.6  | 11.8  | 17.6  |
| 70      | 7.4   | 5.8   | 8.6   |

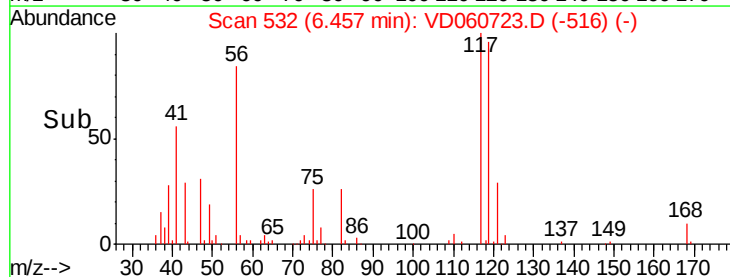
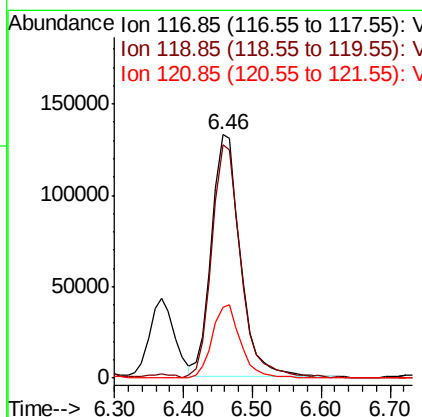
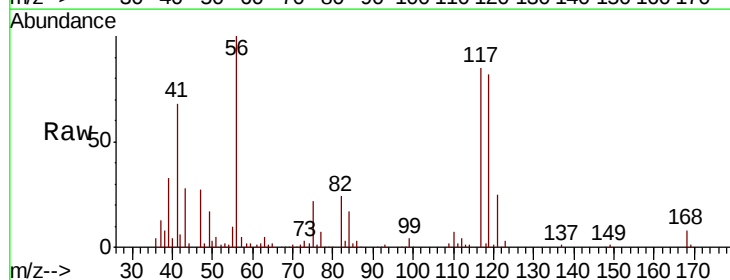
Manual Integrations  
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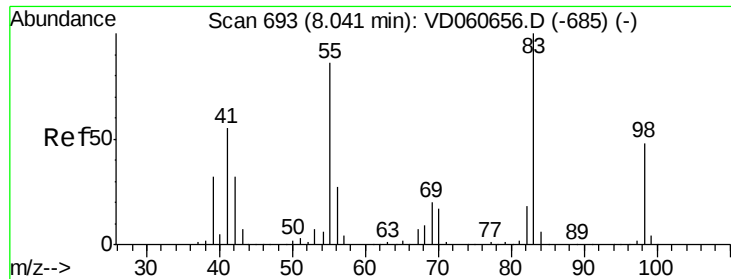
apatel  
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#38  
Carbon Tetrachloride  
Concen: 20.395 ug/l  
RT: 6.46 min Scan# 532  
Delta R.T. -0.04 min  
Lab File: VD060723.D  
Acq: 27 Dec 2018 13:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 95.8  | 77.0  | 115.4 |
| 121     | 28.8  | 24.7  | 37.1  |





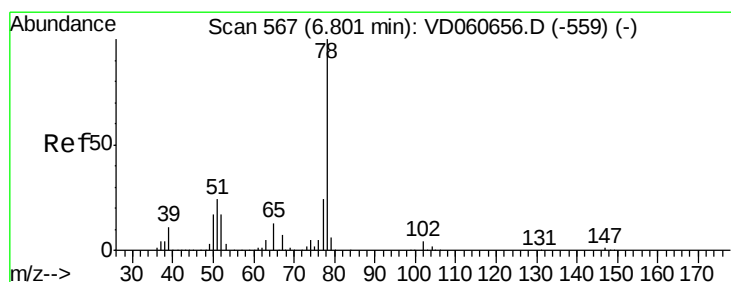
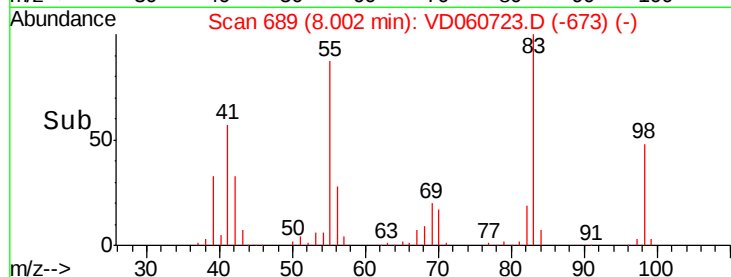
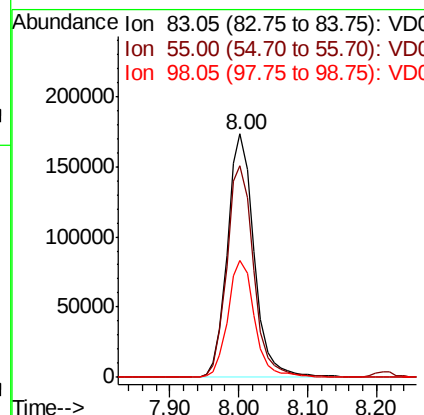
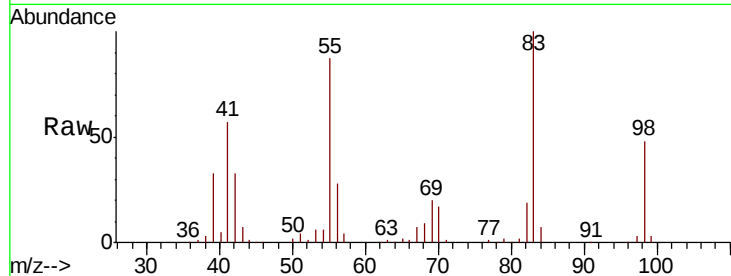
#39  
Methvlcvclohexane  
Concen: 19.000 ug/l  
RT: 8.00 min Scan# 689  
Delta R.T. -0.04 min  
Lab File: VD060723.D  
Acq: 27 Dec 2018 13:43

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1227SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 86.7  | 68.6  | 102.8 |
| 98      | 48.1  | 38.1  | 57.1  |

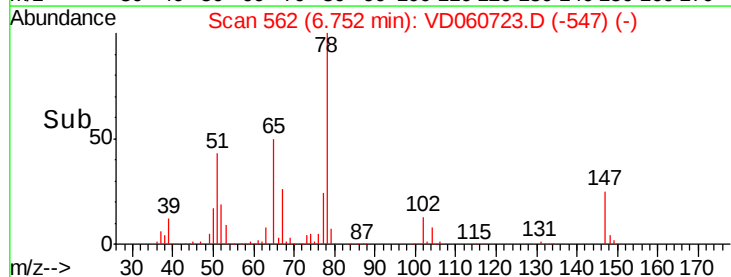
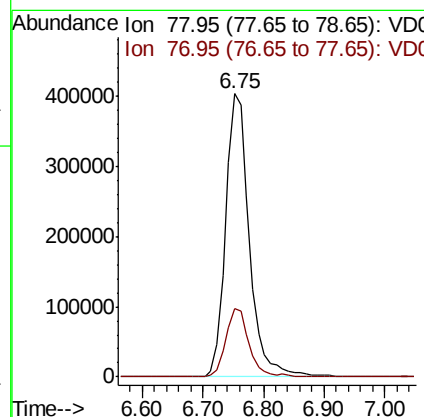
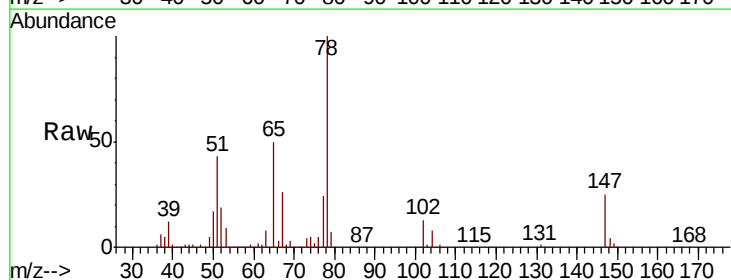
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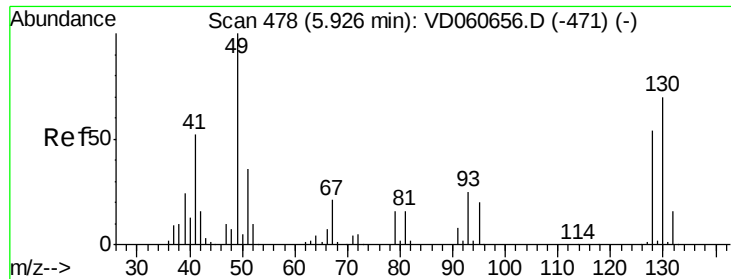
apatel  
12/28/2018 9:47:08 AM



#40  
Benzene  
Concen: 19.781 ug/l  
RT: 6.75 min Scan# 562  
Delta R.T. -0.05 min  
Lab File: VD060723.D  
Acq: 27 Dec 2018 13:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.9  | 19.2  | 28.8  |





#41

Methacrylonitrile

Concen: 20.146 ug/l m

RT: 5.90 min Scan# 475

Delta R.T. -0.03 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

Instrument :

MSVOA\_D

ClientSampleId :

VD1227SBS01

Tot Ion: 41 Resp: 100031  
Ion Ratio Lower Upper

41 100

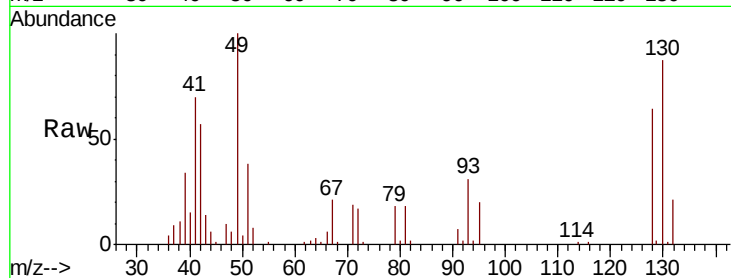
39 48.6 37.6 56.4

67 30.0 33.0 49.6#

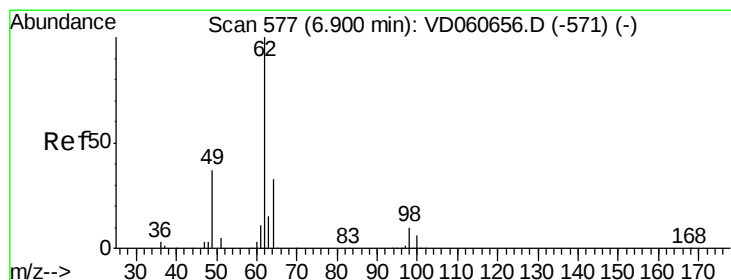
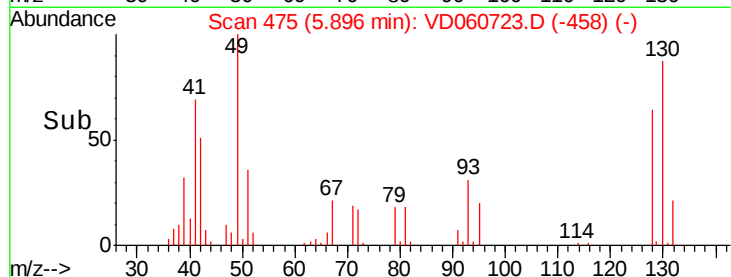
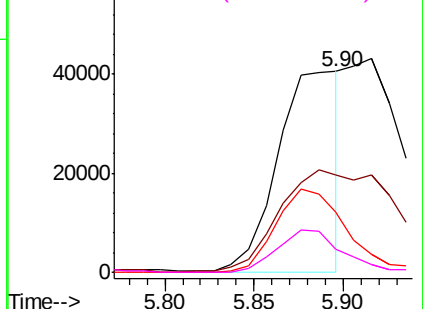
52 11.7 15.5 23.3#

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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: 19.711 ug/l

RT: 6.86 min Scan# 573

Delta R.T. -0.04 min

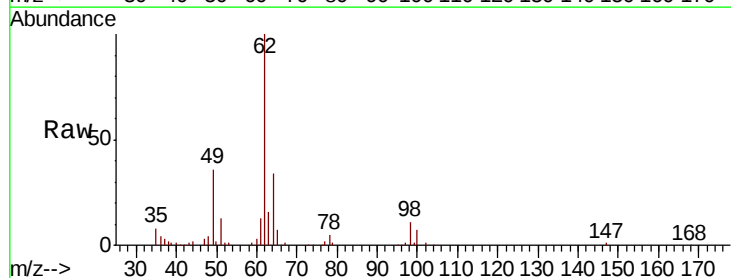
Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

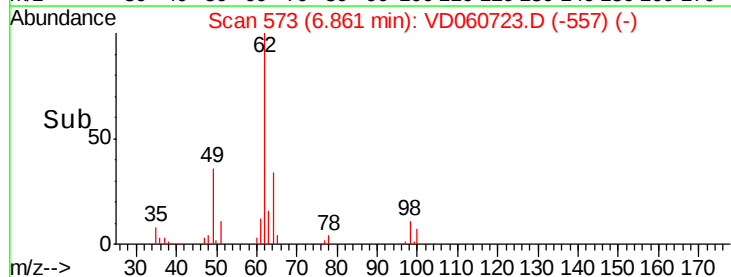
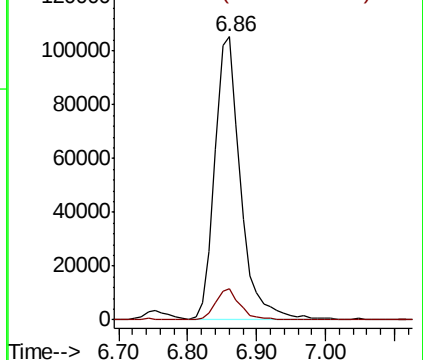
Tgt Ion: 62 Resp: 271193  
Ion Ratio Lower Upper

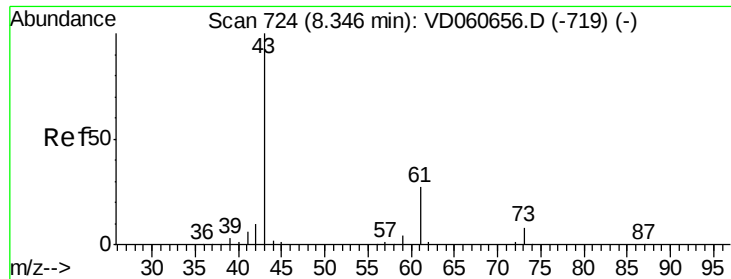
62 100

98 11.0 0.0 20.4



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





#43

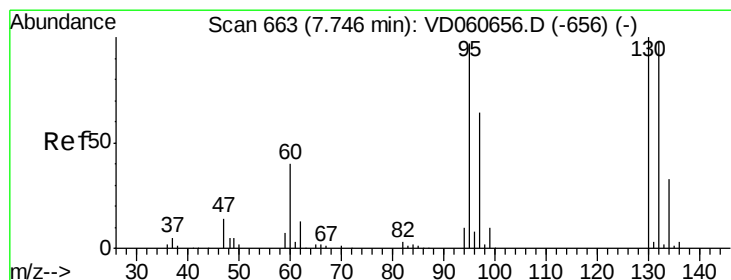
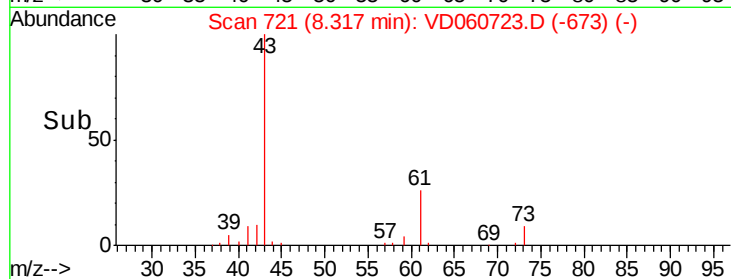
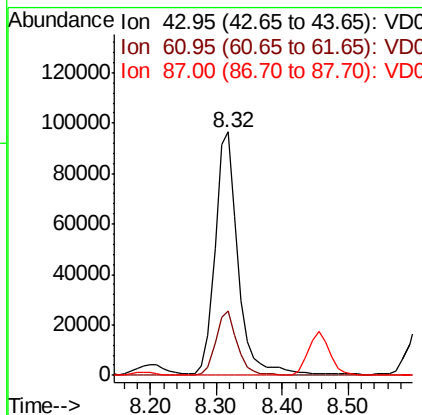
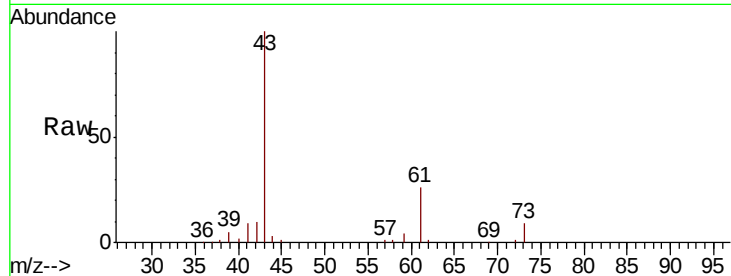
Isopropyl Acetate  
 Concen: 19.992 ug/l  
 RT: 8.32 min Scan# 721  
 Delta R.T. -0.03 min  
 Lab File: VD060723.D  
 Acq: 27 Dec 2018 13:43

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1227SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 26.5  | 21.8  | 32.8  |
| 87      | 0.0   | 0.2   | 0.4   |

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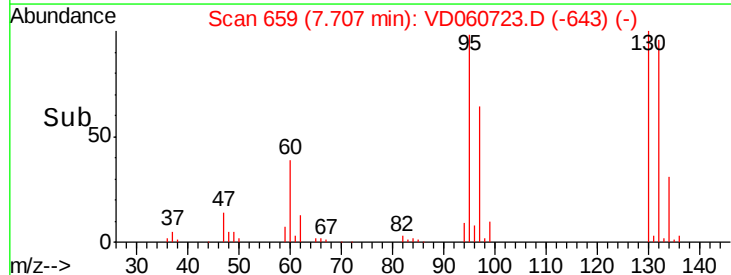
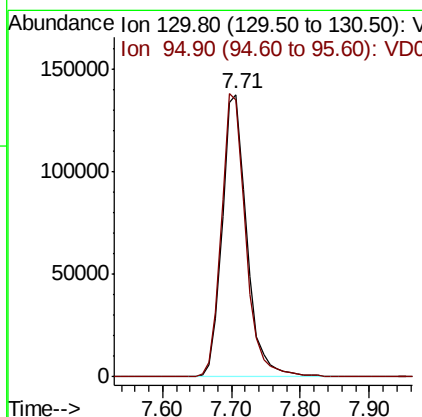
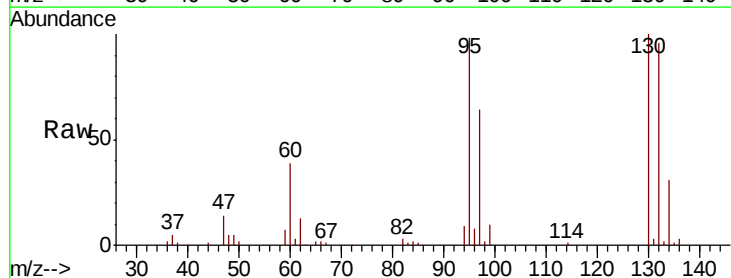
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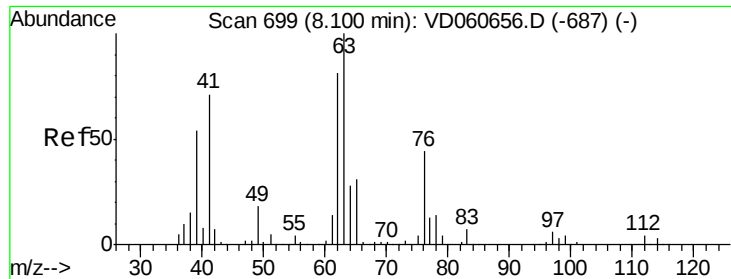


#44

Trichloroethene  
 Concen: 20.775 ug/l  
 RT: 7.71 min Scan# 659  
 Delta R.T. -0.04 min  
 Lab File: VD060723.D  
 Acq: 27 Dec 2018 13:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 98.1  | 0.0   | 193.6 |





