

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101718\  
 Data File : VW006144.D  
 Acq On : 18 Oct 2018 00:38  
 Operator : VA/AP  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

apatel  
 10/18/2018 4:39:48 PM

Quant Time: Oct 18 13:02:25 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W101518S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 16 05:36:33 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 279787   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 407914   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 376527   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 213229   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.31   | 65  | 121213   | 52.26 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.52% |      |
| 35) Dibromofluoromethane  | 7.88   | 113 | 122166   | 50.68 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.36% |      |
| 50) Toluene-d8            | 10.33  | 98  | 451415   | 49.23 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.46%  |      |
| 62) 4-Bromofluorobenzene  | 12.62  | 95  | 175317   | 50.90 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.80% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 2.01 | 85  | 65745   | 47.485  | ug/l | 99     |
| 3) Chloromethane              | 2.21 | 50  | 83363   | 46.774  | ug/l | 100    |
| 4) Vinyl Chloride             | 2.37 | 62  | 123980  | 48.711  | ug/l | 98     |
| 5) Bromomethane               | 2.78 | 94  | 114363  | 49.402  | ug/l | 97     |
| 6) Chloroethane               | 2.93 | 64  | 87516   | 47.981  | ug/l | 94     |
| 7) Trichlorofluoromethane     | 3.26 | 101 | 107383  | 45.290  | ug/l | 99     |
| 8) Diethyl Ether              | 3.68 | 74  | 63974   | 50.769  | ug/l | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.06 | 101 | 124527  | 50.116  | ug/l | 99     |
| 10) Methyl Iodide             | 4.27 | 142 | 217560  | 52.605  | ug/l | 99     |
| 11) Tert butyl alcohol        | 5.21 | 59  | 41050   | 263.137 | ug/l | 100    |
| 12) 1,1-Dichloroethene        | 4.03 | 96  | 118275  | 50.594  | ug/l | 95     |
| 13) Acrolein                  | 3.89 | 56  | 38608   | 255.761 | ug/l | 95     |
| 14) Allyl chloride            | 4.67 | 41  | 169357  | 50.667  | ug/l | 99     |
| 15) Acrylonitrile             | 5.37 | 53  | 125756  | 278.240 | ug/l | 99     |
| 16) Acetone                   | 4.14 | 43  | 114287  | 263.421 | ug/l | 98     |
| 17) Carbon Disulfide          | 4.38 | 76  | 341165  | 48.356  | ug/l | 100    |
| 18) Methyl Acetate            | 4.68 | 43  | 63511   | 54.408  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 5.43 | 73  | 191288  | 53.724  | ug/l | 95     |
| 20) Methylene Chloride        | 4.92 | 84  | 131892  | 53.863  | ug/l | 98     |
| 21) trans-1,2-Dichloroethene  | 5.42 | 96  | 138650  | 53.136  | ug/l | 99     |
| 22) Diisopropyl ether         | 6.31 | 45  | 350956  | 53.132  | ug/l | 98     |
| 23) Vinyl Acetate             | 6.26 | 43  | 1034981 | 265.502 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 6.21 | 63  | 227985  | 53.490  | ug/l | 99     |
| 25) 2-Butanone                | 7.18 | 43  | 168378  | 268.702 | ug/l | 100    |
| 26) 2,2-Dichloropropane       | 7.17 | 77  | 138242  | 45.987  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 7.17 | 96  | 154468  | 53.644  | ug/l | 99     |
| 28) Bromochloromethane        | 7.51 | 49  | 92806   | 56.401  | ug/l | 95     |
| 29) Tetrahydrofuran           | 7.54 | 42  | 107220  | 278.365 | ug/l | 99     |
| 30) Chloroform                | 7.68 | 83  | 252558  | 54.387  | ug/l | 100    |
| 31) Cyclohexane               | 7.96 | 56  | 197446  | 46.518  | ug/l | 97     |
| 32) 1,1,1-Trichloroethane     | 7.87 | 97  | 213653  | 51.005  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 8.08 | 75  | 189978  | 50.528  | ug/l | 100    |
| 37) Ethyl Acetate             | 7.26 | 43  | 75134   | 53.785  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 8.07 | 117 | 204895  | 49.711  | ug/l | 98     |

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 ClientSampleID :  
 VSTDCCC050

Manual Integrations  
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apatel  
 10/18/2018 4:39:48 PM

Quant Time: Oct 18 13:02:25 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W101518S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 16 05:36:33 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 9.34  | 83   | 244598   | 48.941   | ug/l   | 98       |
| 40) Benzene                    | 8.32  | 78   | 536979   | 52.066   | ug/l   | 98       |
| 41) Methacrylonitrile          | 7.49  | 41   | 45070    | 53.520   | ug/l   | 96       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 164441   | 54.269   | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.43  | 43   | 153717   | 53.819   | ug/l   | 100      |
| 44) Trichloroethene            | 9.09  | 130  | 164526   | 51.997   | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 128793   | 52.186   | ug/l   | 99       |
| 46) Dibromomethane             | 9.46  | 93   | 76882    | 54.658   | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.65  | 83   | 179344   | 52.589   | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.44  | 41   | 75195    | 55.540   | ug/l   | 98       |
| 49) 1,4-Dioxane                | 9.47  | 88   | 24337    | 1123.887 | ug/l # | 98       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 389091   | 271.889  | ug/l   | 99       |
| 52) Toluene                    | 10.39 | 92   | 360317   | 52.111   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.61 | 75   | 177227   | 52.161   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 10.07 | 75   | 202368   | 51.895   | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 106338   | 54.023   | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 133413   | 55.287   | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 175951   | 53.998   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.93  | 63   | 235117   | 254.988  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.98 | 43   | 272397   | 266.652  | ug/l   | 99       |
| 60) Dibromochloromethane       | 11.13 | 129  | 132215   | 53.925   | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.24 | 107  | 107656   | 54.737   | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.87 | 164  | 156703   | 53.610   | ug/l   | 99       |
| 65) Chlorobenzene              | 11.66 | 112  | 422259   | 52.387   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.73 | 131  | 150986   | 52.710   | ug/l   | 100      |
| 67) Ethyl Benzene              | 11.74 | 91   | 725216   | 51.917   | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.85 | 106  | 570594   | 103.346  | ug/l   | 100      |
| 69) o-Xylene                   | 12.17 | 106  | 274317   | 52.133   | ug/l   | 100      |
| 70) Styrene                    | 12.19 | 104  | 453623   | 53.015   | ug/l   | 100      |
| 71) Bromoform                  | 12.35 | 173  | 84585    | 52.941   | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.47 | 105  | 764257   | 50.734   | ug/l   | 100      |
| 74) N-amyl acetate             | 12.28 | 43   | 153921   | 52.607   | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.72 | 83   | 122977   | 53.675   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 97955m   | 60.145   | ug/l   |          |
| 77) Bromobenzene               | 12.75 | 156  | 194599   | 52.742   | ug/l   | 99       |
| 78) n-propylbenzene            | 12.81 | 91   | 885949   | 50.551   | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.90 | 91   | 508508   | 51.641   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.95 | 105  | 652319   | 51.367   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.52 | 75   | 33937    | 49.810   | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 539188   | 52.272   | ug/l   | 100      |
| 83) tert-Butylbenzene          | 13.21 | 119  | 580851   | 51.122   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.26 | 105  | 664856   | 51.738   | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.39 | 105  | 810993   | 50.524   | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.51 | 119  | 742070   | 51.111   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.51 | 146  | 384184   | 52.319   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 379108   | 51.853   | ug/l   | 100      |
| 89) n-Butylbenzene             | 13.83 | 91   | 669613   | 50.431   | ug/l   | 99       |
| 90) Hexachloroethane           | 14.10 | 117  | 122245   | 49.708   | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene        | 13.88 | 146  | 342573   | 52.302   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.49 | 75   | 21383    | 52.127   | ug/l   | 97       |

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Misc : 5.00G/5ML/MSVOA W/SOIL  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
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10/18/2018 4:39:48 PM

Quant Time: Oct 18 13:02:25 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W101518S.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 16 05:36:33 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.14 | 180  | 262786   | 52.142 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.24 | 225  | 160446   | 50.678 | ug/l  | 99       |
| 95) Naphthalene            | 15.38 | 128  | 457333   | 54.550 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.57 | 180  | 230884   | 52.965 | ug/l  | 99       |

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

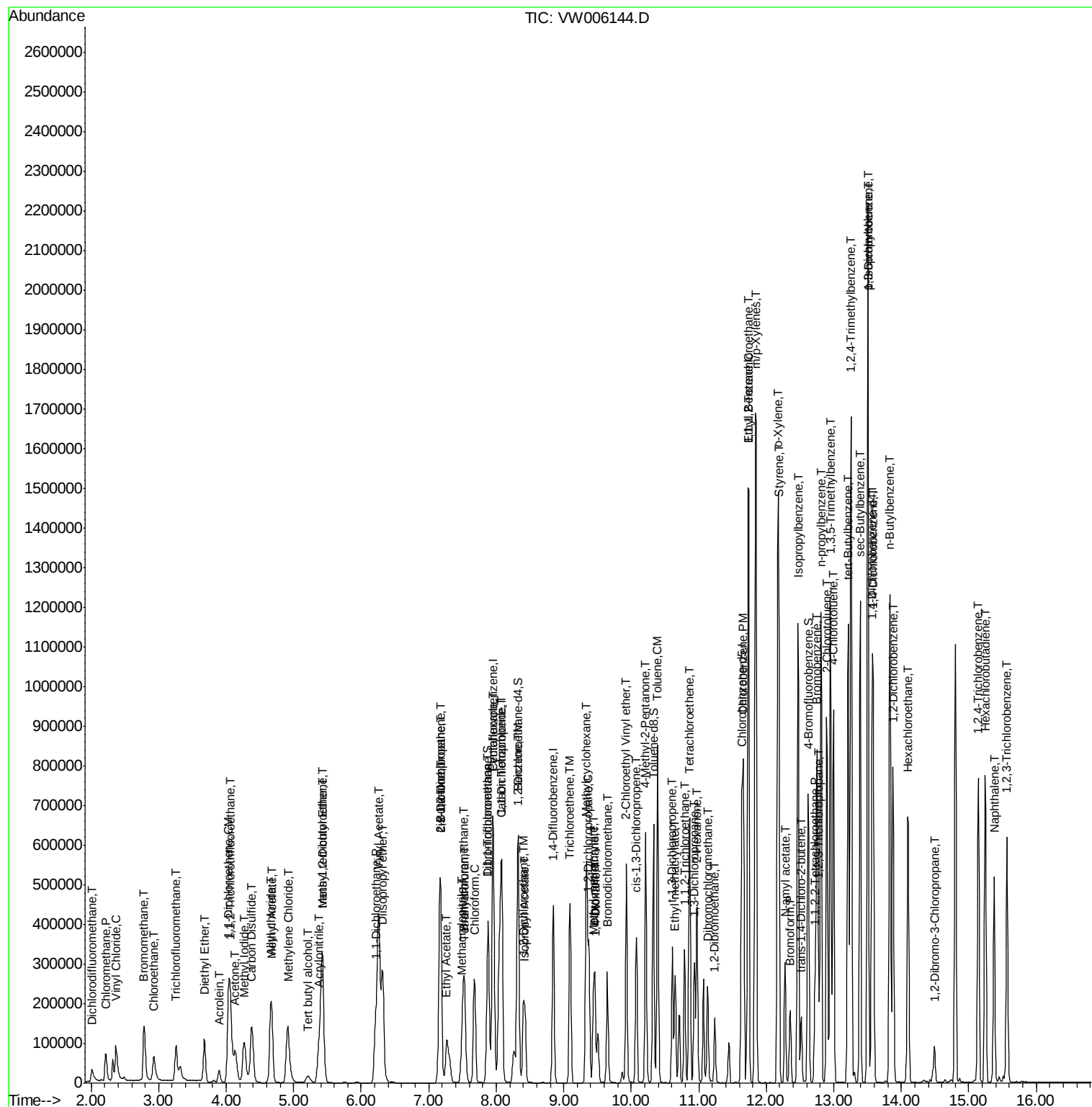
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 Data File : VW006144.D  
 Acq On : 18 Oct 2018 00:38  
 Operator : VA/AP  
 Sample : VSTDCCC050  
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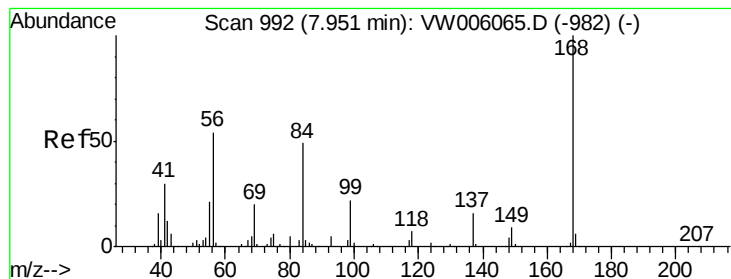
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
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 10/18/2018 4:39:48 PM

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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006144.D

Acq: 18 Oct 2018 00:38

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 279787

Ion Ratio Lower Upper

168 100

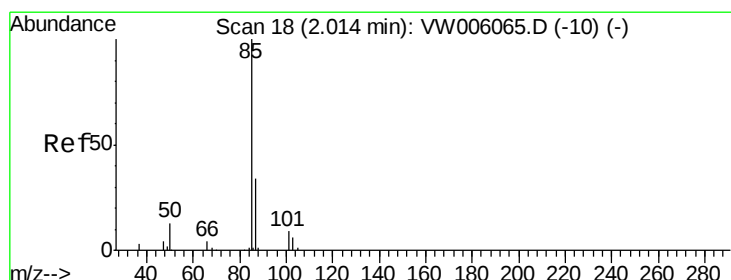
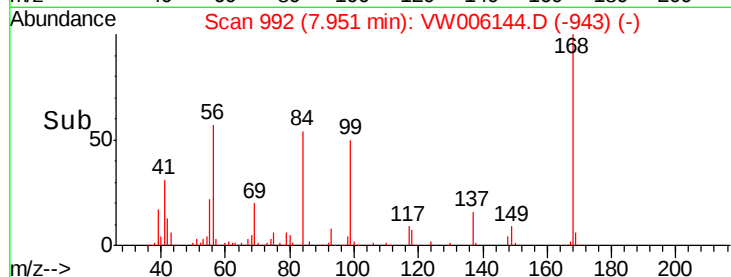
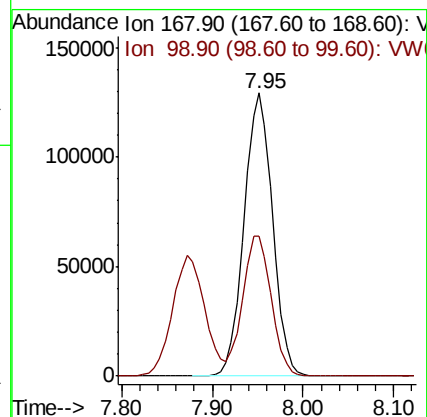
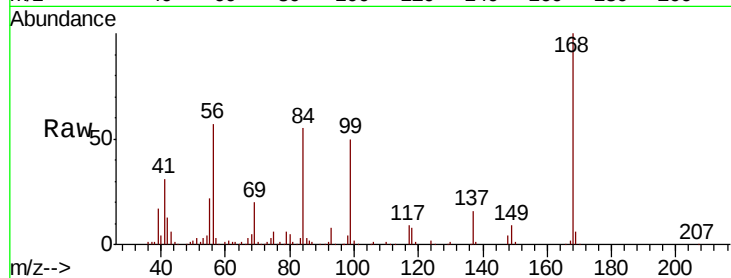
99 49.6 39.9 59.9

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 47.485 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW006144.D

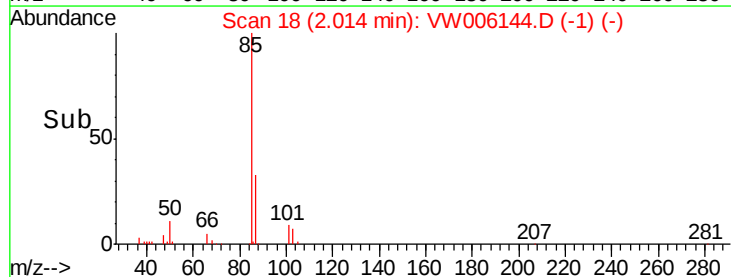
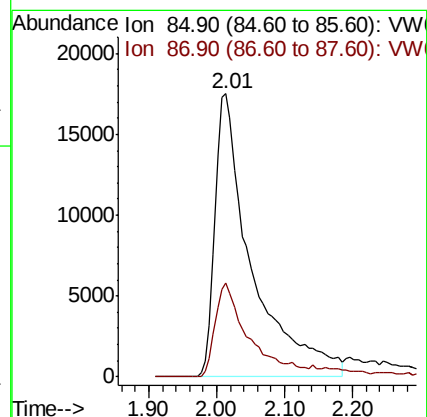
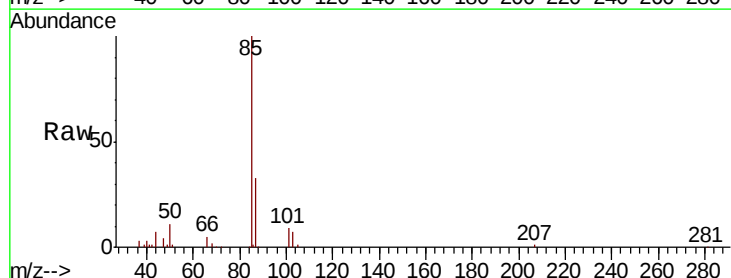
Acq: 18 Oct 2018 00:38

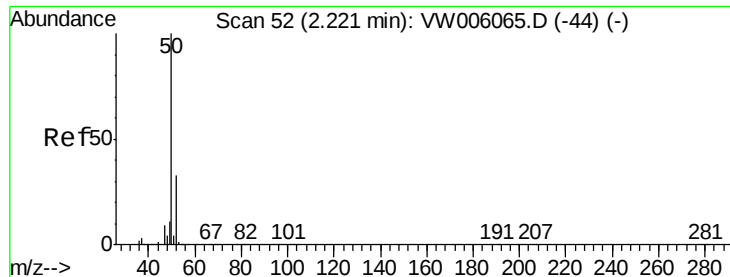
Tgt Ion: 85 Resp: 65745

Ion Ratio Lower Upper

85 100

87 33.1 16.9 50.6





#3

Chloromethane

Concen: 46.774 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006144.D

Acq: 18 Oct 2018 00:38

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 83363

Ion Ratio Lower Upper

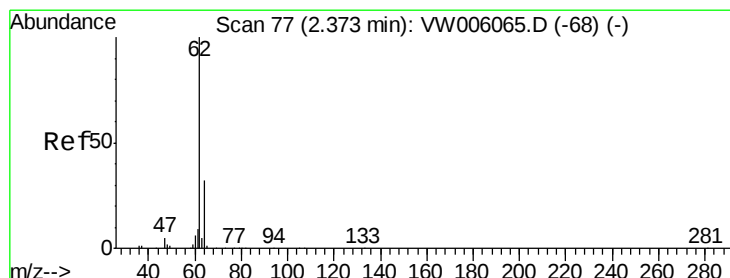
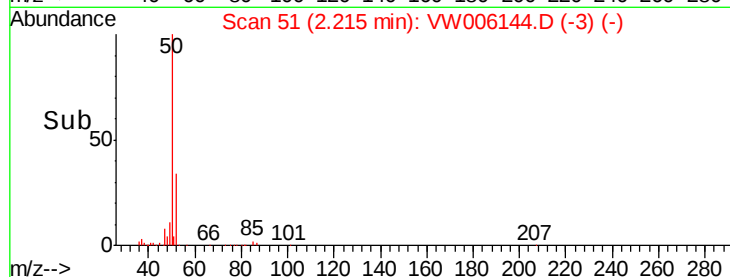
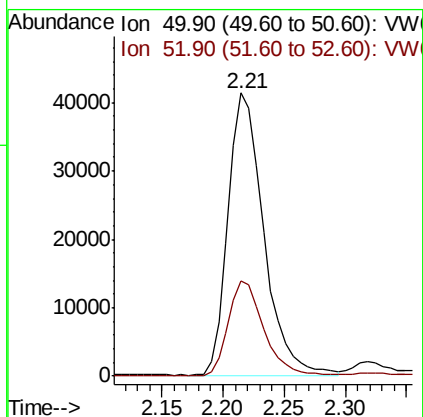
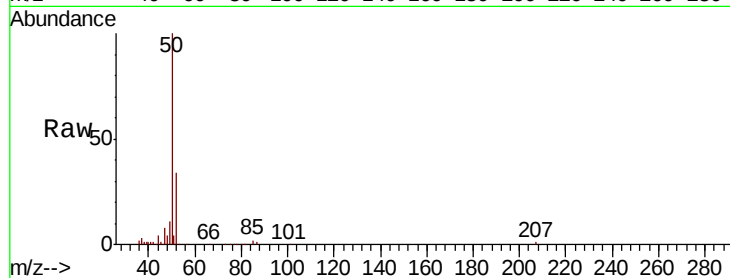
50 100

52 33.7 26.8 40.2

Manual Integrations  
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#4

Vinyl Chloride

Concen: 48.711 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006144.D

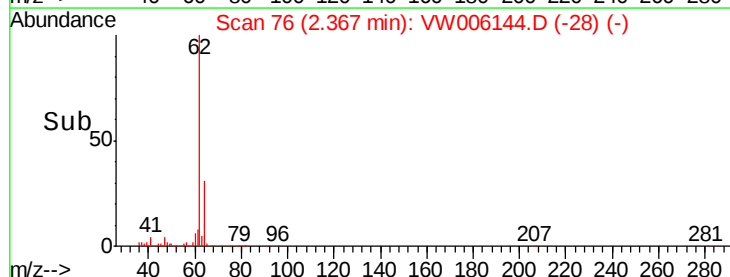
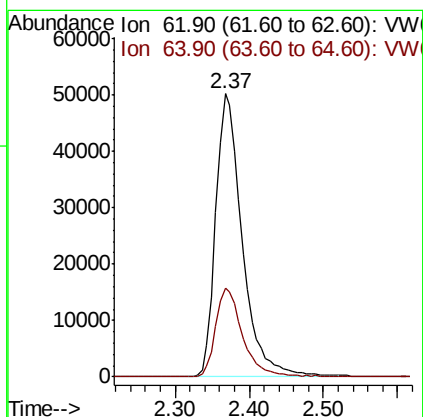
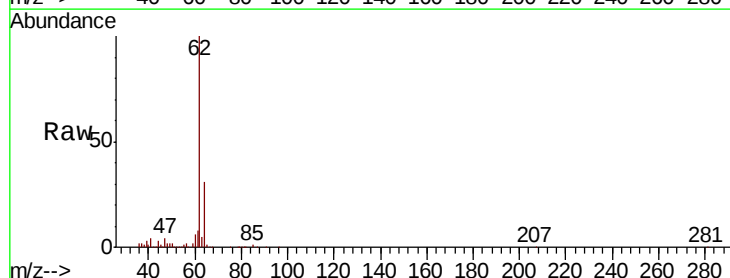
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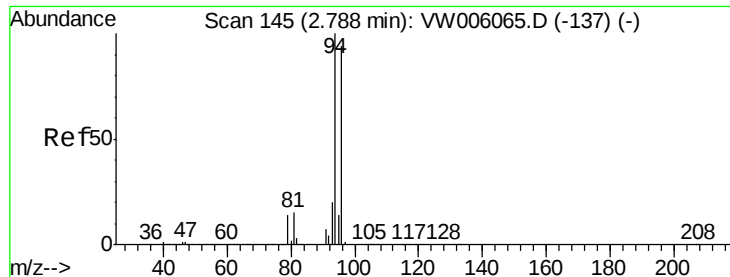
Tgt Ion: 62 Resp: 123980

Ion Ratio Lower Upper

62 100

64 31.2 25.9 38.9





#5

Bromomethane

Concen: 49.402 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW006144.D

Acq: 18 Oct 2018 00:38

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 114363

Ion Ratio Lower Upper

94 100

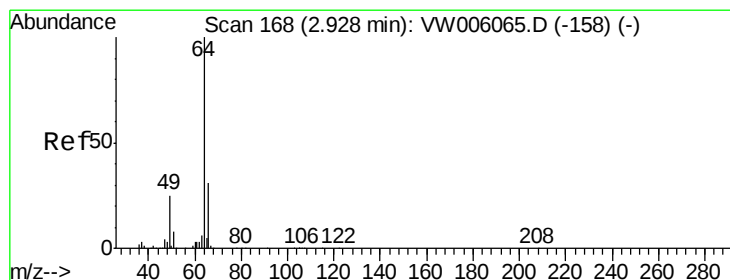
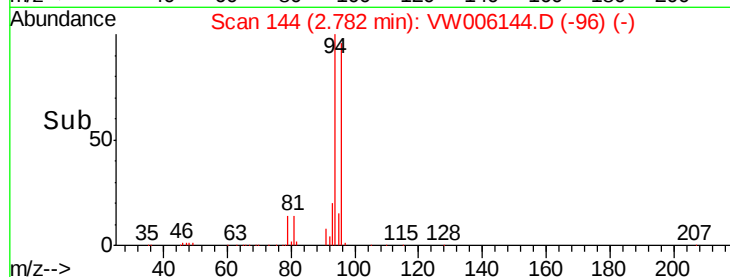
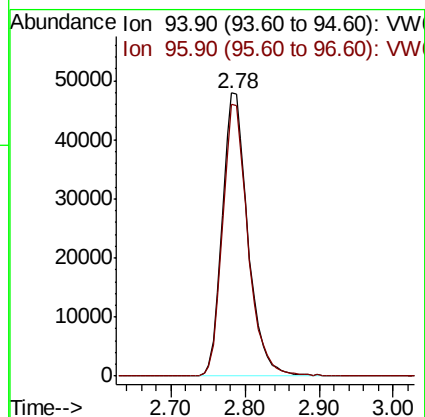
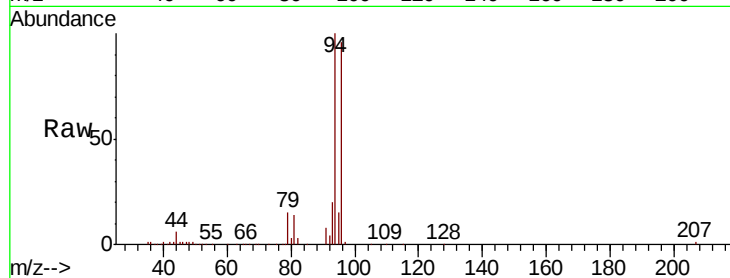
96 96.4 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 47.981 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW006144.D

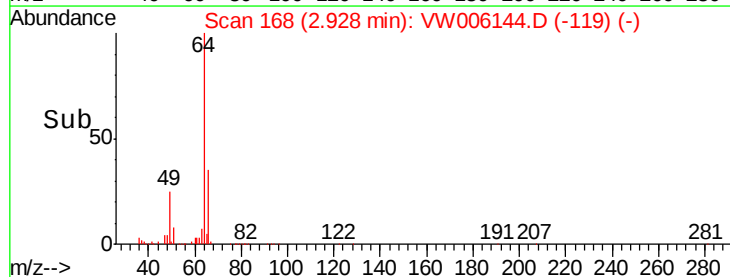
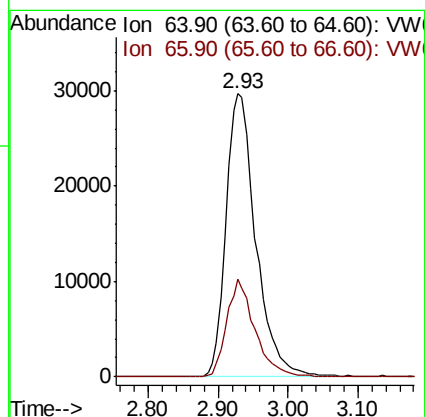
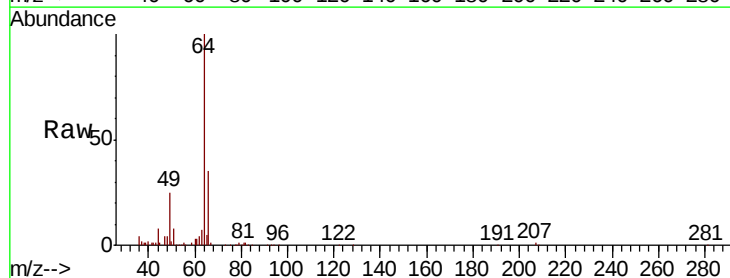
Acq: 18 Oct 2018 00:38

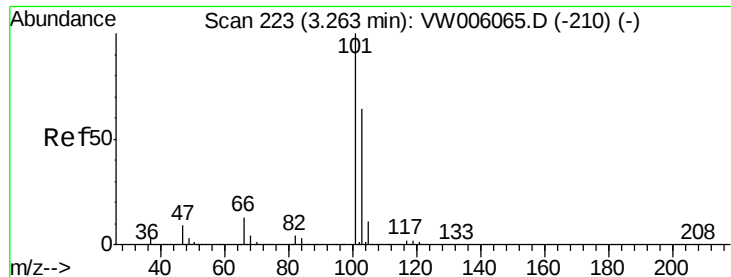
Tgt Ion: 64 Resp: 87516

Ion Ratio Lower Upper

64 100

66 34.6 24.9 37.3





#7

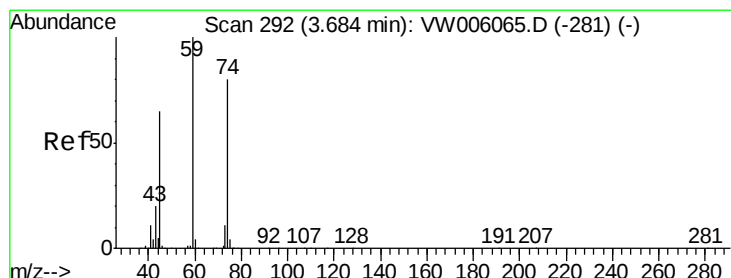
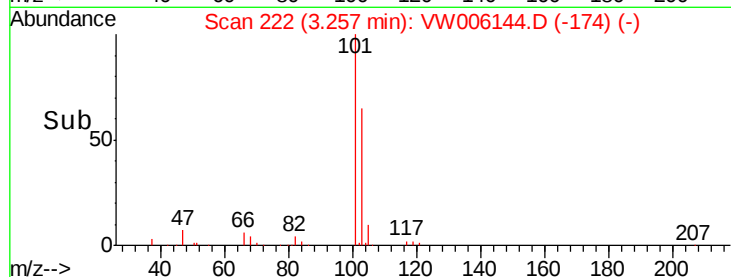
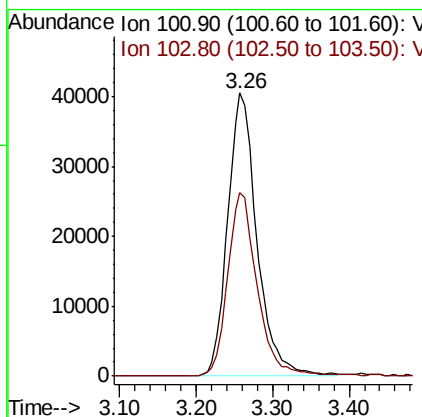
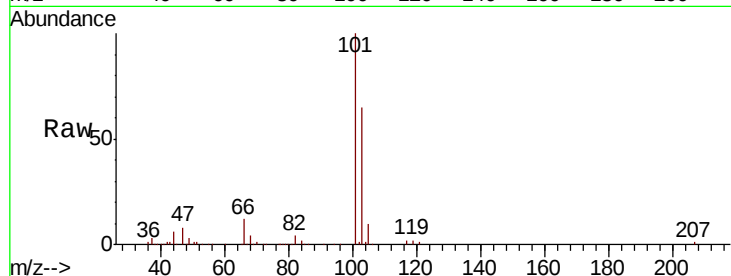
Trichlorofluoromethane  
Concen: 45.290 ug/l  
RT: 3.26 min Scan# 222  
Delta R.T. -0.01 min  
Lab File: VW006144.D  
Acq: 18 Oct 2018 00:38

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.8  | 51.2  | 76.8  |

Manual Integrations  
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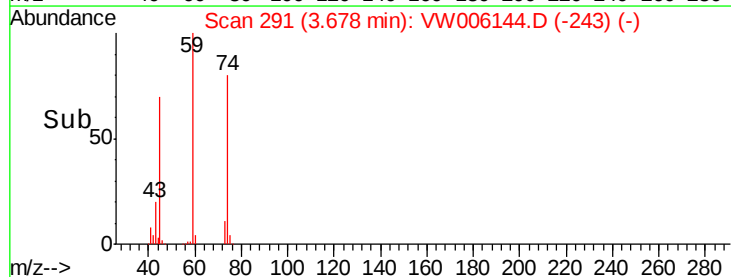
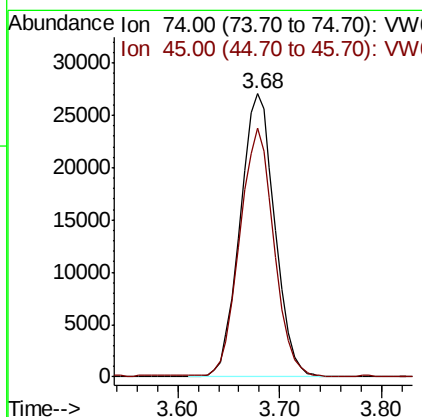
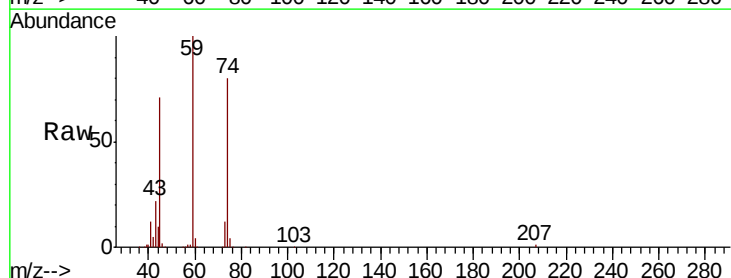
apatel  
10/18/2018 4:39:48 PM

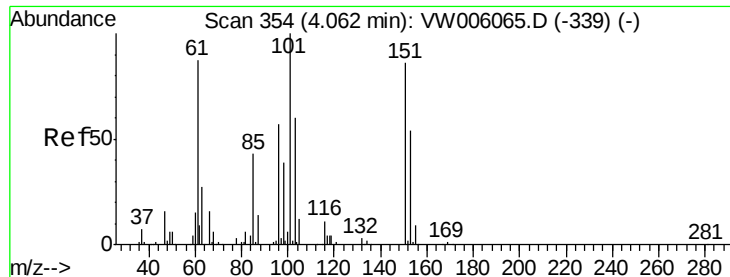


#8

Diethyl Ether  
Concen: 50.769 ug/l  
RT: 3.68 min Scan# 291  
Delta R.T. -0.01 min  
Lab File: VW006144.D  
Acq: 18 Oct 2018 00:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 87.0  | 42.8  | 128.3 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.116 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW006144.D

Acq: 18 Oct 2018 00:38

Instrument :

