

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050518\  
 Data File : VX001416.D  
 Acq On : 05 May 2018 13:24  
 Operator : JC/MD  
 Sample : VSTDICCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

Manual Integrations  
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apatel  
 5/8/2018 7:53:34 AM

Quant Time: May 06 07:51:12 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X050518W.M  
 Quant Title : SW846 8260  
 QLast Update : Sun May 06 07:39:45 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 276162   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 356158   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 345942   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 254200   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.07   | 65  | 193216   | 50.09 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.18% |      |
| 35) Dibromofluoromethane  | 5.51   | 113 | 156361   | 50.56 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.12% |      |
| 50) Toluene-d8            | 8.72   | 98  | 579403   | 52.58 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 105.16% |      |
| 62) 4-Bromofluorobenzene  | 11.14  | 95  | 225046   | 51.06 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.12% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 188769  | 59.822  | ug/l | 100    |
| 3) Chloromethane              | 1.32 | 50  | 172136  | 55.481  | ug/l | 100    |
| 4) Vinyl Chloride             | 1.40 | 62  | 182187  | 56.123  | ug/l | 100    |
| 5) Bromomethane               | 1.64 | 94  | 85892   | 33.599  | ug/l | 100    |
| 6) Chloroethane               | 1.71 | 64  | 119191  | 57.478  | ug/l | 100    |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 278076  | 51.663  | ug/l | 100    |
| 8) Diethyl Ether              | 2.19 | 74  | 107017  | 56.706  | ug/l | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 2.38 | 101 | 160648  | 51.531  | ug/l | 100    |
| 10) Methyl Iodide             | 2.51 | 142 | 246363  | 71.773  | ug/l | 100    |
| 11) Tert butyl alcohol        | 3.09 | 59  | 203016  | 294.977 | ug/l | 100    |
| 12) 1,1-Dichloroethene        | 2.37 | 96  | 147899  | 52.466  | ug/l | 100    |
| 13) Acrolein                  | 2.30 | 56  | 40100   | 118.790 | ug/l | 100    |
| 14) Allyl chloride            | 2.73 | 41  | 277868  | 55.865  | ug/l | 100    |
| 15) Acrylonitrile             | 3.15 | 53  | 457616  | 289.150 | ug/l | 100    |
| 16) Acetone                   | 2.45 | 43  | 421515  | 255.743 | ug/l | 100    |
| 17) Carbon Disulfide          | 2.57 | 76  | 384213  | 52.171  | ug/l | 100    |
| 18) Methyl Acetate            | 2.78 | 43  | 226132  | 56.992  | ug/l | 100    |
| 19) Methyl tert-butyl Ether   | 3.21 | 73  | 513071  | 53.394  | ug/l | 100    |
| 20) Methylene Chloride        | 2.86 | 84  | 165900  | 46.237  | ug/l | 100    |
| 21) trans-1,2-Dichloroethene  | 3.17 | 96  | 160625  | 52.240  | ug/l | 100    |
| 22) Diisopropyl ether         | 3.88 | 45  | 511627  | 53.668  | ug/l | 100    |
| 23) Vinyl Acetate             | 3.83 | 43  | 2194757 | 271.978 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 3.70 | 63  | 286901  | 53.897  | ug/l | 100    |
| 25) 2-Butanone                | 4.72 | 43  | 627627  | 277.205 | ug/l | 100    |
| 26) 2,2-Dichloropropane       | 4.59 | 77  | 227903  | 52.974  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 4.60 | 96  | 172659  | 51.275  | ug/l | 100    |
| 28) Bromochloromethane        | 5.03 | 49  | 127145  | 53.991  | ug/l | 100    |
| 29) Tetrahydrofuran           | 5.18 | 42  | 402456  | 286.750 | ug/l | 100    |
| 30) Chloroform                | 5.22 | 83  | 297509  | 53.113  | ug/l | 100    |
| 31) Cyclohexane               | 5.58 | 56  | 250795  | 52.409  | ug/l | 100    |
| 32) 1,1,1-Trichloroethane     | 5.50 | 97  | 267092  | 54.545  | ug/l | 100    |
| 36) 1,1-Dichloropropene       | 5.81 | 75  | 220585  | 52.525  | ug/l | 100    |
| 37) Ethyl Acetate             | 4.87 | 43  | 242649  | 56.555  | ug/l | 100    |
| 38) Carbon Tetrachloride      | 5.79 | 117 | 245123  | 55.481  | ug/l | 100    |

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Manual Integrations  
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apatel  
 5/8/2018 7:53:34 AM

Quant Time: May 06 07:51:12 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X050518W.M  
 Quant Title : SW846 8260  
 QLast Update : Sun May 06 07:39:45 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 267111   | 53.753   | ug/l   | 100      |
| 40) Benzene                    | 6.15  | 78   | 655668   | 54.189   | ug/l   | 100      |
| 41) Methacrylonitrile          | 5.07  | 41   | 135996   | 54.556   | ug/l   | 100      |
| 42) 1,2-Dichloroethane         | 6.20  | 62   | 249890   | 53.289   | ug/l   | 100      |
| 43) Isopropyl Acetate          | 6.48  | 43   | 386376   | 56.162   | ug/l   | 100      |
| 44) Trichloroethene            | 7.22  | 130  | 196557   | 53.093   | ug/l   | 100      |
| 45) 1,2-Dichloropropane        | 7.52  | 63   | 160869   | 52.204   | ug/l   | 100      |
| 46) Dibromomethane             | 7.67  | 93   | 114843   | 52.924   | ug/l   | 100      |
| 47) Bromodichloromethane       | 7.90  | 83   | 222563   | 56.978   | ug/l   | 100      |
| 48) Methyl methacrylate        | 7.79  | 41   | 210522   | 57.158   | ug/l   | 100      |
| 49) 1,4-Dioxane                | 7.76  | 88   | 90551    | 1272.653 | ug/l   | 100      |
| 51) 4-Methyl-2-Pentanone       | 8.66  | 43   | 1278079  | 287.238  | ug/l   | 100      |
| 52) Toluene                    | 8.79  | 92   | 433360   | 54.766   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 8.44  | 75   | 259890   | 56.165   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 9.05  | 75   | 240433   | 56.709   | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane      | 9.22  | 97   | 170894   | 53.749   | ug/l   | 100      |
| 56) Ethyl methacrylate         | 9.19  | 69   | 259999   | 58.443   | ug/l   | 100      |
| 57) 1,3-Dichloropropane        | 9.38  | 76   | 286834   | 55.659   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 8.32  | 63   | 650433   | 300.874  | ug/l   | 100      |
| 59) 2-Hexanone                 | 9.51  | 43   | 992570   | 286.312  | ug/l   | 100      |
| 60) Dibromochloromethane       | 9.59  | 129  | 191860   | 57.568   | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 9.68  | 107  | 185853   | 55.022   | ug/l   | 100      |
| 64) Tetrachloroethene          | 9.34  | 164  | 240816   | 56.781   | ug/l   | 100      |
| 65) Chlorobenzene              | 10.15 | 112  | 497729   | 52.039   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 10.23 | 131  | 185576   | 55.725   | ug/l   | 100      |
| 67) Ethyl Benzene              | 10.26 | 91   | 829337   | 52.712   | ug/l   | 100      |
| 68) m/p-Xylenes                | 10.37 | 106  | 666327   | 107.427  | ug/l   | 100      |
| 69) o-Xylene                   | 10.71 | 106  | 325372   | 53.919   | ug/l   | 100      |
| 70) Styrene                    | 10.72 | 104  | 536467   | 54.390   | ug/l   | 100      |
| 71) Bromoform                  | 10.87 | 173  | 159146   | 56.609   | ug/l   | 100      |
| 73) Isopropylbenzene           | 11.02 | 105  | 870903   | 50.685   | ug/l   | 100      |
| 74) N-amyl acetate             | 6.48  | 43   | 386376   | 52.225   | ug/l # | 100      |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 248842   | 48.735   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 11.30 | 75   | 248181m  | 52.250   | ug/l   |          |
| 77) Bromobenzene               | 11.26 | 156  | 244473   | 49.561   | ug/l   | 100      |
| 78) n-propylbenzene            | 11.37 | 91   | 962932   | 50.611   | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 11.43 | 91   | 579632   | 50.408   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 732639   | 51.045   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 11.08 | 75   | 72315    | 58.158   | ug/l   | 100      |
| 82) 4-Chlorotoluene            | 11.52 | 91   | 677841   | 49.283   | ug/l   | 100      |
| 83) tert-Butylbenzene          | 11.77 | 119  | 730651   | 51.060   | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 757452   | 51.425   | ug/l   | 100      |
| 85) sec-Butylbenzene           | 11.95 | 105  | 883304   | 51.485   | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 12.07 | 119  | 822415   | 52.171   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 12.03 | 146  | 445743   | 48.348   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 450285   | 47.557   | ug/l   | 100      |
| 89) n-Butylbenzene             | 12.40 | 91   | 679158   | 49.792   | ug/l   | 100      |
| 90) Hexachloroethane           | 12.60 | 117  | 123284   | 53.975   | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 12.40 | 146  | 450897   | 49.145   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 13.01 | 75   | 58919    | 56.432   | ug/l   | 100      |

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Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
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Manual Integrations  
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Quant Title : SW846 8260  
QLast Update : Sun May 06 07:39:45 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180  | 342640   | 46.708 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 13.79 | 225  | 181116   | 47.043 | ug/l  | 100      |
| 95) Naphthalene            | 13.84 | 128  | 974211   | 51.892 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 350366   | 48.449 | ug/l  | 100      |

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

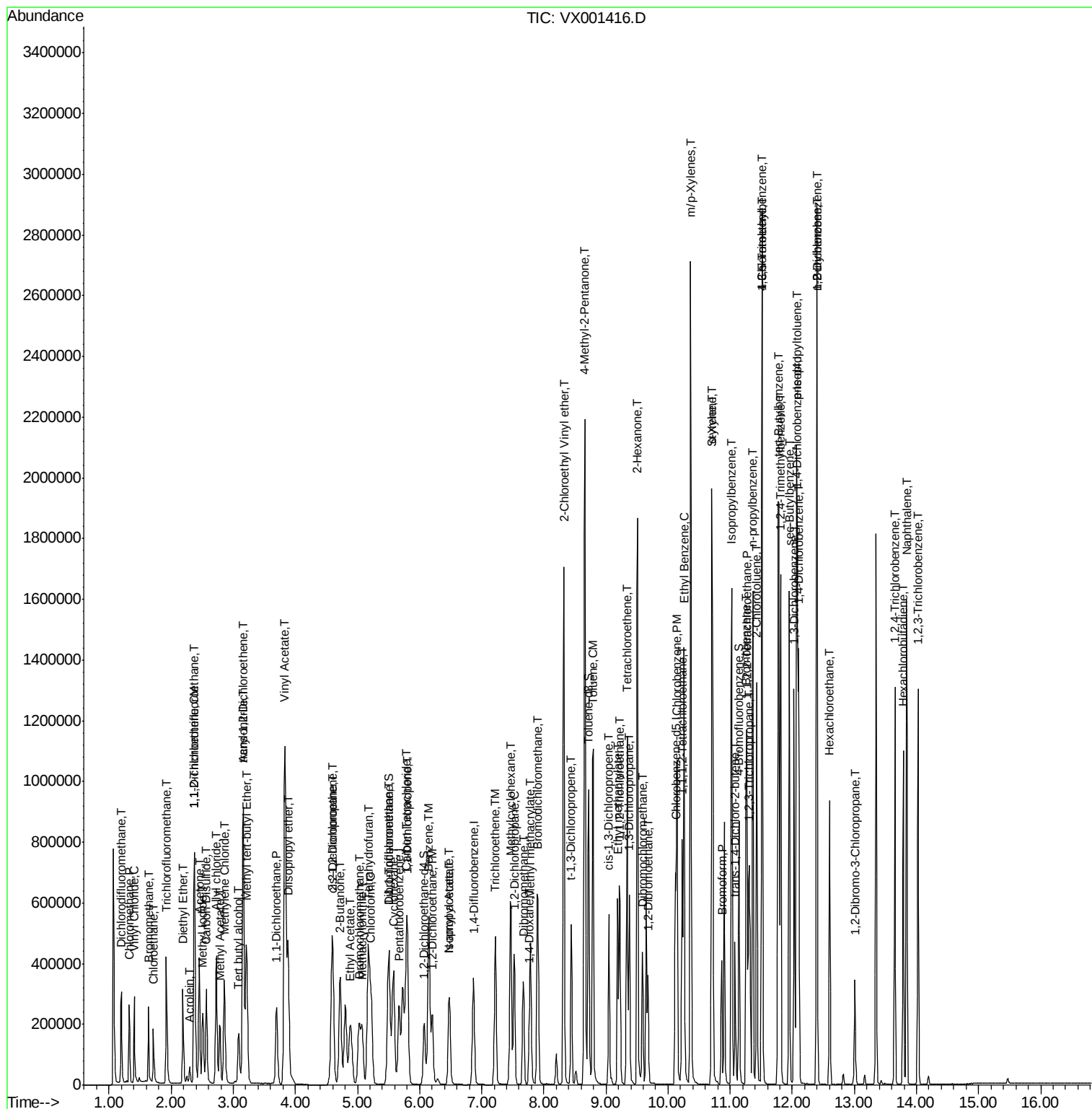
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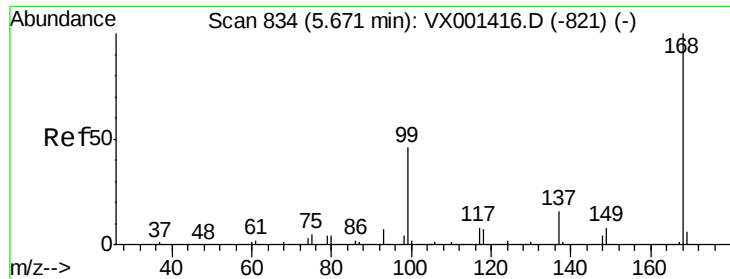
**Instrument :**  
MSVOA\_X  
**ClientSampleId :**  
VSTDICCC050

## Manual Integrations APPROVED

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5/8/2018 7:53:34 AM

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Quant Title : SW846 8260  
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001416.D

Acq: 05 May 2018 13:24

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 276162

Ion Ratio Lower Upper

168 100

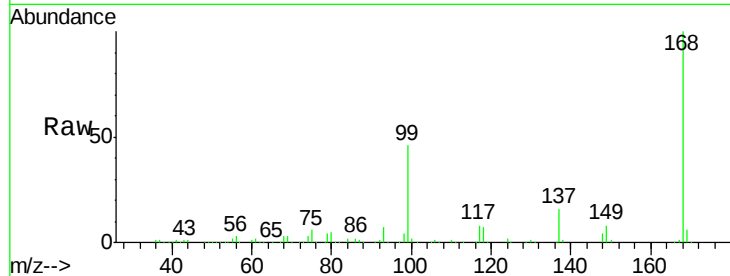
99 45.7 36.6 54.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

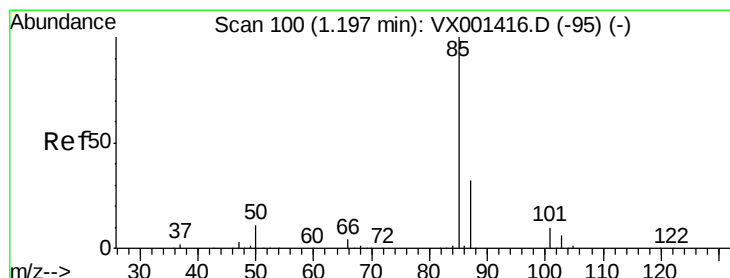
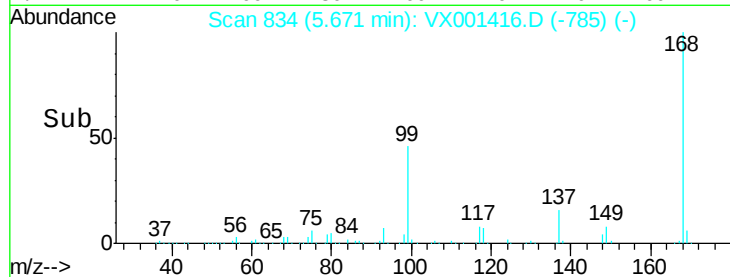
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 59.822 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001416.D

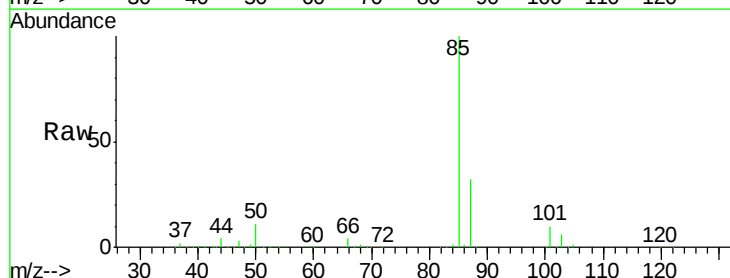
Acq: 05 May 2018 13:24

Tgt Ion: 85 Resp: 188769

Ion Ratio Lower Upper

85 100

87 32.4 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

200000

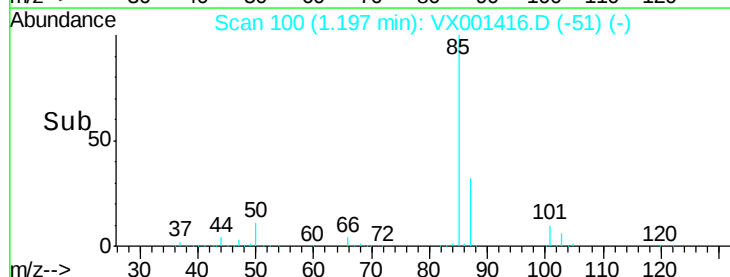
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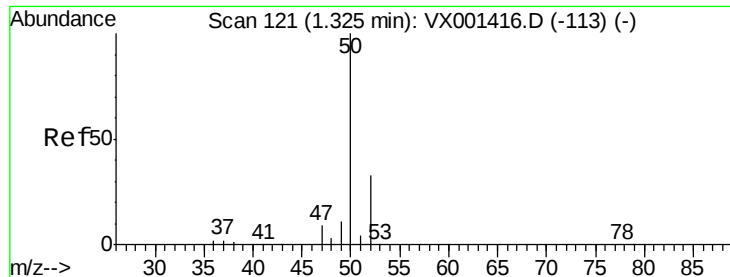
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Time-->





#3

Chloromethane

Concen: 55.481 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001416.D

Acq: 05 May 2018 13:24

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 172136

Ion Ratio Lower Upper

50 100

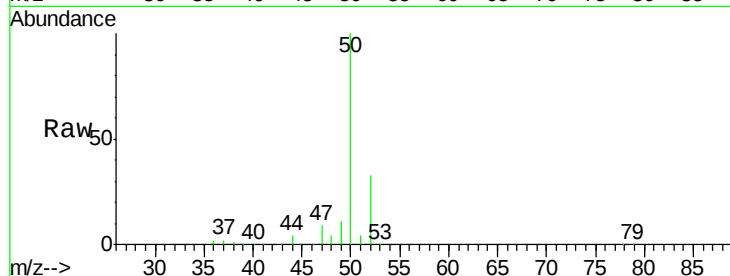
52 32.8 26.2 39.4

Manual Integrations

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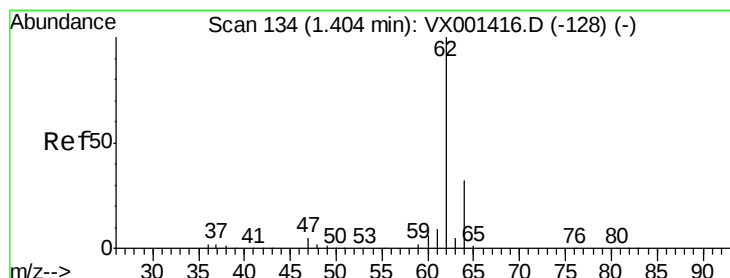
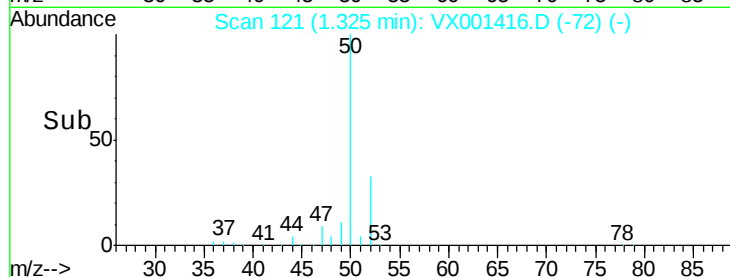
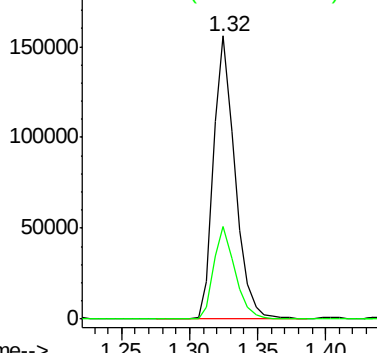
apatel

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 56.123 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001416.D

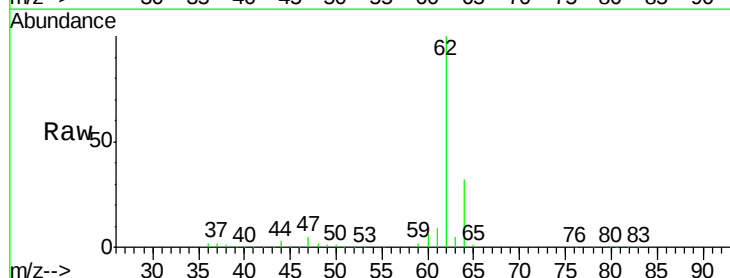
Acq: 05 May 2018 13:24

Tgt Ion: 62 Resp: 182187

Ion Ratio Lower Upper

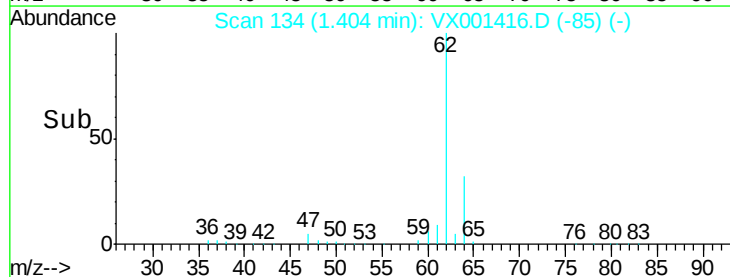
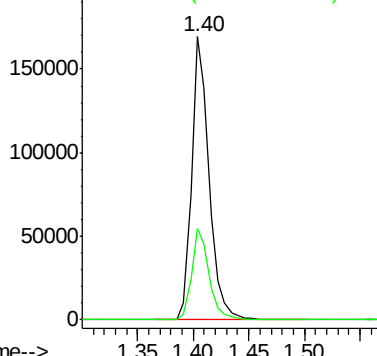
62 100

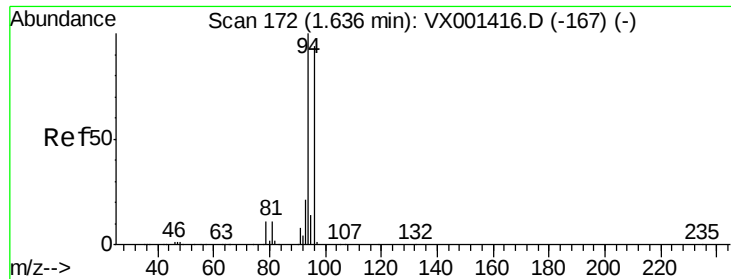
64 32.2 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 33.599 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001416.D

Acq: 05 May 2018 13:24

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 85892

Ion Ratio Lower Upper

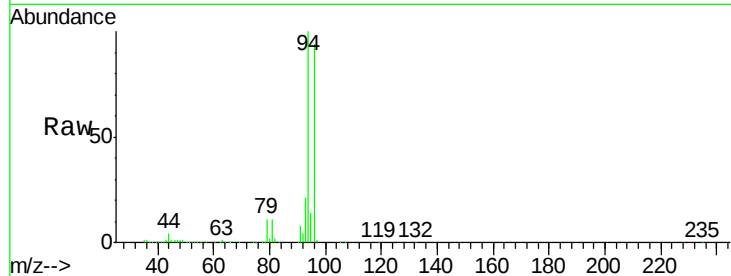
94 100

96 93.8 75.0 112.6

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

100000

80000

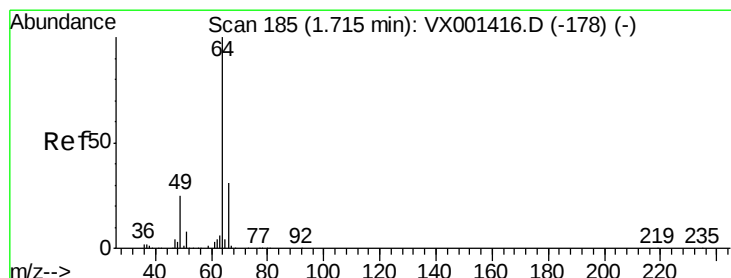
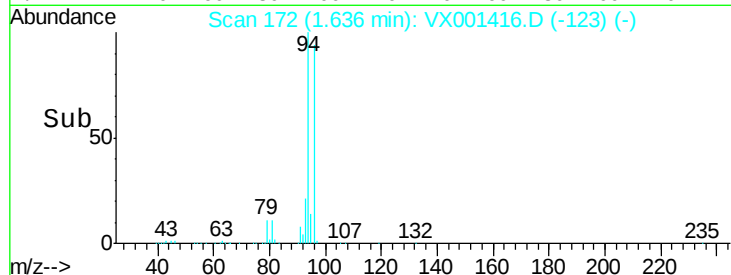
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Time-->



#6

Chloroethane

Concen: 57.478 ug/l

RT: 1.71 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX001416.D

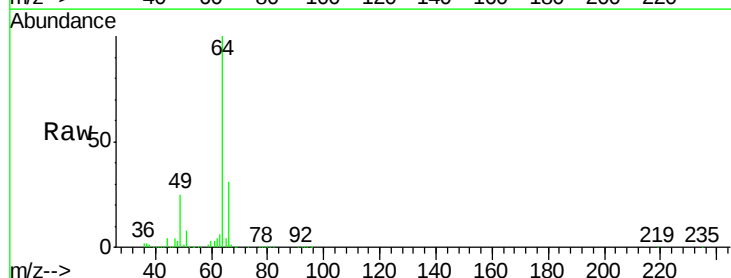
Acq: 05 May 2018 13:24

Tgt Ion: 64 Resp: 119191

Ion Ratio Lower Upper

64 100

66 31.4 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

100000

80000

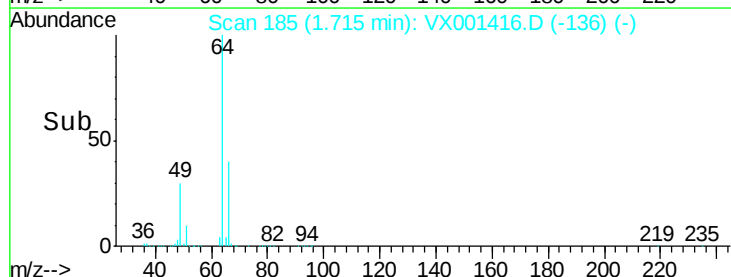
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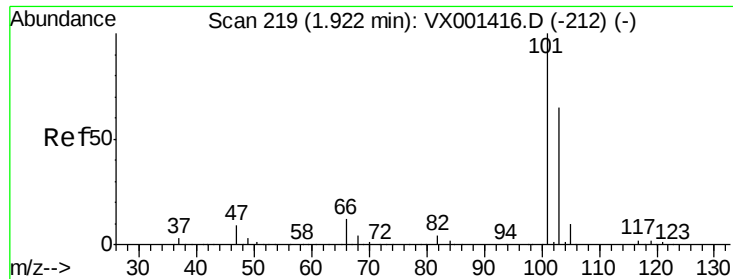
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20000

0

Time-->





#7

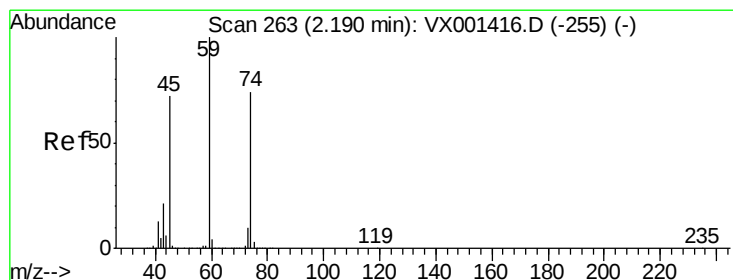
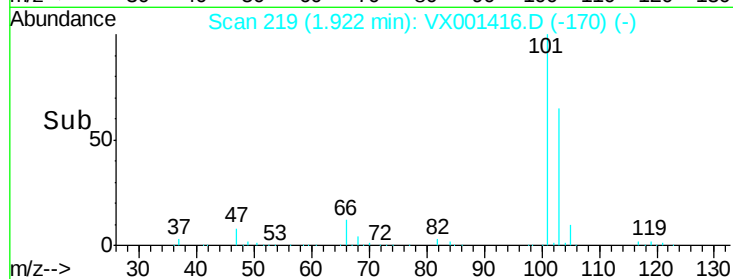
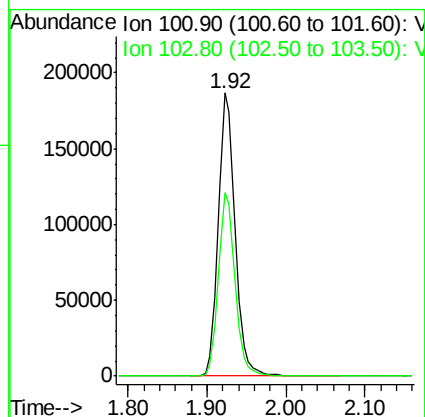
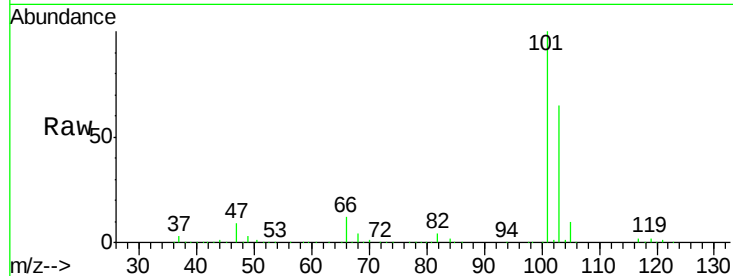
Trichlorofluoromethane  
Concen: 51.663 ug/l  
RT: 1.92 min Scan# 219  
Delta R.T. 0.00 min  
Lab File: VX001416.D  
Acq: 05 May 2018 13:24

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 65.0  | 52.0  | 78.0  |

Manual Integrations  
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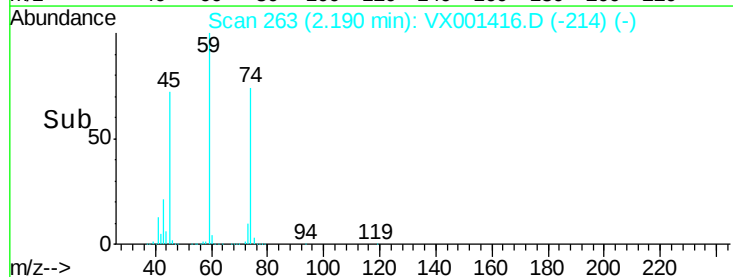
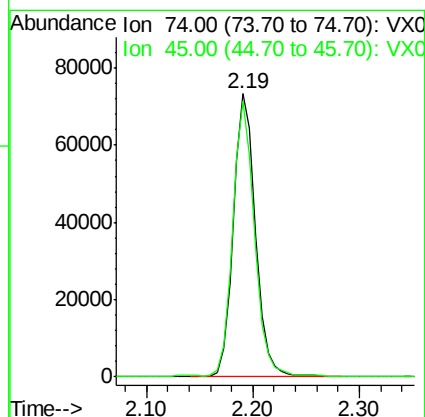
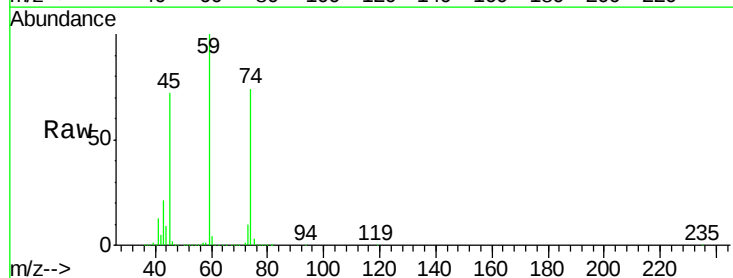
apatel  
5/8/2018 7:53:34 AM

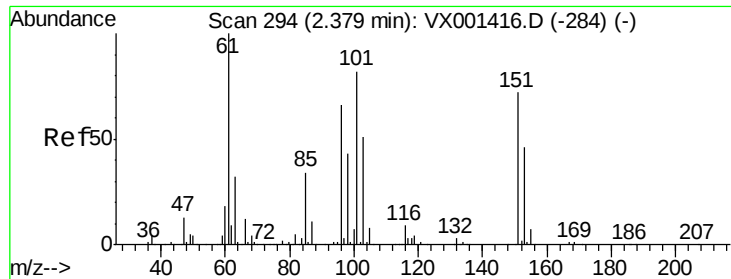


#8

Diethyl Ether  
Concen: 56.706 ug/l  
RT: 2.19 min Scan# 263  
Delta R.T. 0.00 min  
Lab File: VX001416.D  
Acq: 05 May 2018 13:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 95.7  | 47.9  | 143.6 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.531 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX001416.D

Acq: 05 May 2018 13:24

Instrument :

MSVOA\_X

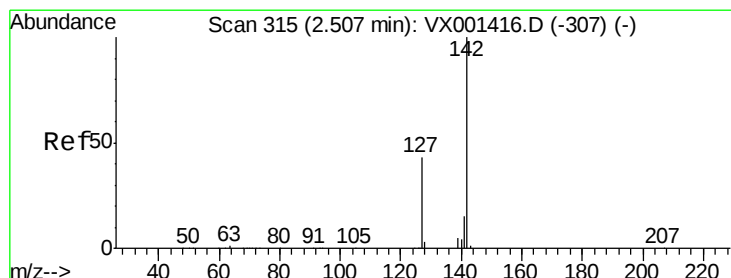
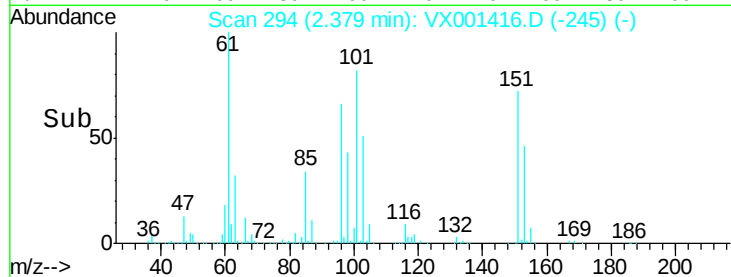
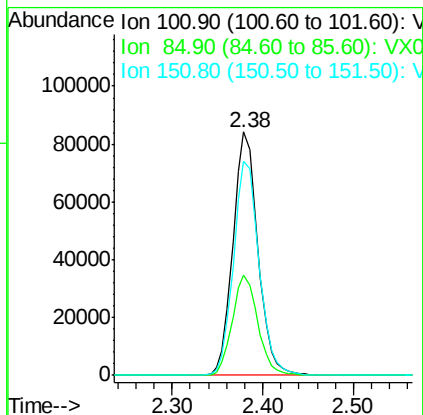
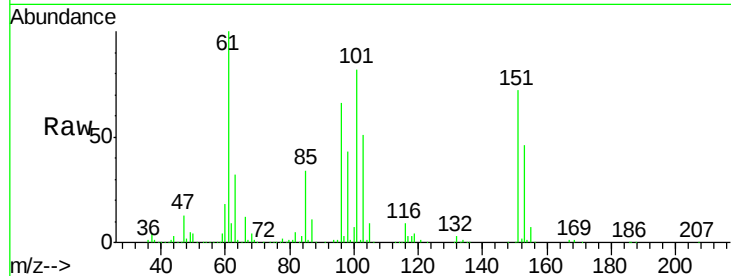
ClientSampleId :

VSTDICCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 160648 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 42.1  | 33.7  | 50.5   |
| 151       | 90.4  | 72.3  | 108.5  |

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#10

Methyl Iodide

Concen: 71.773 ug/l

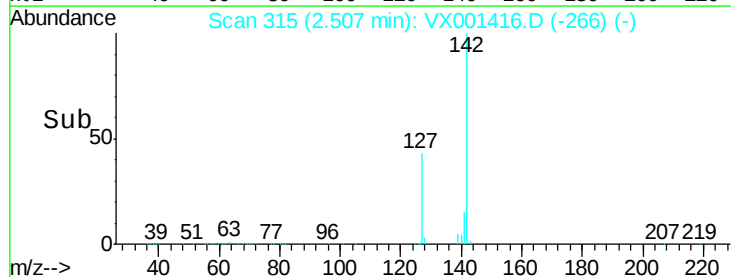
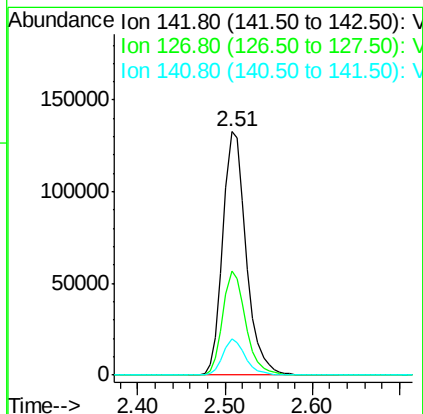
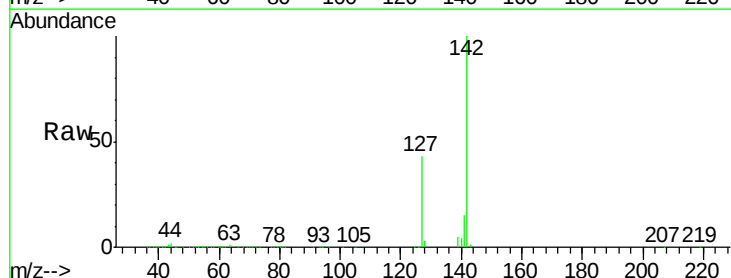
RT: 2.51 min Scan# 315

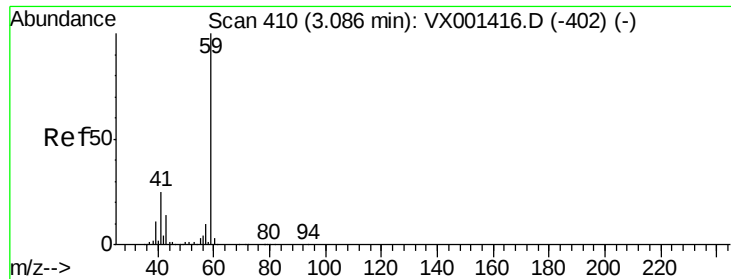
Delta R.T. 0.00 min

Lab File: VX001416.D

Acq: 05 May 2018 13:24

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 246363 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 42.0  | 33.6  | 50.4   |
| 141       | 14.3  | 11.4  | 17.2   |





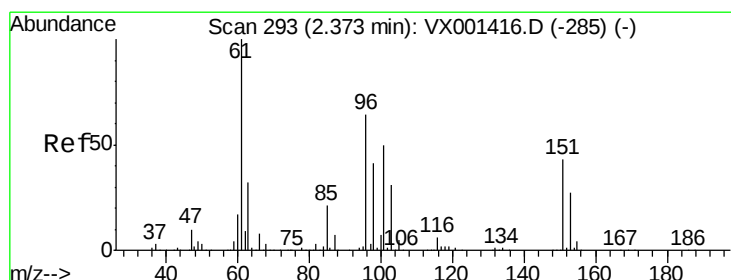
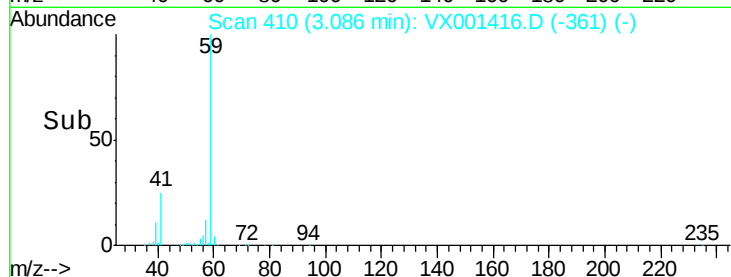
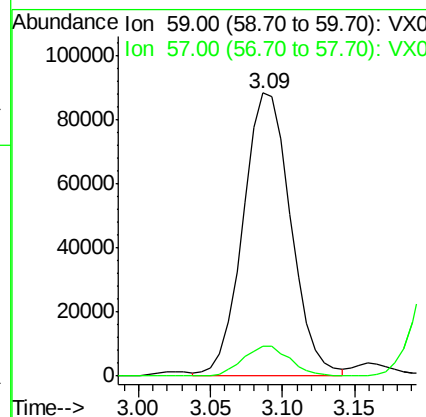
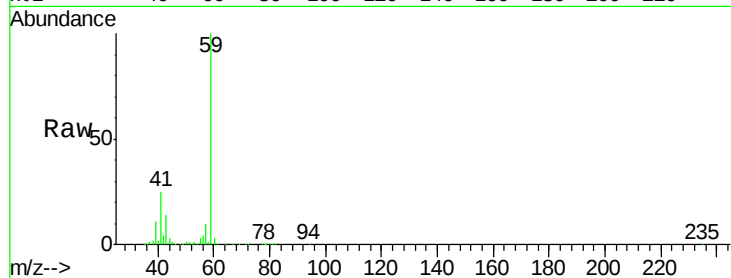
#11  
Tert butyl alcohol  
Concen: 294.977 ug/l  
RT: 3.09 min Scan# 410  
Delta R.T. 0.00 min  
Lab File: VX001416.D  
Acq: 05 May 2018 13:24

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.3  | 8.2   | 12.4  |

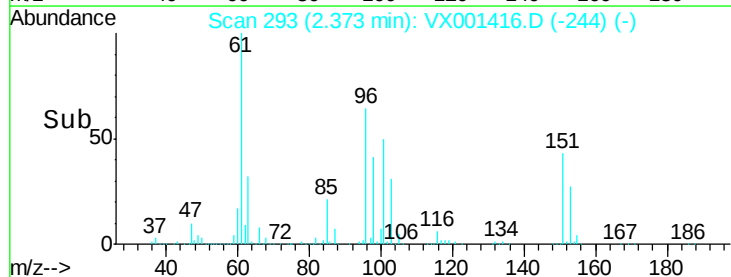
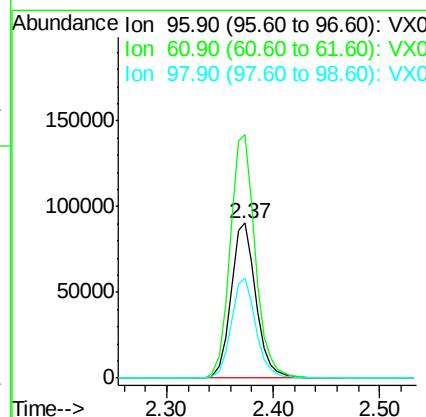
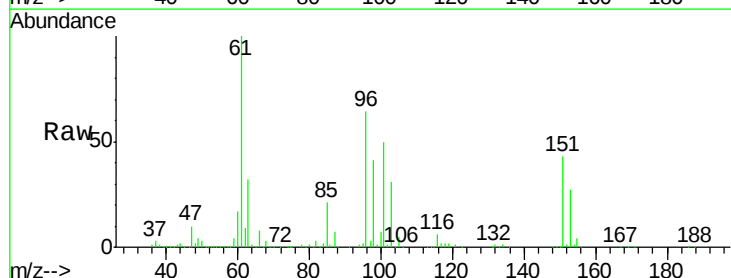
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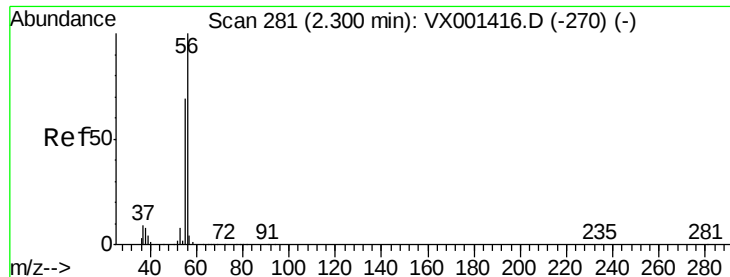
apatel  
5/8/2018 7:53:34 AM



#12  
1,1-Dichloroethene  
Concen: 52.466 ug/l  
RT: 2.37 min Scan# 293  
Delta R.T. 0.00 min  
Lab File: VX001416.D  
Acq: 05 May 2018 13:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 157.1 | 125.7 | 188.5 |
| 98      | 65.0  | 52.0  | 78.0  |





#13

Acrolein

Concen: 118.790 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX001416.D

Acq: 05 May 2018 13:24

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 40100

Ion Ratio Lower Upper

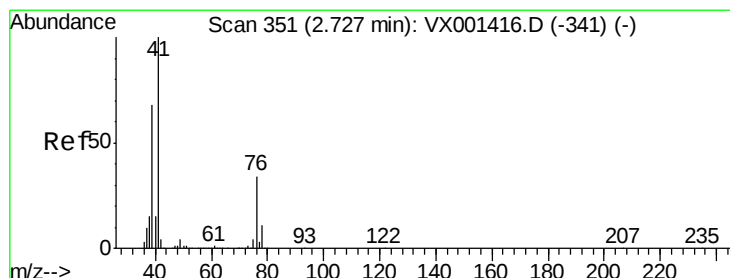
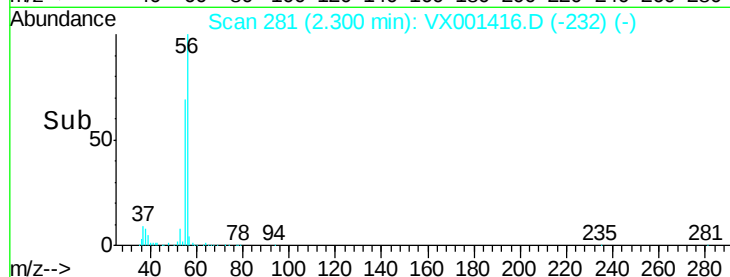
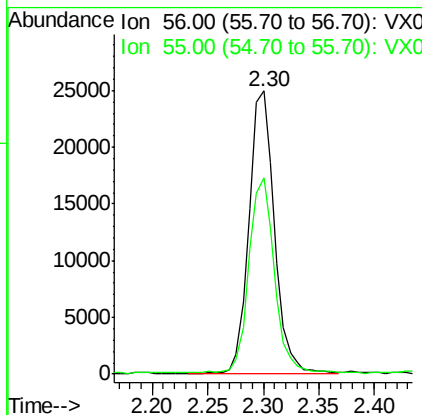
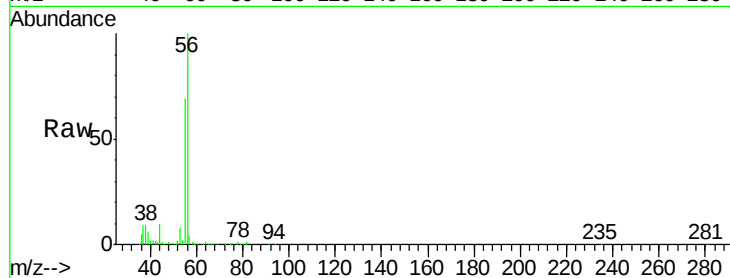
56 100

55 68.1 54.5 81.7

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#14

Allyl chloride

Concen: 55.865 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX001416.D

Acq: 05 May 2018 13:24

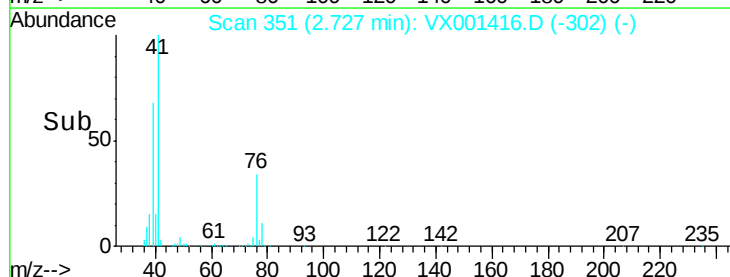
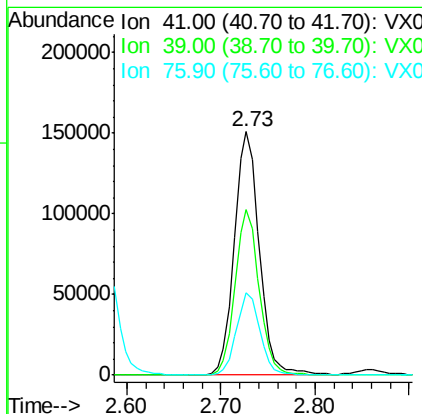
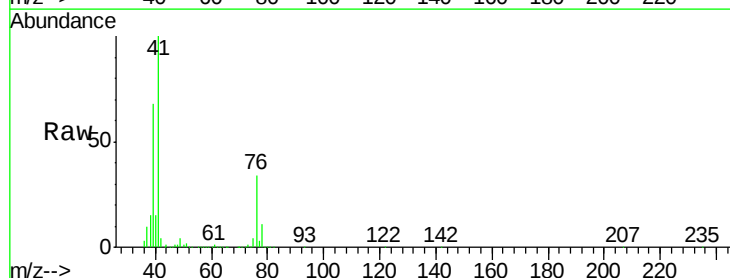
Tgt Ion: 41 Resp: 277868

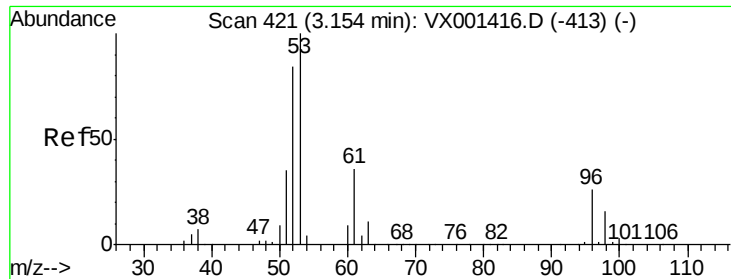
Ion Ratio Lower Upper

41 100

39 65.5 52.4 78.6

76 32.2 25.8 38.6





#15

Acrylonitrile

Concen: 289.150 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001416.D

Acq: 05 May 2018 13:24

Instrument :

MSVOA\_X

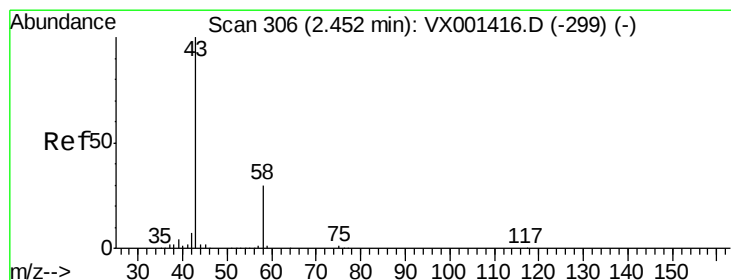
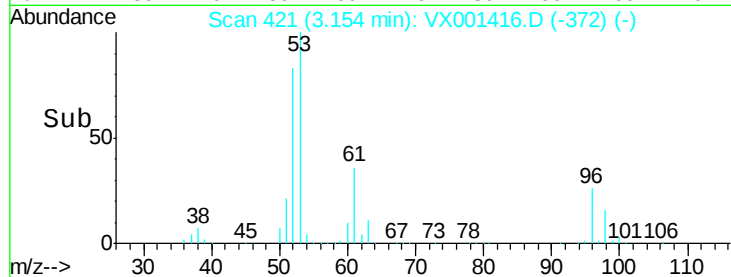
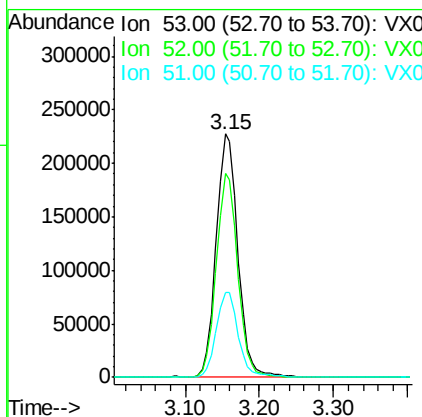
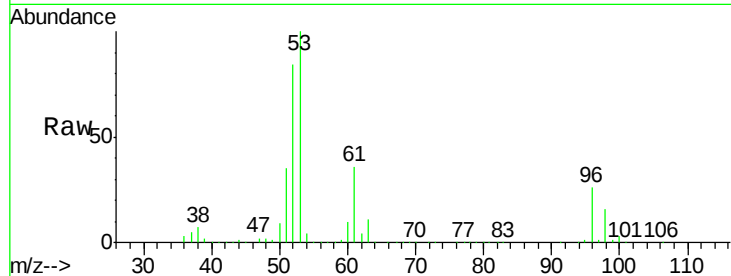
ClientSampleId :

VSTDICCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 457616 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 82.7  | 66.2  | 99.2   |
| 51        | 35.8  | 28.6  | 43.0   |

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#16

Acetone

Concen: 255.743 ug/l

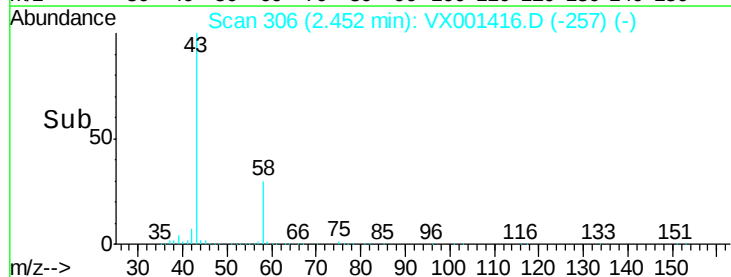
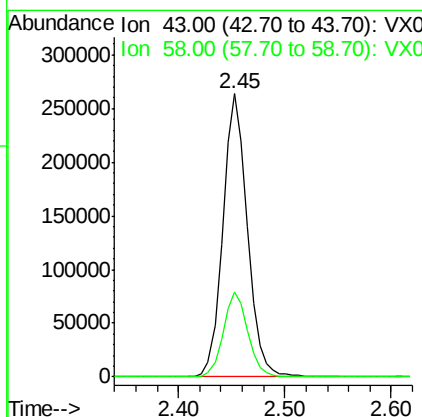
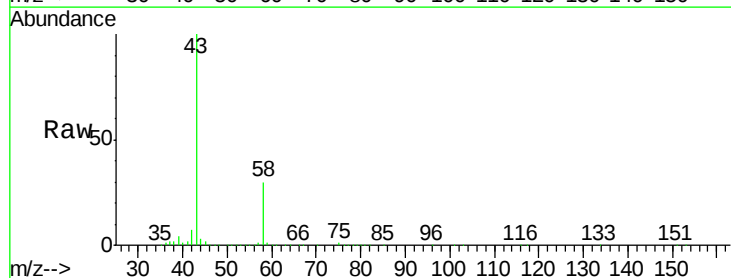
RT: 2.45 min Scan# 306

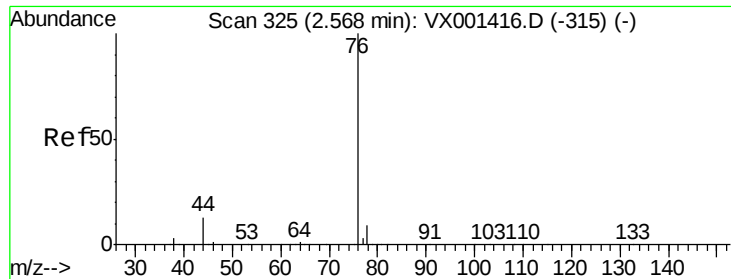
Delta R.T. 0.00 min

Lab File: VX001416.D

Acq: 05 May 2018 13:24

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 421515 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 29.8  | 23.8  | 35.8   |





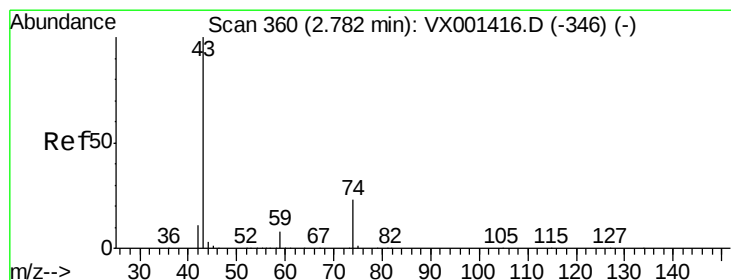
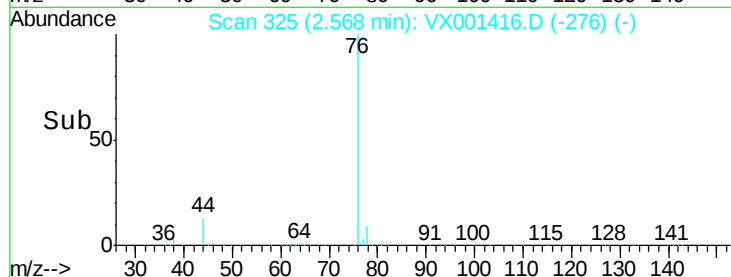
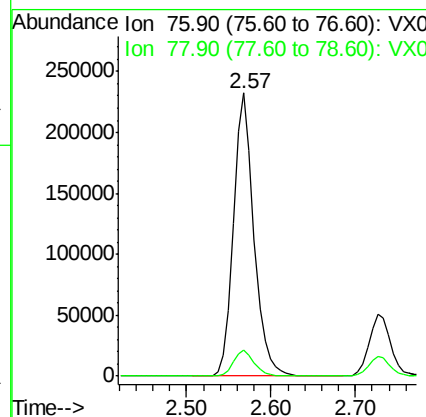
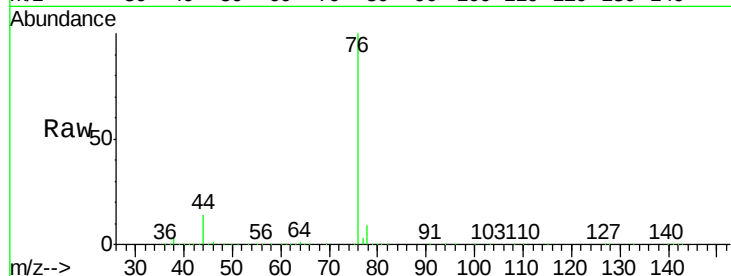
#17  
Carbon Disulfide  
Concen: 52.171 ug/l  
RT: 2.57 min Scan# 325  
Delta R.T. 0.00 min  
Lab File: VX001416.D  
Acq: 05 May 2018 13:24

Instrument :  
MSVOA\_X  
ClientSampled :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.3   | 7.4   | 11.2  |

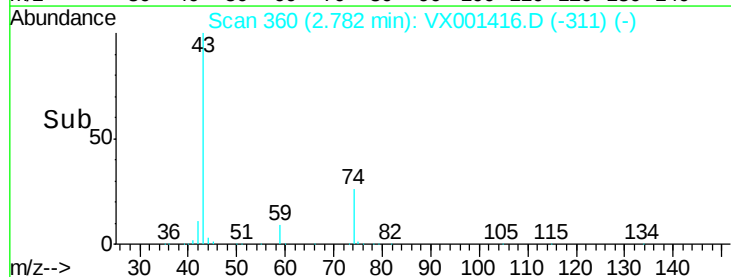
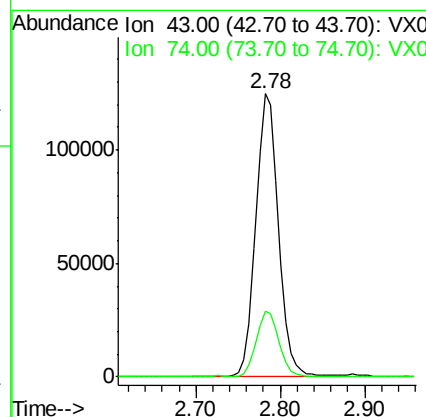
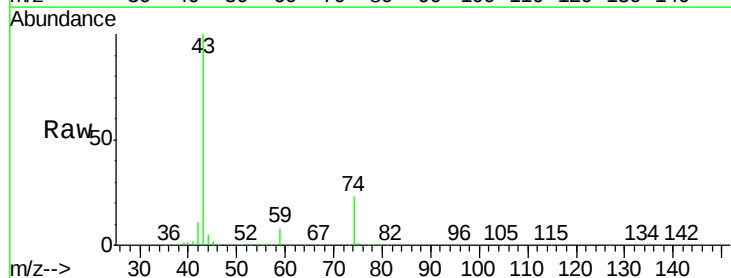
Manual Integrations  
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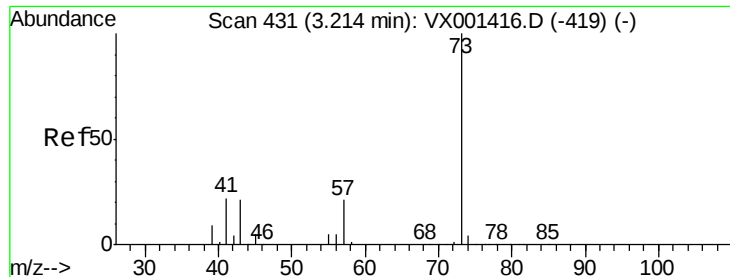
apatel  
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#18  
Methyl Acetate  
Concen: 56.992 ug/l  
RT: 2.78 min Scan# 360  
Delta R.T. 0.00 min  
Lab File: VX001416.D  
Acq: 05 May 2018 13:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 23.2  | 18.6  | 27.8  |





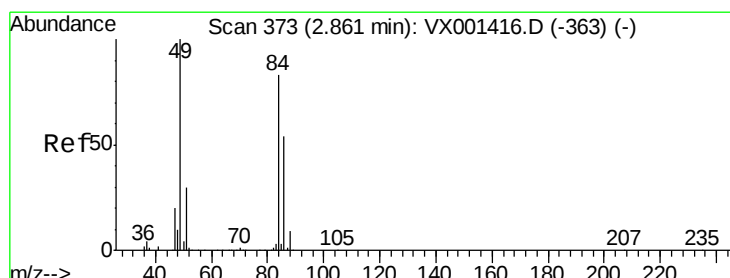
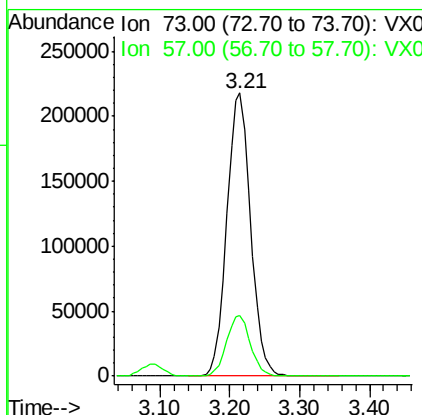
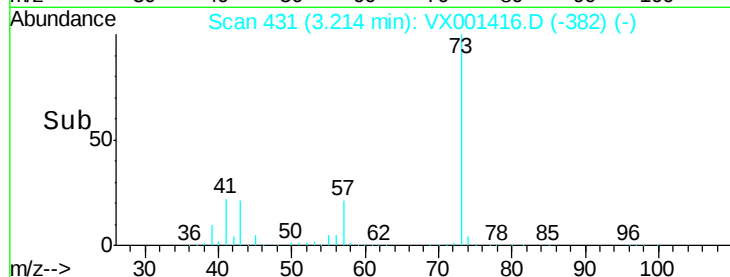
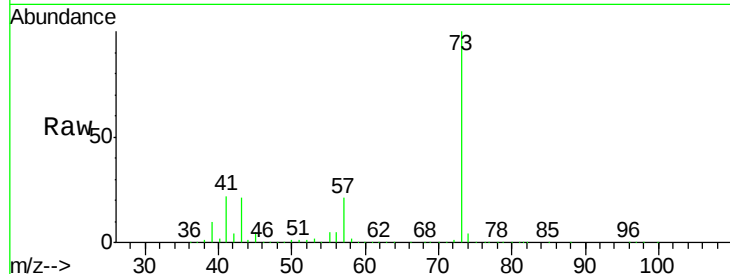
#19  
Methvl tert-butvl Ether  
Concen: 53.394 ug/l  
RT: 3.21 min Scan# 431  
Delta R.T. 0.00 min  
Lab File: VX001416.D  
Acq: 05 May 2018 13:24

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Tot Ion: 73 Resp: 513071  
Ion Ratio Lower Upper  
73 100  
57 21.3 17.0 25.6

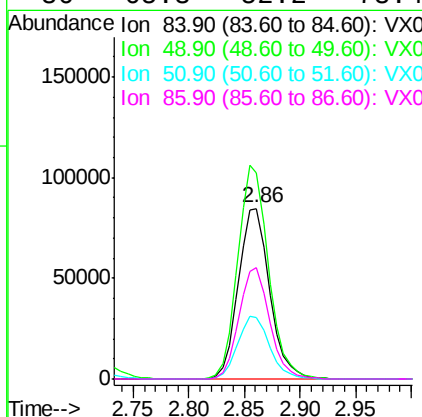
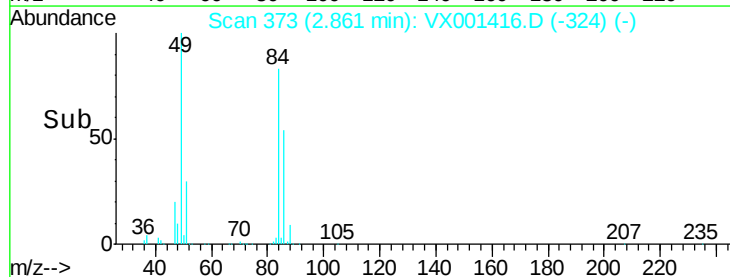
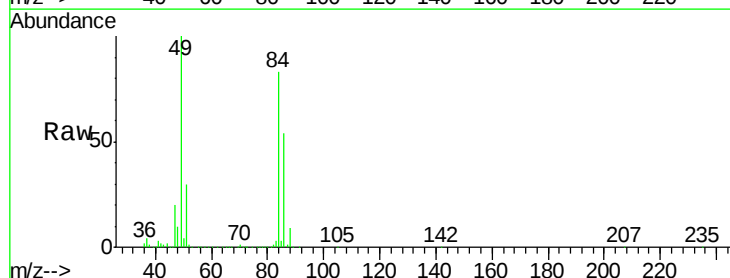
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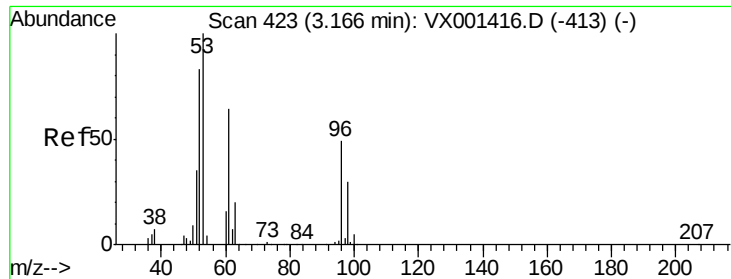
apatel  
5/8/2018 7:53:34 AM



#20  
Methylene Chloride  
Concen: 46.237 ug/l  
RT: 2.86 min Scan# 373  
Delta R.T. 0.00 min  
Lab File: VX001416.D  
Acq: 05 May 2018 13:24

Tgt Ion: 84 Resp: 165900  
Ion Ratio Lower Upper  
84 100  
49 120.7 96.6 144.8  
51 36.2 29.0 43.4  
86 65.3 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 52.240 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001416.D

Acq: 05 May 2018 13:24

Instrument :

MSVOA\_X

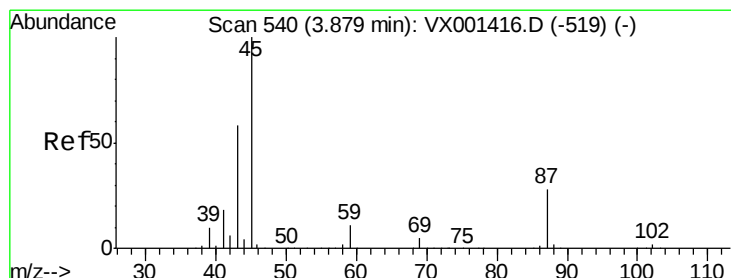
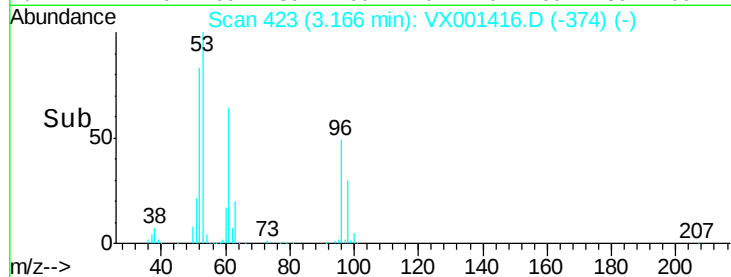
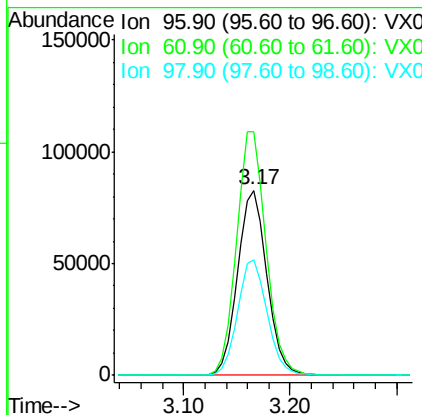
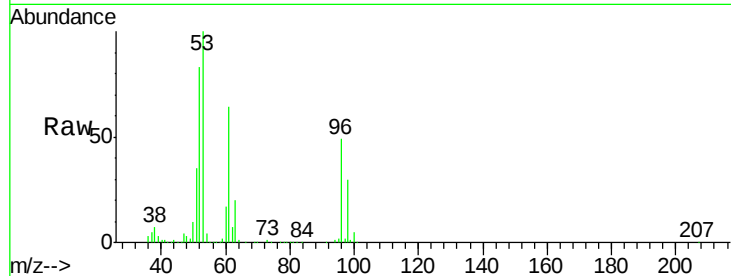
ClientSampled :

VSTDICCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 160625 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 131.2 | 105.0 | 157.4  |
| 98       | 62.4  | 49.9  | 74.9   |

Manual Integrations  
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5/8/2018 7:53:34 AM



#22

Diisopropyl ether

Concen: 53.668 ug/l

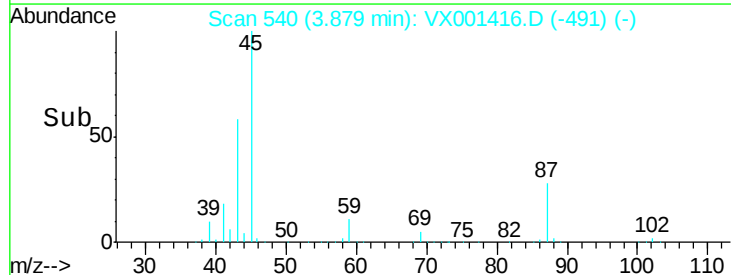
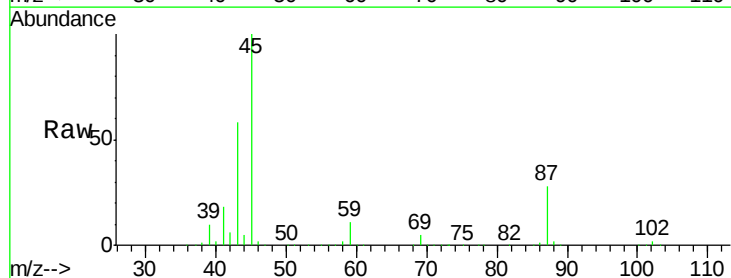
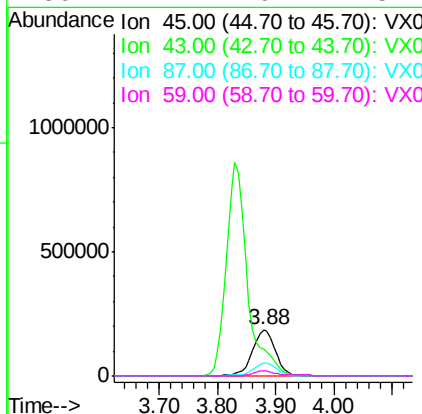
RT: 3.88 min Scan# 540

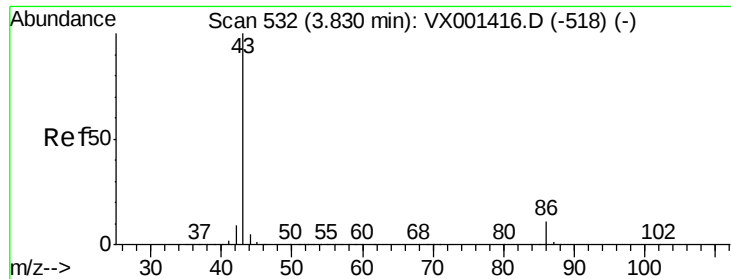
Delta R.T. 0.00 min

Lab File: VX001416.D

Acq: 05 May 2018 13:24

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 511627 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 58.1  | 46.5  | 69.7   |
| 87       | 28.3  | 22.6  | 34.0   |
| 59       | 11.4  | 9.1   | 13.7   |





#23

Vinyl Acetate

Concen: 271.978 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX001416.D

Acq: 05 May 2018 13:24

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 2194757

Ion Ratio Lower Upper

43 100

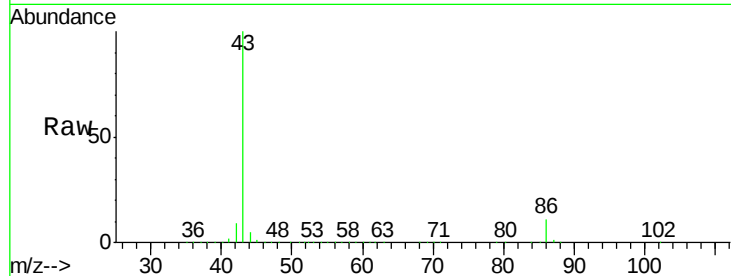
86 10.8 8.6 13.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

1000000

800000

600000

400000

200000

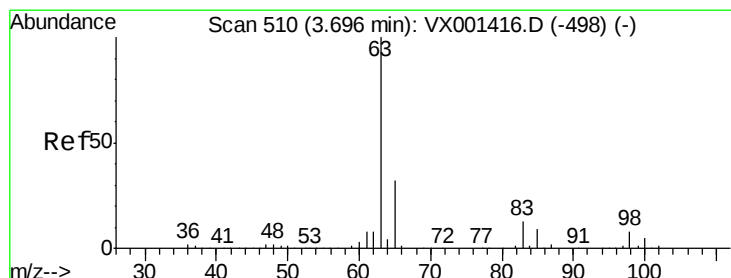
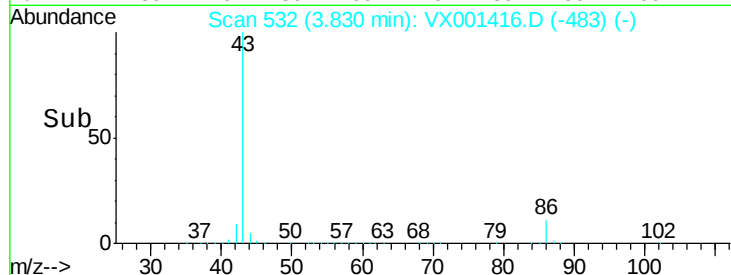
0

3.83

3.80

4.00

Time-->



#24

1,1-Dichloroethane

Concen: 53.897 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX001416.D

Acq: 05 May 2018 13:24

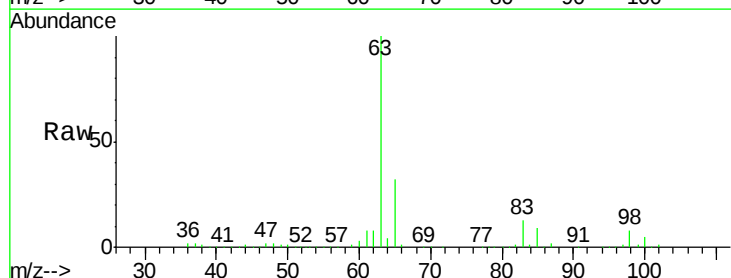
Tgt Ion: 63 Resp: 286901

Ion Ratio Lower Upper

63 100

98 7.6 3.8 11.4

100 4.7 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

150000

100000

50000

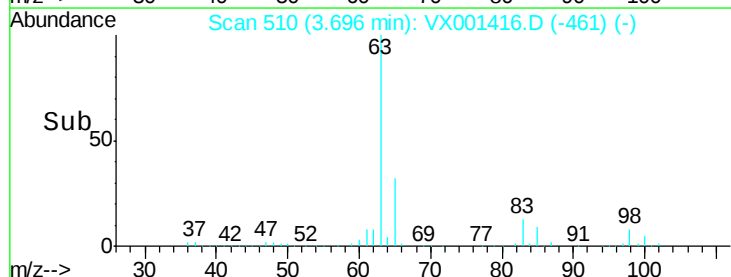
0

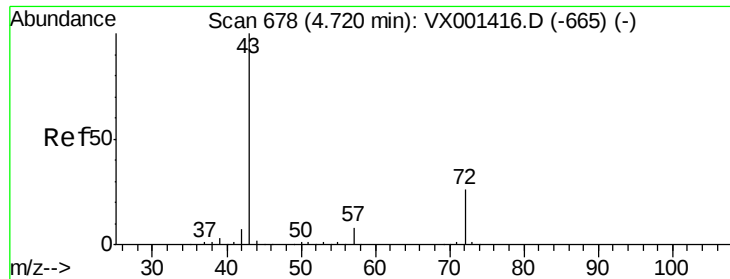
3.70

3.60

3.80

Time-->





#25

2-Butanone

Concen: 277.205 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.00 min

Lab File: VX001416.D

Acq: 05 May 2018 13:24

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 627627

Ion Ratio Lower Upper

43 100

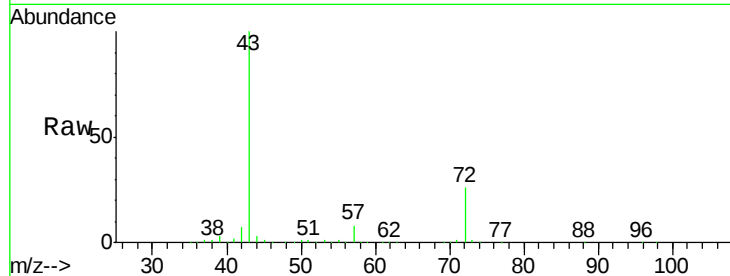
72 25.9 20.7 31.1

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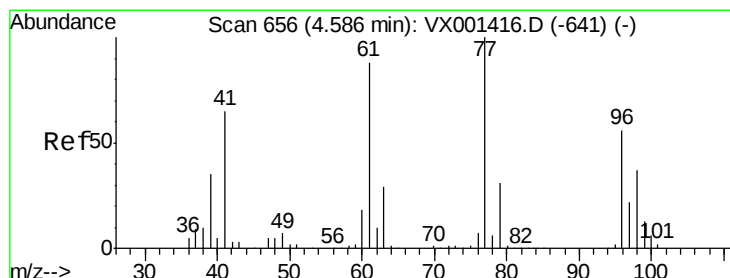
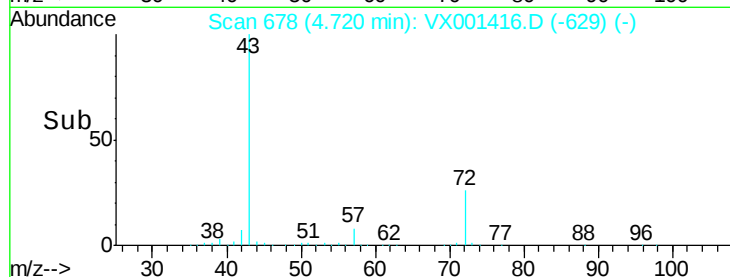
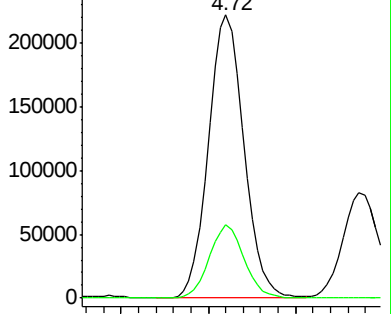
apatel

5/8/2018 7:53:34 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 52.974 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX001416.D

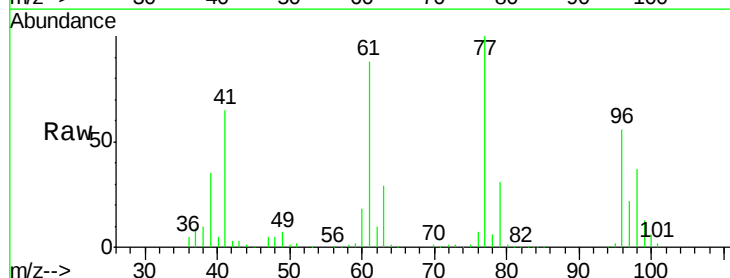
Acq: 05 May 2018 13:24

Tgt Ion: 77 Resp: 227903

Ion Ratio Lower Upper

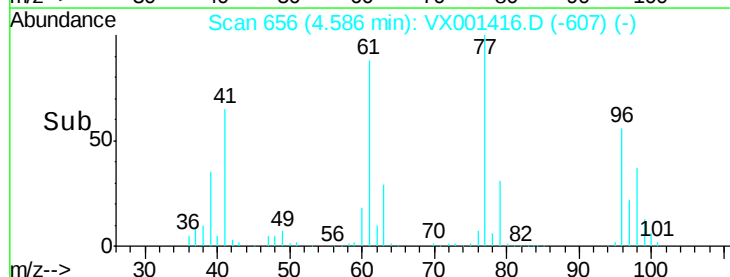
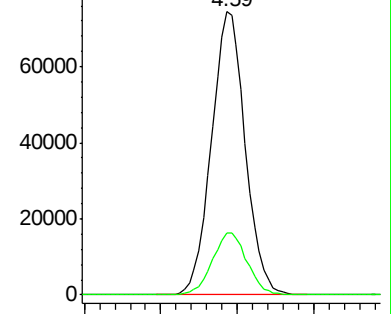
77 100

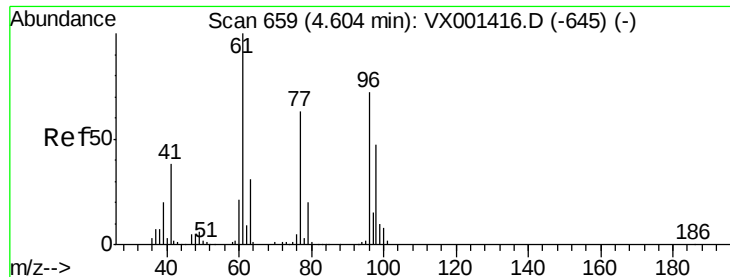
97 22.4 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

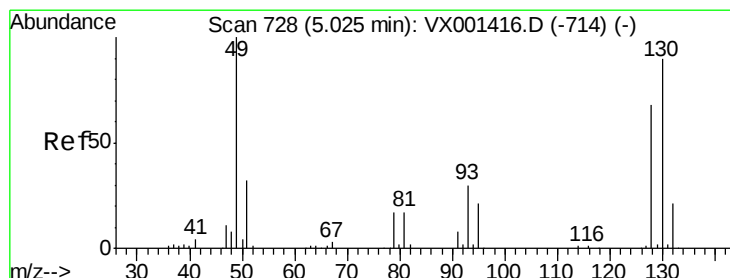
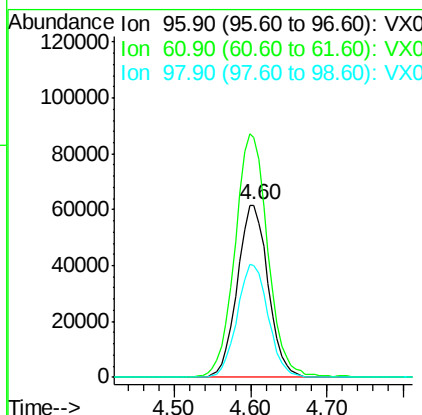
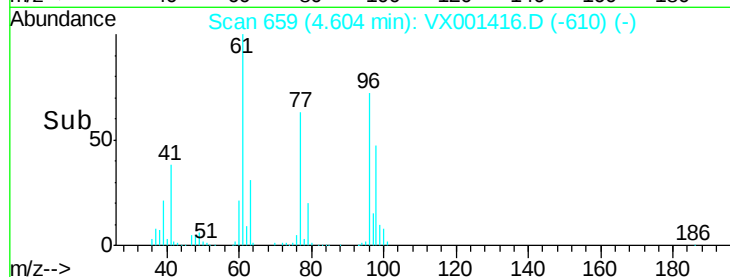
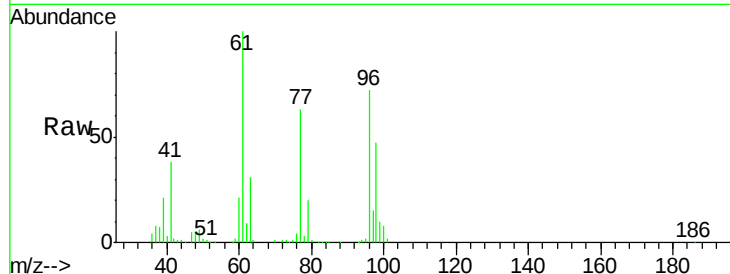
cis-1,2-Dichloroethene  
Concen: 51.275 ug/l  
RT: 4.60 min Scan# 659  
Delta R.T. 0.00 min  
Lab File: VX001416.D  
Acq: 05 May 2018 13:24

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 96      | 100   |      |       |       |
| 61      | 150.8 | 0.0  | 301.6 |       |
| 98      | 65.8  | 0.0  | 131.6 |       |

Manual Integrations  
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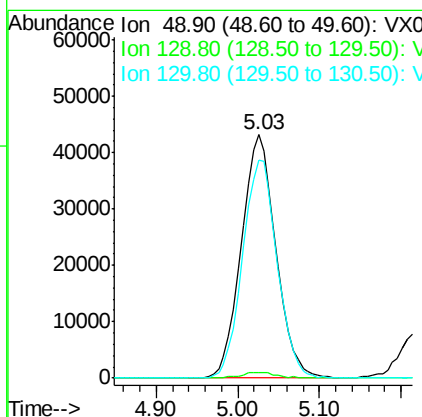
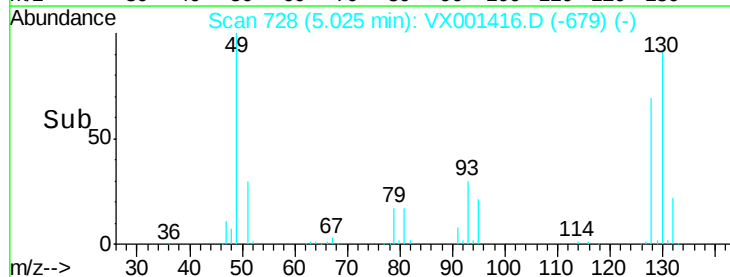
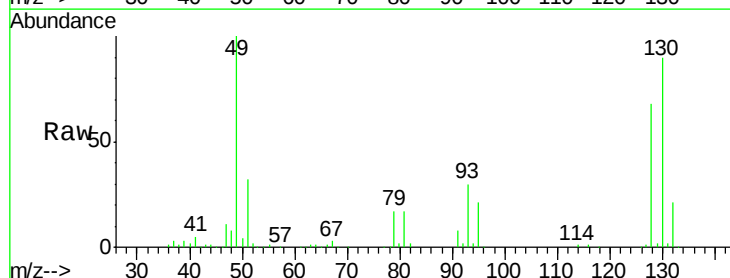
apatel  
5/8/2018 7:53:34 AM

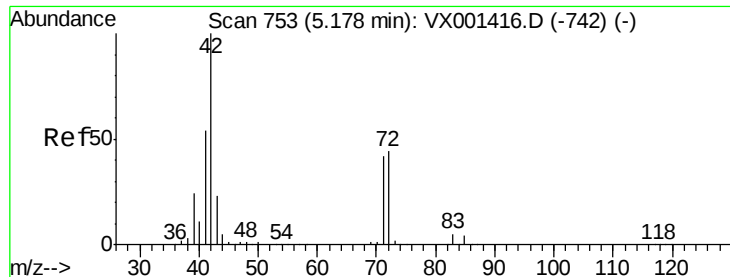


#28

Bromochloromethane  
Concen: 53.991 ug/l  
RT: 5.03 min Scan# 728  
Delta R.T. 0.00 min  
Lab File: VX001416.D  
Acq: 05 May 2018 13:24

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 49      | 100   |      |       |       |
| 129     | 2.4   | 0.0  | 4.8   |       |
| 130     | 89.9  | 71.9 | 107.9 |       |





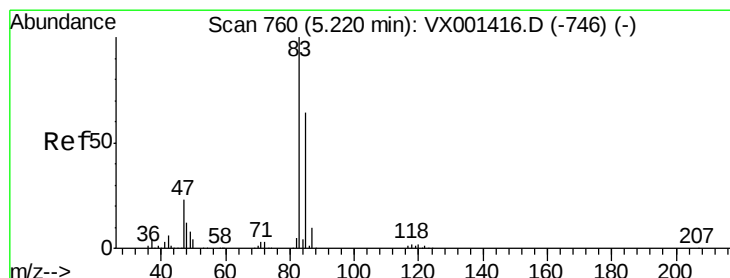
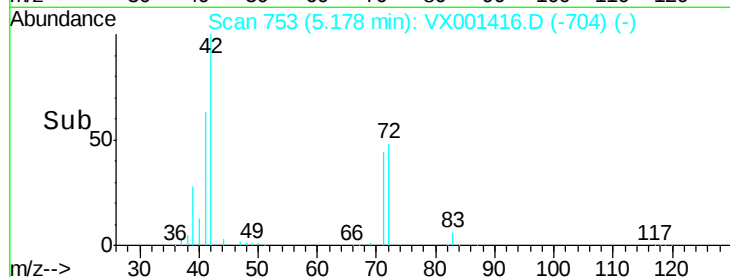
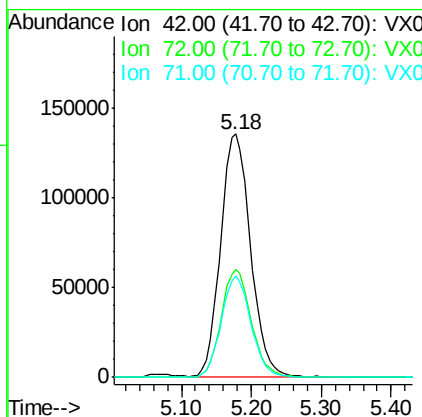
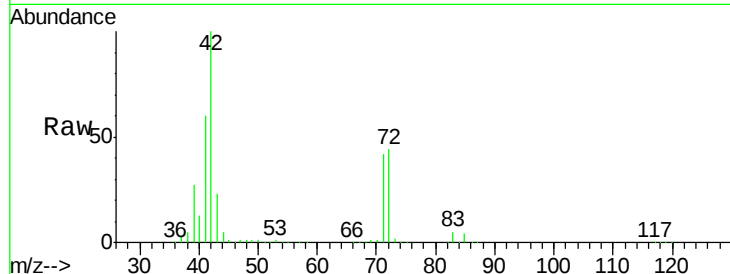
#29  
Tetrahydrofuran  
Concen: 286.750 ug/l  
RT: 5.18 min Scan# 753  
Delta R.T. 0.00 min  
Lab File: VX001416.D  
Acq: 05 May 2018 13:24

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 44.3  | 35.4  | 53.2  |
| 71      | 41.2  | 33.0  | 49.4  |

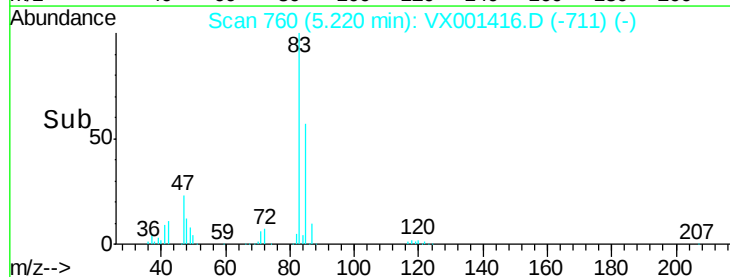
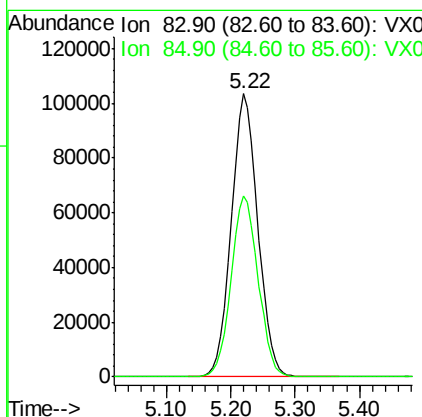
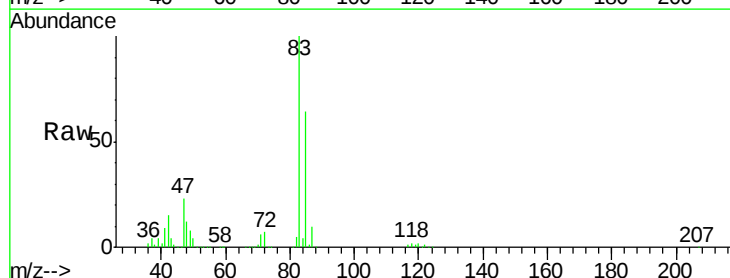
Manual Integrations  
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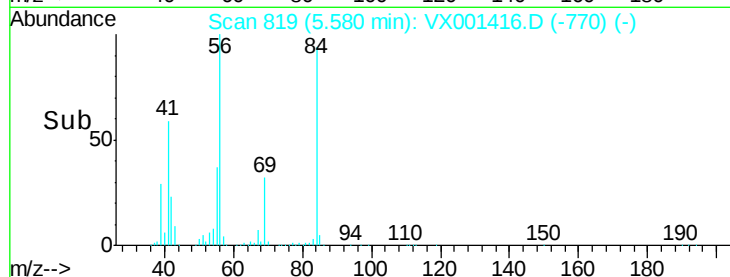
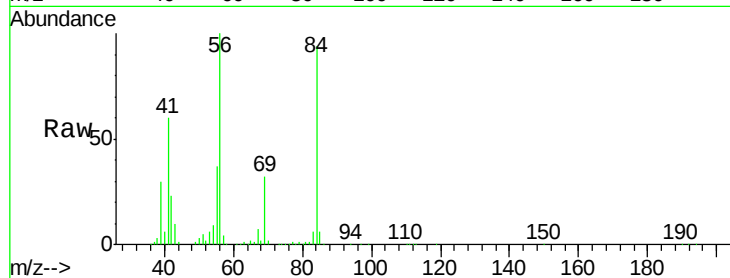
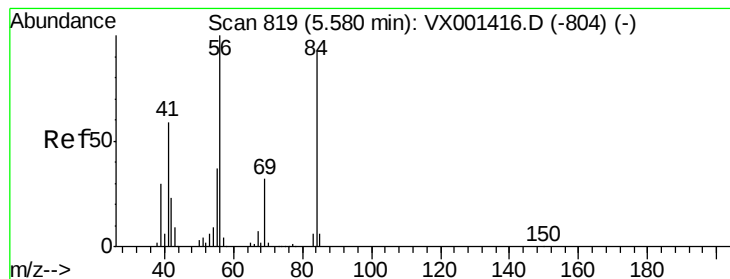
apatel  
5/8/2018 7:53:34 AM



#30  
Chloroform  
Concen: 53.113 ug/l  
RT: 5.22 min Scan# 760  
Delta R.T. 0.00 min  
Lab File: VX001416.D  
Acq: 05 May 2018 13:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 63.7  | 51.0  | 76.4  |





#31

Cyclohexane

Concen: 52.409 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX001416.D

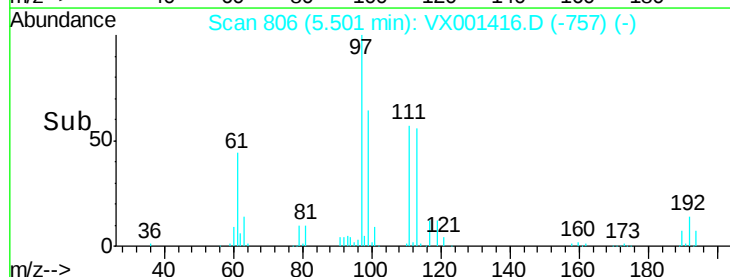
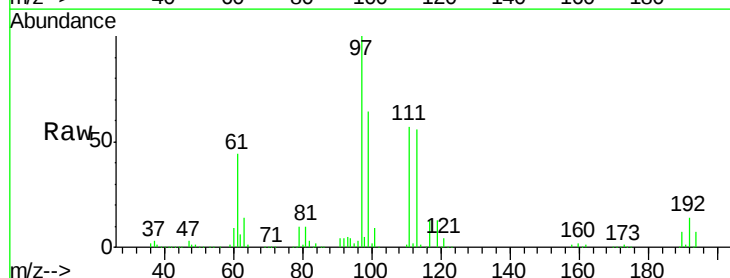
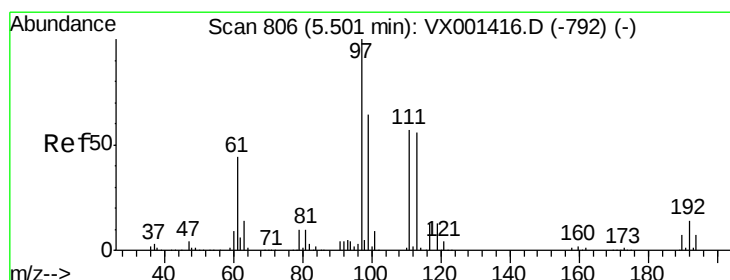
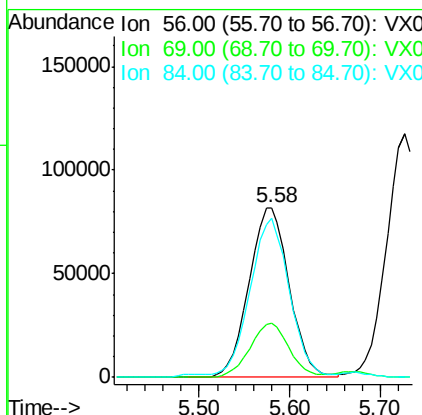
Acq: 05 May 2018 13:24

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 56    | Resp: | 250795 |
| Ion Ratio | Lower | Upper |        |
| 56        | 100   |       |        |
| 69        | 31.7  | 25.4  | 38.0   |
| 84        | 92.3  | 73.8  | 110.8  |

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Manual Integrations  
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#32

1,1,1-Trichloroethane

Concen: 54.545 ug/l

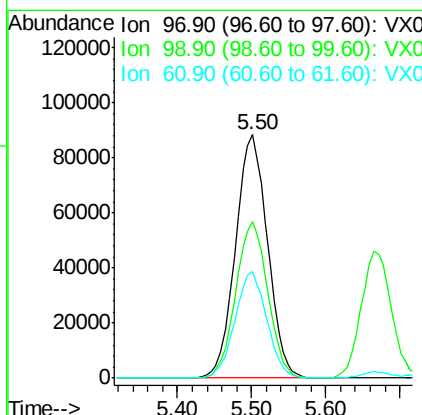
RT: 5.50 min Scan# 806

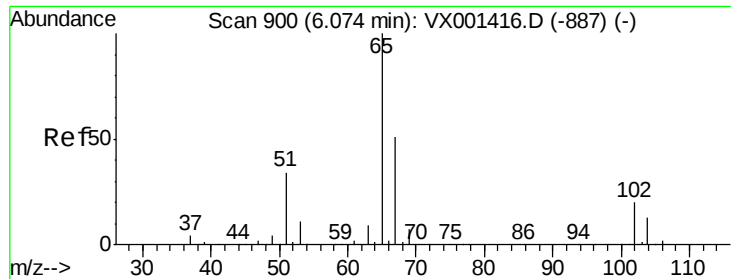
Delta R.T. 0.00 min

Lab File: VX001416.D

Acq: 05 May 2018 13:24

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 97    | Resp: | 267092 |
| Ion Ratio | Lower | Upper |        |
| 97        | 100   |       |        |
| 99        | 64.1  | 51.3  | 76.9   |
| 61        | 43.5  | 34.8  | 52.2   |





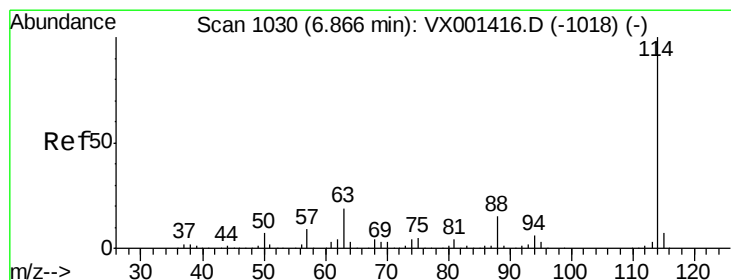
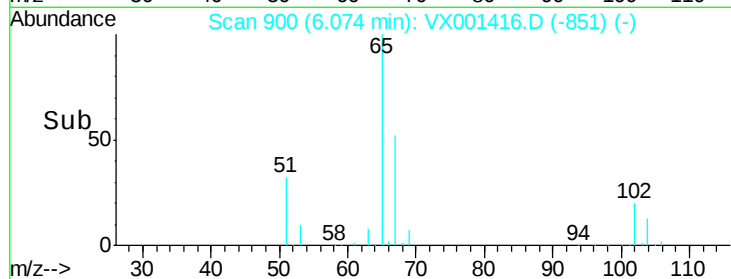
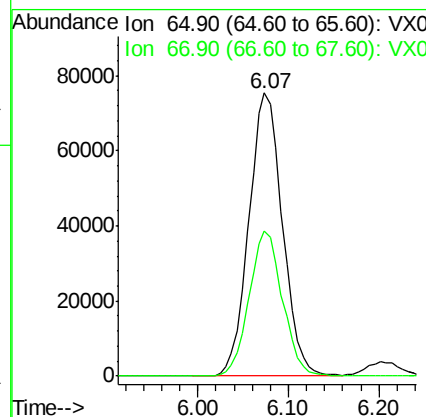
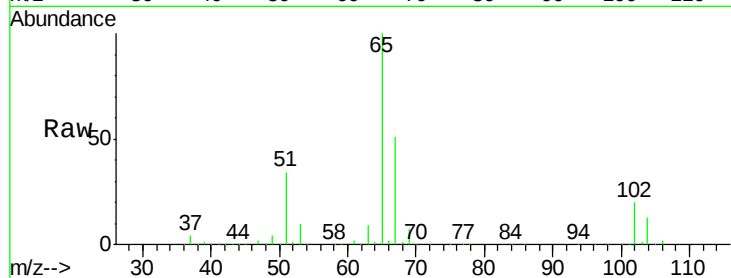
#33  
 1,2-Dichloroethane-d4  
 Concen: 50.089 ug/l  
 RT: 6.07 min Scan# 900  
 Delta R.T. 0.00 min  
 Lab File: VX001416.D  
 Acq: 05 May 2018 13:24

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 193216 |       |       |
| 67      | 50.9  | 0.0    | 101.8 |       |