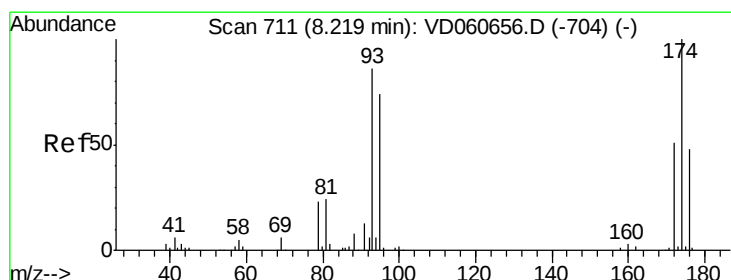
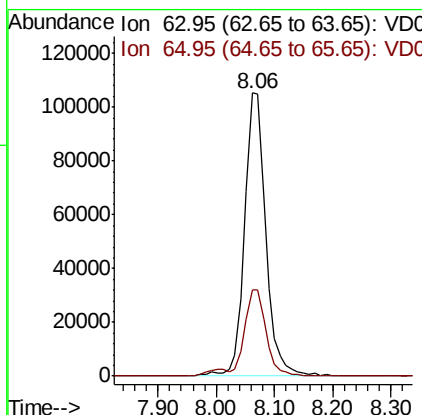
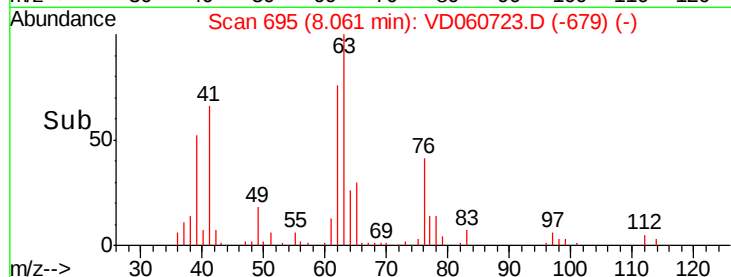
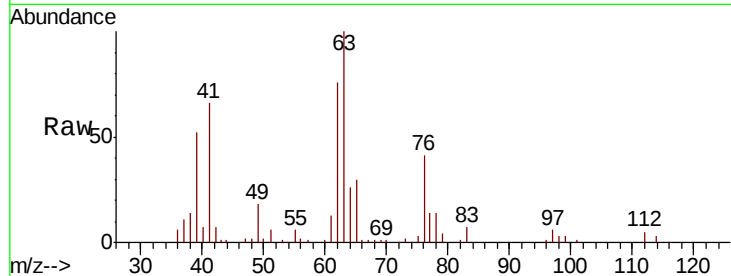
#45  
 1,2-Dichloropropane  
 Concen: 19.718 ug/l  
 RT: 8.06 min Scan# 695  
 Delta R.T. -0.04 min  
 Lab File: VD060723.D  
 Acq: 27 Dec 2018 13:43

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1227SBS01

Tot Ion: 63 Resp: 268086  
 Ion Ratio Lower Upper  
 63 100  
 65 30.5 25.0 37.6

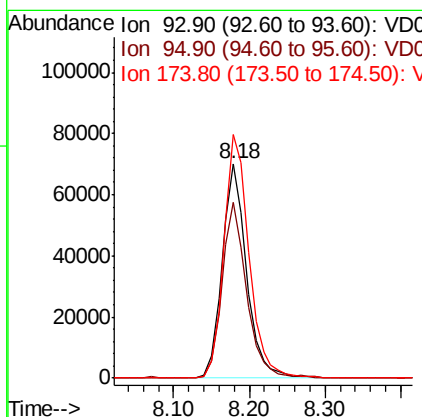
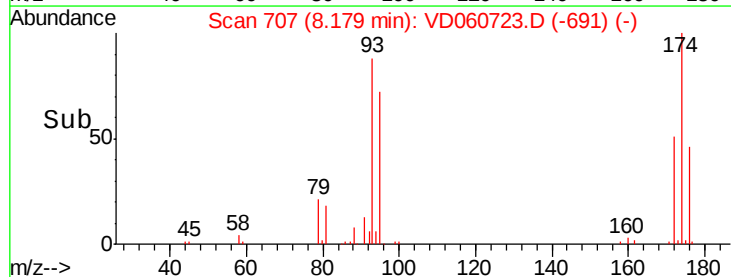
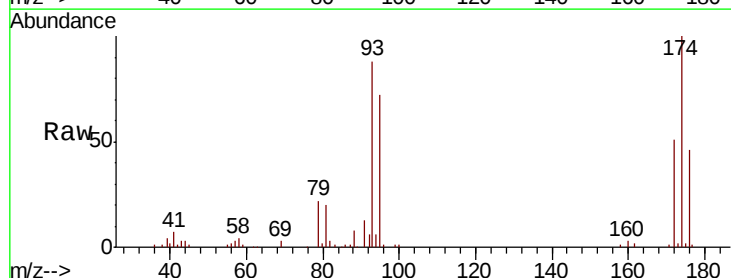
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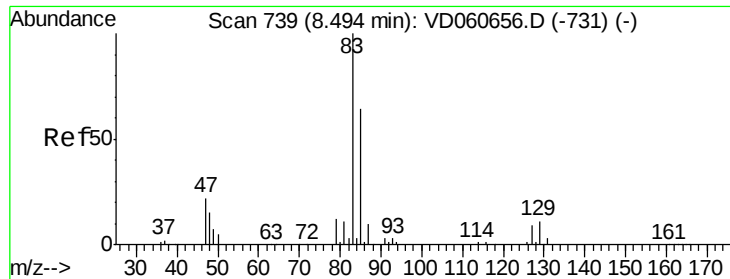
apatel  
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#46  
 Dibromomethane  
 Concen: 20.089 ug/l  
 RT: 8.18 min Scan# 707  
 Delta R.T. -0.04 min  
 Lab File: VD060723.D  
 Acq: 27 Dec 2018 13:43

Tgt Ion: 93 Resp: 155885  
 Ion Ratio Lower Upper  
 93 100  
 95 82.1 68.8 103.2  
 174 113.6 93.0 139.4





#47

Bromodichloromethane

Concen: 20.448 ug/l

RT: 8.45 min Scan# 735

Delta R.T. -0.04 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

Instrument :

MSVOA\_D

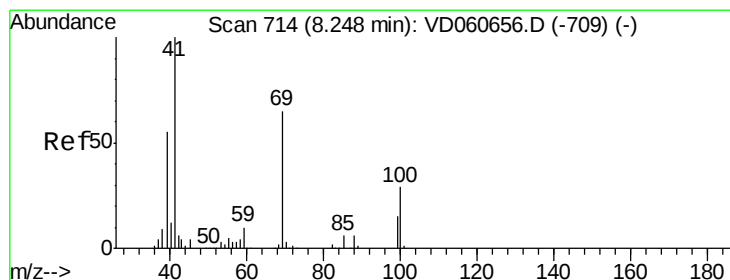
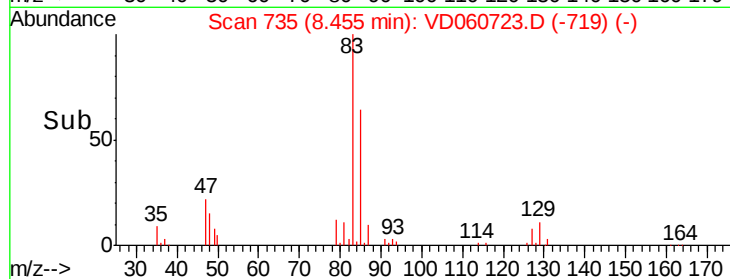
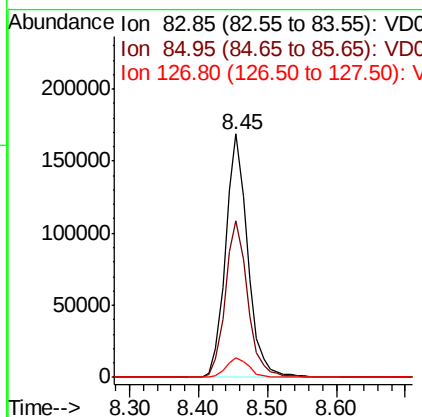
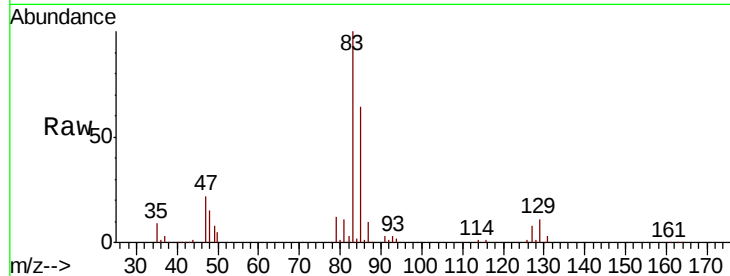
ClientSampleId :

VD1227SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 375825 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 64.2  | 51.1  | 76.7   |
| 127       | 8.0   | 7.0   | 10.6   |

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#48

Methyl methacrylate

Concen: 19.717 ug/l

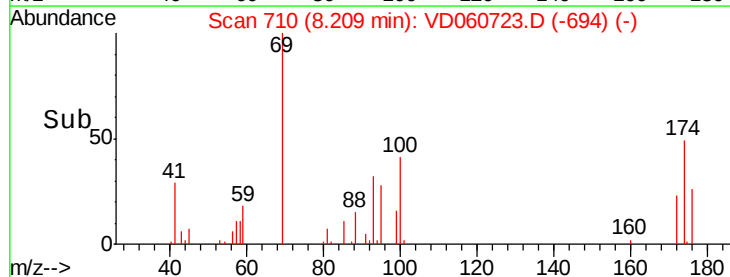
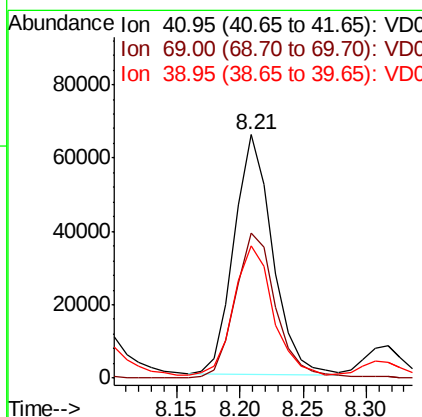
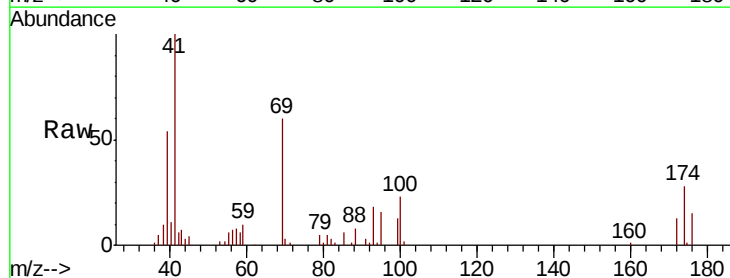
RT: 8.21 min Scan# 710

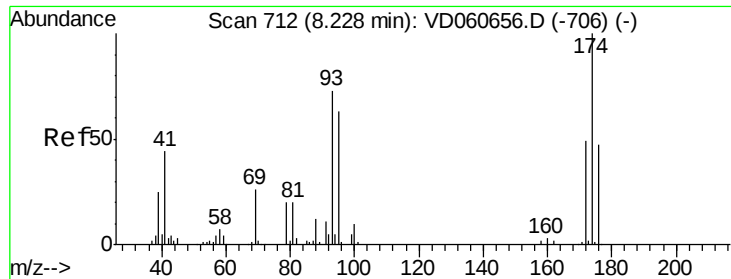
Delta R.T. -0.04 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 137951 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 59.5  | 51.2  | 76.8   |
| 39        | 54.4  | 44.6  | 67.0   |





#49

1,4-Dioxane

Concen: 394.083 ug/l

RT: 8.19 min Scan# 708

Delta R.T. -0.04 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

Instrument :

MSVOA\_D

ClientSampleId :

VD1227SBS01

Tot Ion: 88 Resp: 25636

Ion Ratio Lower Upper

88 100

43 51.4 31.5 47.3#

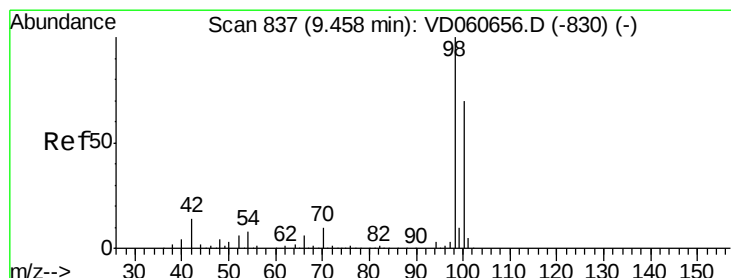
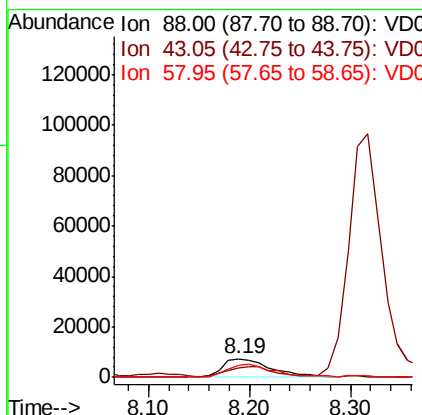
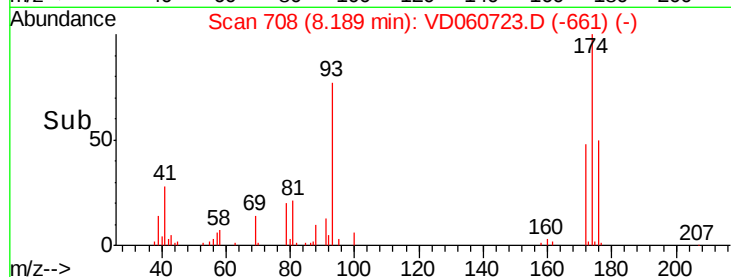
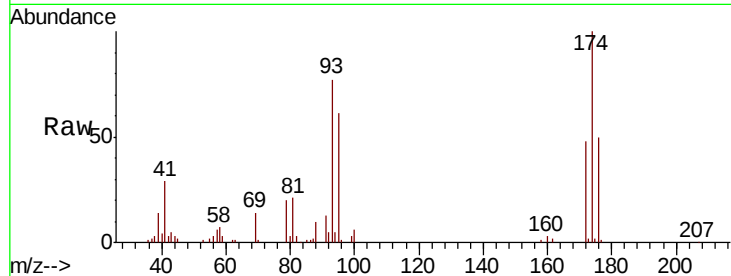
58 67.9 50.6 76.0

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#50

Toluene-d8

Concen: 394.083 ug/l

RT: 9.42 min Scan# 833

Delta R.T. -0.04 min

Lab File: VD060723.D

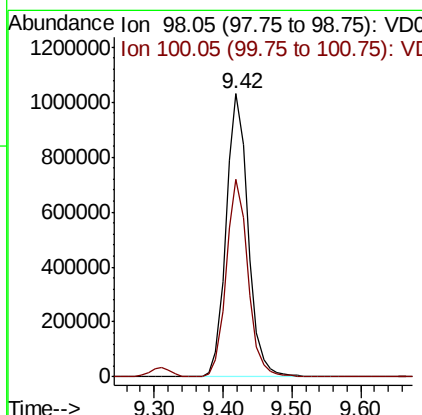
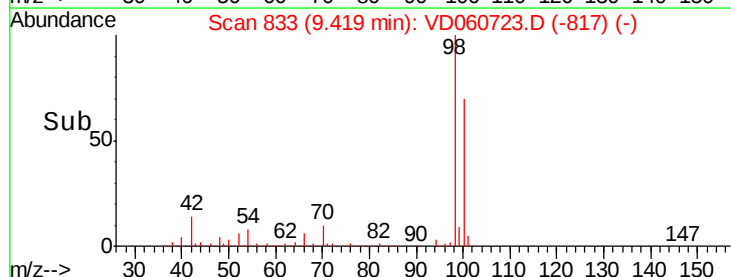
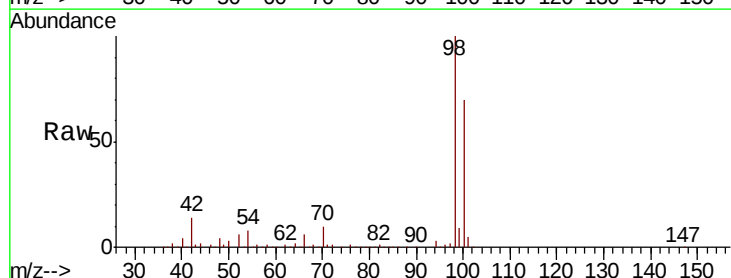
Acq: 27 Dec 2018 13:43

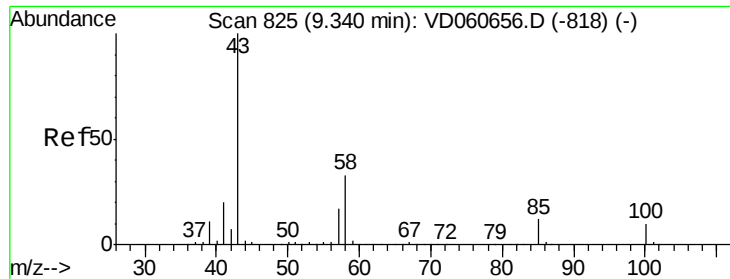
Tgt Ion: 98 Resp: 2272530

Ion Ratio Lower Upper

98 100

100 69.7 55.8 83.8





#51

4-Methyl-2-Pentanone

Concen: 102.046 ug/l

RT: 9.31 min Scan# 822

Delta R.T. -0.03 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

Instrument :

MSVOA\_D

ClientSampleId :

VD1227SBS01

Tot Ion: 43 Resp: 720196

Ion Ratio Lower Upper

43 100

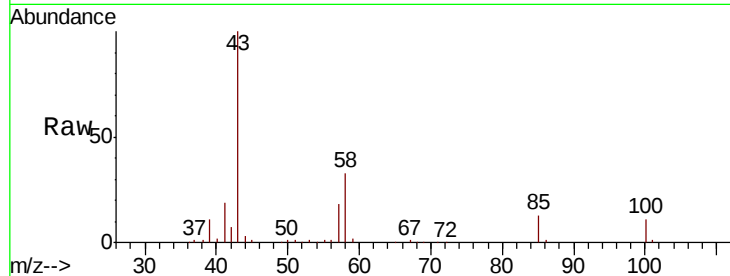
58 32.7 26.3 39.5

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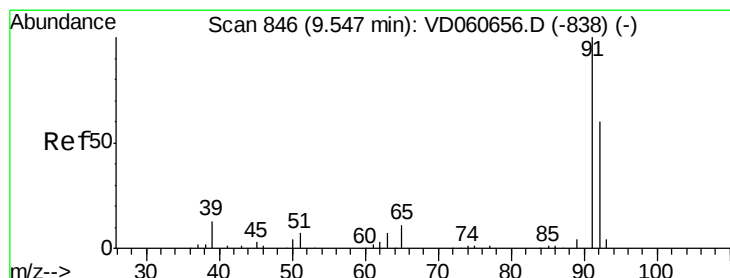
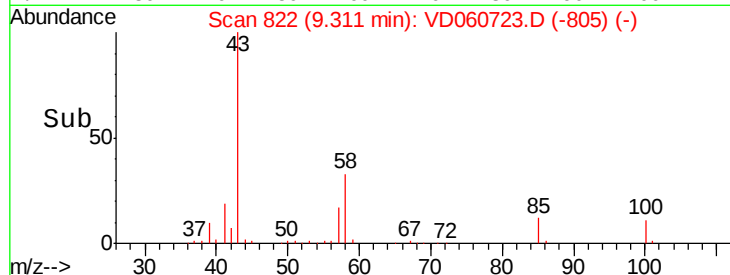
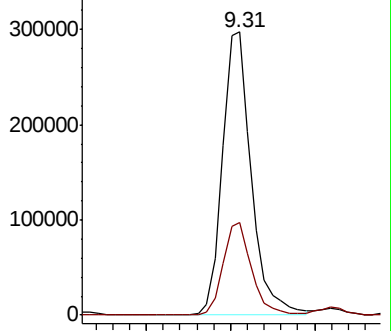
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.357 ug/l

RT: 9.52 min Scan# 843

Delta R.T. -0.03 min

Lab File: VD060723.D

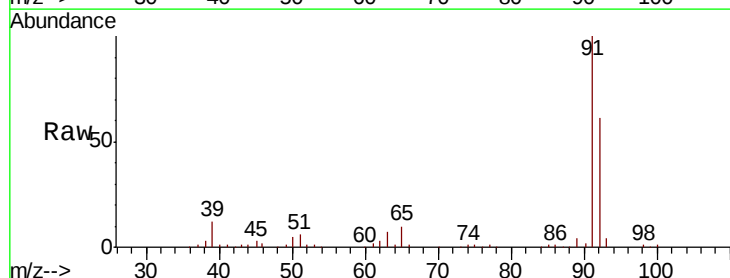
Acq: 27 Dec 2018 13:43

Tgt Ion: 92 Resp: 707523

Ion Ratio Lower Upper

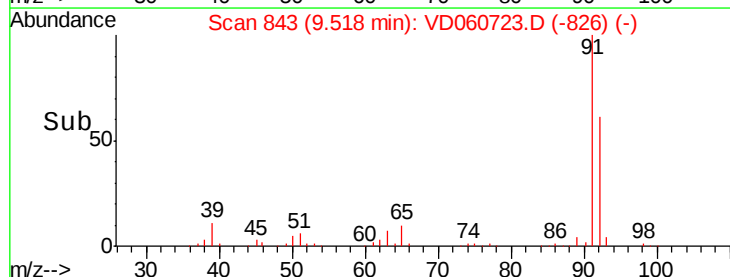
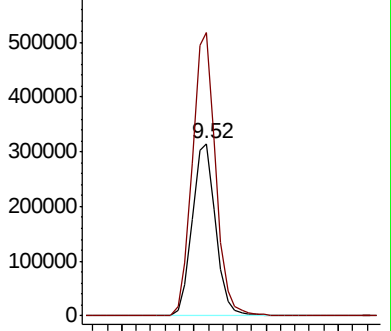
92 100