MSVOA\_W

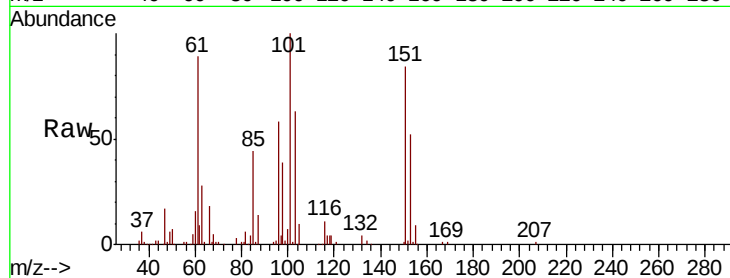
ClientSampleId :

VSTDCCC050

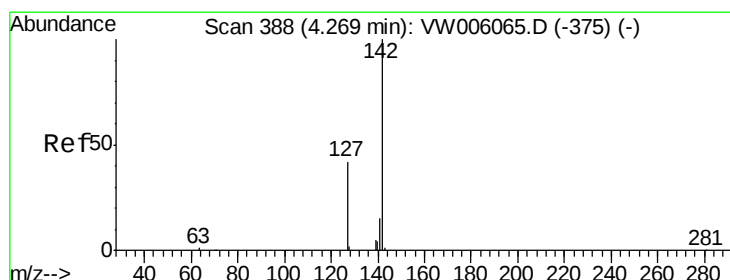
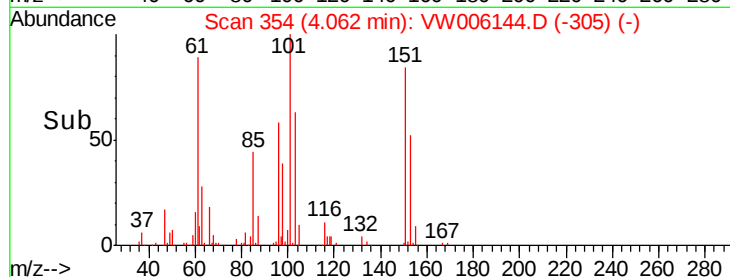
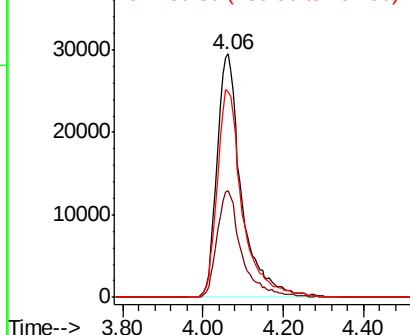
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 124527 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 43.9  | 34.9  | 52.3   |
| 151       | 87.5  | 70.4  | 105.6  |

Manual Integrations  
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Abundance Ion 100.90 (100.60 to 101.60): V  
Ion 84.90 (84.60 to 85.60): V  
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.605 ug/l

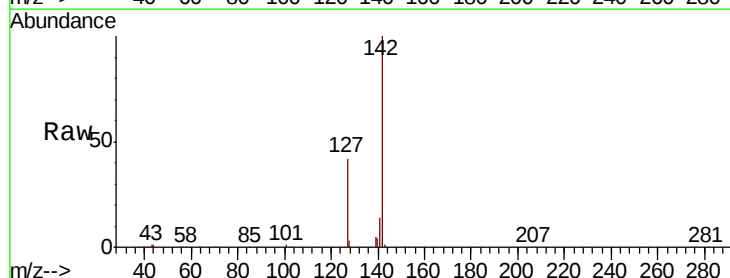
RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

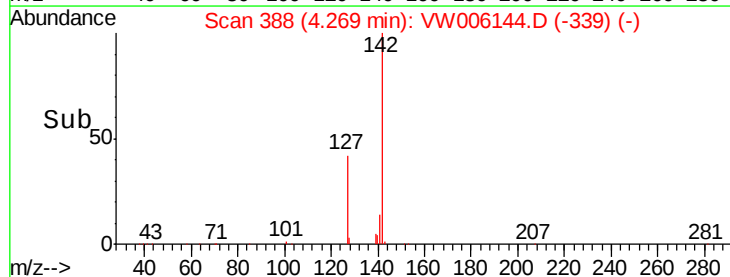
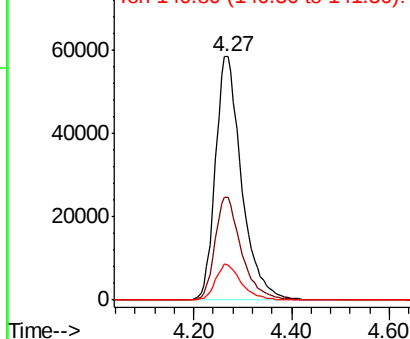
Lab File: VW006144.D

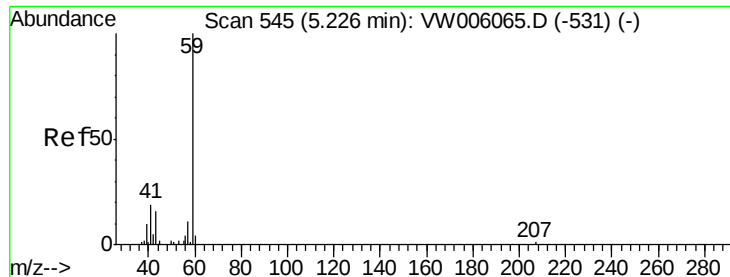
Acq: 18 Oct 2018 00:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 217560 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 42.6  | 33.6  | 50.4   |
| 141       | 14.5  | 11.6  | 17.4   |



Abundance Ion 141.80 (141.50 to 142.50): V  
Ion 126.80 (126.50 to 127.50): V  
Ion 140.80 (140.50 to 141.50): V





#11

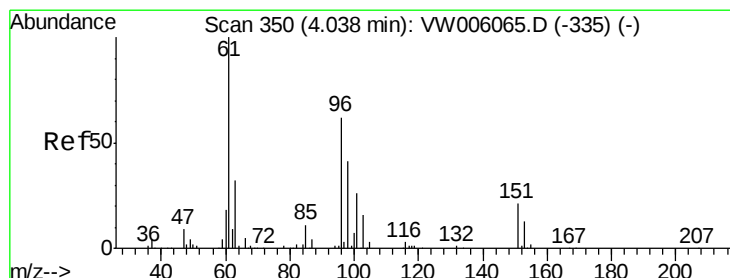
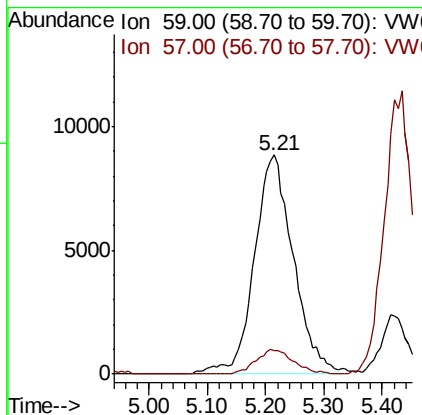
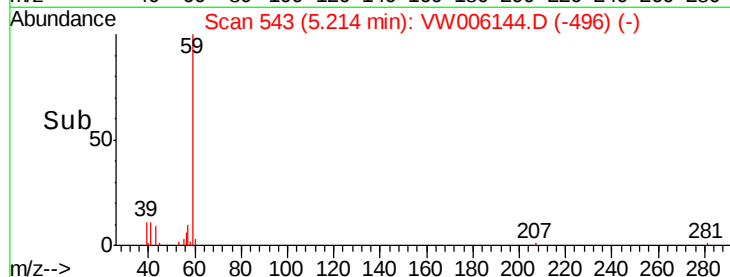
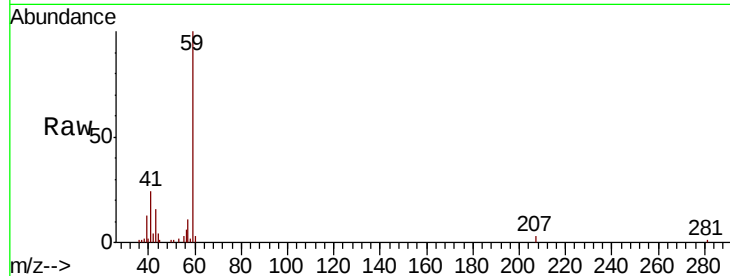
Tert butyl alcohol  
Concen: 263.137 ug/l  
RT: 5.21 min Scan# 543  
Delta R.T. -0.01 min  
Lab File: VW006144.D  
Acq: 18 Oct 2018 00:38

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

Tot Ion: 59 Resp: 41050  
Ion Ratio Lower Upper  
59 100  
57 10.8 8.7 13.1

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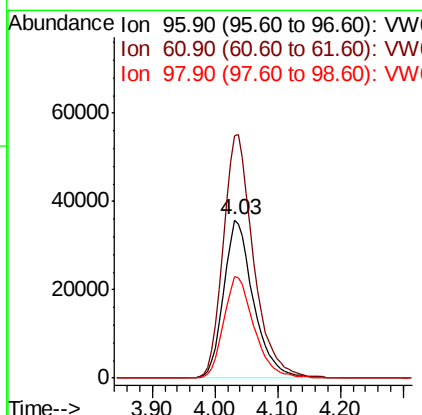
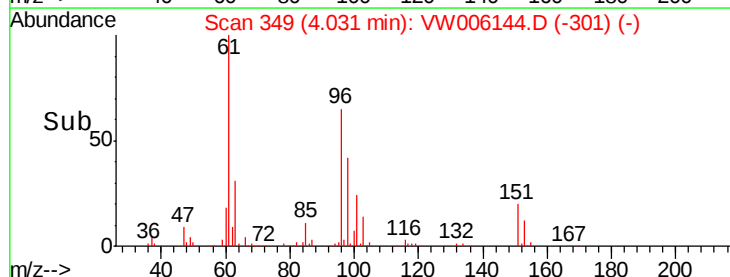
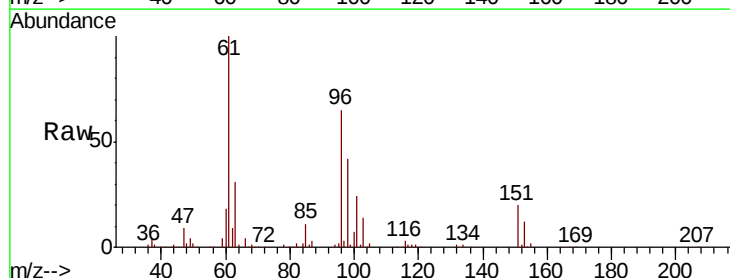
apatel  
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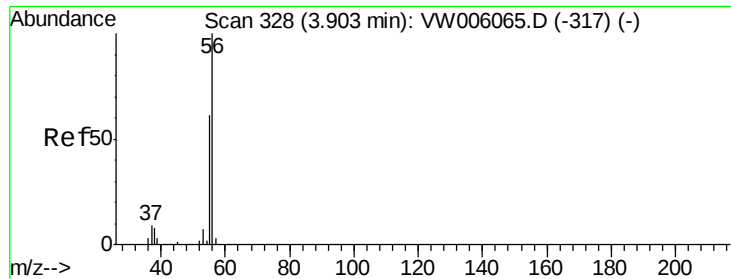


#12

1,1-Dichloroethene  
Concen: 50.594 ug/l  
RT: 4.03 min Scan# 349  
Delta R.T. -0.01 min  
Lab File: VW006144.D  
Acq: 18 Oct 2018 00:38

Tgt Ion: 96 Resp: 118275  
Ion Ratio Lower Upper  
96 100  
61 153.1 129.3 193.9  
98 63.8 53.1 79.7





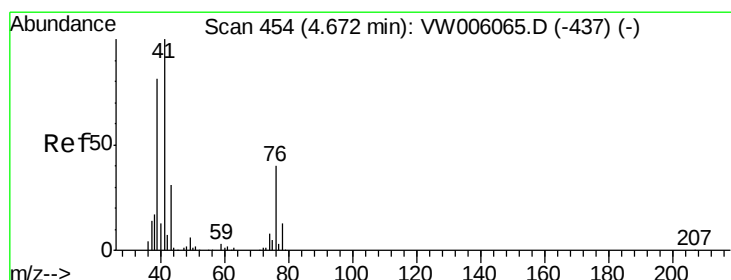
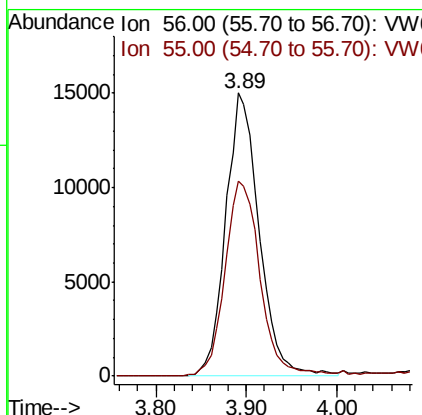
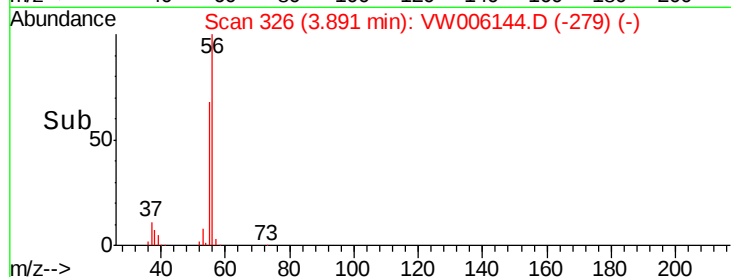
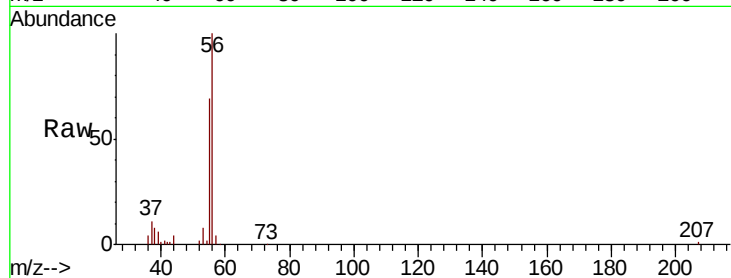
#13  
Acrolein  
Concen: 255.761 ug/l  
RT: 3.89 min Scan# 326  
Delta R.T. -0.01 min  
Lab File: VW006144.D  
Acq: 18 Oct 2018 00:38

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 55      | 72.1  | 54.5  | 81.7  |

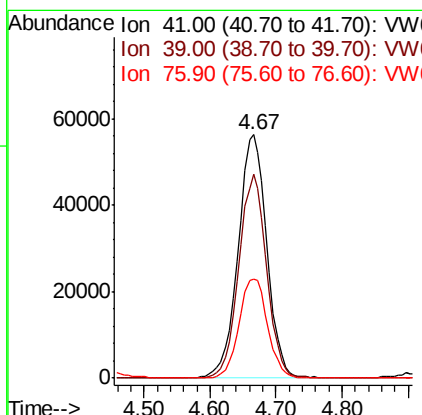
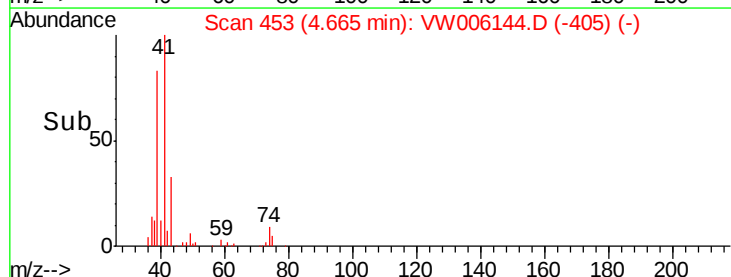
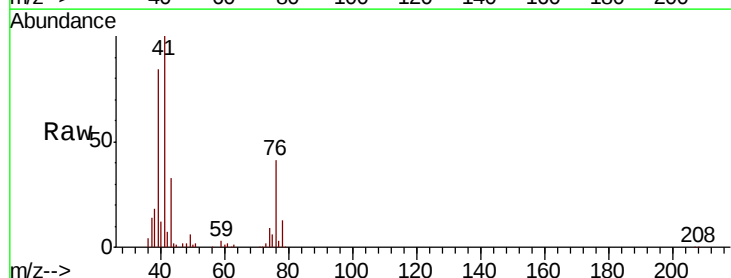
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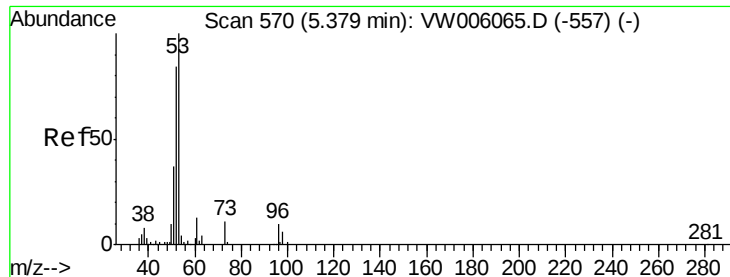
apatel  
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#14  
Allyl chloride  
Concen: 50.667 ug/l  
RT: 4.67 min Scan# 453  
Delta R.T. -0.01 min  
Lab File: VW006144.D  
Acq: 18 Oct 2018 00:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 81.2  | 64.1  | 96.1  |
| 76      | 40.6  | 32.2  | 48.4  |





#15

Acrylonitrile

Concen: 278.240 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.01 min

Lab File: VW006144.D

Acq: 18 Oct 2018 00:38

Instrument :

MSVOA\_W

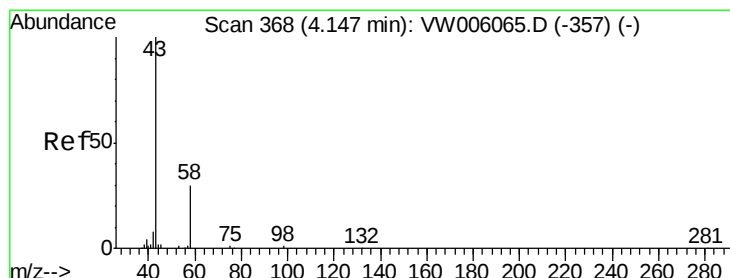
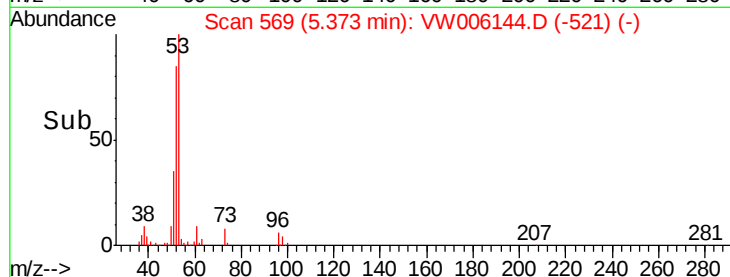
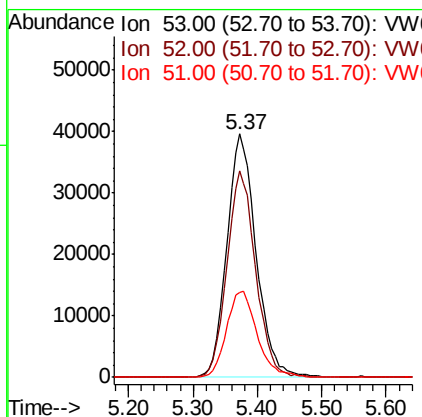
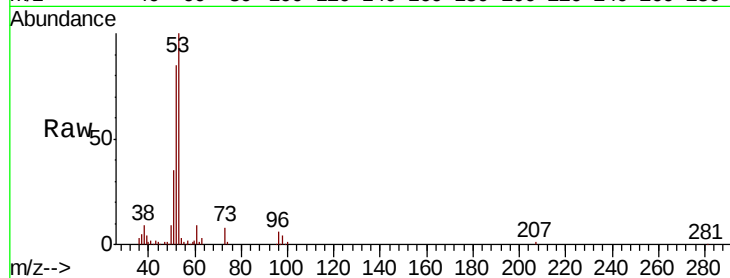
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 125756 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 83.0  | 66.9  | 100.3  |
| 51        | 37.2  | 30.1  | 45.1   |

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#16

Acetone

Concen: 263.421 ug/l

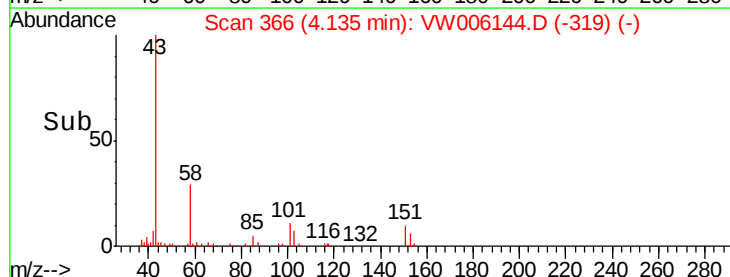
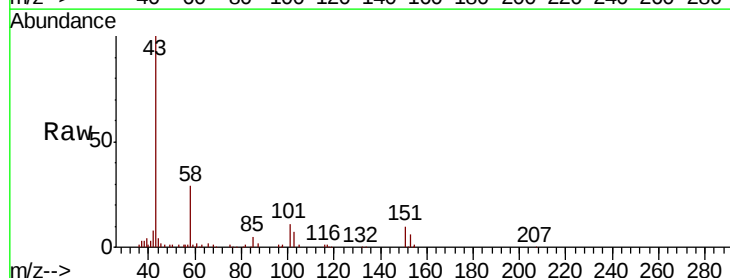
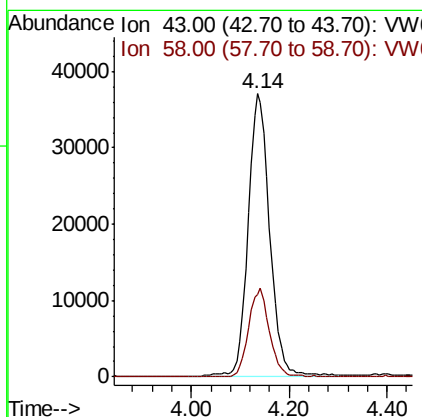
RT: 4.14 min Scan# 366

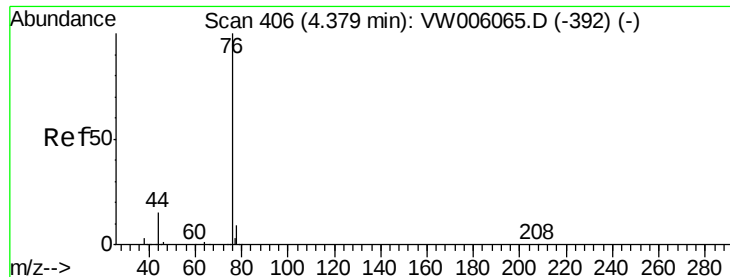
Delta R.T. -0.01 min

Lab File: VW006144.D

Acq: 18 Oct 2018 00:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 114287 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 29.0  | 24.0  | 36.0   |





#17

Carbon Disulfide

Concen: 48.356 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW006144.D

Acq: 18 Oct 2018 00:38

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 341165

Ion Ratio Lower Upper

76 100

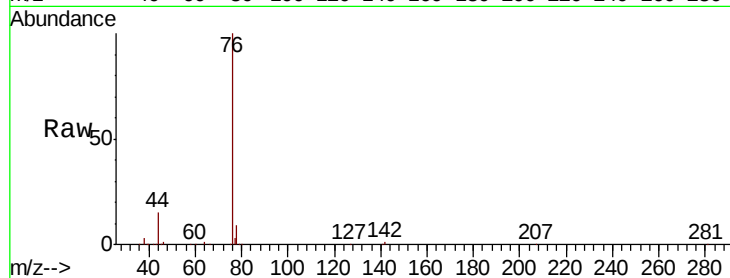
78 9.4 7.5 11.3

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

120000

100000

80000

60000

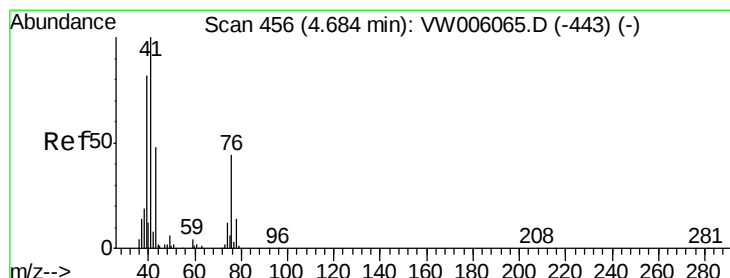
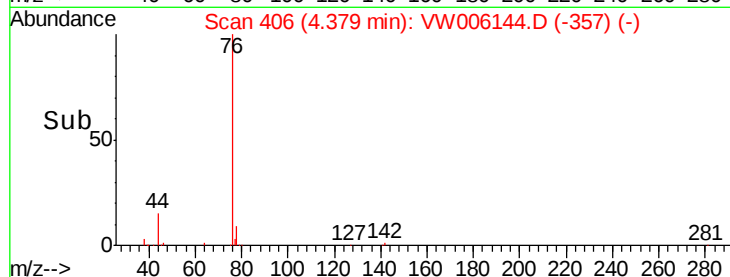
40000

20000

0

4.20 4.40 4.60

Time-->



#18

Methyl Acetate

Concen: 54.408 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW006144.D

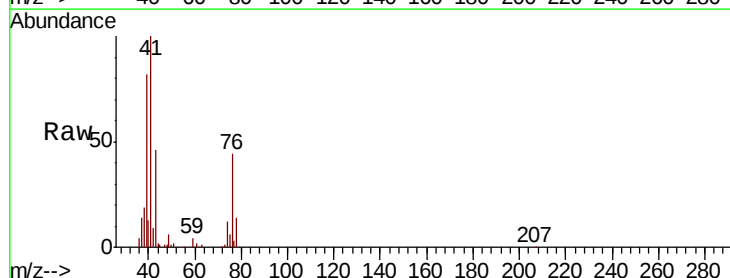
Acq: 18 Oct 2018 00:38

Tgt Ion: 43 Resp: 63511

Ion Ratio Lower Upper

43 100

74 26.2 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

25000

20000

15000

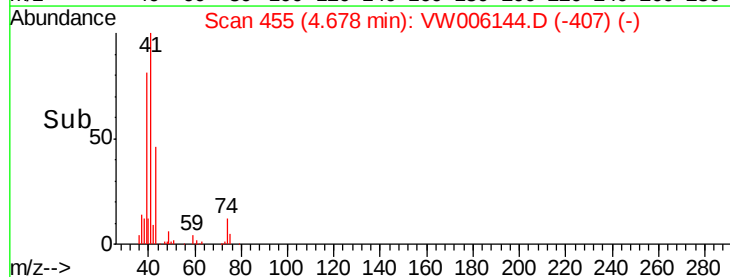
10000

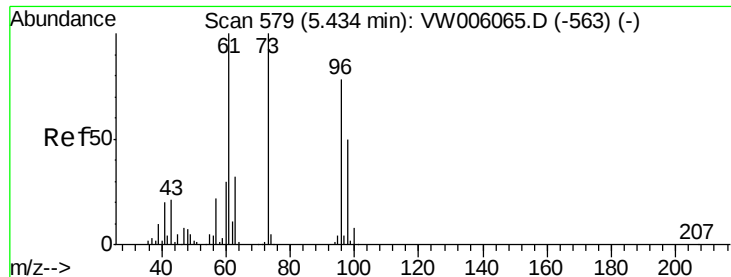
5000

0

4.50 4.60 4.70 4.80

Time-->





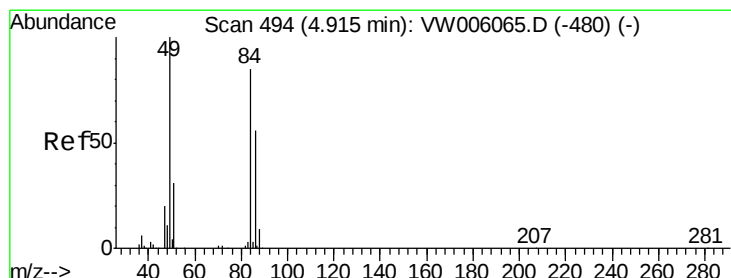
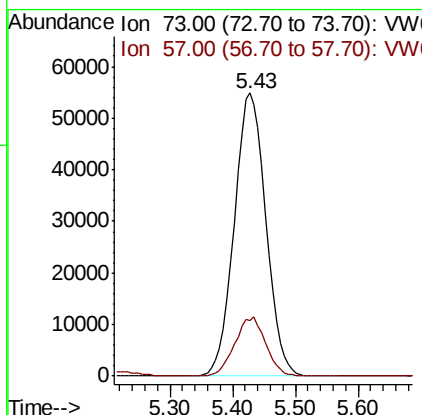
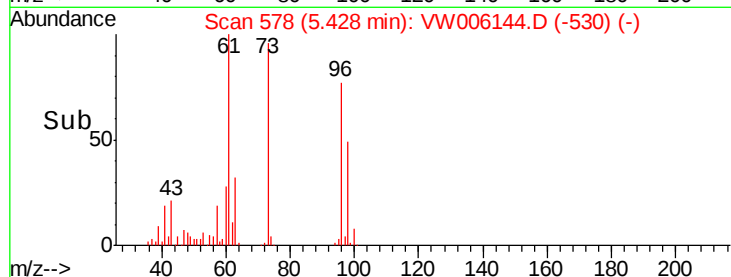
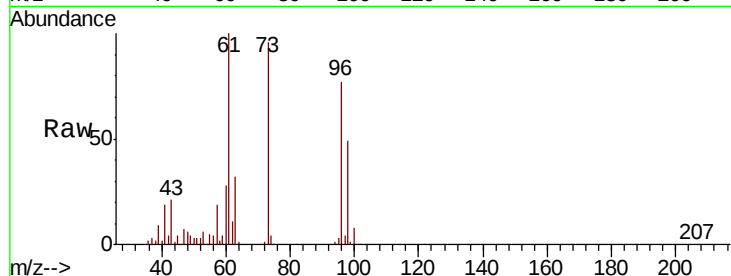
#19  
Methyl tert-butyl Ether  
Concen: 53.724 ug/l  
RT: 5.43 min Scan# 578  
Delta R.T. -0.01 min  
Lab File: VW006144.D  
Acq: 18 Oct 2018 00:38

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 19.5  | 17.4  | 26.2  |

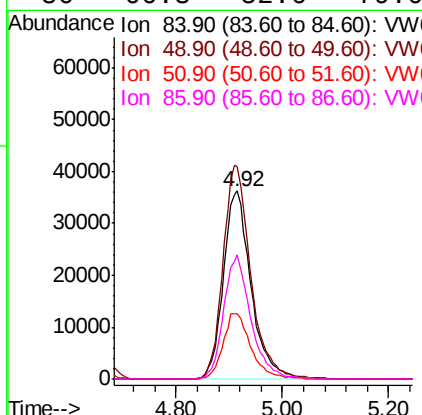
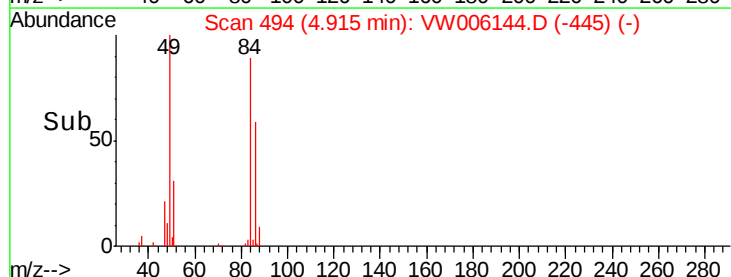
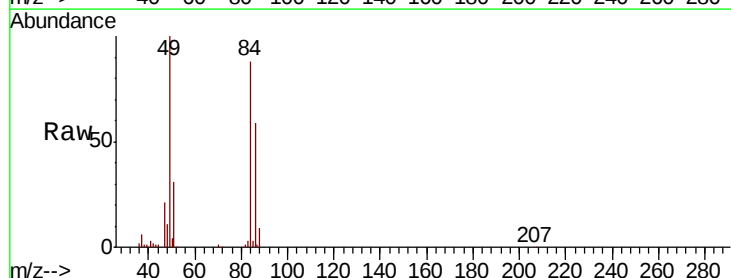
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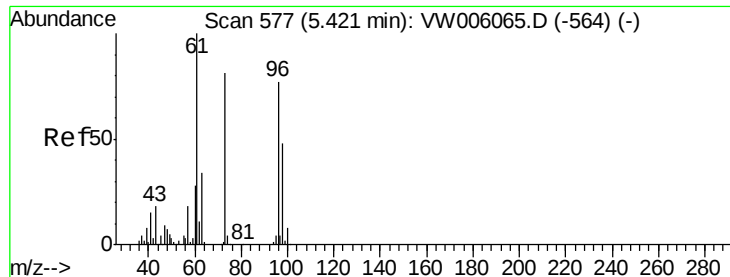
apatel  
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#20  
Methylene Chloride  
Concen: 53.863 ug/l  
RT: 4.92 min Scan# 494  
Delta R.T. 0.00 min  
Lab File: VW006144.D  
Acq: 18 Oct 2018 00:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 113.3 | 93.6  | 140.4 |
| 51      | 35.0  | 29.0  | 43.4  |
| 86      | 66.3  | 52.6  | 79.0  |





#21

trans-1,2-Dichloroethene

Concen: 53.136 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW006144.D

Acq: 18 Oct 2018 00:38

Instrument :

MSVOA\_W

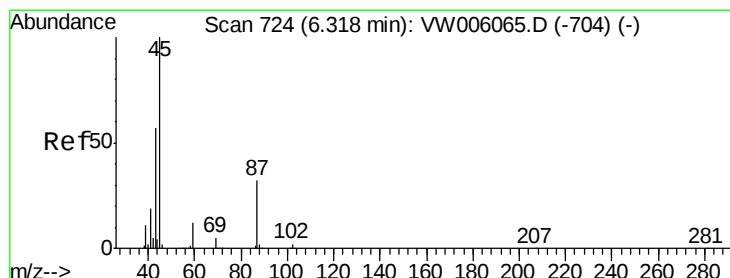
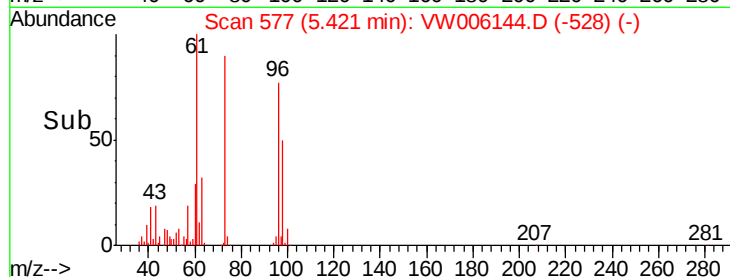
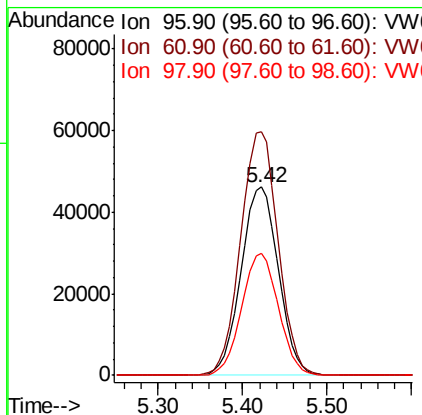
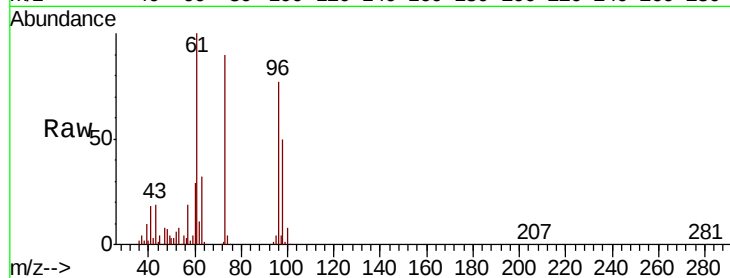
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 138650 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 129.4 | 104.5 | 156.7  |
| 98       | 65.0  | 50.6  | 75.8   |