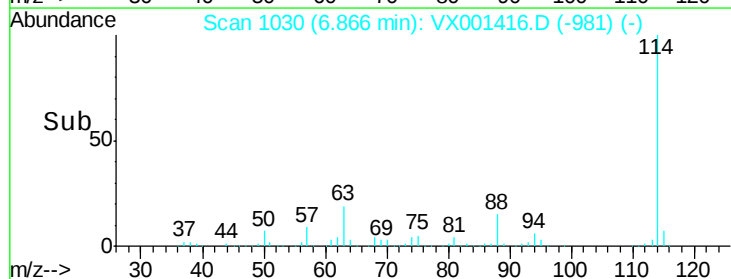
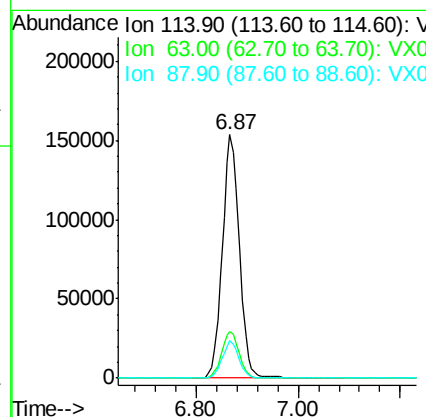
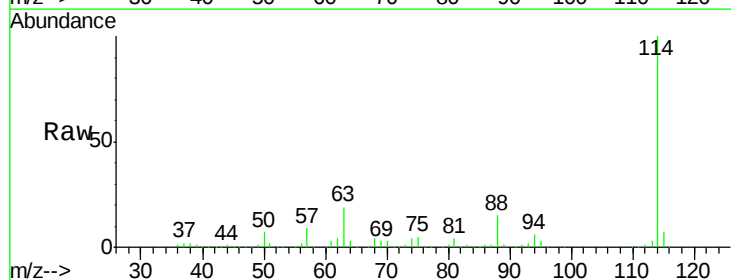
Manual Integrations  
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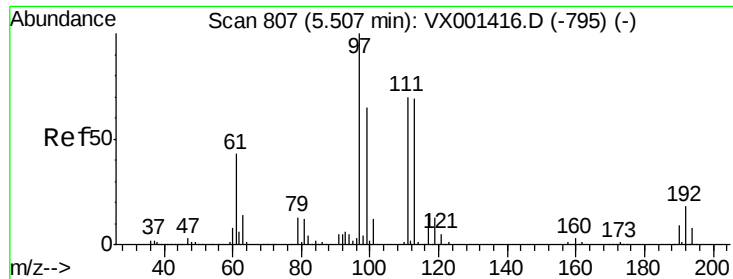
apatel  
 5/8/2018 7:53:34 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.87 min Scan# 1030  
 Delta R.T. 0.00 min  
 Lab File: VX001416.D  
 Acq: 05 May 2018 13:24

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 356158 |       |       |
| 63      | 19.3  | 0.0    | 38.6  |       |
| 88      | 15.4  | 0.0    | 30.8  |       |





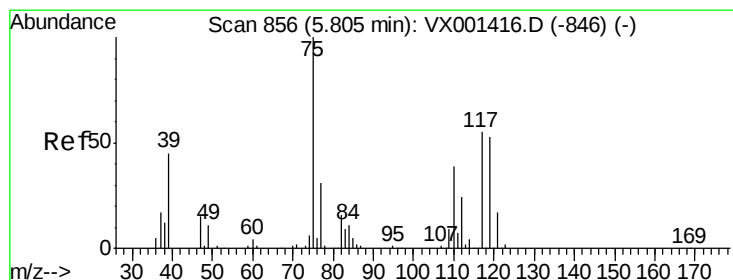
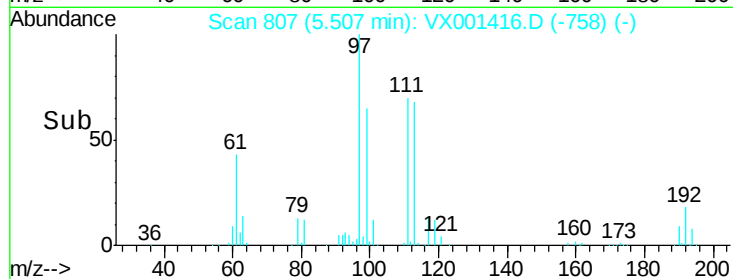
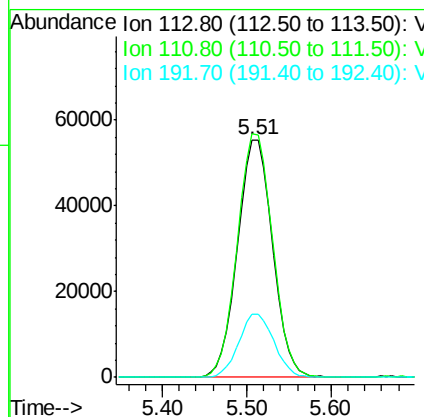
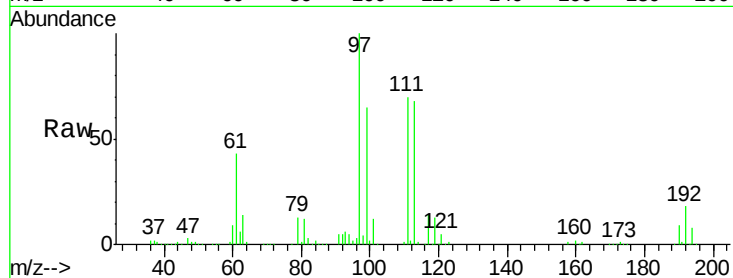
#35  
 Dibromofluoromethane  
 Concen: 50.559 ug/l  
 RT: 5.51 min Scan# 807  
 Delta R.T. 0.00 min  
 Lab File: VX001416.D  
 Acq: 05 May 2018 13:24

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 156361 |       |       |
| 111     | 102.7 | 82.2   | 123.2 |       |
| 192     | 26.7  | 21.4   | 32.0  |       |

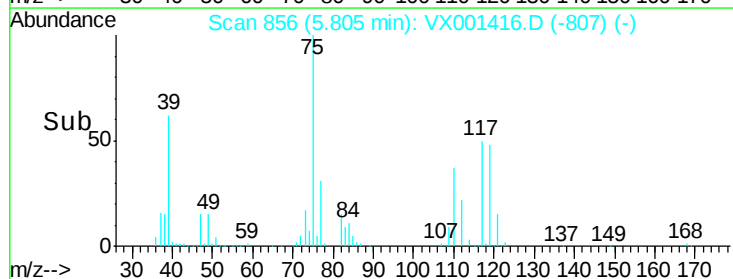
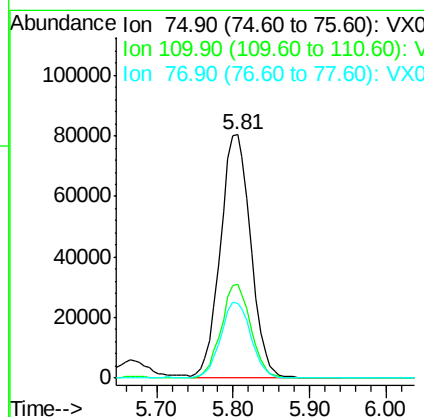
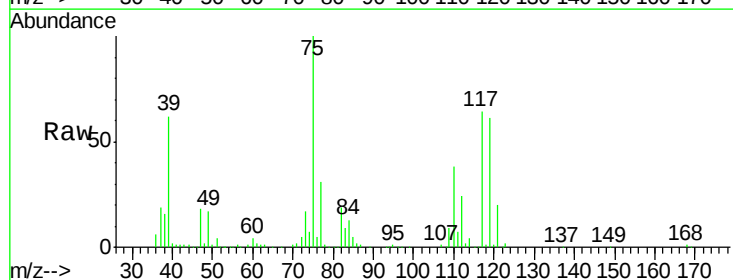
Manual Integrations  
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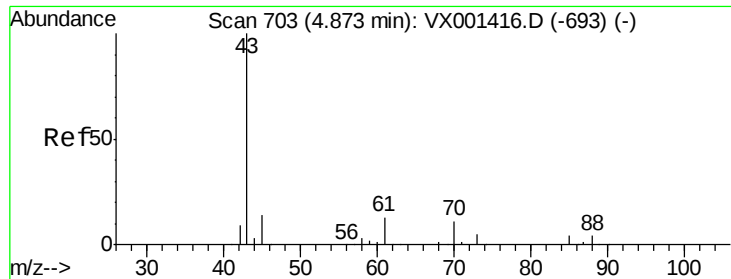
apatel  
 5/8/2018 7:53:34 AM



#36  
 1,1-Dichloropropene  
 Concen: 52.525 ug/l  
 RT: 5.81 min Scan# 856  
 Delta R.T. 0.00 min  
 Lab File: VX001416.D  
 Acq: 05 May 2018 13:24

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 220585 |       |       |
| 110     | 37.8  | 18.9   | 56.7  |       |
| 77      | 31.1  | 24.9   | 37.3  |       |





#37

Ethyl Acetate

Concen: 56.555 ug/l

RT: 4.87 min Scan# 703

Delta R.T. 0.00 min

Lab File: VX001416.D

Acq: 05 May 2018 13:24

Instrument :

MSVOA\_X

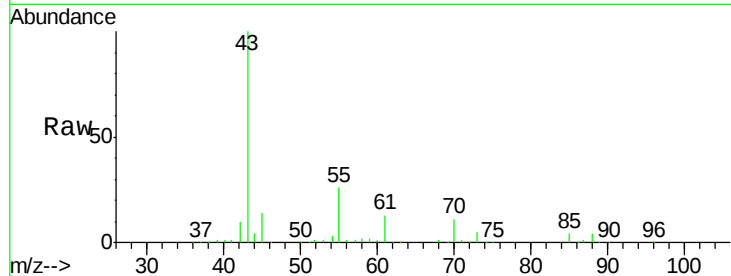
ClientSampleId :

VSTDICCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 242649 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 13.4  | 10.7  | 16.1   |
| 70       | 10.5  | 8.4   | 12.6   |

Manual Integrations  
APPROVED

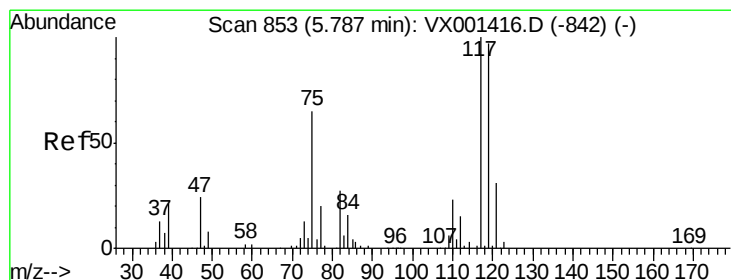
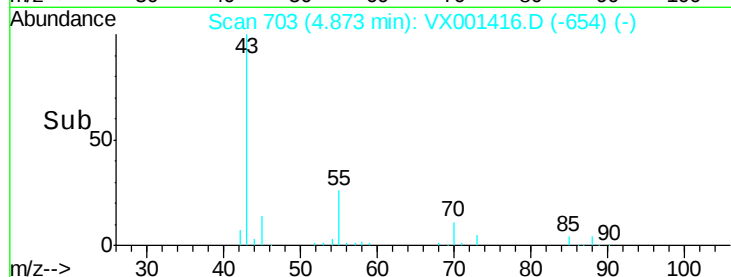
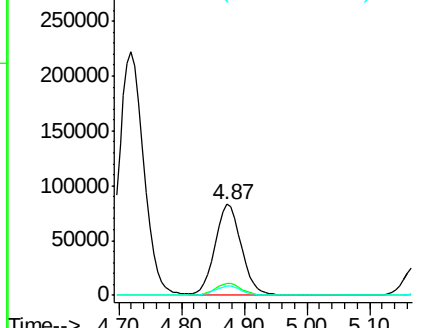
apatel  
5/8/2018 7:53:34 AM



Abundance Ion 43.00 (42.70 to 43.70): VX001416.D (-693) (-)

Ion 60.90 (60.60 to 61.60): VX001416.D (-693) (-)

Ion 70.00 (69.70 to 70.70): VX001416.D (-693) (-)



#38

Carbon Tetrachloride

Concen: 55.481 ug/l

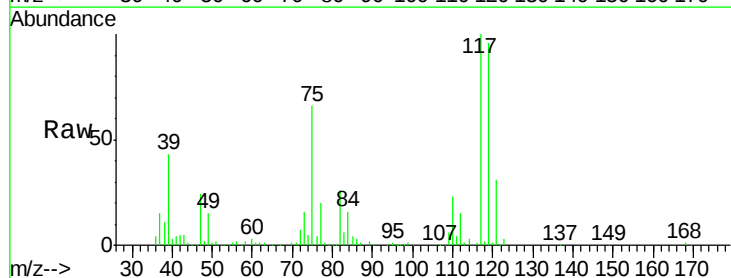
RT: 5.79 min Scan# 853

Delta R.T. 0.00 min

Lab File: VX001416.D

Acq: 05 May 2018 13:24

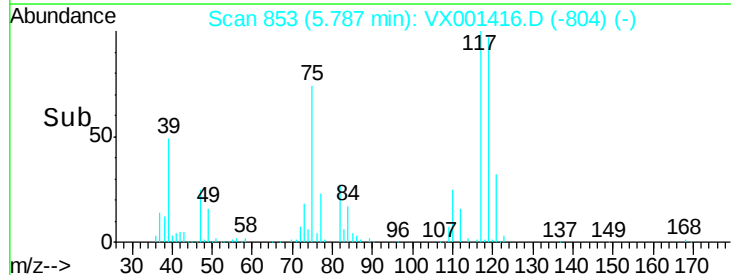
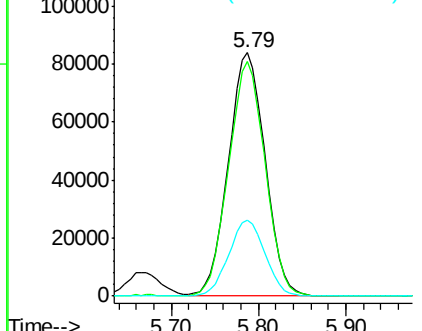
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 245123 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 96.3  | 77.0  | 115.6  |
| 121      | 31.4  | 25.1  | 37.7   |

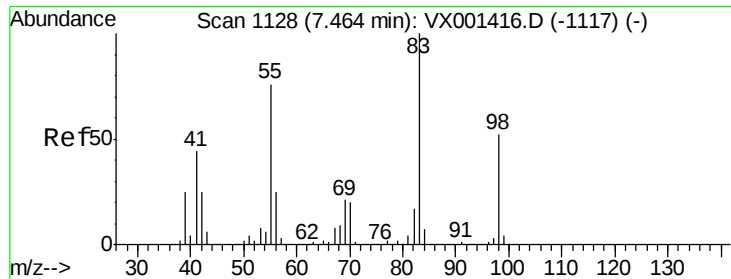


Abundance Ion 116.80 (116.50 to 117.50): VX001416.D (-842) (-)

Ion 118.80 (118.50 to 119.50): VX001416.D (-842) (-)

Ion 120.80 (120.50 to 121.50): VX001416.D (-842) (-)





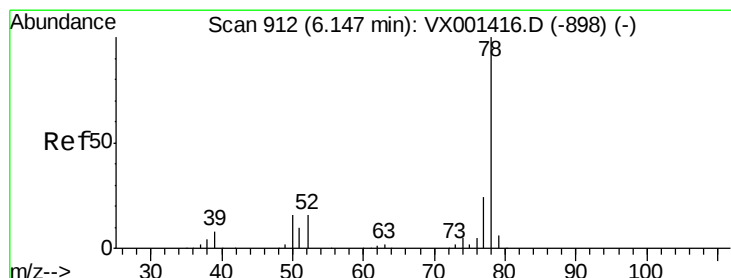
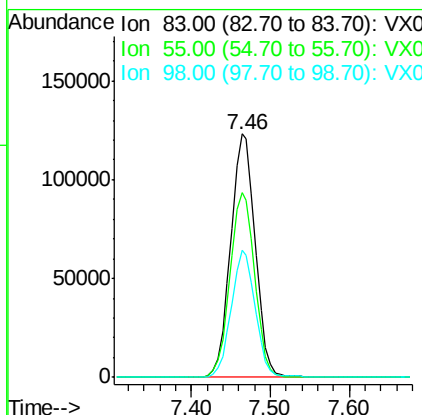
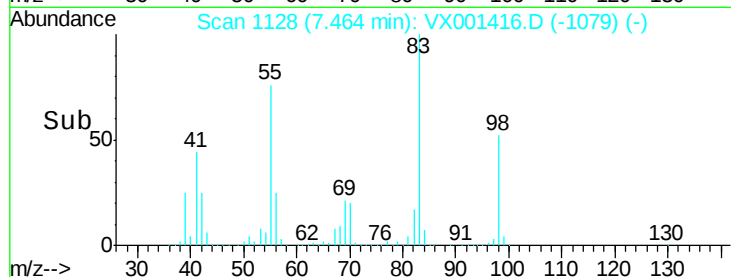
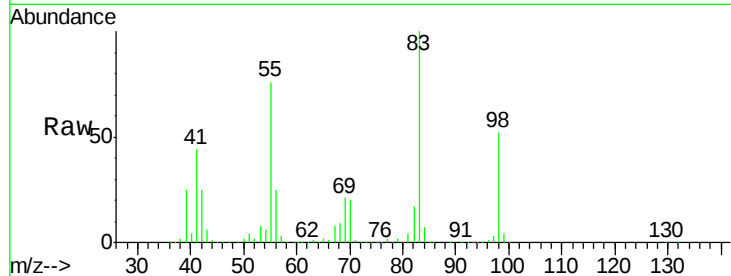
#39  
Methvlcvclohexane  
Concen: 53.753 ug/l  
RT: 7.46 min Scan# 1128  
Delta R.T. 0.00 min  
Lab File: VX001416.D  
Acq: 05 May 2018 13:24

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 76.1  | 60.9  | 91.3  |
| 98      | 52.4  | 41.9  | 62.9  |

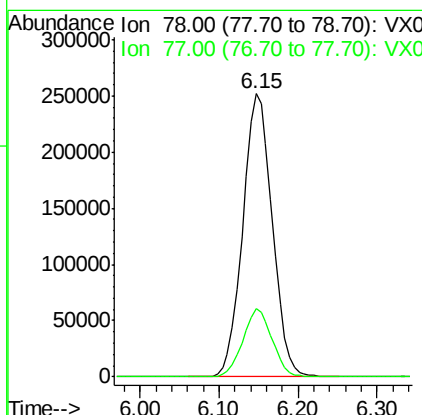
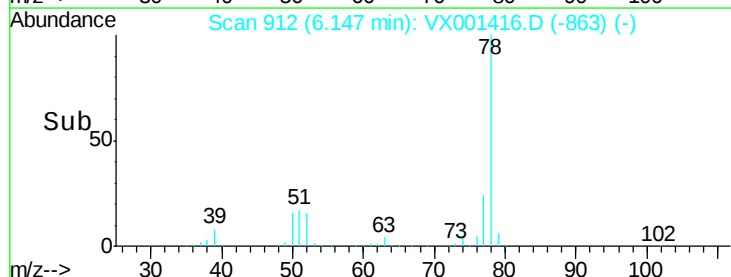
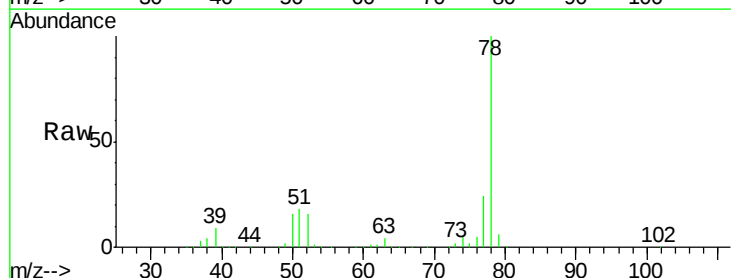
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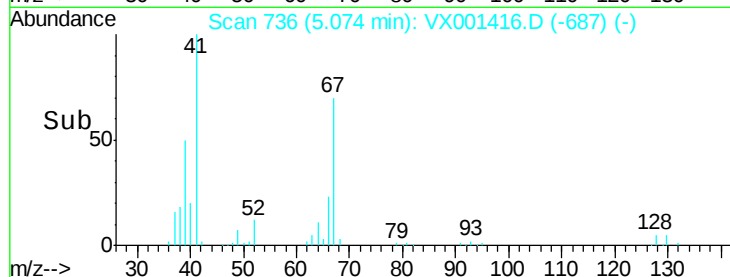
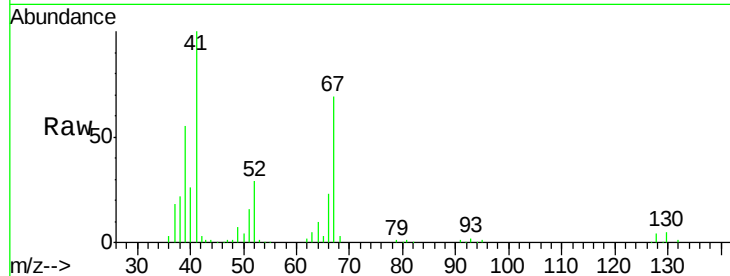
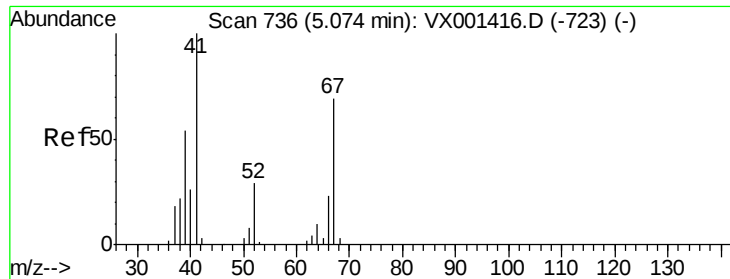
apatel  
5/8/2018 7:53:34 AM



#40  
Benzene  
Concen: 54.189 ug/l  
RT: 6.15 min Scan# 912  
Delta R.T. 0.00 min  
Lab File: VX001416.D  
Acq: 05 May 2018 13:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.3  | 19.4  | 29.2  |





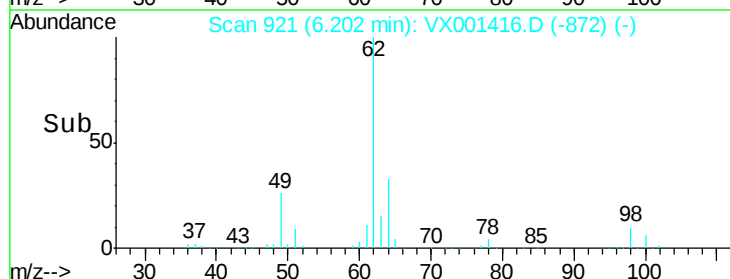
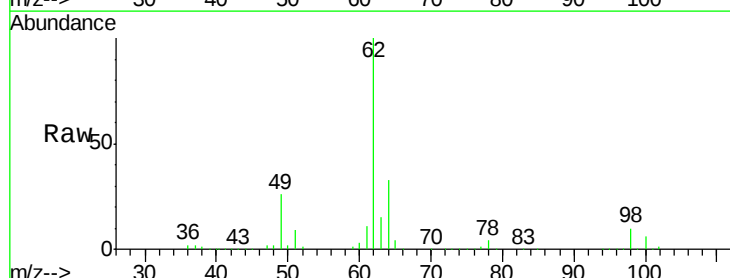
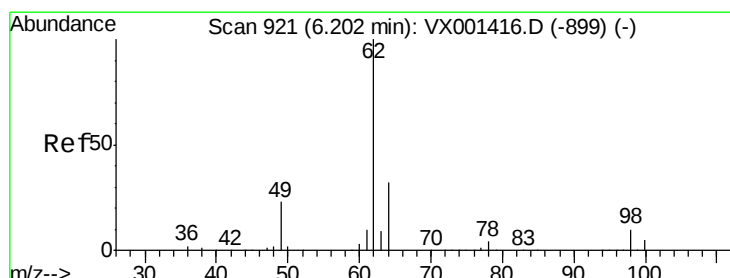
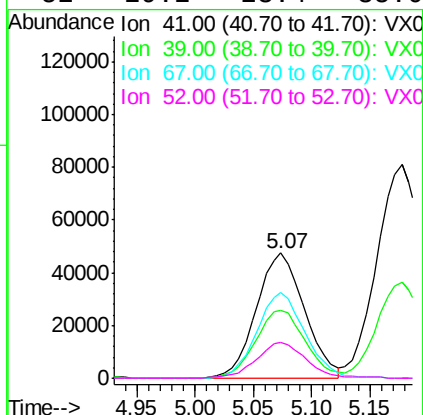
#41  
Methacrylonitrile  
Concen: 54.556 ug/l  
RT: 5.07 min Scan# 736  
Delta R.T. 0.00 min  
Lab File: VX001416.D  
Acq: 05 May 2018 13:24

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 41      | 100  |       |      |       |       |
| 39      | 56.3 | 45.0  | 67.6 |       |       |
| 67      | 68.8 | 55.0  | 82.6 |       |       |
| 52      | 29.2 | 23.4  | 35.0 |       |       |

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

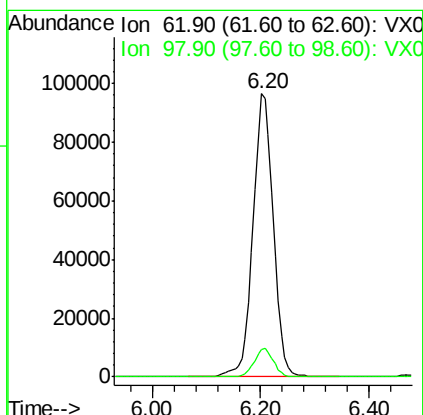
Manual Integrations  
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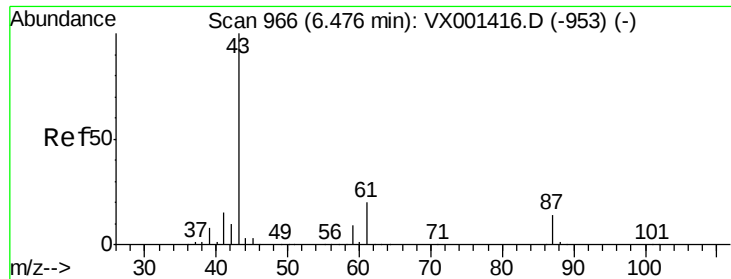
apatel  
5/8/2018 7:53:34 AM



#42  
1,2-Dichloroethane  
Concen: 53.289 ug/l  
RT: 6.20 min Scan# 921  
Delta R.T. 0.00 min  
Lab File: VX001416.D  
Acq: 05 May 2018 13:24

| Tgt Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 62      | 100 |       |      |       |       |
| 98      | 9.5 | 0.0   | 19.0 |       |       |





#43

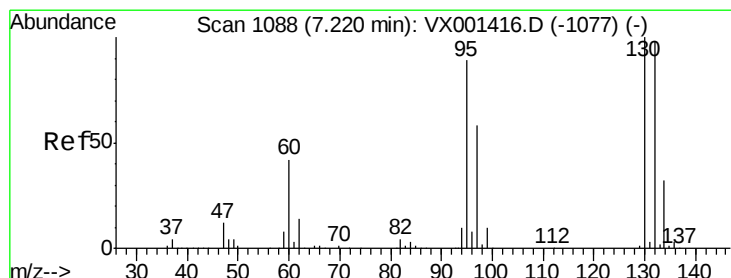
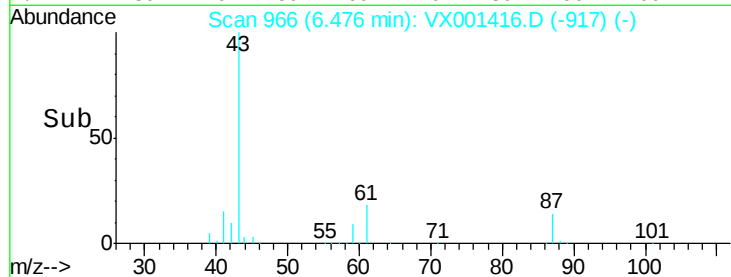
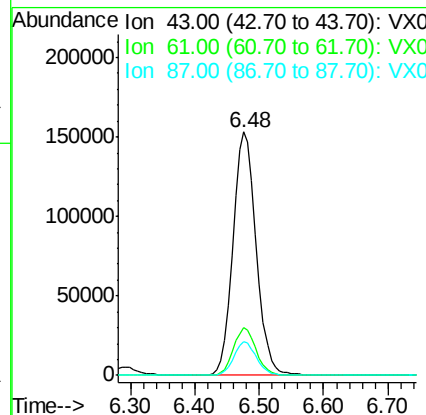
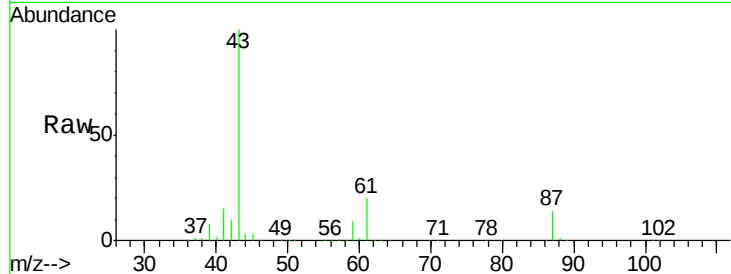
Isopropyl Acetate  
 Concen: 56.162 ug/l  
 RT: 6.48 min Scan# 966  
 Delta R.T. 0.00 min  
 Lab File: VX001416.D  
 Acq: 05 May 2018 13:24

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 19.2  | 15.4  | 23.0  |
| 87      | 13.5  | 10.8  | 16.2  |

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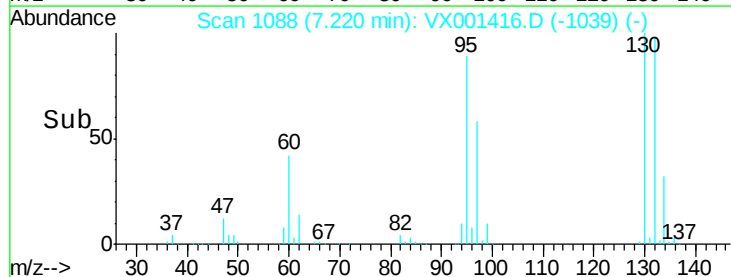
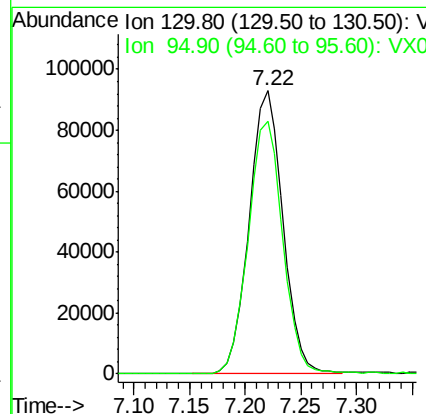
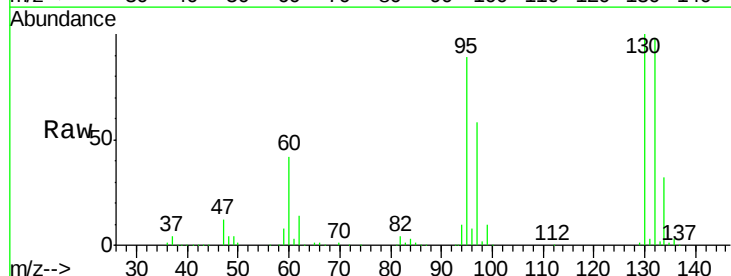
apatel  
 5/8/2018 7:53:34 AM

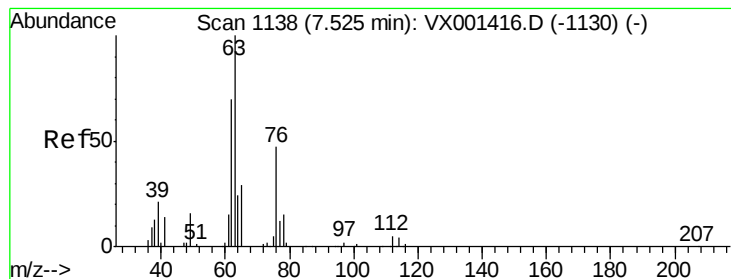


#44

Trichloroethene  
 Concen: 53.093 ug/l  
 RT: 7.22 min Scan# 1088  
 Delta R.T. 0.00 min  
 Lab File: VX001416.D  
 Acq: 05 May 2018 13:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 89.2  | 0.0   | 178.4 |





#45

1,2-Dichloropropane

Concen: 52.204 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VX001416.D

Acq: 05 May 2018 13:24

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 160869

Ion Ratio Lower Upper

63 100

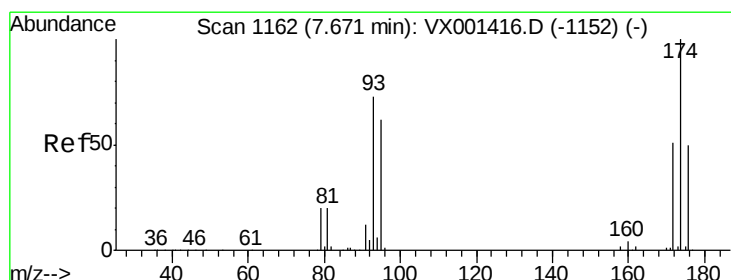
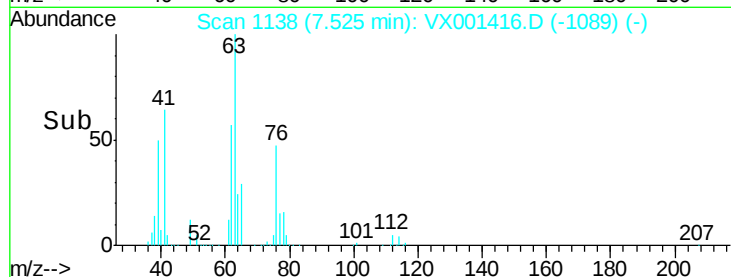
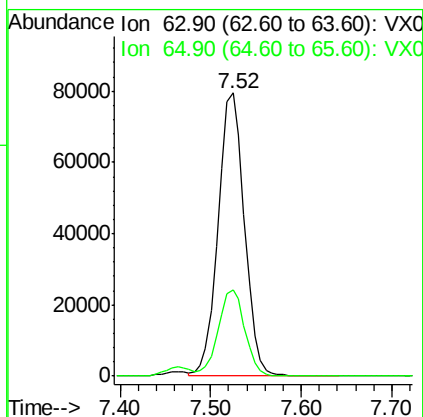
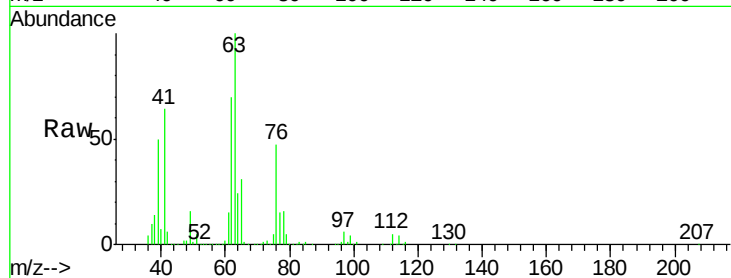
65 30.6 24.5 36.7