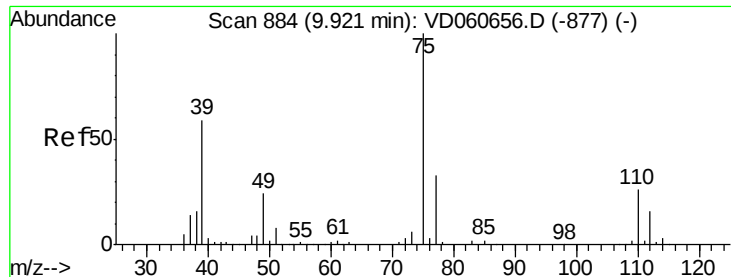
91 164.6 132.6 199.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





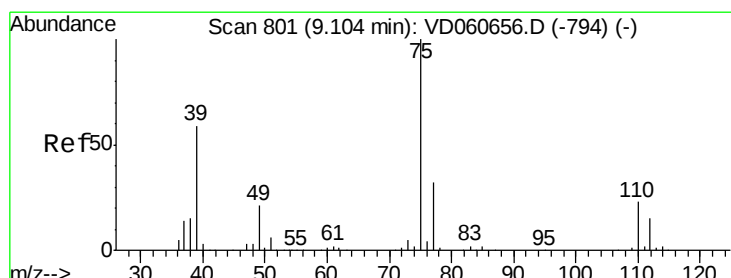
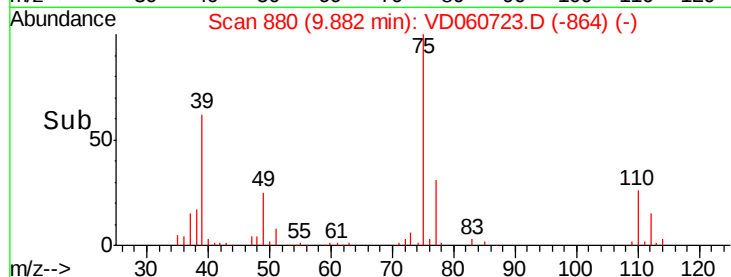
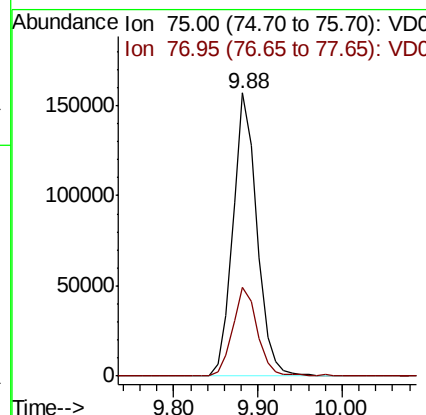
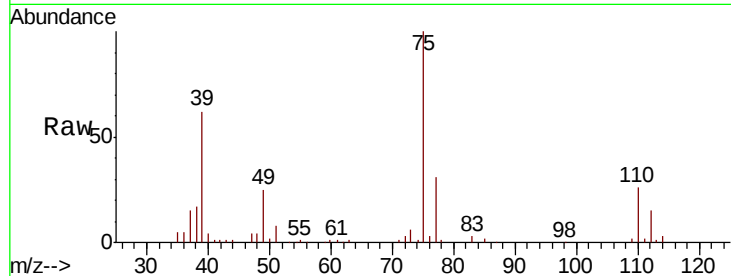
#53  
t-1,3-Dichloropropene  
Concen: 20.177 ug/l  
RT: 9.88 min Scan# 880  
Delta R.T. -0.04 min  
Lab File: VD060723.D  
Acq: 27 Dec 2018 13:43

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1227SBS01

Tot Ion: 75 Resp: 309383  
Ion Ratio Lower Upper  
75 100  
77 31.2 26.0 39.0

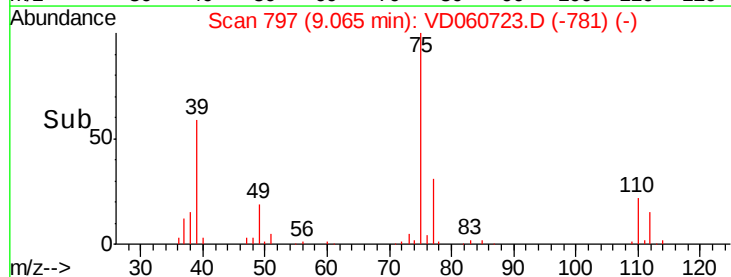
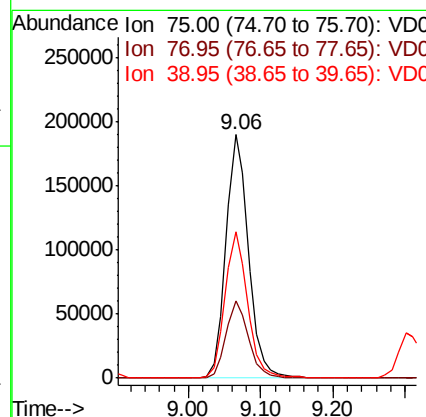
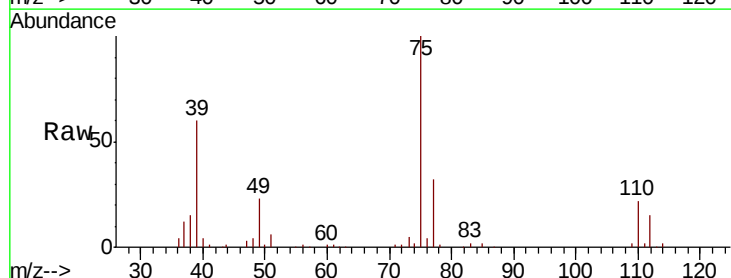
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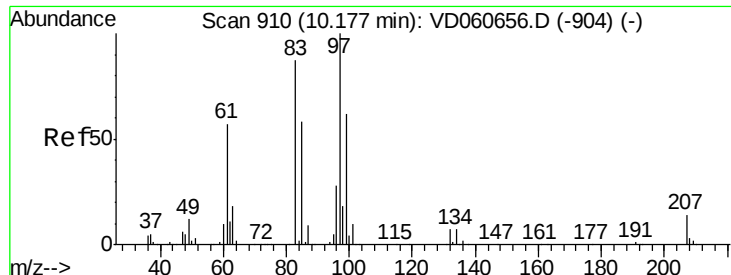
apatel  
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#54  
cis-1,3-Dichloropropene  
Concen: 20.434 ug/l  
RT: 9.06 min Scan# 797  
Delta R.T. -0.04 min  
Lab File: VD060723.D  
Acq: 27 Dec 2018 13:43

Tgt Ion: 75 Resp: 410116  
Ion Ratio Lower Upper  
75 100  
77 31.6 25.4 38.2  
39 59.9 47.0 70.4





#55

1,1,2-Trichloroethane

Concen: 20.866 ug/l

RT: 10.15 min Scan# 907

Delta R.T. -0.03 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

Instrument :

MSVOA\_D

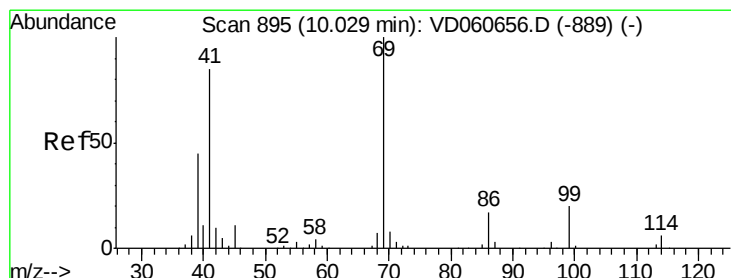
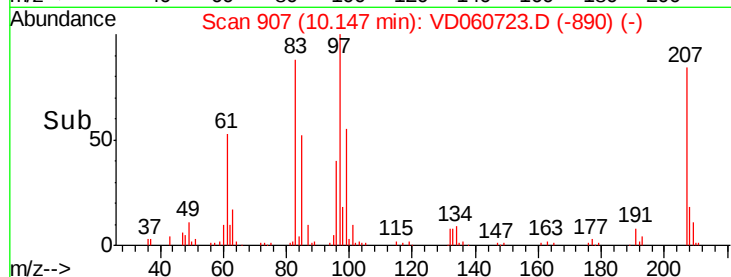
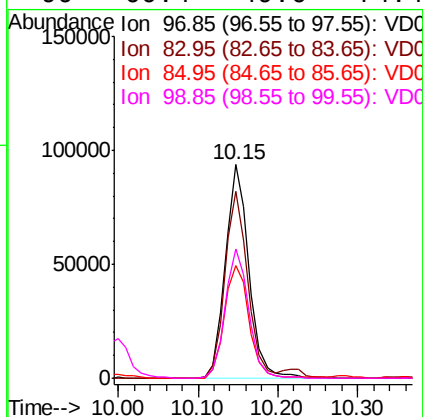
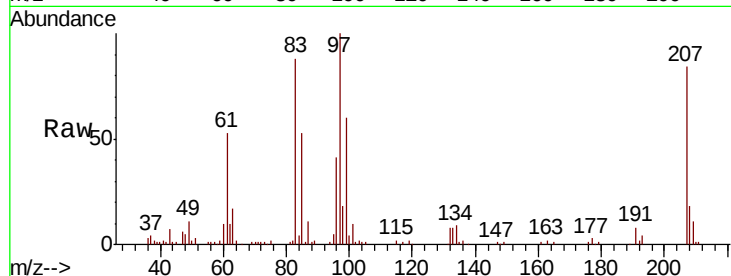
ClientSampleId :

VD1227SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 97    | Resp: | 195124 |
| Ion Ratio | Lower | Upper |        |
| 97        | 100   |       |        |
| 83        | 87.6  | 70.0  | 105.0  |
| 85        | 52.7  | 46.6  | 70.0   |
| 99        | 60.4  | 49.6  | 74.4   |

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#56

Ethyl methacrylate

Concen: 20.152 ug/l

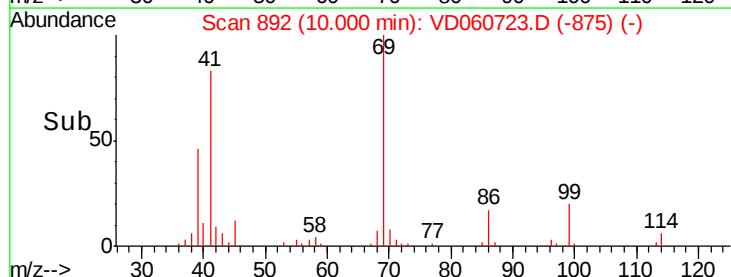
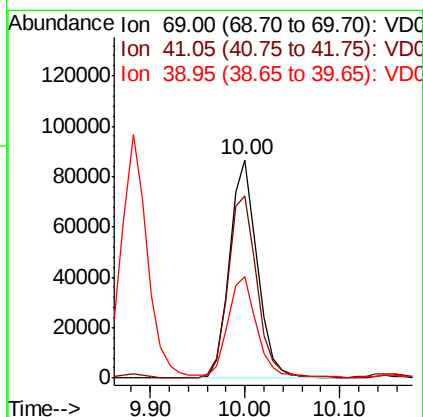
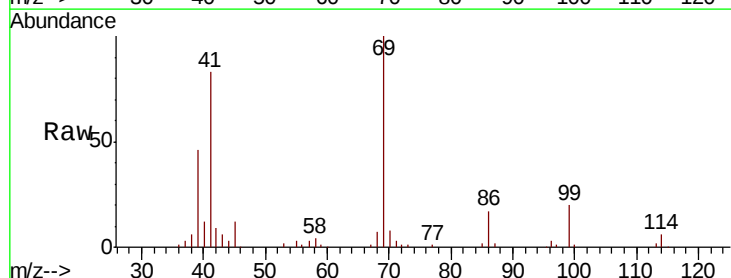
RT: 10.00 min Scan# 892

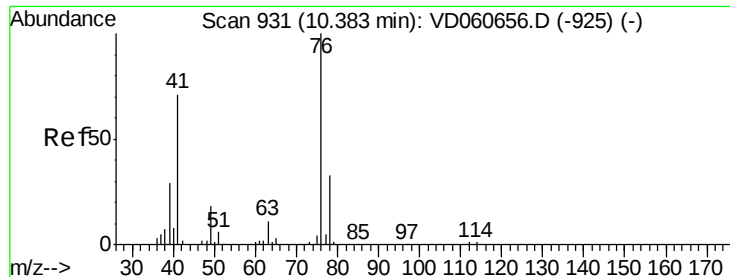
Delta R.T. -0.03 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 69    | Resp: | 175038 |
| Ion Ratio | Lower | Upper |        |
| 69        | 100   |       |        |
| 41        | 83.2  | 68.3  | 102.5  |
| 39        | 46.4  | 37.2  | 55.8   |





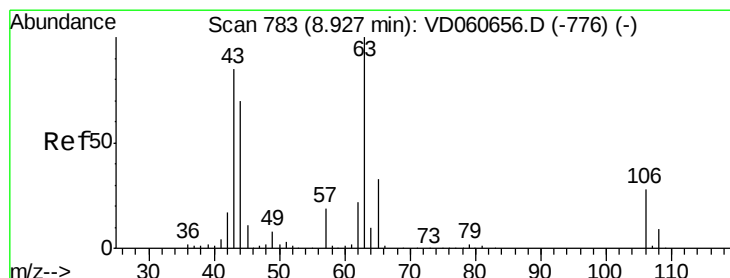
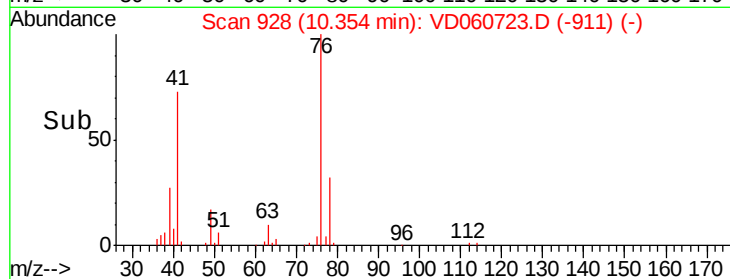
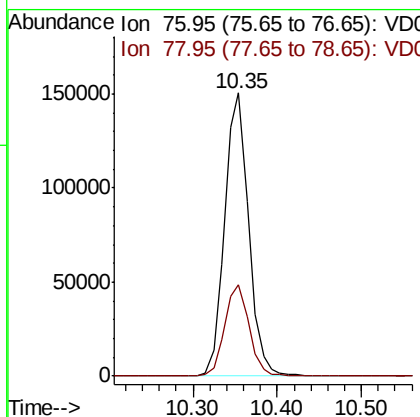
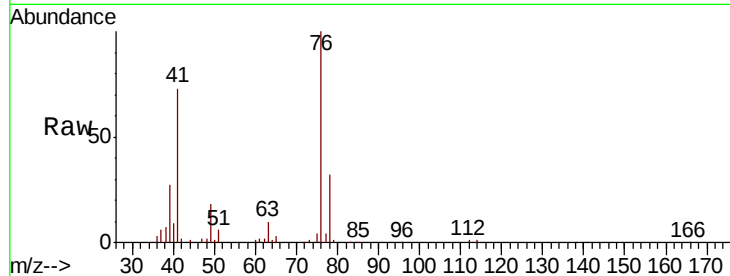
#57  
 1,3-Dichloropropane  
 Concen: 19.993 ug/l  
 RT: 10.35 min Scan# 928  
 Delta R.T. -0.03 min  
 Lab File: VD060723.D  
 Acq: 27 Dec 2018 13:43

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1227SBS01

Tot Ion: 76 Resp: 296345  
 Ion Ratio Lower Upper  
 76 100  
 78 32.3 26.1 39.1

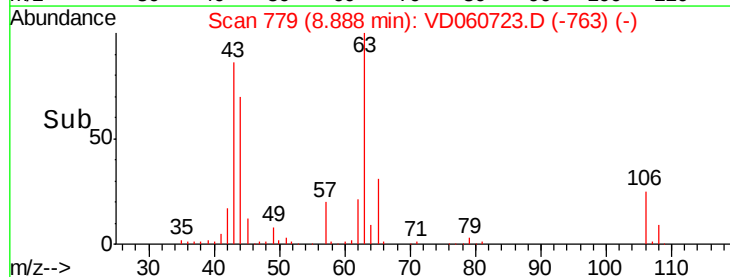
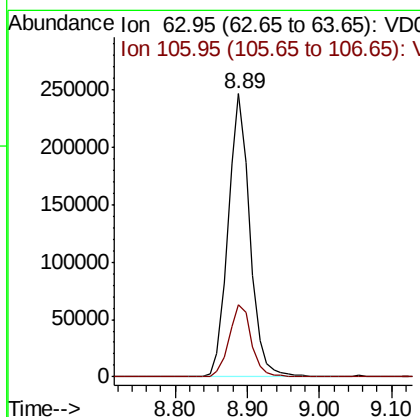
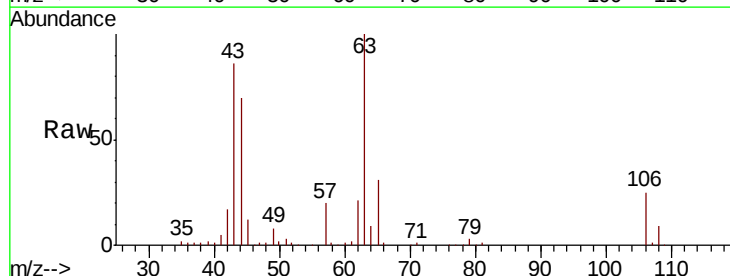
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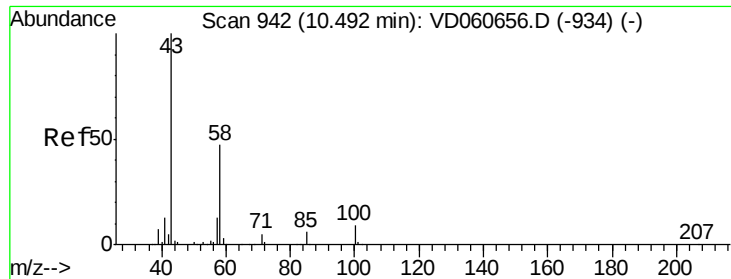
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#58  
 2-Chloroethyl Vinyl ether  
 Concen: 100.844 ug/l  
 RT: 8.89 min Scan# 779  
 Delta R.T. -0.04 min  
 Lab File: VD060723.D  
 Acq: 27 Dec 2018 13:43

Tgt Ion: 63 Resp: 516105  
 Ion Ratio Lower Upper  
 63 100  
 106 25.4 22.4 33.6





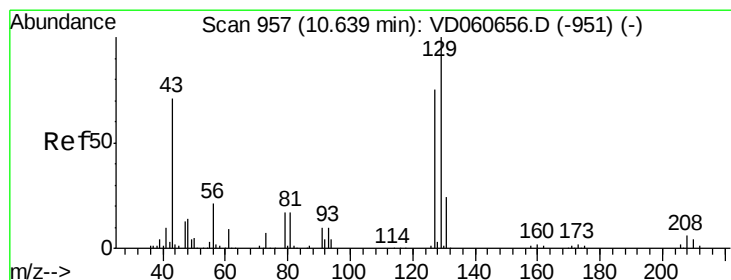
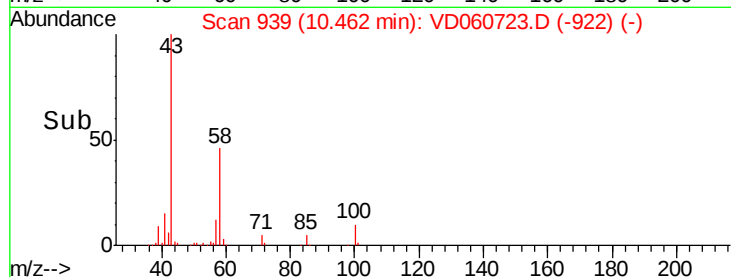
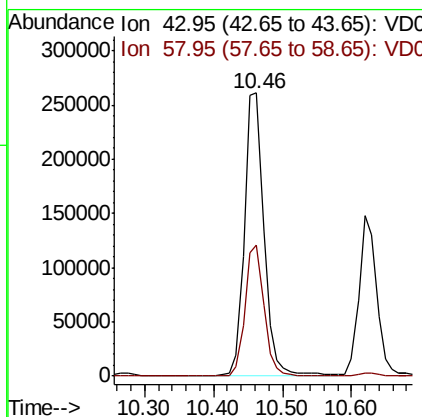
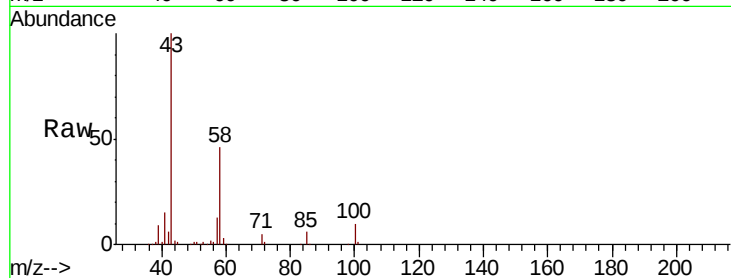
#59  
2-Hexanone  
Concen: 104.932 ug/l  
RT: 10.46 min Scan# 939  
Delta R.T. -0.03 min  
Lab File: VD060723.D  
Acq: 27 Dec 2018 13:43

