

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061418\  
 Data File : VX002554.D  
 Acq On : 14 Jun 2018 16:19  
 Operator : JC/MD  
 Sample : J3404-06MSD  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS050MW513-180607MSD

Manual Integrations  
 APPROVED

MMDadoda  
 6/15/2018 1:11:52 PM

Quant Time: Jun 15 02:12:02 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X060418W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 05 03:22:35 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 241637   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 350412   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 334747   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 210880   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 6.07   | 65  | 157068   | 45.12 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 90.24% |      |
| 35) Dibromofluoromethane  | 5.51   | 113 | 125641   | 45.59 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 91.18% |      |
| 50) Toluene-d8            | 8.72   | 98  | 449958   | 42.60 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 85.20% |      |
| 62) 4-Bromofluorobenzene  | 11.14  | 95  | 178499   | 43.83 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 87.66% |      |

## Target Compounds

|                               |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 106782  | 42.510  | ug/l   | 98     |
| 3) Chloromethane              | 1.32 | 50  | 124587  | 42.878  | ug/l   | 100    |
| 4) Vinyl Chloride             | 1.40 | 62  | 147336  | 46.540  | ug/l   | 89     |
| 5) Bromomethane               | 1.64 | 94  | 78135   | 43.156  | ug/l   | 98     |
| 6) Chloroethane               | 1.71 | 64  | 97286   | 47.507  | ug/l   | 97     |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 241043  | 49.973  | ug/l   | 98     |
| 8) Diethyl Ether              | 2.19 | 74  | 92300   | 54.041  | ug/l   | 96     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.38 | 101 | 135918  | 52.217  | ug/l   | 100    |
| 10) Methyl Iodide             | 2.51 | 142 | 172984  | 47.248  | ug/l   | 98     |
| 11) Tert butyl alcohol        | 3.09 | 59  | 222757  | 320.100 | ug/l   | 98     |
| 12) 1,1-Dichloroethene        | 2.37 | 96  | 121730  | 47.322  | ug/l   | 97     |
| 13) Acrolein                  | 2.29 | 56  | 58037   | 165.875 | ug/l   | 99     |
| 14) Allyl chloride            | 2.73 | 41  | 250216  | 44.821  | ug/l # | 92     |
| 15) Acrylonitrile             | 3.15 | 53  | 430816  | 294.678 | ug/l   | 100    |
| 16) Acetone                   | 2.45 | 43  | 482610  | 330.957 | ug/l   | 99     |
| 17) Carbon Disulfide          | 2.57 | 76  | 309127  | 45.595  | ug/l   | 99     |
| 18) Methyl Acetate            | 2.78 | 43  | 245188  | 72.017  | ug/l   | 100    |
| 19) Methyl tert-butyl Ether   | 3.21 | 73  | 494114  | 55.419  | ug/l   | 100    |
| 20) Methylene Chloride        | 2.85 | 84  | 141871  | 52.039  | ug/l   | 97     |
| 21) trans-1,2-Dichloroethene  | 3.16 | 96  | 132584  | 46.738  | ug/l   | 99     |
| 22) Diisopropyl ether         | 3.88 | 45  | 471479  | 50.571  | ug/l   | 97     |
| 23) Vinyl Acetate             | 3.83 | 43  | 2085072 | 230.399 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 3.70 | 63  | 242499  | 43.951  | ug/l   | 99     |
| 25) 2-Butanone                | 4.71 | 43  | 891895  | 376.447 | ug/l   | 98     |
| 26) 2,2-Dichloropropane       | 4.59 | 77  | 182545  | 42.325  | ug/l   | 97     |
| 27) cis-1,2-Dichloroethene    | 4.60 | 96  | 177717  | 57.606  | ug/l   | 92     |
| 28) Bromochloromethane        | 5.02 | 49  | 122568  | 52.403  | ug/l   | 97     |
| 29) Tetrahydrofuran           | 5.17 | 42  | 392999  | 257.275 | ug/l   | 99     |
| 30) Chloroform                | 5.22 | 83  | 254411  | 47.784  | ug/l   | 95     |
| 31) Cyclohexane               | 5.57 | 56  | 194821  | 44.653  | ug/l   | 99     |
| 32) 1,1,1-Trichloroethane     | 5.50 | 97  | 221503  | 49.056  | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 5.80 | 75  | 179540  | 48.737  | ug/l   | 99     |
| 37) Ethyl Acetate             | 4.87 | 43  | 230378  | 52.002  | ug/l   | 100    |
| 38) Carbon Tetrachloride      | 5.79 | 117 | 192056  | 49.835  | ug/l   | 96     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX061418\  
 Data File : VX002554.D  
 Acq On : 14 Jun 2018 16:19  
 Operator : JC/MD  
 Sample : J3404-06MSD  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS050MW513-180607MSD

Manual Integrations  
 APPROVED

MMDadoda  
 6/15/2018 1:11:52 PM

Quant Time: Jun 15 02:12:02 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X060418W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 05 03:22:35 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 191646   | 42.150   | ug/l   | 97       |
| 40) Benzene                    | 6.15  | 78   | 538435   | 47.669   | ug/l   | 100      |
| 41) Methacrylonitrile          | 5.07  | 41   | 129902   | 51.221   | ug/l   | 98       |
| 42) 1,2-Dichloroethane         | 6.20  | 62   | 216096   | 48.153   | ug/l   | 100      |
| 43) Isopropyl Acetate          | 6.47  | 43   | 382627   | 50.849   | ug/l   | 100      |
| 44) Trichloroethene            | 7.21  | 130  | 164252   | 52.395   | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 7.52  | 63   | 145453   | 47.700   | ug/l   | 99       |
| 46) Dibromomethane             | 7.67  | 93   | 99728    | 48.244   | ug/l   | 99       |
| 47) Bromodichloromethane       | 7.90  | 83   | 185445   | 49.602   | ug/l   | 97       |
| 48) Methyl methacrylate        | 7.78  | 41   | 198440   | 52.501   | ug/l   | 98       |
| 49) 1,4-Dioxane                | 7.76  | 88   | 80542    | 1139.649 | ug/l # | 87       |
| 51) 4-Methyl-2-Pentanone       | 8.65  | 43   | 1297460  | 276.879  | ug/l   | 100      |
| 52) Toluene                    | 8.79  | 92   | 344555   | 47.962   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 8.44  | 75   | 217016   | 48.404   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 9.05  | 75   | 208101   | 49.198   | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 9.22  | 97   | 147949   | 50.072   | ug/l   | 97       |
| 56) Ethyl methacrylate         | 9.18  | 69   | 240199   | 50.919   | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 9.38  | 76   | 242361   | 48.894   | ug/l   | 99       |
| 59) 2-Hexanone                 | 9.50  | 43   | 1000225  | 276.343  | ug/l   | 99       |
| 60) Dibromochloromethane       | 9.59  | 129  | 154797   | 52.086   | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 9.68  | 107  | 156804   | 50.897   | ug/l   | 99       |
| 64) Tetrachloroethene          | 9.34  | 164  | 137069   | 39.703   | ug/l   | 99       |
| 65) Chlorobenzene              | 10.14 | 112  | 405447   | 48.676   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 10.23 | 131  | 151871   | 50.355   | ug/l   | 99       |
| 67) Ethyl Benzene              | 10.26 | 91   | 687932   | 49.351   | ug/l   | 99       |
| 68) m/p-Xylenes                | 10.36 | 106  | 523238   | 96.563   | ug/l   | 99       |
| 69) o-Xylene                   | 10.70 | 106  | 259556   | 48.134   | ug/l   | 99       |
| 70) Stvrene                    | 10.71 | 104  | 441246   | 50.055   | ug/l   | 99       |
| 71) Bromoform                  | 10.86 | 173  | 127584   | 47.426   | ug/l   | 99       |
| 73) Isopropylbenzene           | 11.02 | 105  | 693808   | 47.295   | ug/l   | 100      |
| 74) N-amyl acetate             | 6.47  | 43   | 382627   | 48.406   | ug/l # | 100      |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 247780   | 53.703   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 11.30 | 75   | 236994m  | 51.217   | ug/l   |          |
| 77) Bromobenzene               | 11.26 | 156  | 198716   | 48.251   | ug/l   | 98       |
| 78) n-propylbenzene            | 11.37 | 91   | 791226   | 48.526   | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 11.43 | 91   | 469862   | 45.637   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 578962   | 46.013   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 11.08 | 75   | 63321    | 47.968   | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 563625   | 47.428   | ug/l   | 99       |
| 83) tert-Butylbenzene          | 11.77 | 119  | 598152   | 48.818   | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 606378   | 46.816   | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.95 | 105  | 691902   | 48.168   | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 12.07 | 119  | 629012   | 48.075   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 12.03 | 146  | 354234   | 48.105   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 366832   | 48.330   | ug/l   | 99       |
| 89) n-Butylbenzene             | 12.39 | 91   | 556014   | 50.669   | ug/l   | 100      |
| 90) Hexachloroethane           | 12.60 | 117  | 96615    | 46.258   | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 12.40 | 146  | 360863   | 47.364   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.01 | 75   | 63054    | 62.494   | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene     | 13.65 | 180  | 270883   | 50.705   | ug/l   | 99       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061418\  
Data File : VX002554.D  
Acq On : 14 Jun 2018 16:19  
Operator : JC/MD  
Sample : J3404-06MSD  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS050MW513-180607MSD

Manual Integrations  
APPROVED

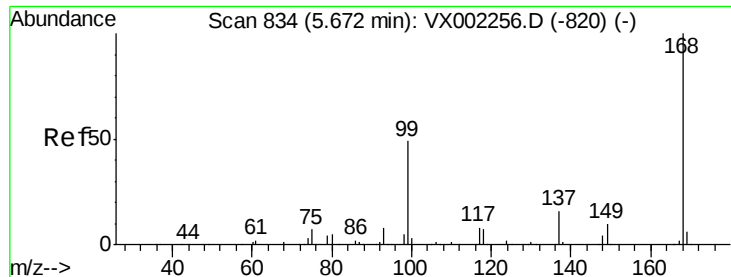
MMDadoda  
6/15/2018 1:11:52 PM

Quant Time: Jun 15 02:12:02 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X060418W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jun 05 03:22:35 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 94) Hexachlorobutadiene    | 13.79 | 225  | 124812   | 47.279 | ug/l  | 99       |
| 95) Naphthalene            | 13.84 | 128  | 864257   | 56.305 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 270397   | 49.629 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002554.D

Acq: 14 Jun 2018 16:19

Instrument :

MSVOA\_X

ClientSampleId :

SS050MW513-180607MSD

Tot Ion:168 Resp: 241637

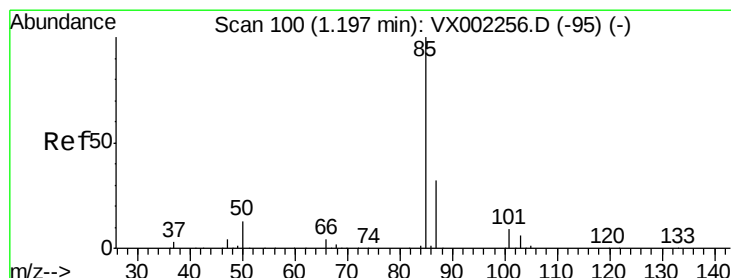
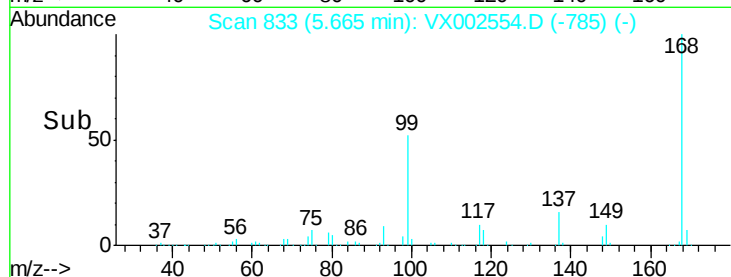
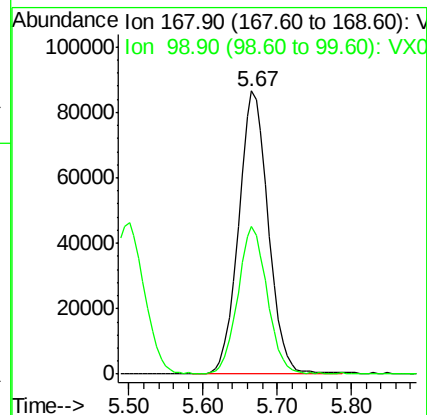
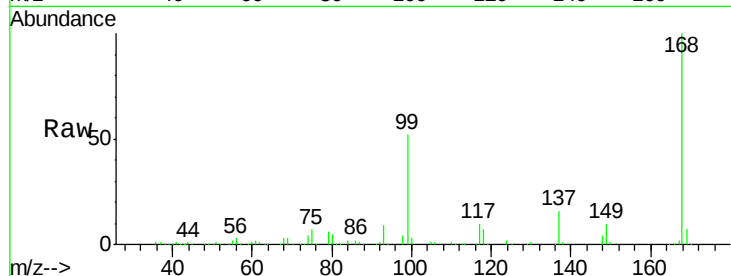
Ion Ratio Lower Upper

168 100

99 51.9 39.3 58.9

Manual Integrations  
APPROVED

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6/15/2018 1:11:52 PM



#2

Dichlorodifluoromethane

Concen: 42.510 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX002554.D

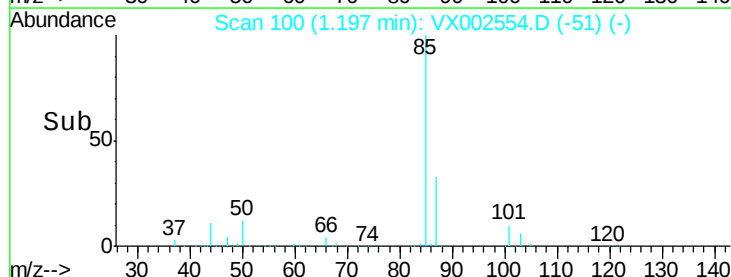
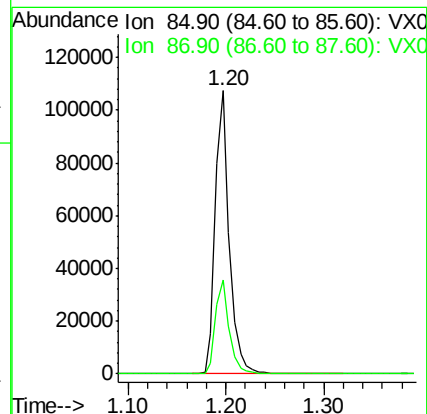
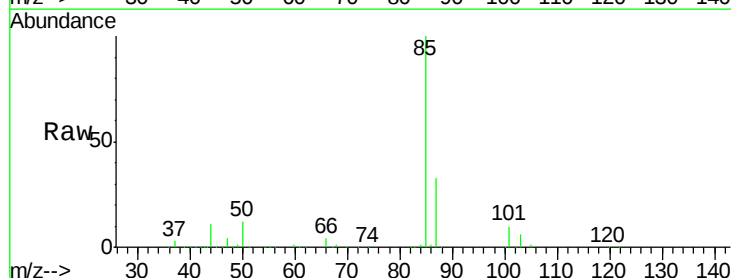
Acq: 14 Jun 2018 16:19

Tgt Ion: 85 Resp: 106782

Ion Ratio Lower Upper

85 100

87 33.1 16.0 47.9





#3

Chloromethane

Concen: 42.878 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002554.D

Acq: 14 Jun 2018 16:19

Instrument :

MSVOA\_X

ClientSampleId :

SS050MW513-180607MSD

Tot Ion: 50 Resp: 124587

Ion Ratio Lower Upper

50 100

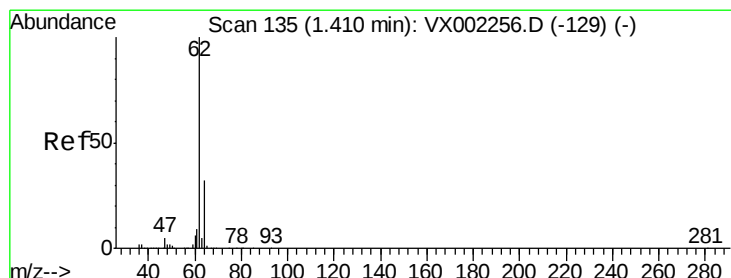
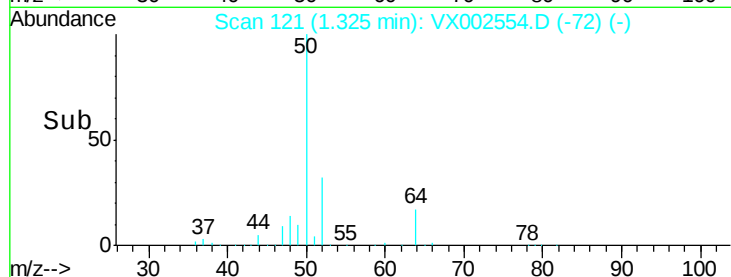
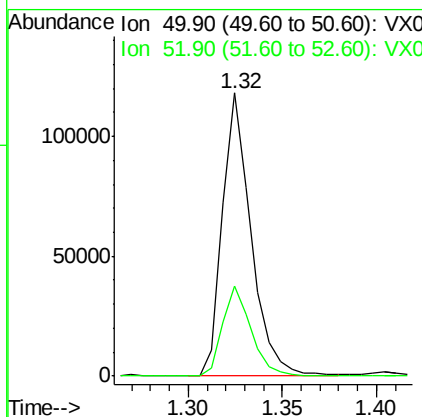
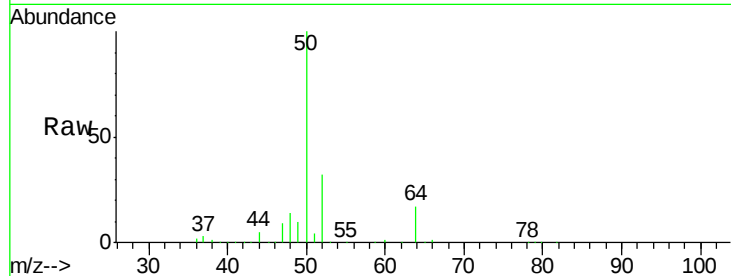
52 32.0 25.7 38.5