Manual Integrations  
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#22

Diisopropyl ether

Concen: 53.132 ug/l

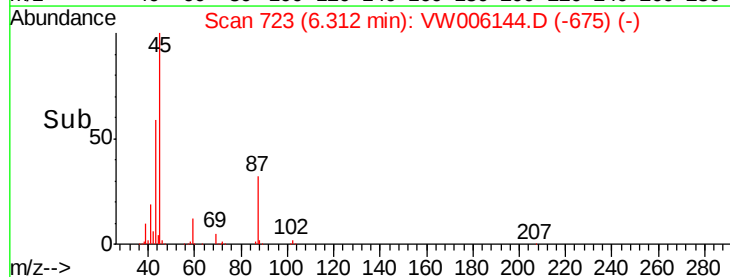
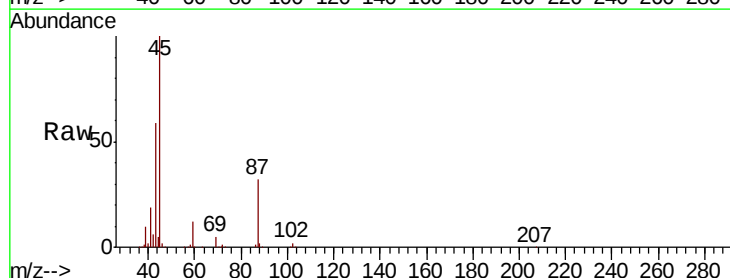
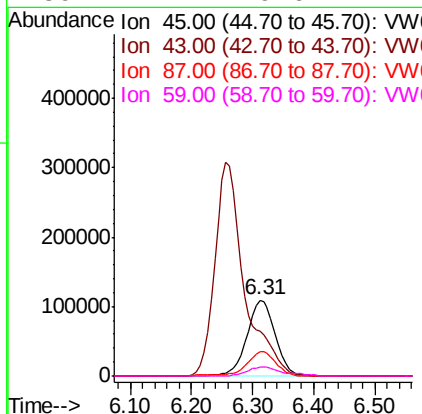
RT: 6.31 min Scan# 723

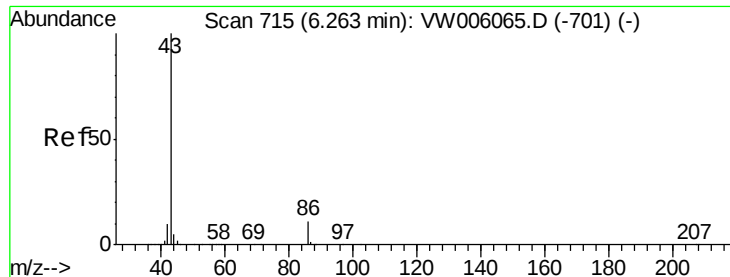
Delta R.T. -0.01 min

Lab File: VW006144.D

Acq: 18 Oct 2018 00:38

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 350956 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 59.0  | 45.7  | 68.5   |
| 87       | 32.1  | 25.9  | 38.9   |
| 59       | 12.1  | 9.6   | 14.4   |





#23

Vinyl Acetate

Concen: 265.502 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW006144.D

Acq: 18 Oct 2018 00:38

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1034981

Ion Ratio Lower Upper

43 100

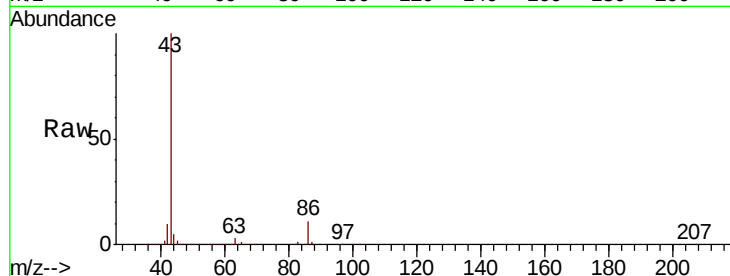
86 11.3 9.0 13.6

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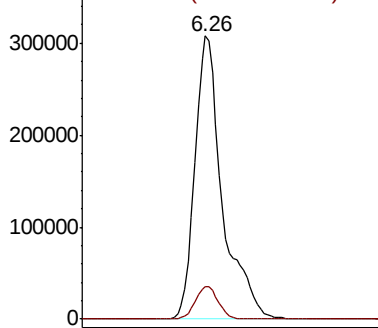
apatel

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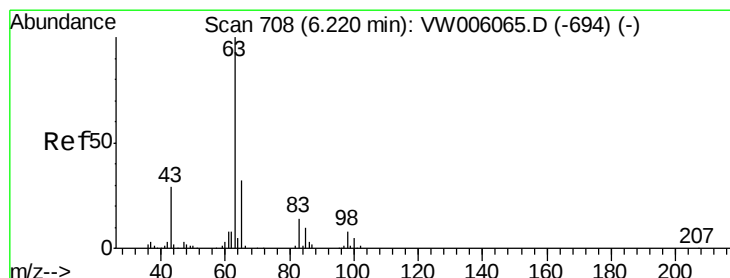
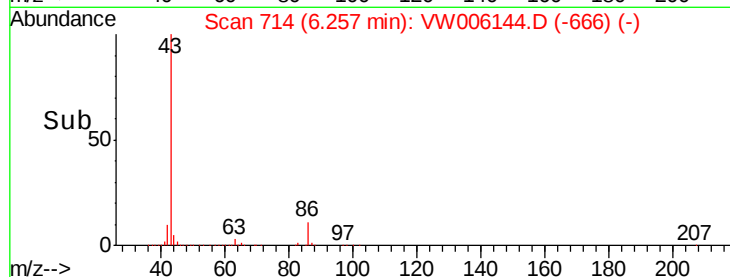


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



Time-->



#24

1,1-Dichloroethane

Concen: 53.490 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW006144.D

Acq: 18 Oct 2018 00:38

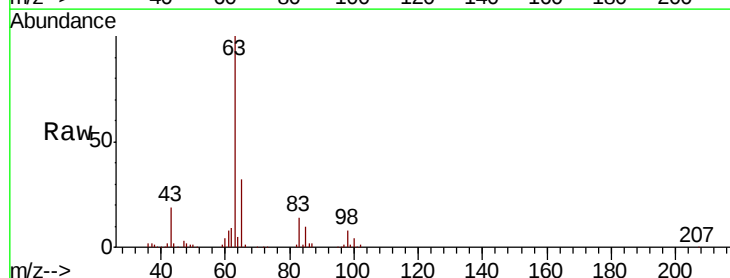
Tgt Ion: 63 Resp: 227985

Ion Ratio Lower Upper

63 100

98 7.7 3.8 11.2

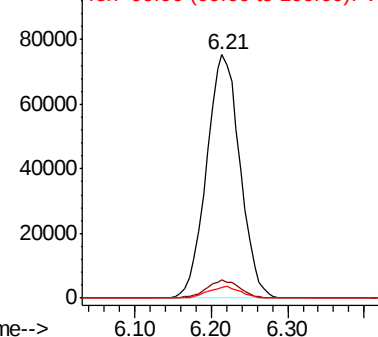
100 4.3 2.5 7.5



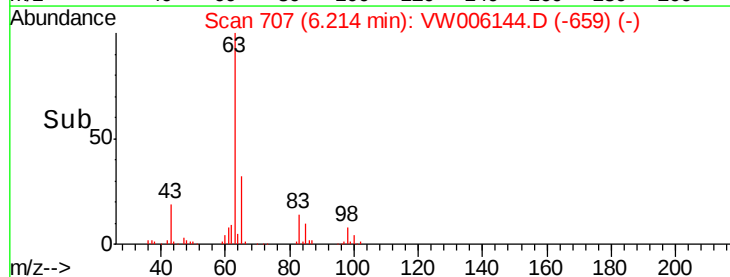
Abundance Ion 62.90 (62.60 to 63.60): VW

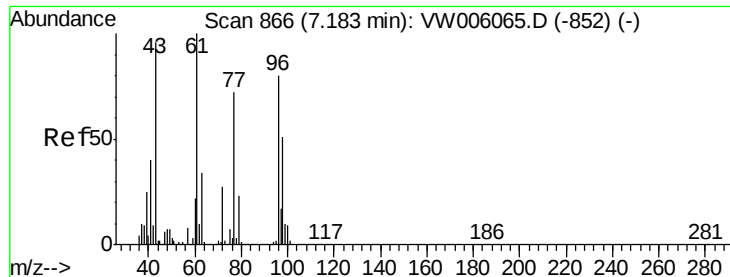
Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



Time-->





#25

2-Butanone

Concen: 268.702 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.01 min

Lab File: VW006144.D

Acq: 18 Oct 2018 00:38

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 168378

Ion Ratio Lower Upper

43 100

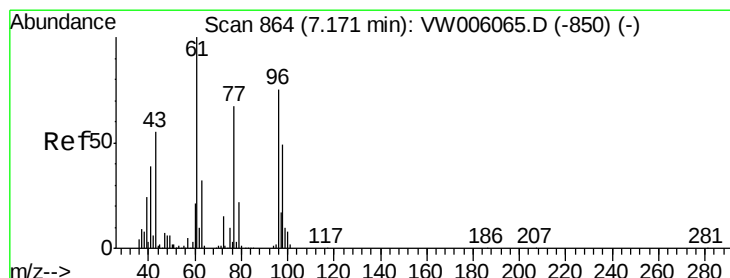
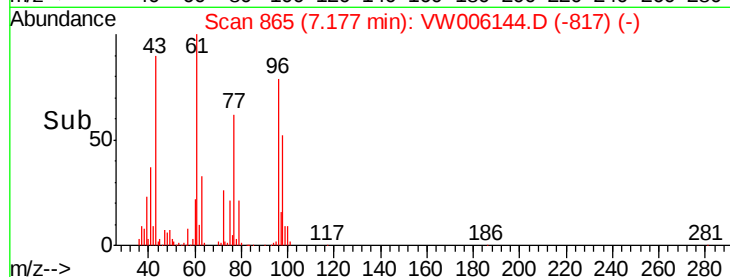
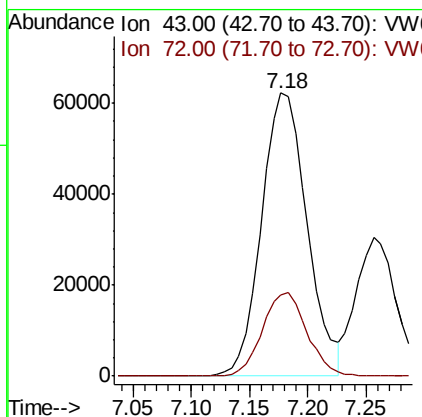
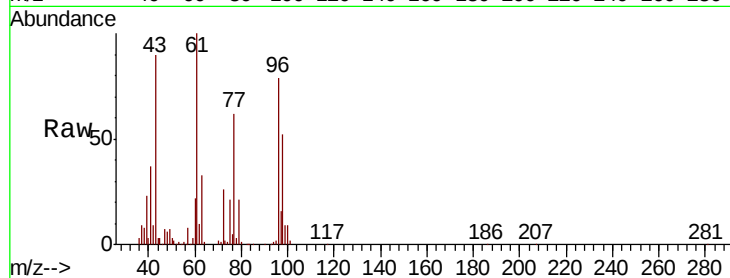
72 28.8 22.8 34.2

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#26

2,2-Dichloropropane

Concen: 45.987 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW006144.D

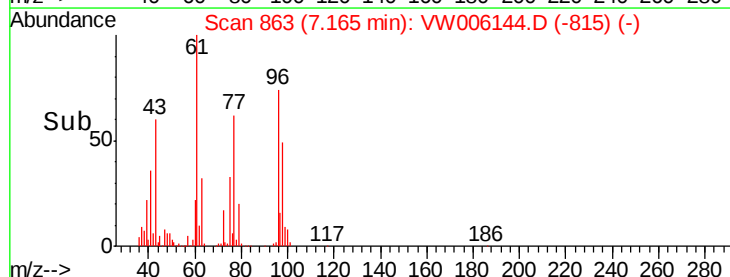
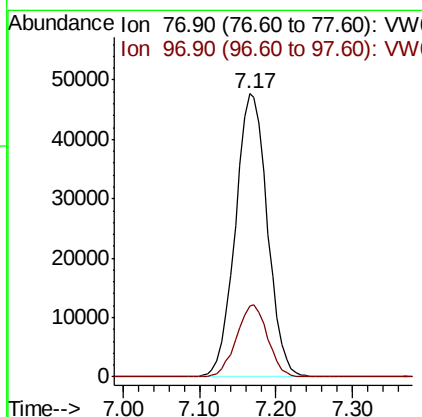
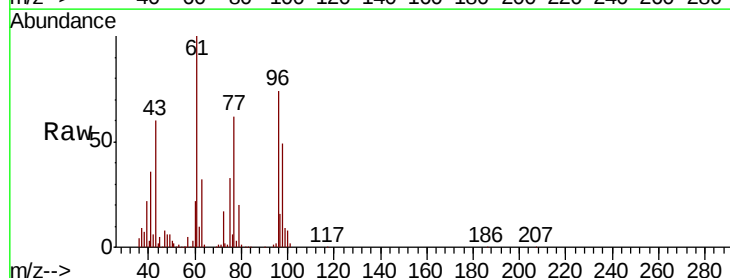
Acq: 18 Oct 2018 00:38

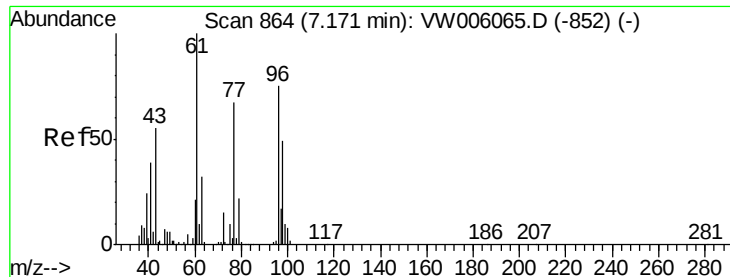
Tgt Ion: 77 Resp: 138242

Ion Ratio Lower Upper

77 100

97 24.8 12.2 36.4





#27

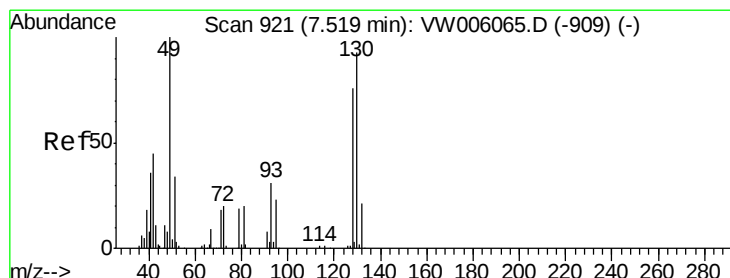
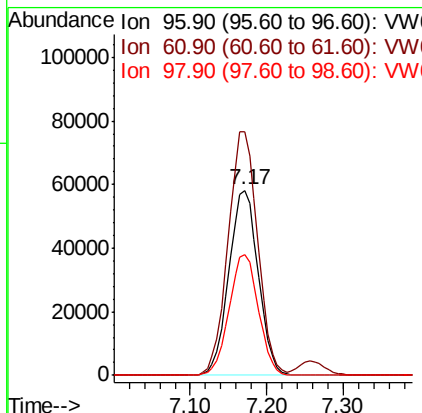
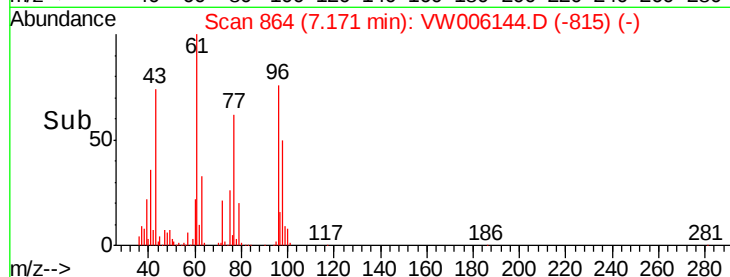
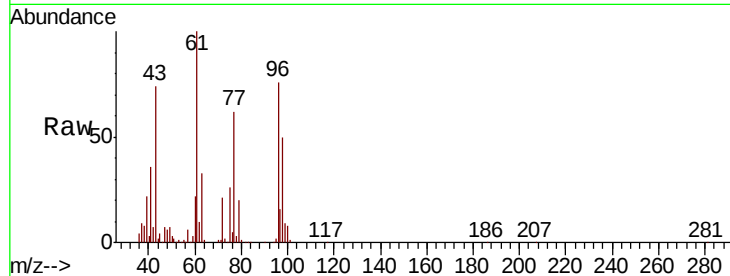
cis-1,2-Dichloroethene  
 Concen: 53.644 ug/l  
 RT: 7.17 min Scan# 864  
 Delta R.T. 0.00 min  
 Lab File: VW006144.D  
 Acq: 18 Oct 2018 00:38

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 132.5 | 0.0   | 267.2 |
| 98      | 65.0  | 0.0   | 128.6 |

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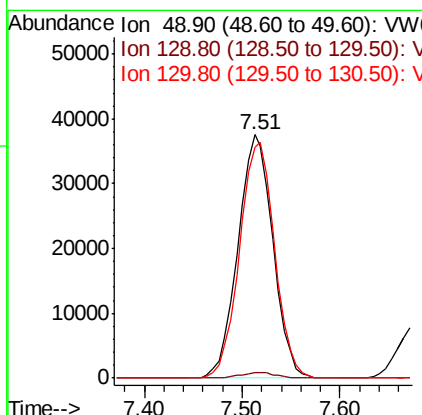
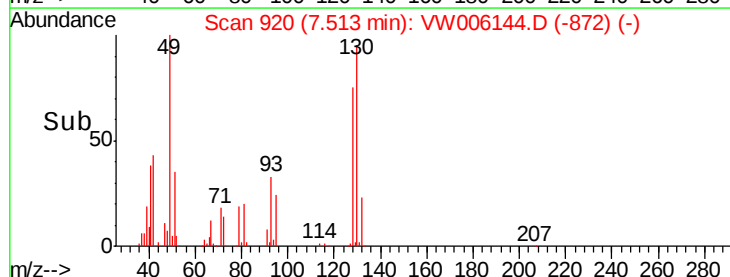
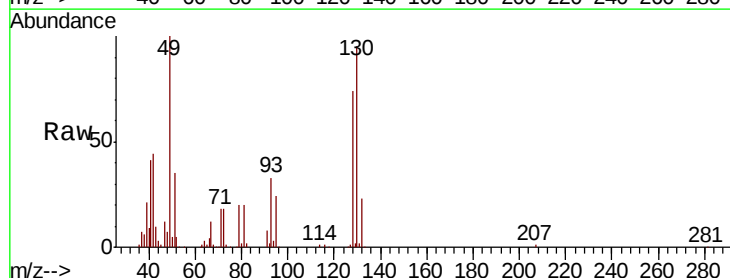
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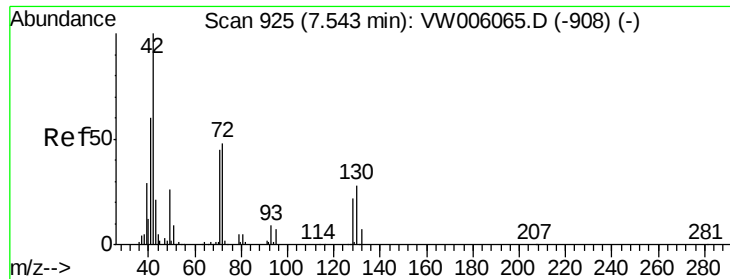


#28

Bromochloromethane  
 Concen: 56.401 ug/l  
 RT: 7.51 min Scan# 920  
 Delta R.T. -0.01 min  
 Lab File: VW006144.D  
 Acq: 18 Oct 2018 00:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.3   | 0.0   | 5.0   |
| 130     | 97.2  | 73.8  | 110.8 |





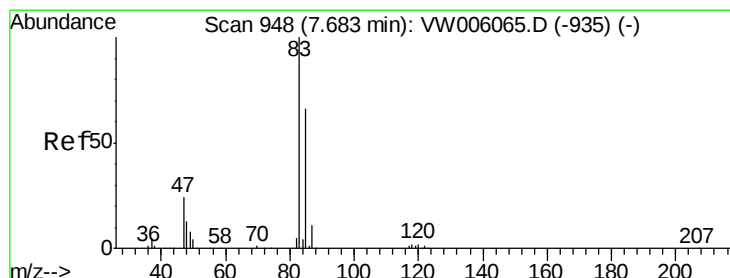
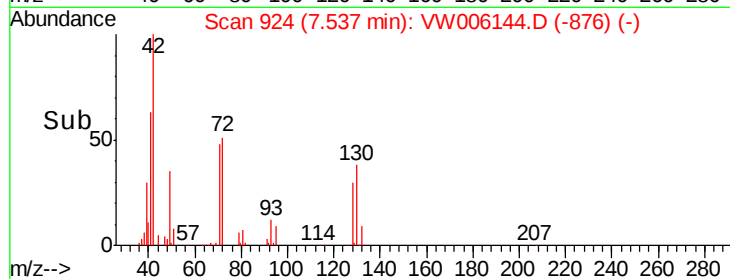
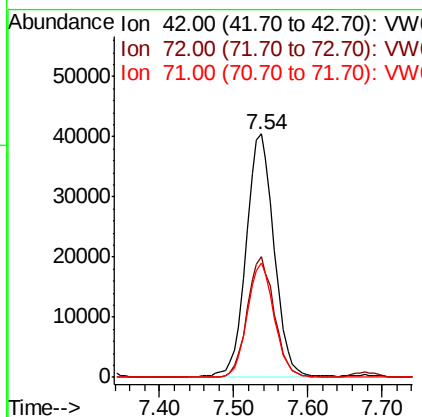
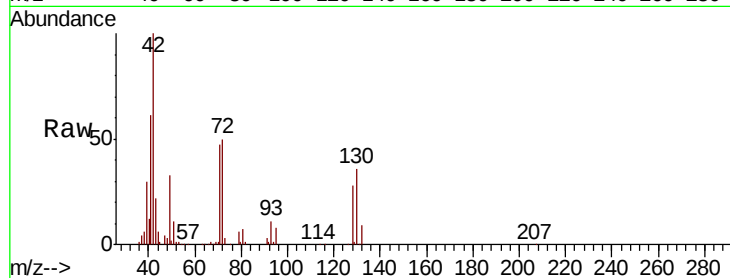
#29  
Tetrahydrofuran  
Concen: 278.365 ug/l  
RT: 7.54 min Scan# 924  
Delta R.T. -0.01 min  
Lab File: VW006144.D  
Acq: 18 Oct 2018 00:38

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 47.7  | 38.0  | 57.0  |
| 71      | 45.1  | 35.3  | 52.9  |

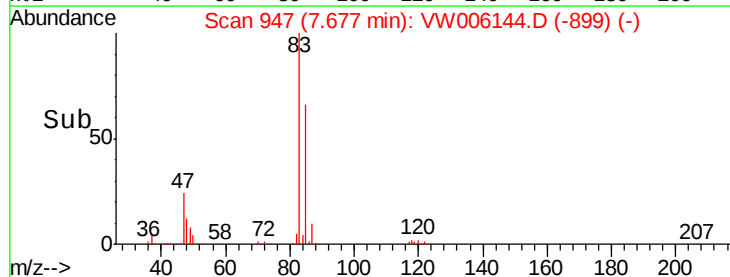
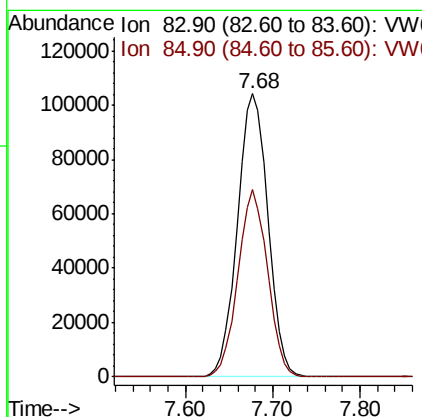
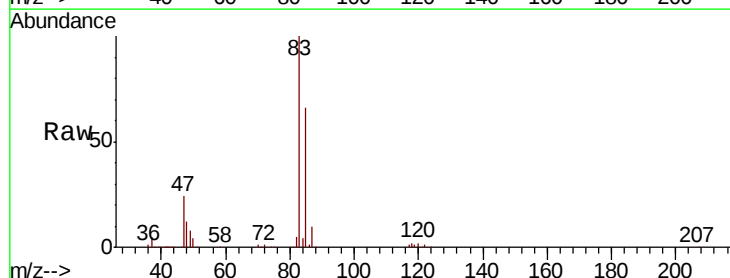
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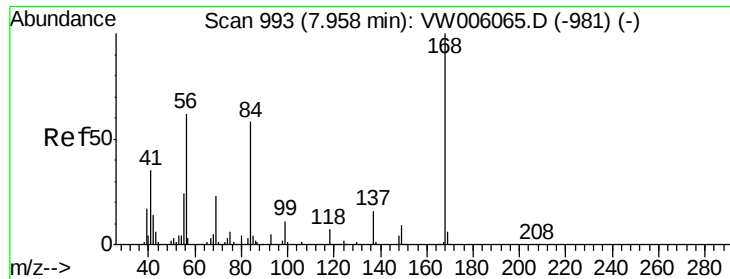
apatel  
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#30  
Chloroform  
Concen: 54.387 ug/l  
RT: 7.68 min Scan# 947  
Delta R.T. -0.01 min  
Lab File: VW006144.D  
Acq: 18 Oct 2018 00:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 66.0  | 52.6  | 79.0  |





#31

Cyclohexane

Concen: 46.518 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW006144.D

Acq: 18 Oct 2018 00:38

Instrument :

MSVOA\_W

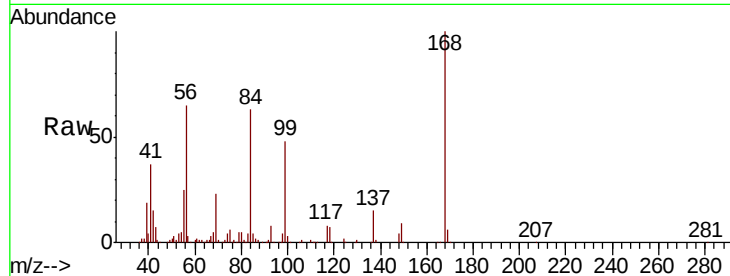
ClientSampleId :

VSTDCCC050

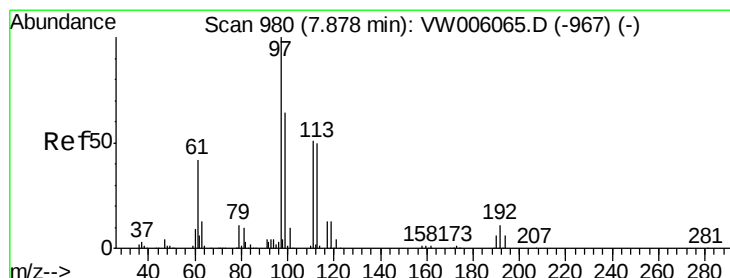
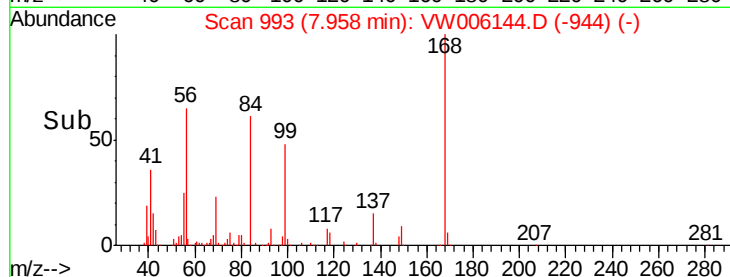
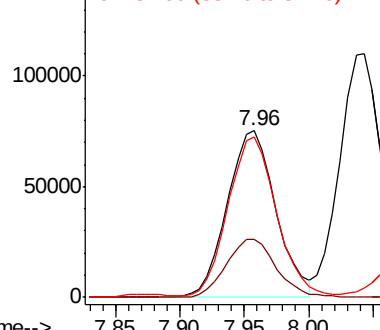
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 56    | Resp: | 197446 |
| Ion Ratio | Lower | Upper |        |
| 56        | 100   |       |        |
| 69        | 34.9  | 29.4  | 44.0   |
| 84        | 95.1  | 74.0  | 111.0  |

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



#32

1,1,1-Trichloroethane

Concen: 51.005 ug/l

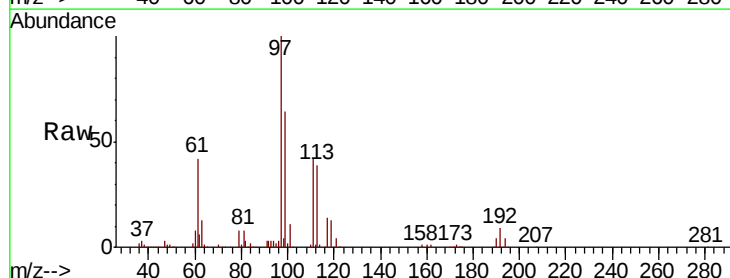
RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

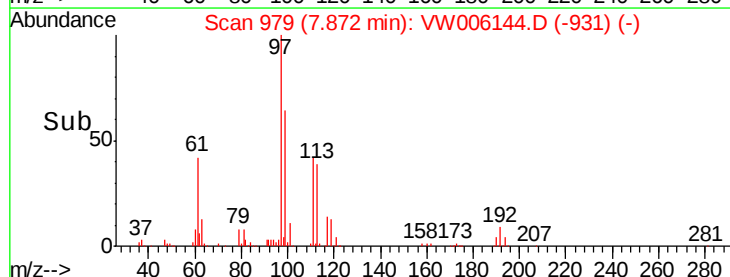
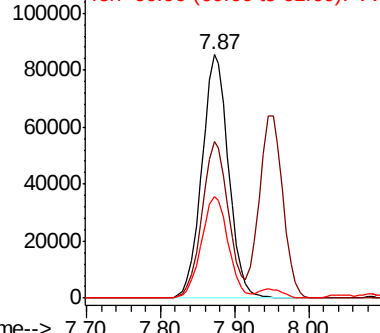
Lab File: VW006144.D

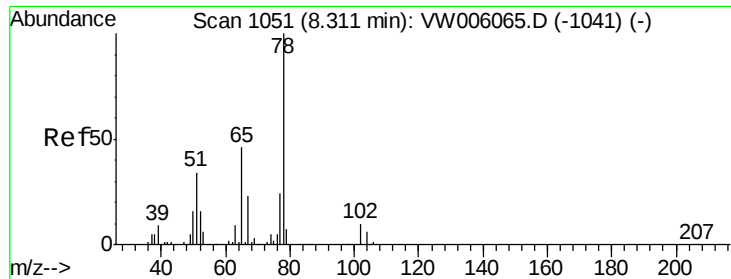
Acq: 18 Oct 2018 00:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 97    | Resp: | 213653 |
| Ion Ratio | Lower | Upper |        |
| 97        | 100   |       |        |
| 99        | 64.5  | 50.9  | 76.3   |
| 61        | 42.3  | 33.7  | 50.5   |



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





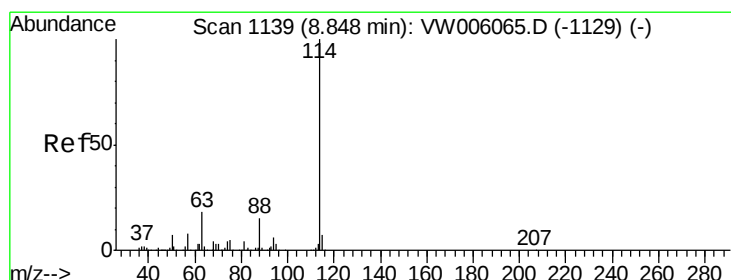
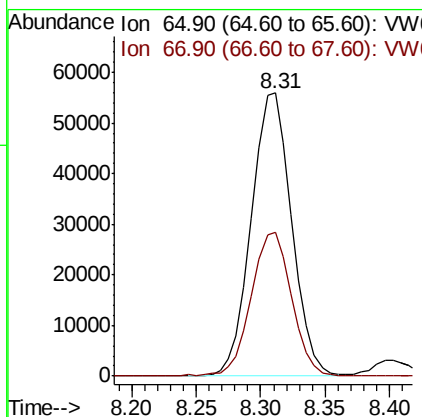
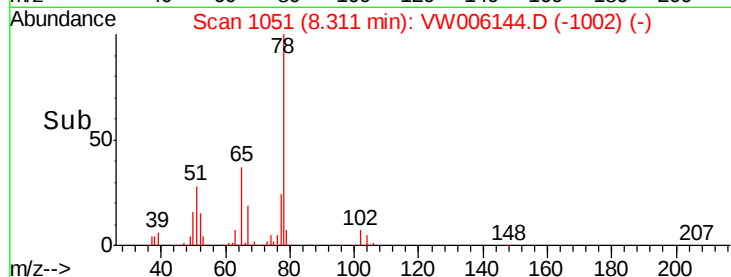
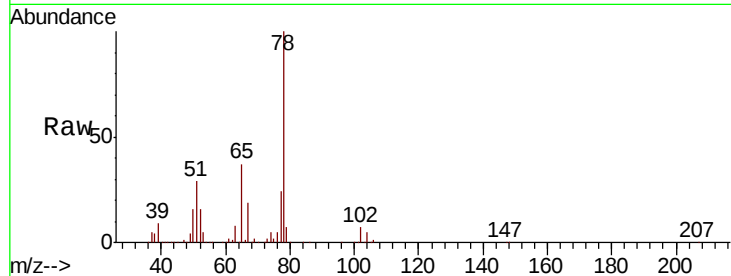
#33  
 1,2-Dichloroethane-d4  
 Concen: 52.256 ug/l  
 RT: 8.31 min Scan# 1051  
 Delta R.T. 0.00 min  
 Lab File: VW006144.D  
 Acq: 18 Oct 2018 00:38

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 121213 |       |       |
| 67      | 51.0  | 0.0    | 101.0 |       |