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1227SBS01

Tot Ion: 43 Resp: 518367  
Ion Ratio Lower Upper  
43 100  
58 46.3 23.5 70.5

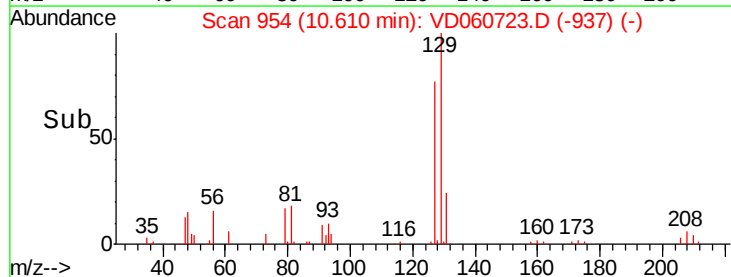
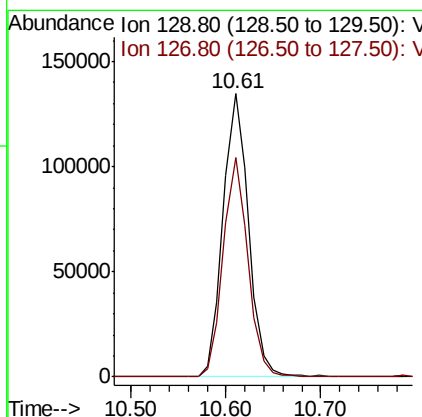
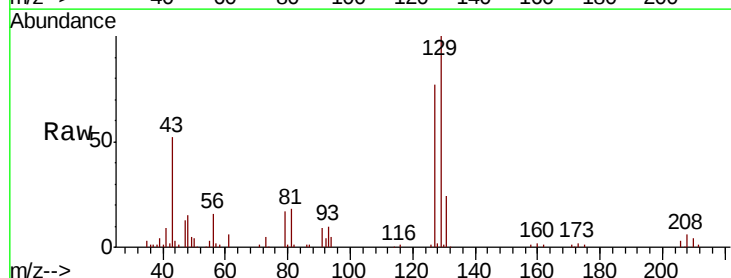
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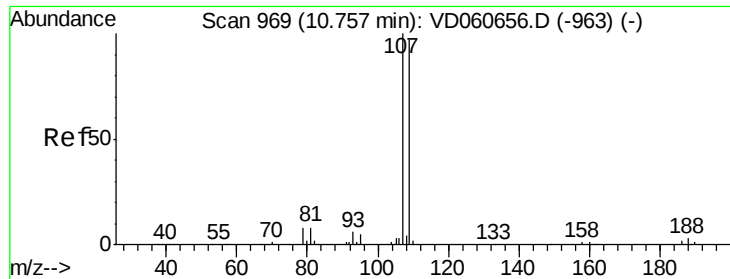
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#60  
Dibromochloromethane  
Concen: 21.105 ug/l  
RT: 10.61 min Scan# 954  
Delta R.T. -0.03 min  
Lab File: VD060723.D  
Acq: 27 Dec 2018 13:43

Tgt Ion: 129 Resp: 251383  
Ion Ratio Lower Upper  
129 100  
127 77.3 37.6 112.9





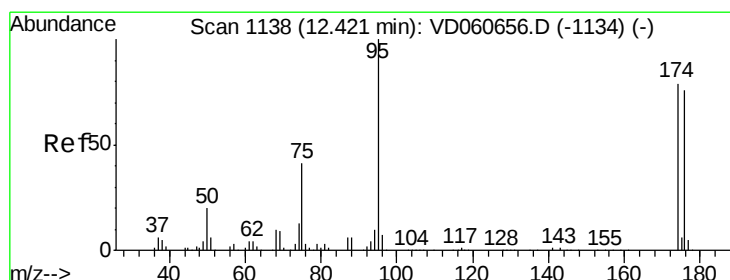
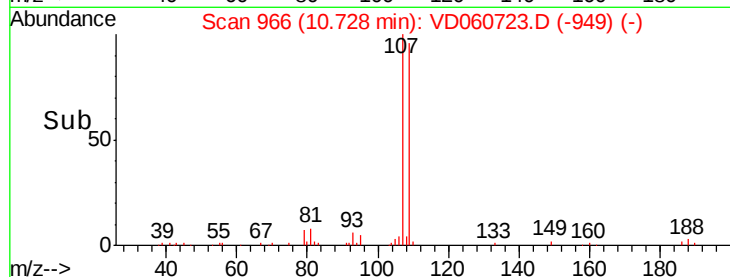
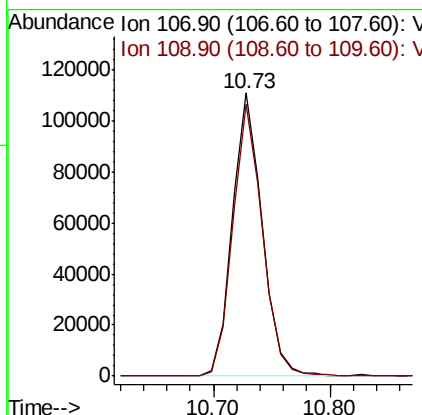
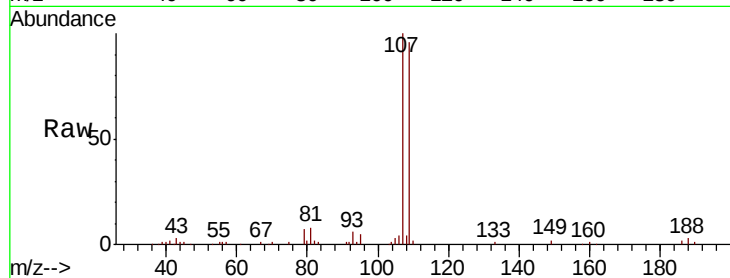
#61  
 1,2-Dibromoethane  
 Concen: 20.123 ug/l  
 RT: 10.73 min Scan# 966  
 Delta R.T. -0.03 min  
 Lab File: VD060723.D  
 Acq: 27 Dec 2018 13:43

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1227SBS01

Tot Ion: 107 Resp: 195183  
 Ion Ratio Lower Upper  
 107 100  
 109 96.0 78.0 117.0

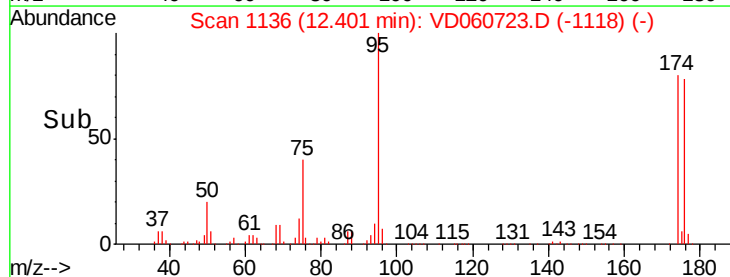
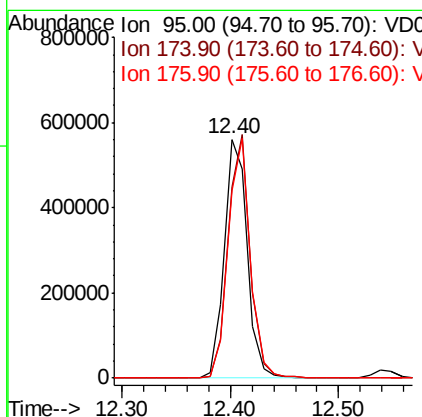
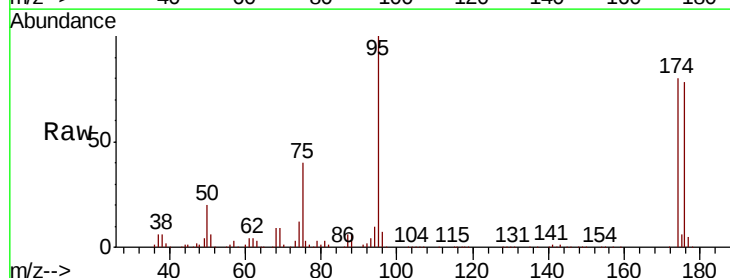
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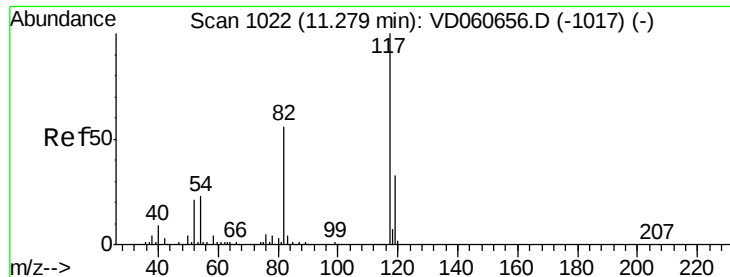
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#62  
 4-Bromofluorobenzene  
 Concen: 20.123 ug/l  
 RT: 12.40 min Scan# 1136  
 Delta R.T. -0.02 min  
 Lab File: VD060723.D  
 Acq: 27 Dec 2018 13:43

Tgt Ion: 95 Resp: 826495  
 Ion Ratio Lower Upper  
 95 100  
 174 80.2 0.0 158.2  
 176 78.4 0.0 152.4





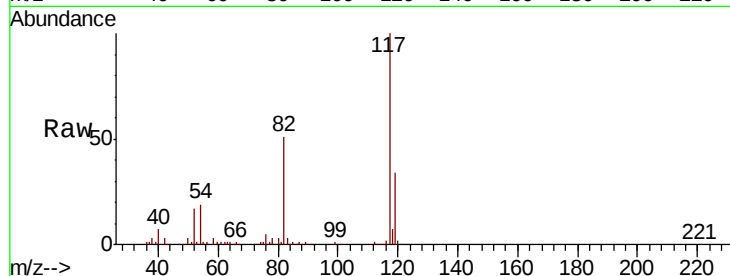
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.26 min Scan# 1020  
Delta R.T. -0.02 min  
Lab File: VD060723.D  
Acq: 27 Dec 2018 13:43

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1227SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 50.6  | 44.5  | 66.7  |
| 119     | 33.8  | 26.3  | 39.5  |

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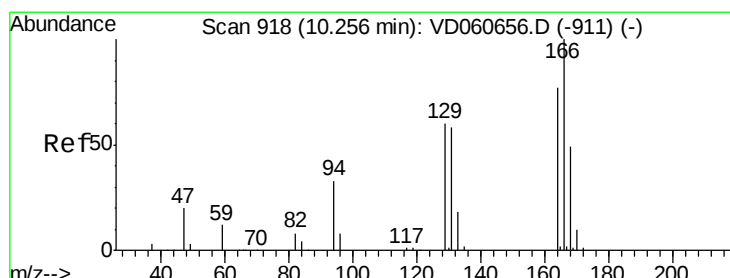
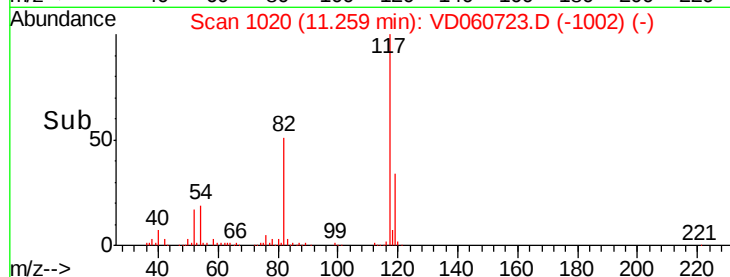
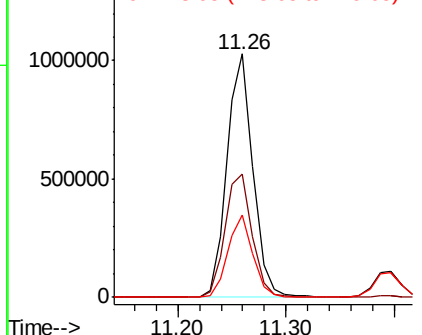


Abundance

Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64  
Tetrachloroethene  
Concen: 20.052 ug/l  
RT: 10.22 min Scan# 914  
Delta R.T. -0.04 min  
Lab File: VD060723.D  
Acq: 27 Dec 2018 13:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 127.3 | 104.4 | 156.6 |
| 129     | 80.3  | 62.7  | 94.1  |
| 131     | 77.9  | 61.1  | 91.7  |

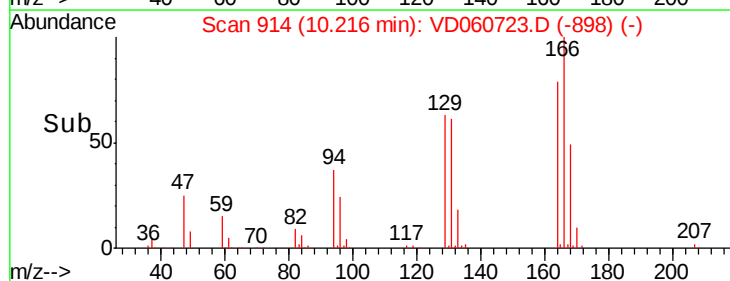
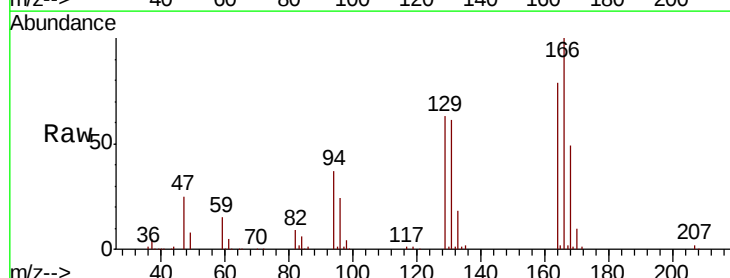
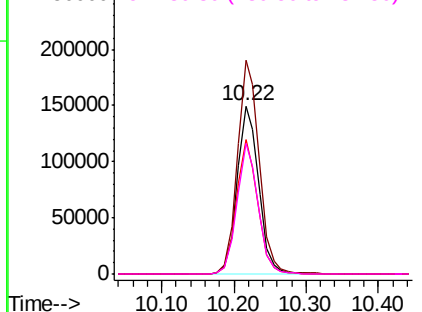
Abundance

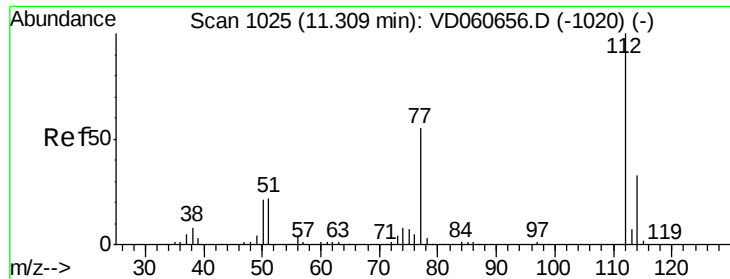
Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





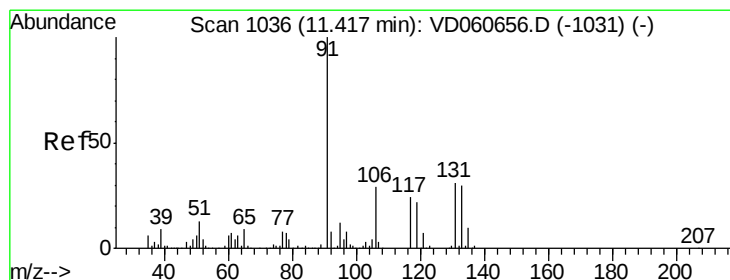
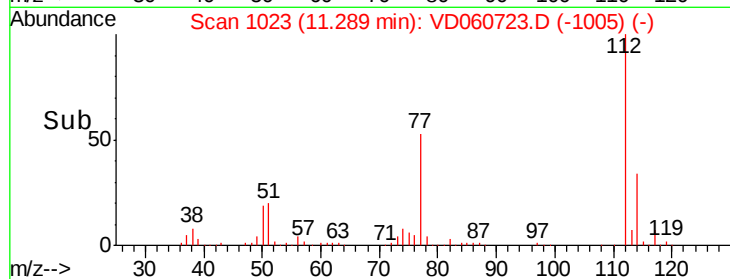
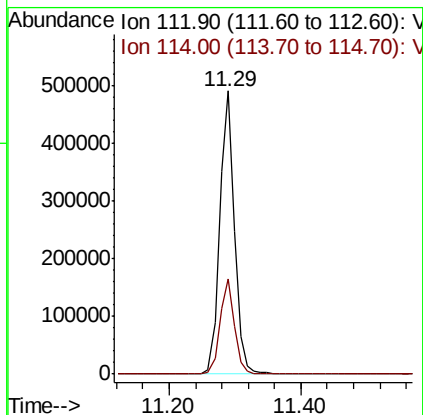
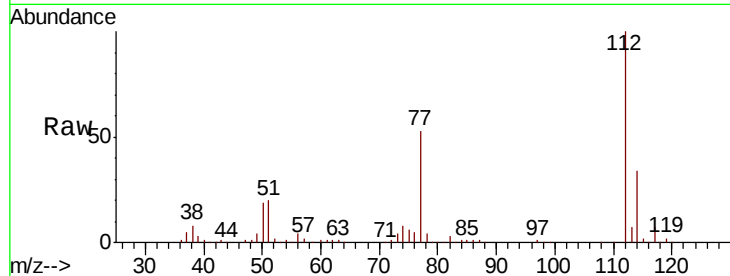
#65  
Chlorobenzene  
Concen: 20.116 ug/l  
RT: 11.29 min Scan# 1023  
Delta R.T. -0.02 min  
Lab File: VD060723.D  
Acq: 27 Dec 2018 13:43

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1227SBS01

Tot Ion:112 Resp: 760201  
Ion Ratio Lower Upper  
112 100  
114 33.5 26.1 39.1

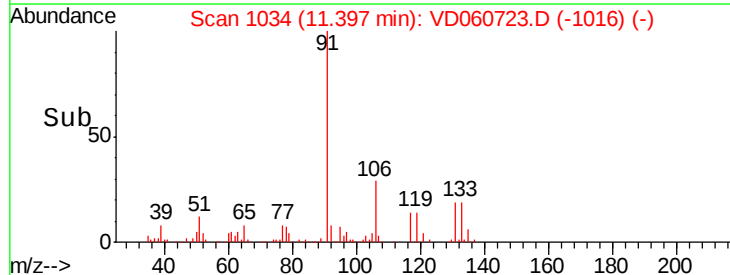
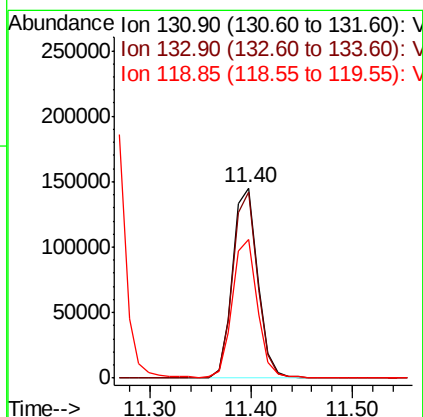
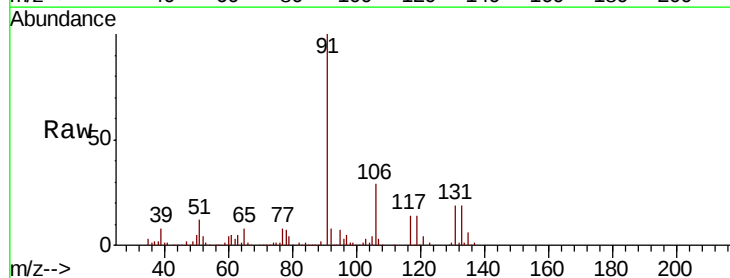
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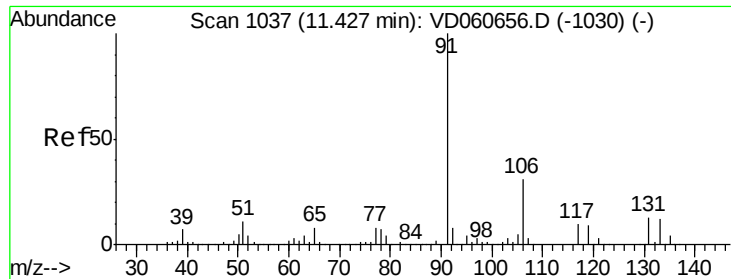
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#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.689 ug/l  
RT: 11.40 min Scan# 1034  
Delta R.T. -0.02 min  
Lab File: VD060723.D  
Acq: 27 Dec 2018 13:43