Manual Integrations

APPROVED

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6/15/2018 1:11:52 PM



#4

Vinyl Chloride

Concen: 46.540 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX002554.D

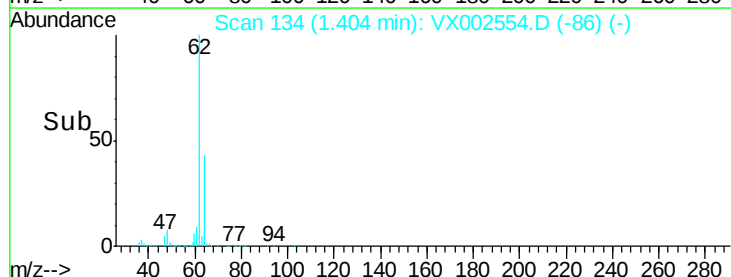
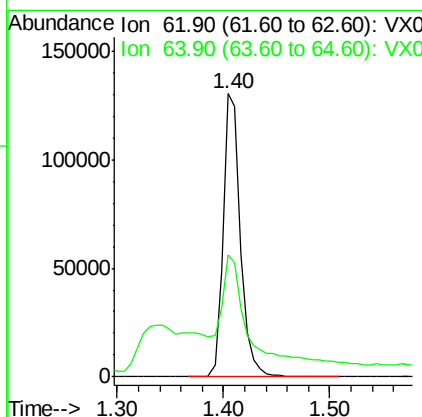
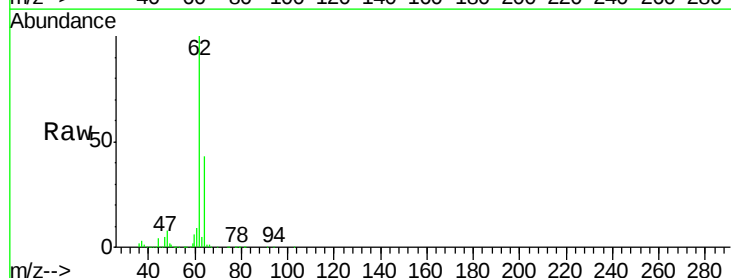
Acq: 14 Jun 2018 16:19

Tgt Ion: 62 Resp: 147336

Ion Ratio Lower Upper

62 100

64 37.9 25.4 38.2





#5

Bromomethane

Concen: 43.156 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002554.D

Acq: 14 Jun 2018 16:19

Instrument :

MSVOA\_X

ClientSampleId :

SS050MW513-180607MSD

Tot Ion: 94 Resp: 78135

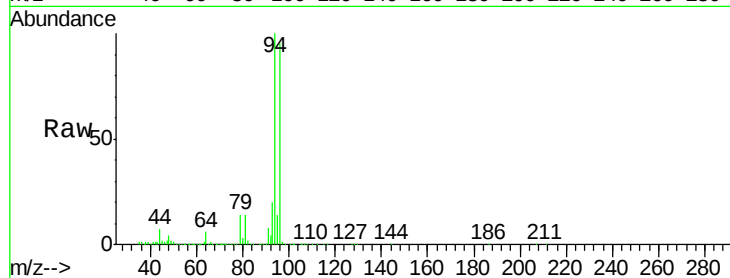
Ion Ratio Lower Upper

94 100

96 95.4 74.9 112.3

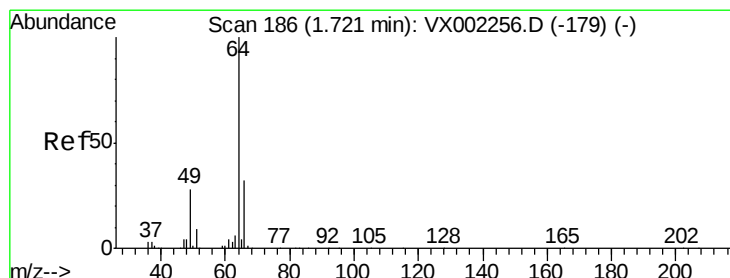
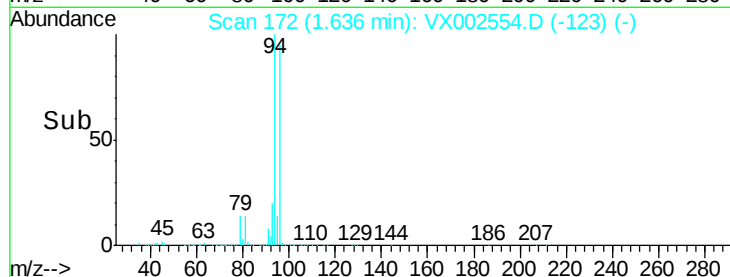
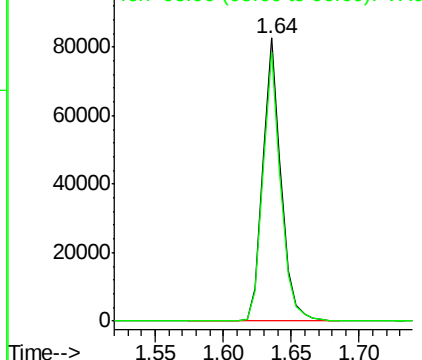
Manual Integrations  
APPROVED

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6/15/2018 1:11:52 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 47.507 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX002554.D

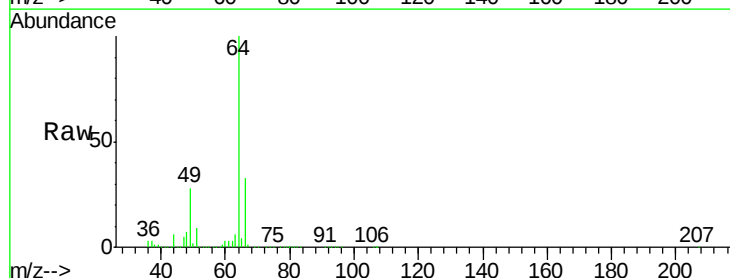
Acq: 14 Jun 2018 16:19

Tgt Ion: 64 Resp: 97286

Ion Ratio Lower Upper

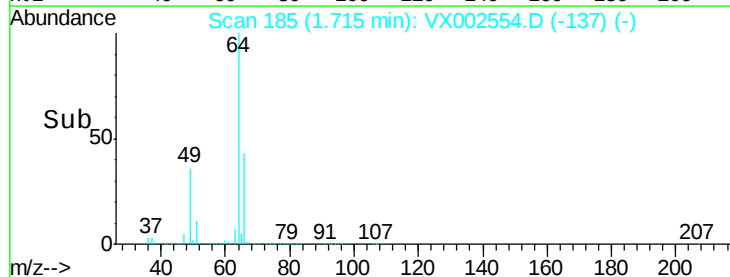
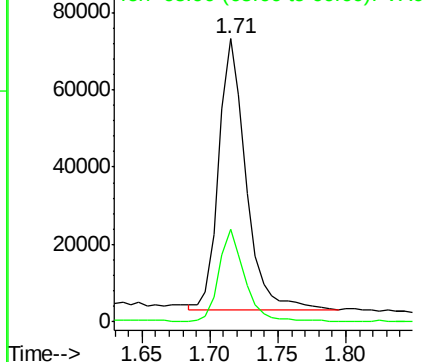
64 100

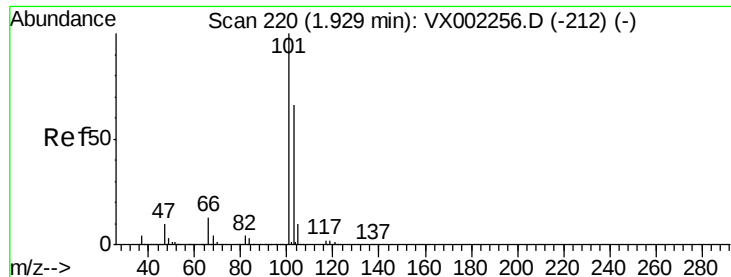
66 33.7 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

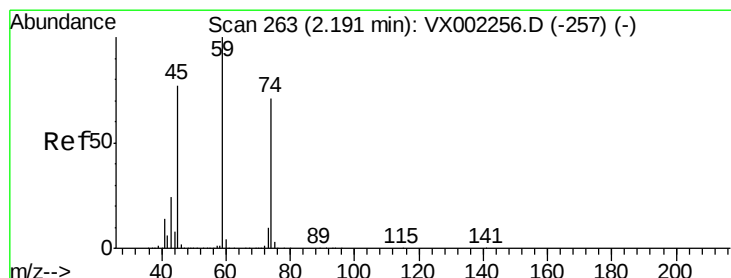
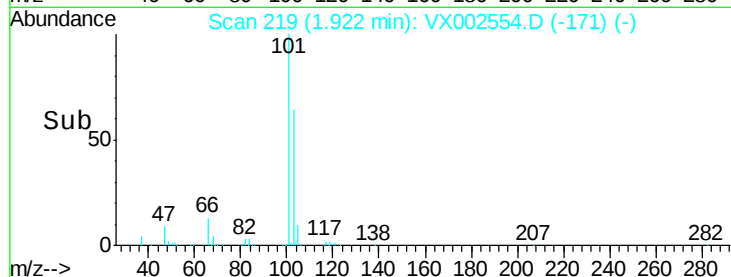
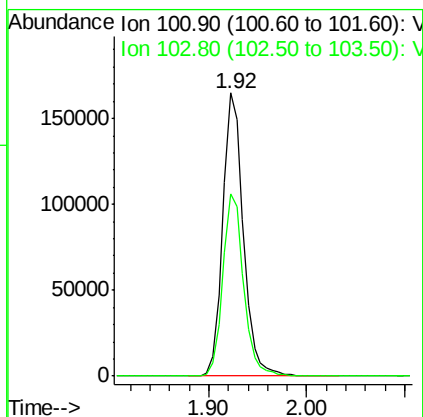
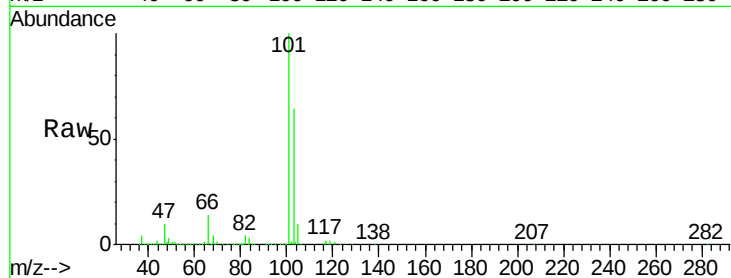
Trichlorofluoromethane  
Concen: 49.973 ug/l  
RT: 1.92 min Scan# 219  
Delta R.T. -0.01 min  
Lab File: VX002554.D  
Acq: 14 Jun 2018 16:19

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS050MW513-180607MSD

Tot Ion:101 Resp: 241043  
Ion Ratio Lower Upper  
101 100  
103 64.5 52.8 79.2

Manual Integrations  
APPROVED

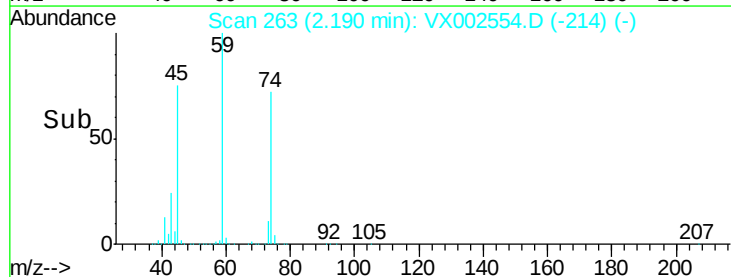
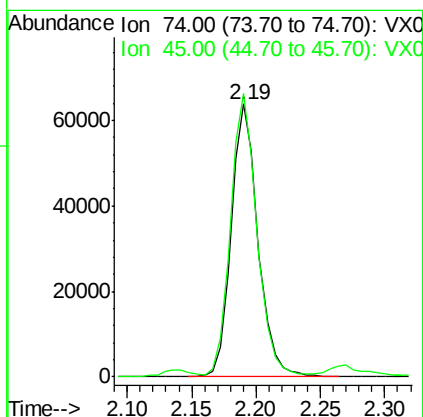
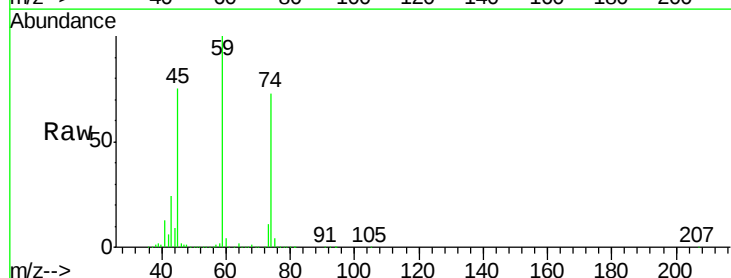
MMDadoda  
6/15/2018 1:11:52 PM

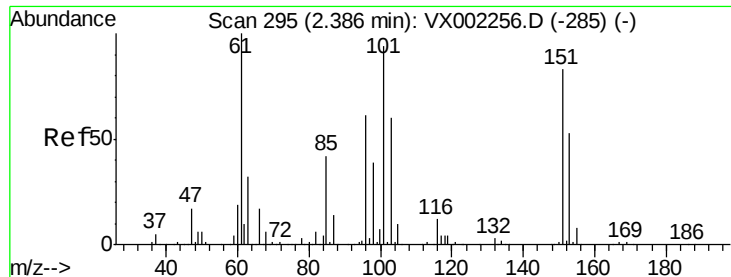


#8

Diethyl Ether  
Concen: 54.041 ug/l  
RT: 2.19 min Scan# 263  
Delta R.T. 0.00 min  
Lab File: VX002554.D  
Acq: 14 Jun 2018 16:19

Tgt Ion: 74 Resp: 92300  
Ion Ratio Lower Upper  
74 100  
45 101.7 53.1 159.4





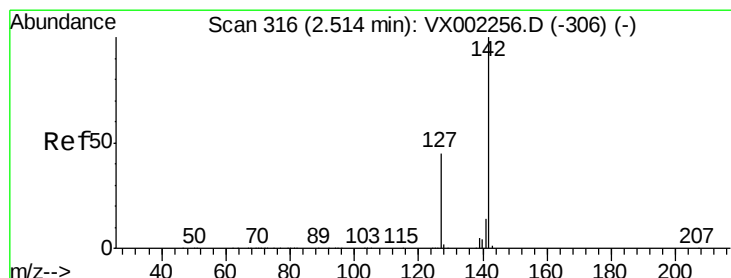
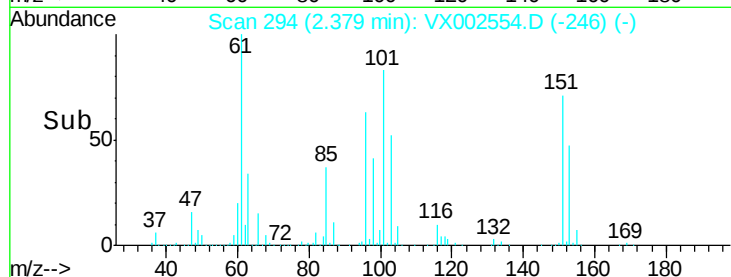
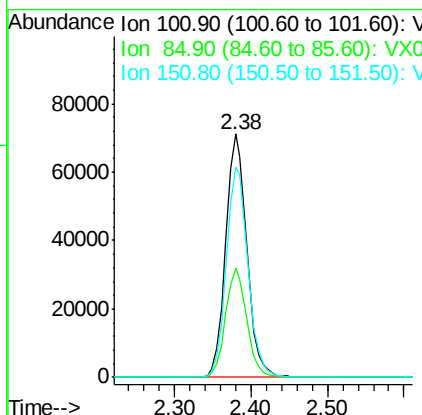
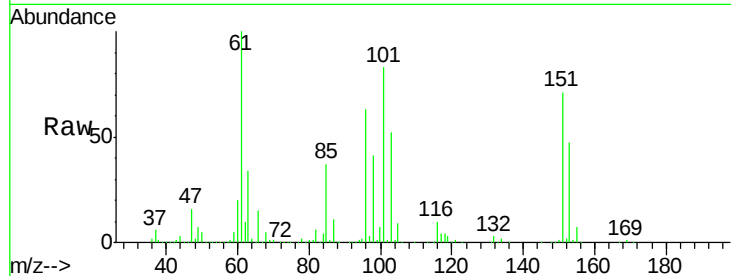
#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 52.217 ug/l  
 RT: 2.38 min Scan# 294  
 Delta R.T. -0.01 min  
 Lab File: VX002554.D  
 Acq: 14 Jun 2018 16:19