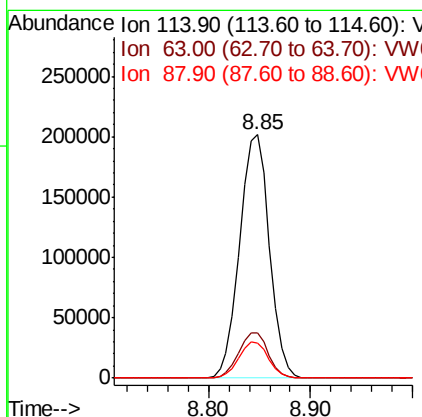
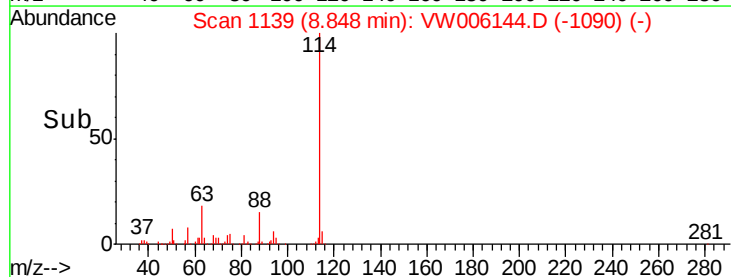
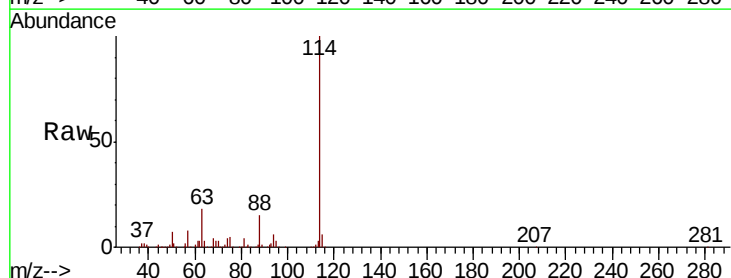
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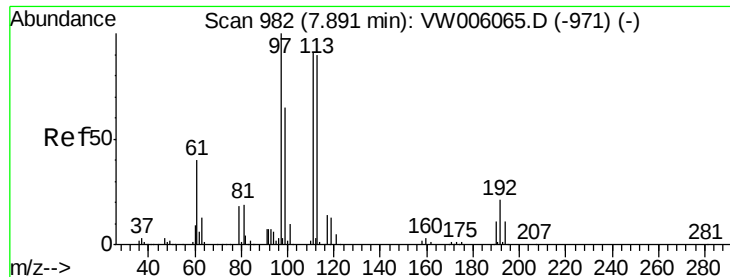
apatel  
 10/18/2018 4:39:48 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.85 min Scan# 1139  
 Delta R.T. 0.00 min  
 Lab File: VW006144.D  
 Acq: 18 Oct 2018 00:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 407914 |       |       |
| 63      | 18.4  | 0.0    | 36.8  |       |
| 88      | 14.6  | 0.0    | 29.0  |       |





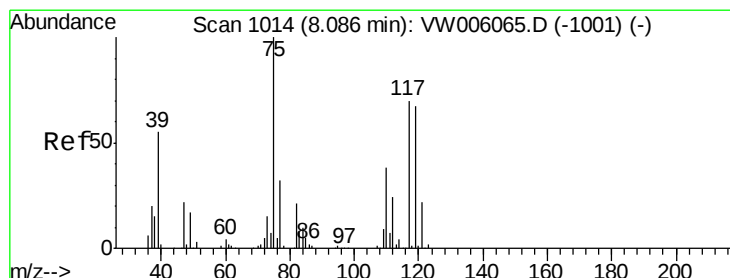
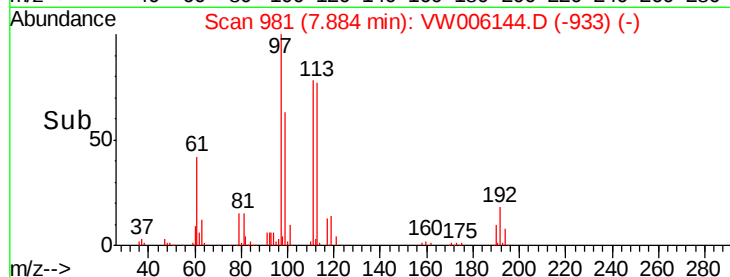
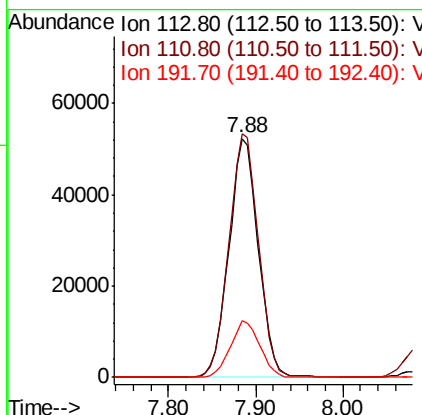
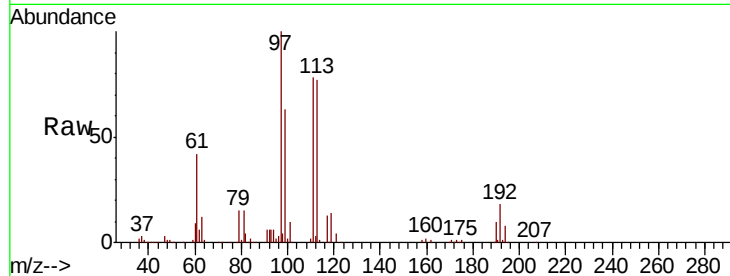
#35  
 Dibromofluoromethane  
 Concen: 50.684 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. -0.01 min  
 Lab File: VW006144.D  
 Acq: 18 Oct 2018 00:38

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 122166 |       |       |
| 111     | 102.7 | 81.4   | 122.0 |       |
| 192     | 23.6  | 18.7   | 28.1  |       |

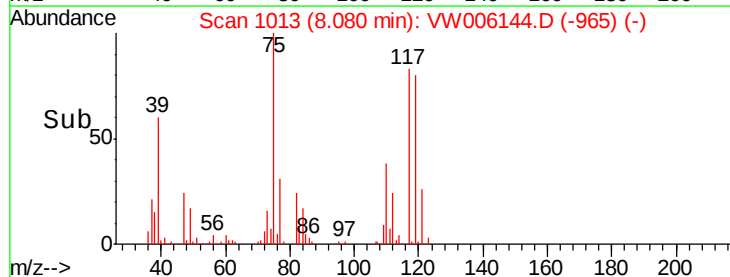
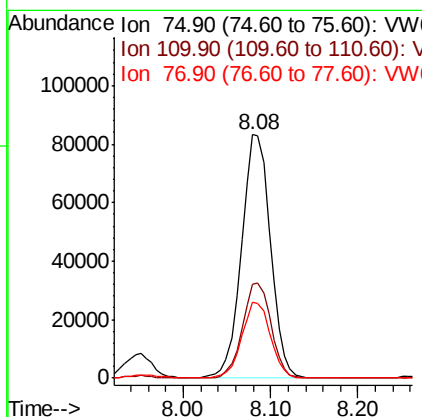
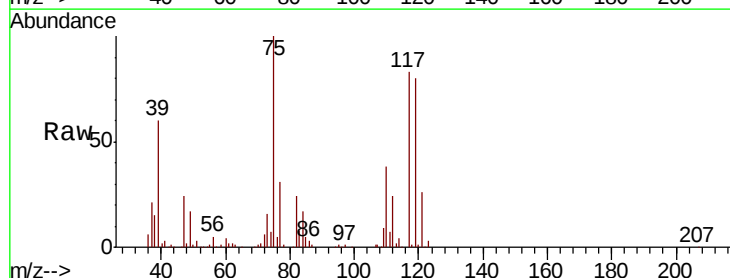
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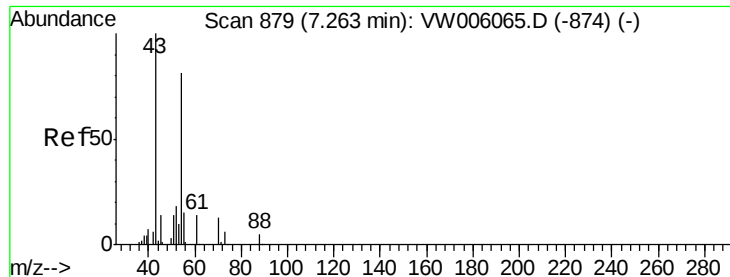
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#36  
 1,1-Dichloropropene  
 Concen: 50.528 ug/l  
 RT: 8.08 min Scan# 1013  
 Delta R.T. -0.01 min  
 Lab File: VW006144.D  
 Acq: 18 Oct 2018 00:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 189978 |       |       |
| 110     | 38.6  | 19.1   | 57.1  |       |
| 77      | 31.2  | 25.0   | 37.4  |       |





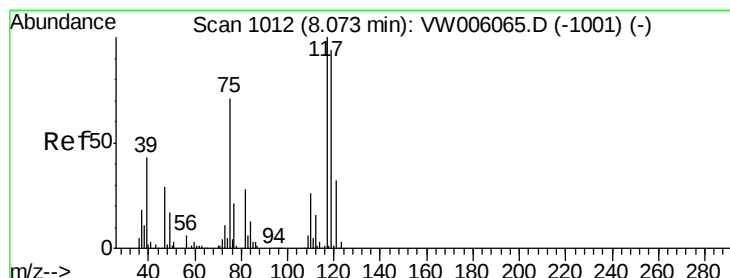
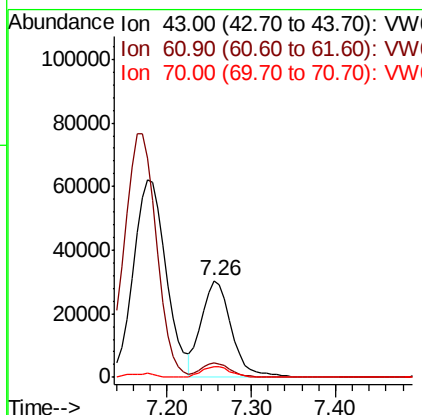
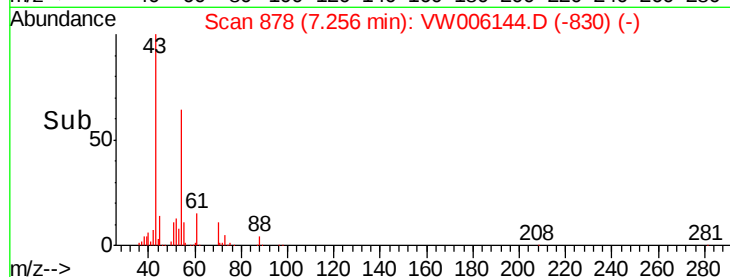
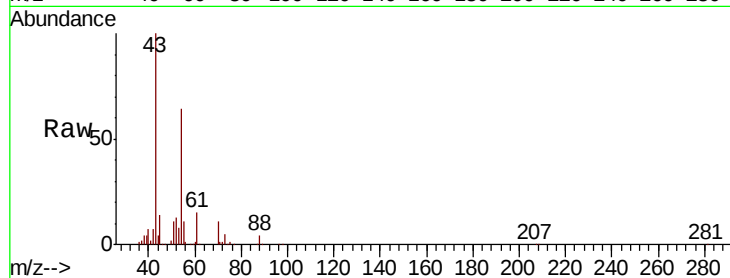
#37  
Ethyl Acetate  
Concen: 53.785 ug/l  
RT: 7.26 min Scan# 878  
Delta R.T. -0.01 min  
Lab File: VW006144.D  
Acq: 18 Oct 2018 00:38

Instrument :  
MSVOA\_W  
ClientSampleID :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.9  | 11.5  | 17.3  |
| 70      | 11.0  | 9.2   | 13.8  |

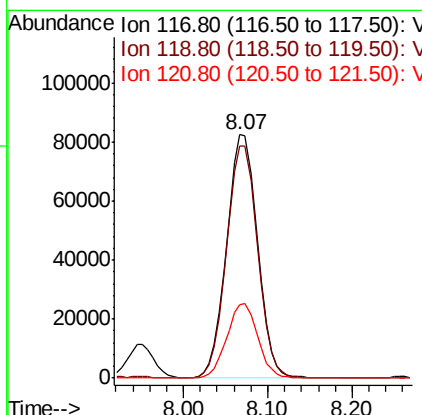
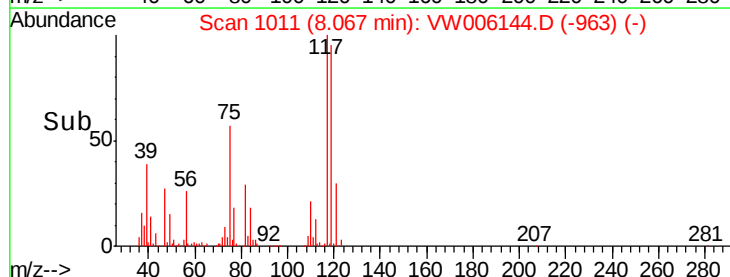
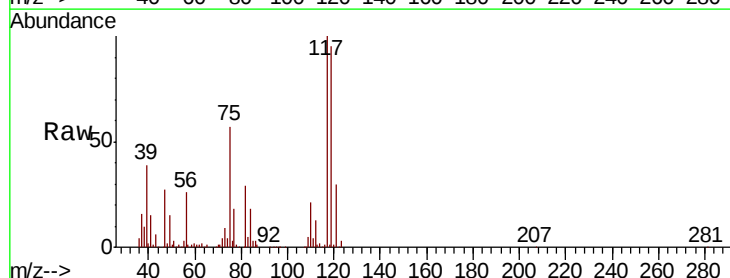
Manual Integrations  
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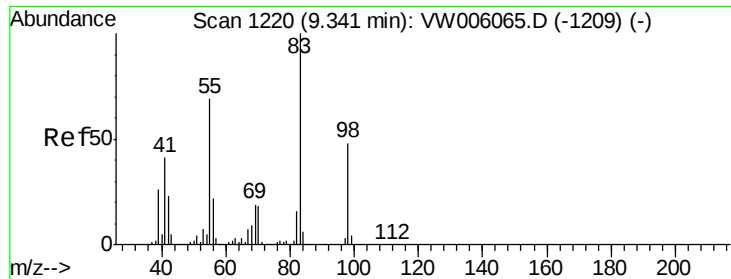
apatel  
10/18/2018 4:39:48 PM



#38  
Carbon Tetrachloride  
Concen: 49.711 ug/l  
RT: 8.07 min Scan# 1011  
Delta R.T. -0.01 min  
Lab File: VW006144.D  
Acq: 18 Oct 2018 00:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 95.4  | 75.2  | 112.8 |
| 121     | 30.4  | 25.3  | 37.9  |





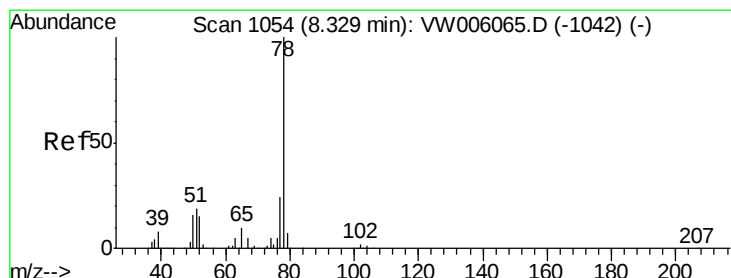
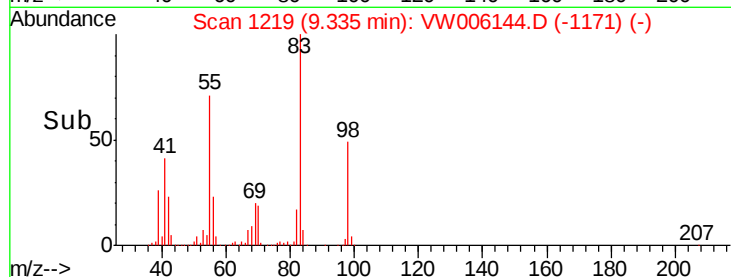
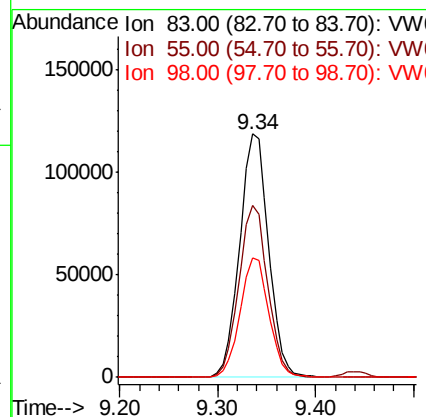
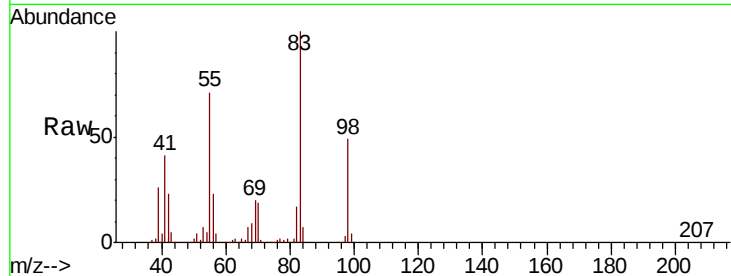
#39  
Methvlcvclohexane  
Concen: 48.941 ug/l  
RT: 9.34 min Scan# 1219  
Delta R.T. -0.01 min  
Lab File: VW006144.D  
Acq: 18 Oct 2018 00:38

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 70.8  | 55.0  | 82.6  |
| 98      | 49.0  | 38.6  | 57.8  |

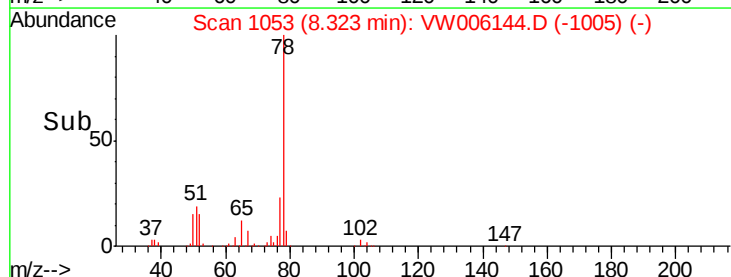
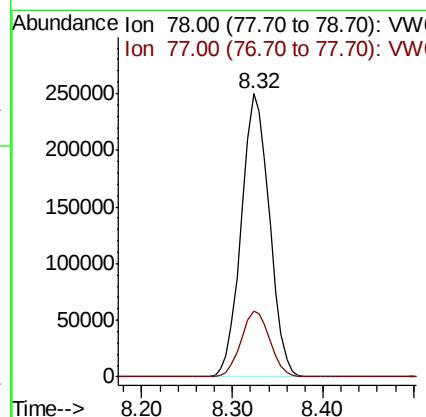
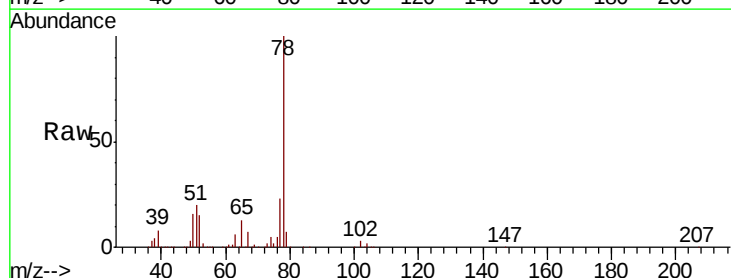
Manual Integrations  
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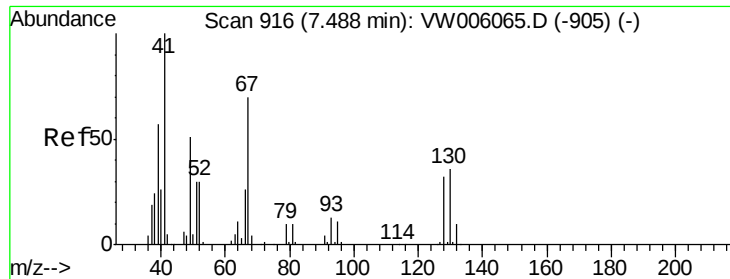
apatel  
10/18/2018 4:39:48 PM



#40  
Benzene  
Concen: 52.066 ug/l  
RT: 8.32 min Scan# 1053  
Delta R.T. -0.01 min  
Lab File: VW006144.D  
Acq: 18 Oct 2018 00:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.3  | 19.4  | 29.0  |





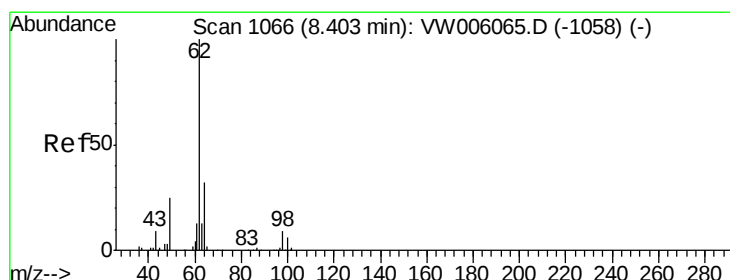
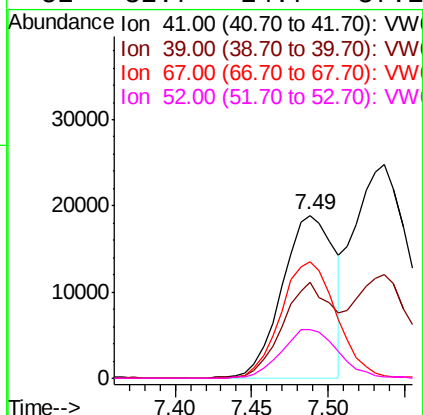
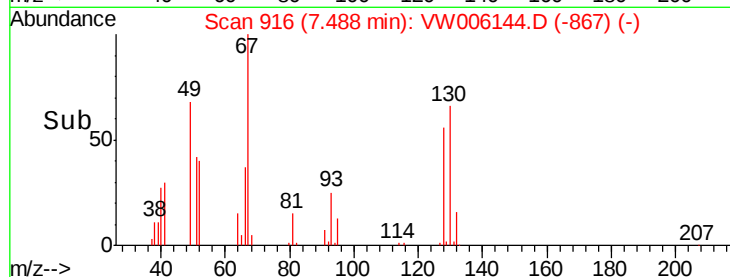
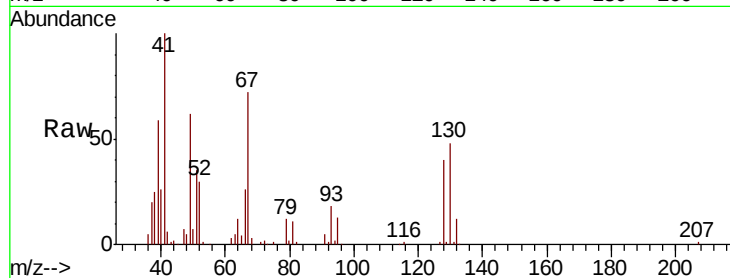
#41  
Methacrylonitrile  
Concen: 53.520 ug/l  
RT: 7.49 min Scan# 916  
Delta R.T. 0.00 min  
Lab File: VW006144.D  
Acq: 18 Oct 2018 00:38

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | 41    | Resp  | 45070 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 41      | 100   |       |       |
| 39      | 56.1  | 46.2  | 69.4  |
| 67      | 76.1  | 57.7  | 86.5  |
| 52      | 32.7  | 24.7  | 37.1  |

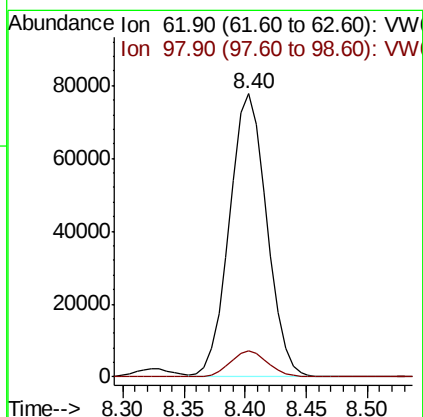
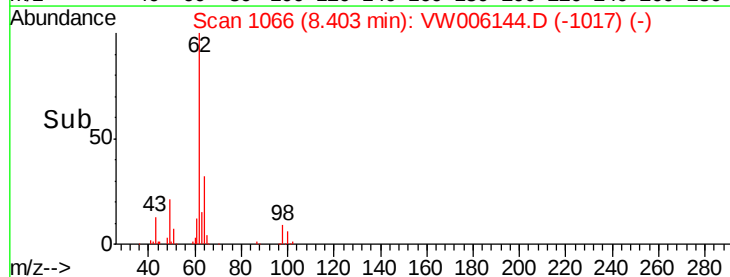
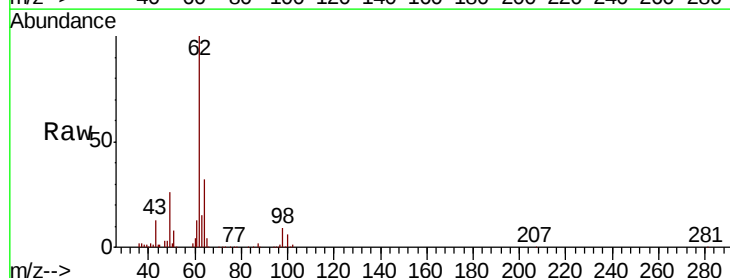
Manual Integrations  
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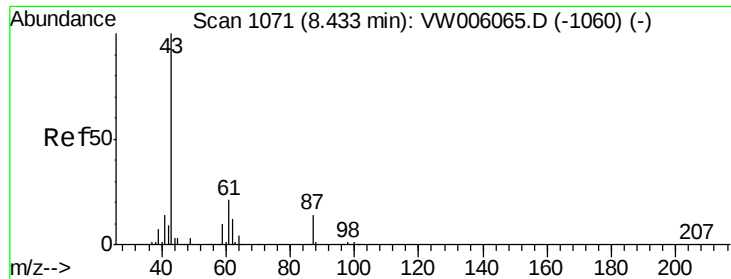
apatel  
10/18/2018 4:39:48 PM



#42  
1,2-Dichloroethane  
Concen: 54.269 ug/l  
RT: 8.40 min Scan# 1066  
Delta R.T. 0.00 min  
Lab File: VW006144.D  
Acq: 18 Oct 2018 00:38

| Tgt Ion | 62    | Resp  | 164441 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 62      | 100   |       |        |
| 98      | 9.0   | 0.0   | 18.4   |





#43

Isopropyl Acetate

Concen: 53.819 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006144.D

Acq: 18 Oct 2018 00:38

Instrument :

MSVOA\_W

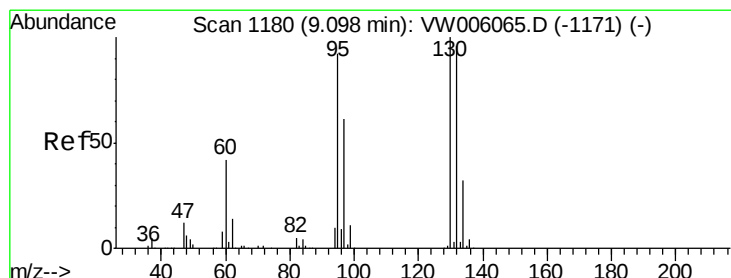
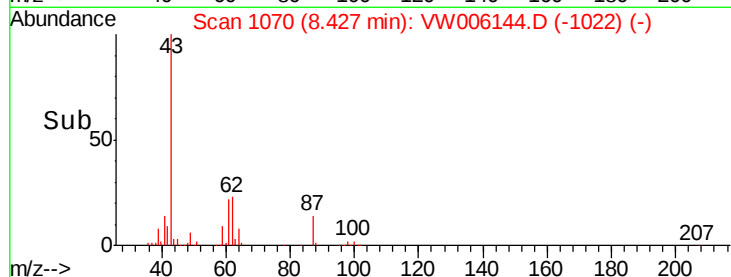
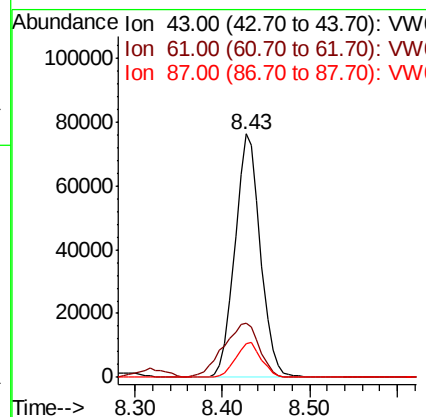
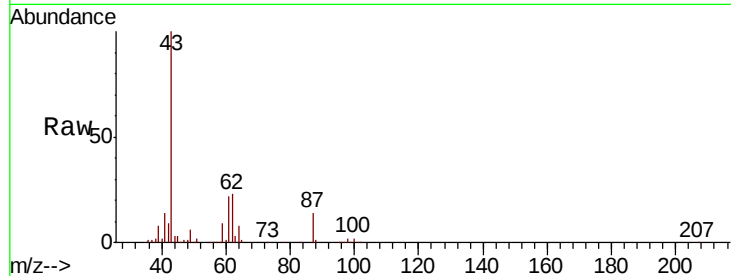
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 153717 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 31.6  | 25.5  | 38.3   |
| 87       | 14.4  | 11.7  | 17.5   |

Manual Integrations  
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apatel  
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#44

Trichloroethene

Concen: 51.997 ug/l

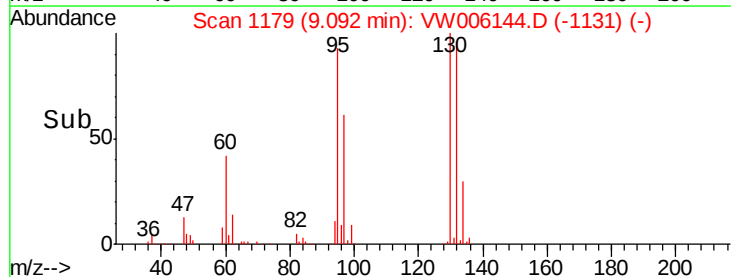
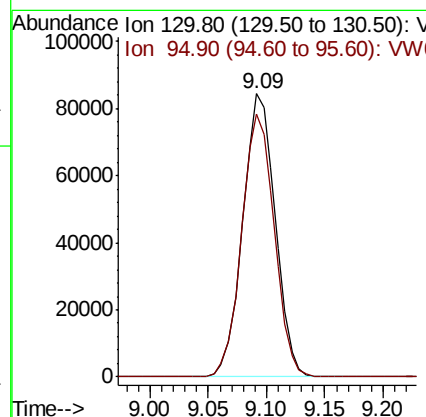
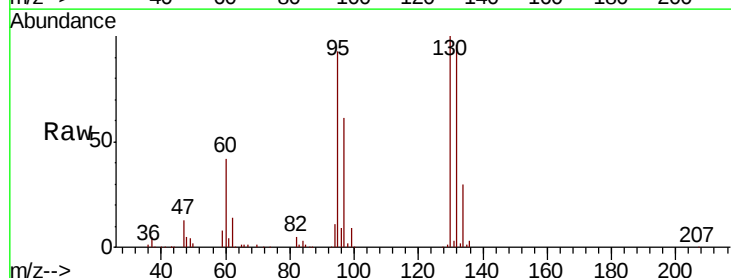
RT: 9.09 min Scan# 1179

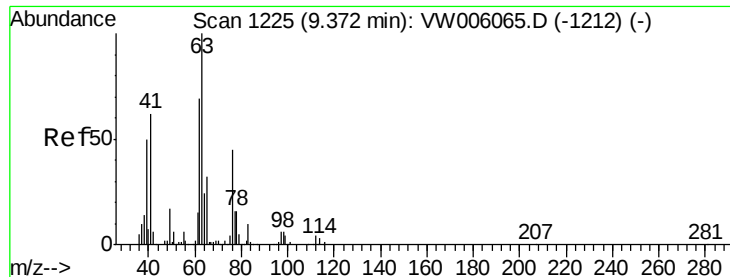
Delta R.T. -0.01 min

Lab File: VW006144.D

Acq: 18 Oct 2018 00:38

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 164526 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 93.0  | 0.0   | 183.2  |





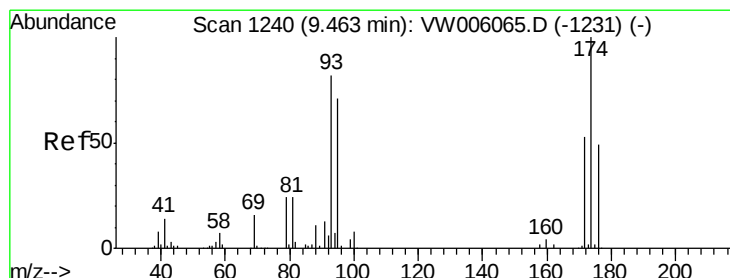
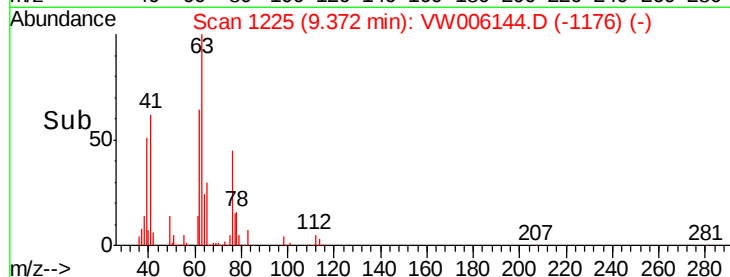
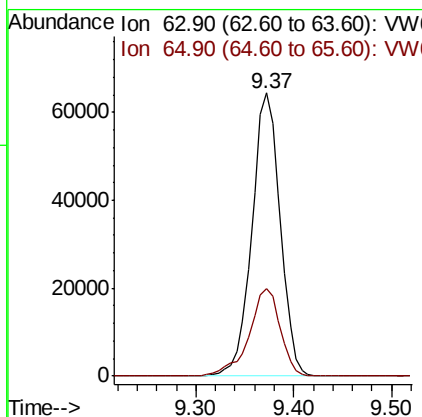
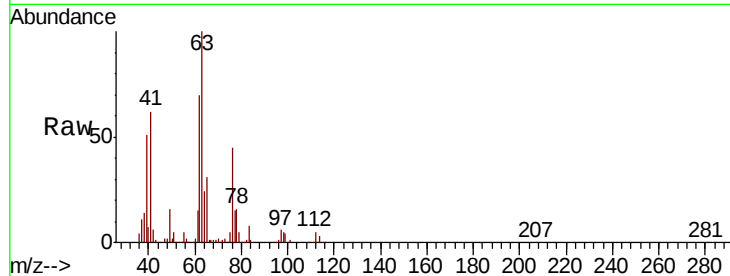
#45  
 1,2-Dichloropropane  
 Concen: 52.186 ug/l  
 RT: 9.37 min Scan# 1225  
 Delta R.T. 0.00 min  
 Lab File: VW006144.D  
 Acq: 18 Oct 2018 00:38

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 63 Resp: 128793  
 Ion Ratio Lower Upper  
 63 100  
 65 31.0 25.4 38.0