Tgt Ion:131 Resp: 251395  
Ion Ratio Lower Upper  
131 100  
133 97.4 49.1 147.3  
119 72.7 36.6 109.8





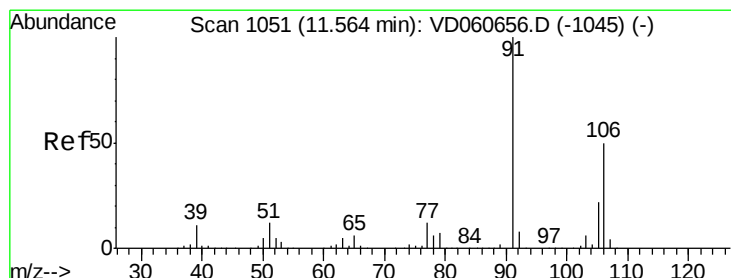
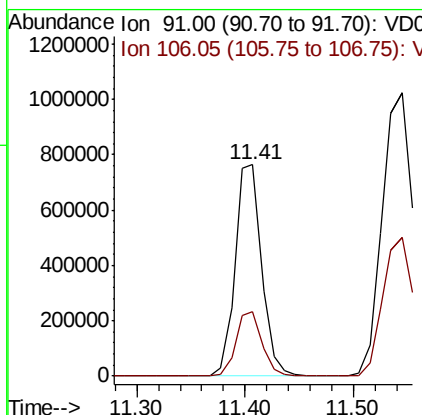
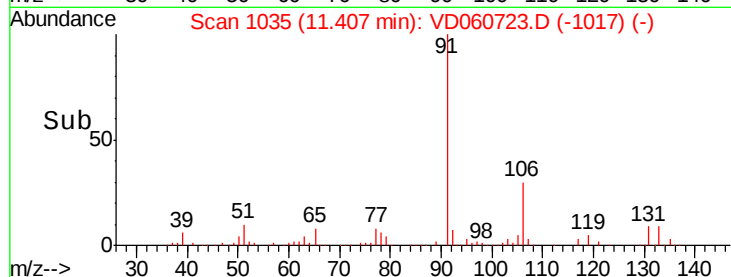
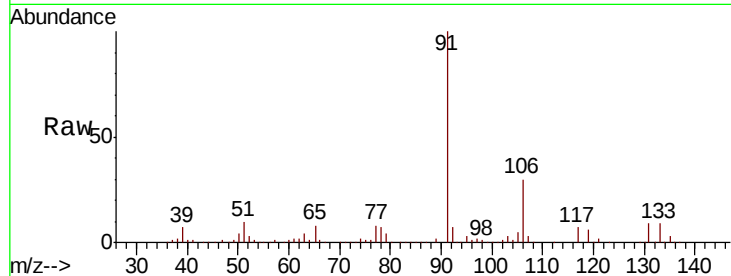
#67  
Ethyl Benzene  
Concen: 20.150 ug/l  
RT: 11.41 min Scan# 1035  
Delta R.T. -0.02 min  
Lab File: VD060723.D  
Acq: 27 Dec 2018 13:43

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1227SBS01

Tot Ion: 91 Resp: 1304122  
Ion Ratio Lower Upper  
91 100  
106 30.3 24.6 36.8

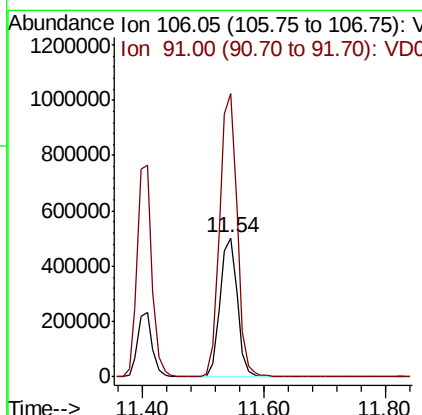
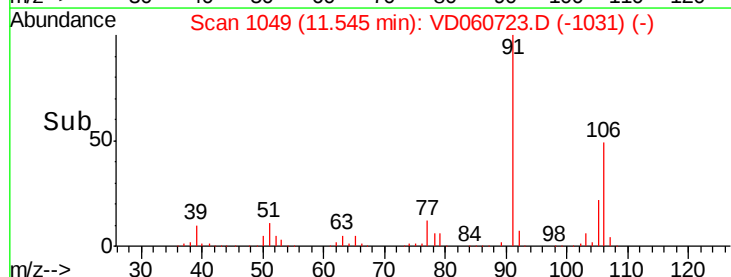
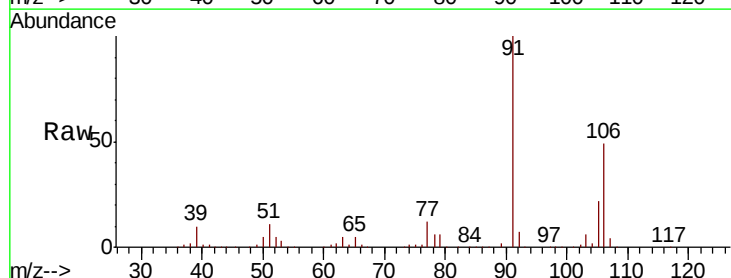
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#68  
m/p-Xylenes  
Concen: 41.806 ug/l  
RT: 11.54 min Scan# 1049  
Delta R.T. -0.02 min  
Lab File: VD060723.D  
Acq: 27 Dec 2018 13:43

Tgt Ion: 106 Resp: 988825  
Ion Ratio Lower Upper  
106 100  
91 203.4 158.9 238.3





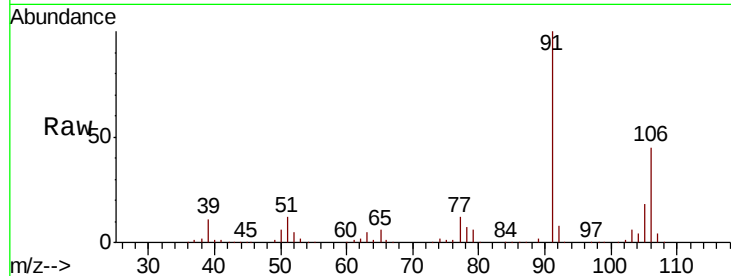
#69  
o-Xylene  
Concen: 20.568 ug/l  
RT: 11.91 min Scan# 1086  
Delta R.T. -0.03 min  
Lab File: VD060723.D  
Acq: 27 Dec 2018 13:43

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1227SBS01

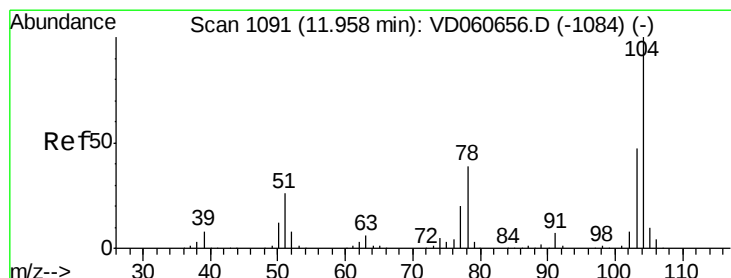
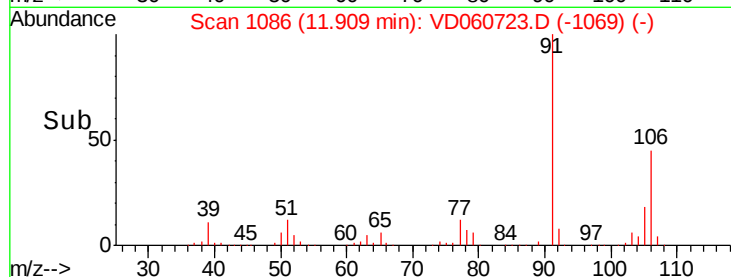
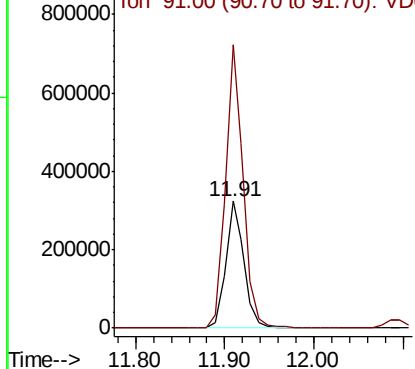
Tot Ion:106 Resp: 461555  
Ion Ratio Lower Upper  
106 100  
91 223.5 101.5 304.5

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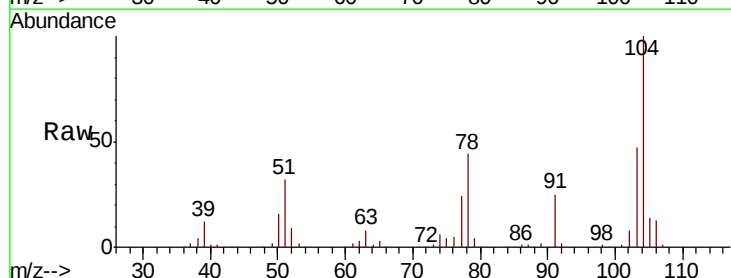


Abundance Ion 106.05 (105.75 to 106.75): V  
Ion 91.00 (90.70 to 91.70): V

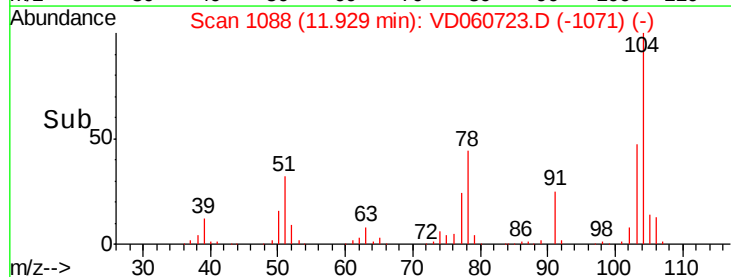
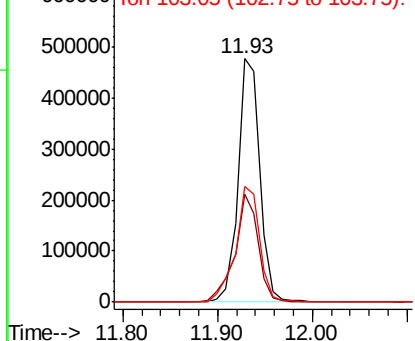


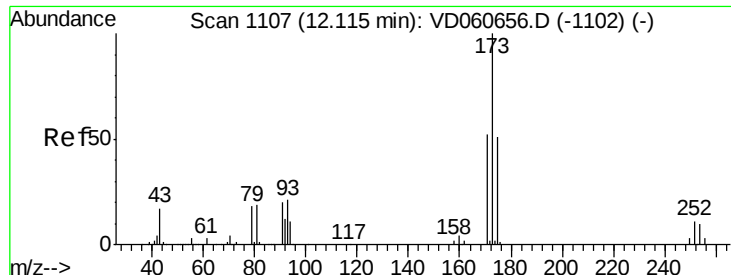
#70  
Styrene  
Concen: 20.925 ug/l  
RT: 11.93 min Scan# 1088  
Delta R.T. -0.03 min  
Lab File: VD060723.D  
Acq: 27 Dec 2018 13:43

Tgt Ion:104 Resp: 756268  
Ion Ratio Lower Upper  
104 100  
78 44.4 31.4 47.2  
103 47.5 37.5 56.3



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





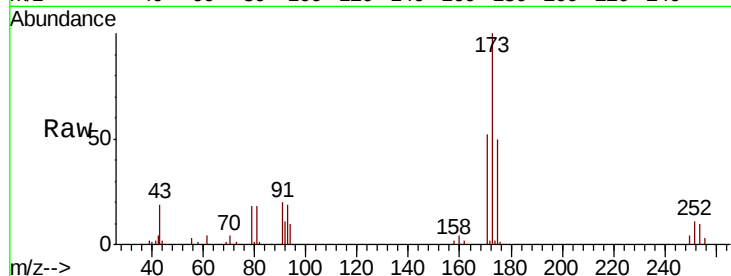
#71  
Bromoform  
Concen: 19.751 ug/l  
RT: 12.10 min Scan# 1105  
Delta R.T. -0.02 min  
Lab File: VD060723.D  
Acq: 27 Dec 2018 13:43

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1227SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 50.3  | 25.5  | 76.5  |
| 254     | 9.9   | 7.9   | 11.9  |

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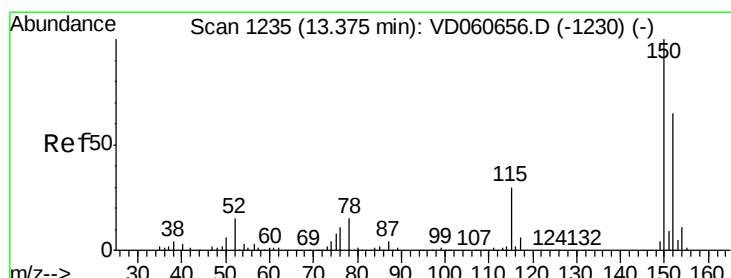
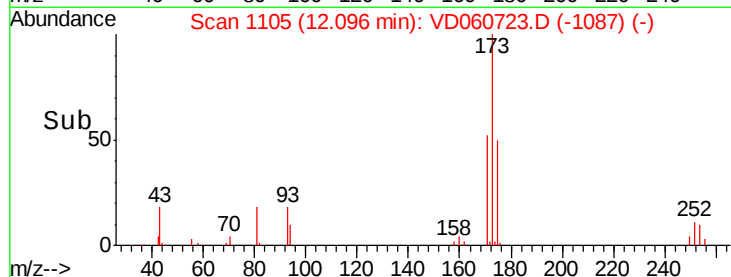
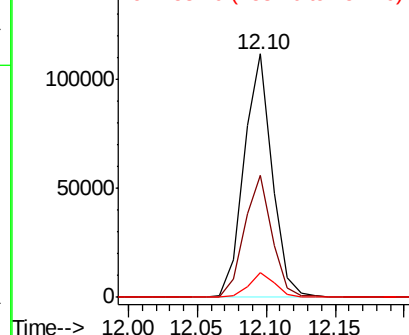


Abundance

Ion 172.80 (172.50 to 173.50): V

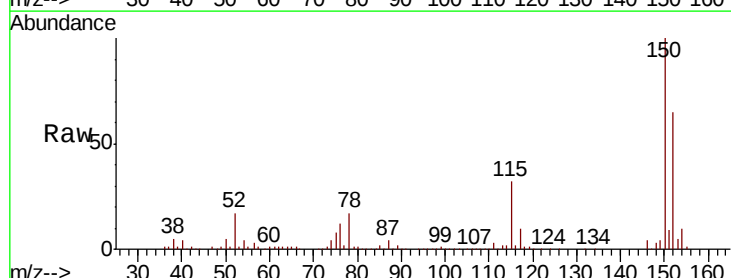
Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.36 min Scan# 1233  
Delta R.T. -0.02 min  
Lab File: VD060723.D  
Acq: 27 Dec 2018 13:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 49.3  | 24.1  | 72.3  |
| 150     | 154.6 | 0.0   | 315.0 |

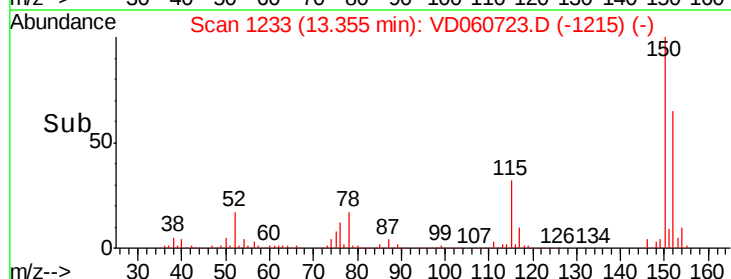
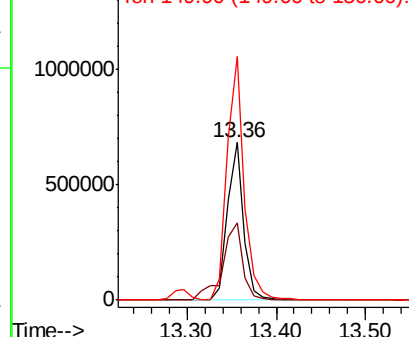


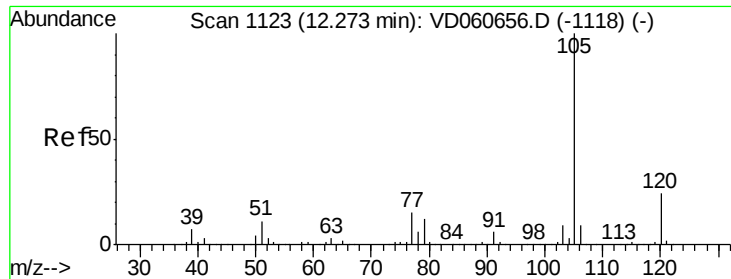
Abundance

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





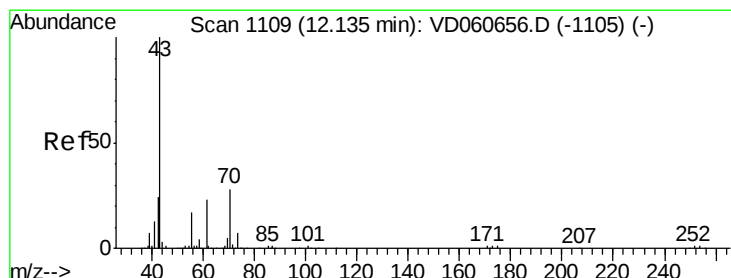
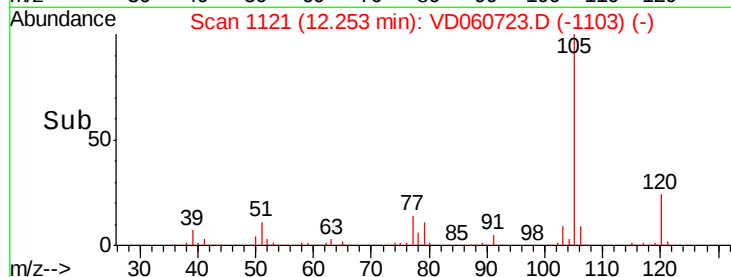
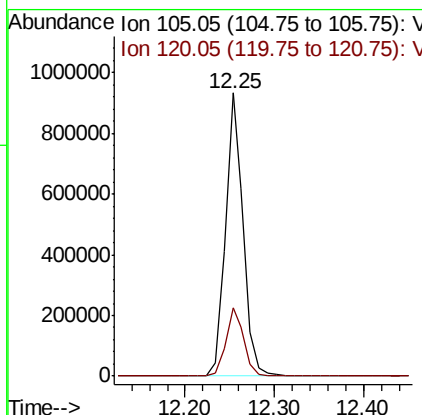
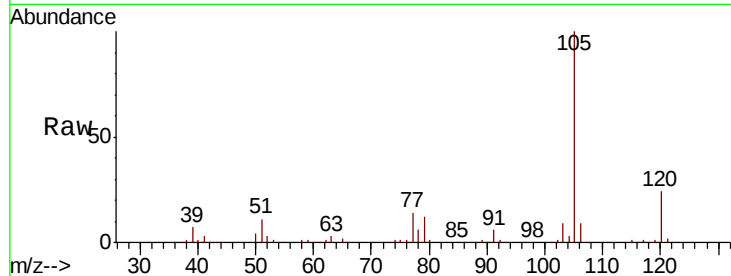
#73  
Isopropylbenzene  
Concen: 20.839 ug/l  
RT: 12.25 min Scan# 1121  
Delta R.T. -0.02 min  
Lab File: VD060723.D  
Acq: 27 Dec 2018 13:43