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS050MW513-180607MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 101     | 100   | 135918 |       |       |
| 85      | 44.7  | 36.0   | 54.0  |       |
| 151     | 88.5  | 70.9   | 106.3 |       |

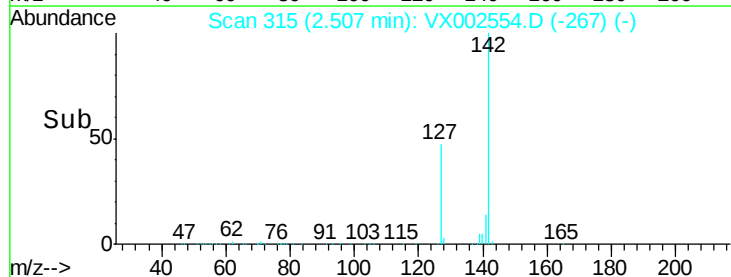
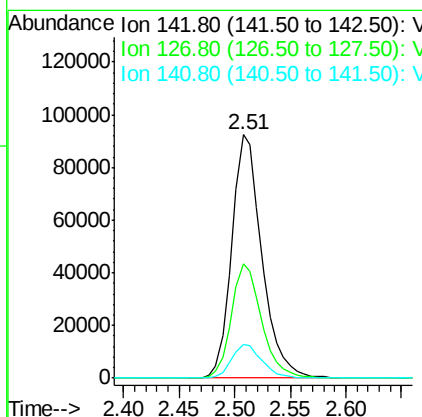
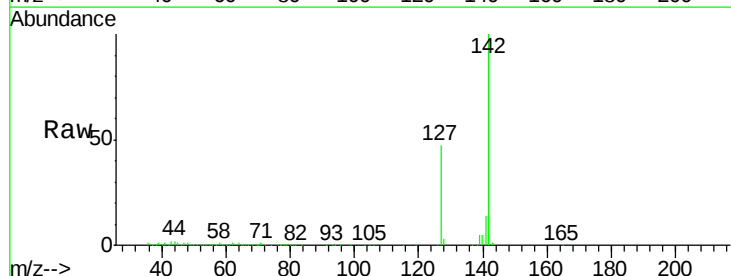
Manual Integrations  
 APPROVED

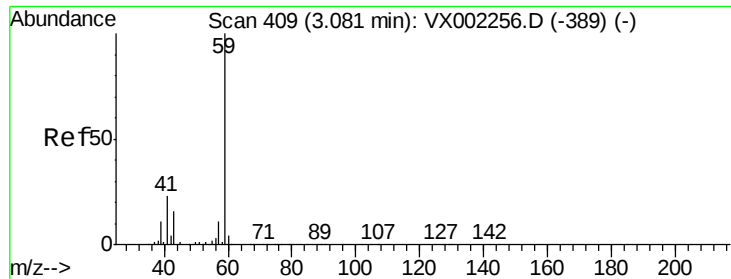
MMDadoda  
 6/15/2018 1:11:52 PM



#10  
 Methyl Iodide  
 Concen: 47.248 ug/l  
 RT: 2.51 min Scan# 315  
 Delta R.T. -0.01 min  
 Lab File: VX002554.D  
 Acq: 14 Jun 2018 16:19

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 142     | 100   | 172984 |       |       |
| 127     | 47.1  | 36.6   | 55.0  |       |
| 141     | 14.2  | 11.3   | 16.9  |       |





#11

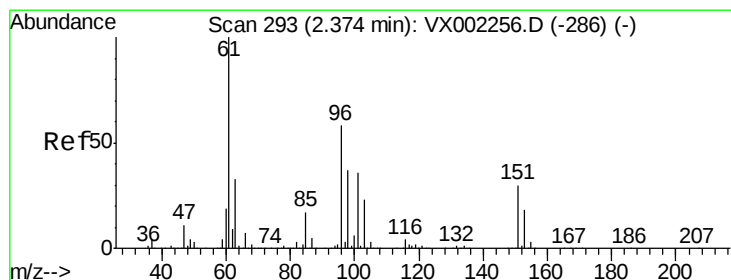
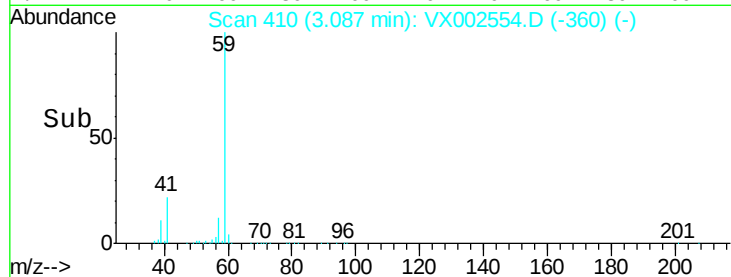
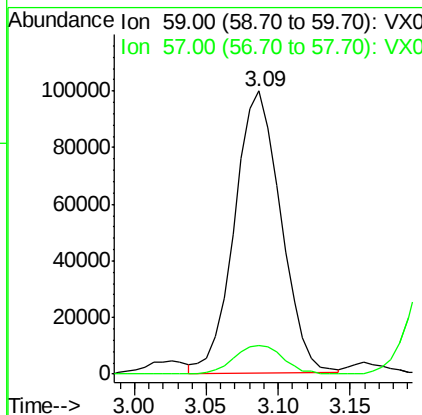
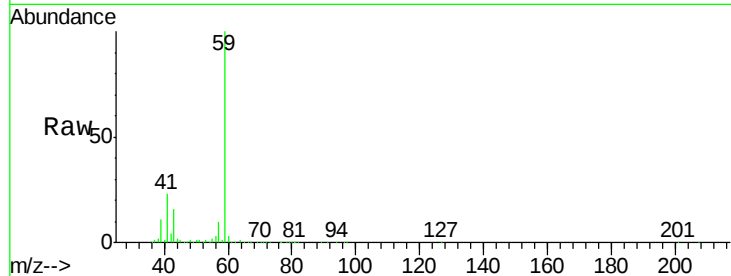
Tert butyl alcohol  
 Concen: 320.100 ug/l  
 RT: 3.09 min Scan# 410  
 Delta R.T. 0.01 min  
 Lab File: VX002554.D  
 Acq: 14 Jun 2018 16:19

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS050MW513-180607MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.8  | 8.2   | 12.2  |

Manual Integrations  
 APPROVED

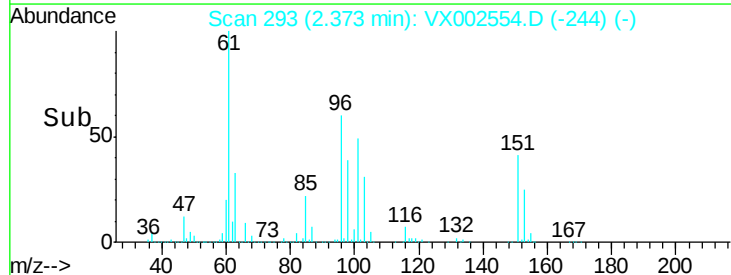
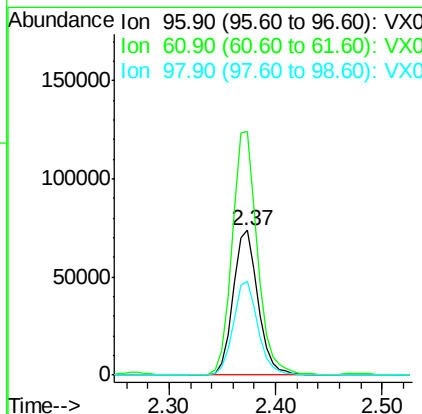
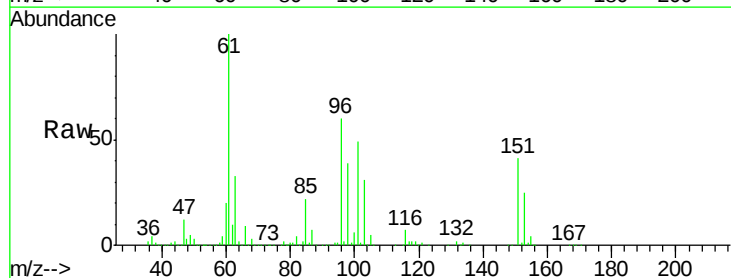
MMDadoda  
 6/15/2018 1:11:52 PM

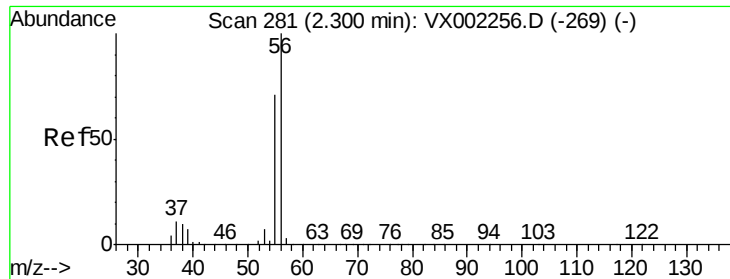


#12

1,1-Dichloroethene  
 Concen: 47.322 ug/l  
 RT: 2.37 min Scan# 293  
 Delta R.T. -0.00 min  
 Lab File: VX002554.D  
 Acq: 14 Jun 2018 16:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 167.6 | 137.9 | 206.9 |
| 98      | 65.1  | 51.6  | 77.4  |





#13

Acrolein

Concen: 165.875 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX002554.D

Acq: 14 Jun 2018 16:19

Instrument :

MSVOA\_X

ClientSampleId :

SS050MW513-180607MSD

Tot Ion: 56 Resp: 58037

Ion Ratio Lower Upper

56 100

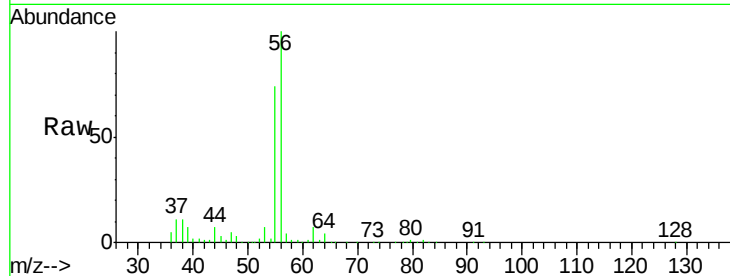
55 72.3 57.0 85.4

Manual Integrations

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6/15/2018 1:11:52 PM

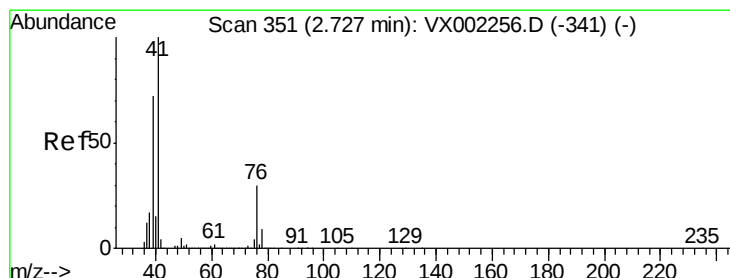
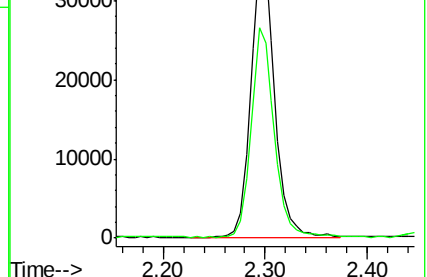
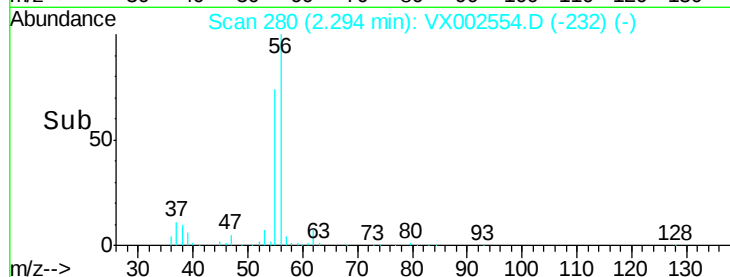


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

Time-->



#14

Allyl chloride

Concen: 44.821 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002554.D

Acq: 14 Jun 2018 16:19

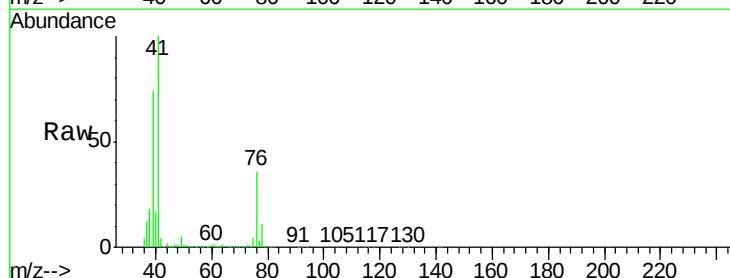
Tgt Ion: 41 Resp: 250216

Ion Ratio Lower Upper

41 100

39 71.0 56.8 85.2

76 43.8 23.8 35.8#



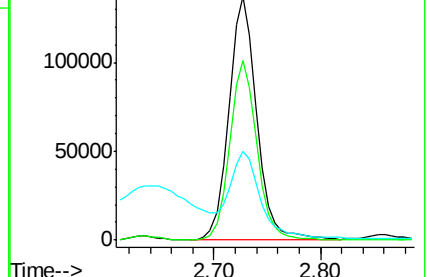
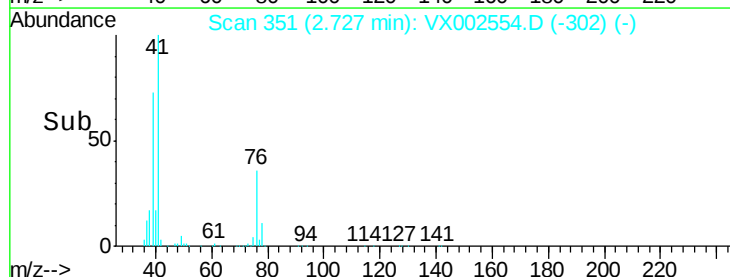
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

2.73

Time-->





#15

Acrylonitrile

Concen: 294.678 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002554.D

Acq: 14 Jun 2018 16:19

Instrument :

MSVOA\_X

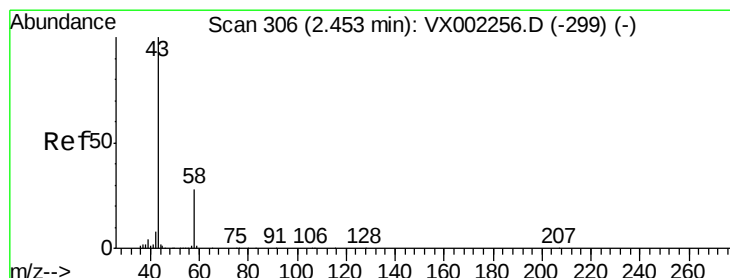
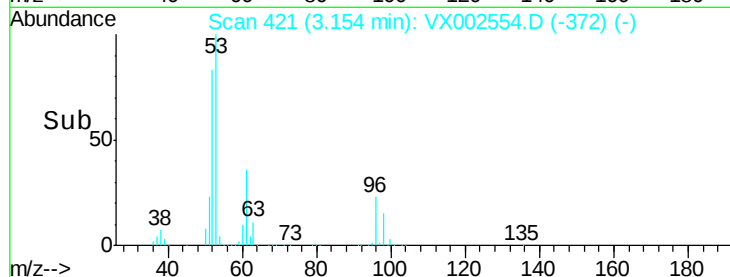
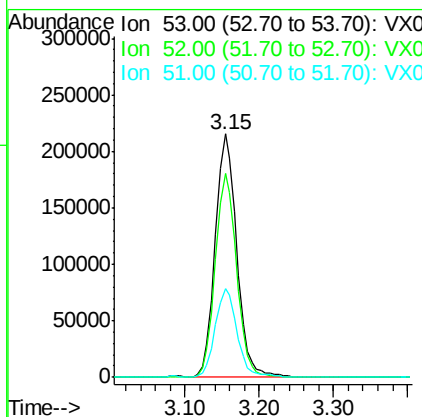
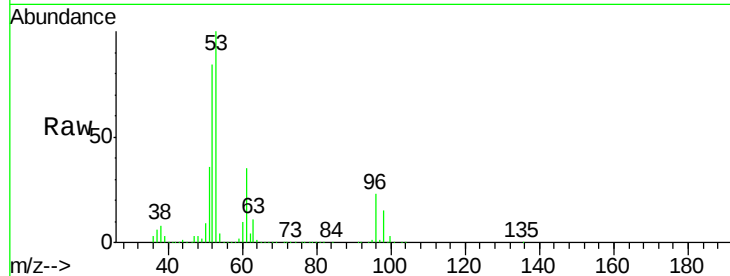
ClientSampleId :

SS050MW513-180607MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 430816 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 83.0  | 66.7  | 100.1  |
| 51       | 37.1  | 29.9  | 44.9   |

Manual Integrations  
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6/15/2018 1:11:52 PM