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#46

Dibromomethane

Concen: 52.924 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VX001416.D

Acq: 05 May 2018 13:24

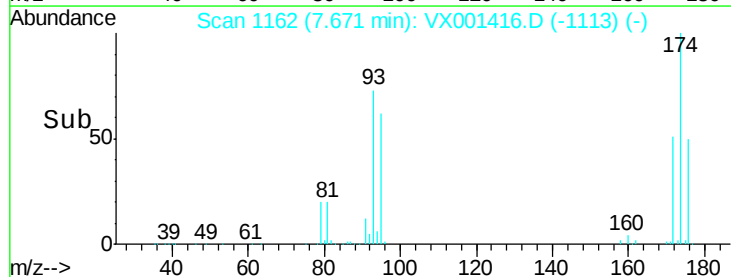
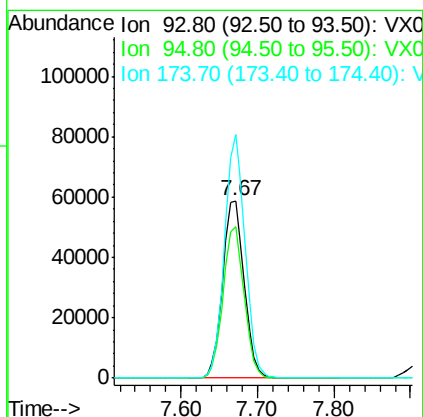
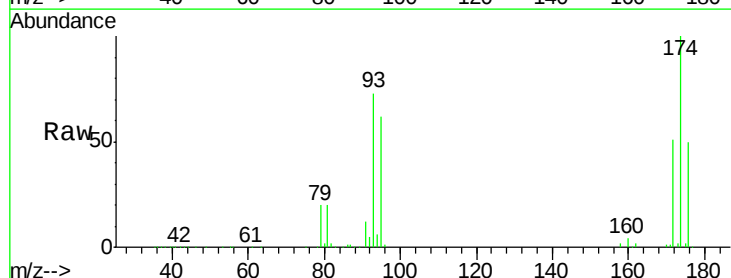
Tgt Ion: 93 Resp: 114843

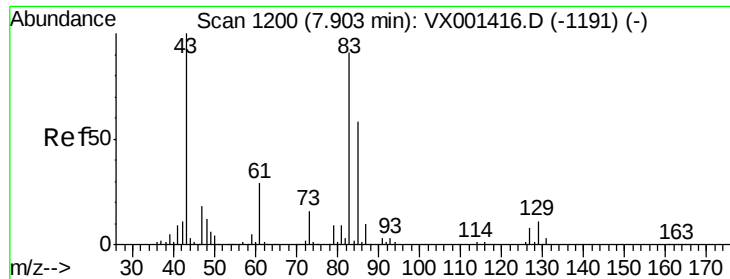
Ion Ratio Lower Upper

93 100

95 83.7 67.0 100.4

174 130.6 104.5 156.7





#47

Bromodichloromethane

Concen: 56.978 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX001416.D

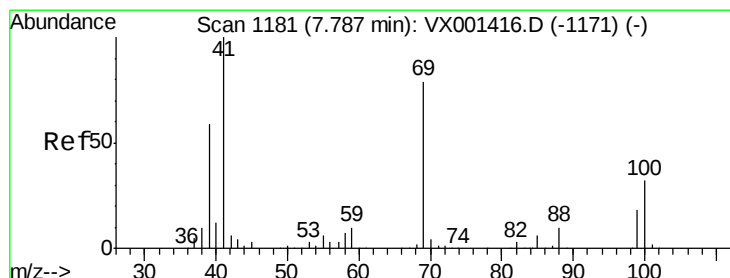
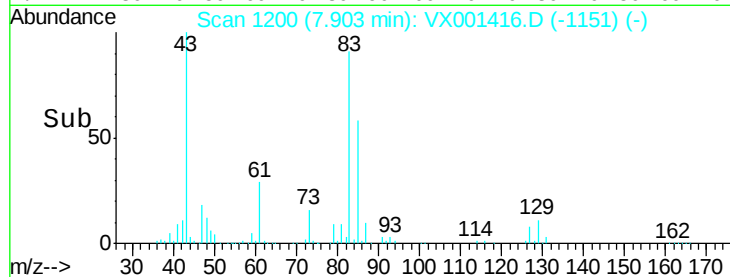
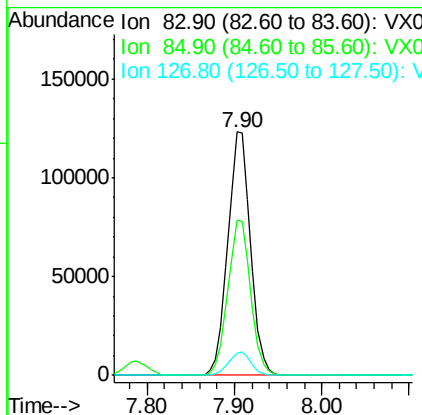
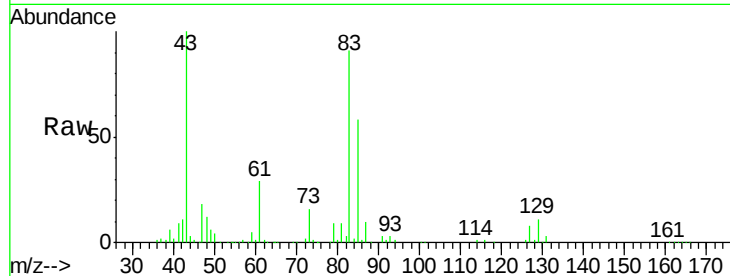
Acq: 05 May 2018 13:24

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 222563 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 63.8  | 51.0  | 76.6   |
| 127       | 9.3   | 7.4   | 11.2   |

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Manual Integrations  
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#48

Methyl methacrylate

Concen: 57.158 ug/l

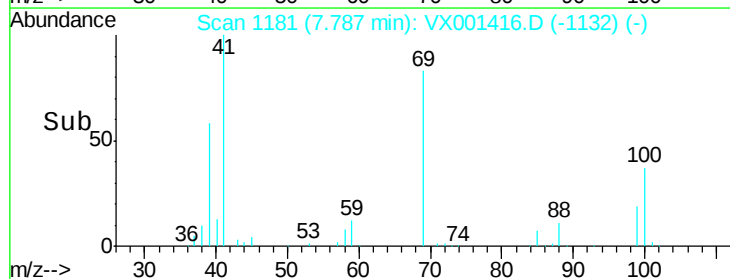
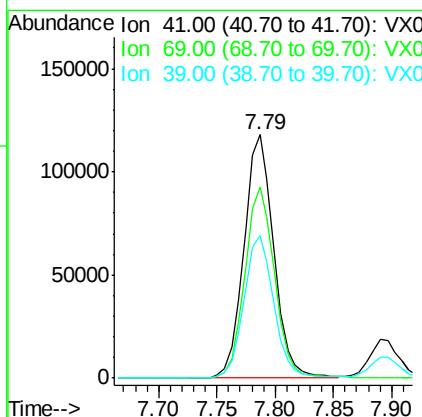
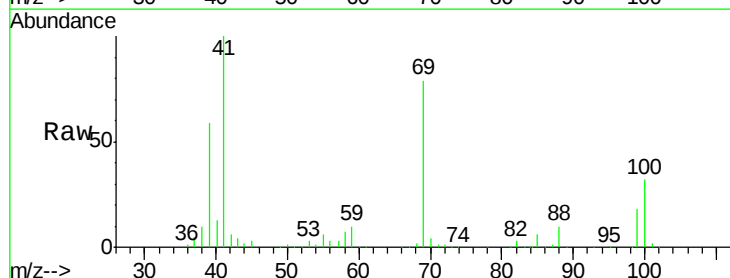
RT: 7.79 min Scan# 1181

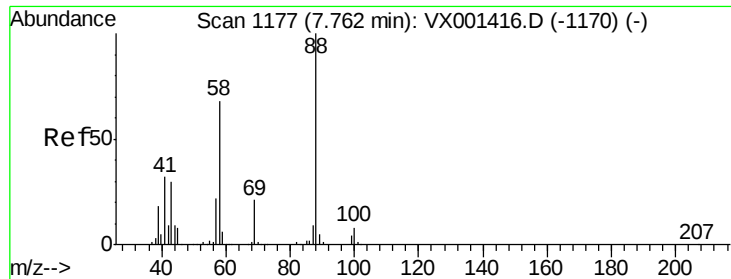
Delta R.T. 0.00 min

Lab File: VX001416.D

Acq: 05 May 2018 13:24

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 210522 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 79.3  | 63.4  | 95.2   |
| 39        | 58.7  | 47.0  | 70.4   |





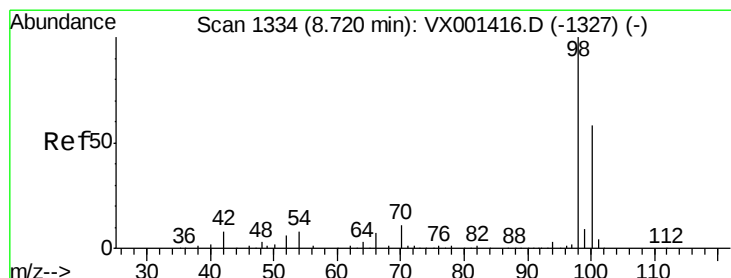
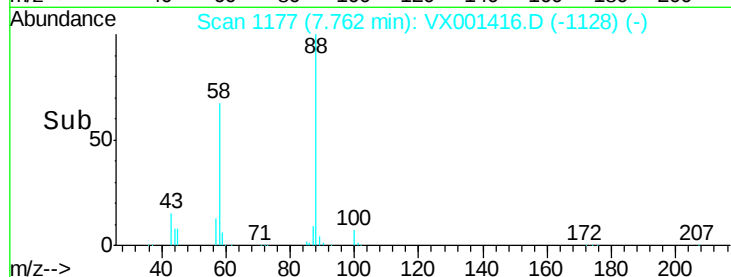
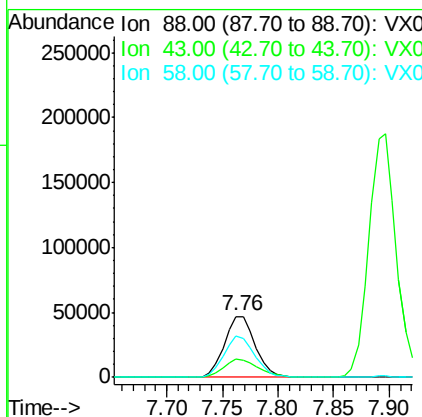
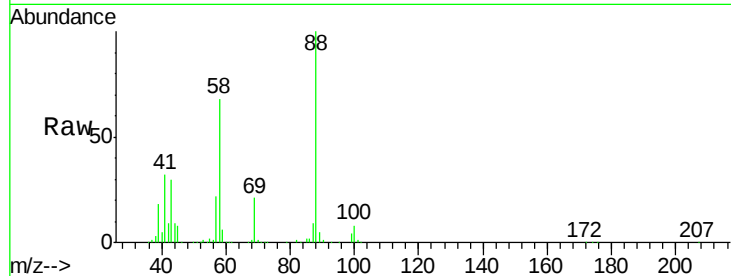
#49  
1,4-Dioxane  
Concen: 1272.653 ug/l  
RT: 7.76 min Scan# 1177  
Delta R.T. 0.00 min  
Lab File: VX001416.D  
Acq: 05 May 2018 13:24

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 33.0  | 26.4  | 39.6  |
| 58      | 67.6  | 54.1  | 81.1  |

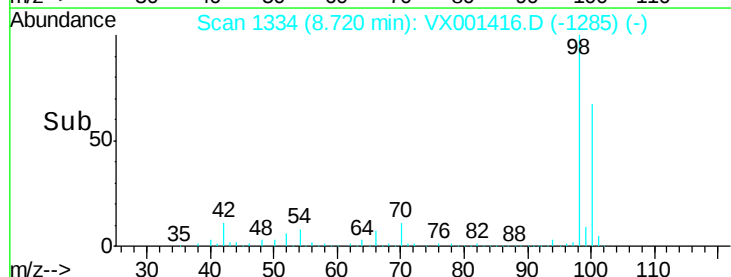
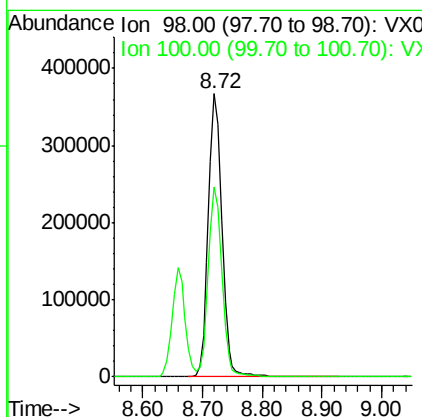
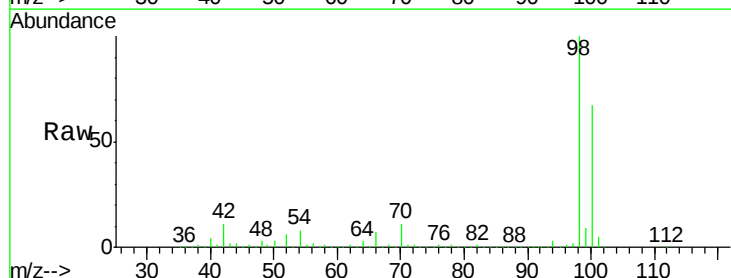
Manual Integrations  
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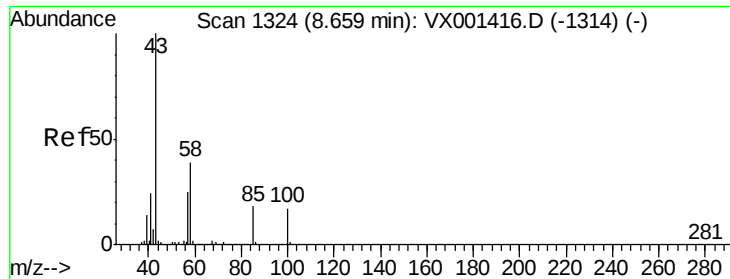
apatel  
5/8/2018 7:53:34 AM



#50  
Toluene-d8  
Concen: 52.577 ug/l  
RT: 8.72 min Scan# 1334  
Delta R.T. 0.00 min  
Lab File: VX001416.D  
Acq: 05 May 2018 13:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 67.5  | 54.0  | 81.0  |





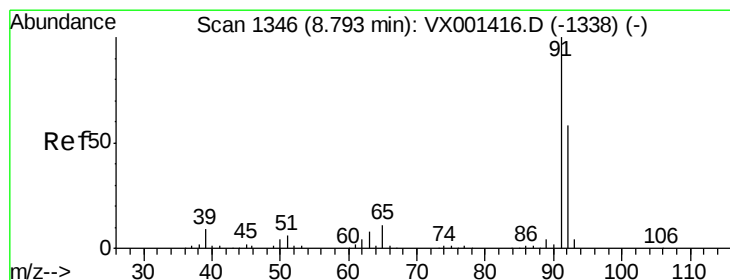
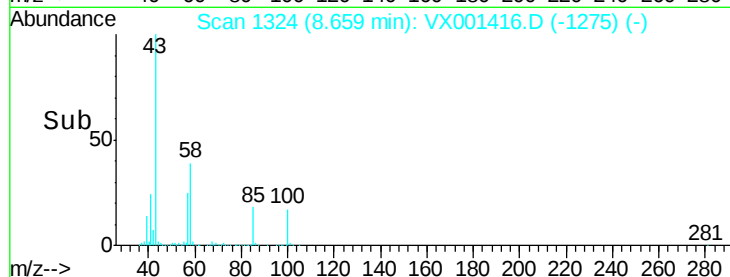
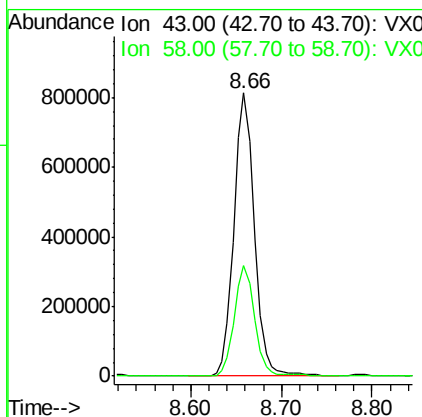
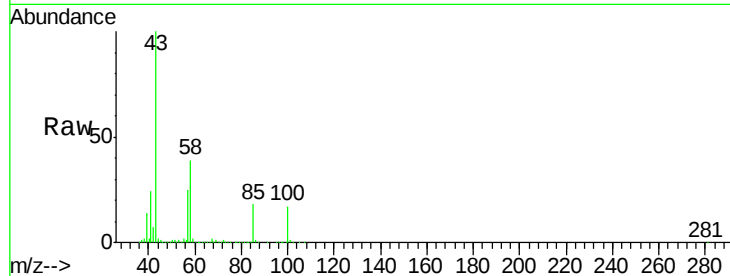
#51  
4-Methyl-2-Pentanone  
Concen: 287.238 ug/l  
RT: 8.66 min Scan# 1324  
Delta R.T. 0.00 min  
Lab File: VX001416.D  
Acq: 05 May 2018 13:24

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Tot Ion: 43 Resp: 1278079  
Ion Ratio Lower Upper  
43 100  
58 38.5 30.8 46.2

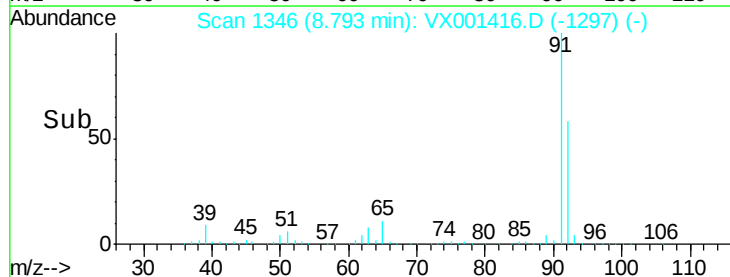
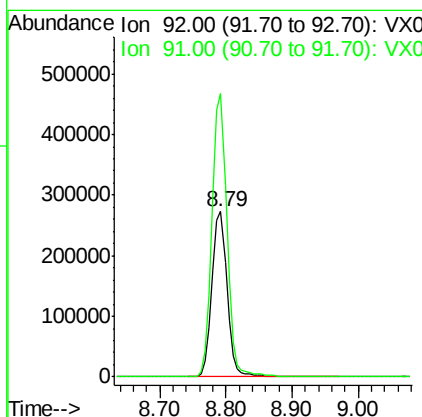
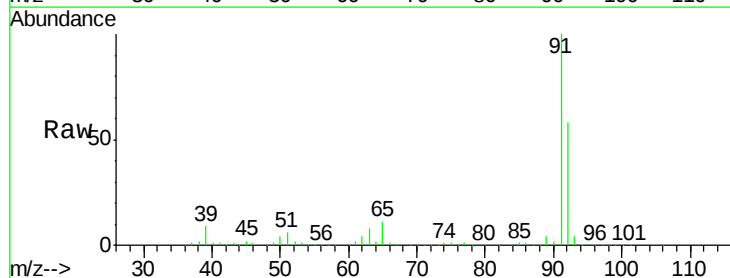
Manual Integrations  
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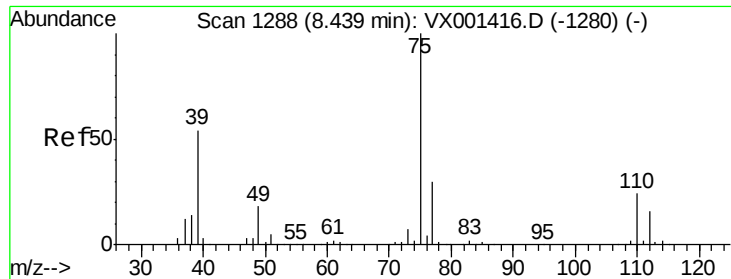
apatel  
5/8/2018 7:53:34 AM



#52  
Toluene  
Concen: 54.766 ug/l  
RT: 8.79 min Scan# 1346  
Delta R.T. 0.00 min  
Lab File: VX001416.D  
Acq: 05 May 2018 13:24

Tgt Ion: 92 Resp: 433360  
Ion Ratio Lower Upper  
92 100  
91 169.0 135.2 202.8





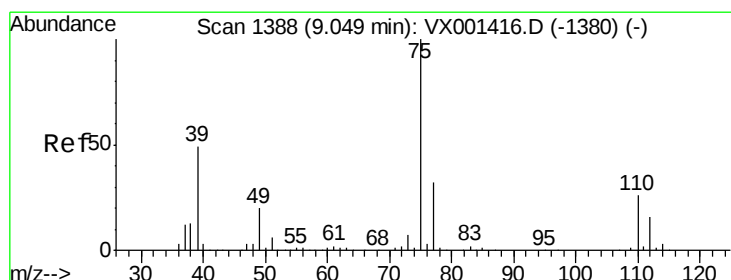
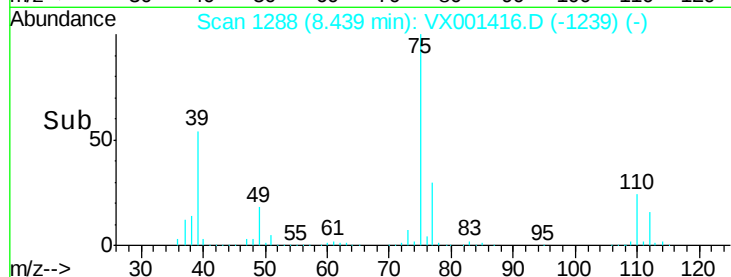
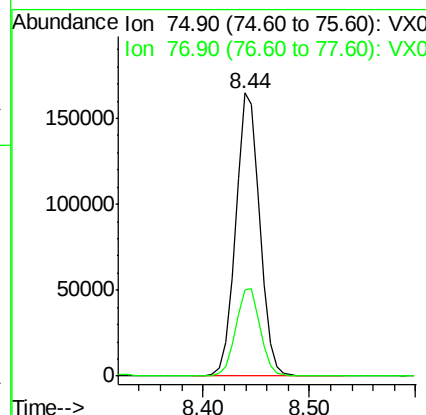
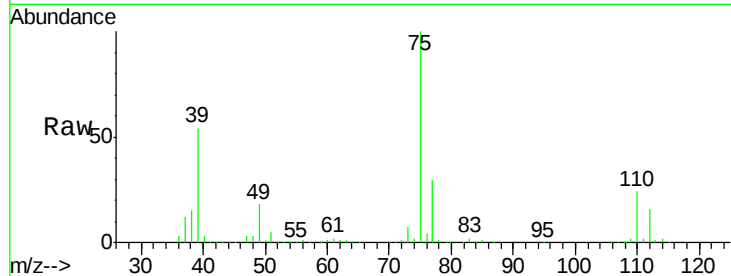
#53  
t-1,3-Dichloropropene  
Concen: 56.165 ug/l  
RT: 8.44 min Scan# 1288  
Delta R.T. 0.00 min  
Lab File: VX001416.D  
Acq: 05 May 2018 13:24

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 259890 |       |       |
| 77      | 30.3  |        | 24.2  | 36.4  |

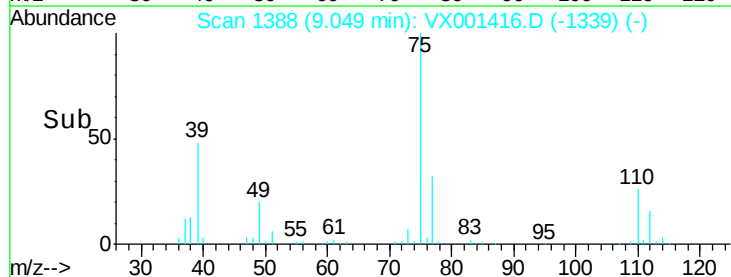
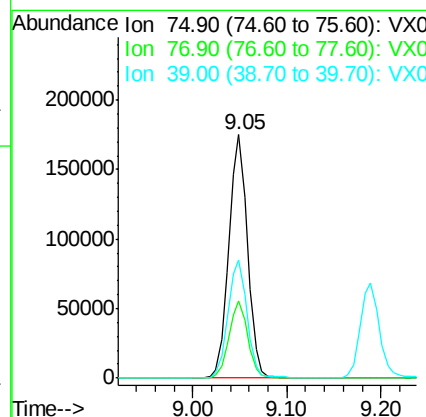
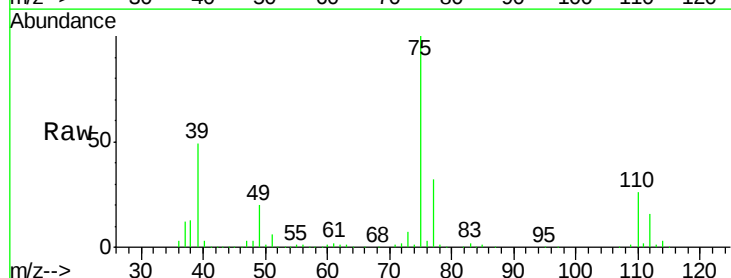
Manual Integrations  
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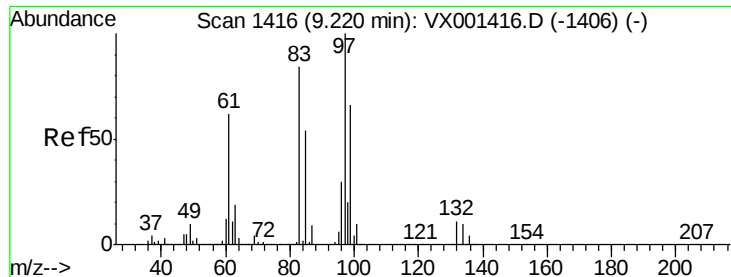
apatel  
5/8/2018 7:53:34 AM



#54  
cis-1,3-Dichloropropene  
Concen: 56.709 ug/l  
RT: 9.05 min Scan# 1388  
Delta R.T. 0.00 min  
Lab File: VX001416.D  
Acq: 05 May 2018 13:24

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 240433 |       |       |
| 77      | 31.9  |        | 25.5  | 38.3  |
| 39      | 48.6  |        | 38.9  | 58.3  |





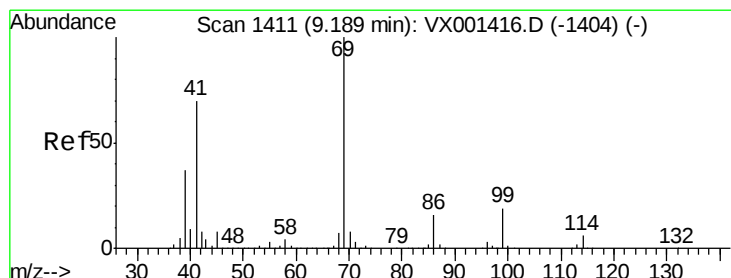
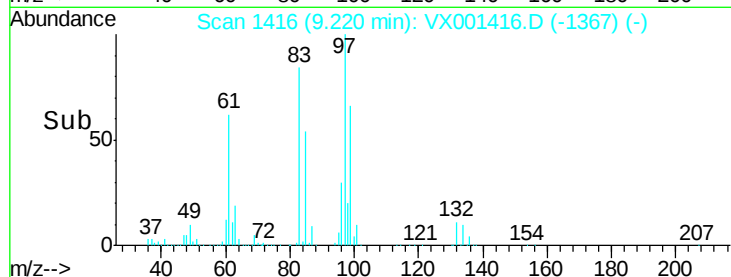
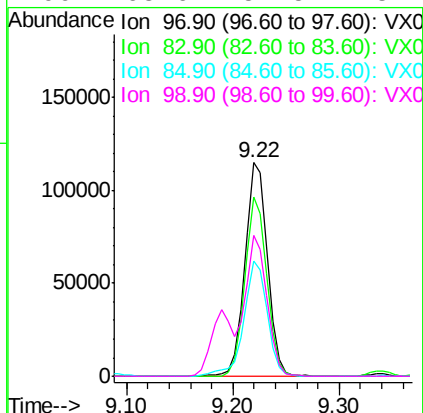
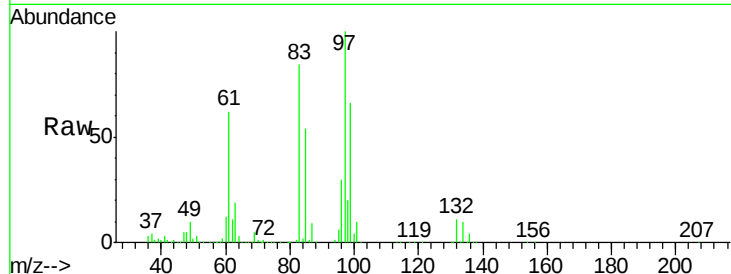
#55  
 1,1,2-Trichloroethane  
 Concen: 53.749 ug/l  
 RT: 9.22 min Scan# 1416  
 Delta R.T. 0.00 min  
 Lab File: VX001416.D  
 Acq: 05 May 2018 13:24

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 170894 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 84.2  | 67.4  | 101.0  |
| 85       | 54.1  | 43.3  | 64.9   |
| 99       | 65.6  | 52.5  | 78.7   |

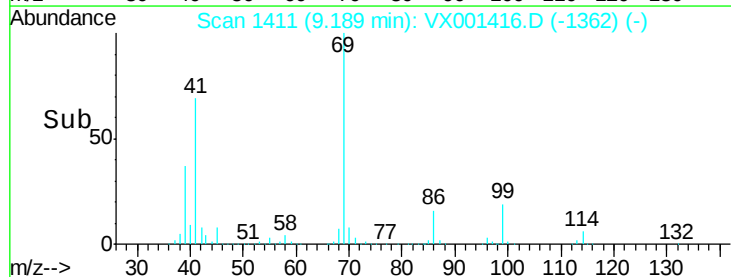
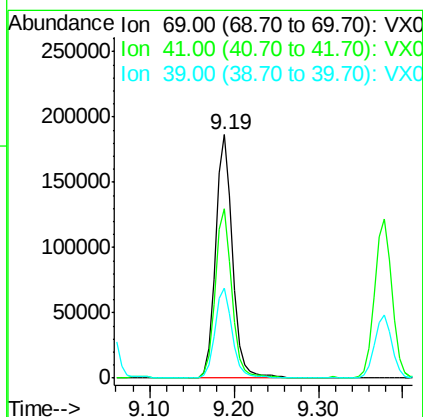
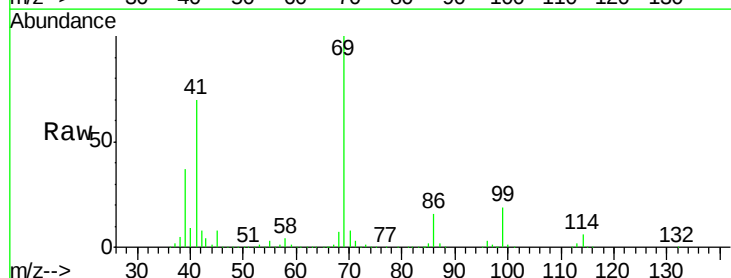
Manual Integrations  
 APPROVED

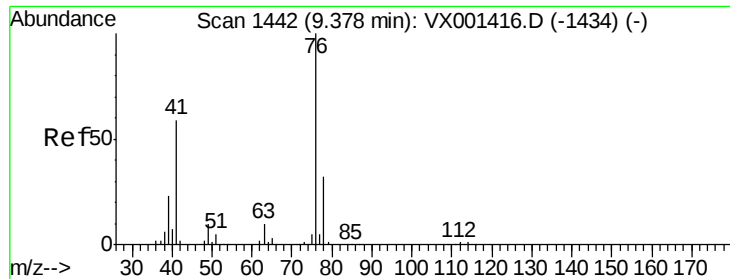
apatel  
 5/8/2018 7:53:34 AM



#56  
 Ethyl methacrylate  
 Concen: 58.443 ug/l  
 RT: 9.19 min Scan# 1411  
 Delta R.T. 0.00 min  
 Lab File: VX001416.D  
 Acq: 05 May 2018 13:24

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 259999 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 68.9  | 55.1  | 82.7   |
| 39       | 37.4  | 29.9  | 44.9   |





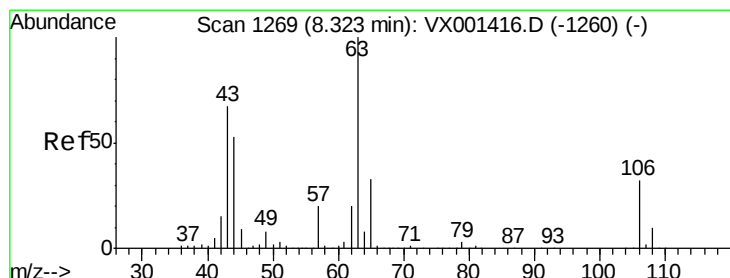
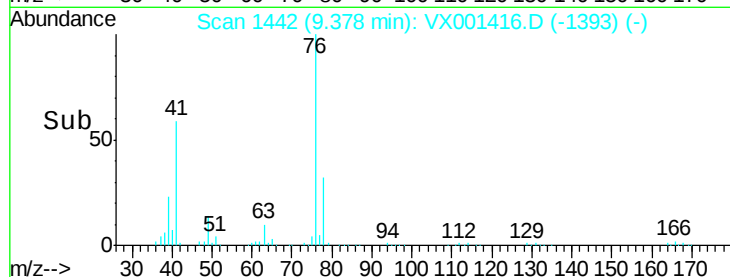
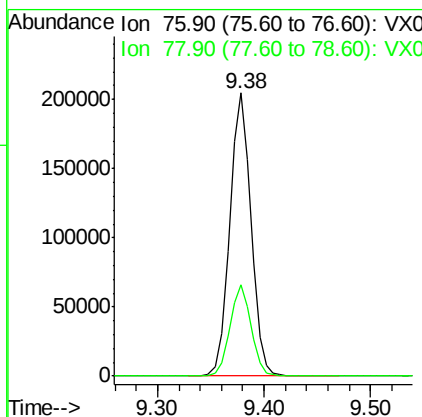
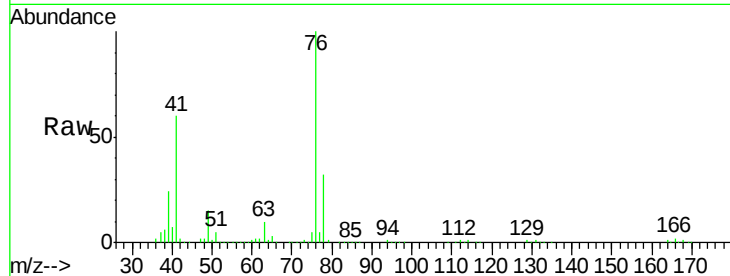
#57  
 1,3-Dichloropropane  
 Concen: 55.659 ug/l  
 RT: 9.38 min Scan# 1442  
 Delta R.T. 0.00 min  
 Lab File: VX001416.D  
 Acq: 05 May 2018 13:24

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.2  | 25.8  | 38.6  |

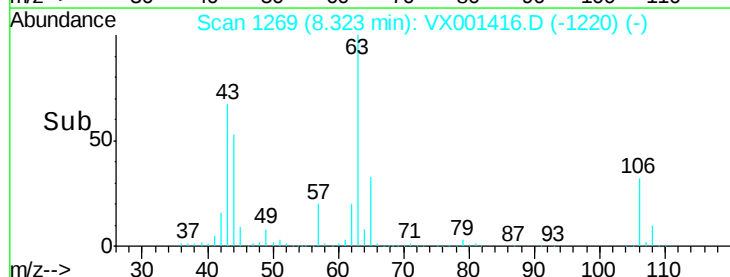
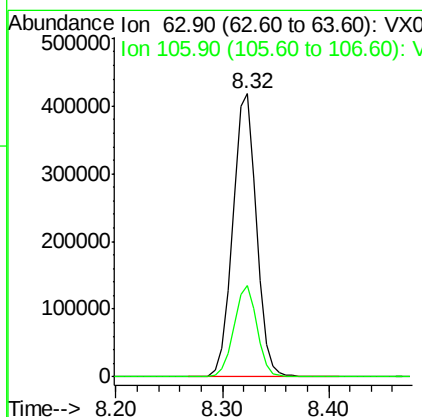
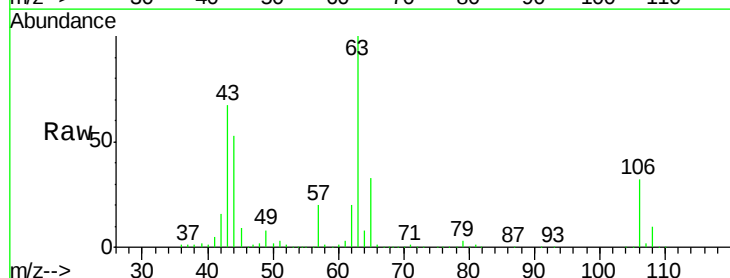
Manual Integrations  
 APPROVED