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1227SBS01

Tot Ion:105 Resp: 1303192  
Ion Ratio Lower Upper  
105 100  
120 24.3 12.2 36.4

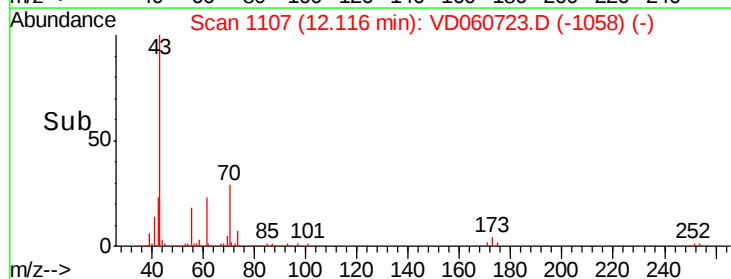
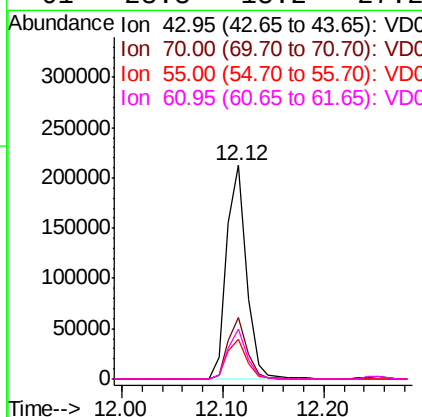
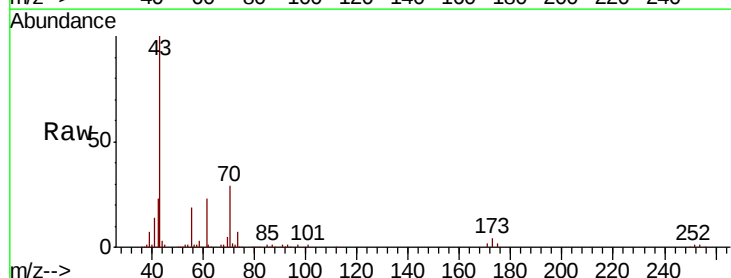
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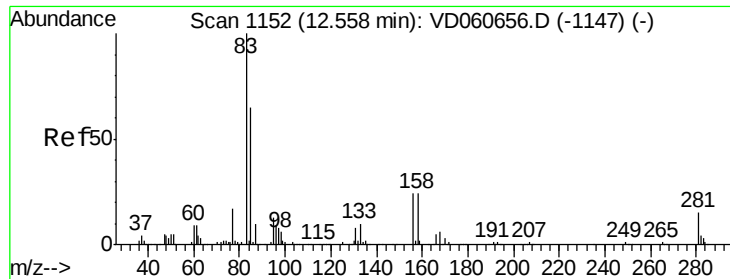
apatel  
12/28/2018 9:47:08 AM



#74  
N-ethyl acetate  
Concen: 19.825 ug/l  
RT: 12.12 min Scan# 1107  
Delta R.T. -0.02 min  
Lab File: VD060723.D  
Acq: 27 Dec 2018 13:43

Tgt Ion: 43 Resp: 292609  
Ion Ratio Lower Upper  
43 100  
70 28.7 22.2 33.2  
55 18.6 13.8 20.8  
61 23.3 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.650 ug/l

RT: 12.54 min Scan# 1150

Delta R.T. -0.02 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

Instrument :

MSVOA\_D

ClientSampleId :

VD1227SBS01

Tot Ion: 83 Resp: 209320

Ion Ratio Lower Upper

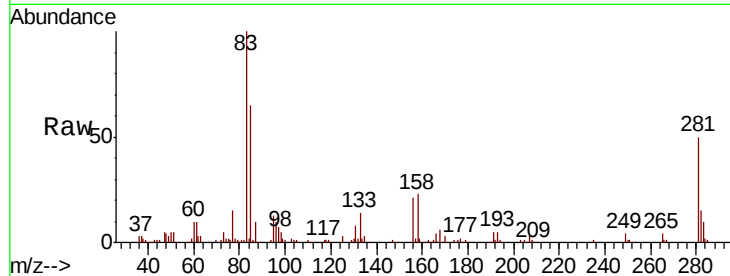
83 100

131 7.8 4.2 12.4

85 64.9 32.6 97.7

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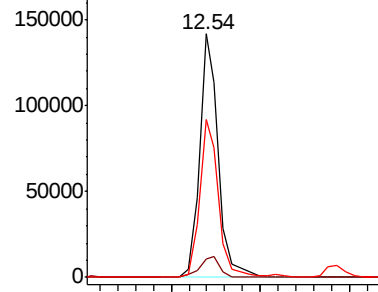
apatel  
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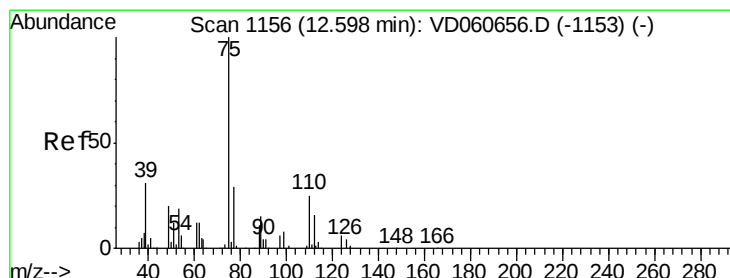
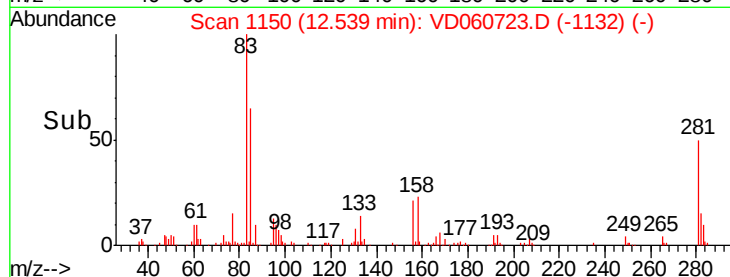
Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



Time-->



#76

1,2,3-Trichloropropane

Concen: 20.001 ug/l

RT: 12.58 min Scan# 1154

Delta R.T. -0.02 min

Lab File: VD060723.D

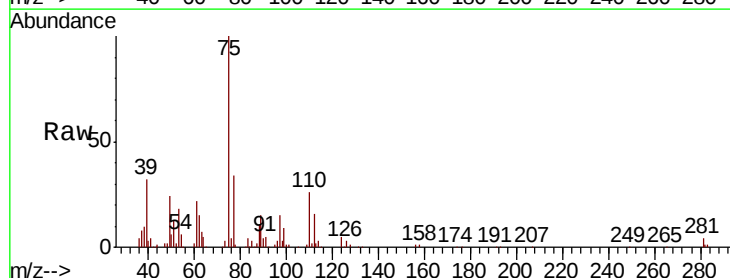
Acq: 27 Dec 2018 13:43

Tgt Ion: 75 Resp: 200003

Ion Ratio Lower Upper

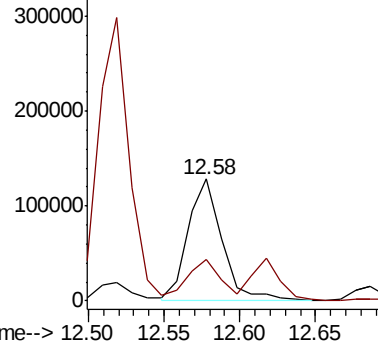
75 100

77 33.5 16.7 50.0

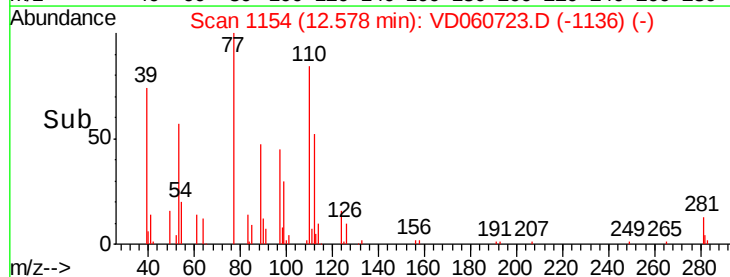


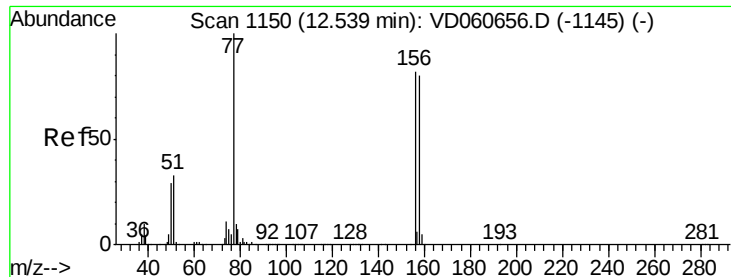
Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



Time-->





#77

Bromobenzene

Concen: 20.937 ug/l

RT: 12.52 min Scan# 1148

Delta R.T. -0.02 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

Instrument :

MSVOA\_D

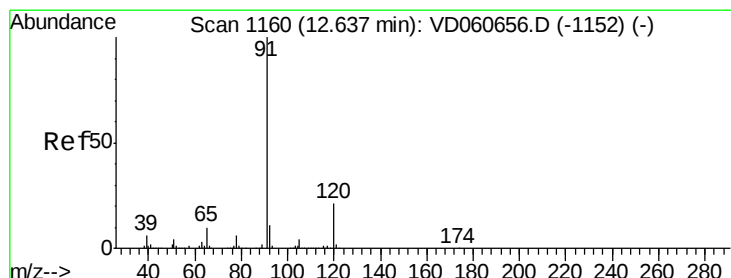
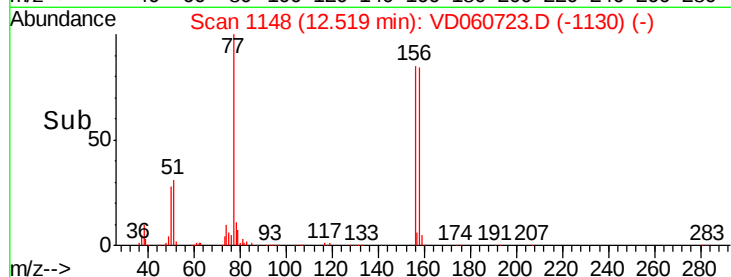
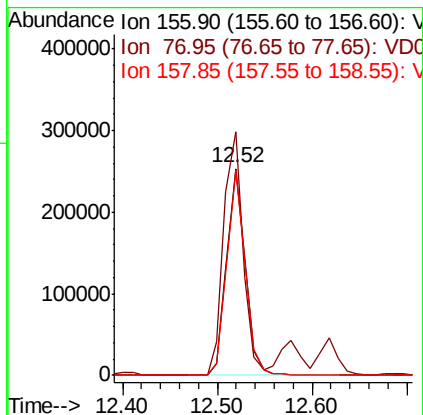
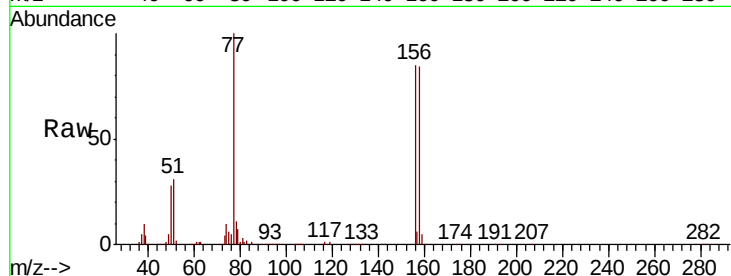
ClientSampleId :

VD1227SBS01

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 156     | 100   |       |       |       |
| 77      | 117.9 | 61.3  | 183.9 |       |
| 158     | 99.2  | 48.9  | 146.6 |       |

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#78

n-propylbenzene

Concen: 21.235 ug/l

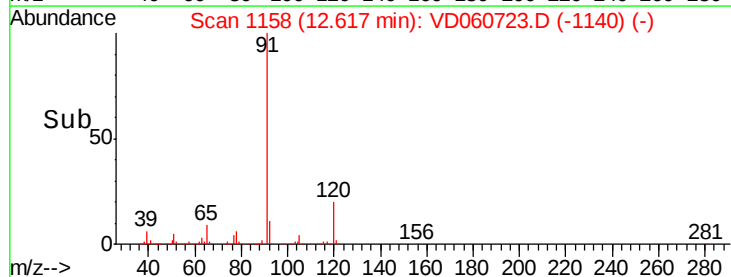
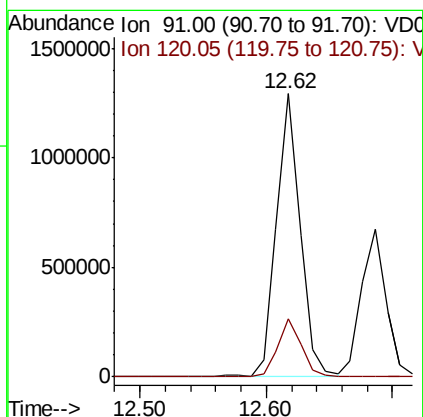
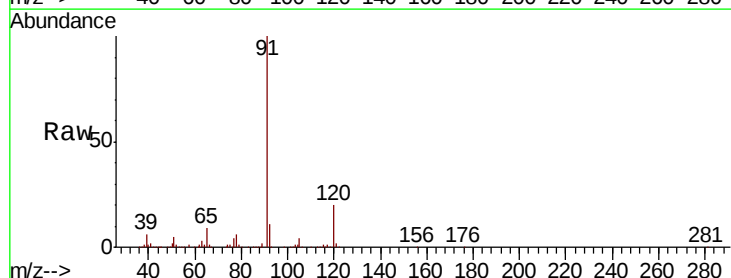
RT: 12.62 min Scan# 1158

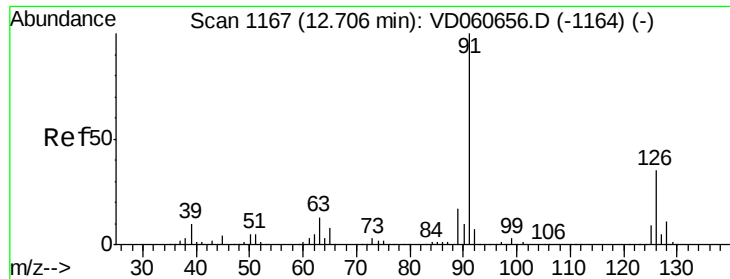
Delta R.T. -0.02 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 91      | 100  |       |       |       |
| 120     | 20.4 | 10.4  | 31.2  |       |





#79

2-Chlorotoluene

Concen: 21.427 ug/l

RT: 12.69 min Scan# 1165

Delta R.T. -0.02 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

Instrument :

MSVOA\_D

ClientSampleId :

VD1227SBS01

Tot Ion: 91 Resp: 917556

Ion Ratio Lower Upper

91 100

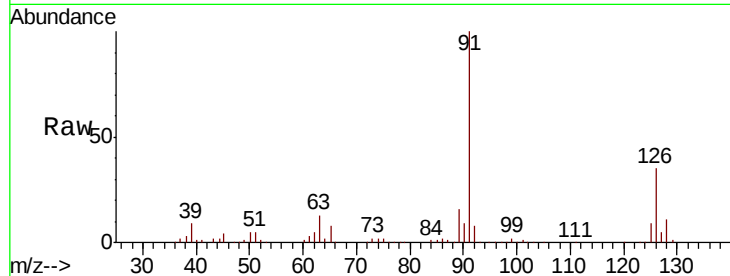
126 35.1 17.2 51.5

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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V

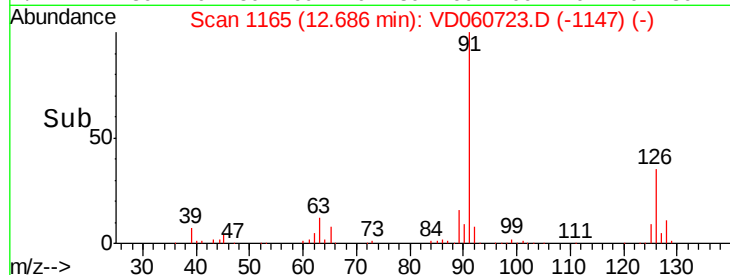
1500000

1000000

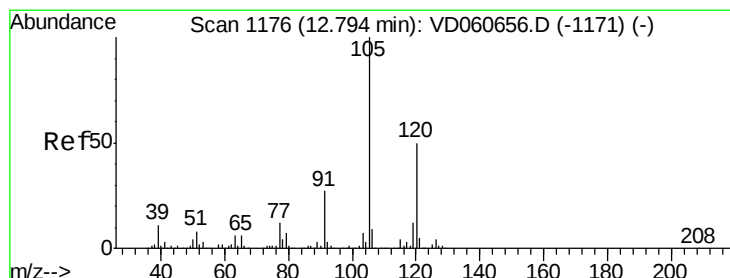
500000

0

12.65 12.70 12.75



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.692 ug/l

RT: 12.77 min Scan# 1174

Delta R.T. -0.02 min

Lab File: VD060723.D

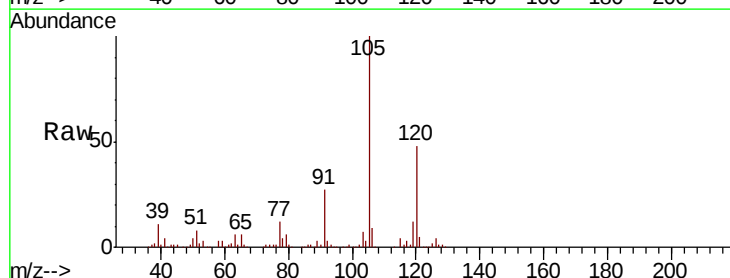
Acq: 27 Dec 2018 13:43

Tgt Ion:105 Resp: 1047513

Ion Ratio Lower Upper

105 100

120 48.2 24.8 74.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

800000

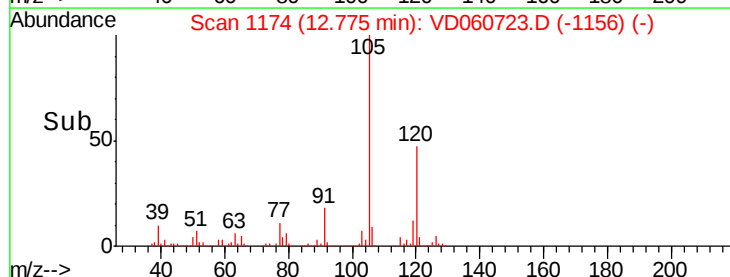
600000

400000

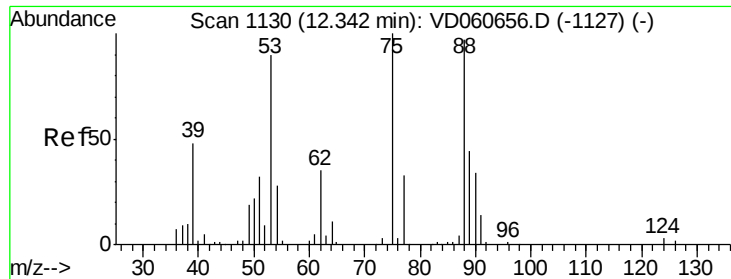
200000

0

12.70 12.80 12.90



Time-->



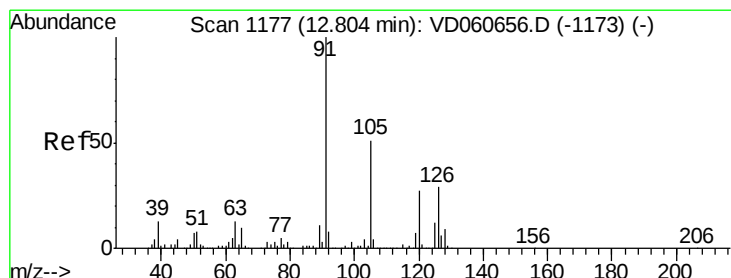
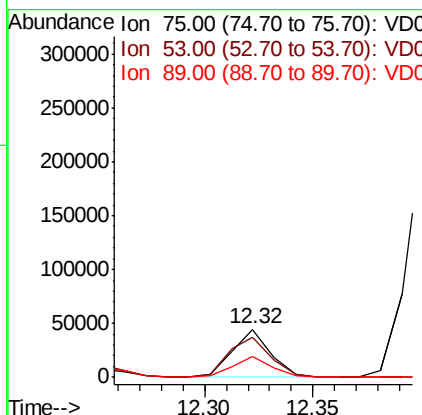
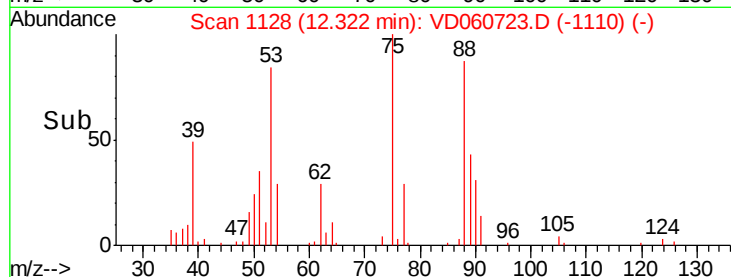
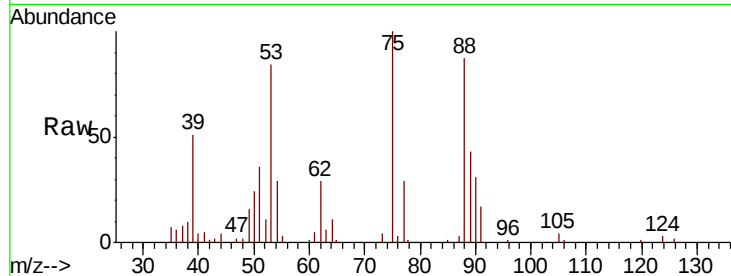
#81  
trans-1,4-Dichloro-2-butene  
Concen: 19.915 ug/l  
RT: 12.32 min Scan# 1128  
Delta R.T. -0.02 min  
Lab File: VD060723.D  
Acq: 27 Dec 2018 13:43