#16

Acetone

Concen: 330.957 ug/l

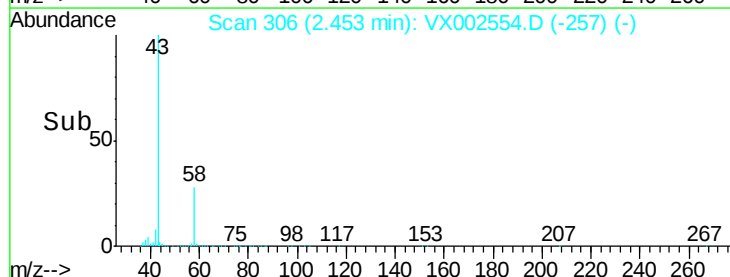
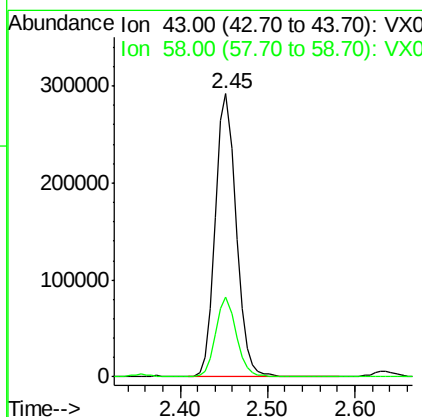
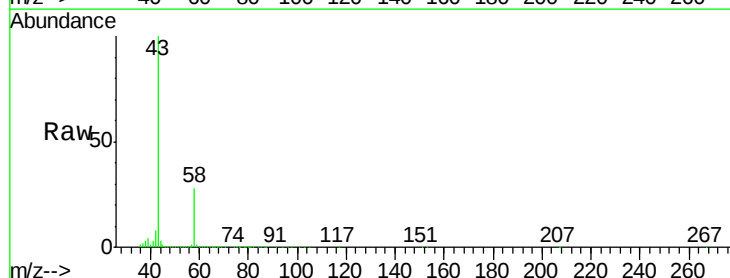
RT: 2.45 min Scan# 306

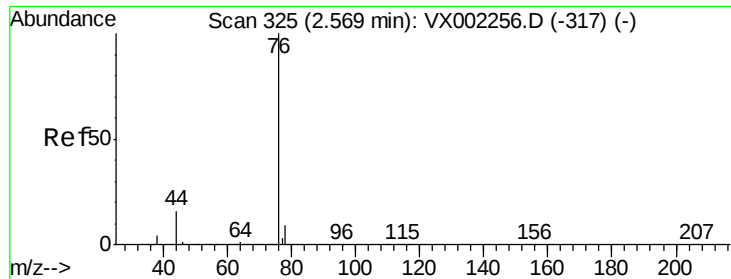
Delta R.T. 0.00 min

Lab File: VX002554.D

Acq: 14 Jun 2018 16:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 482610 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 28.1  | 22.1  | 33.1   |





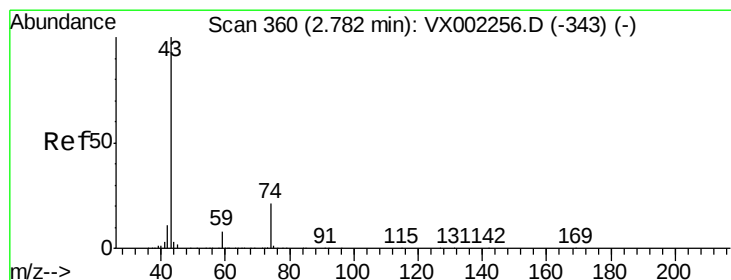
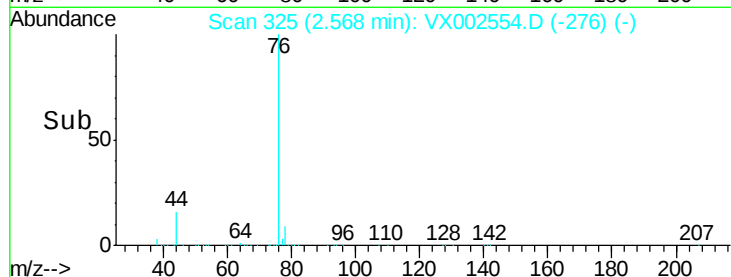
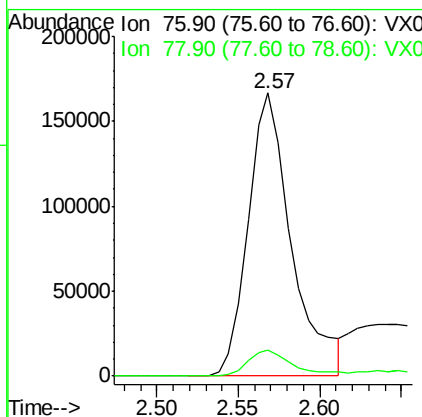
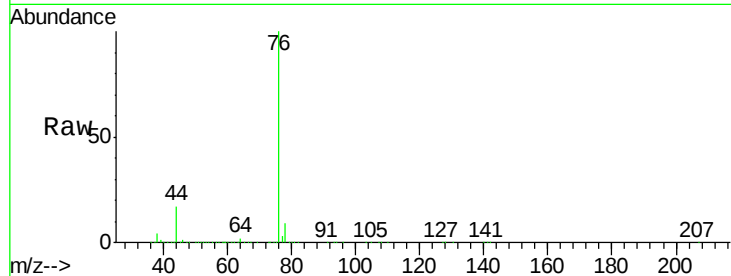
#17  
Carbon Disulfide  
Concen: 45.595 ug/l  
RT: 2.57 min Scan# 325  
Delta R.T. -0.00 min  
Lab File: VX002554.D  
Acq: 14 Jun 2018 16:19

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS050MW513-180607MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.1   | 6.9   | 10.3  |

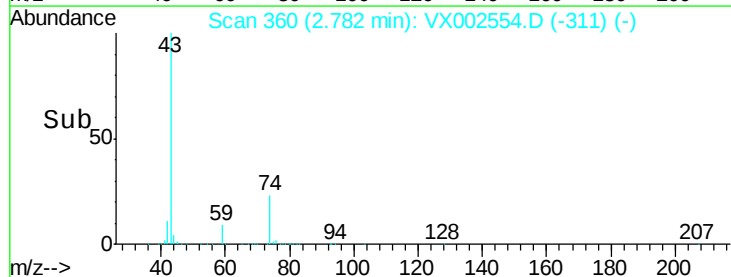
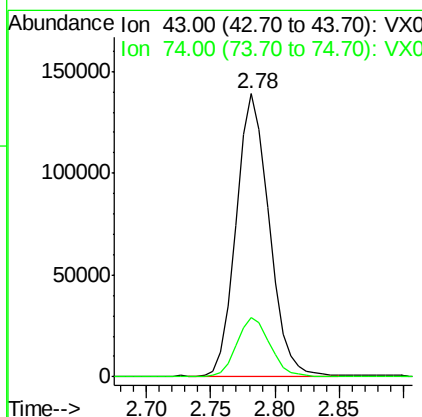
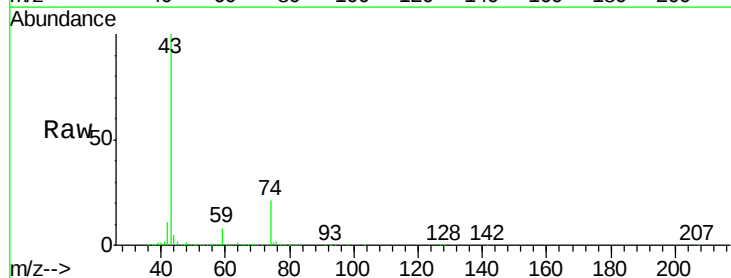
Manual Integrations  
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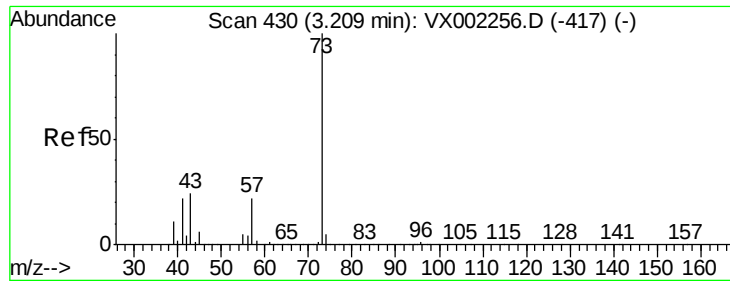
MMDadoda  
6/15/2018 1:11:52 PM



#18  
Methyl Acetate  
Concen: 72.017 ug/l  
RT: 2.78 min Scan# 360  
Delta R.T. -0.00 min  
Lab File: VX002554.D  
Acq: 14 Jun 2018 16:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 21.1  | 16.7  | 25.1  |





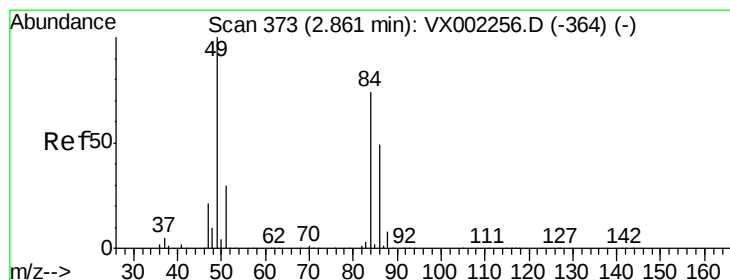
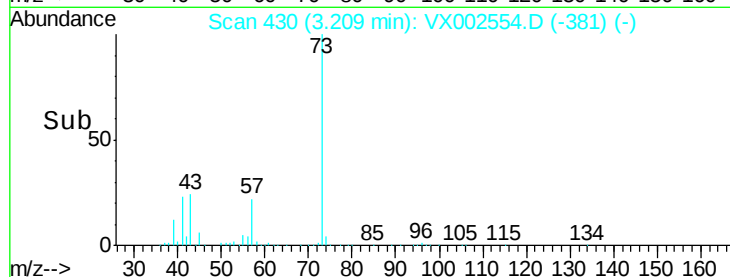
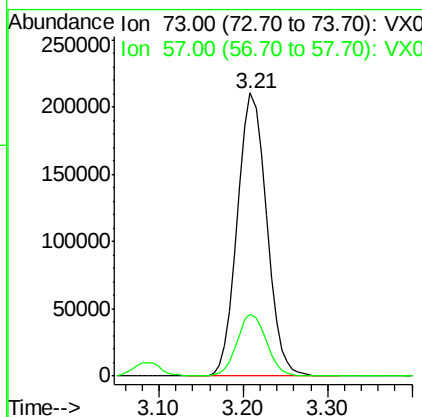
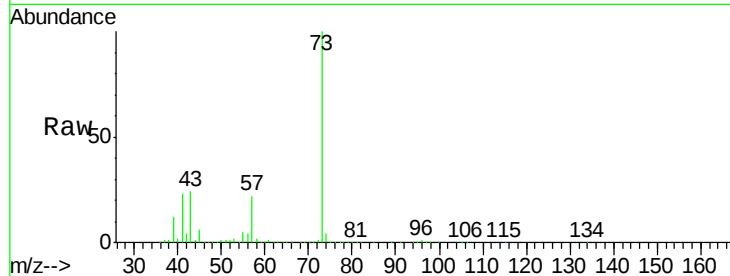
#19  
Methyl tert-butyl Ether  
Concen: 55.419 ug/l  
RT: 3.21 min Scan# 430  
Delta R.T. 0.00 min  
Lab File: VX002554.D  
Acq: 14 Jun 2018 16:19

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS050MW513-180607MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 22.0  | 17.7  | 26.5  |

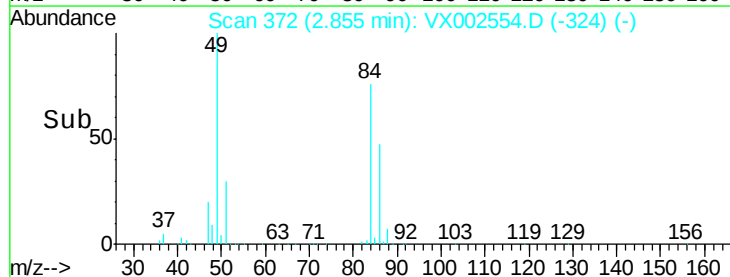
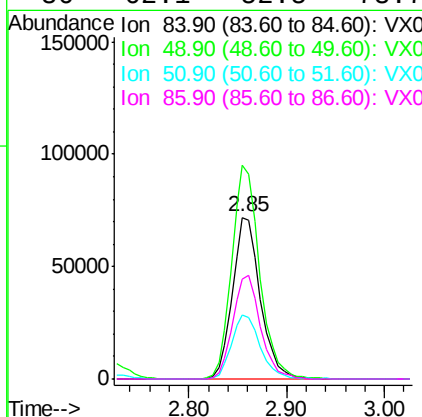
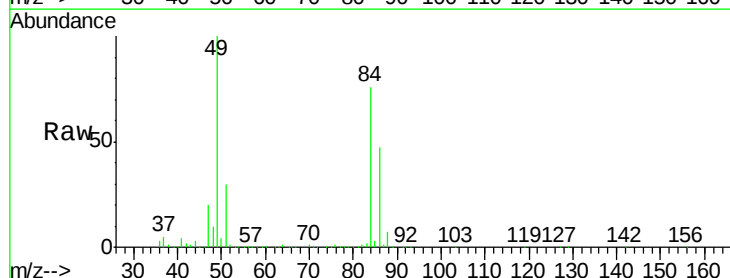
Manual Integrations  
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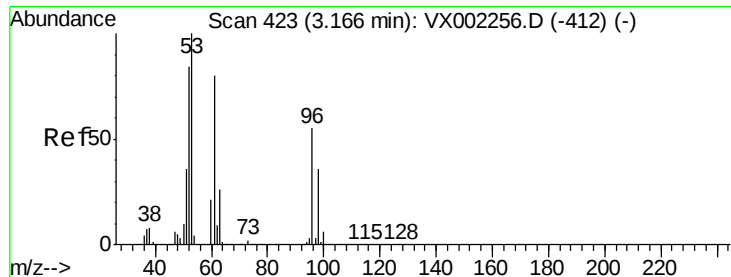
MMDadoda  
6/15/2018 1:11:52 PM



#20  
Methylene Chloride  
Concen: 52.039 ug/l  
RT: 2.85 min Scan# 372  
Delta R.T. -0.01 min  
Lab File: VX002554.D  
Acq: 14 Jun 2018 16:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 132.2 | 107.8 | 161.6 |
| 51      | 39.7  | 32.8  | 49.2  |
| 86      | 62.1  | 52.5  | 78.7  |





#21

trans-1,2-Dichloroethene

Concen: 46.738 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX002554.D

Acq: 14 Jun 2018 16:19

Instrument :

MSVOA\_X

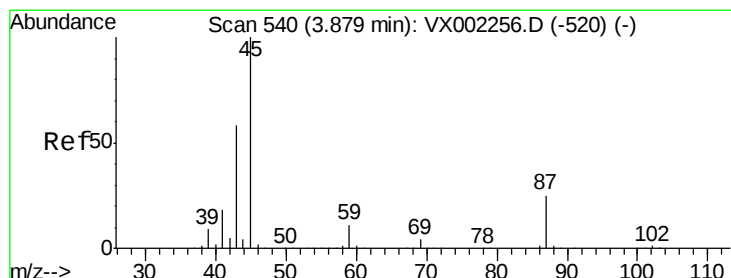
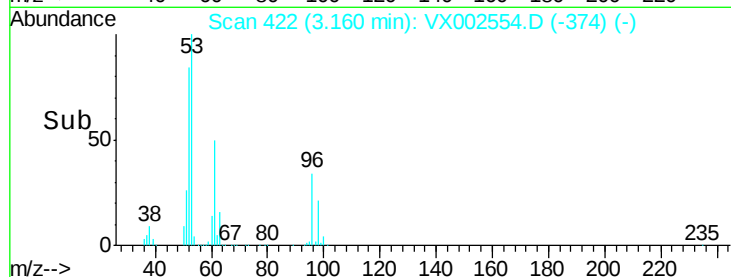
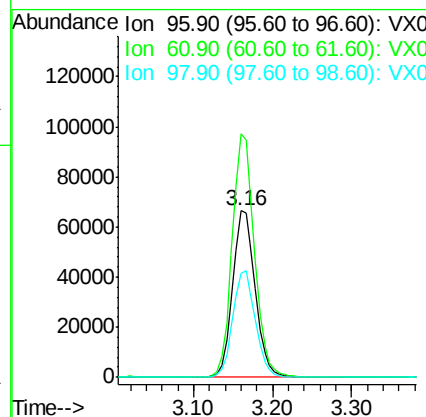
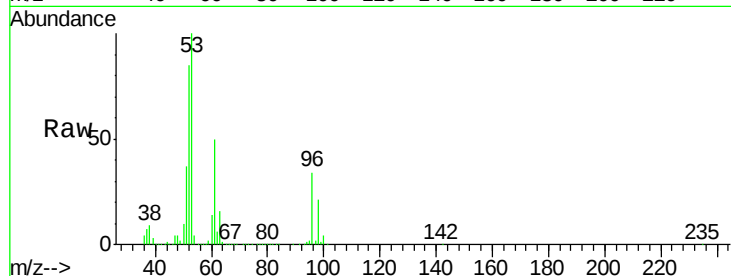
ClientSampleId :

SS050MW513-180607MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 132584 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 146.2 | 117.0 | 175.4  |
| 98       | 62.7  | 52.4  | 78.6   |

Manual Integrations  
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6/15/2018 1:11:52 PM