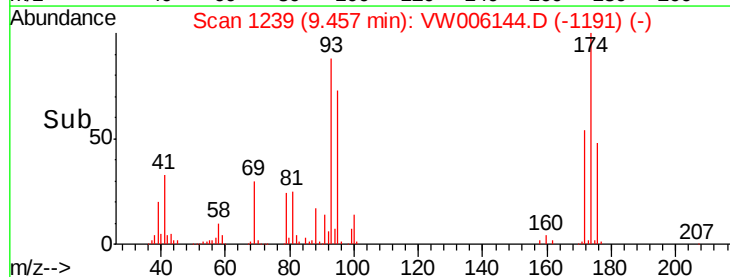
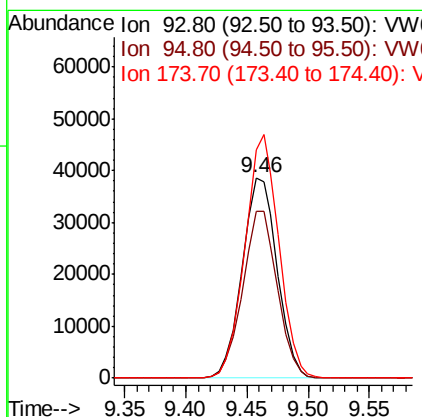
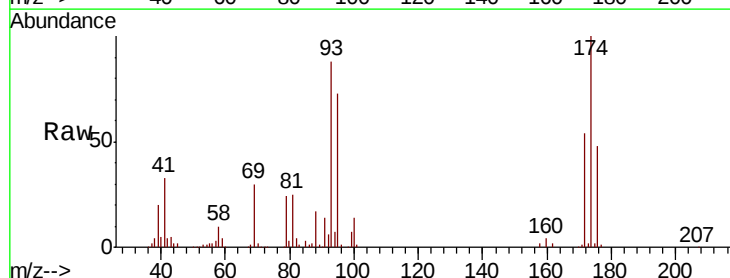
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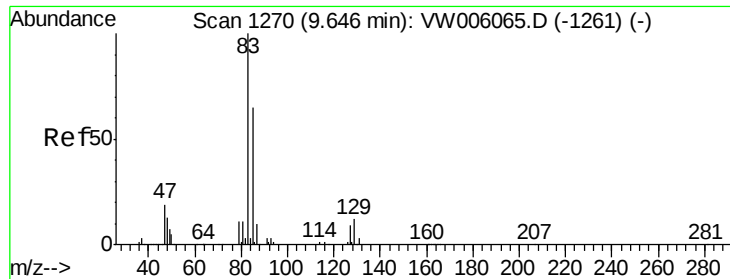
apatel  
 10/18/2018 4:39:48 PM



#46  
 Dibromomethane  
 Concen: 54.658 ug/l  
 RT: 9.46 min Scan# 1239  
 Delta R.T. -0.01 min  
 Lab File: VW006144.D  
 Acq: 18 Oct 2018 00:38

Tgt Ion: 93 Resp: 76882  
 Ion Ratio Lower Upper  
 93 100  
 95 82.4 67.7 101.5  
 174 117.6 93.7 140.5





#47

Bromodichloromethane

Concen: 52.589 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW006144.D

Acq: 18 Oct 2018 00:38

Instrument :

MSVOA\_W

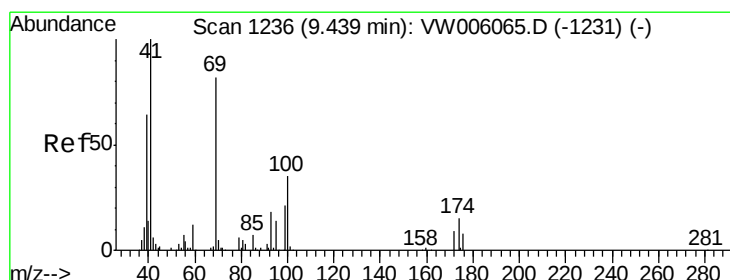
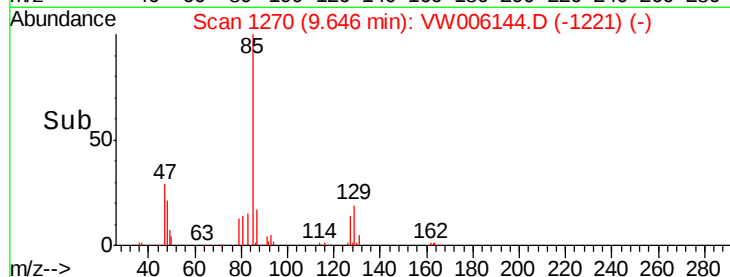
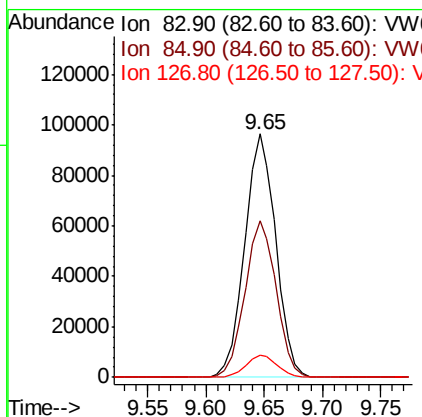
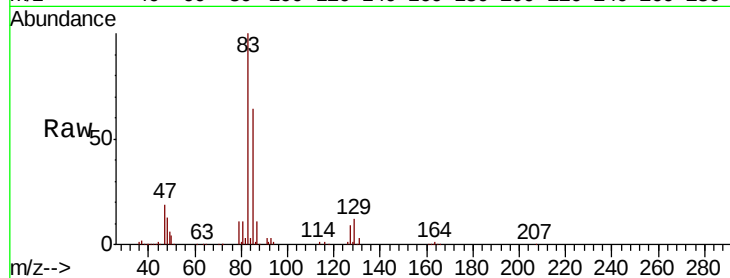
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 179344 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 64.1  | 51.8  | 77.8   |
| 127      | 9.1   | 6.9   | 10.3   |

Manual Integrations  
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apatel  
10/18/2018 4:39:48 PM



#48

Methyl methacrylate

Concen: 55.540 ug/l

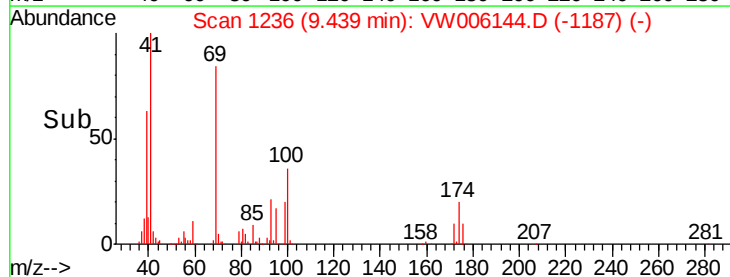
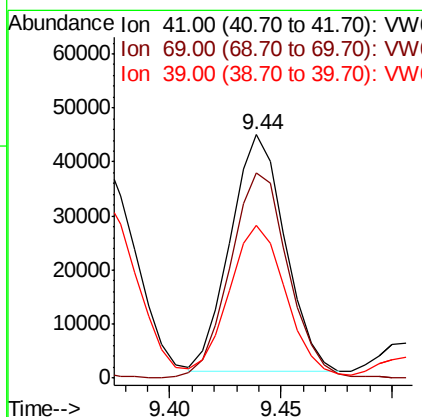
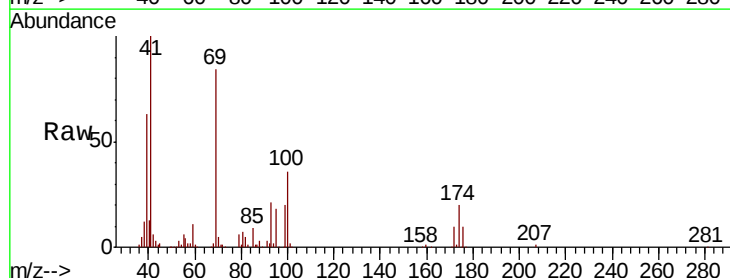
RT: 9.44 min Scan# 1236

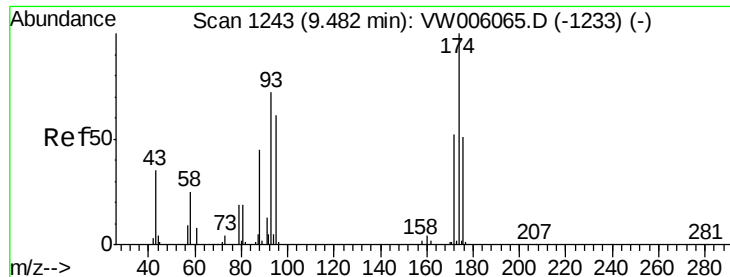
Delta R.T. 0.00 min

Lab File: VW006144.D

Acq: 18 Oct 2018 00:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 75195 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 91.1  | 71.8  | 107.8 |
| 39       | 67.3  | 52.5  | 78.7  |





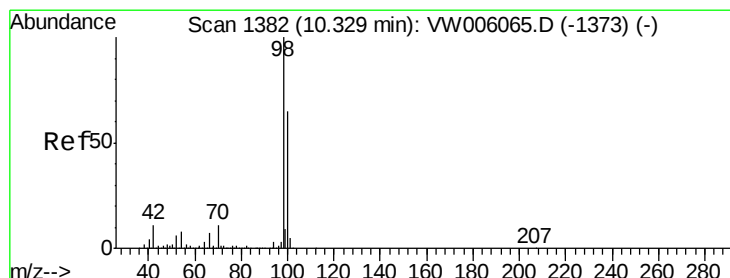
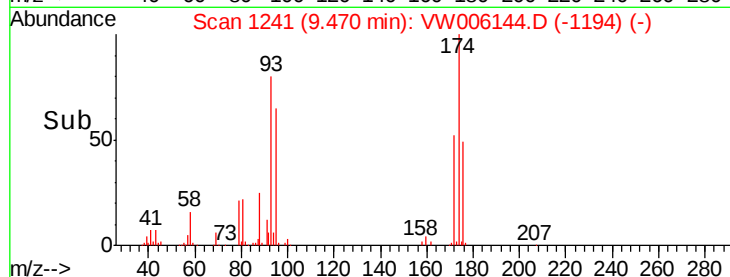
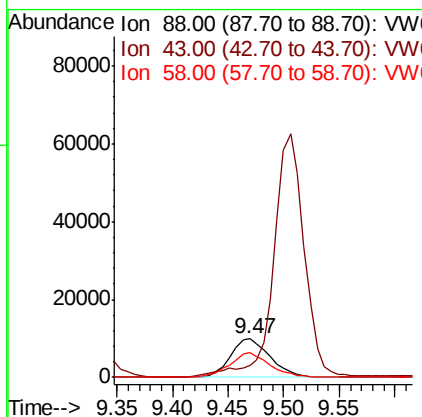
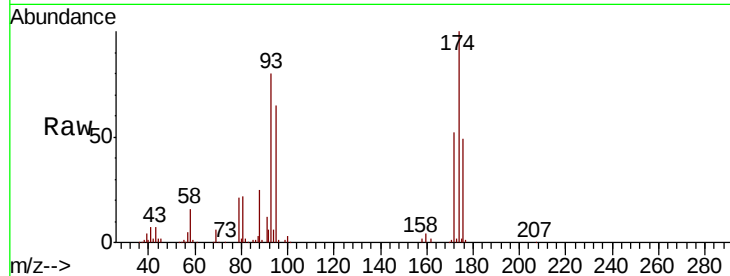
#49  
1,4-Dioxane  
Concen: 1123.887 ug/l  
RT: 9.47 min Scan# 1241  
Delta R.T. -0.01 min  
Lab File: VW006144.D  
Acq: 18 Oct 2018 00:38

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 0.0   | 0.0   | 0.0   |
| 58      | 65.5  | 51.2  | 76.8  |

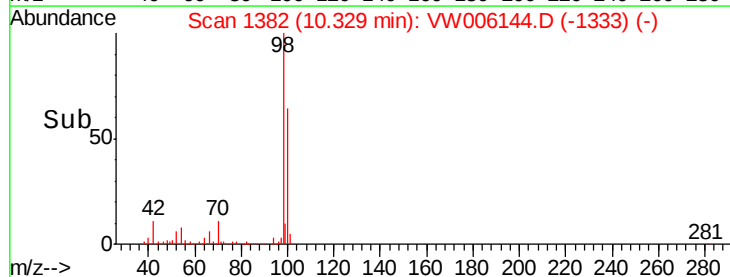
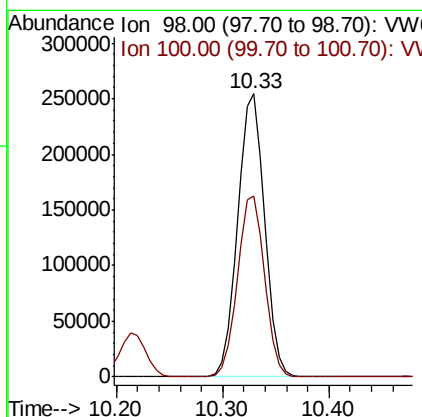
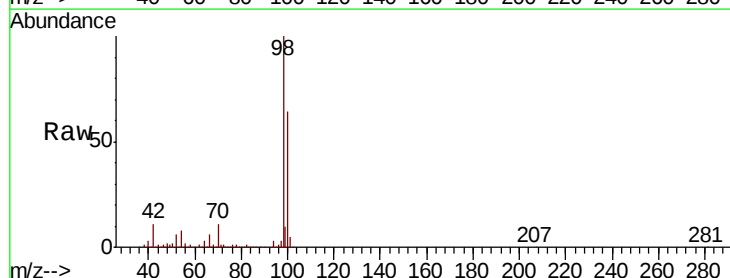
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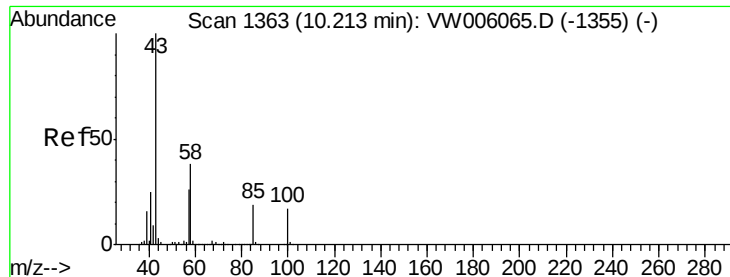
apatel  
10/18/2018 4:39:48 PM



#50  
Toluene-d8  
Concen: 49.226 ug/l  
RT: 10.33 min Scan# 1382  
Delta R.T. 0.00 min  
Lab File: VW006144.D  
Acq: 18 Oct 2018 00:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.7  | 51.6  | 77.4  |





#51

4-Methyl-2-Pentanone

Concen: 271.889 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW006144.D

Acq: 18 Oct 2018 00:38

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 389091

Ion Ratio Lower Upper

43 100

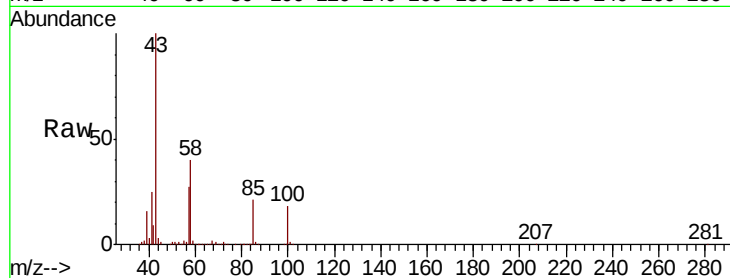
58 40.0 31.5 47.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

250000

200000

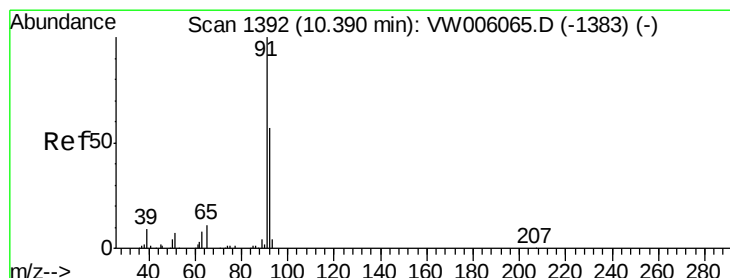
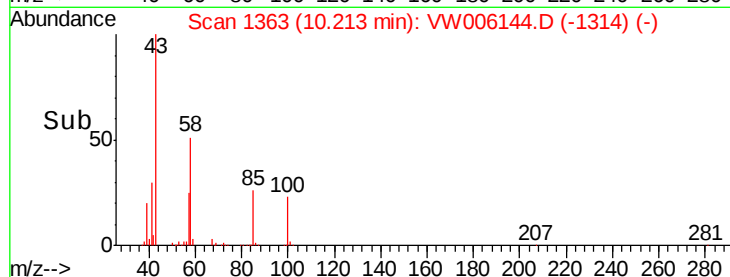
150000

100000

50000

0

Time--> 10.10 10.20 10.30



#52

Toluene

Concen: 52.111 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006144.D

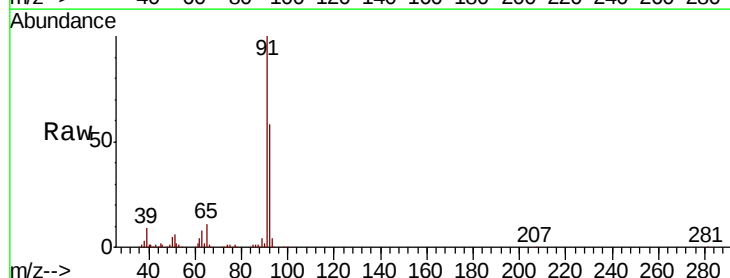
Acq: 18 Oct 2018 00:38

Tgt Ion: 92 Resp: 360317

Ion Ratio Lower Upper

92 100

91 174.3 140.0 210.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.39

400000

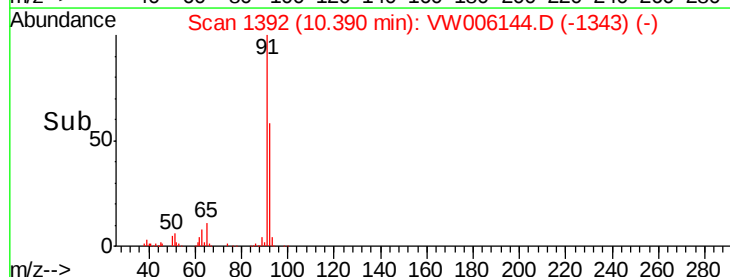
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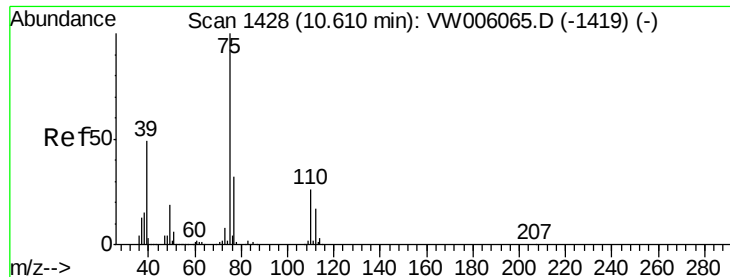
200000

100000

0

Time--> 10.30 10.40 10.50





#53

t-1,3-Dichloropropene

Concen: 52.161 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006144.D

Acq: 18 Oct 2018 00:38

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 177227

Ion Ratio Lower Upper

75 100

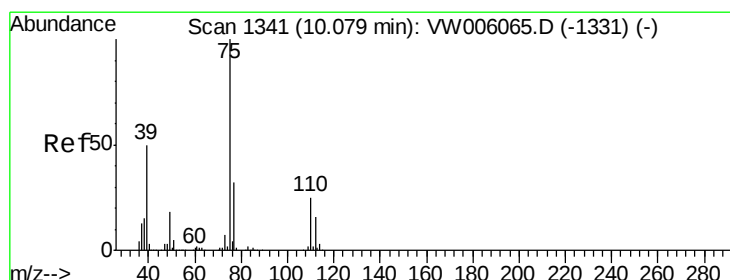
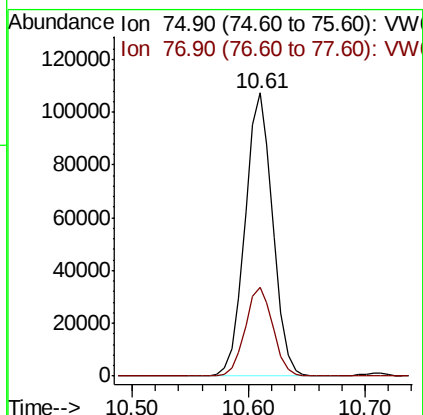
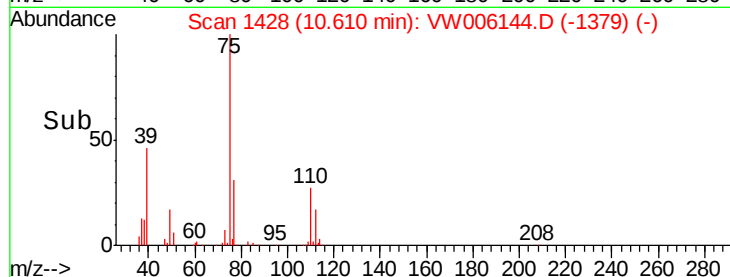
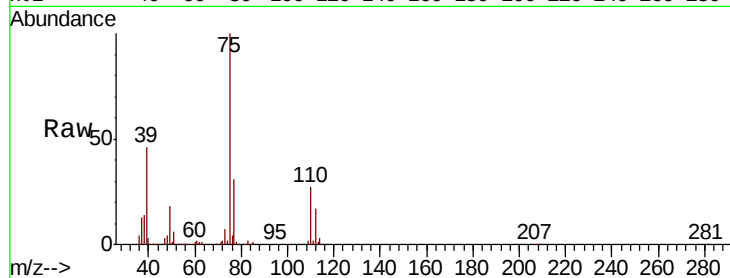
77 31.3 25.4 38.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 51.895 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VW006144.D

Acq: 18 Oct 2018 00:38

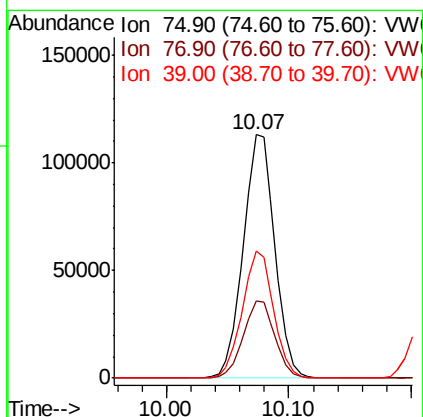
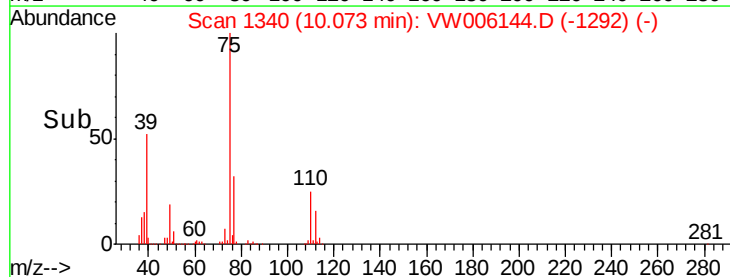
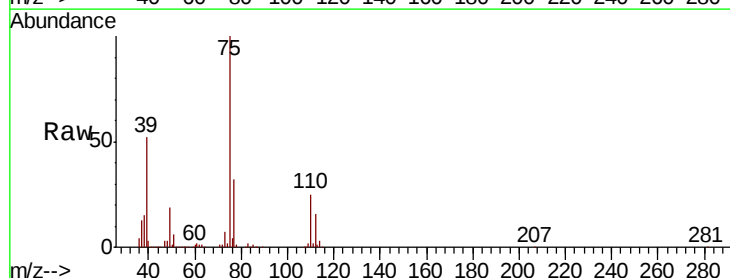
Tgt Ion: 75 Resp: 202368

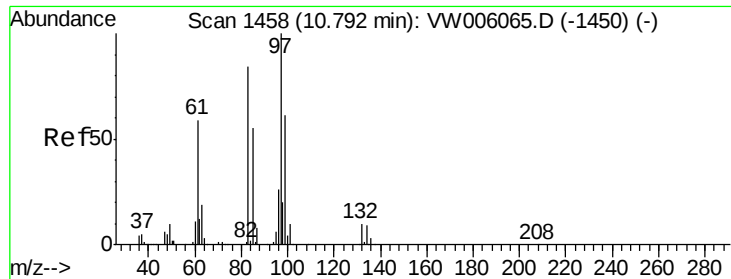
Ion Ratio Lower Upper

75 100

77 31.8 25.2 37.8

39 52.1 39.9 59.9





#55

1,1,2-Trichloroethane

Concen: 54.023 ug/l

RT: 10.79 min Scan# 1458

Delta R.T. 0.00 min

Lab File: VW006144.D

Acq: 18 Oct 2018 00:38

Instrument :

MSVOA\_W

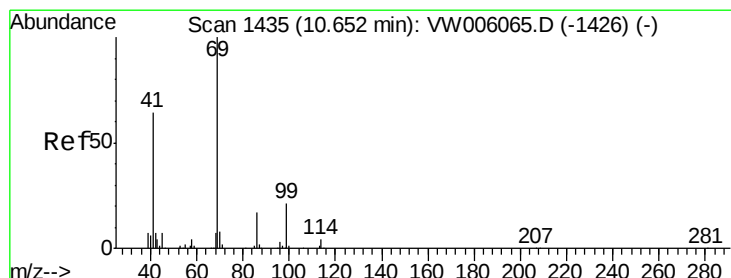
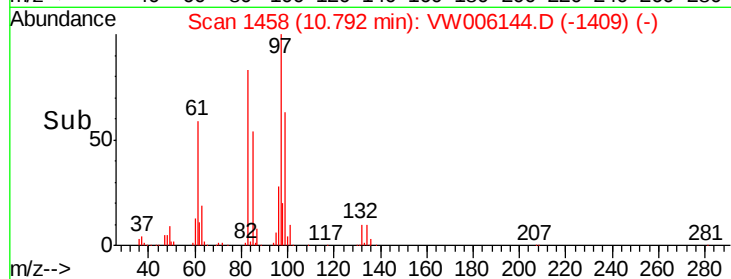
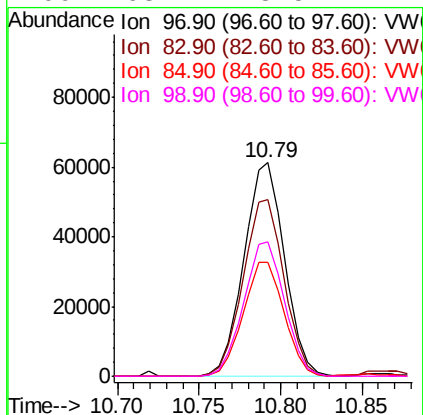
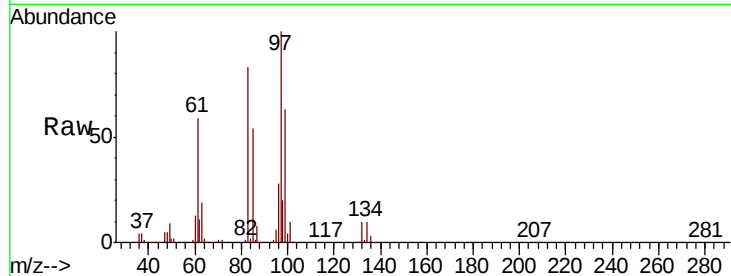
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 106338 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 82.8  | 67.2  | 100.8  |
| 85       | 53.5  | 43.7  | 65.5   |
| 99       | 63.2  | 48.5  | 72.7   |

Manual Integrations  
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#56

Ethyl methacrylate

Concen: 55.287 ug/l

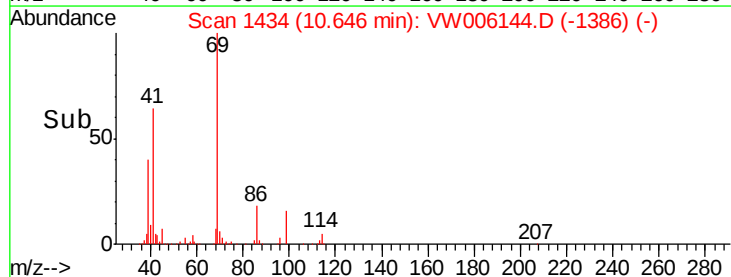
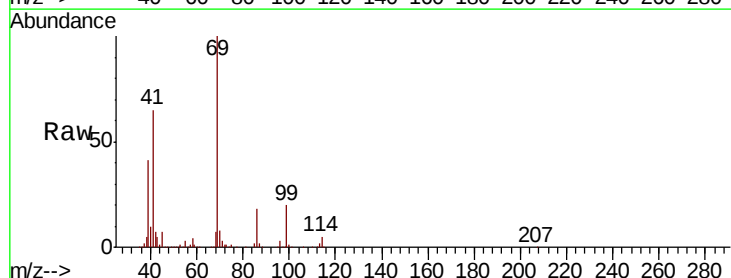
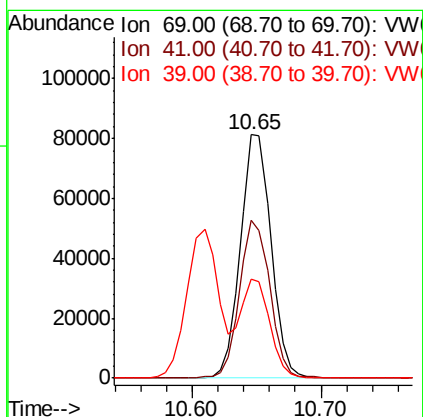
RT: 10.65 min Scan# 1434

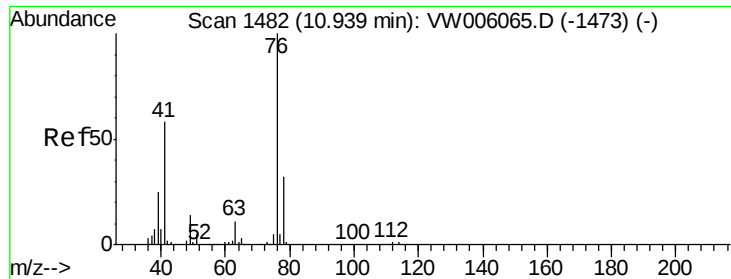
Delta R.T. -0.01 min

Lab File: VW006144.D

Acq: 18 Oct 2018 00:38

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 133413 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 65.2  | 52.8  | 79.2   |
| 39       | 39.7  | 30.6  | 45.8   |





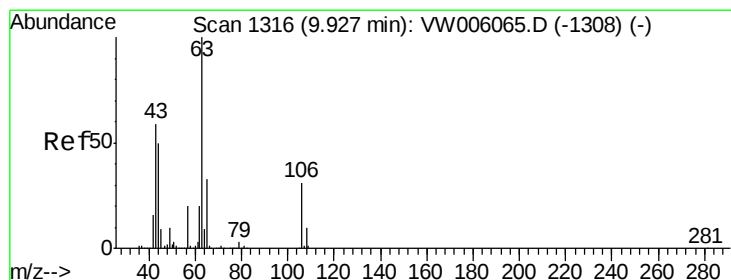
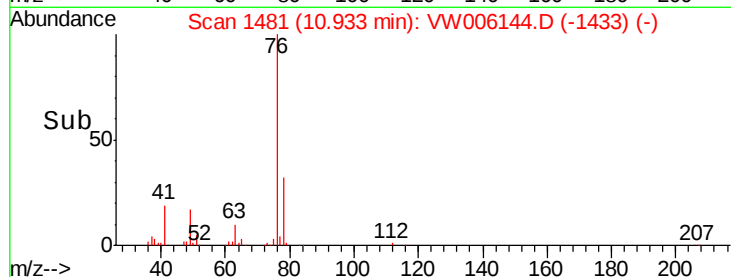
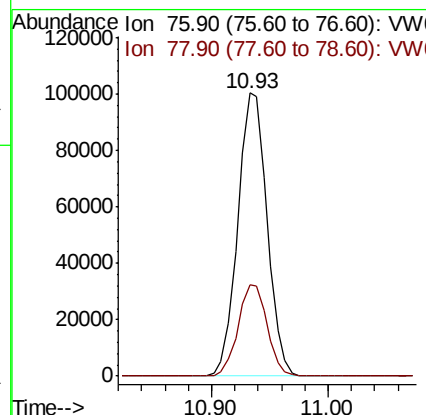
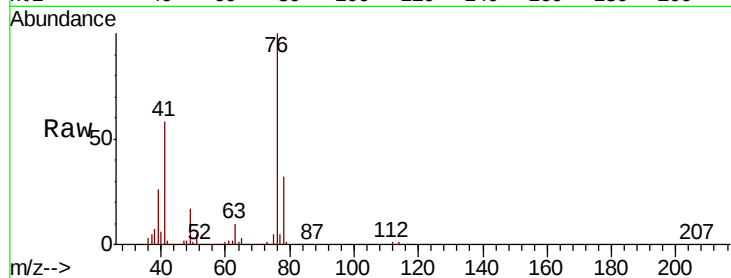
#57  
 1,3-Dichloropropane  
 Concen: 53.998 ug/l  
 RT: 10.93 min Scan# 1481  
 Delta R.T. -0.01 min  
 Lab File: VW006144.D  
 Acq: 18 Oct 2018 00:38

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.1  | 25.9  | 38.9  |

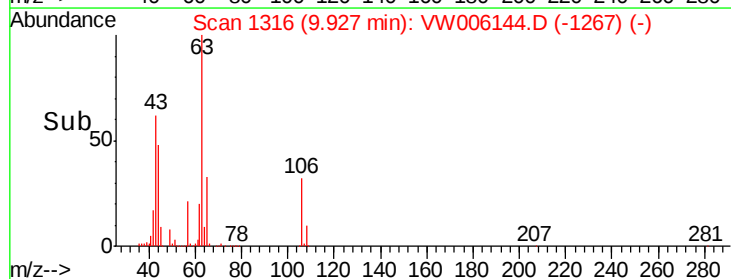
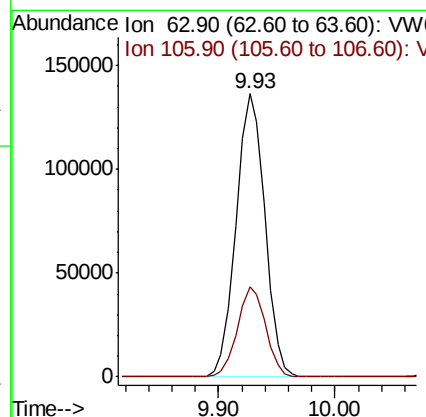
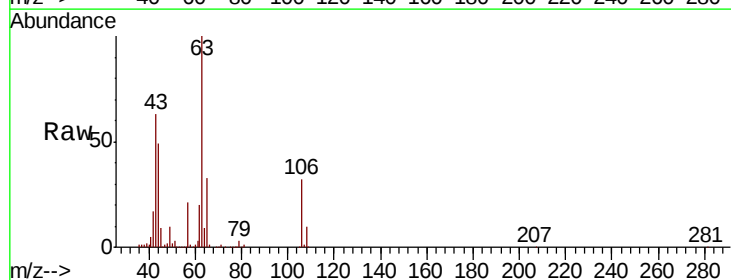
Manual Integrations  
 APPROVED

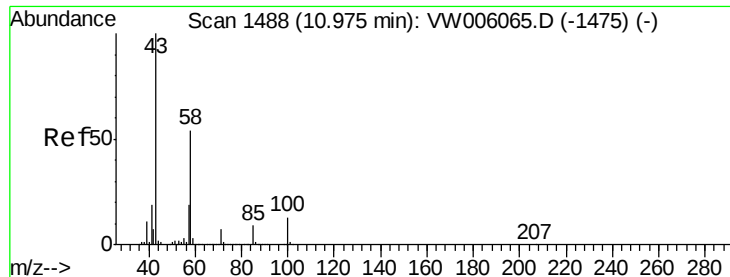
apatel  
 10/18/2018 4:39:48 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 254.988 ug/l  
 RT: 9.93 min Scan# 1316  
 Delta R.T. 0.00 min  
 Lab File: VW006144.D  
 Acq: 18 Oct 2018 00:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 31.1  | 24.5  | 36.7  |