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1227SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 83.8  | 72.1  | 108.1 |
| 89      | 43.4  | 35.1  | 52.7  |

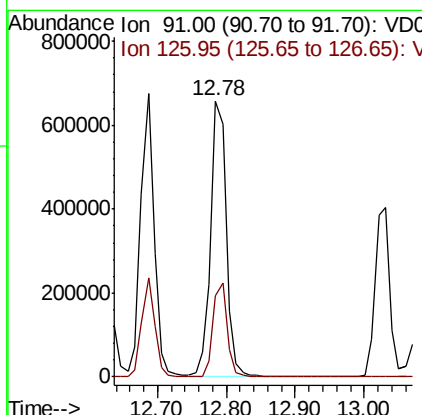
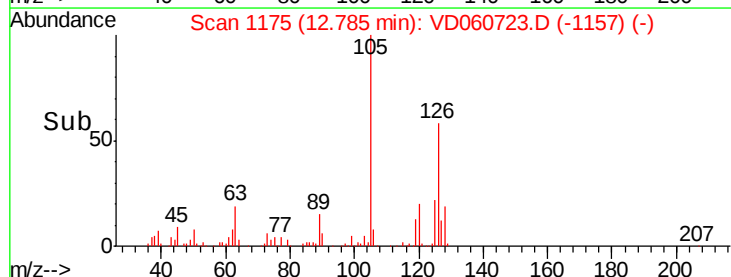
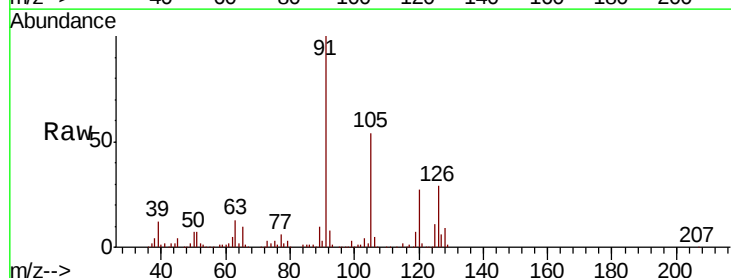
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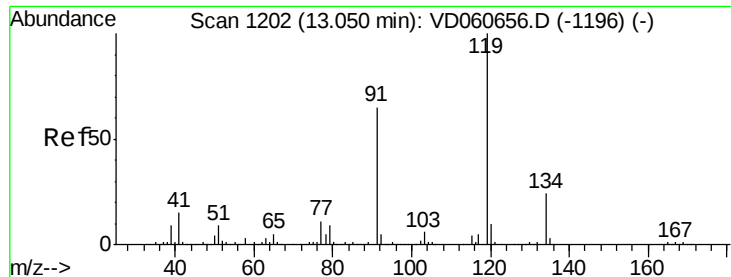
apatel  
12/28/2018 9:47:08 AM



#82  
4-Chlorotoluene  
Concen: 21.399 ug/l  
RT: 12.78 min Scan# 1175  
Delta R.T. -0.02 min  
Lab File: VD060723.D  
Acq: 27 Dec 2018 13:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 29.3  | 14.6  | 43.8  |





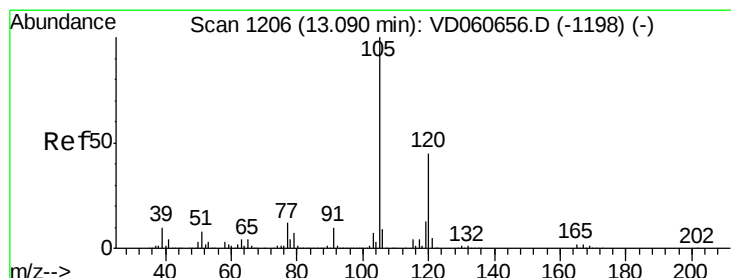
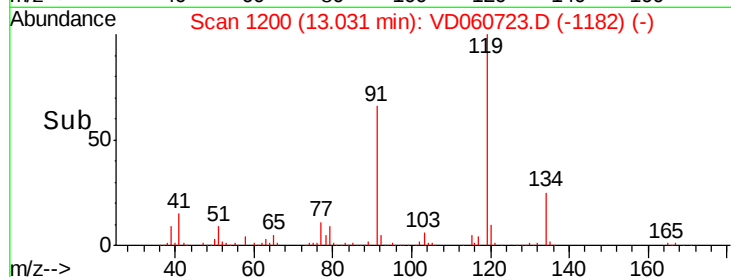
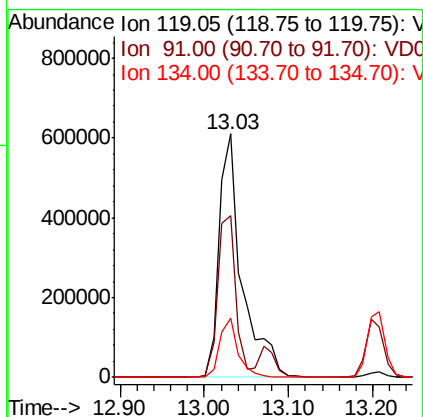
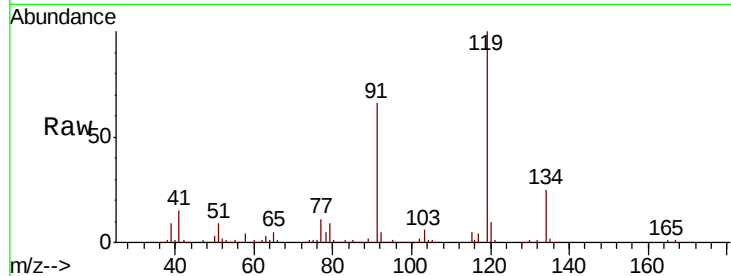
#83  
tert-Butylbenzene  
Concen: 21.035 ug/l  
RT: 13.03 min Scan# 1200  
Delta R.T. -0.02 min  
Lab File: VD060723.D  
Acq: 27 Dec 2018 13:43

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1227SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 66.4  | 32.5  | 97.4  |
| 134     | 24.6  | 11.9  | 35.9  |

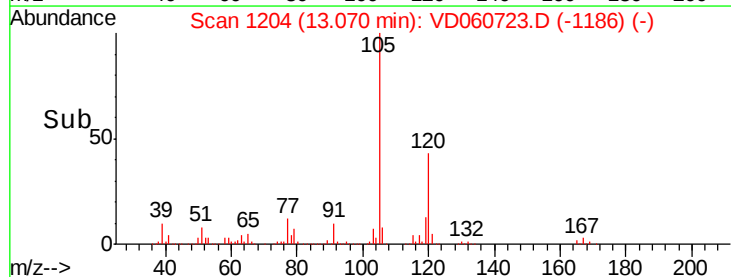
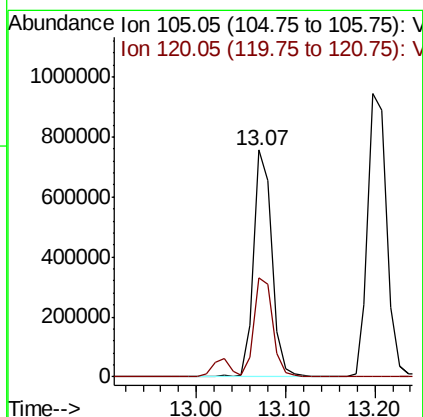
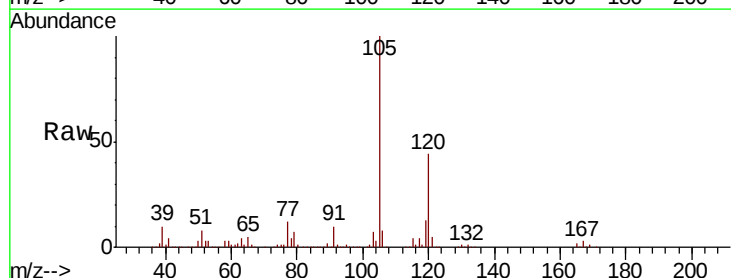
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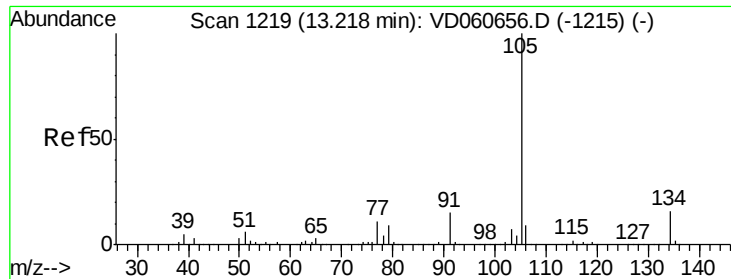
apatel  
12/28/2018 9:47:08 AM



#84  
1,2,4-Trimethylbenzene  
Concen: 21.382 ug/l  
RT: 13.07 min Scan# 1204  
Delta R.T. -0.02 min  
Lab File: VD060723.D  
Acq: 27 Dec 2018 13:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 43.5  | 22.4  | 67.0  |





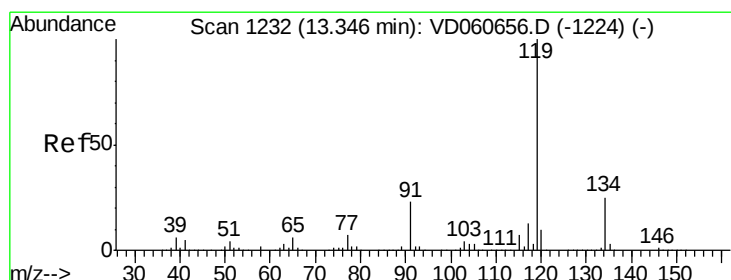
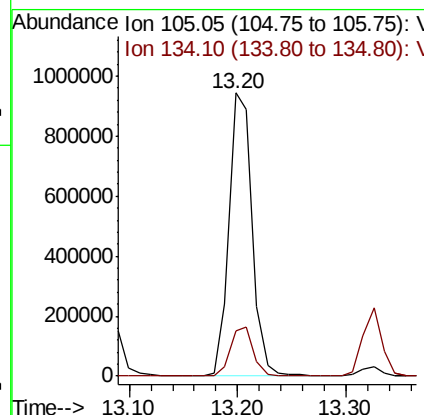
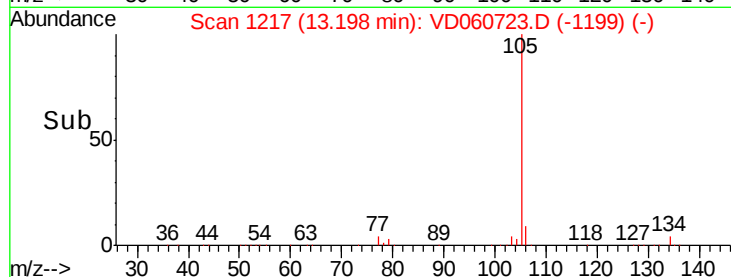
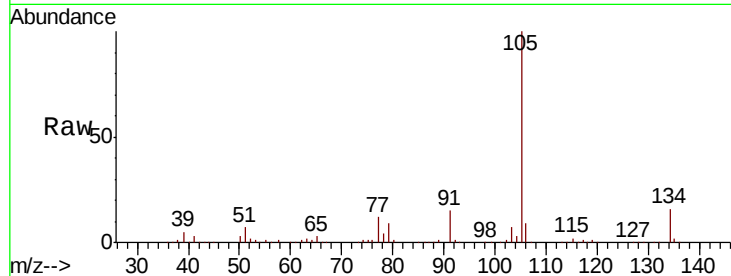
#85  
 sec-Butylbenzene  
 Concen: 20.872 ug/l  
 RT: 13.20 min Scan# 1217  
 Delta R.T. -0.02 min  
 Lab File: VD060723.D  
 Acq: 27 Dec 2018 13:43

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VD1227SBS01

Tot Ion:105 Resp: 1398923  
 Ion Ratio Lower Upper  
 105 100  
 134 16.1 8.2 24.4

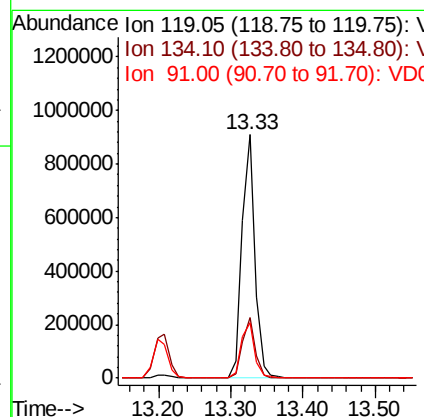
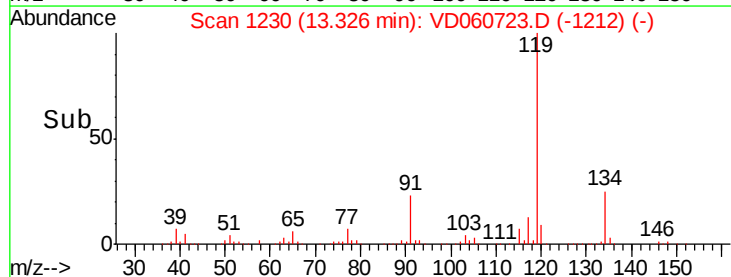
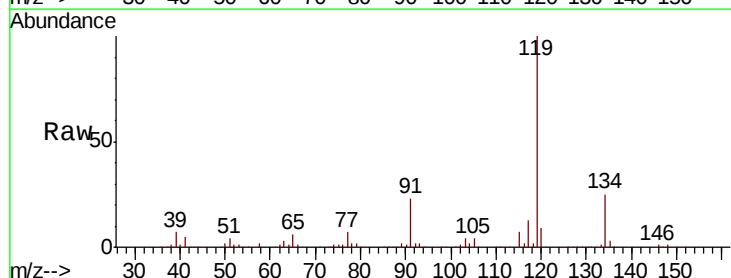
Manual Integrations  
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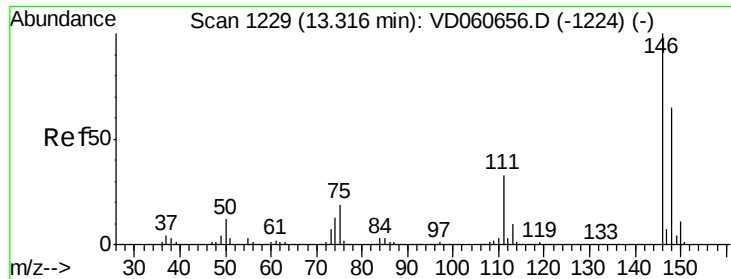
apatel  
 12/28/2018 9:47:08 AM



#86  
 p-Isopropyltoluene  
 Concen: 21.179 ug/l  
 RT: 13.33 min Scan# 1230  
 Delta R.T. -0.02 min  
 Lab File: VD060723.D  
 Acq: 27 Dec 2018 13:43

Tgt Ion:119 Resp: 1145826  
 Ion Ratio Lower Upper  
 119 100  
 134 25.0 12.5 37.5  
 91 22.7 11.4 34.2





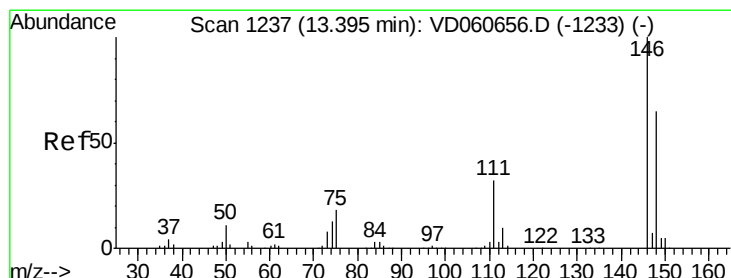
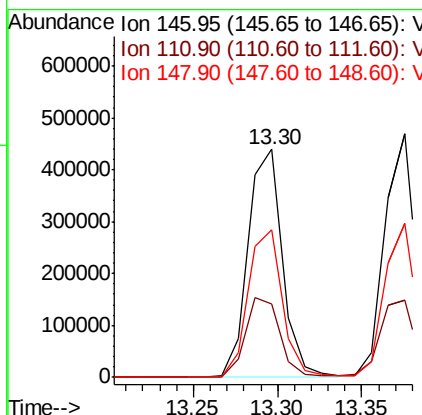
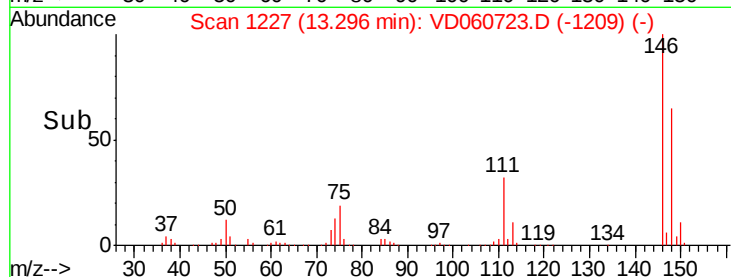
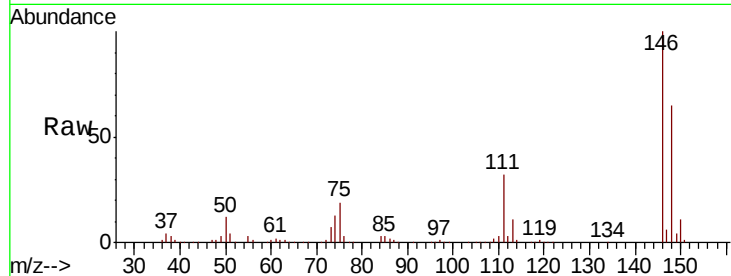
#87  
 1,3-Dichlorobenzene  
 Concen: 20.511 ug/l  
 RT: 13.30 min Scan# 1227  
 Delta R.T. -0.02 min  
 Lab File: VD060723.D  
 Acq: 27 Dec 2018 13:43

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1227SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 32.0  | 16.6  | 49.8  |
| 148     | 64.8  | 32.6  | 97.8  |

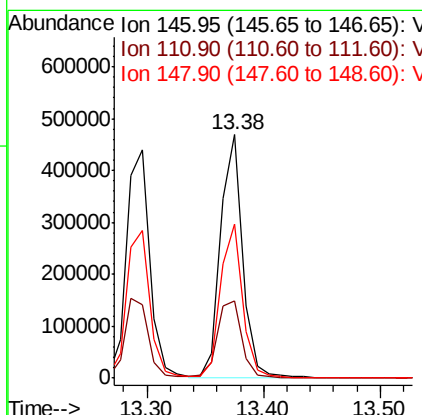
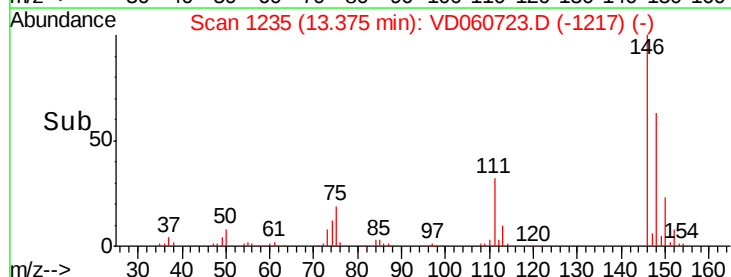
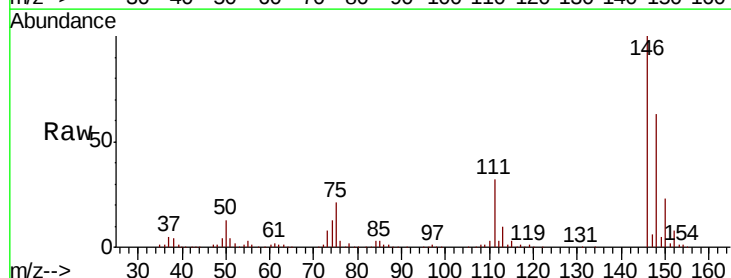
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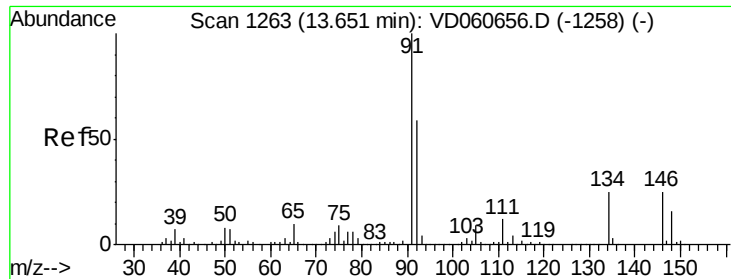
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#88  
 1,4-Dichlorobenzene  
 Concen: 20.644 ug/l  
 RT: 13.38 min Scan# 1235  
 Delta R.T. -0.02 min  
 Lab File: VD060723.D  
 Acq: 27 Dec 2018 13:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 31.6  | 16.2  | 48.5  |
| 148     | 63.3  | 32.7  | 98.1  |