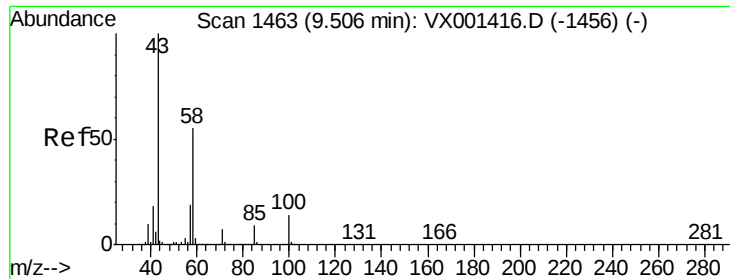
apatel  
 5/8/2018 7:53:34 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 300.874 ug/l  
 RT: 8.32 min Scan# 1269  
 Delta R.T. 0.00 min  
 Lab File: VX001416.D  
 Acq: 05 May 2018 13:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 31.7  | 25.4  | 38.0  |





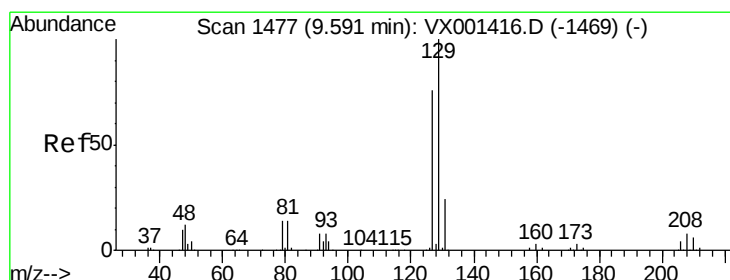
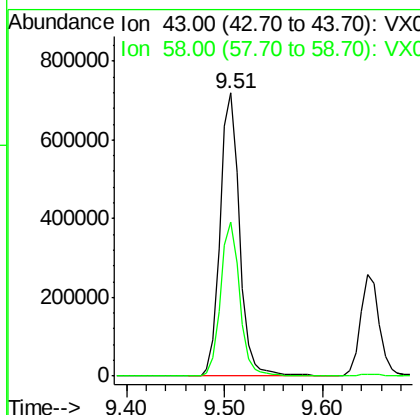
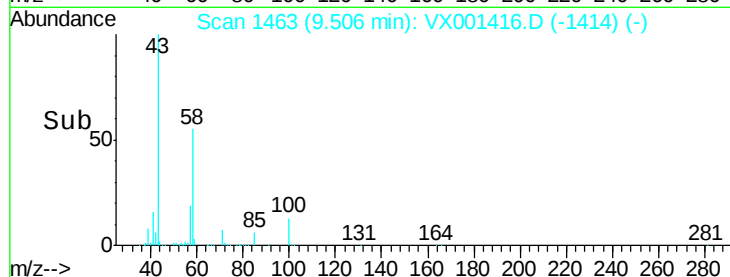
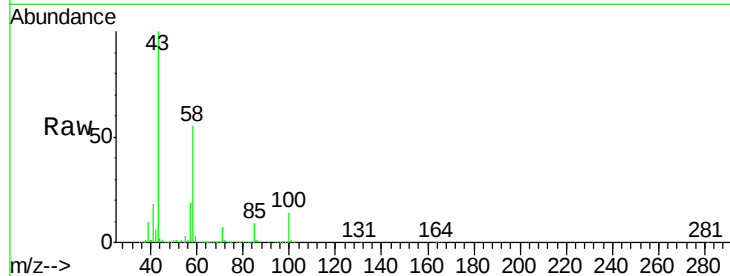
#59  
2-Hexanone  
Concen: 286.312 ug/l  
RT: 9.51 min Scan# 1463  
Delta R.T. 0.00 min  
Lab File: VX001416.D  
Acq: 05 May 2018 13:24

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Tot Ion: 43 Resp: 992570  
Ion Ratio Lower Upper  
43 100  
58 54.1 27.1 81.2

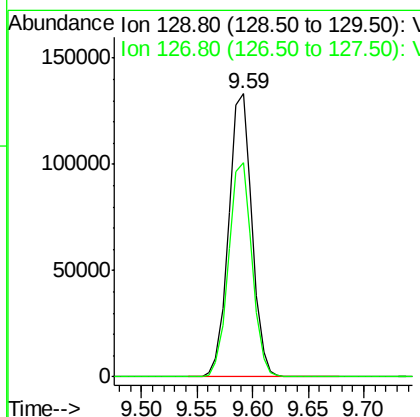
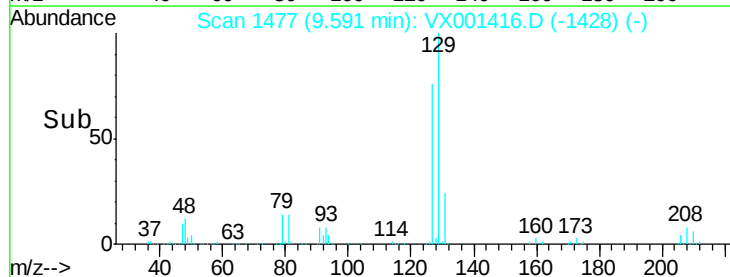
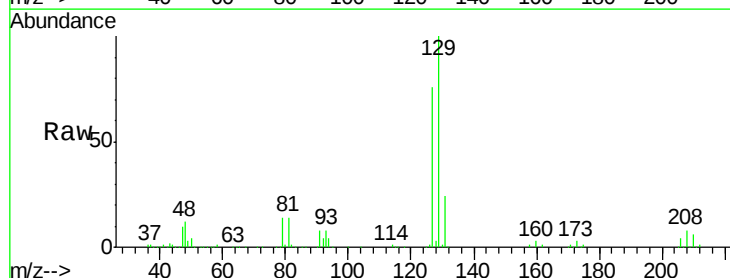
Manual Integrations  
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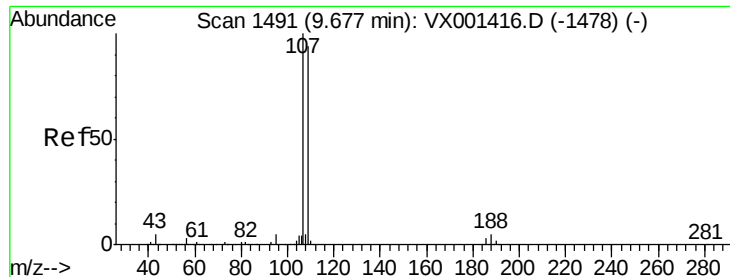
apatel  
5/8/2018 7:53:34 AM



#60  
Dibromochloromethane  
Concen: 57.568 ug/l  
RT: 9.59 min Scan# 1477  
Delta R.T. 0.00 min  
Lab File: VX001416.D  
Acq: 05 May 2018 13:24

Tgt Ion: 129 Resp: 191860  
Ion Ratio Lower Upper  
129 100  
127 76.3 38.1 114.5





#61

1,2-Dibromoethane

Concen: 55.022 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001416.D

Acq: 05 May 2018 13:24

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion:107 Resp: 185853

Ion Ratio Lower Upper

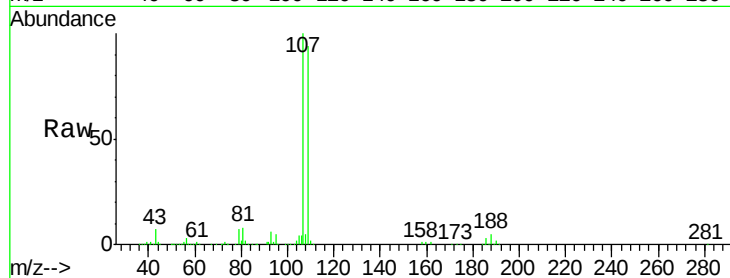
107 100

109 94.4 75.5 113.3

Manual Integrations  
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

150000

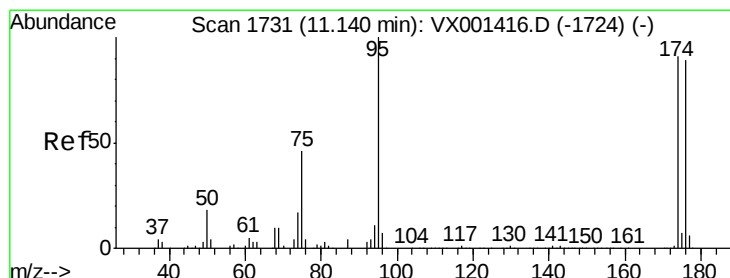
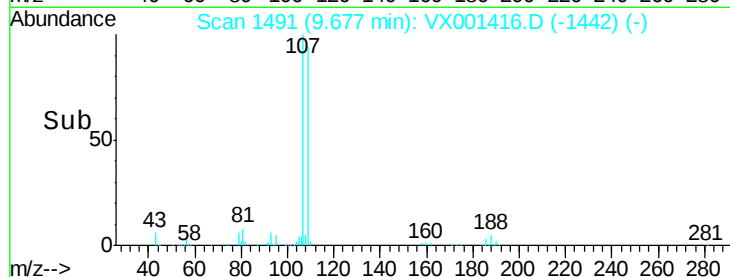
100000

50000

0

9.60 9.70 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 51.060 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001416.D

Acq: 05 May 2018 13:24

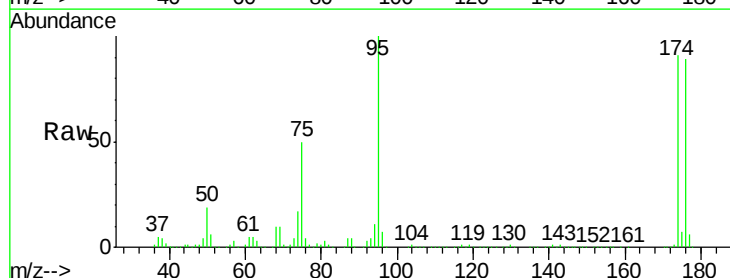
Tgt Ion: 95 Resp: 225046

Ion Ratio Lower Upper

95 100

174 101.0 0.0 202.0

176 98.7 0.0 197.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

150000

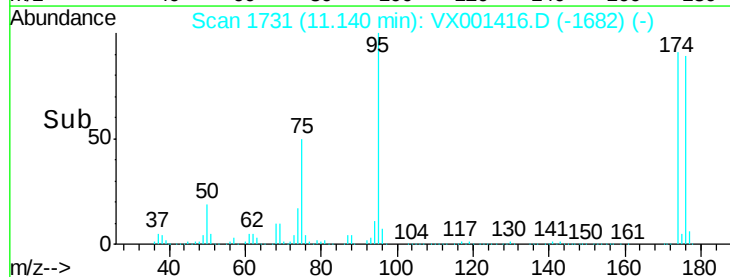
100000

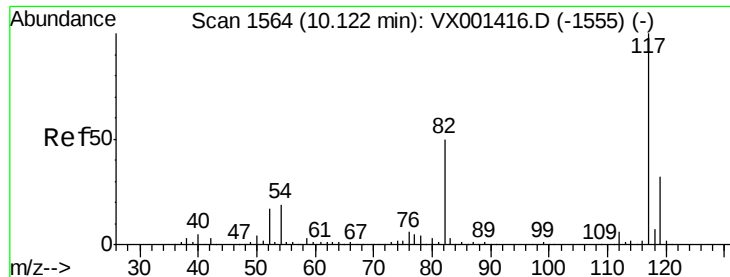
50000

0

11.10 11.20

Time-->





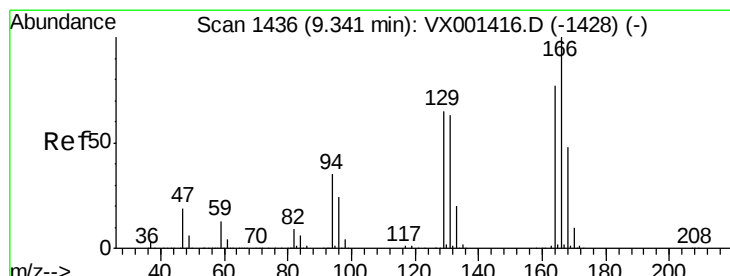
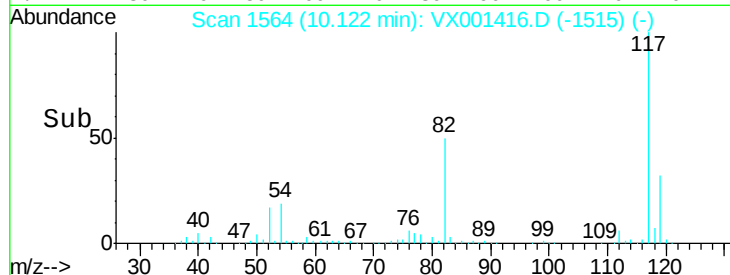
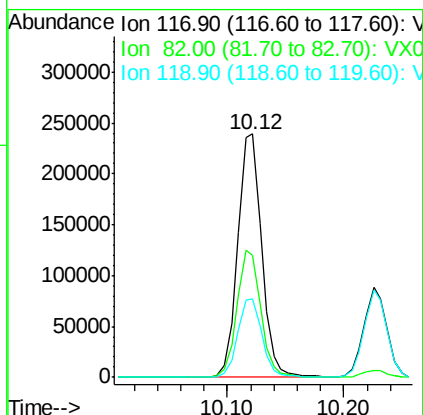
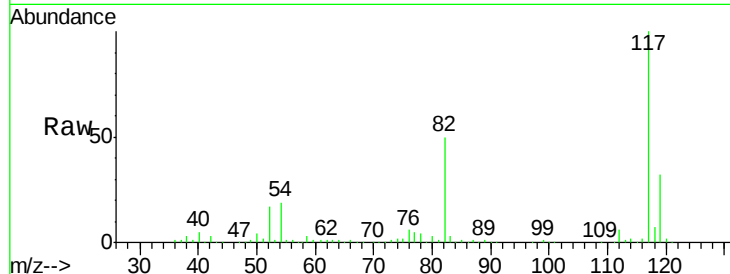
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1564  
Delta R.T. 0.00 min  
Lab File: VX001416.D  
Acq: 05 May 2018 13:24

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 50.0  | 40.0  | 60.0  |
| 119     | 32.3  | 25.8  | 38.8  |

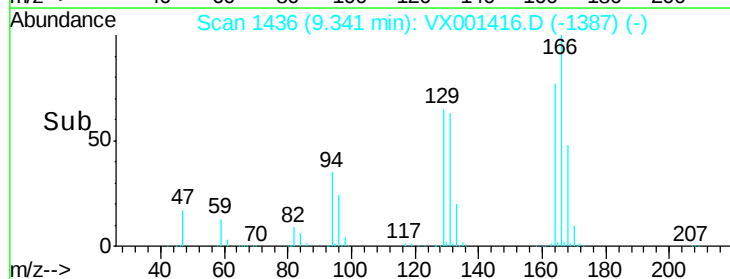
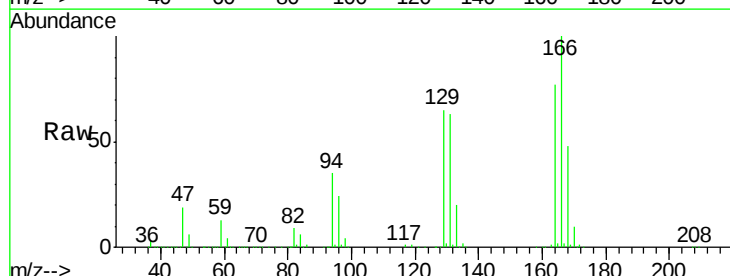
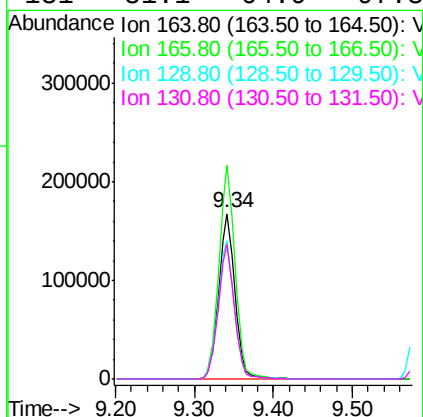
Manual Integrations  
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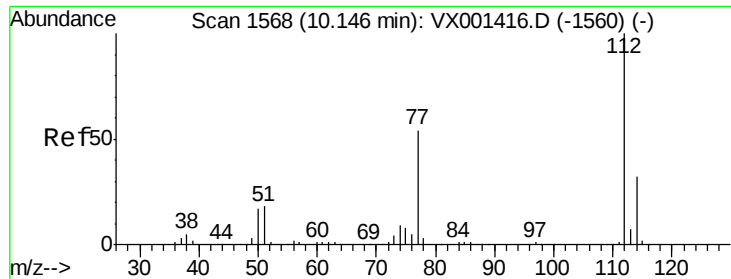
apatel  
5/8/2018 7:53:34 AM



#64  
Tetrachloroethene  
Concen: 56.781 ug/l  
RT: 9.34 min Scan# 1436  
Delta R.T. 0.00 min  
Lab File: VX001416.D  
Acq: 05 May 2018 13:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 129.4 | 103.5 | 155.3 |
| 129     | 83.4  | 66.7  | 100.1 |
| 131     | 81.1  | 64.9  | 97.3  |





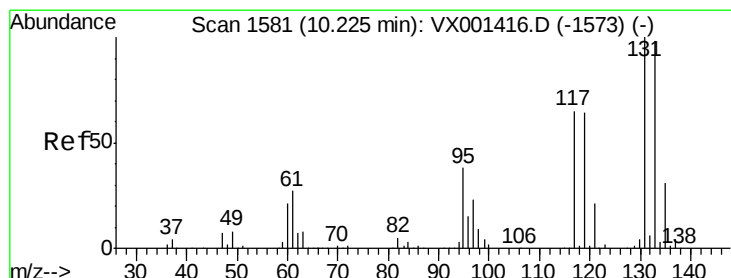
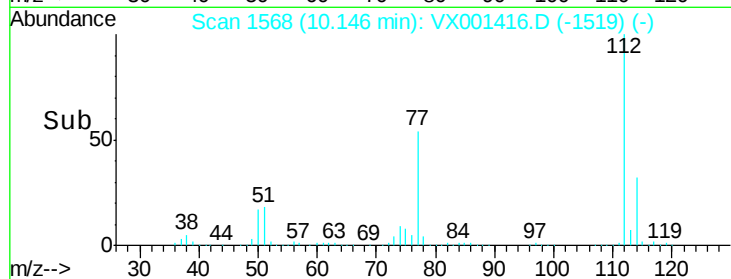
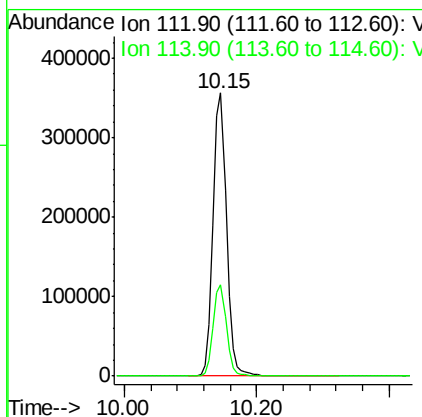
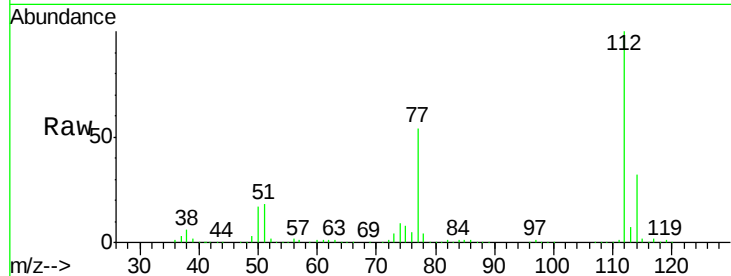
#65  
Chlorobenzene  
Concen: 52.039 ug/l  
RT: 10.15 min Scan# 1568  
Delta R.T. 0.00 min  
Lab File: VX001416.D  
Acq: 05 May 2018 13:24

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Tot Ion:112 Resp: 497729  
Ion Ratio Lower Upper  
112 100  
114 32.5 26.0 39.0

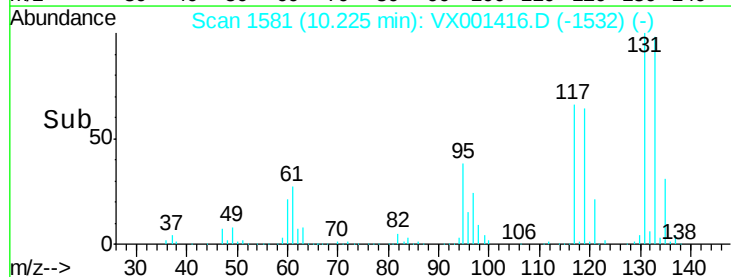
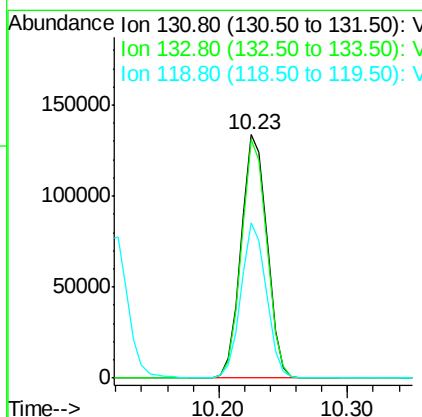
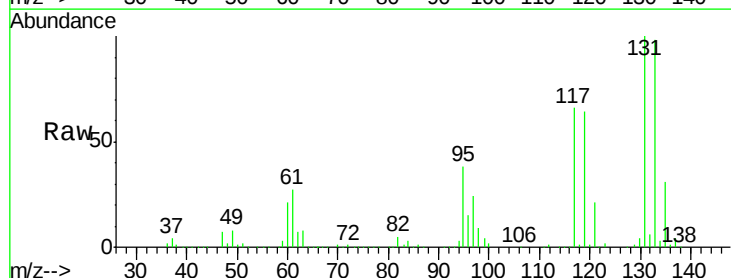
Manual Integrations  
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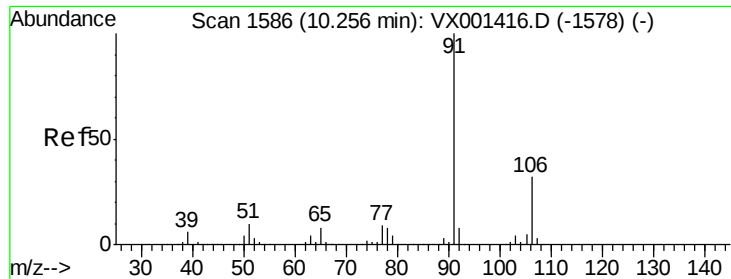
apatel  
5/8/2018 7:53:34 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 55.725 ug/l  
RT: 10.23 min Scan# 1581  
Delta R.T. 0.00 min  
Lab File: VX001416.D  
Acq: 05 May 2018 13:24

Tgt Ion:131 Resp: 185576  
Ion Ratio Lower Upper  
131 100  
133 95.9 47.9 143.8  
119 62.2 31.1 93.3





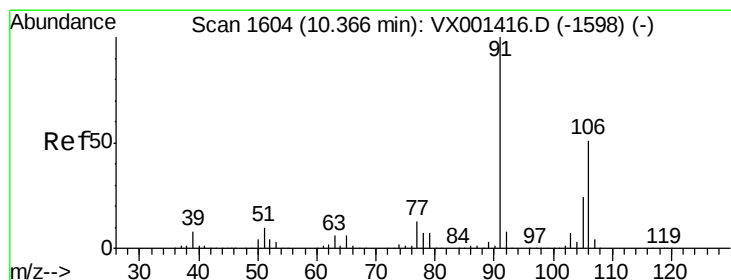
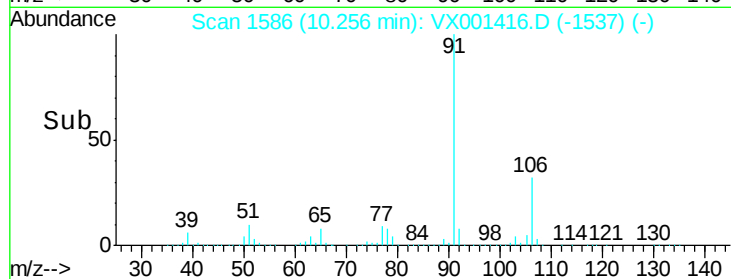
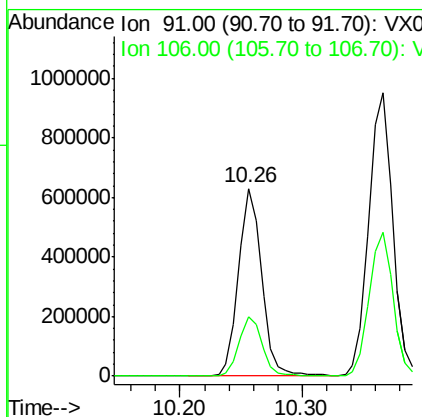
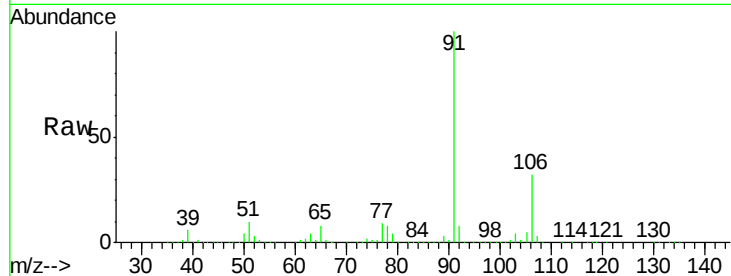
#67  
Ethyl Benzene  
Concen: 52.712 ug/l  
RT: 10.26 min Scan# 1586  
Delta R.T. 0.00 min  
Lab File: VX001416.D  
Acq: 05 May 2018 13:24

Instrument :  
MSVOA\_X  
ClientSampled :  
VSTDICCC050

Tot Ion: 91 Resp: 829337  
Ion Ratio Lower Upper  
91 100  
106 31.9 25.5 38.3

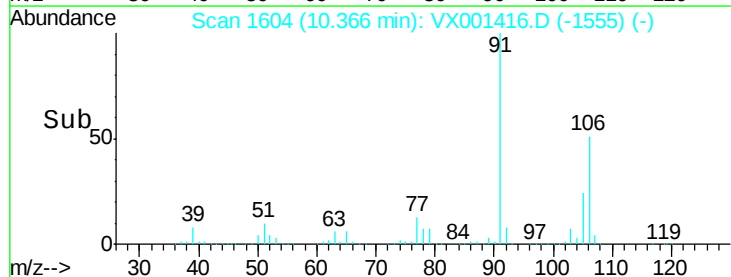
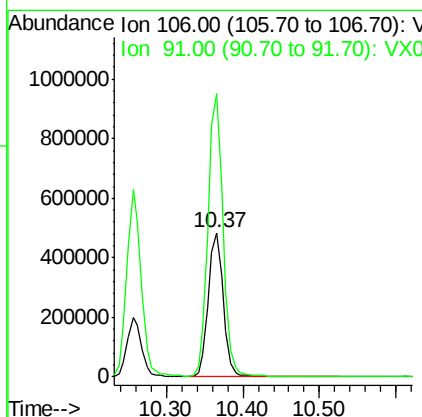
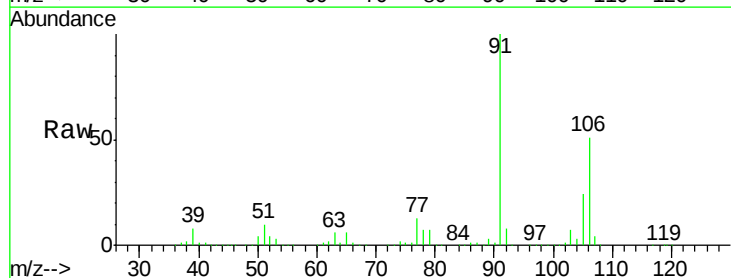
Manual Integrations  
APPROVED

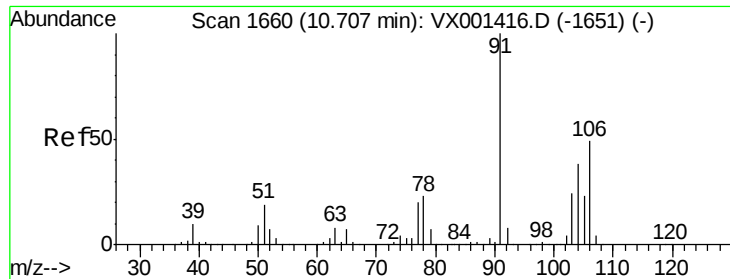
apatel  
5/8/2018 7:53:34 AM



#68  
m/p-Xylenes  
Concen: 107.427 ug/l  
RT: 10.37 min Scan# 1604  
Delta R.T. 0.00 min  
Lab File: VX001416.D  
Acq: 05 May 2018 13:24

Tgt Ion: 106 Resp: 666327  
Ion Ratio Lower Upper  
106 100  
91 196.9 157.5 236.3





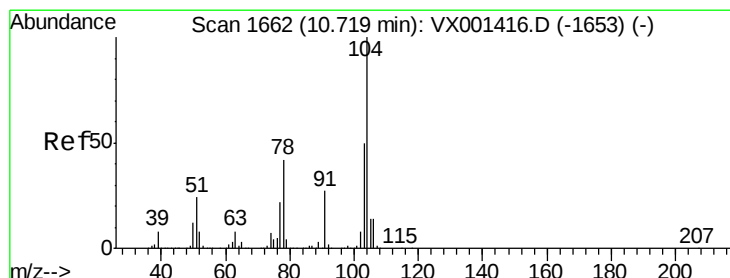
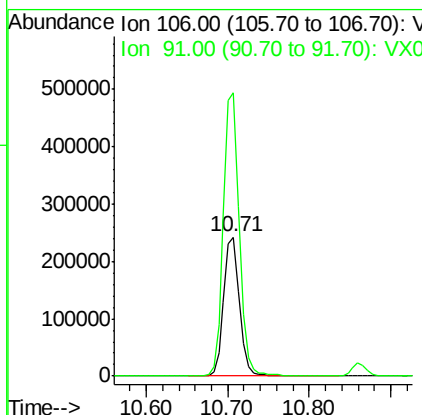
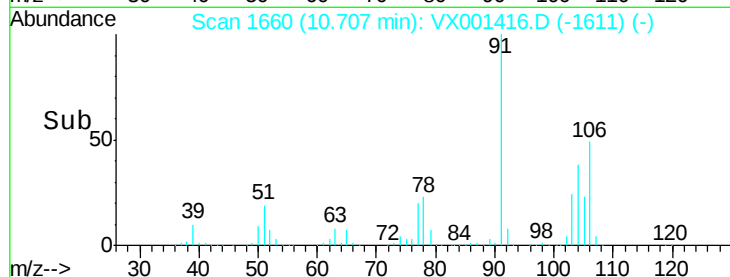
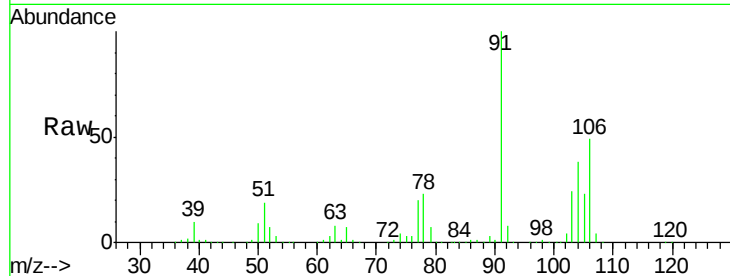
#69  
o-Xylene  
Concen: 53.919 ug/l  
RT: 10.71 min Scan# 1660  
Delta R.T. 0.00 min  
Lab File: VX001416.D  
Acq: 05 May 2018 13:24

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 206.1 | 103.1 | 309.1 |

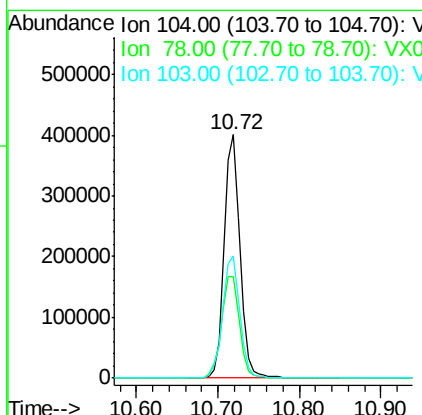
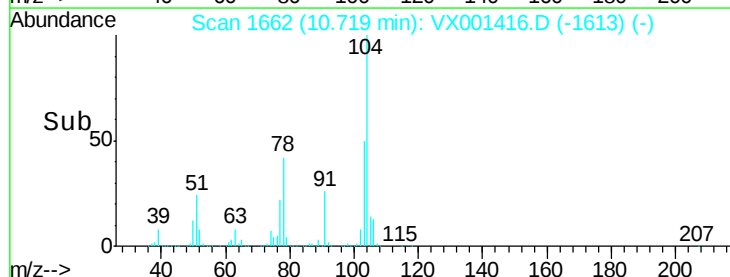
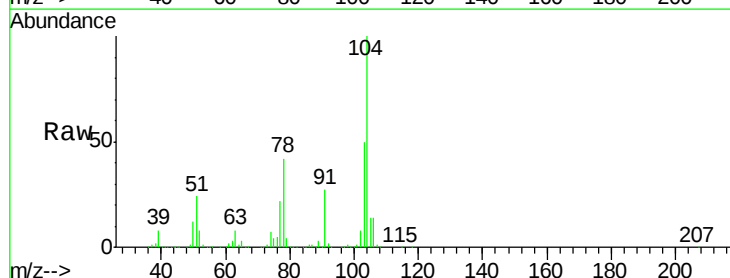
Manual Integrations  
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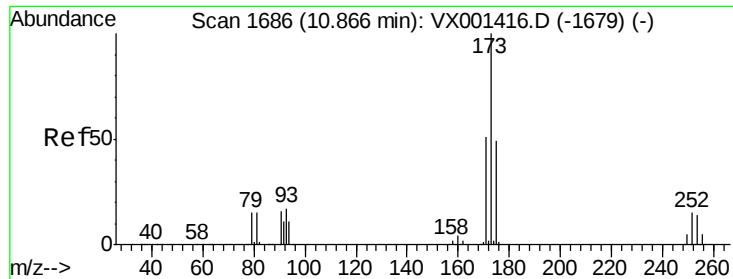
apatel  
5/8/2018 7:53:34 AM