#22

Diisopropyl ether

Concen: 50.571 ug/l

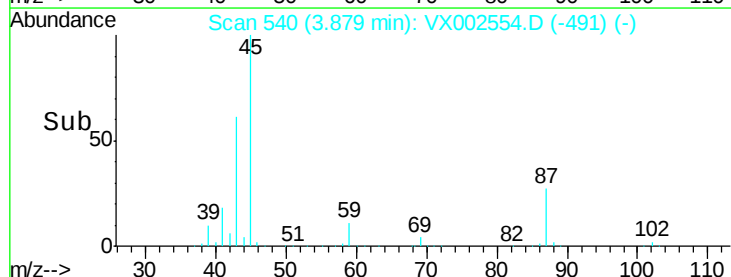
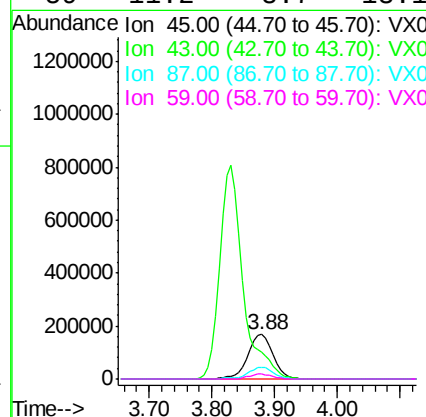
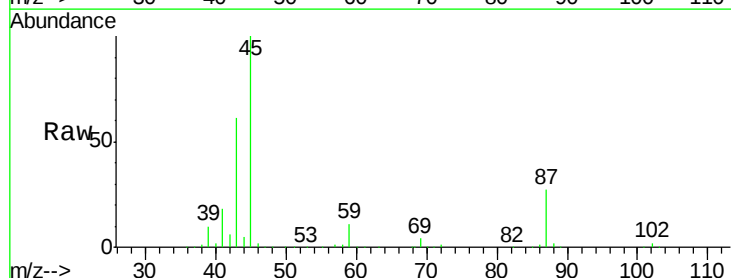
RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX002554.D

Acq: 14 Jun 2018 16:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 471479 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 60.7  | 46.8  | 70.2   |
| 87       | 26.8  | 20.2  | 30.4   |
| 59       | 11.2  | 8.7   | 13.1   |





#23

Vinyl Acetate

Concen: 230.399 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002554.D

Acq: 14 Jun 2018 16:19

Instrument :

MSVOA\_X

ClientSampleId :

SS050MW513-180607MSD

Tot Ion: 43 Resp: 2085072

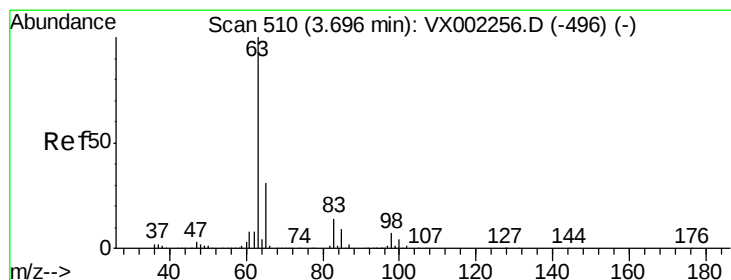
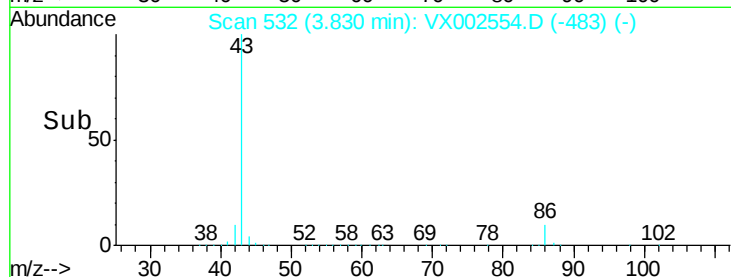
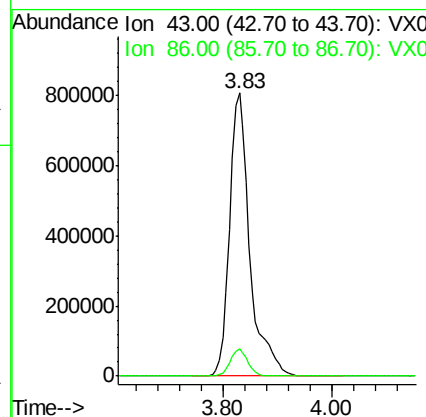
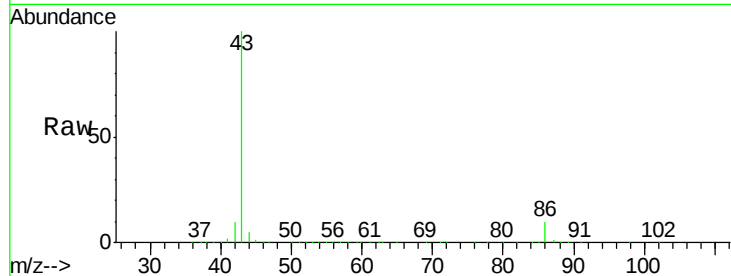
Ion Ratio Lower Upper

43 100

86 9.6 7.4 11.0

Manual Integrations  
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MMDadoda  
6/15/2018 1:11:52 PM



#24

1,1-Dichloroethane

Concen: 43.951 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX002554.D

Acq: 14 Jun 2018 16:19

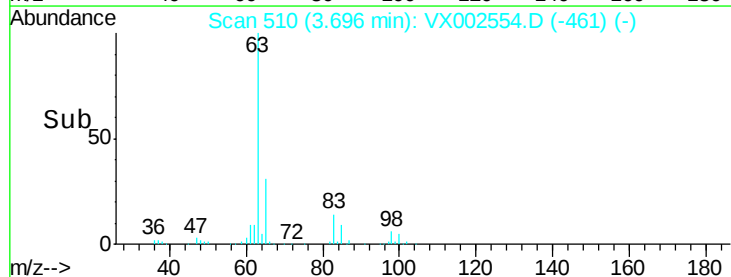
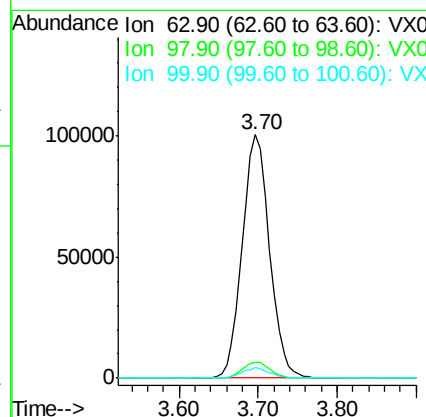
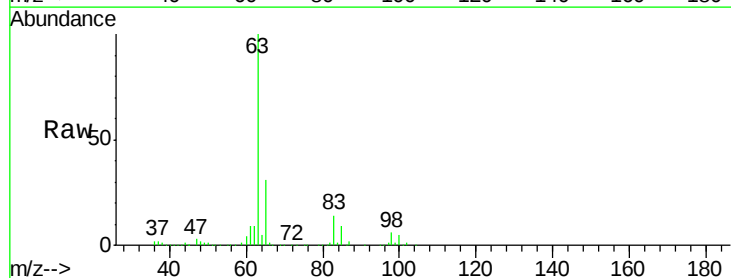
Tgt Ion: 63 Resp: 242499

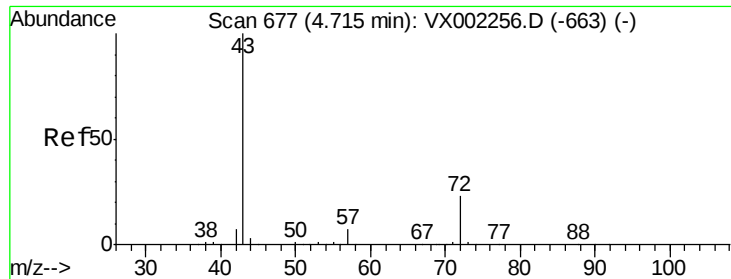
Ion Ratio Lower Upper

63 100

98 6.4 3.4 10.2

100 4.6 2.0 6.0





#25

2-Butanone

Concen: 376.447 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX002554.D

Acq: 14 Jun 2018 16:19

Instrument :

MSVOA\_X

ClientSampleId :

SS050MW513-180607MSD

Tot Ion: 43 Resp: 891895

Ion Ratio Lower Upper

43 100

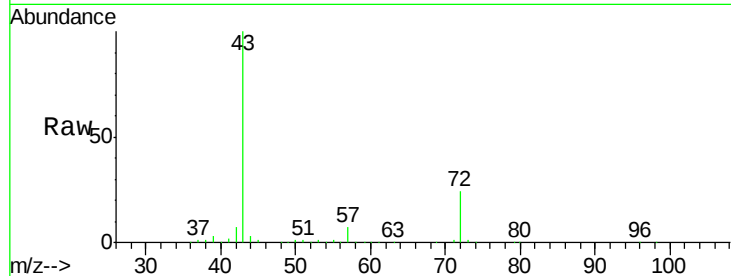
72 24.0 18.5 27.7

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.71

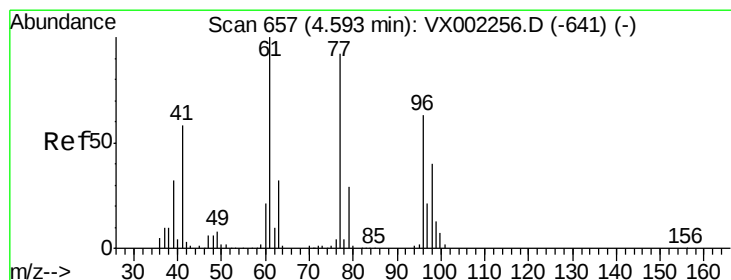
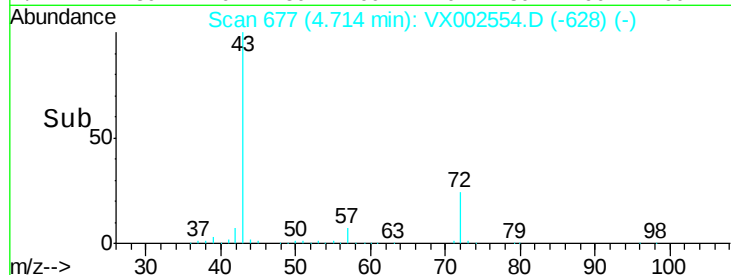
300000

200000

100000

0

Time-->



#26

2,2-Dichloropropane

Concen: 42.325 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX002554.D

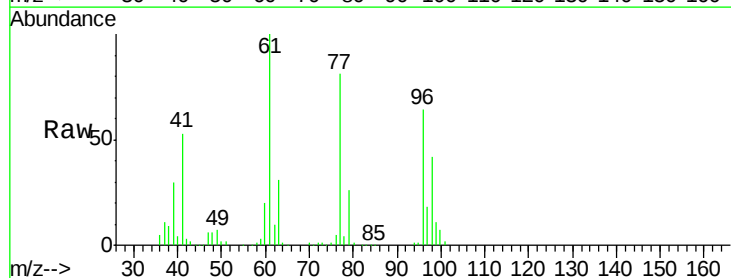
Acq: 14 Jun 2018 16:19

Tgt Ion: 77 Resp: 182545

Ion Ratio Lower Upper

77 100

97 23.7 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.59

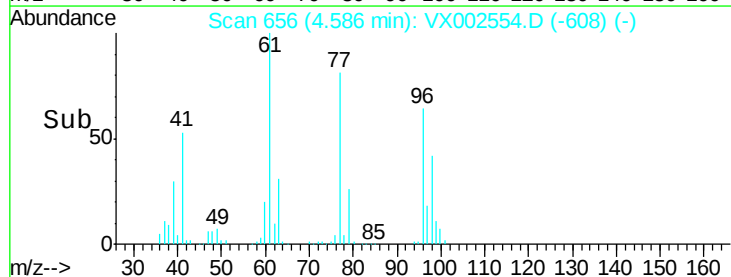
60000

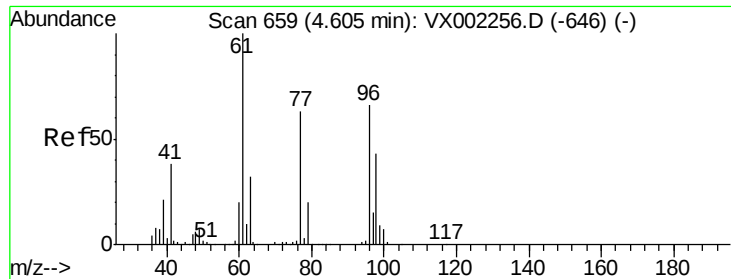
40000

20000

0

Time-->





#27

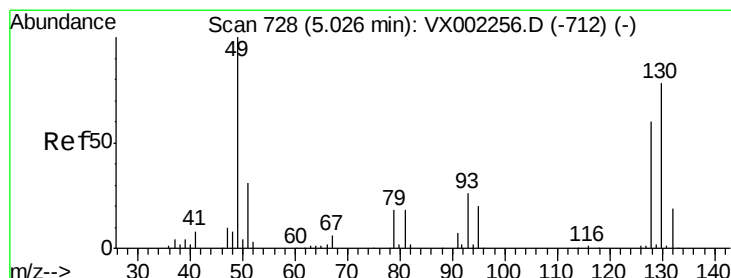
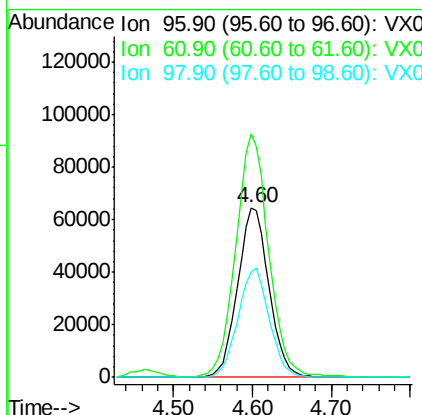
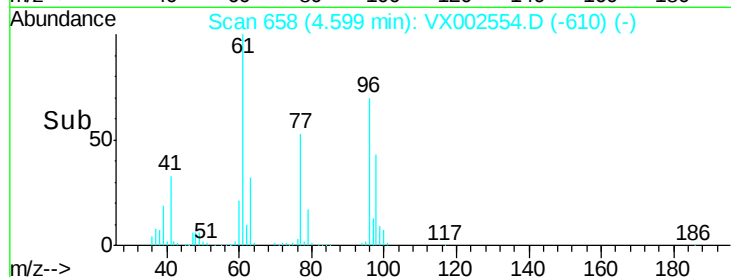
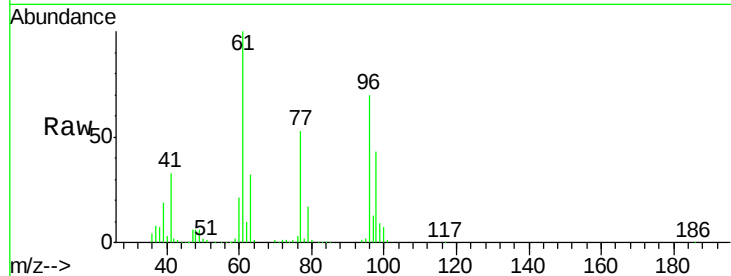
cis-1,2-Dichloroethene  
Concen: 57.606 ug/l  
RT: 4.60 min Scan# 658  
Delta R.T. -0.01 min  
Lab File: VX002554.D  
Acq: 14 Jun 2018 16:19

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS050MW513-180607MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 177717 |       |       |
| 61      | 150.7 | 0.0    | 330.2 |       |
| 98      | 64.4  | 0.0    | 130.2 |       |

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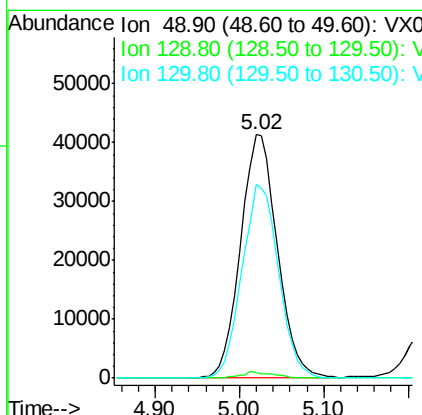
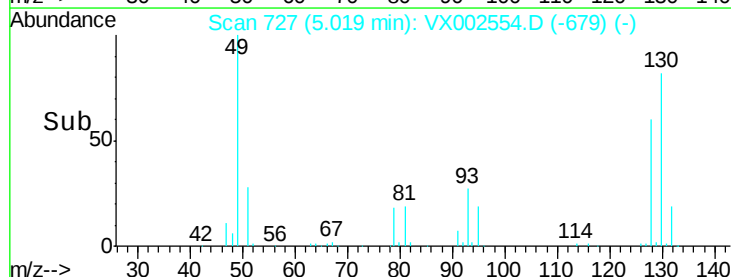
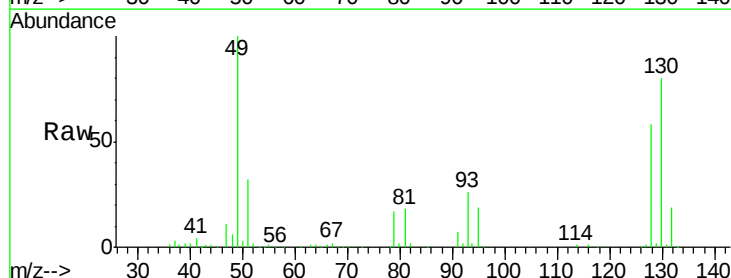
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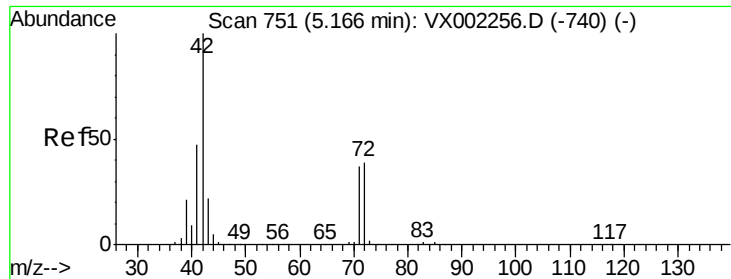