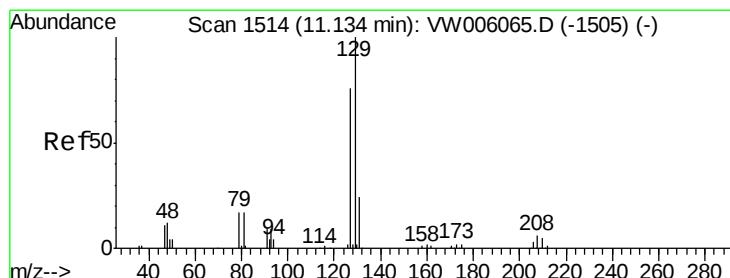
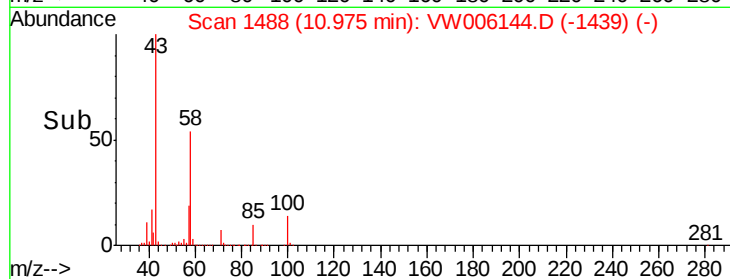
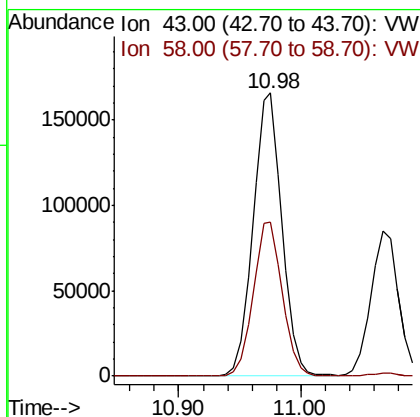
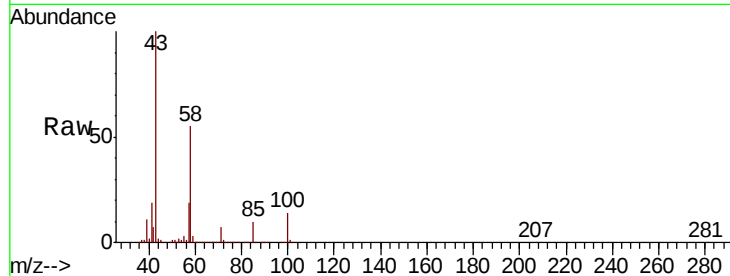
#59  
2-Hexanone  
Concen: 266.652 ug/l  
RT: 10.98 min Scan# 1488  
Delta R.T. 0.00 min  
Lab File: VW006144.D  
Acq: 18 Oct 2018 00:38

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion   | 43 | Resp | 272397 |
|-----------|----|------|--------|
| Ion Ratio | 43 | 100  |        |
| Lower     | 58 | 54.7 | 26.9   |
| Upper     |    |      | 80.6   |

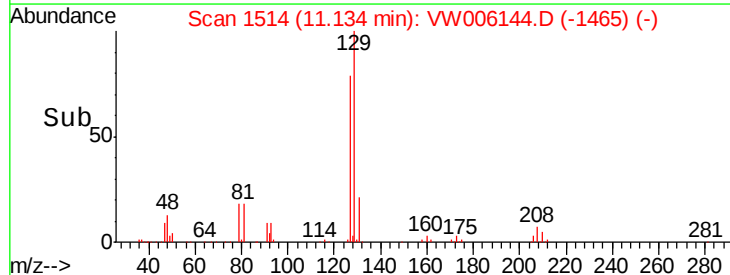
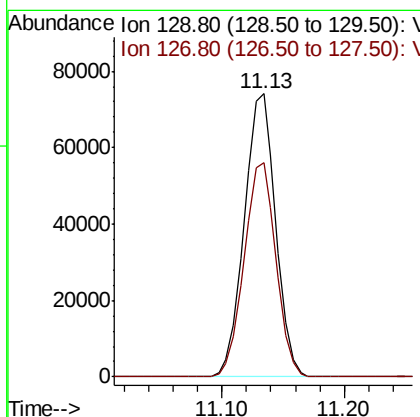
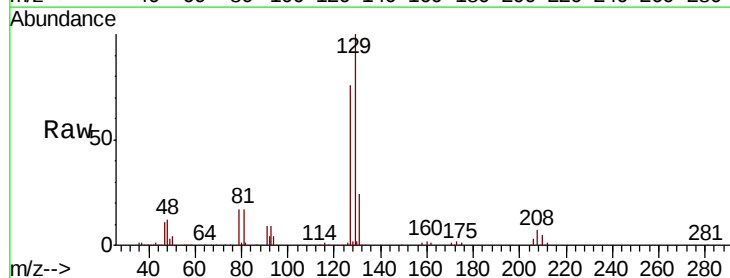
Manual Integrations  
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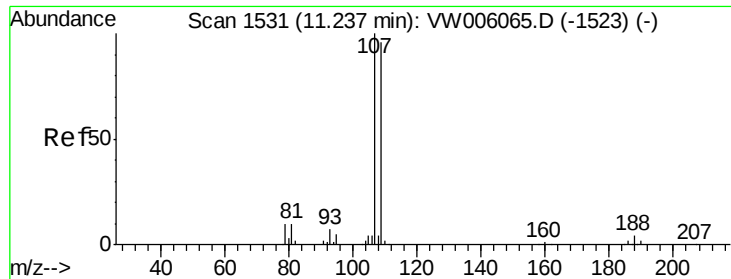
apatel  
10/18/2018 4:39:48 PM



#60  
Dibromochloromethane  
Concen: 53.925 ug/l  
RT: 11.13 min Scan# 1514  
Delta R.T. 0.00 min  
Lab File: VW006144.D  
Acq: 18 Oct 2018 00:38

| Tgt Ion   | 129 | Resp | 132215 |
|-----------|-----|------|--------|
| Ion Ratio | 129 | 100  |        |
| Lower     | 127 | 76.5 | 38.6   |
| Upper     |     |      | 115.7  |





#61

1,2-Dibromoethane

Concen: 54.737 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW006144.D

Acq: 18 Oct 2018 00:38

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 107656

Ion Ratio Lower Upper

107 100

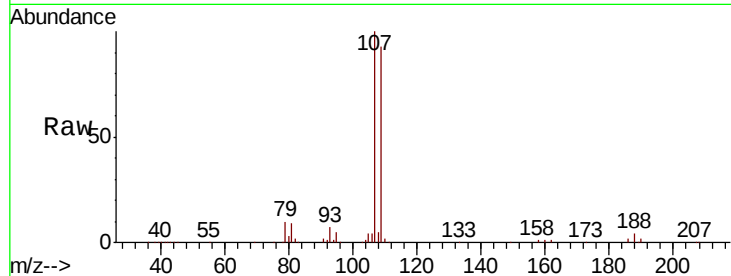
109 94.5 76.3 114.5

Manual Integrations

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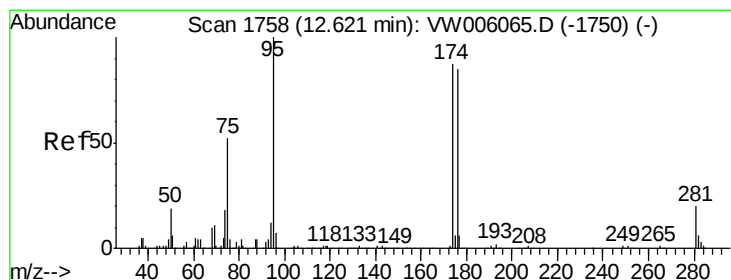
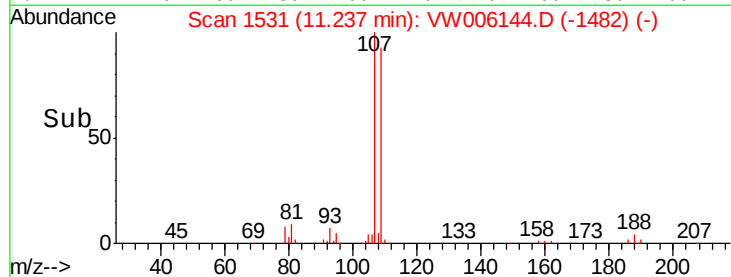
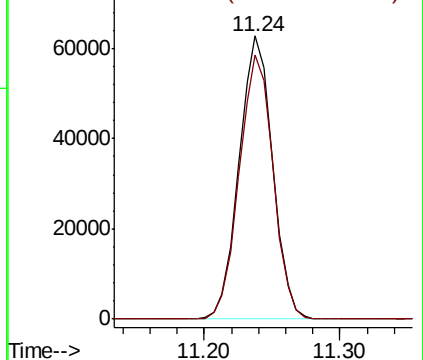
apatel

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.902 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006144.D

Acq: 18 Oct 2018 00:38

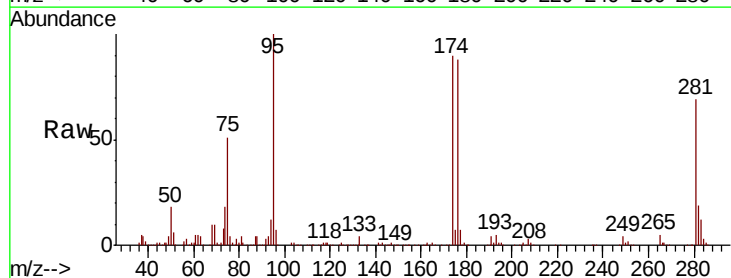
Tgt Ion: 95 Resp: 175317

Ion Ratio Lower Upper

95 100

174 93.9 0.0 186.0

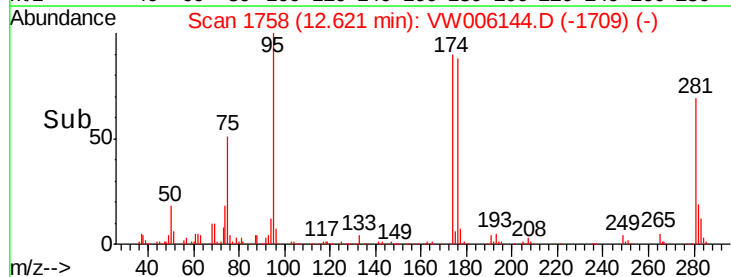
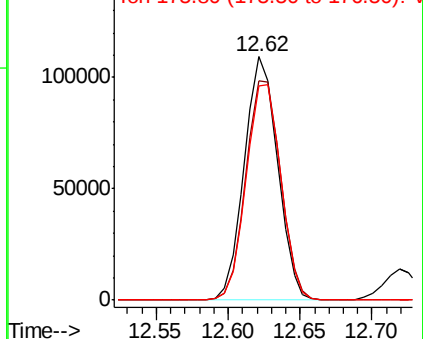
176 92.0 0.0 181.6

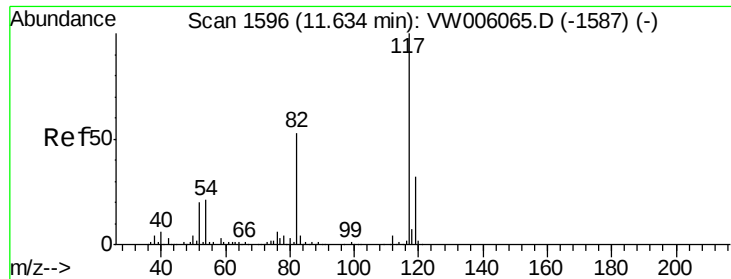


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





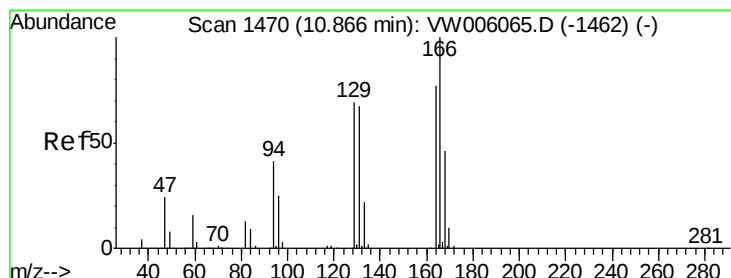
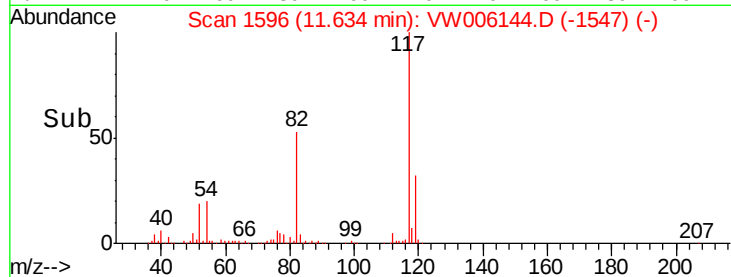
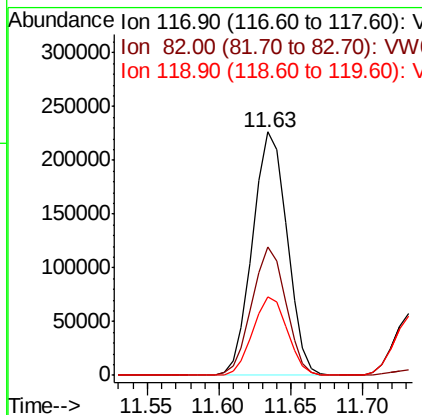
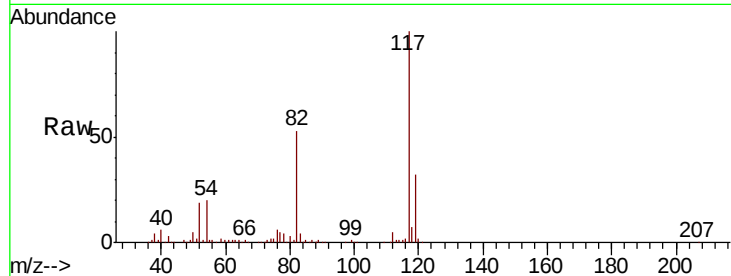
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW006144.D  
Acq: 18 Oct 2018 00:38

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 376527 |       |       |
| 82      | 52.6  |        | 42.1  | 63.1  |
| 119     | 32.3  |        | 25.8  | 38.6  |

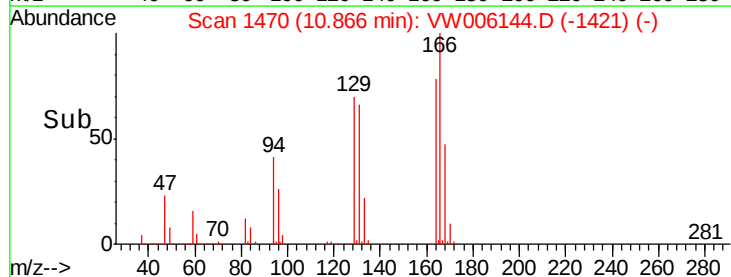
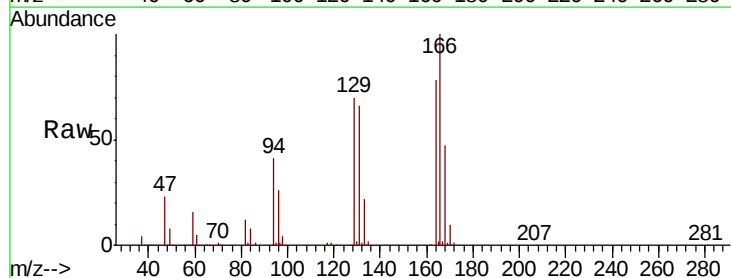
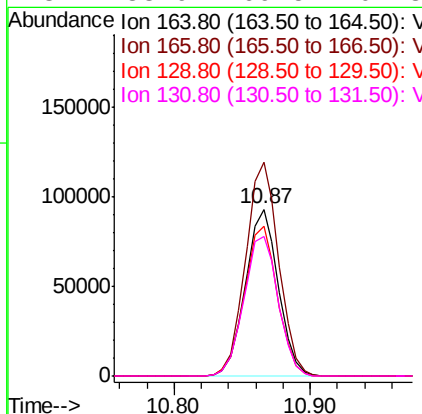
Manual Integrations  
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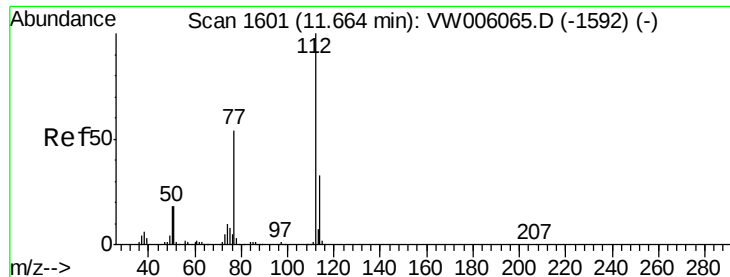
apatel  
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#64  
Tetrachloroethene  
Concen: 53.610 ug/l  
RT: 10.87 min Scan# 1470  
Delta R.T. 0.00 min  
Lab File: VW006144.D  
Acq: 18 Oct 2018 00:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 156703 |       |       |
| 166     | 128.1 |        | 103.4 | 155.0 |
| 129     | 89.7  |        | 71.8  | 107.8 |
| 131     | 83.9  |        | 69.5  | 104.3 |





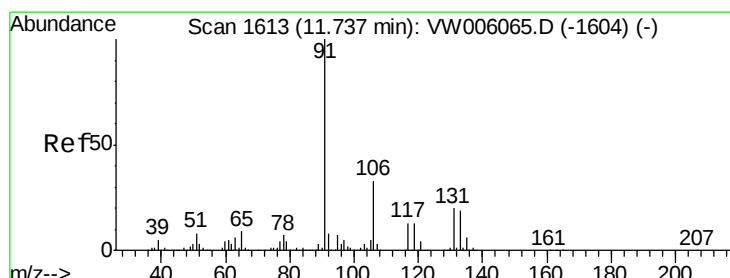
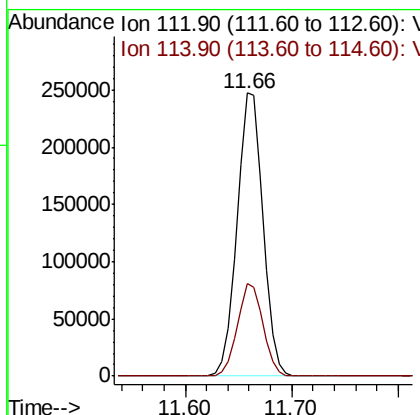
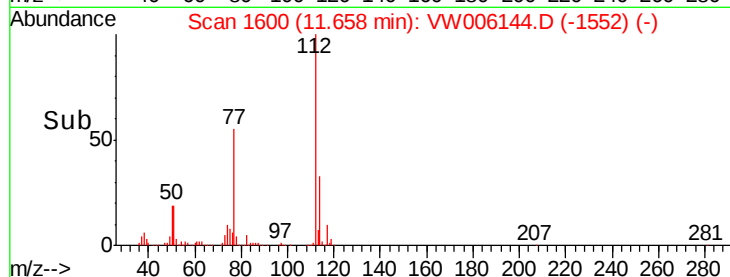
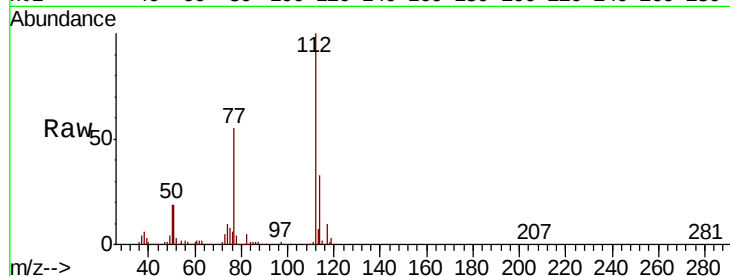
#65  
Chlorobenzene  
Concen: 52.387 ug/l  
RT: 11.66 min Scan# 1600  
Delta R.T. -0.01 min  
Lab File: VW006144.D  
Acq: 18 Oct 2018 00:38

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

Tot Ion:112 Resp: 422259  
Ion Ratio Lower Upper  
112 100  
114 32.8 26.2 39.2

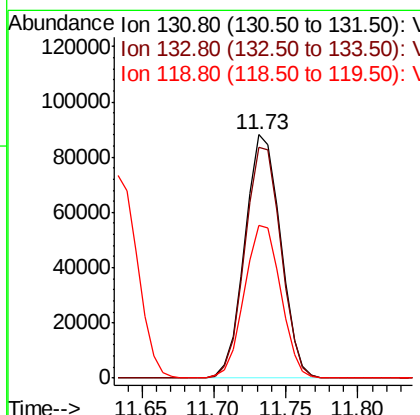
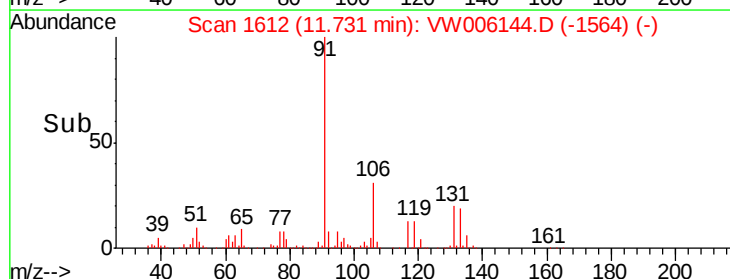
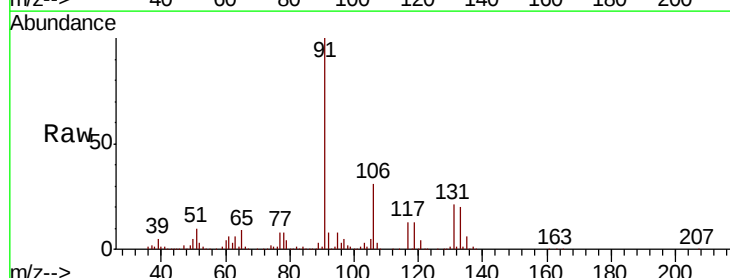
Manual Integrations  
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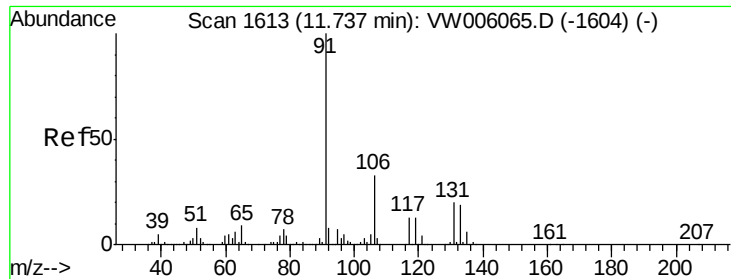
apatel  
10/18/2018 4:39:48 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 52.710 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. -0.01 min  
Lab File: VW006144.D  
Acq: 18 Oct 2018 00:38

Tgt Ion:131 Resp: 150986  
Ion Ratio Lower Upper  
131 100  
133 96.1 48.1 144.3  
119 64.0 31.6 94.7





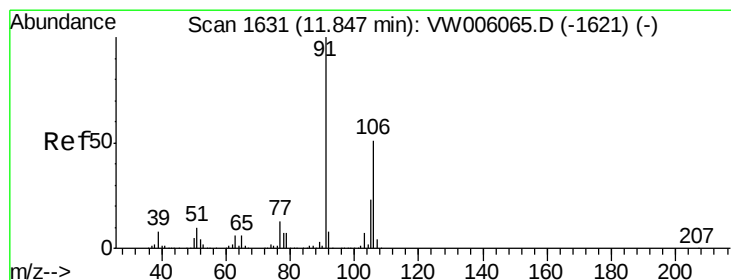
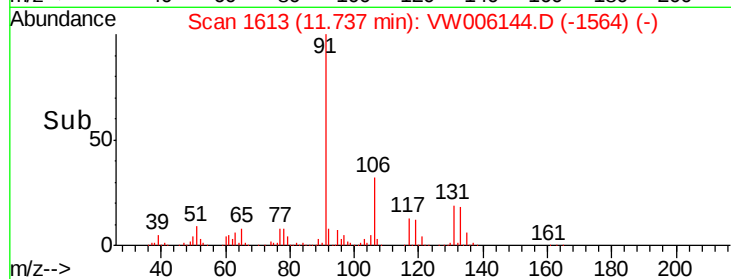
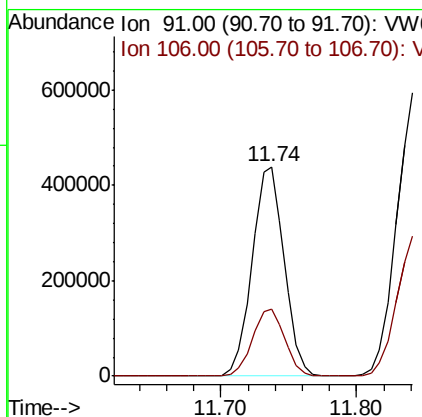
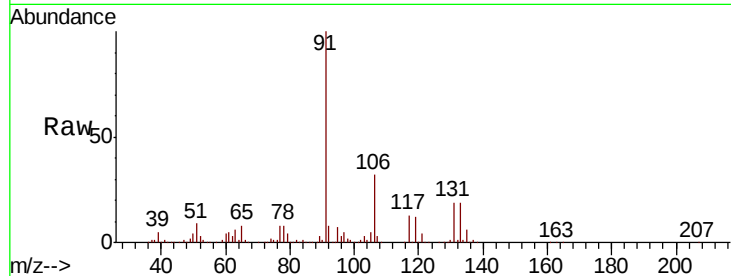
#67  
Ethyl Benzene  
Concen: 51.917 ug/l  
RT: 11.74 min Scan# 1613  
Delta R.T. 0.00 min  
Lab File: VW006144.D  
Acq: 18 Oct 2018 00:38

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

Tot Ion: 91 Resp: 725216  
Ion Ratio Lower Upper  
91 100  
106 32.0 26.1 39.1

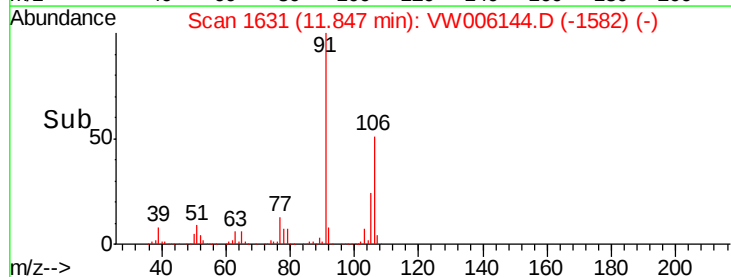
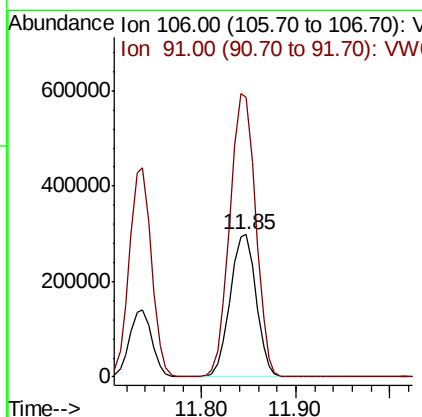
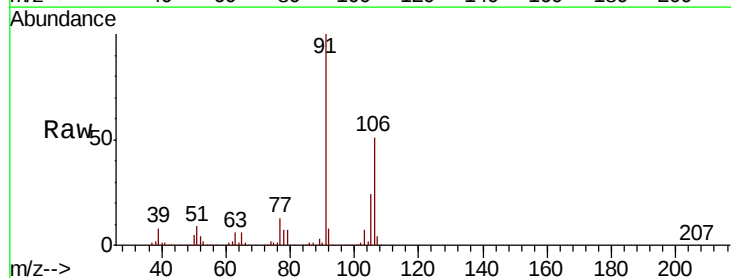
Manual Integrations  
APPROVED

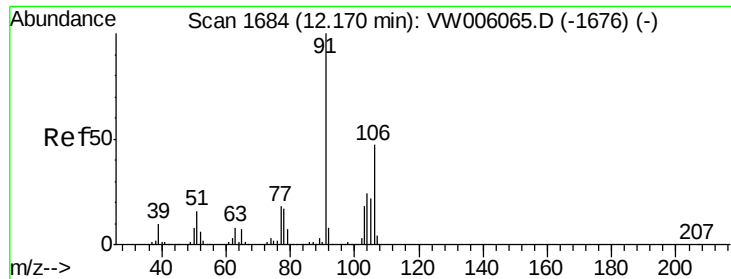
apatel  
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#68  
m/p-Xylenes  
Concen: 103.346 ug/l  
RT: 11.85 min Scan# 1631  
Delta R.T. 0.00 min  
Lab File: VW006144.D  
Acq: 18 Oct 2018 00:38

Tgt Ion: 106 Resp: 570594  
Ion Ratio Lower Upper  
106 100  
91 199.3 159.1 238.7





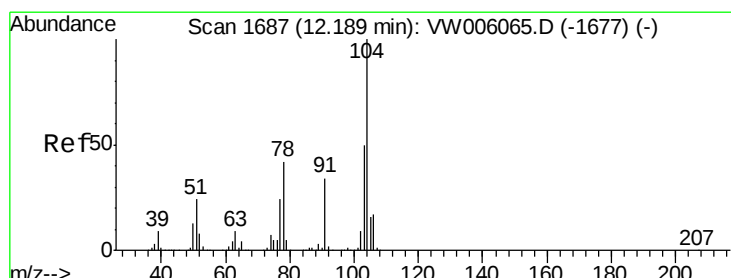
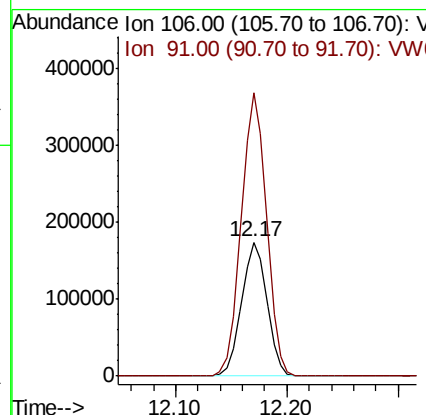
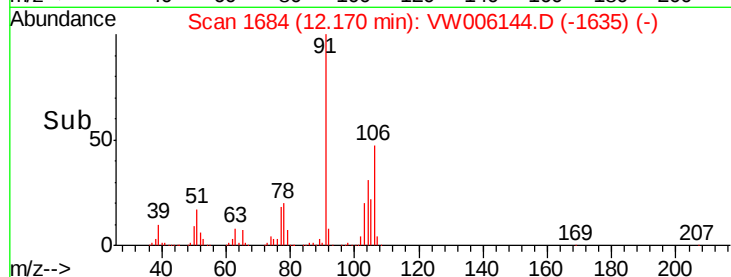
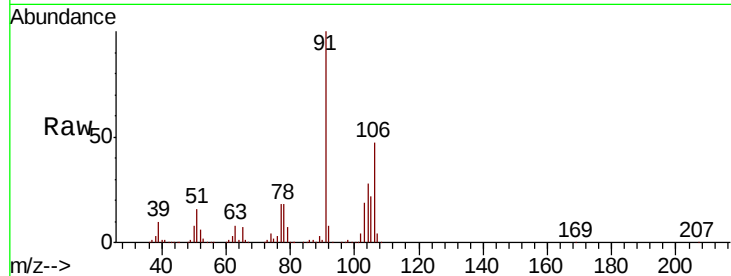
#69  
o-Xylene  
Concen: 52.133 ug/l  
RT: 12.17 min Scan# 1684  
Delta R.T. 0.00 min  
Lab File: VW006144.D  
Acq: 18 Oct 2018 00:38

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

Tot Ion:106 Resp: 274317  
Ion Ratio Lower Upper  
106 100  
91 210.8 105.4 316.1

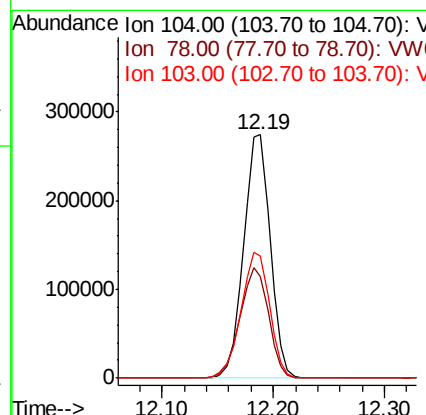
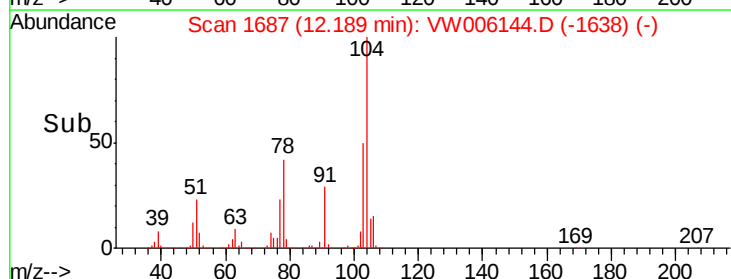
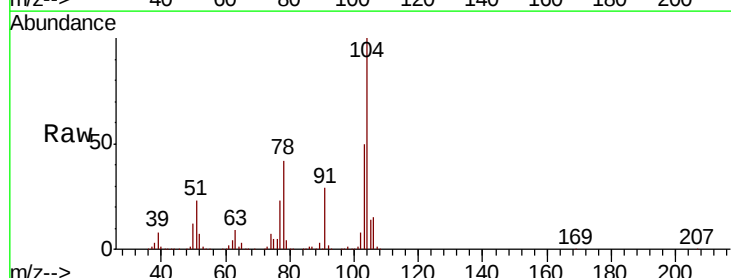
Manual Integrations  
APPROVED

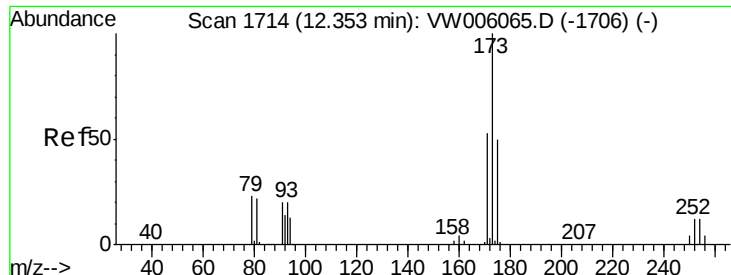
apatel  
10/18/2018 4:39:48 PM



#70  
Styrene  
Concen: 53.015 ug/l  
RT: 12.19 min Scan# 1687  
Delta R.T. 0.00 min  
Lab File: VW006144.D  
Acq: 18 Oct 2018 00:38

Tgt Ion:104 Resp: 453623  
Ion Ratio Lower Upper  
104 100  
78 48.7 39.1 58.7  
103 55.5 44.3 66.5