#70  
Styrene  
Concen: 54.390 ug/l  
RT: 10.72 min Scan# 1662  
Delta R.T. 0.00 min  
Lab File: VX001416.D  
Acq: 05 May 2018 13:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 48.3  | 38.6  | 58.0  |
| 103     | 55.0  | 44.0  | 66.0  |





#71

Bromoform

Concen: 56.609 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX001416.D

Acq: 05 May 2018 13:24

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 159146

Ion Ratio Lower Upper

173 100

175 49.0 24.5 73.5

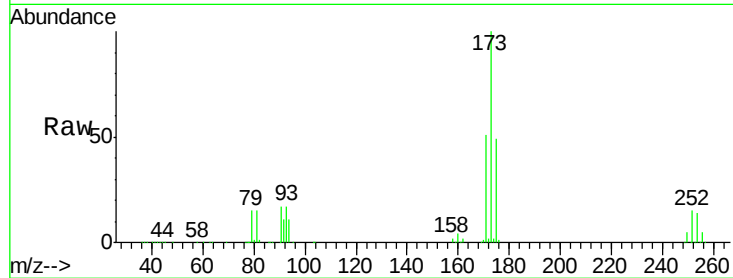
254 0.2 0.2 0.2

Manual Integrations

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apatel

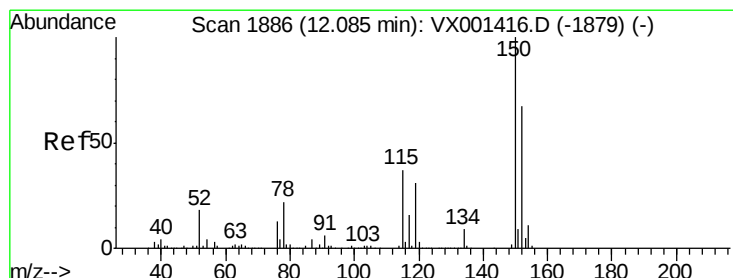
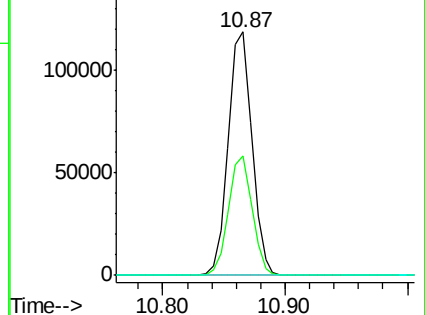
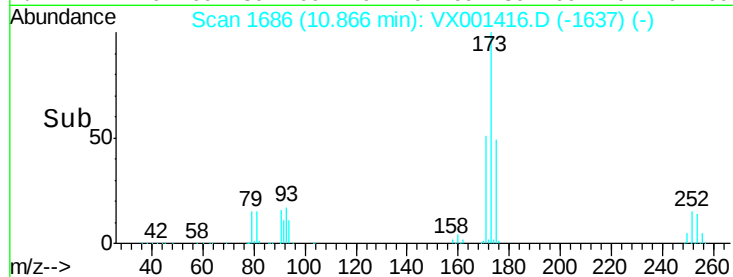
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001416.D

Acq: 05 May 2018 13:24

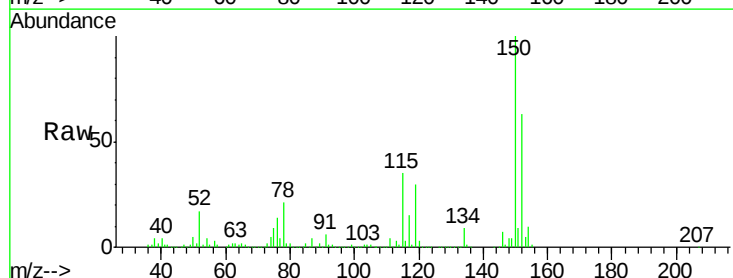
Tgt Ion:152 Resp: 254200

Ion Ratio Lower Upper

152 100

115 75.4 37.7 113.1

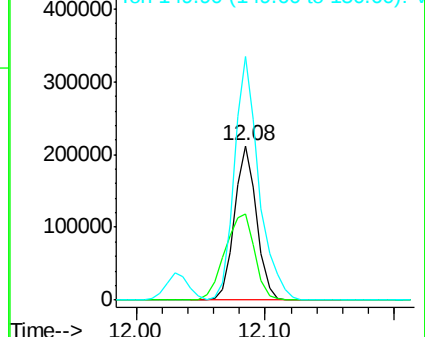
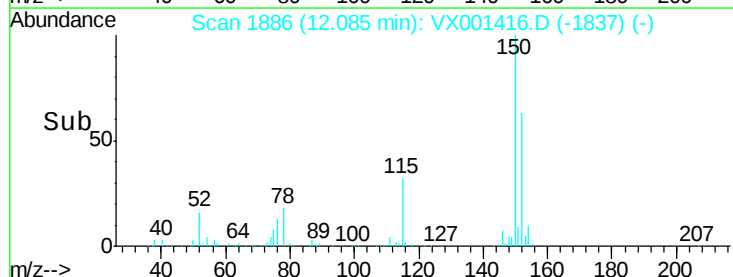
150 174.7 0.0 349.4

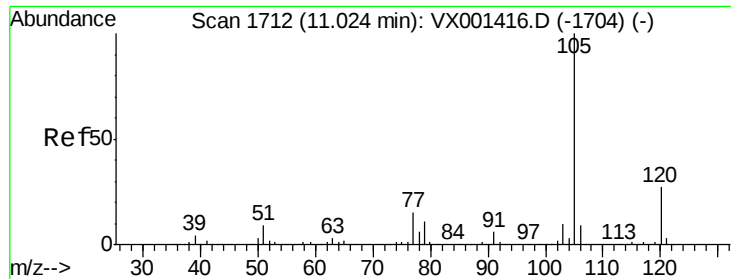


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.685 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001416.D

Acq: 05 May 2018 13:24

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion: 105 Resp: 870903

Ion Ratio Lower Upper

105 100

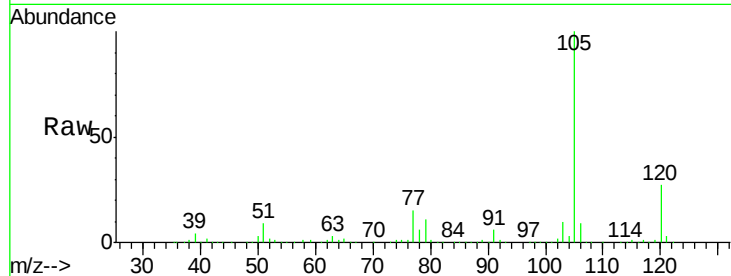
120 27.2 13.6 40.8

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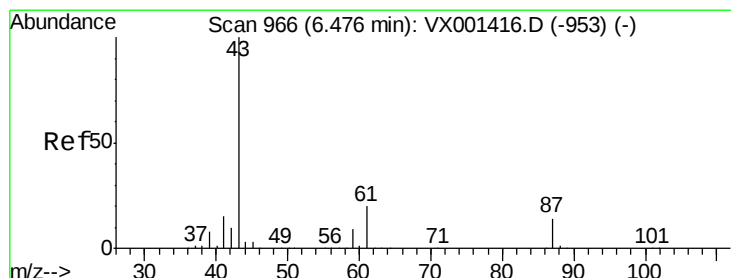
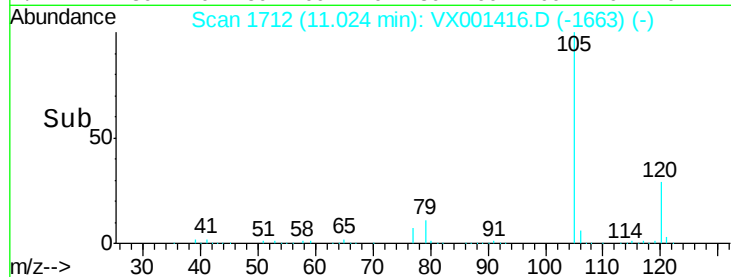
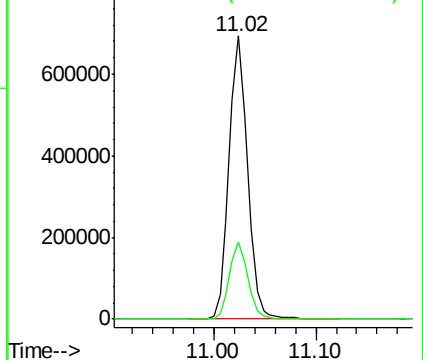
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.225 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX001416.D

Acq: 05 May 2018 13:24

Tgt Ion: 43 Resp: 386376

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1#

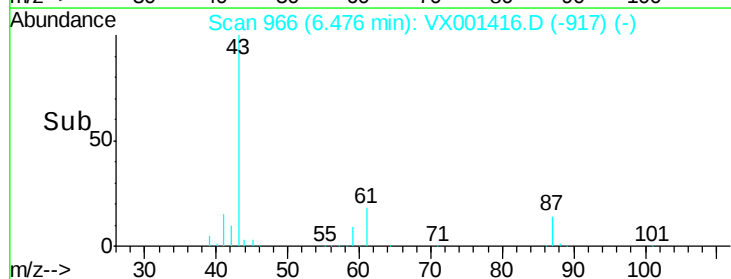
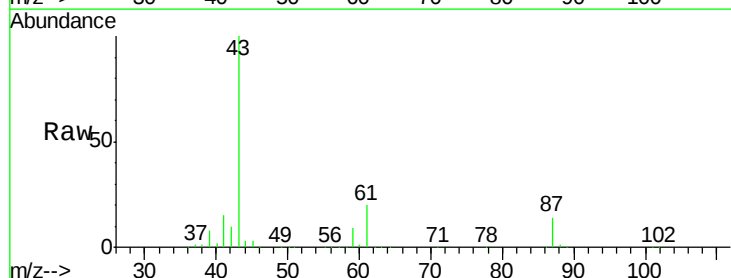
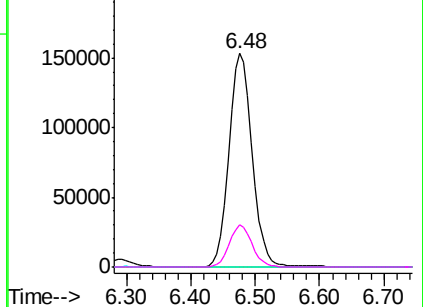
61 19.2 15.4 23.0

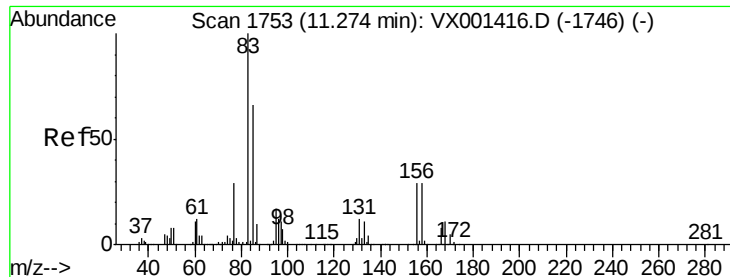
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.735 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001416.D

Acq: 05 May 2018 13:24

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 248842

Ion Ratio Lower Upper

83 100

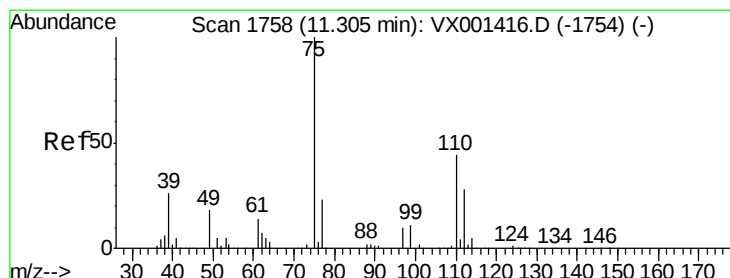
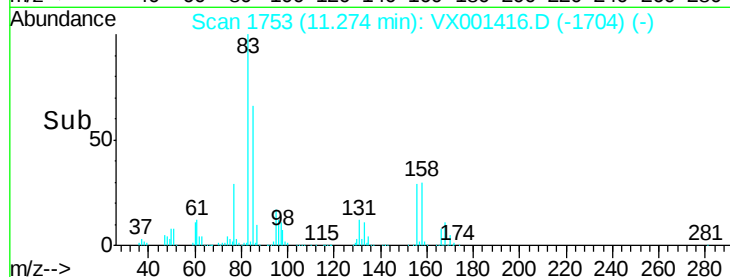
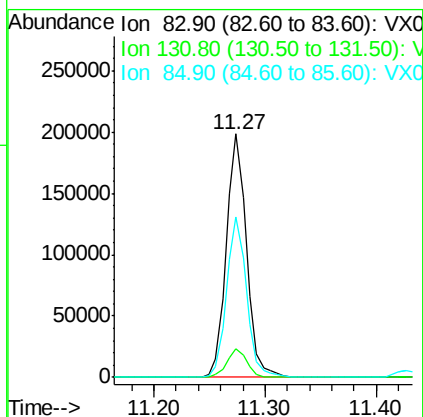
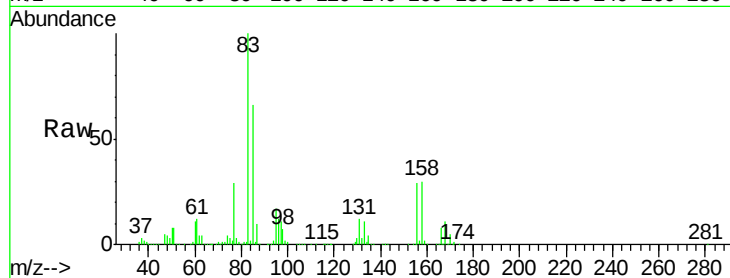
131 11.6 5.8 17.4

85 65.4 32.7 98.1

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#76

1,2,3-Trichloropropane

Concen: 52.250 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VX001416.D

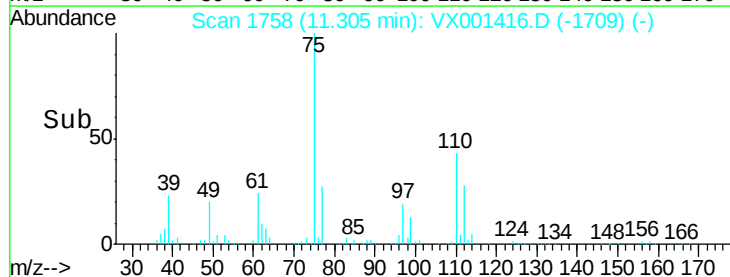
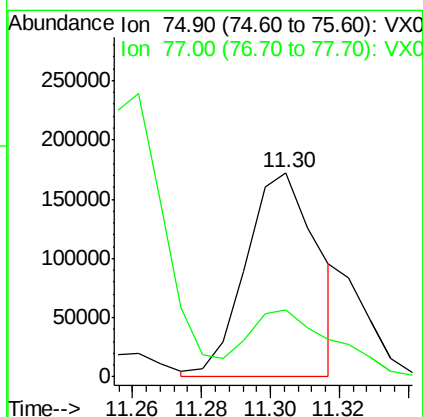
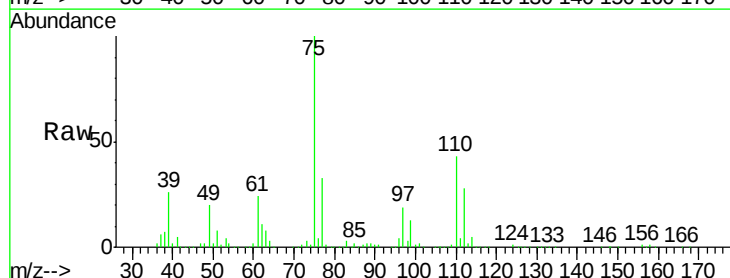
Acq: 05 May 2018 13:24

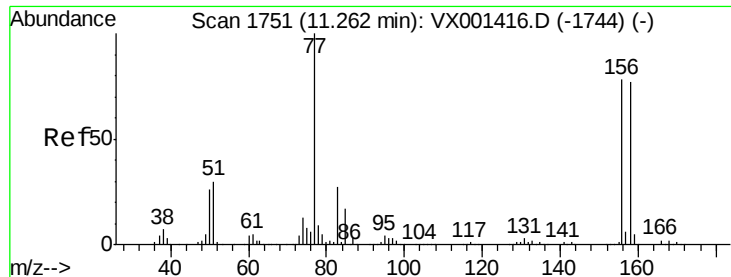
Tgt Ion: 75 Resp: 248181

Ion Ratio Lower Upper

75 100

77 38.7 19.6 58.7





#77

Bromobenzene

Concen: 49.561 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001416.D

Acq: 05 May 2018 13:24

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion:156 Resp: 244473

Ion Ratio Lower Upper

156 100

77 132.1 66.0 198.2

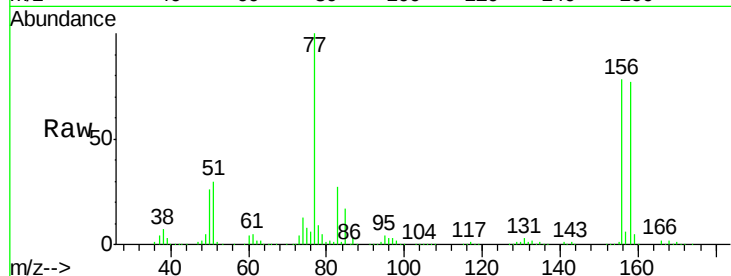
158 98.8 49.4 148.2

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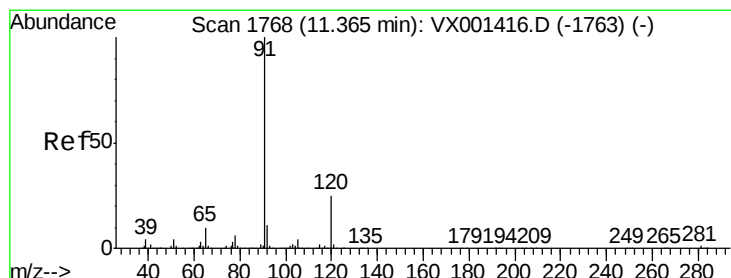
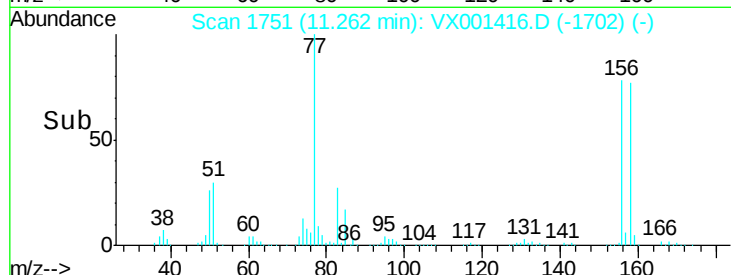
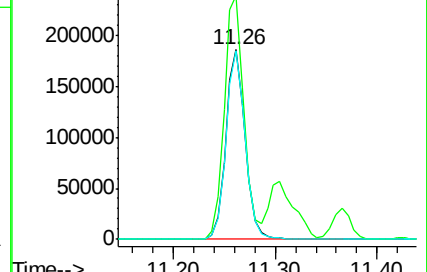
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.611 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX001416.D

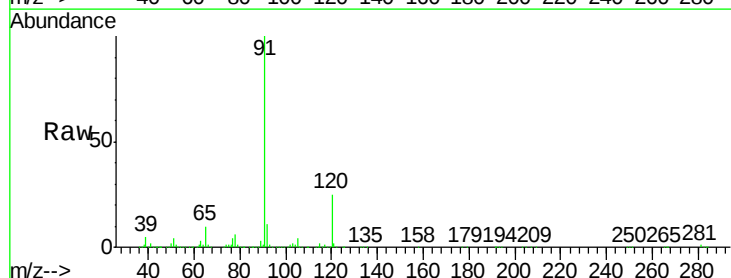
Acq: 05 May 2018 13:24

Tgt Ion: 91 Resp: 962932

Ion Ratio Lower Upper

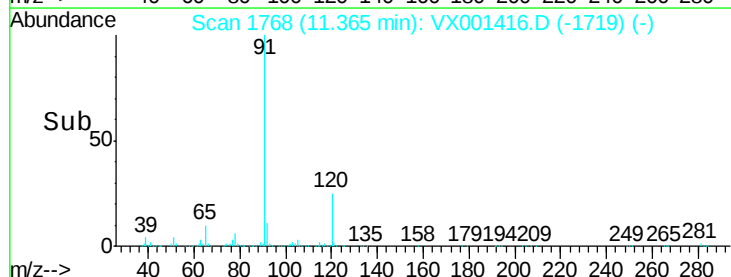
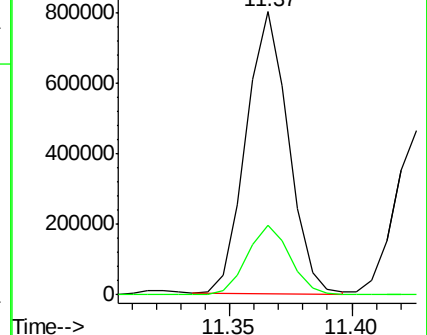
91 100

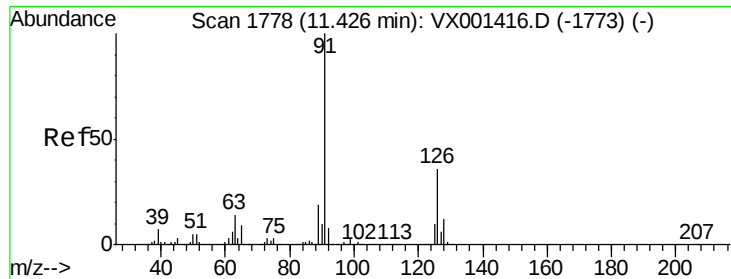
120 25.0 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.408 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001416.D

Acq: 05 May 2018 13:24

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 579632

Ion Ratio Lower Upper

91 100

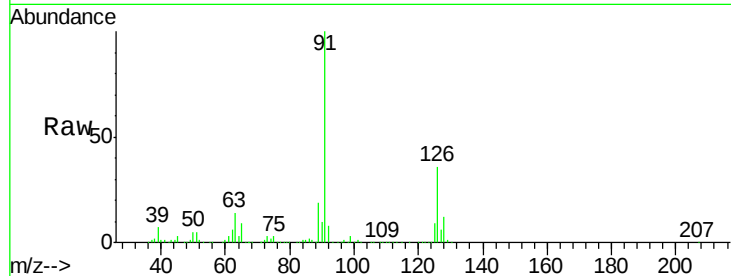
126 36.3 18.1 54.4

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Abundance Ion 91.00 (90.70 to 91.70): VX001416.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX001416.D (-1773) (-)

800000

600000

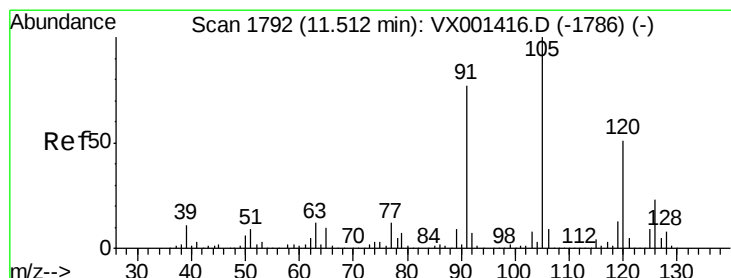
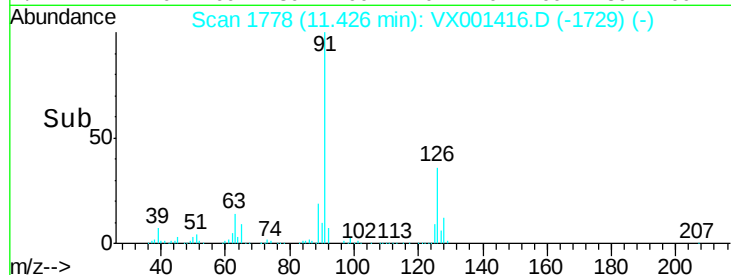
400000

200000

0

11.40 11.45 11.50

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.045 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001416.D

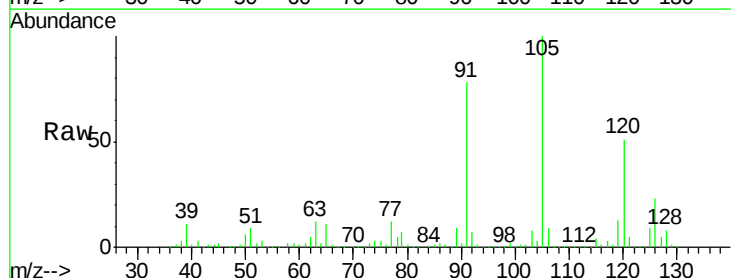
Acq: 05 May 2018 13:24

Tgt Ion: 105 Resp: 732639

Ion Ratio Lower Upper

105 100

120 51.4 25.7 77.1



Abundance Ion 105.00 (104.70 to 105.70): VX001416.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX001416.D (-1786) (-)

600000

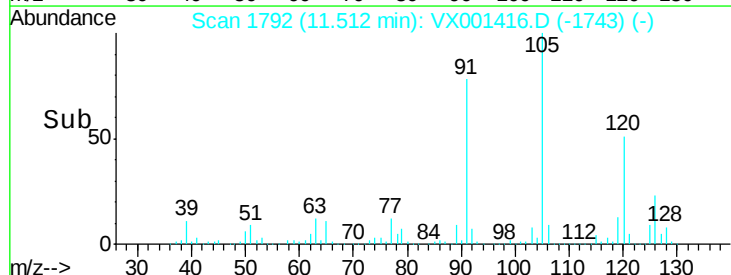
400000

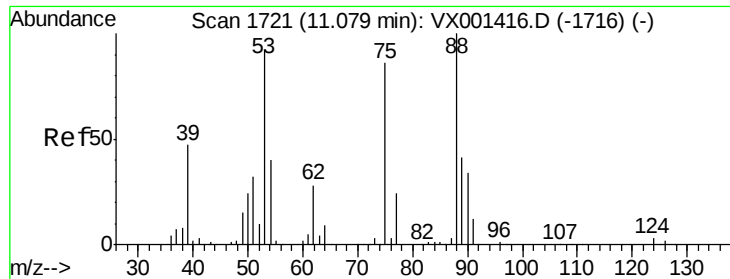
200000

0

11.50 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 58.158 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001416.D

Acq: 05 May 2018 13:24

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 72315

Ion Ratio Lower Upper

75 100

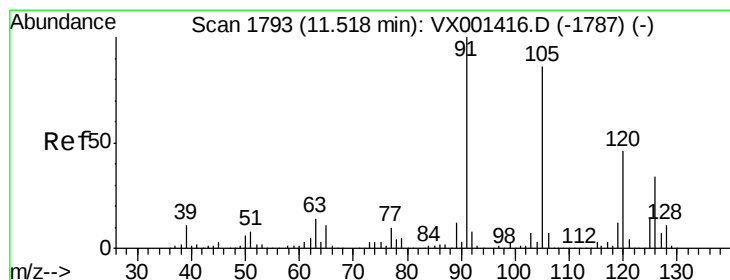
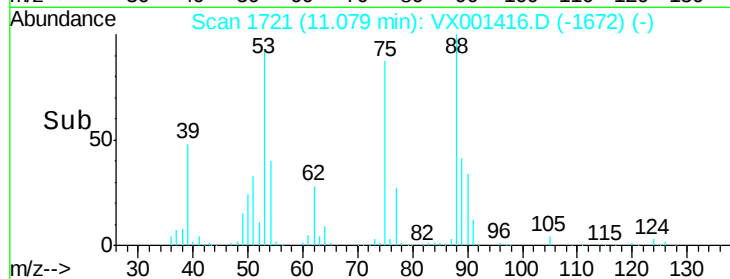
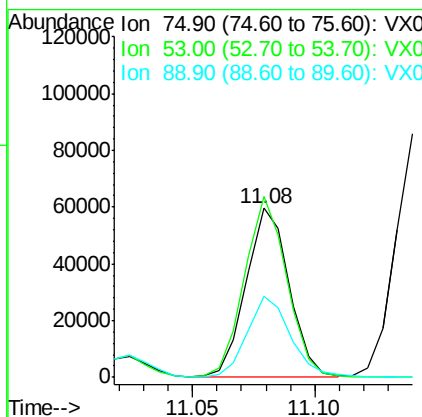
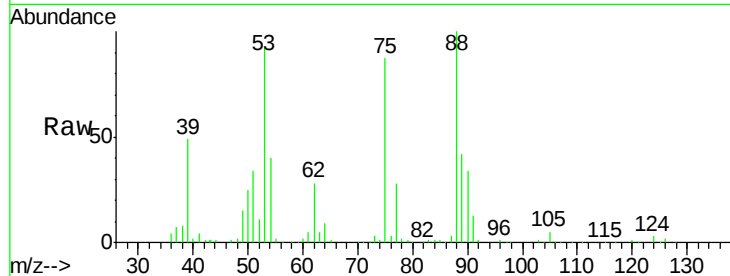
53 105.6 84.5 126.7

89 49.4 39.5 59.3

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#82

4-Chlorotoluene

Concen: 49.283 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VX001416.D

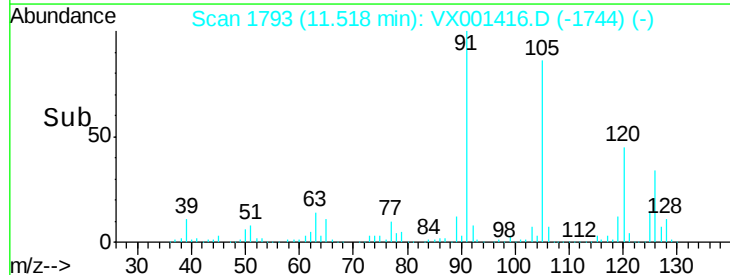
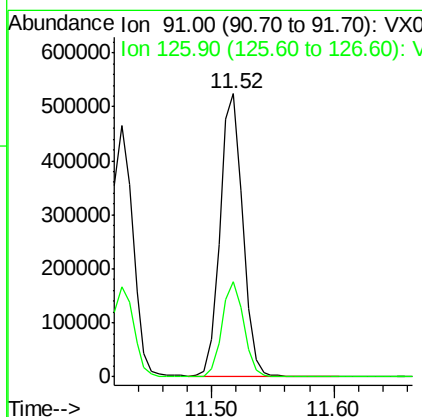
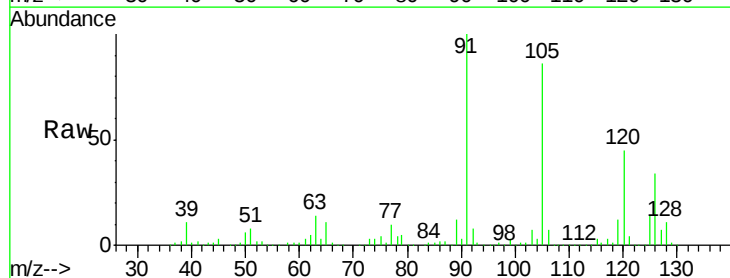
Acq: 05 May 2018 13:24

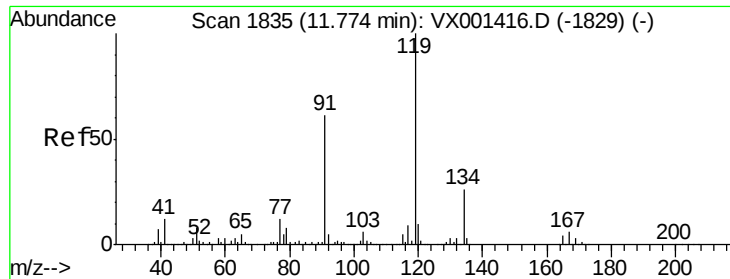
Tgt Ion: 91 Resp: 677841

Ion Ratio Lower Upper

91 100

126 32.3 16.2 48.5





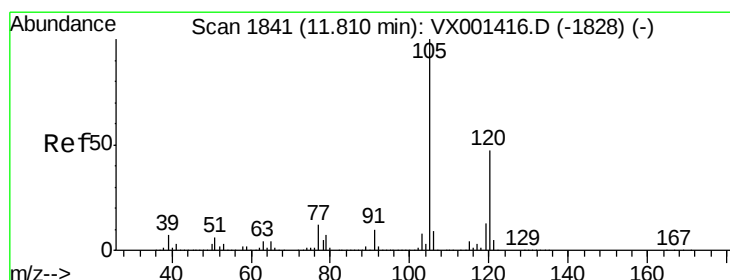
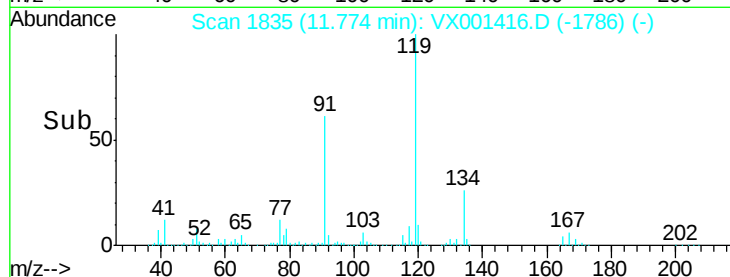
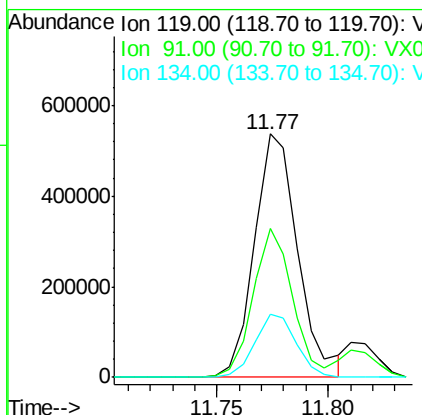
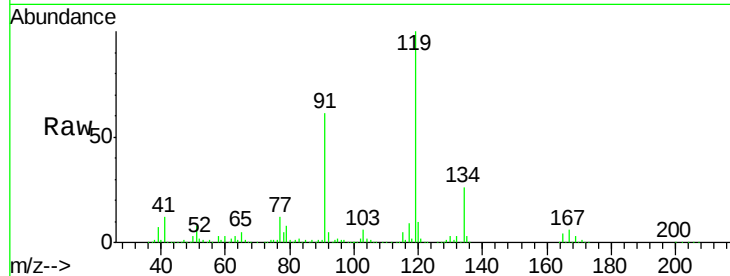
#83  
tert-Butylbenzene  
Concen: 51.060 ug/l  
RT: 11.77 min Scan# 1835  
Delta R.T. 0.00 min  
Lab File: VX001416.D  
Acq: 05 May 2018 13:24

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 55.5  | 27.8  | 83.3  |
| 134     | 24.7  | 12.4  | 37.0  |