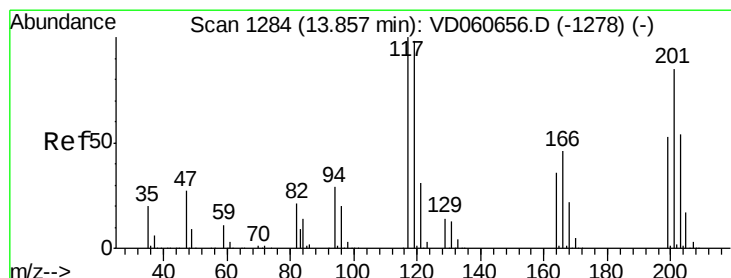
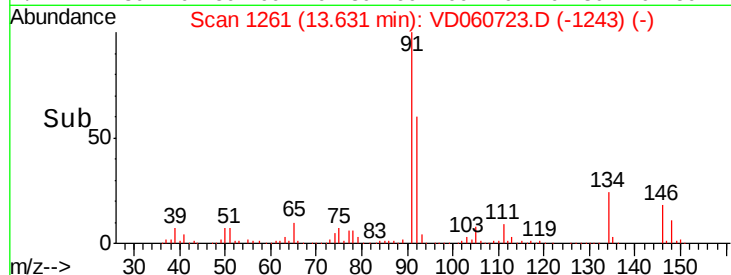
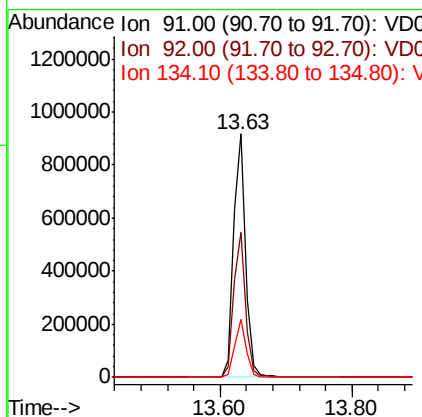
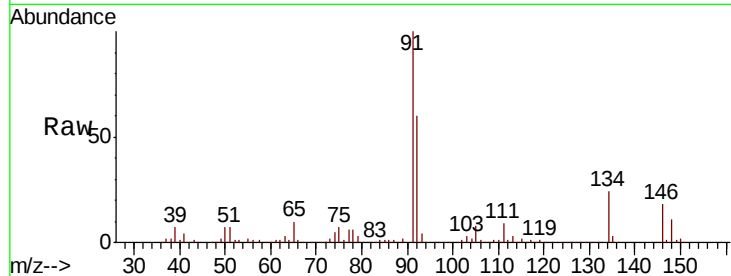
#89  
n-Butylbenzene  
Concen: 21.224 ug/l  
RT: 13.63 min Scan# 1261  
Delta R.T. -0.02 min  
Lab File: VD060723.D  
Acq: 27 Dec 2018 13:43

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1227SBS01

Tot Ion: 91 Resp: 1173423  
Ion Ratio Lower Upper  
91 100  
92 59.6 29.7 89.1  
134 24.0 12.7 38.1

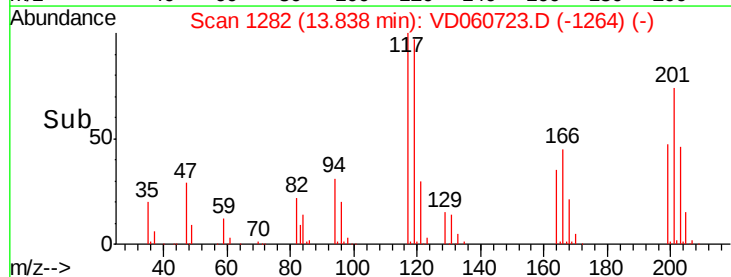
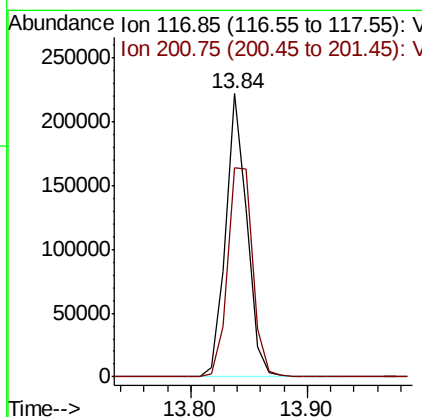
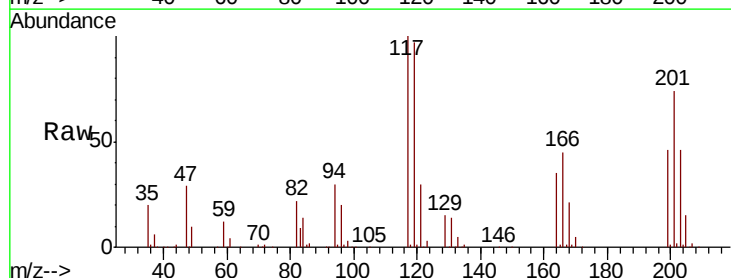
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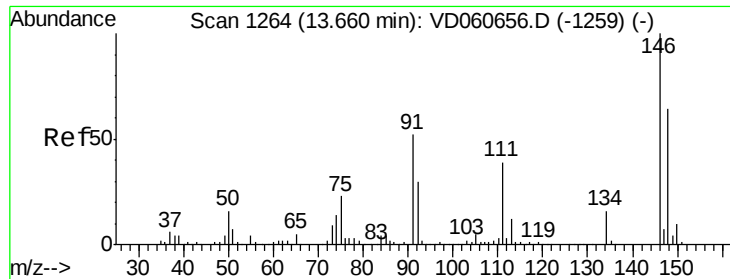
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#90  
Hexachloroethane  
Concen: 21.067 ug/l  
RT: 13.84 min Scan# 1282  
Delta R.T. -0.02 min  
Lab File: VD060723.D  
Acq: 27 Dec 2018 13:43

Tgt Ion: 117 Resp: 280003  
Ion Ratio Lower Upper  
117 100  
201 74.0 42.6 127.8





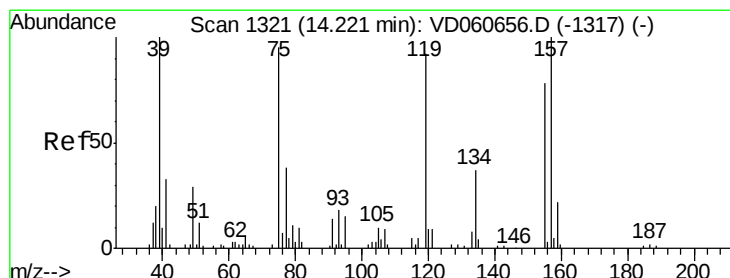
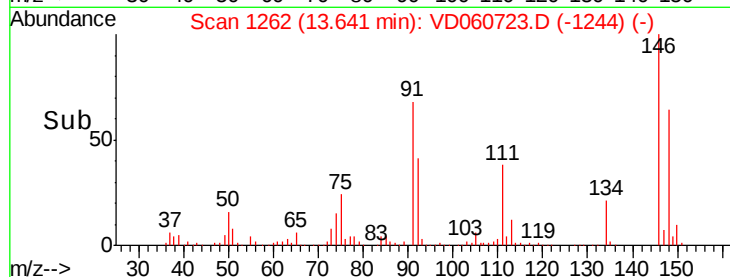
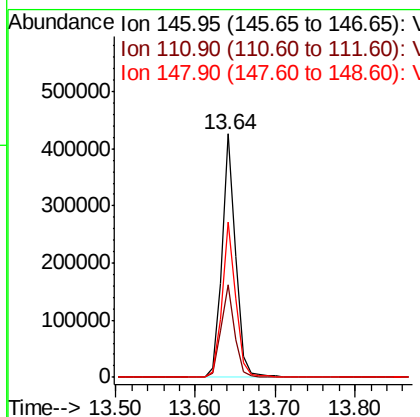
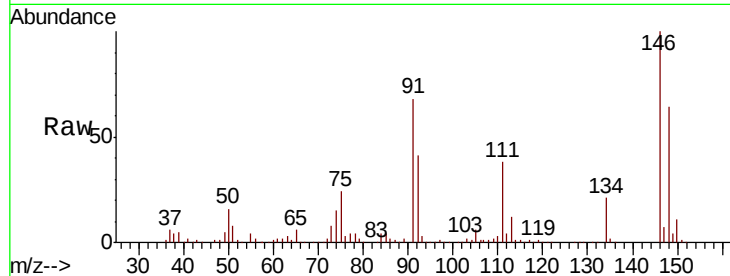
#91  
 1,2-Dichlorobenzene  
 Concen: 21.174 ug/l  
 RT: 13.64 min Scan# 1262  
 Delta R.T. -0.02 min  
 Lab File: VD060723.D  
 Acq: 27 Dec 2018 13:43

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1227SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.0  | 19.3  | 57.9  |
| 148     | 63.7  | 31.9  | 95.9  |

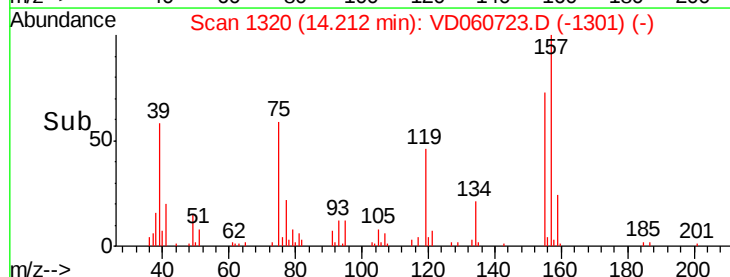
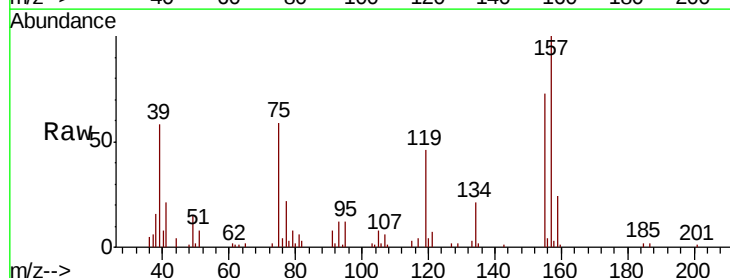
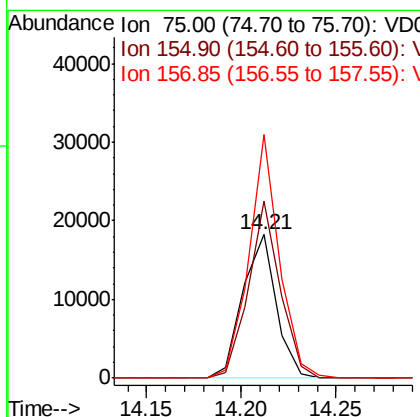
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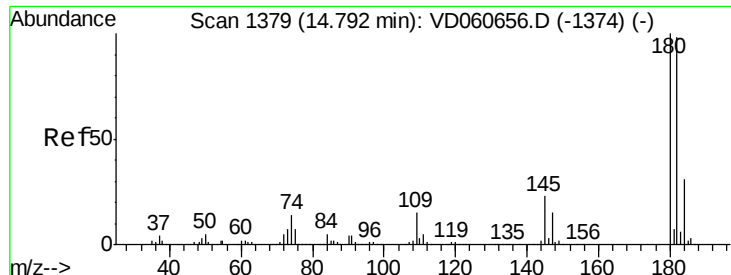
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 18.625 ug/l  
 RT: 14.21 min Scan# 1320  
 Delta R.T. -0.01 min  
 Lab File: VD060723.D  
 Acq: 27 Dec 2018 13:43

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 75      | 100   |       |        |
| 155     | 123.5 | 41.1  | 123.4# |
| 157     | 169.7 | 52.5  | 157.6# |





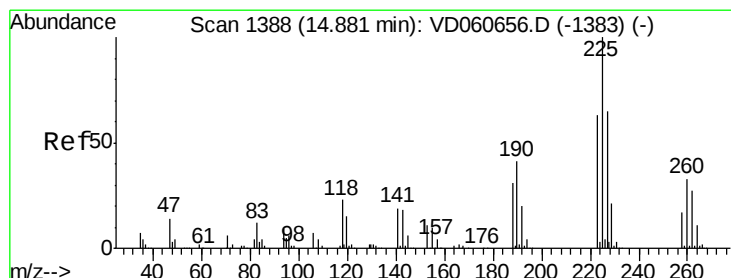
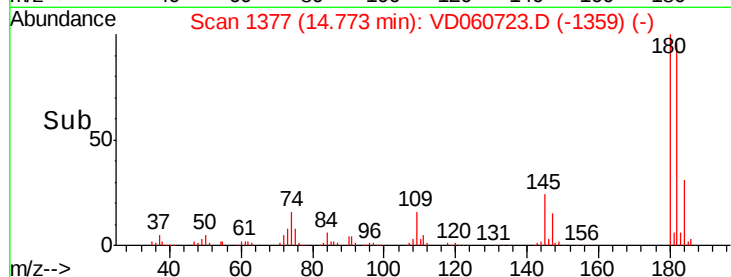
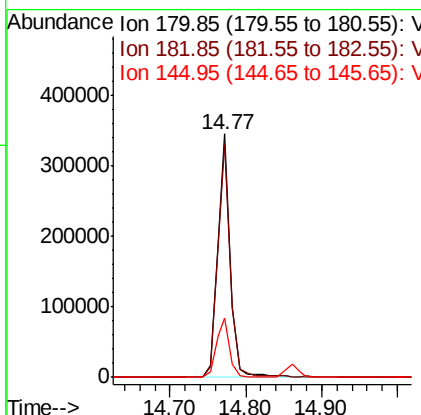
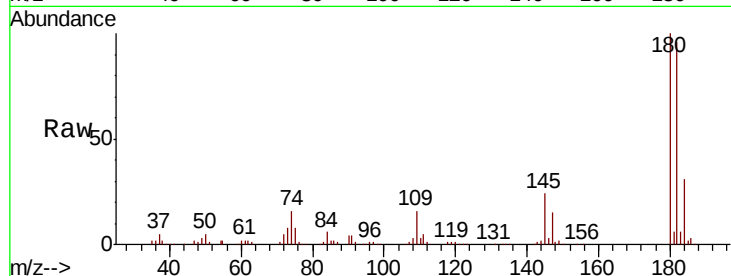
#93  
 1,2,4-Trichlorobenzene  
 Concen: 21.050 ug/l  
 RT: 14.77 min Scan# 1377  
 Delta R.T. -0.02 min  
 Lab File: VD060723.D  
 Acq: 27 Dec 2018 13:43

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1227SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.9  | 48.8  | 146.4 |
| 145     | 24.1  | 11.8  | 35.3  |

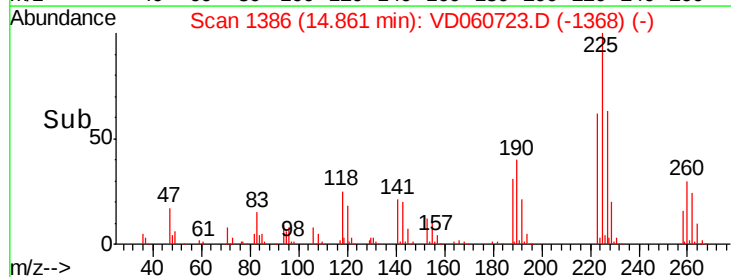
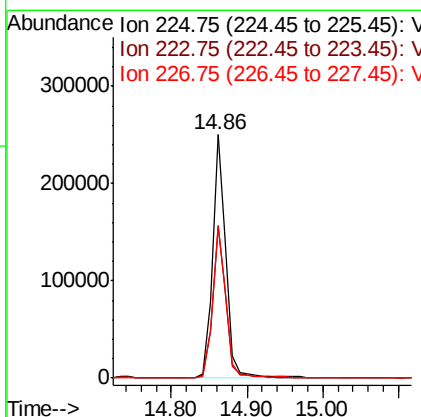
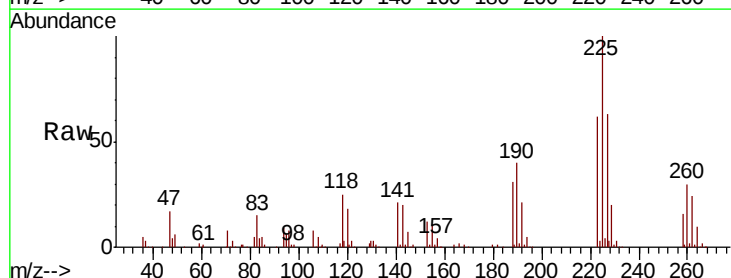
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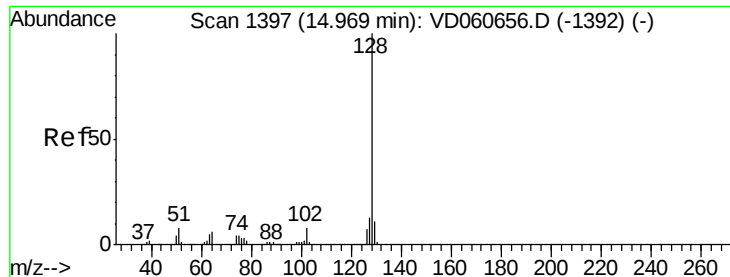
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#94  
 Hexachlorobutadiene  
 Concen: 21.978 ug/l  
 RT: 14.86 min Scan# 1386  
 Delta R.T. -0.02 min  
 Lab File: VD060723.D  
 Acq: 27 Dec 2018 13:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.2  | 31.3  | 93.8  |
| 227     | 62.6  | 32.5  | 97.4  |





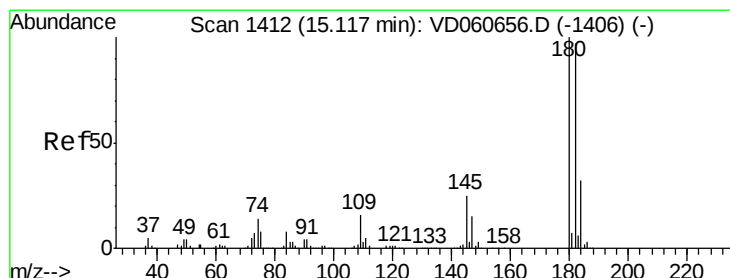
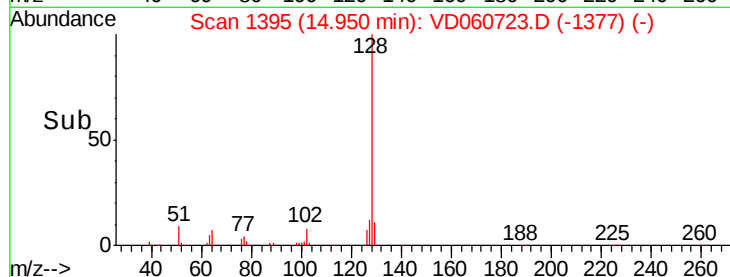
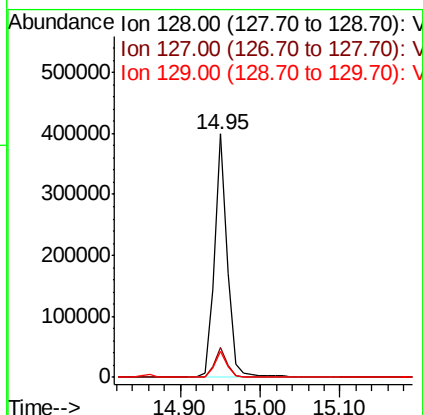
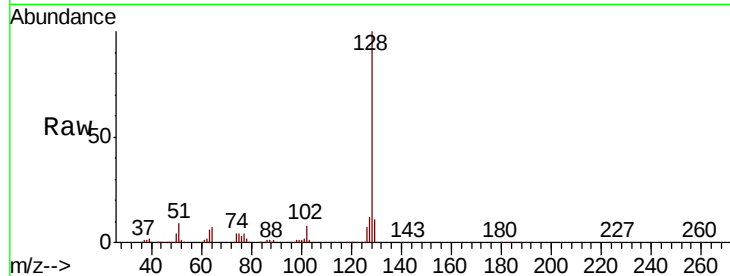
#95  
Naphthalene  
Concen: 19.815 ug/l  
RT: 14.95 min Scan# 1395  
Delta R.T. -0.02 min  
Lab File: VD060723.D  
Acq: 27 Dec 2018 13:43

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1227SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.1  | 10.1  | 15.1  |
| 129     | 10.6  | 8.6   | 13.0  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 21.625 ug/l  
RT: 15.10 min Scan# 1410  
Delta R.T. -0.02 min  
Lab File: VD060723.D  
Acq: 27 Dec 2018 13:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.9  | 48.6  | 145.9 |
| 145     | 26.0  | 12.6  | 37.8  |