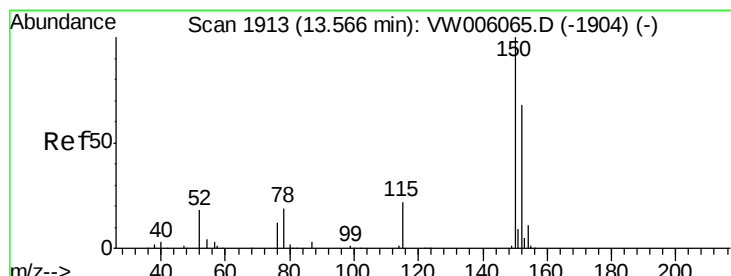
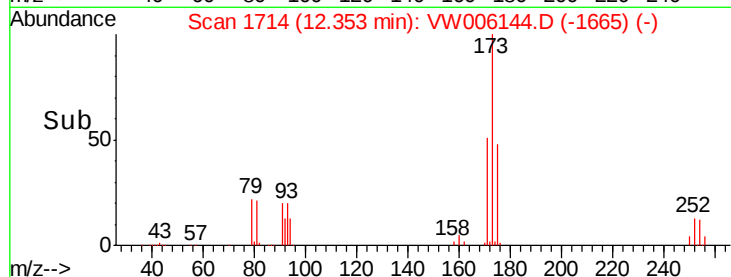
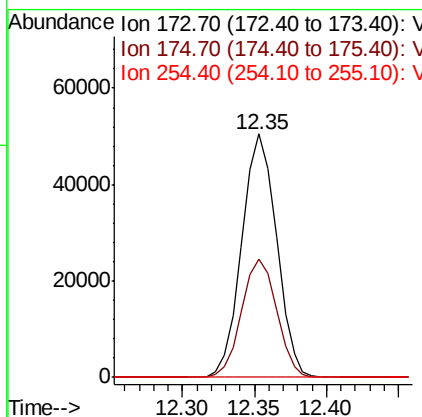
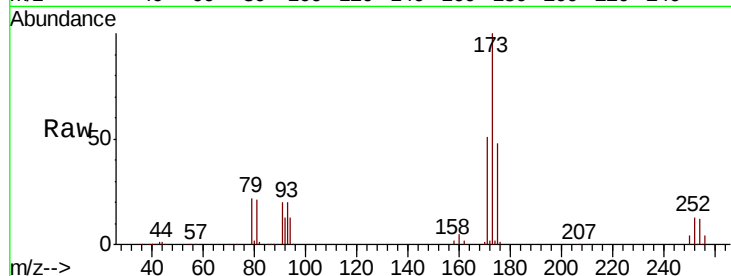
#71  
Bromoform  
Concen: 52.941 ug/l  
RT: 12.35 min Scan# 1714  
Delta R.T. 0.00 min  
Lab File: VW006144.D  
Acq: 18 Oct 2018 00:38

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.0  | 24.2  | 72.6  |
| 254     | 0.1   | 0.1   | 0.1#  |

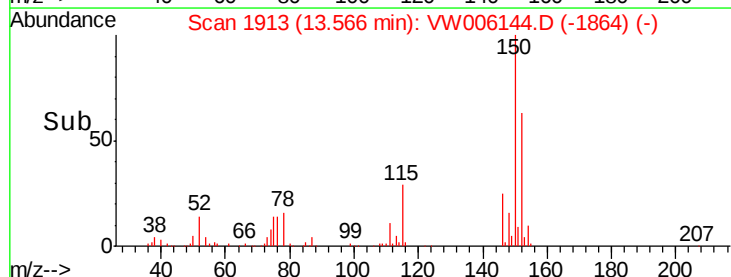
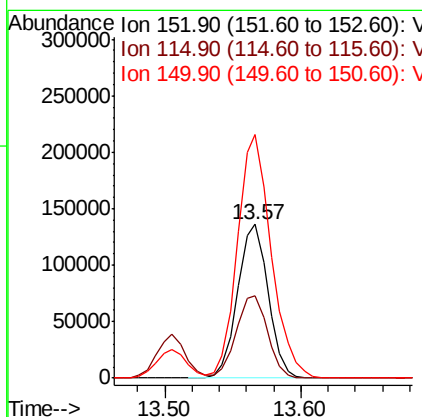
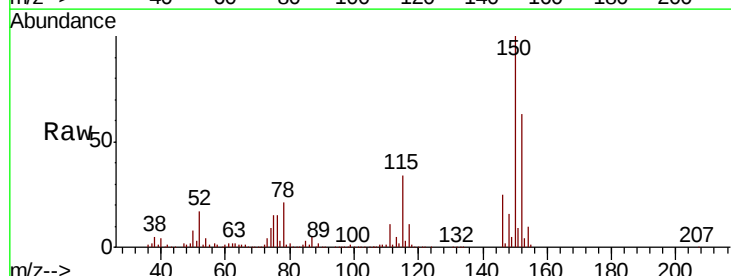
Manual Integrations  
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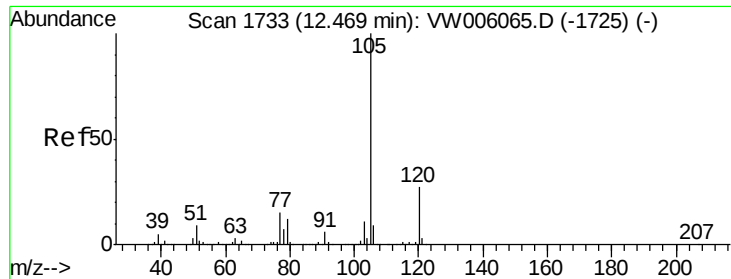
apatel  
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#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.57 min Scan# 1913  
Delta R.T. 0.00 min  
Lab File: VW006144.D  
Acq: 18 Oct 2018 00:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 54.8  | 27.8  | 83.3  |
| 150     | 174.8 | 0.0   | 349.2 |





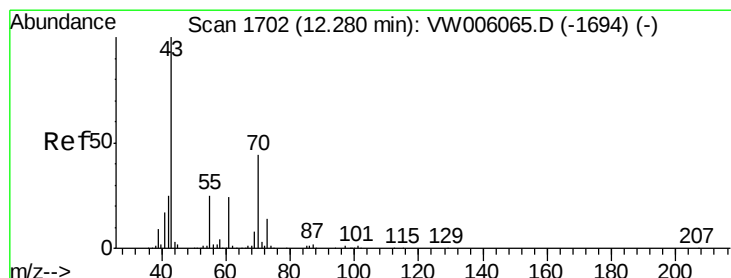
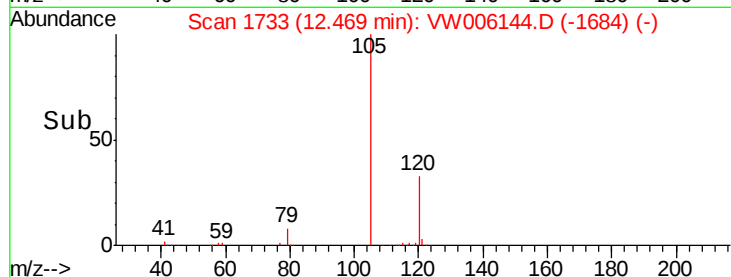
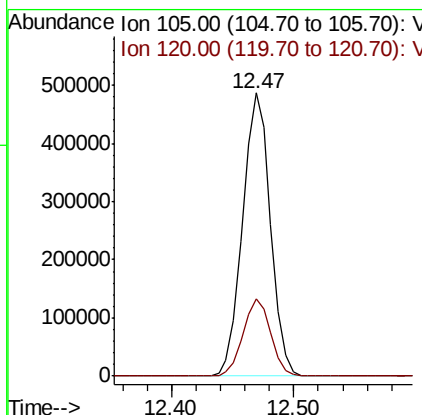
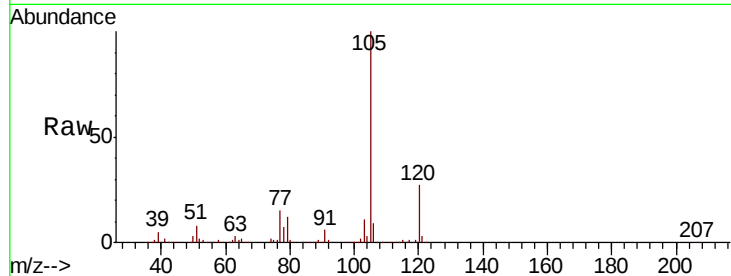
#73  
Isopropylbenzene  
Concen: 50.734 ug/l  
RT: 12.47 min Scan# 1733  
Delta R.T. 0.00 min  
Lab File: VW006144.D  
Acq: 18 Oct 2018 00:38

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 27.1  | 13.6  | 40.7  |

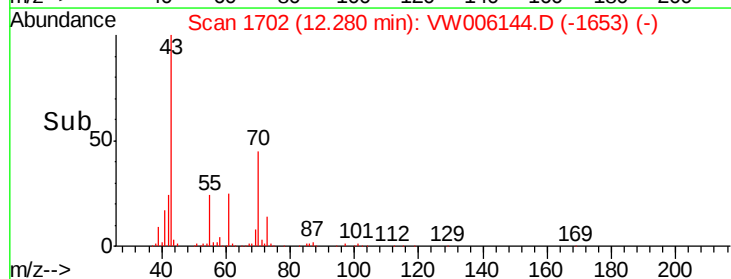
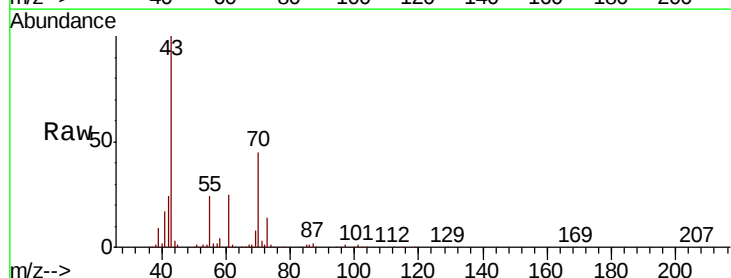
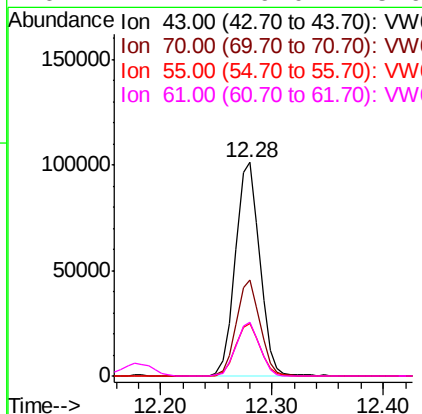
Manual Integrations  
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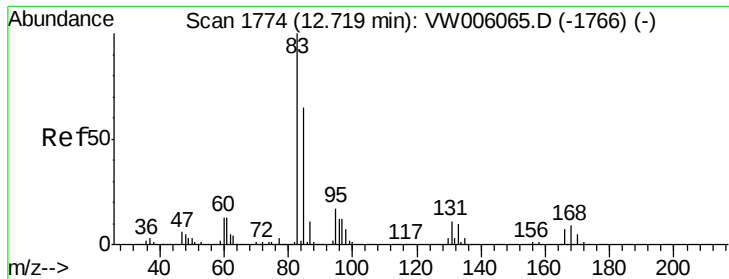
apatel  
10/18/2018 4:39:48 PM



#74  
N-ethyl acetate  
Concen: 52.607 ug/l  
RT: 12.28 min Scan# 1702  
Delta R.T. 0.00 min  
Lab File: VW006144.D  
Acq: 18 Oct 2018 00:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 70      | 43.8  | 34.2  | 51.4  |
| 55      | 24.6  | 19.2  | 28.8  |
| 61      | 24.7  | 19.0  | 28.6  |





#75

1,1,2,2-Tetrachloroethane

Concen: 53.675 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006144.D

Acq: 18 Oct 2018 00:38

Instrument :

MSVOA\_W

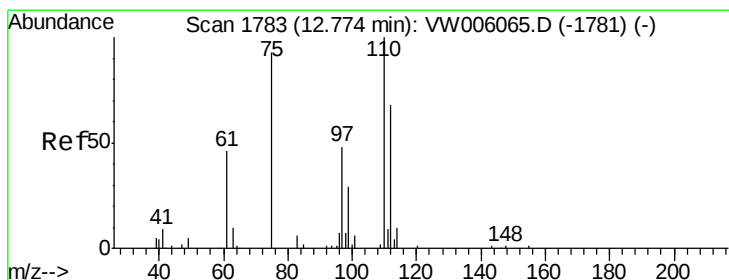
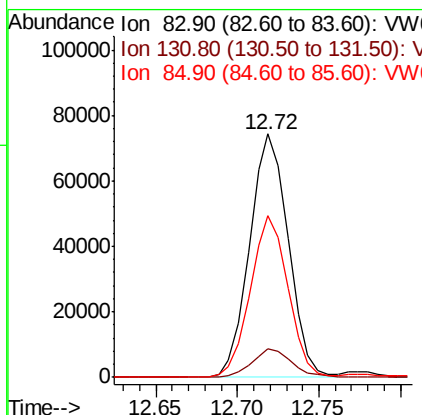
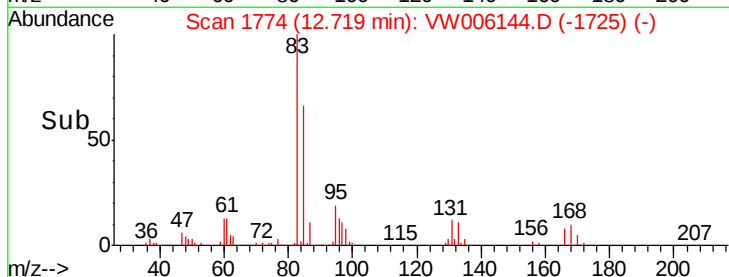
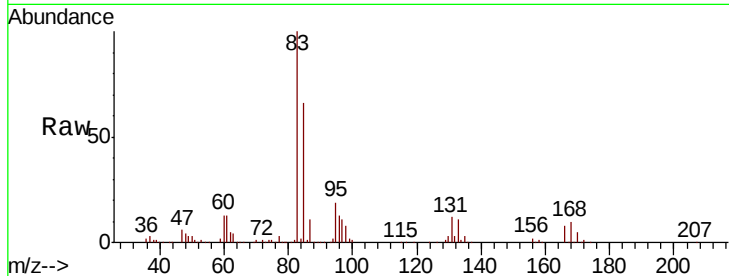
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 122977 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 12.0  | 5.9   | 17.7   |
| 85        | 64.6  | 31.9  | 95.9   |

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#76

1,2,3-Trichloropropane

Concen: 60.145 ug/l m

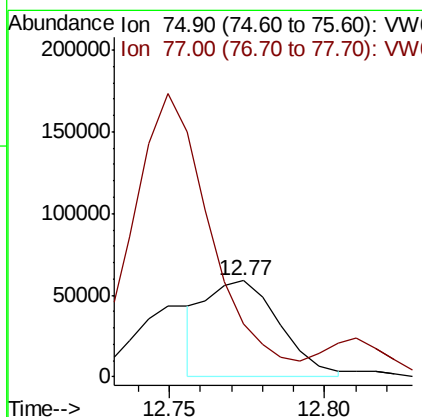
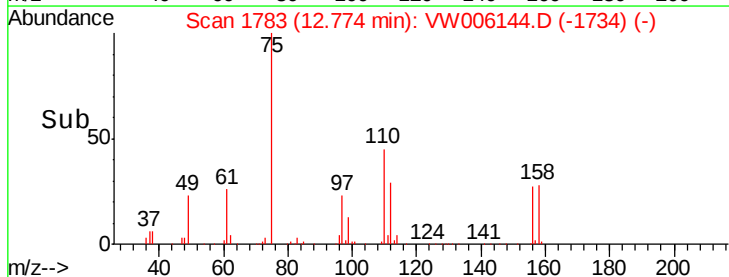
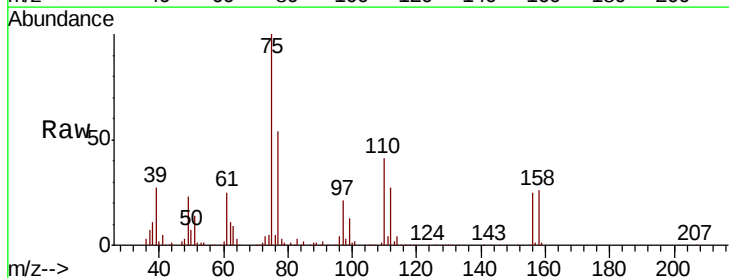
RT: 12.77 min Scan# 1783

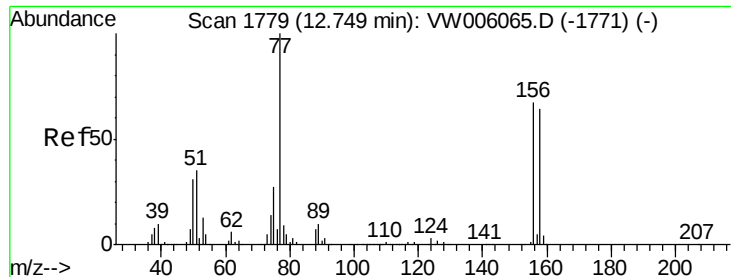
Delta R.T. 0.00 min

Lab File: VW006144.D

Acq: 18 Oct 2018 00:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 97955 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 52.742 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW006144.D

Acq: 18 Oct 2018 00:38

Instrument :

MSVOA\_W

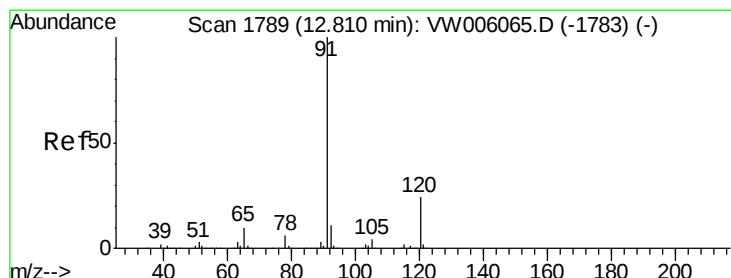
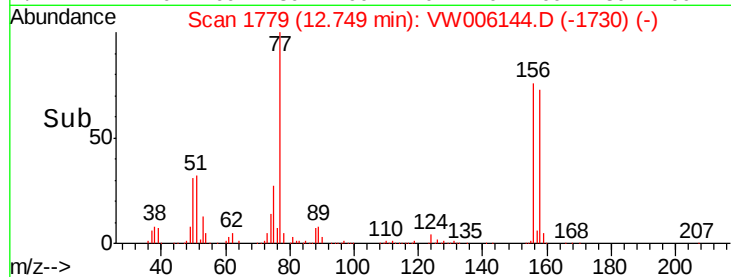
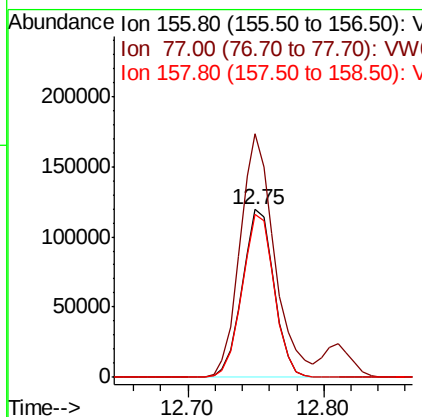
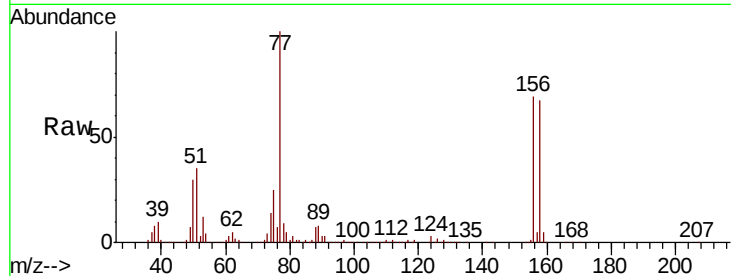
ClientSampleId :

VSTDCCC050

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 156     | 100   |       | 194599 |       |       |
| 77      | 157.3 | 79.1  | 237.4  |       |       |
| 158     | 97.8  | 48.5  | 145.6  |       |       |

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#78

n-propylbenzene

Concen: 50.551 ug/l

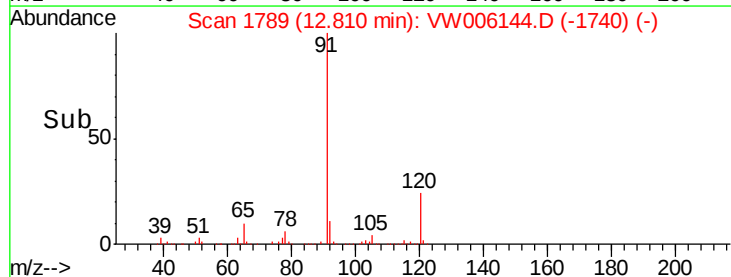
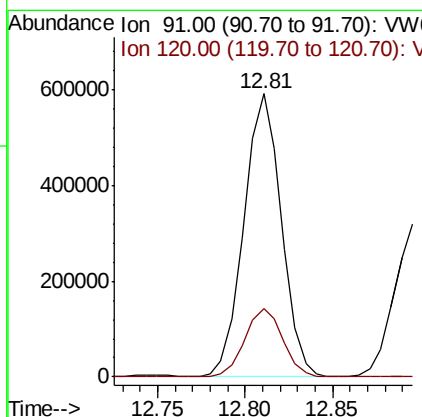
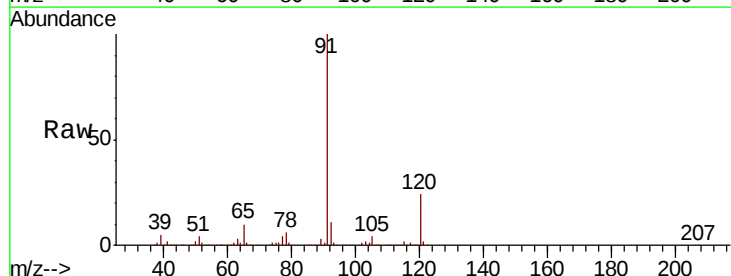
RT: 12.81 min Scan# 1789

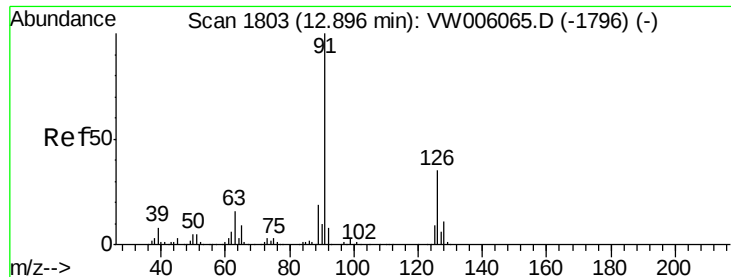
Delta R.T. 0.00 min

Lab File: VW006144.D

Acq: 18 Oct 2018 00:38

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 91      | 100  |       | 885949 |       |       |
| 120     | 24.5 | 12.2  | 36.6   |       |       |





#79

2-Chlorotoluene

Concen: 51.641 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW006144.D

Acq: 18 Oct 2018 00:38

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 508508

Ion Ratio Lower Upper

91 100

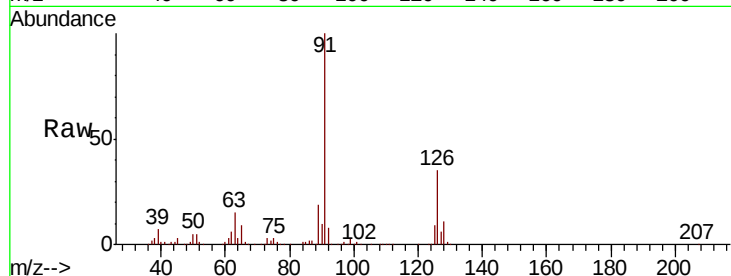
126 35.9 17.9 53.8

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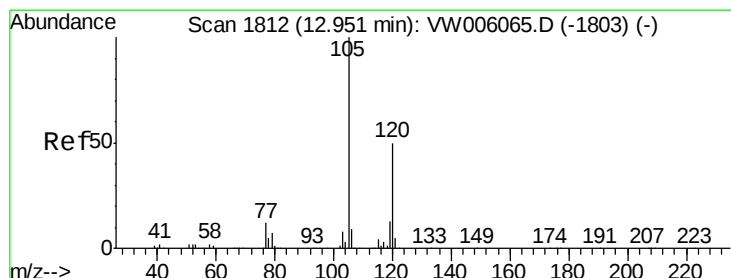
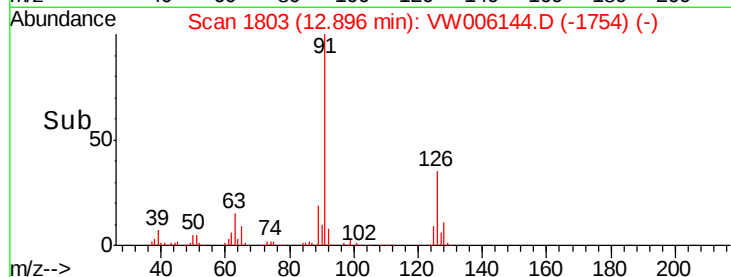
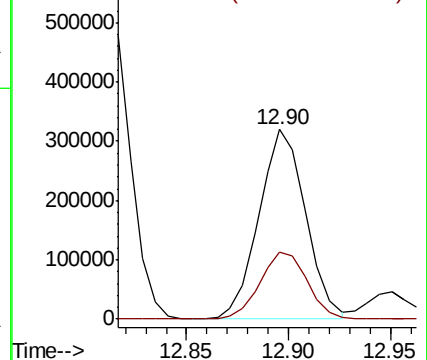
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 51.367 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW006144.D

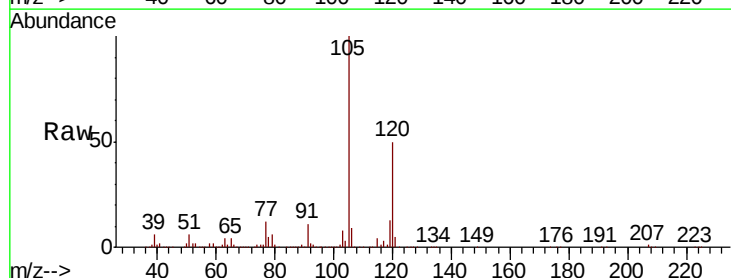
Acq: 18 Oct 2018 00:38

Tgt Ion:105 Resp: 652319

Ion Ratio Lower Upper

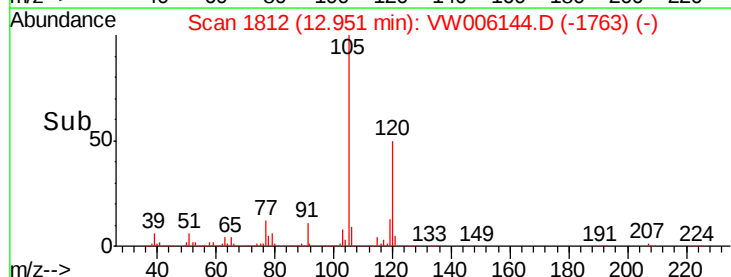
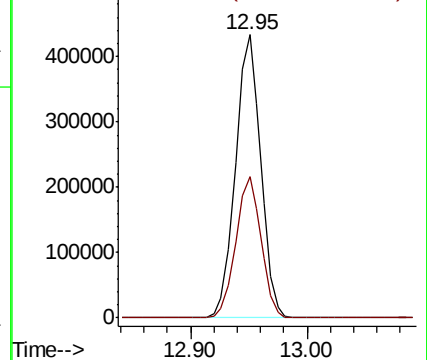
105 100

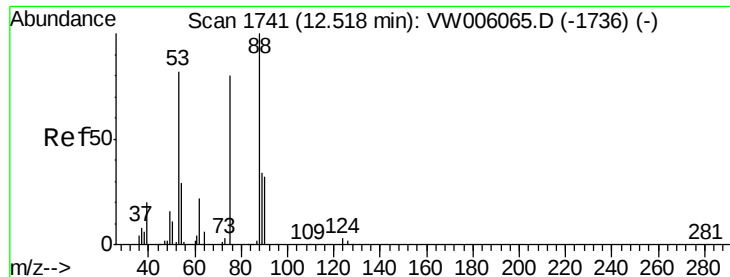
120 49.8 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





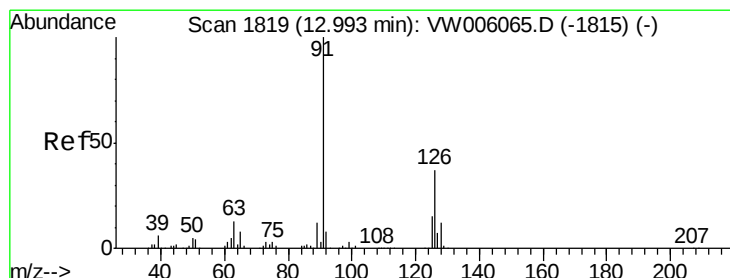
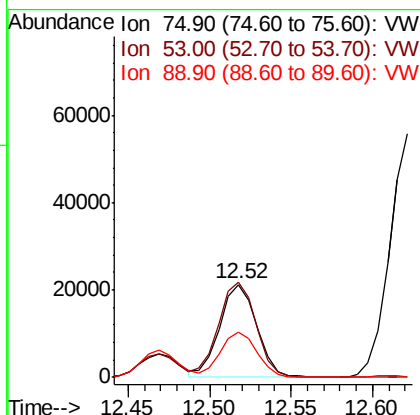
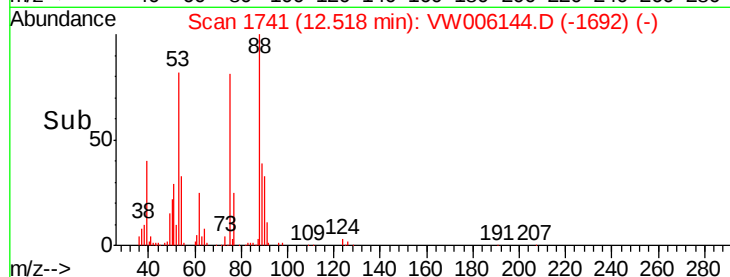
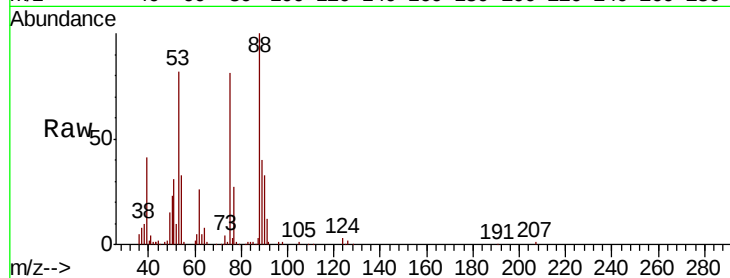
#81  
trans-1,4-Dichloro-2-butene  
Concen: 49.810 ug/l  
RT: 12.52 min Scan# 1741  
Delta R.T. 0.00 min  
Lab File: VW006144.D  
Acq: 18 Oct 2018 00:38

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 103.2 | 79.8  | 119.6 |
| 89      | 47.6  | 37.5  | 56.3  |

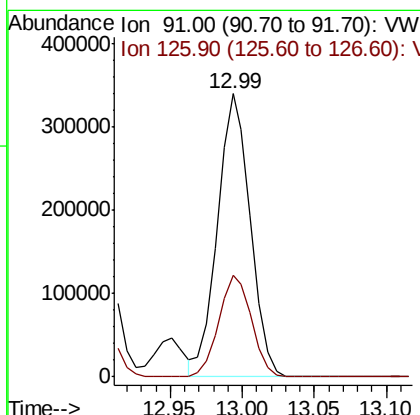
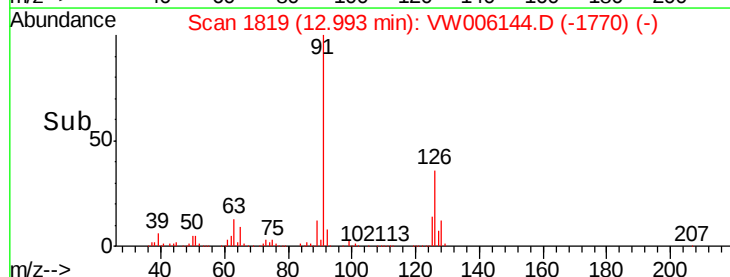
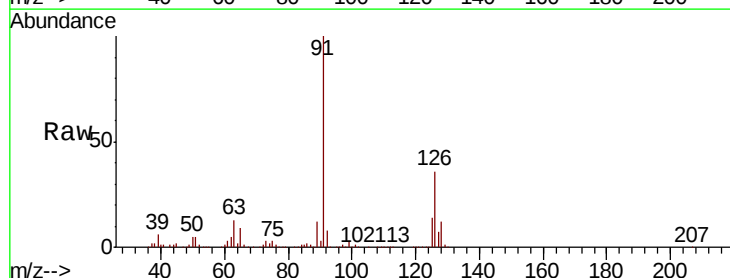
Manual Integrations  
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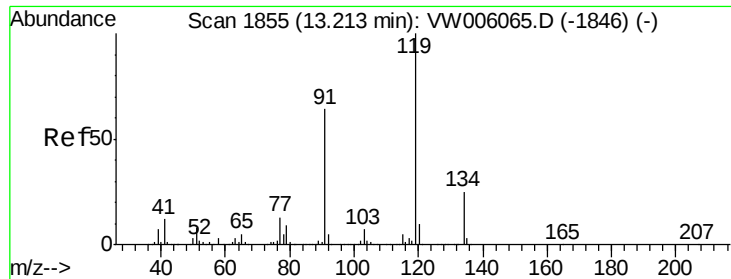
apatel  
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#82  
4-Chlorotoluene  
Concen: 52.272 ug/l  
RT: 12.99 min Scan# 1819  
Delta R.T. 0.00 min  
Lab File: VW006144.D  
Acq: 18 Oct 2018 00:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 36.1  | 18.1  | 54.3  |





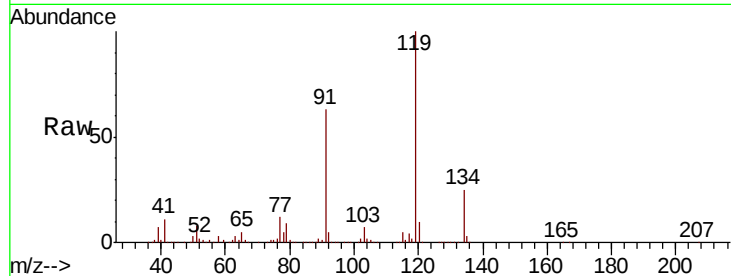
#83  
tert-Butylbenzene  
Concen: 51.122 ug/l  
RT: 13.21 min Scan# 1855  
Delta R.T. 0.00 min  
Lab File: VW006144.D  
Acq: 18 Oct 2018 00:38

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 580851 |       |       |
| 91      | 63.0  |        | 32.3  | 96.9  |
| 134     | 26.9  |        | 13.6  | 40.8  |