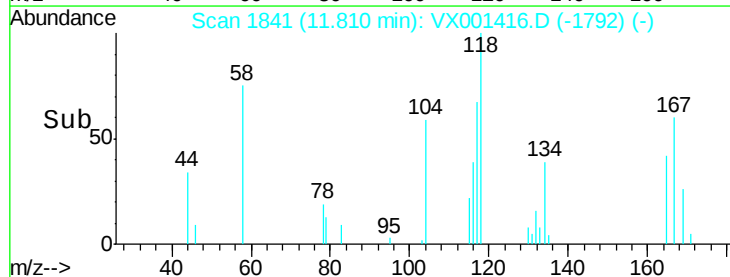
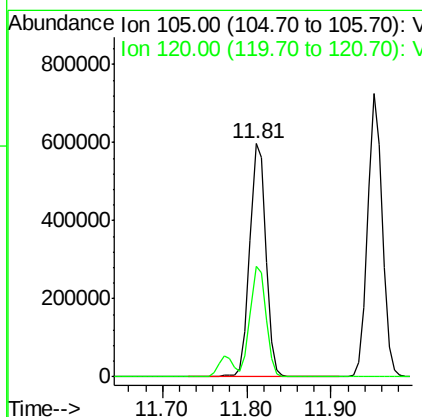
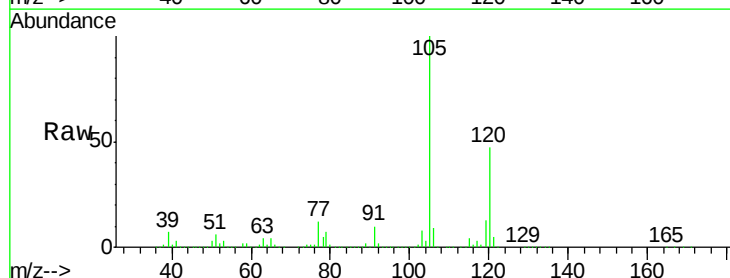
Manual Integrations  
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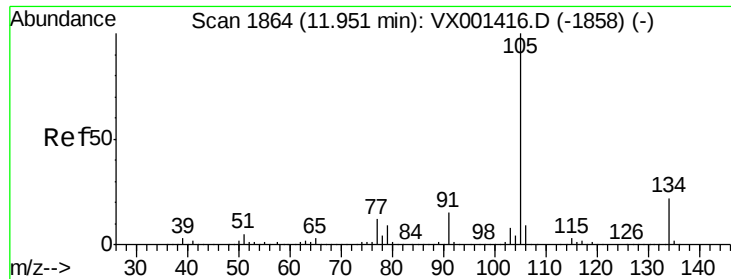
apatel  
5/8/2018 7:53:34 AM



#84  
1,2,4-Trimethylbenzene  
Concen: 51.425 ug/l  
RT: 11.81 min Scan# 1841  
Delta R.T. 0.00 min  
Lab File: VX001416.D  
Acq: 05 May 2018 13:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 46.8  | 23.4  | 70.2  |





#85

sec-Butylbenzene

Concen: 51.485 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001416.D

Acq: 05 May 2018 13:24

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 883304

Ion Ratio Lower Upper

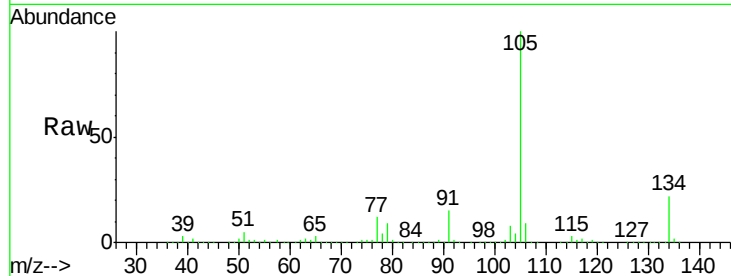
105 100

134 21.9 10.9 32.9

Manual Integrations  
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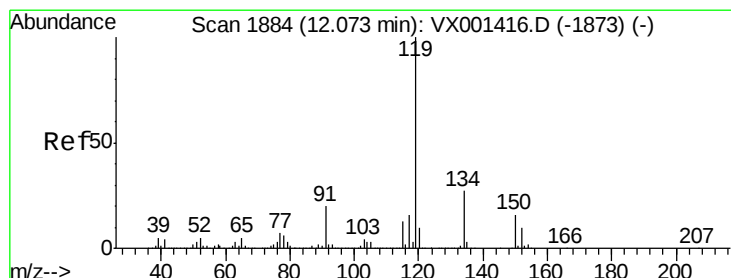
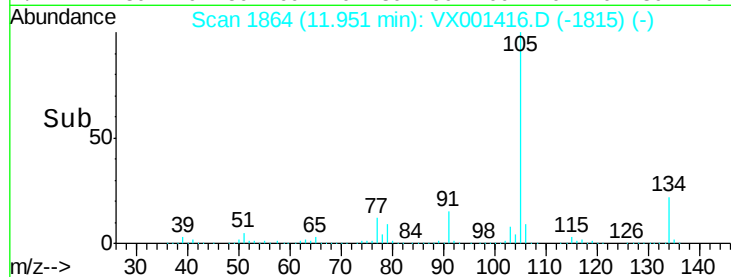
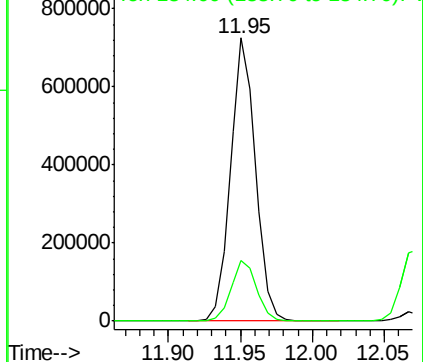
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.171 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VX001416.D

Acq: 05 May 2018 13:24

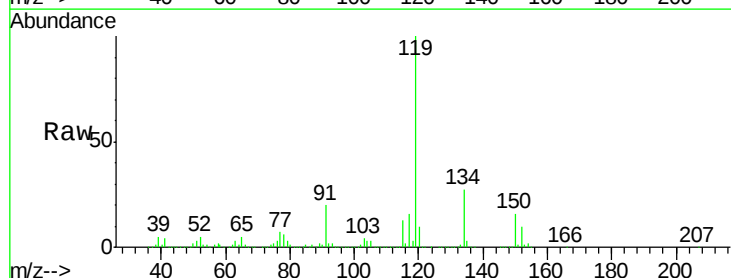
Tgt Ion:119 Resp: 822415

Ion Ratio Lower Upper

119 100

134 27.2 13.6 40.8

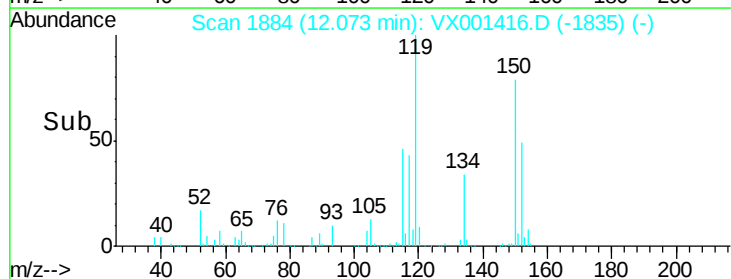
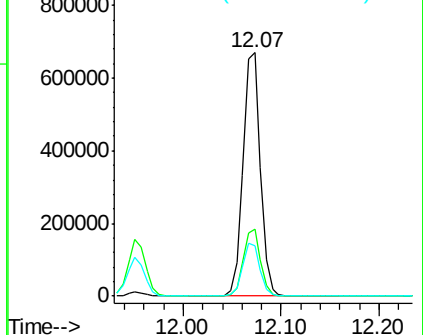
91 21.5 10.8 32.3

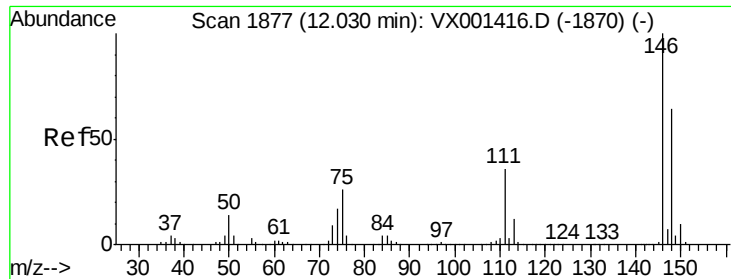


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





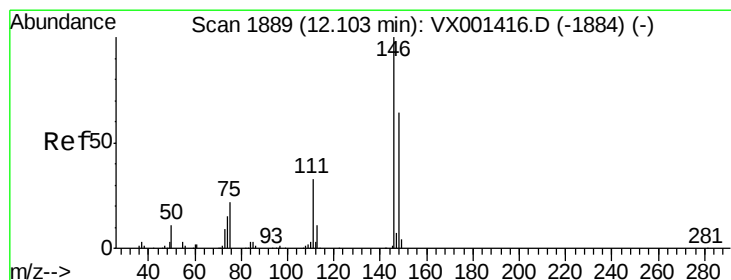
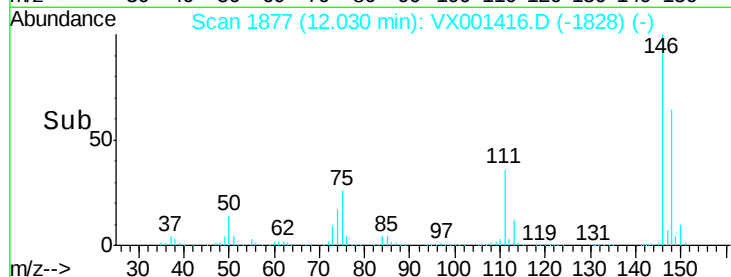
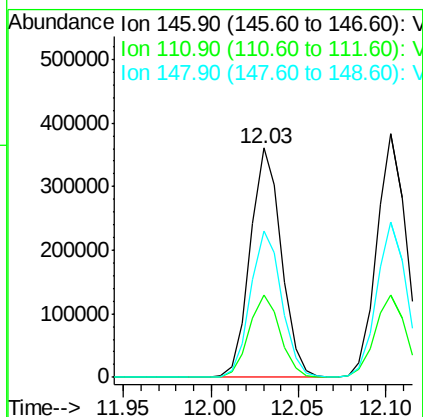
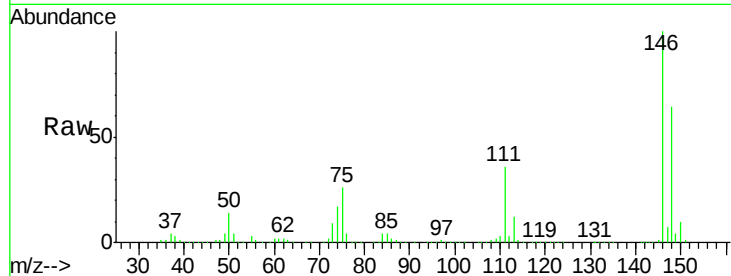
#87  
 1,3-Dichlorobenzene  
 Concen: 48.348 ug/l  
 RT: 12.03 min Scan# 1877  
 Delta R.T. 0.00 min  
 Lab File: VX001416.D  
 Acq: 05 May 2018 13:24

Instrument :  
 MSVOA\_X  
 ClientSampled :  
 VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.1  | 18.1  | 54.1  |
| 148     | 64.3  | 32.1  | 96.5  |

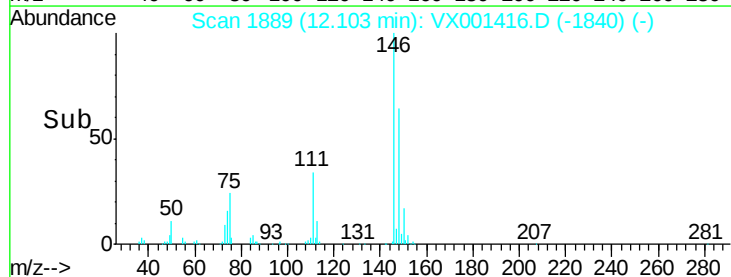
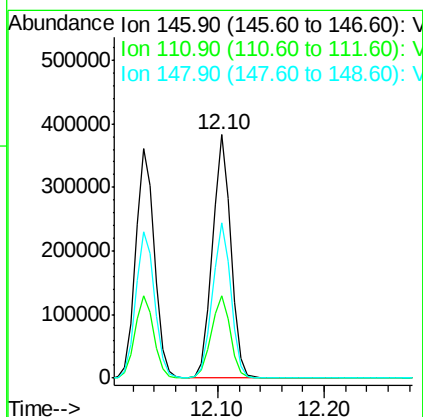
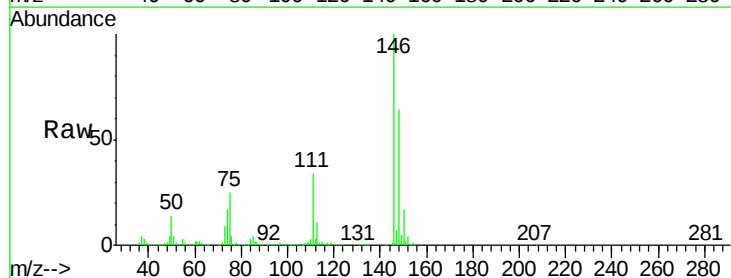
Manual Integrations  
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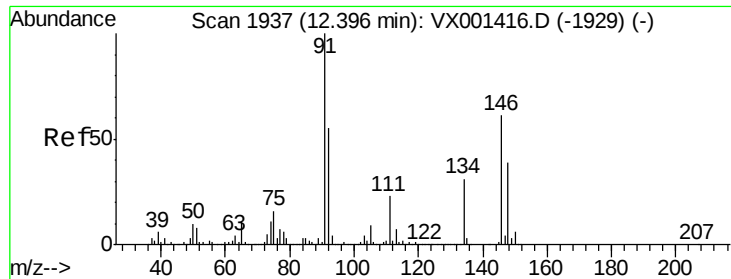
apatel  
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#88  
 1,4-Dichlorobenzene  
 Concen: 47.557 ug/l  
 RT: 12.10 min Scan# 1889  
 Delta R.T. 0.00 min  
 Lab File: VX001416.D  
 Acq: 05 May 2018 13:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 34.9  | 17.4  | 52.3  |
| 148     | 64.4  | 32.2  | 96.6  |





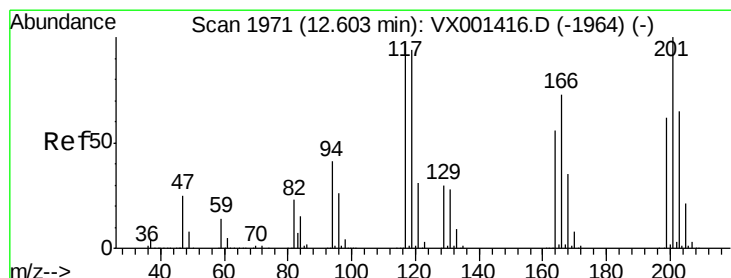
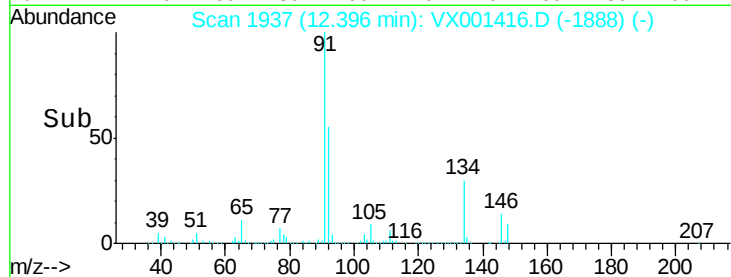
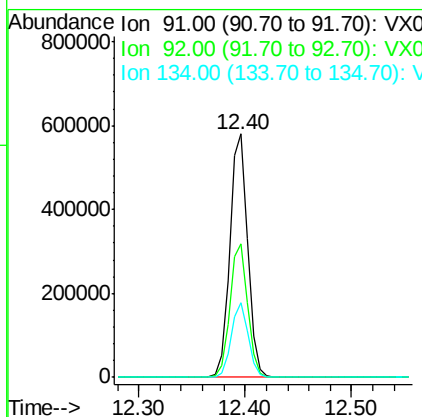
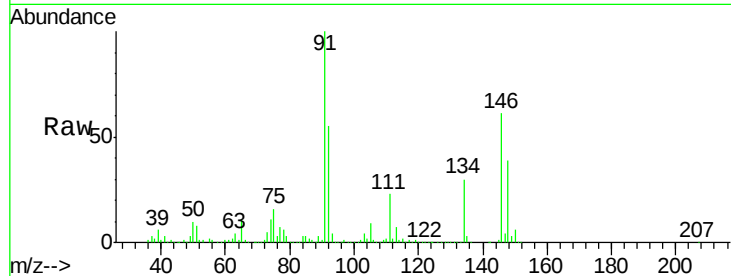
#89  
n-Butylbenzene  
Concen: 49.792 ug/l  
RT: 12.40 min Scan# 1937  
Delta R.T. 0.00 min  
Lab File: VX001416.D  
Acq: 05 May 2018 13:24

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 91      | 100   |      |       |       |
| 92      | 54.3  | 27.2 | 81.5  |       |
| 134     | 29.3  | 14.6 | 44.0  |       |

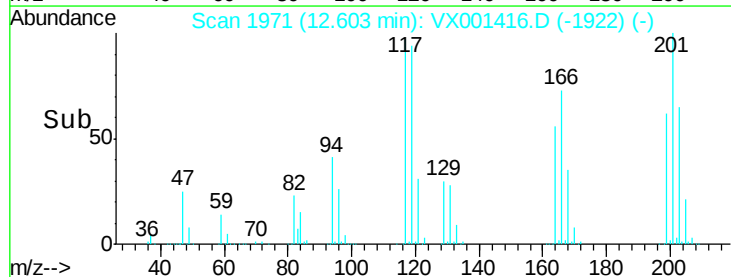
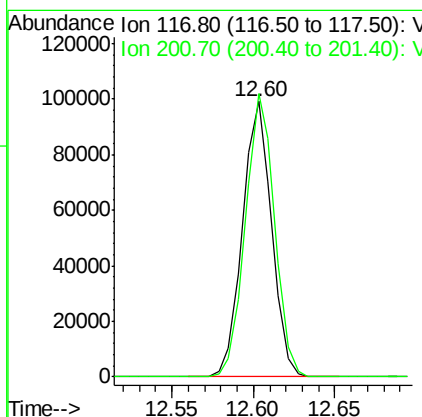
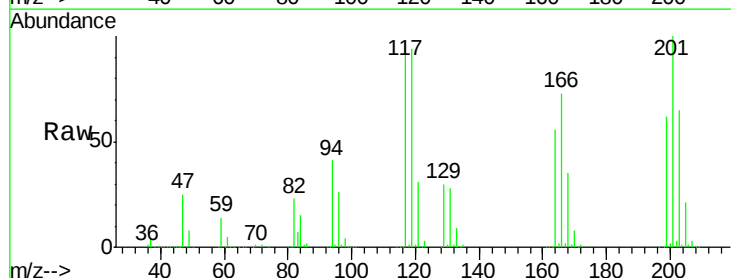
Manual Integrations  
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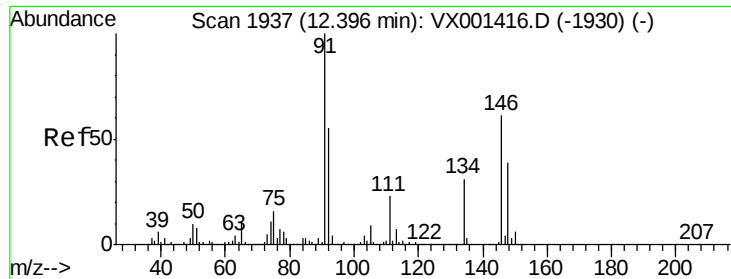
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#90  
Hexachloroethane  
Concen: 53.975 ug/l  
RT: 12.60 min Scan# 1971  
Delta R.T. 0.00 min  
Lab File: VX001416.D  
Acq: 05 May 2018 13:24

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 201     | 103.0 | 51.5 | 154.5 |       |





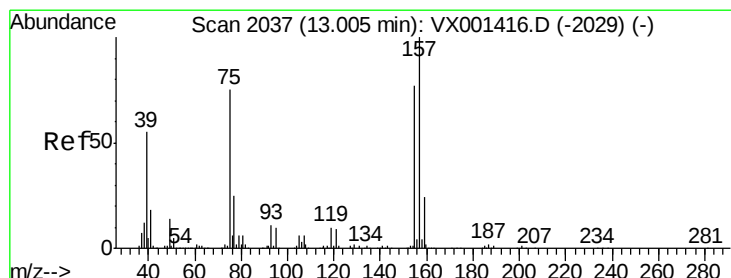
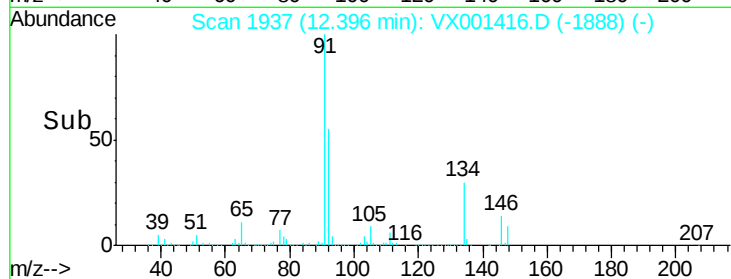
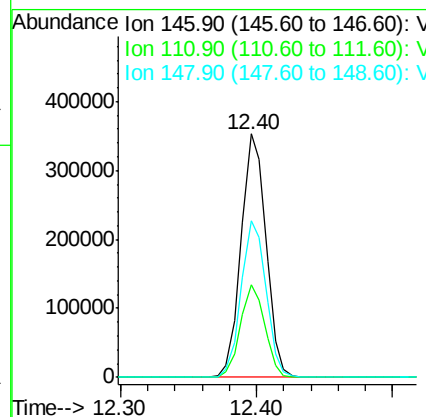
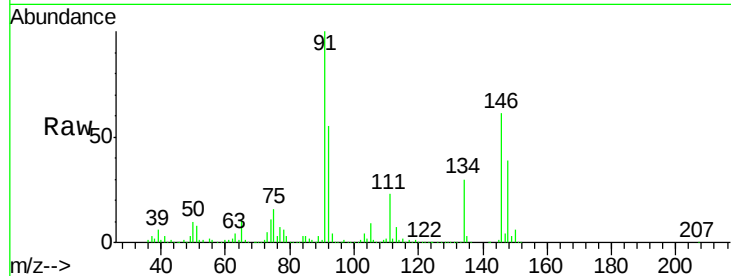
#91  
 1,2-Dichlorobenzene  
 Concen: 49.145 ug/l  
 RT: 12.40 min Scan# 1937  
 Delta R.T. 0.00 min  
 Lab File: VX001416.D  
 Acq: 05 May 2018 13:24

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 450897 |       |       |
| 111     | 37.2  | 18.6   | 55.8  |       |
| 148     | 64.3  | 32.1   | 96.5  |       |

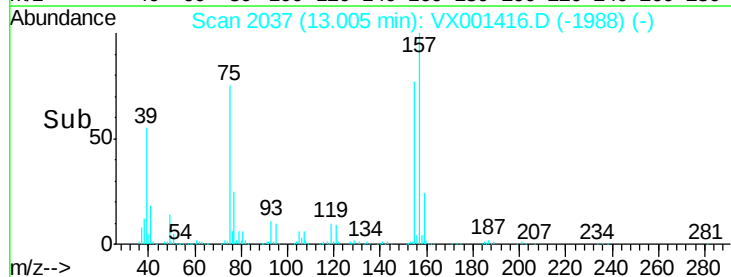
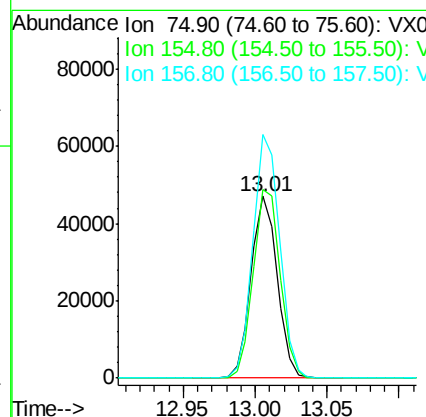
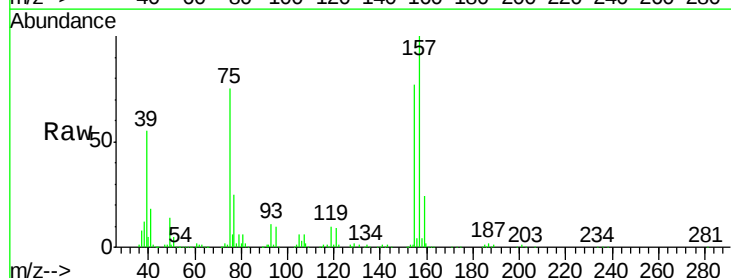
Manual Integrations  
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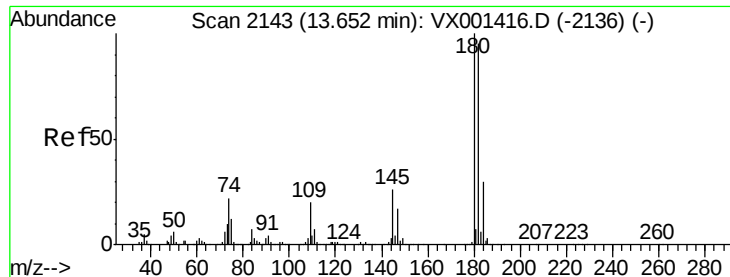
apatel  
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 56.432 ug/l  
 RT: 13.01 min Scan# 2037  
 Delta R.T. 0.00 min  
 Lab File: VX001416.D  
 Acq: 05 May 2018 13:24

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 58919 |       |       |
| 155     | 106.8 | 53.4  | 160.2 |       |
| 157     | 136.5 | 68.3  | 204.8 |       |





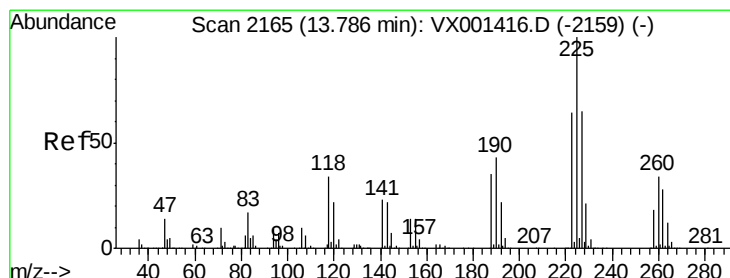
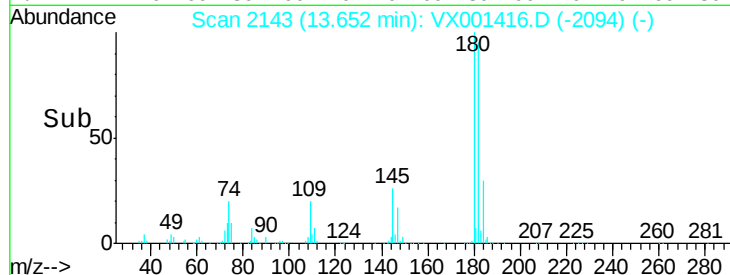
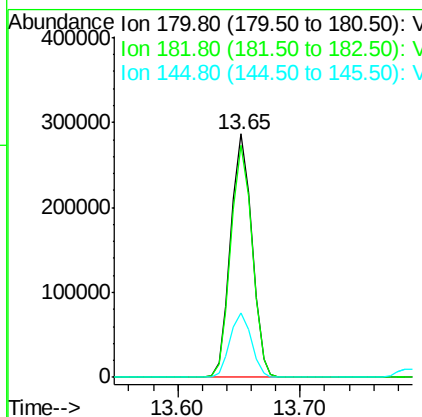
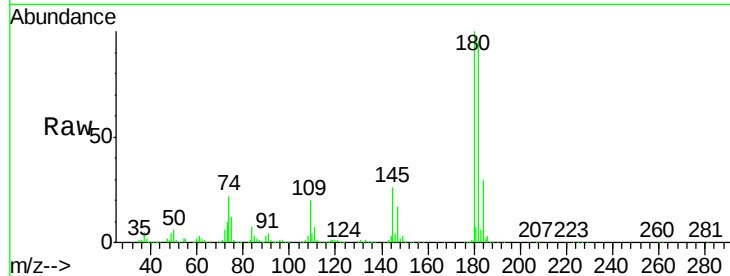
#93  
 1,2,4-Trichlorobenzene  
 Concen: 46.708 ug/l  
 RT: 13.65 min Scan# 2143  
 Delta R.T. 0.00 min  
 Lab File: VX001416.D  
 Acq: 05 May 2018 13:24

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 180   | Resp: | 342640 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.6  | 47.8  | 143.4  |
| 145       | 26.6  | 13.3  | 39.9   |

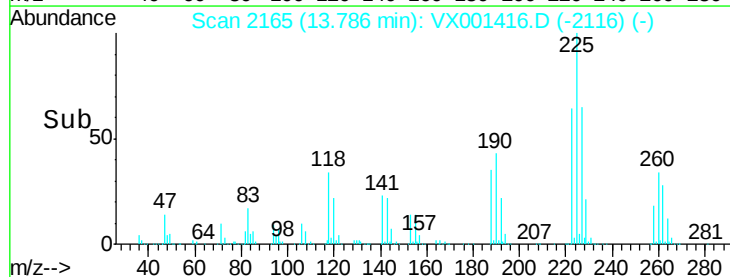
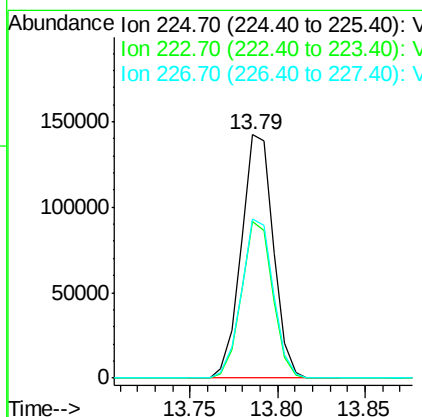
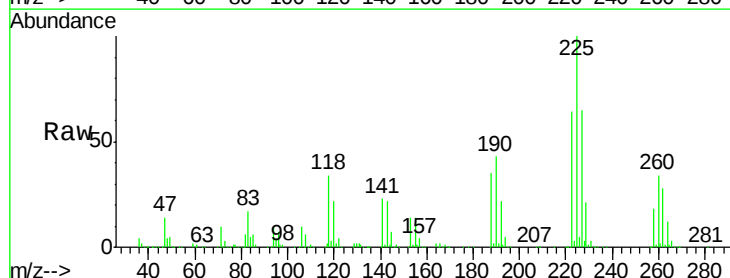
Manual Integrations  
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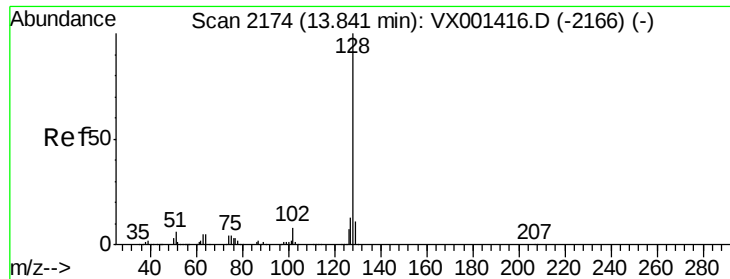
apatel  
 5/8/2018 7:53:34 AM



#94  
 Hexachlorobutadiene  
 Concen: 47.043 ug/l  
 RT: 13.79 min Scan# 2165  
 Delta R.T. 0.00 min  
 Lab File: VX001416.D  
 Acq: 05 May 2018 13:24

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 225   | Resp: | 181116 |
| Ion Ratio | Lower | Upper |        |
| 225       | 100   |       |        |
| 223       | 62.6  | 31.3  | 93.9   |
| 227       | 64.8  | 32.4  | 97.2   |





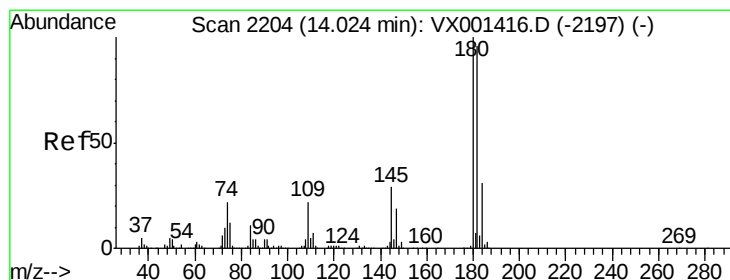
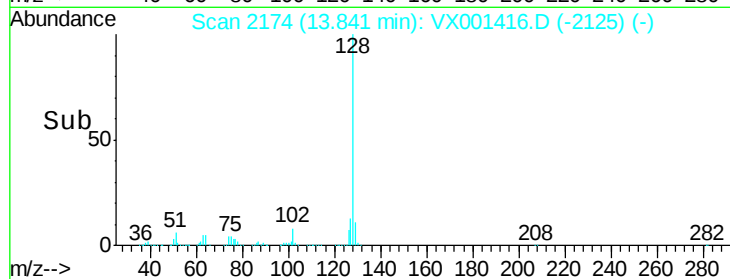
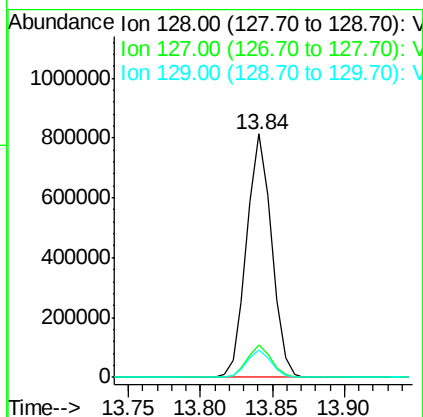
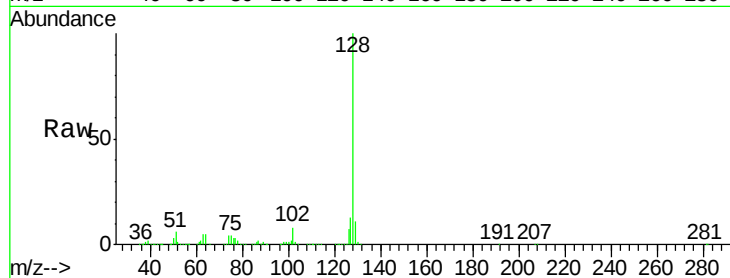
#95  
Naphthalene  
Concen: 51.892 ug/l  
RT: 13.84 min Scan# 2174  
Delta R.T. 0.00 min  
Lab File: VX001416.D  
Acq: 05 May 2018 13:24

Instrument :  
MSVOA\_X  
ClientSampled :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.0  | 10.4  | 15.6  |
| 129     | 10.9  | 8.7   | 13.1  |

Manual Integrations  
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#96  
1,2,3-Trichlorobenzene  
Concen: 48.449 ug/l  
RT: 14.02 min Scan# 2204  
Delta R.T. 0.00 min  
Lab File: VX001416.D  
Acq: 05 May 2018 13:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.1  | 48.0  | 144.2 |
| 145     | 28.3  | 14.1  | 42.4  |