#28

Bromochloromethane  
Concen: 52.403 ug/l  
RT: 5.02 min Scan# 727  
Delta R.T. -0.01 min  
Lab File: VX002554.D  
Acq: 14 Jun 2018 16:19

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 122568 |       |       |
| 129     | 2.3   | 0.0    | 4.2   |       |
| 130     | 79.0  | 61.2   | 91.8  |       |





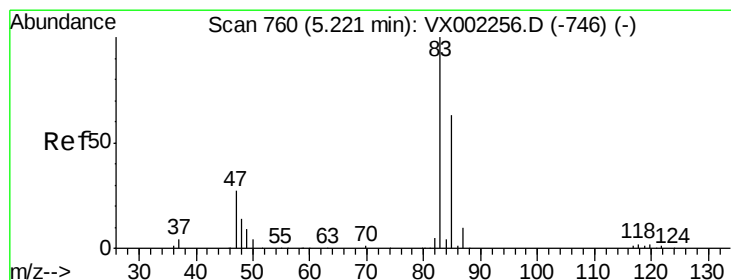
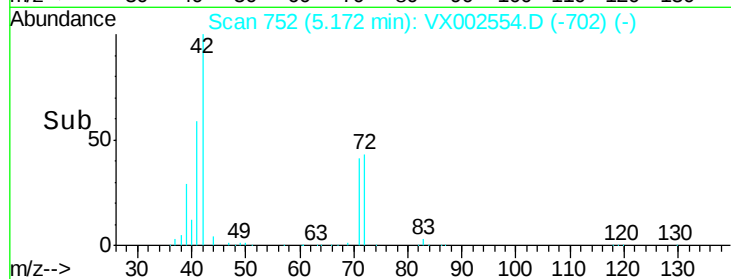
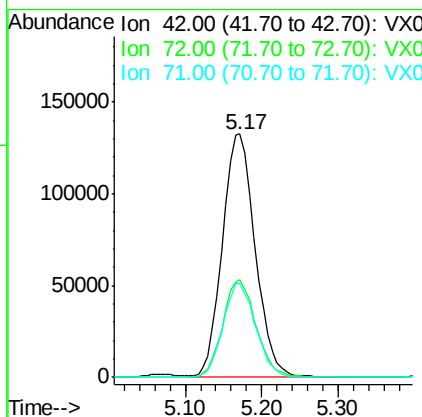
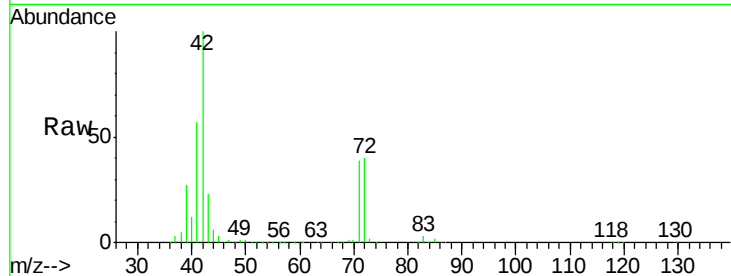
#29  
Tetrahydrofuran  
Concen: 257.275 ug/l  
RT: 5.17 min Scan# 752  
Delta R.T. 0.01 min  
Lab File: VX002554.D  
Acq: 14 Jun 2018 16:19

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS050MW513-180607MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 40.9  | 32.0  | 48.0  |
| 71      | 38.4  | 30.1  | 45.1  |

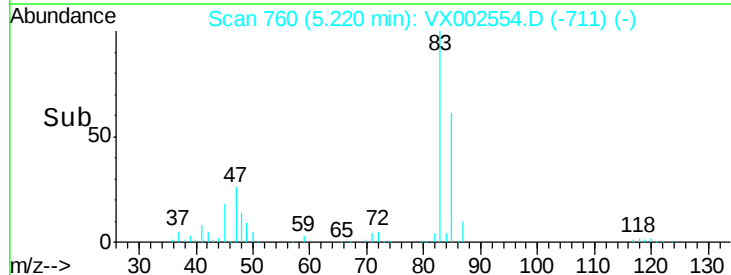
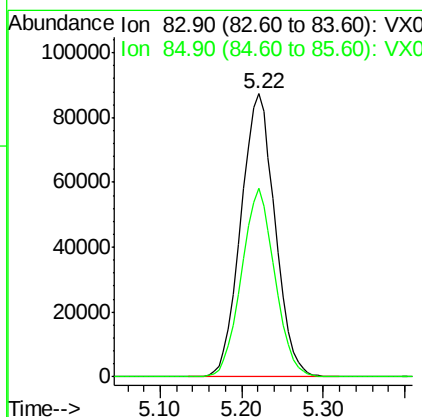
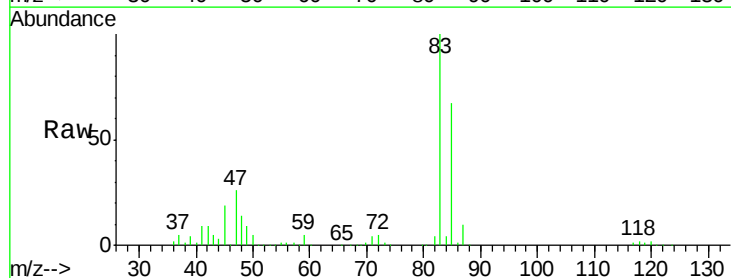
Manual Integrations  
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#30  
Chloroform  
Concen: 47.784 ug/l  
RT: 5.22 min Scan# 760  
Delta R.T. -0.00 min  
Lab File: VX002554.D  
Acq: 14 Jun 2018 16:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 66.7  | 50.4  | 75.6  |





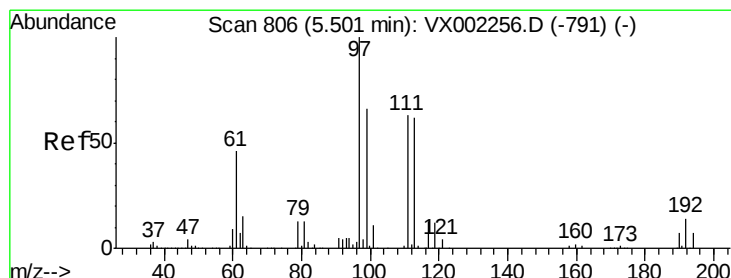
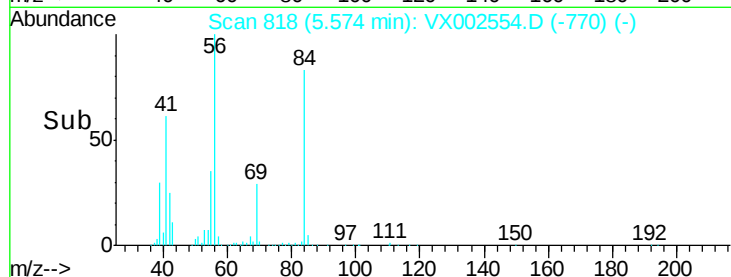
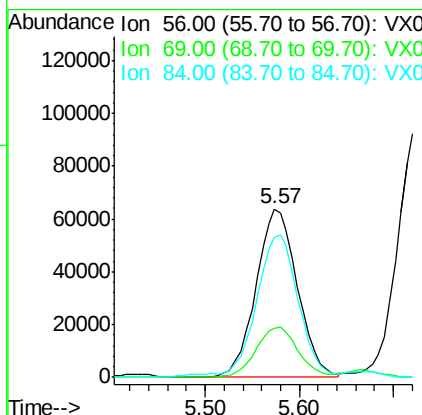
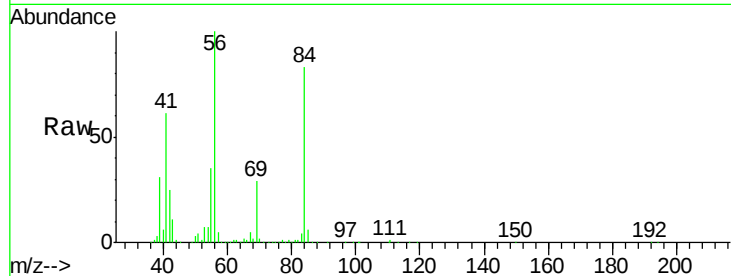
#31  
Cyclohexane  
Concen: 44.653 ug/l  
RT: 5.57 min Scan# 818  
Delta R.T. -0.01 min  
Lab File: VX002554.D  
Acq: 14 Jun 2018 16:19

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS050MW513-180607MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 29.1  | 23.7  | 35.5  |
| 84      | 81.2  | 64.1  | 96.1  |

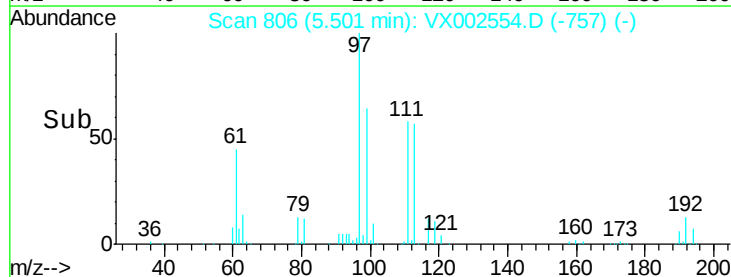
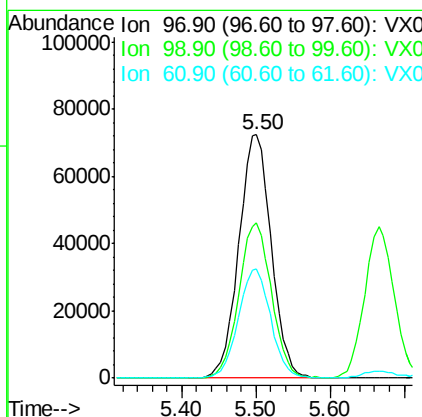
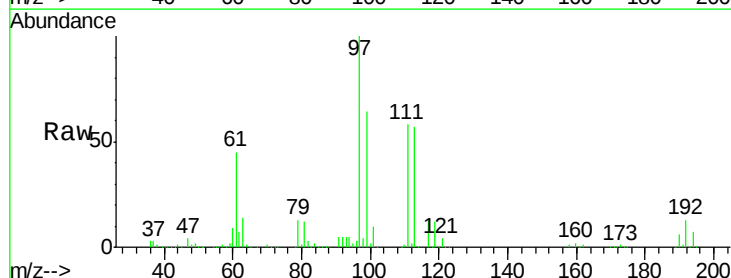
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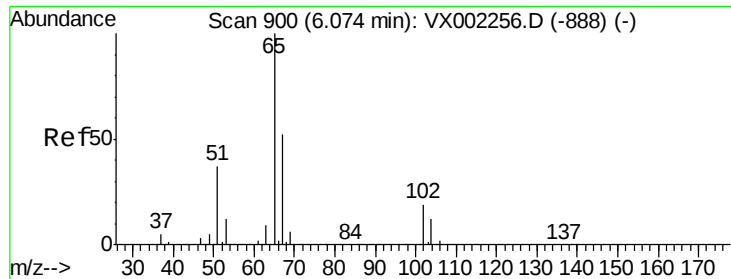
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#32  
1,1,1-Trichloroethane  
Concen: 49.056 ug/l  
RT: 5.50 min Scan# 806  
Delta R.T. -0.00 min  
Lab File: VX002554.D  
Acq: 14 Jun 2018 16:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.2  | 51.6  | 77.4  |
| 61      | 45.0  | 36.4  | 54.6  |





#33

1,2-Dichloroethane-d4

Concen: 45.118 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX002554.D

Acq: 14 Jun 2018 16:19

Instrument :

MSVOA\_X

ClientSampleId :

SS050MW513-180607MSD

Tot Ion: 65 Resp: 157068

Ion Ratio Lower Upper

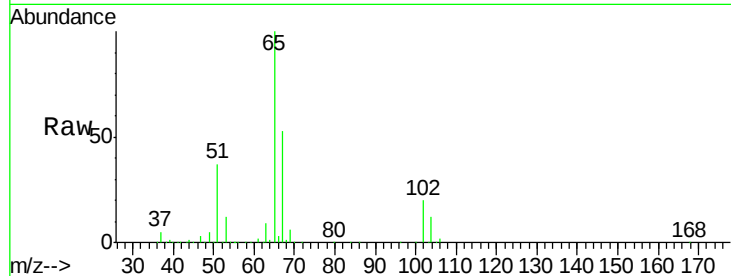
65 100

67 51.7 0.0 102.6

Manual Integrations  
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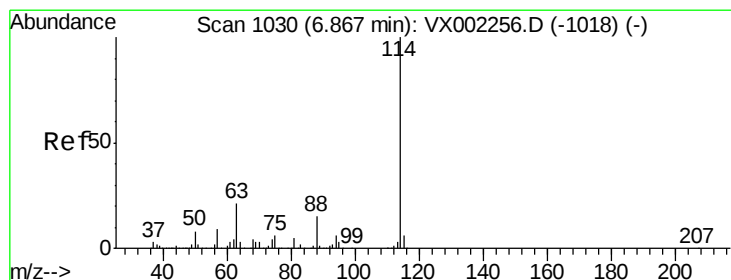
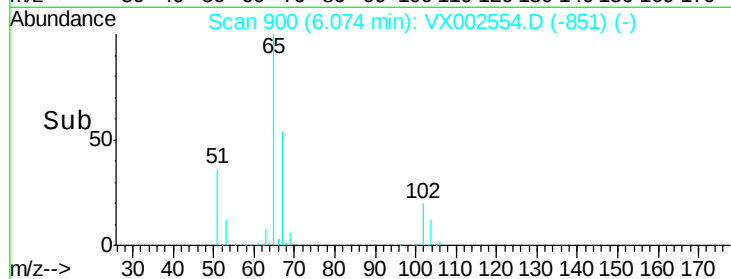
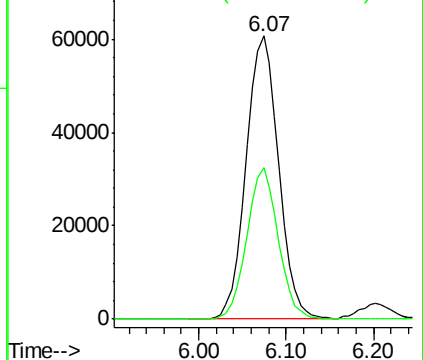
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002554.D

Acq: 14 Jun 2018 16:19

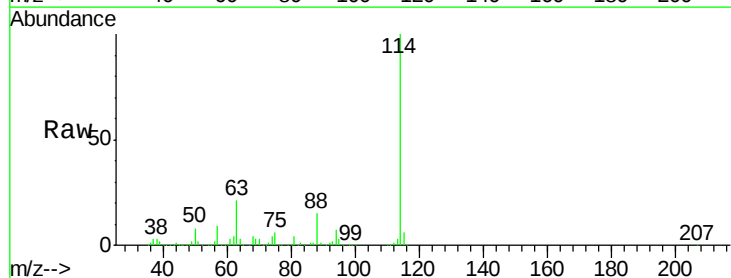
Tgt Ion: 114 Resp: 350412

Ion Ratio Lower Upper

114 100

63 20.8 0.0 41.4

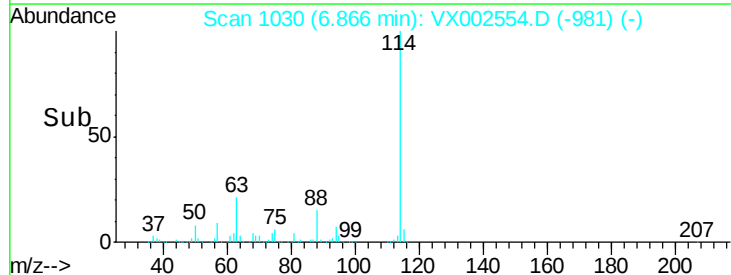
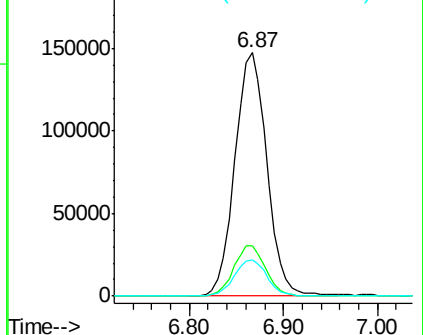
88 15.0 0.0 30.0