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apatel  
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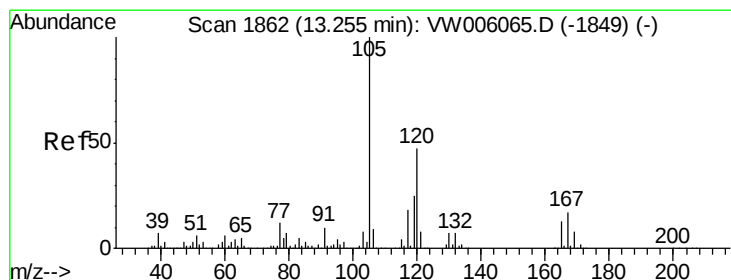
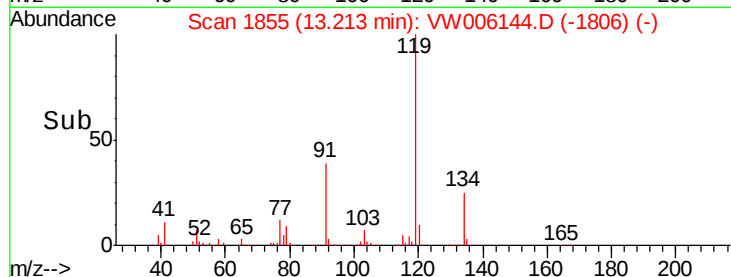
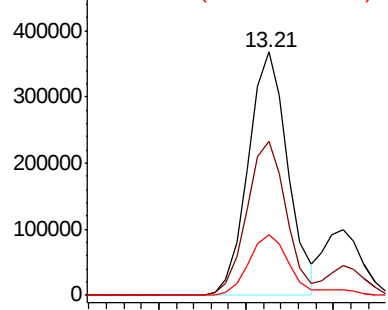


Abundance

Ion 119.00 (118.70 to 119.70): V

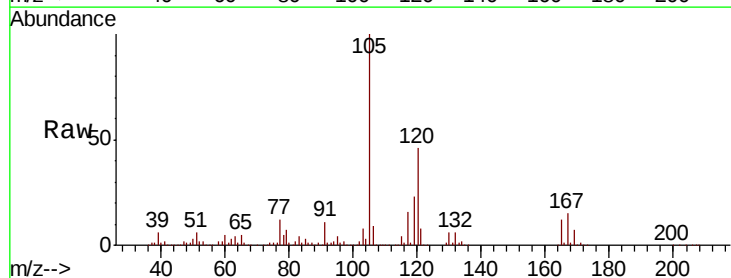
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84  
1,2,4-Trimethylbenzene  
Concen: 51.738 ug/l  
RT: 13.26 min Scan# 1862  
Delta R.T. 0.00 min  
Lab File: VW006144.D  
Acq: 18 Oct 2018 00:38

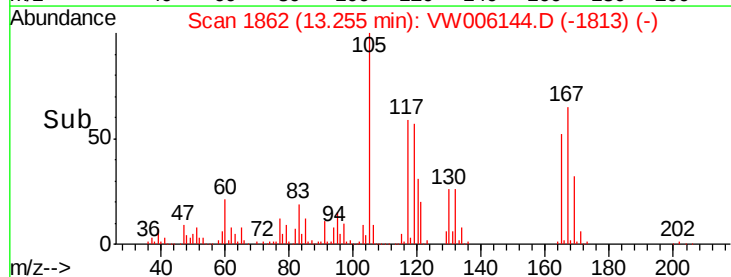
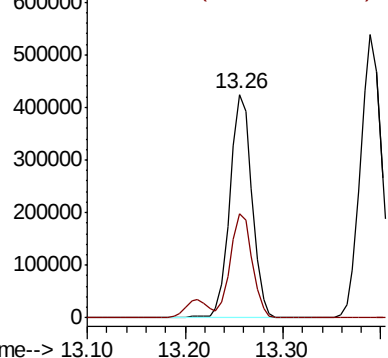
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 664856 |       |       |
| 120     | 46.0  |        | 23.1  | 69.3  |

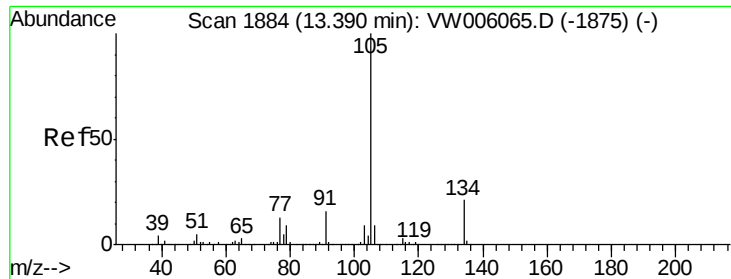


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





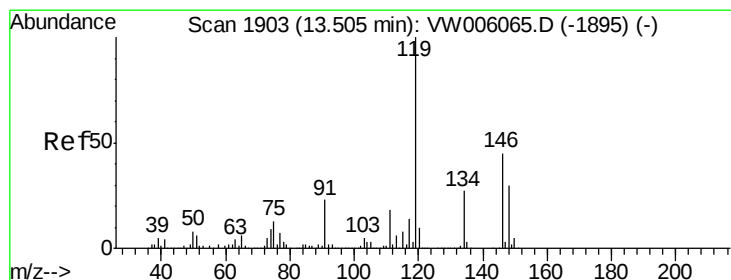
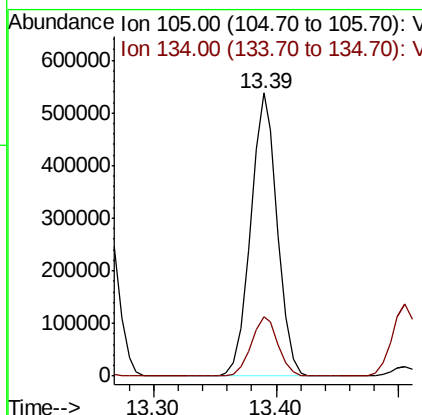
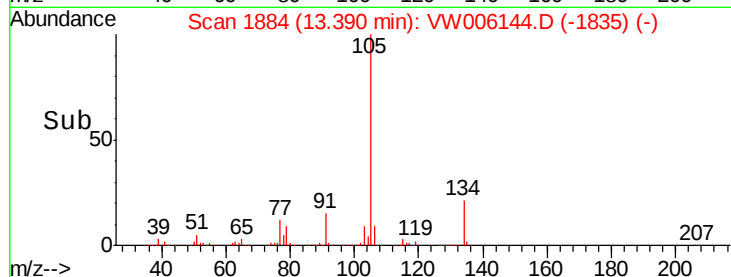
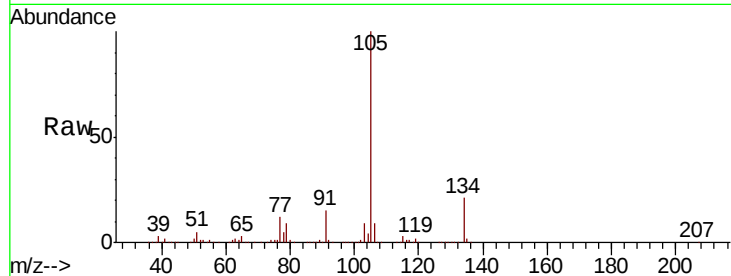
#85  
 sec-Butylbenzene  
 Concen: 50.524 ug/l  
 RT: 13.39 min Scan# 1884  
 Delta R.T. 0.00 min  
 Lab File: VW006144.D  
 Acq: 18 Oct 2018 00:38

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 21.2  | 10.5  | 31.6  |

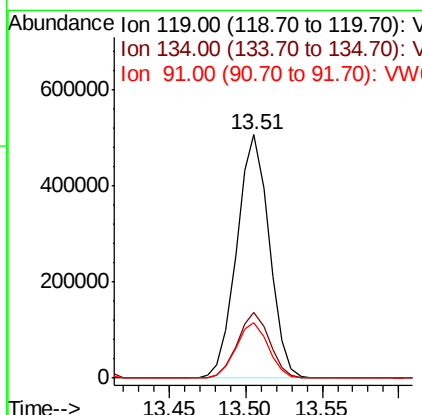
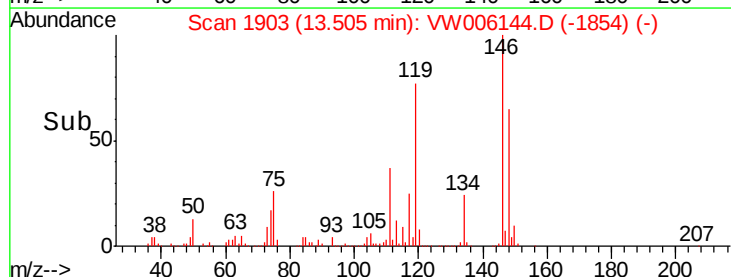
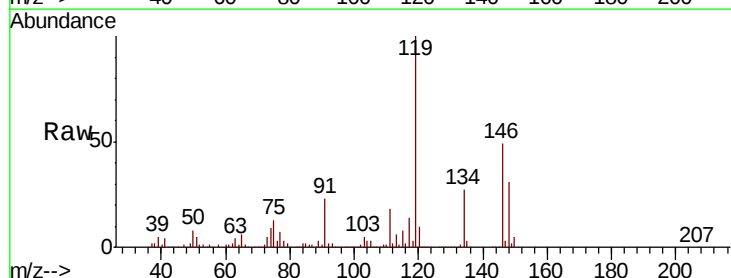
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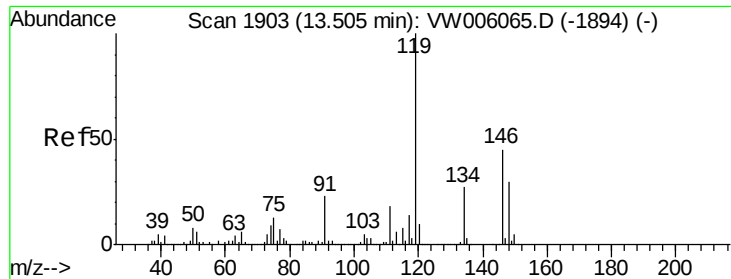
apatel  
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#86  
 p-Isopropyltoluene  
 Concen: 51.111 ug/l  
 RT: 13.51 min Scan# 1903  
 Delta R.T. 0.00 min  
 Lab File: VW006144.D  
 Acq: 18 Oct 2018 00:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 26.9  | 13.4  | 40.2  |
| 91      | 22.8  | 11.4  | 34.1  |





#87

1,3-Dichlorobenzene

Concen: 52.319 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006144.D

Acq: 18 Oct 2018 00:38

Instrument :

MSVOA\_W

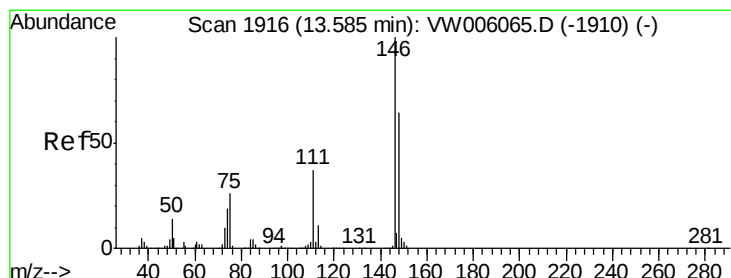
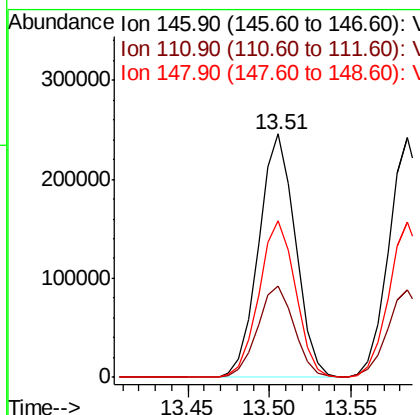
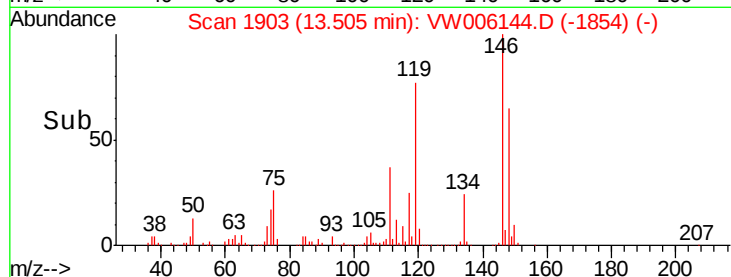
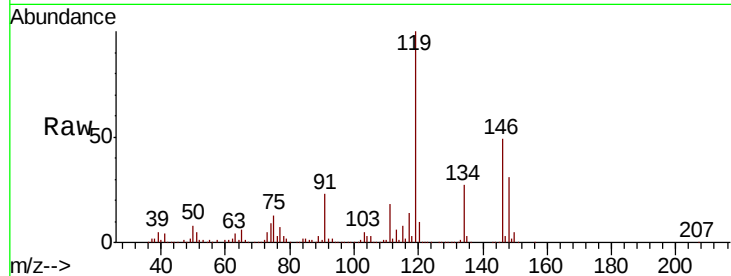
ClientSampleId :

VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.5  | 19.1  | 57.5  |
| 148     | 64.3  | 32.0  | 96.2  |

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#88

1,4-Dichlorobenzene

Concen: 51.853 ug/l

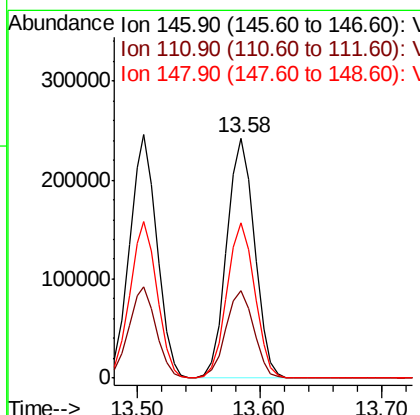
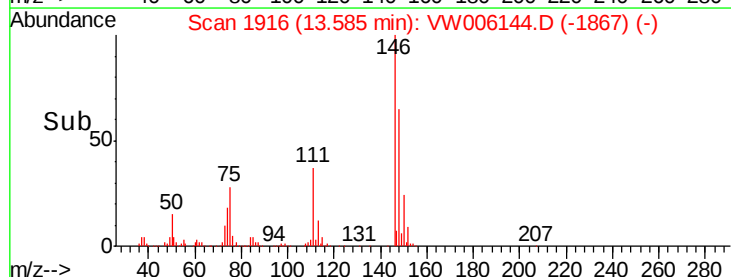
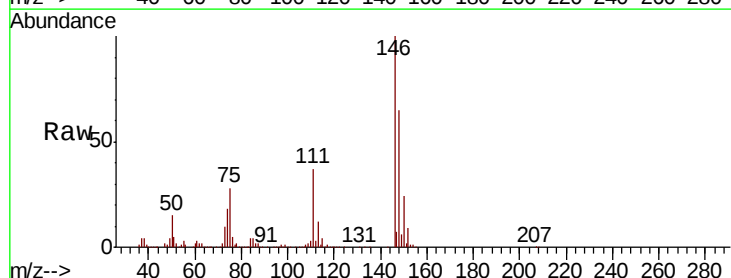
RT: 13.58 min Scan# 1916

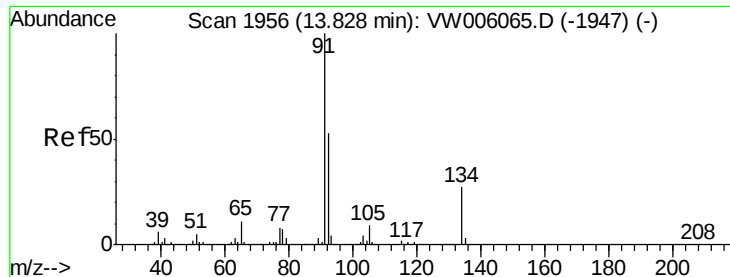
Delta R.T. 0.00 min

Lab File: VW006144.D

Acq: 18 Oct 2018 00:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.0  | 18.6  | 56.0  |
| 148     | 64.7  | 32.1  | 96.5  |





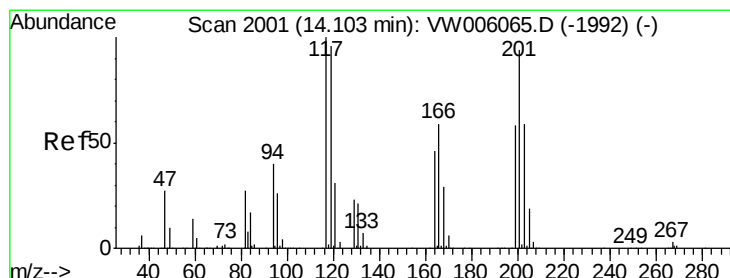
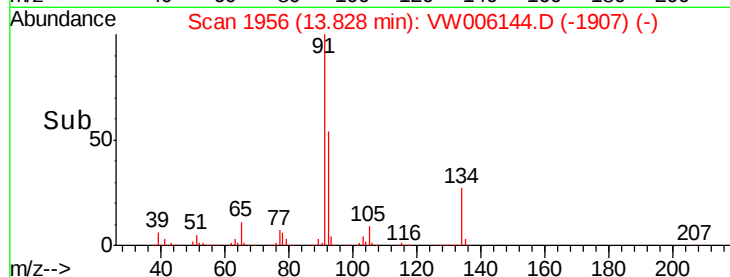
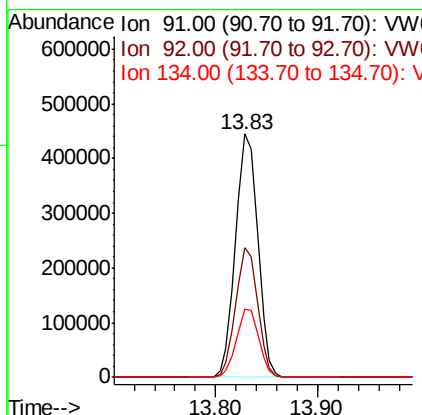
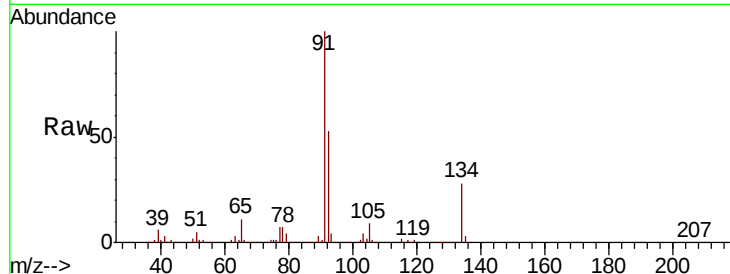
#89  
n-Butylbenzene  
Concen: 50.431 ug/l  
RT: 13.83 min Scan# 1956  
Delta R.T. 0.00 min  
Lab File: VW006144.D  
Acq: 18 Oct 2018 00:38

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.4  | 26.6  | 79.7  |
| 134     | 28.2  | 14.0  | 41.9  |

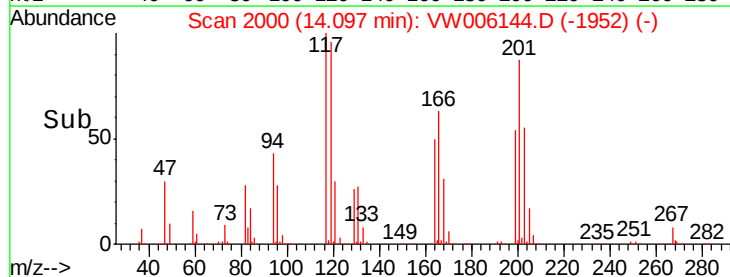
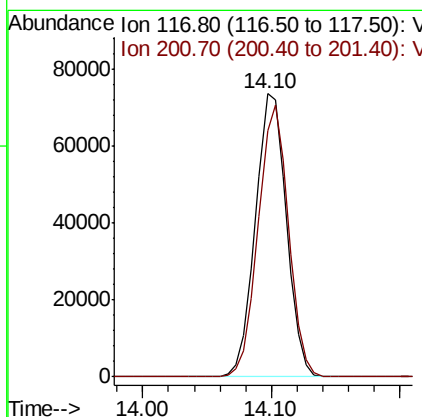
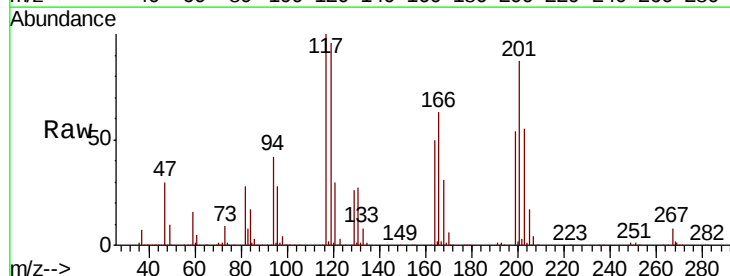
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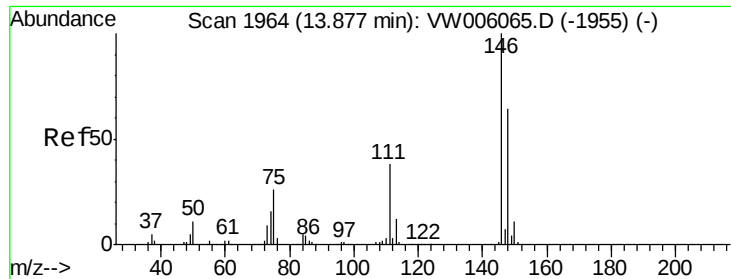
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#90  
Hexachloroethane  
Concen: 49.708 ug/l  
RT: 14.10 min Scan# 2000  
Delta R.T. -0.01 min  
Lab File: VW006144.D  
Acq: 18 Oct 2018 00:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 93.8  | 45.3  | 135.9 |





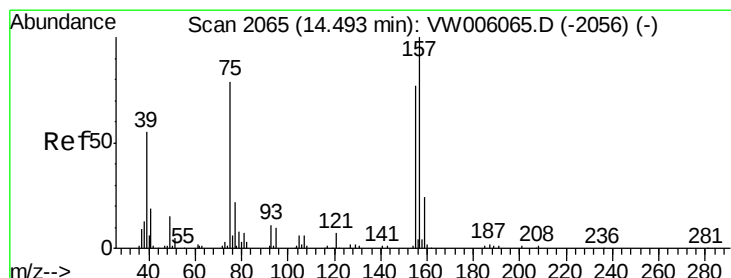
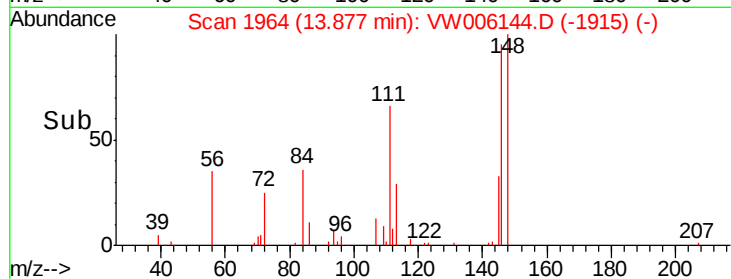
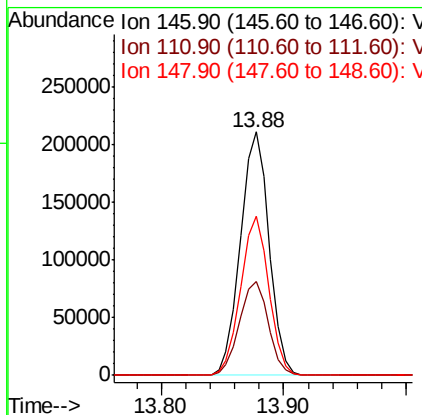
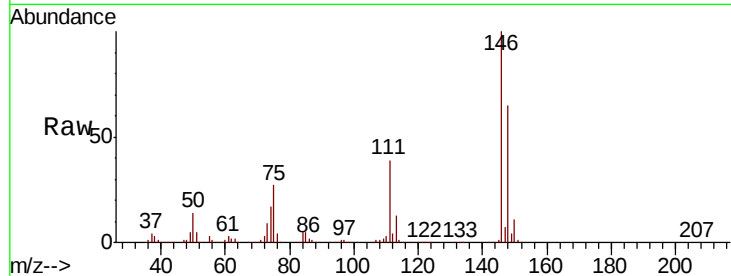
#91  
 1,2-Dichlorobenzene  
 Concen: 52.302 ug/l  
 RT: 13.88 min Scan# 1964  
 Delta R.T. 0.00 min  
 Lab File: VW006144.D  
 Acq: 18 Oct 2018 00:38

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.2  | 19.6  | 58.7  |
| 148     | 64.3  | 32.2  | 96.6  |

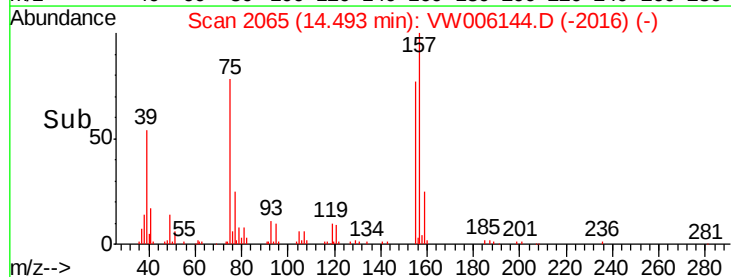
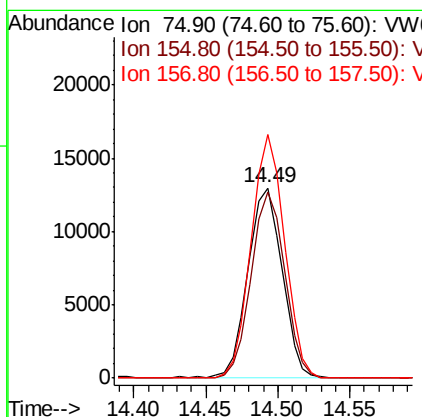
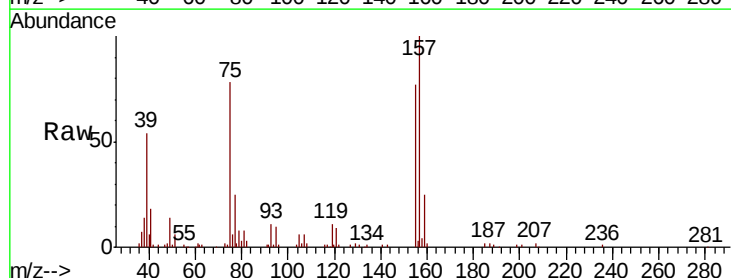
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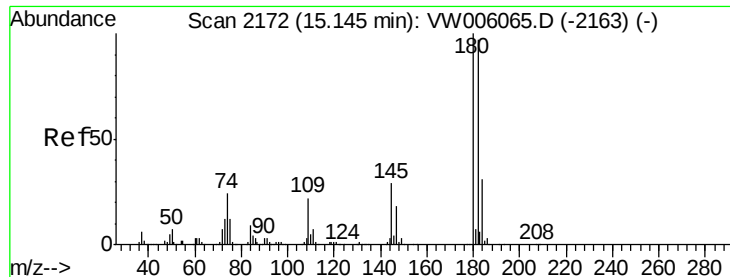
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 52.127 ug/l  
 RT: 14.49 min Scan# 2065  
 Delta R.T. 0.00 min  
 Lab File: VW006144.D  
 Acq: 18 Oct 2018 00:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 95.4  | 46.5  | 139.5 |
| 157     | 124.3 | 59.8  | 179.4 |





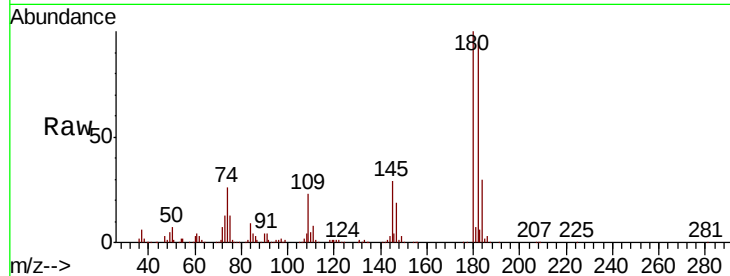
#93  
 1,2,4-Trichlorobenzene  
 Concen: 52.142 ug/l  
 RT: 15.14 min Scan# 2171  
 Delta R.T. -0.01 min  
 Lab File: VW006144.D  
 Acq: 18 Oct 2018 00:38

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 262786 |       |       |
| 182     | 95.2  | 47.9   | 143.6 |       |
| 145     | 28.9  | 14.2   | 42.8  |       |

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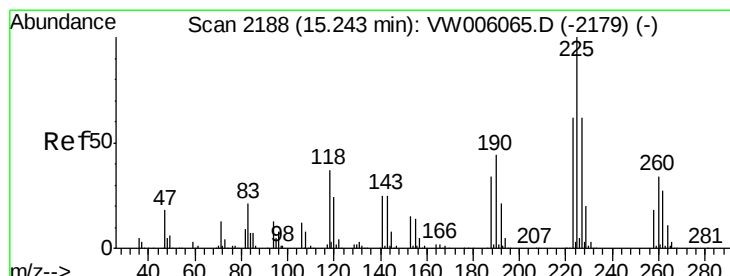
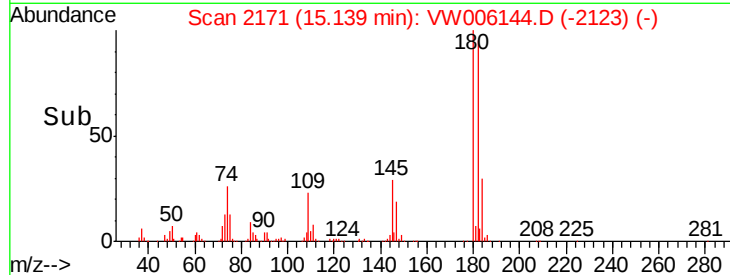
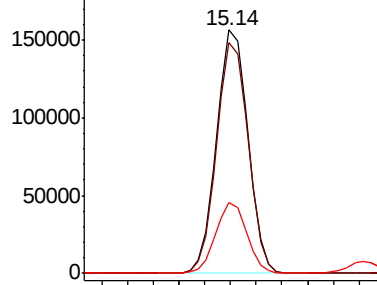


Abundance

Ion 179.80 (179.50 to 180.50): V

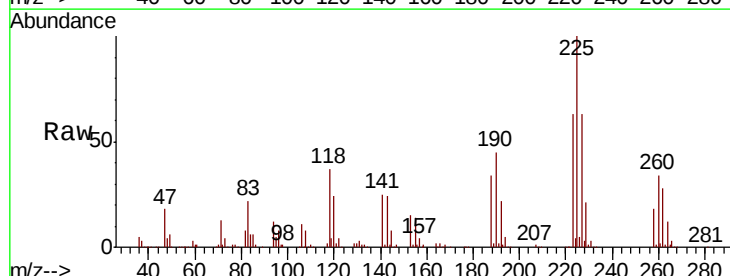
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94  
 Hexachlorobutadiene  
 Concen: 50.678 ug/l  
 RT: 15.24 min Scan# 2188  
 Delta R.T. 0.00 min  
 Lab File: VW006144.D  
 Acq: 18 Oct 2018 00:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 160446 |       |       |
| 223     | 61.8  | 31.1   | 93.5  |       |
| 227     | 63.4  | 32.4   | 97.0  |       |

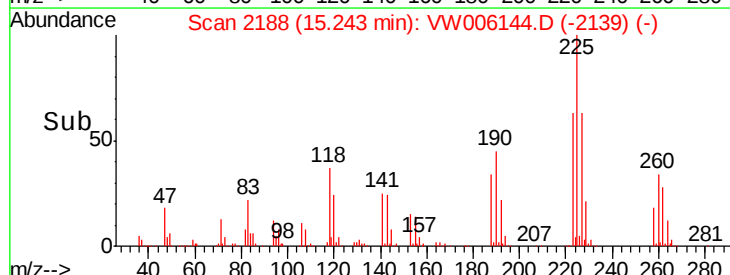
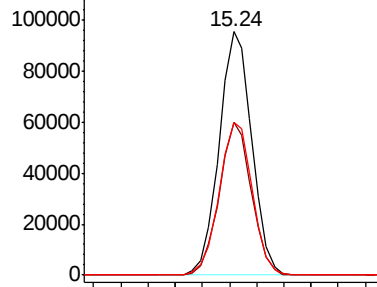


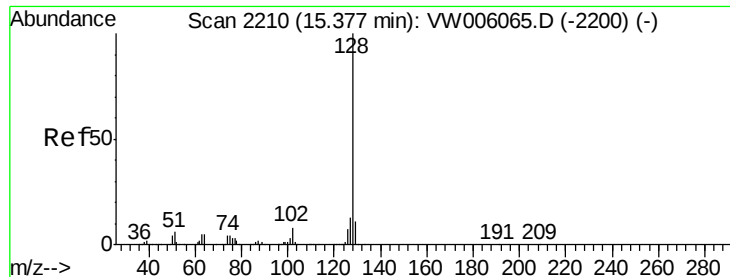
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





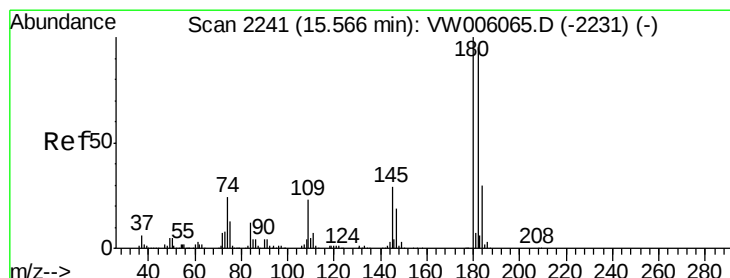
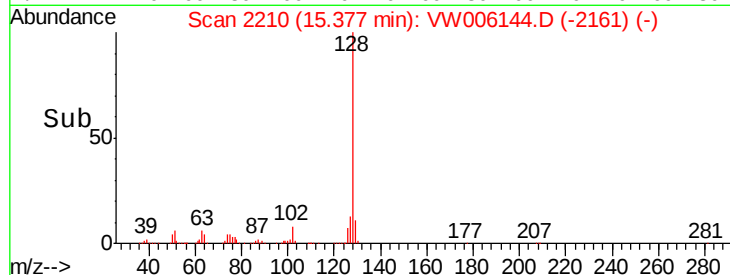
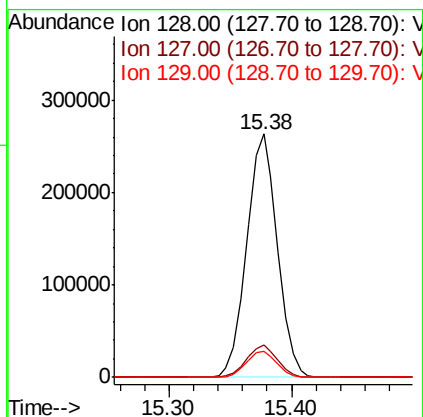
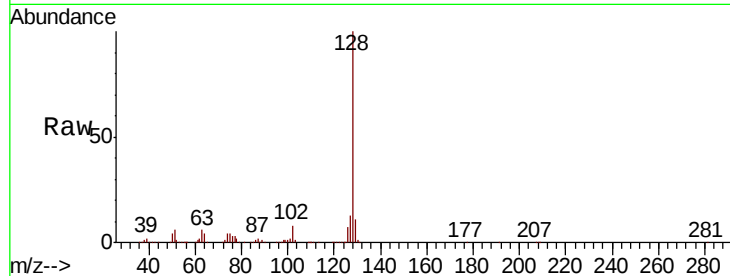
#95  
Naphthalene  
Concen: 54.550 ug/l  
RT: 15.38 min Scan# 2210  
Delta R.T. 0.00 min  
Lab File: VW006144.D  
Acq: 18 Oct 2018 00:38

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.2  | 10.3  | 15.5  |
| 129     | 10.7  | 8.7   | 13.1  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 52.965 ug/l  
RT: 15.57 min Scan# 2241  
Delta R.T. 0.00 min  
Lab File: VW006144.D  
Acq: 18 Oct 2018 00:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.1  | 47.8  | 143.3 |
| 145     | 30.4  | 15.0  | 45.1  |