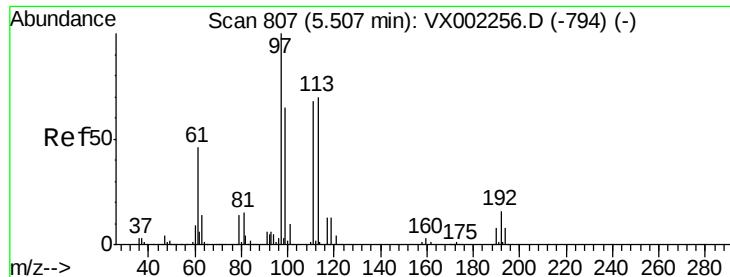


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 45.594 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002554.D

Acq: 14 Jun 2018 16:19

Instrument :

MSVOA\_X

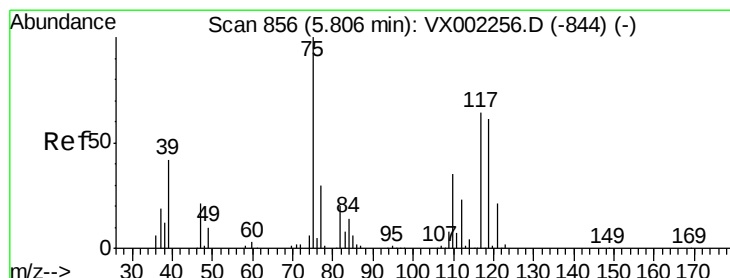
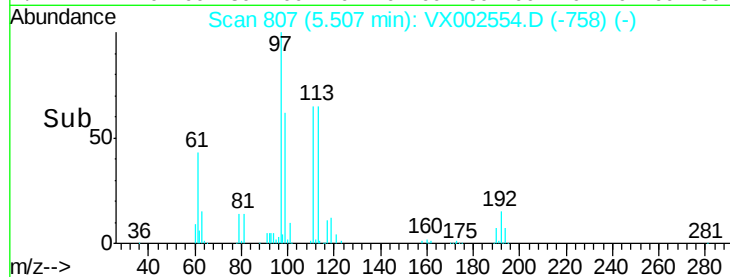
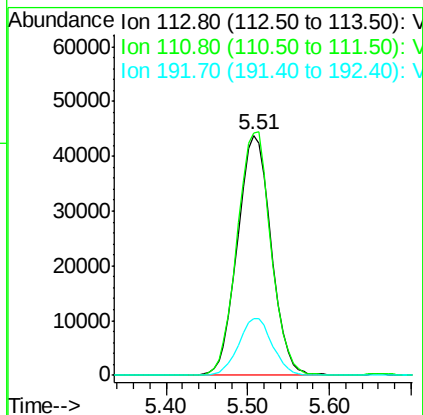
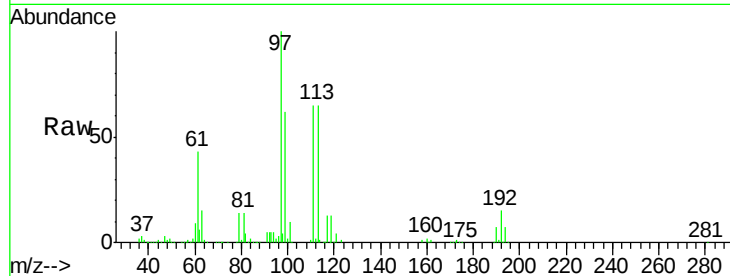
ClientSampleId :

SS050MW513-180607MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 125641 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 102.2 | 81.4  | 122.0  |
| 192       | 23.8  | 19.1  | 28.7   |

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#36

1,1-Dichloropropene

Concen: 48.737 ug/l

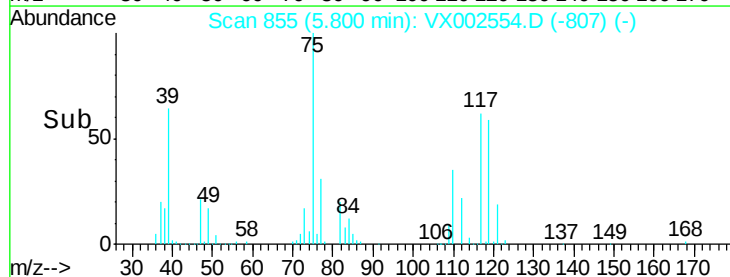
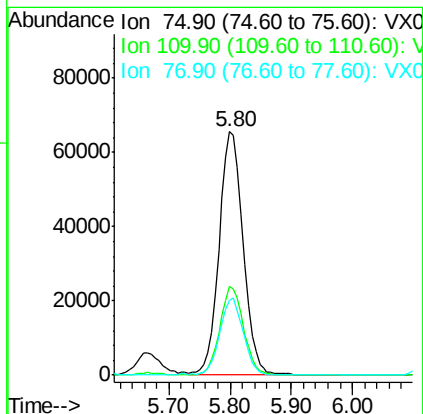
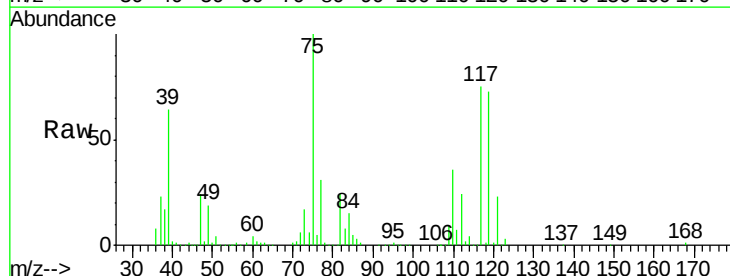
RT: 5.80 min Scan# 855

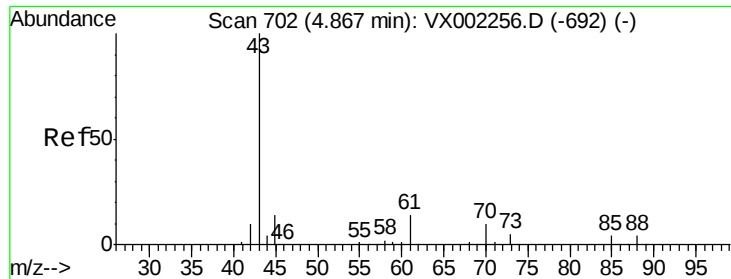
Delta R.T. -0.01 min

Lab File: VX002554.D

Acq: 14 Jun 2018 16:19

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 179540 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 110       | 35.9  | 18.1  | 54.4   |
| 77        | 31.1  | 24.3  | 36.5   |





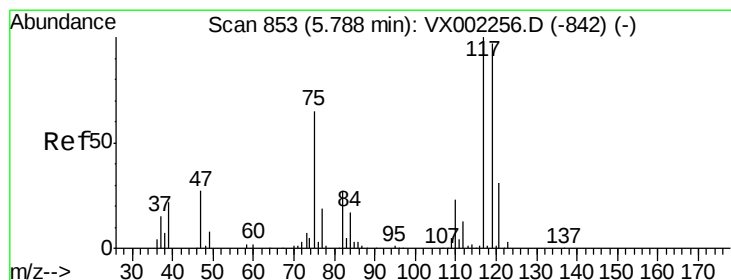
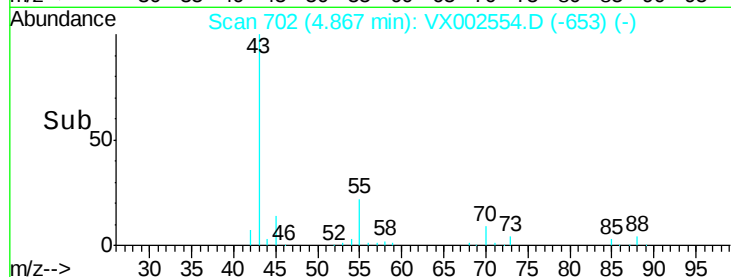
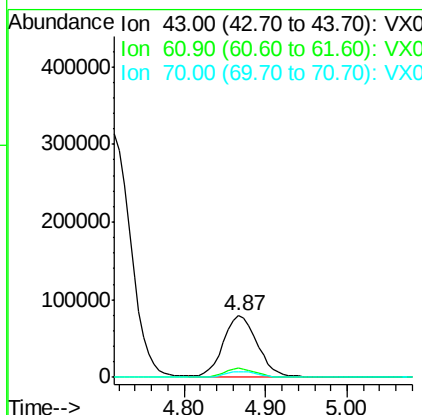
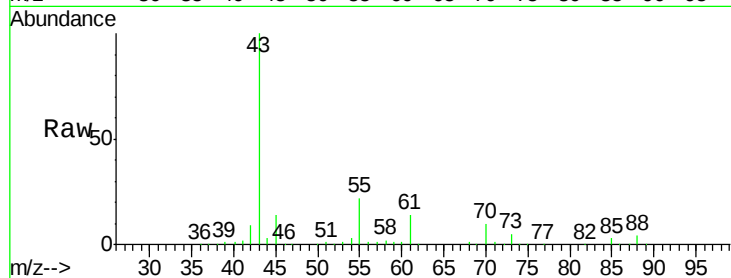
#37  
Ethyl Acetate  
Concen: 52.002 ug/l  
RT: 4.87 min Scan# 702  
Delta R.T. -0.00 min  
Lab File: VX002554.D  
Acq: 14 Jun 2018 16:19

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS050MW513-180607MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.0  | 10.4  | 15.6  |
| 70      | 9.5   | 7.6   | 11.4  |

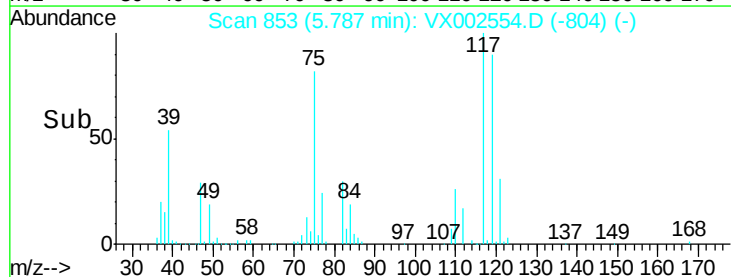
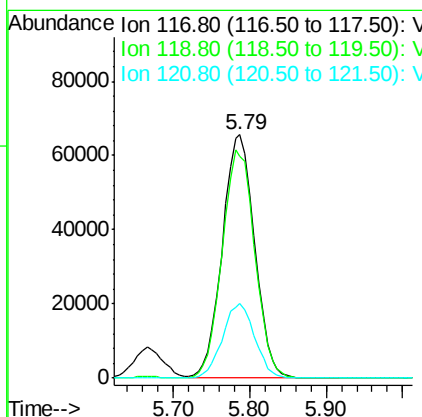
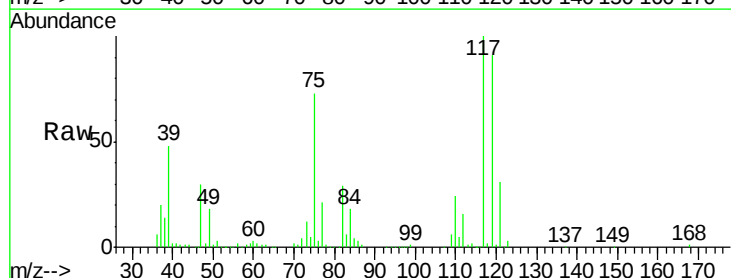
Manual Integrations  
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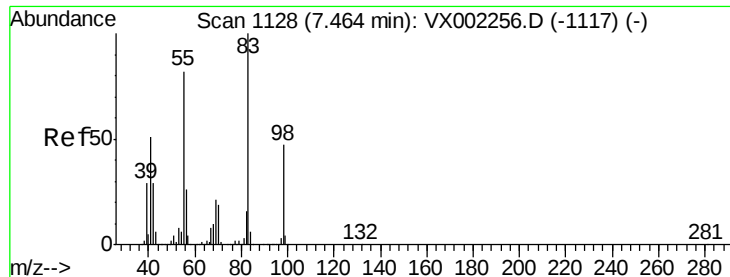
MMDadoda  
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#38  
Carbon Tetrachloride  
Concen: 49.835 ug/l  
RT: 5.79 min Scan# 853  
Delta R.T. -0.00 min  
Lab File: VX002554.D  
Acq: 14 Jun 2018 16:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 91.1  | 77.4  | 116.0 |
| 121     | 30.6  | 24.4  | 36.6  |





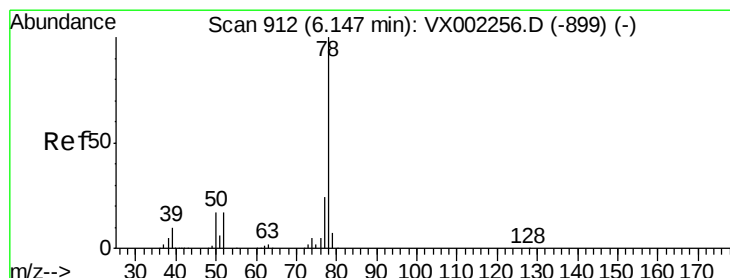
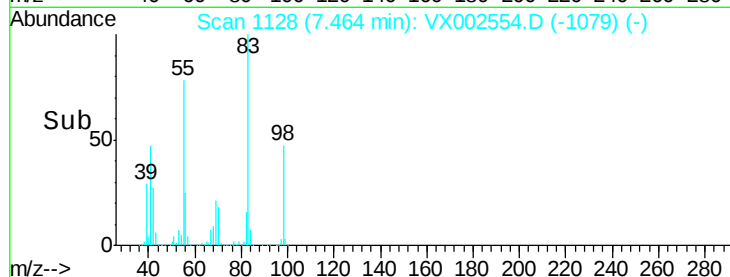
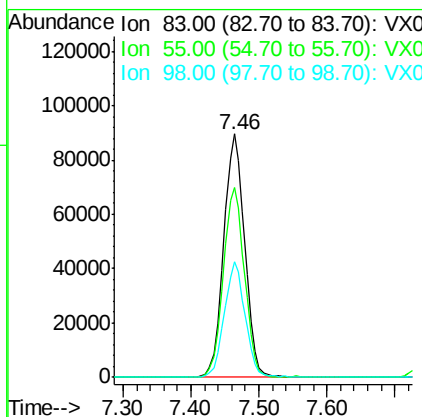
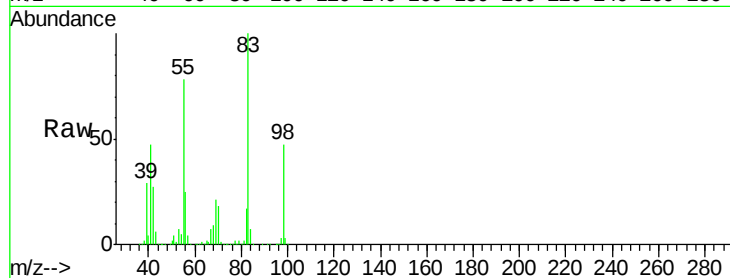
#39  
Methvlcvclohexane  
Concen: 42.150 ug/l  
RT: 7.46 min Scan# 1128  
Delta R.T. -0.00 min  
Lab File: VX002554.D  
Acq: 14 Jun 2018 16:19

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS050MW513-180607MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 77.7  | 65.4  | 98.0  |
| 98      | 47.4  | 37.4  | 56.0  |

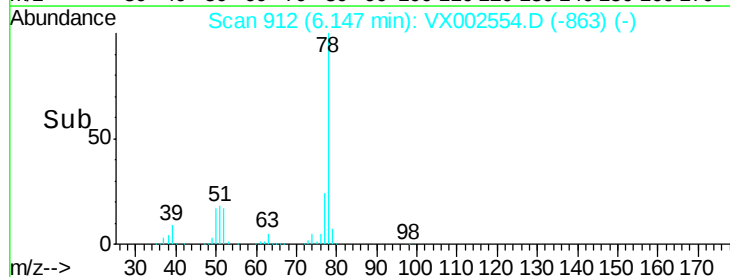
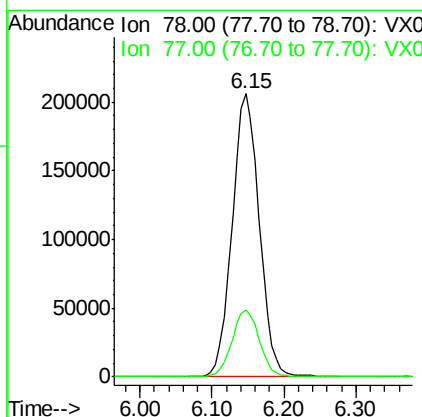
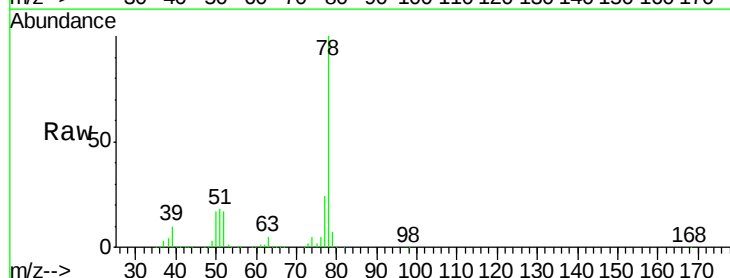
Manual Integrations  
APPROVED

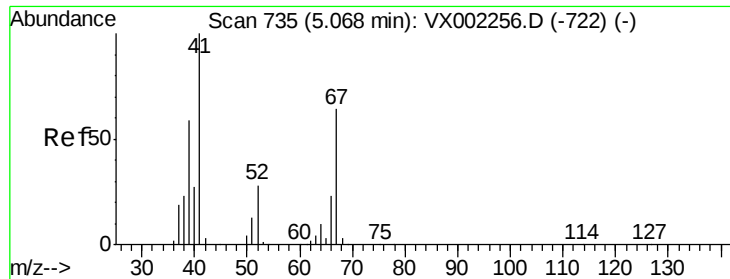
MMDadoda  
6/15/2018 1:11:52 PM



#40  
Benzene  
Concen: 47.669 ug/l  
RT: 6.15 min Scan# 912  
Delta R.T. -0.00 min  
Lab File: VX002554.D  
Acq: 14 Jun 2018 16:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.9  | 19.1  | 28.7  |





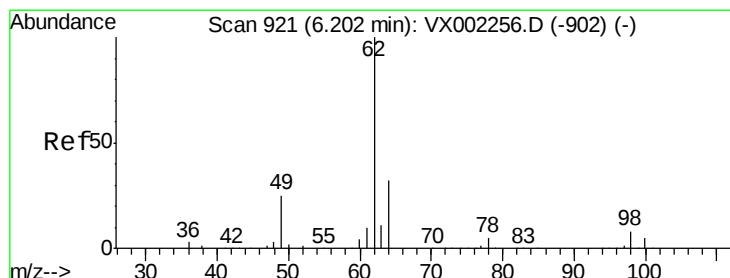
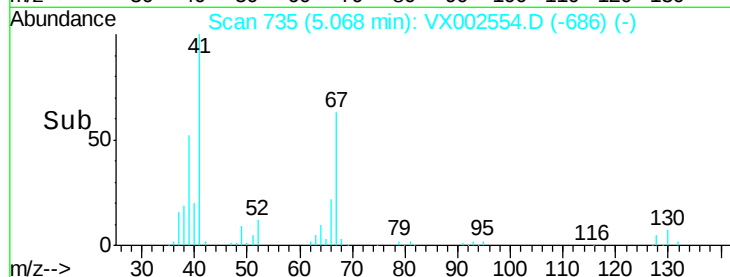
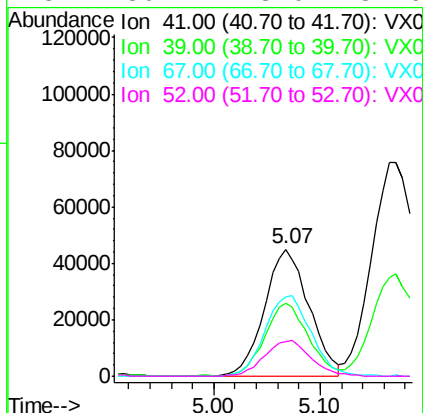
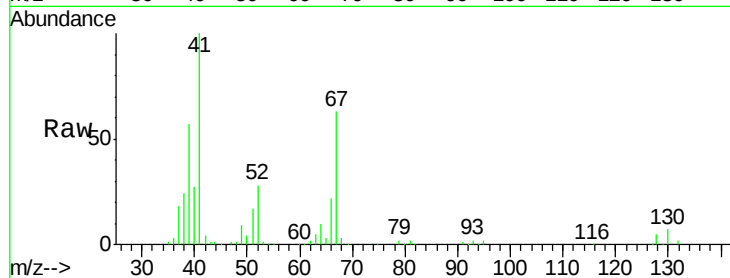
#41  
Methacrylonitrile  
Concen: 51.221 ug/l  
RT: 5.07 min Scan# 735  
Delta R.T. -0.00 min  
Lab File: VX002554.D  
Acq: 14 Jun 2018 16:19

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS050MW513-180607MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 56.1  | 45.8  | 68.6  |
| 67      | 66.2  | 51.3  | 76.9  |
| 52      | 30.1  | 23.0  | 34.6  |

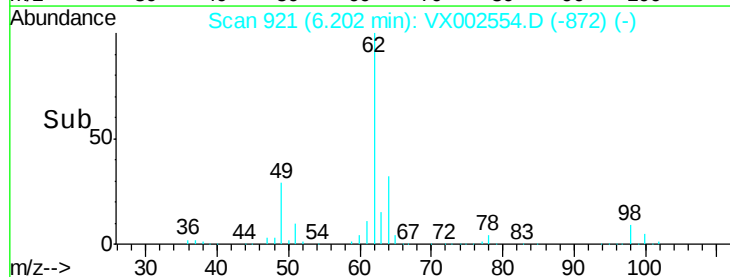
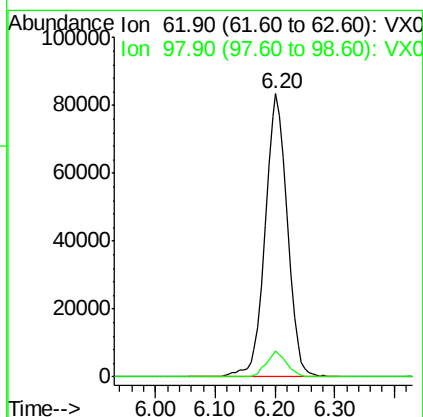
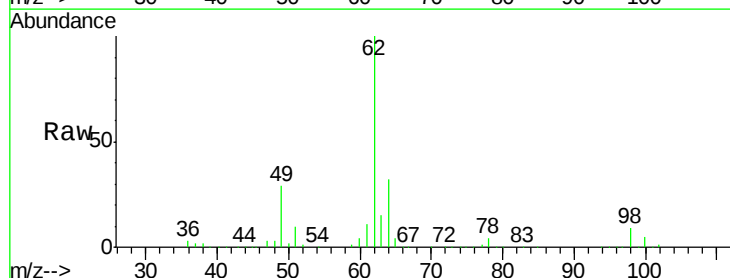
Manual Integrations  
APPROVED

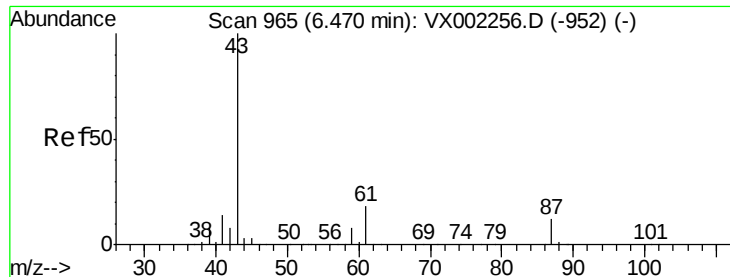
MMDadoda  
6/15/2018 1:11:52 PM



#42  
1,2-Dichloroethane  
Concen: 48.153 ug/l  
RT: 6.20 min Scan# 921  
Delta R.T. -0.00 min  
Lab File: VX002554.D  
Acq: 14 Jun 2018 16:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 8.3   | 0.0   | 16.6  |





#43

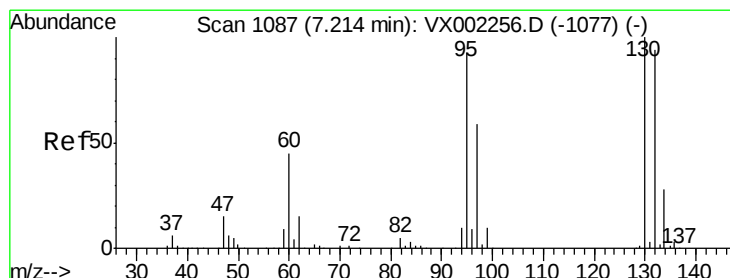
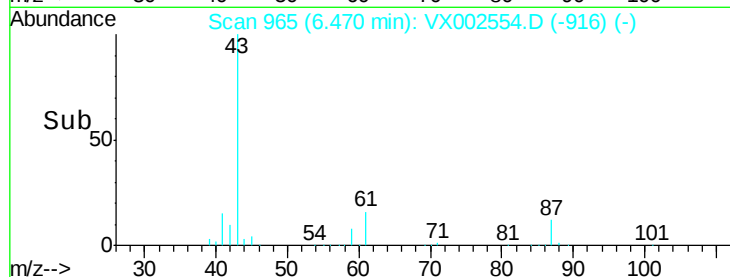
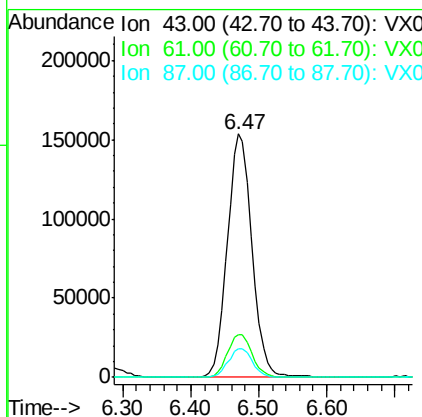
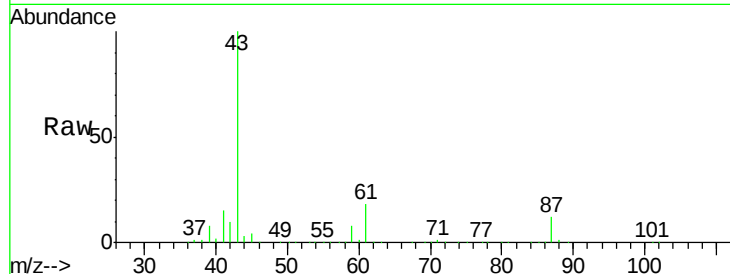
Isopropyl Acetate  
 Concen: 50.849 ug/l  
 RT: 6.47 min Scan# 965  
 Delta R.T. -0.00 min  
 Lab File: VX002554.D  
 Acq: 14 Jun 2018 16:19

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS050MW513-180607MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 18.0  | 14.4  | 21.6  |
| 87      | 12.0  | 9.5   | 14.3  |

Manual Integrations  
 APPROVED

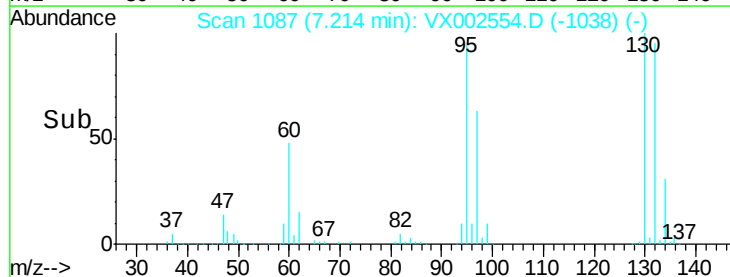
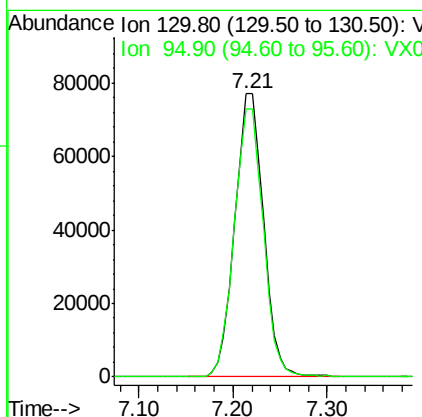
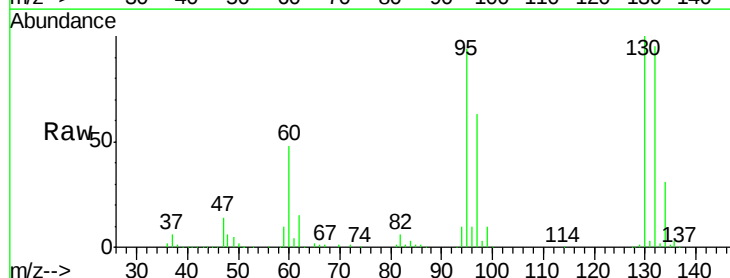
MMDadoda  
 6/15/2018 1:11:52 PM

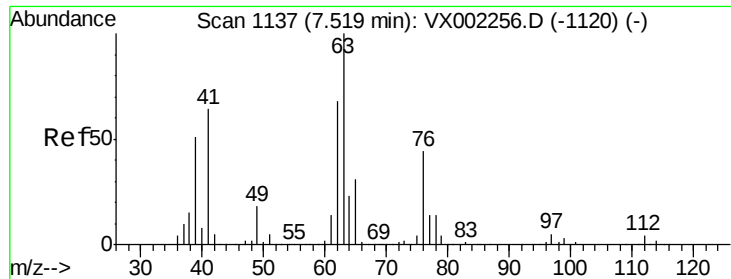


#44

Trichloroethene  
 Concen: 52.395 ug/l  
 RT: 7.21 min Scan# 1087  
 Delta R.T. -0.00 min  
 Lab File: VX002554.D  
 Acq: 14 Jun 2018 16:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 94.5  | 0.0   | 185.4 |





#45

1,2-Dichloropropane

Concen: 47.700 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX002554.D

Acq: 14 Jun 2018 16:19

Instrument :

MSVOA\_X

ClientSampleId :

SS050MW513-180607MSD

Tot Ion: 63 Resp: 145453

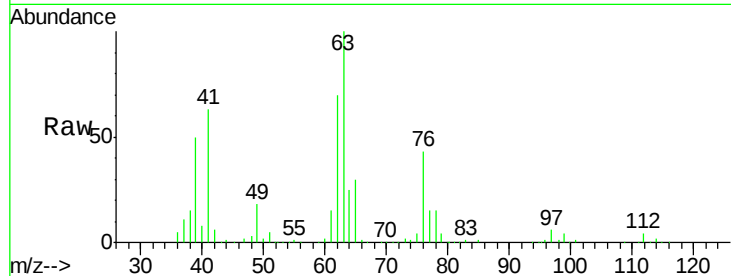
Ion Ratio Lower Upper

63 100

65 30.4 24.7 37.1

Manual Integrations  
APPROVED

MMDadoda  
6/15/2018 1:11:52 PM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.52

80000

60000

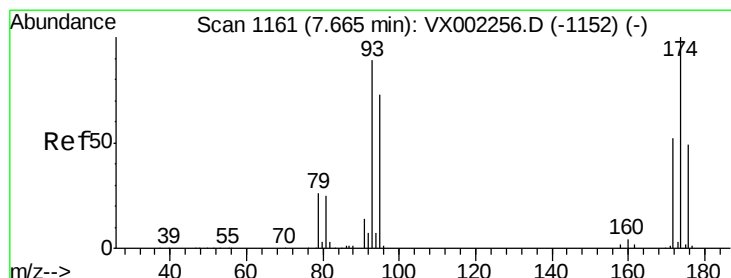
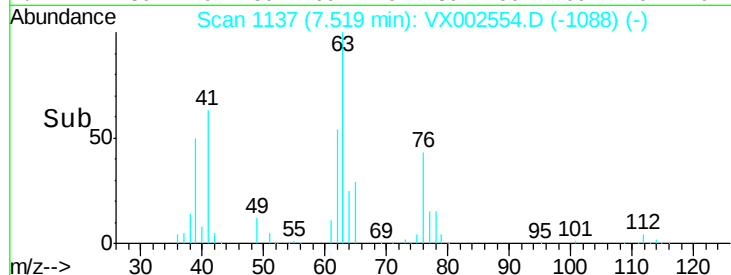
40000

20000

0

7.40 7.50 7.60

Time-->



#46

Dibromomethane

Concen: 48.244 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX002554.D

Acq: 14 Jun 2018 16:19

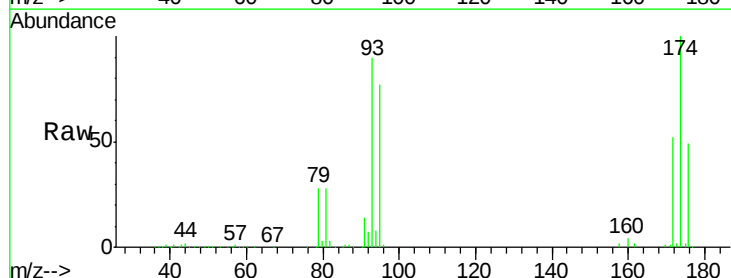
Tgt Ion: 93 Resp: 99728

Ion Ratio Lower Upper

93 100

95 83.2 65.9 98.9

174 116.0 92.4 138.6



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

80000

60000

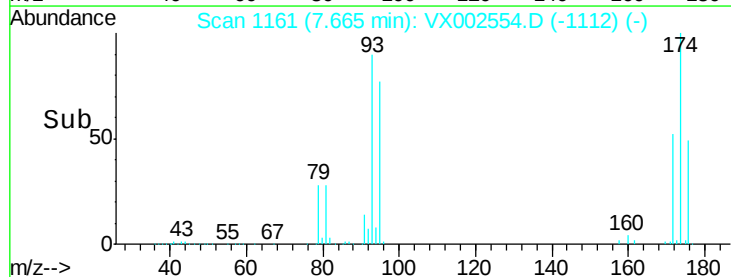
40000

20000

0

7.60 7.70 7.80

Time-->





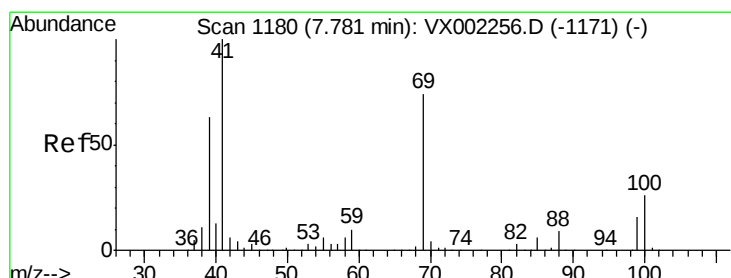
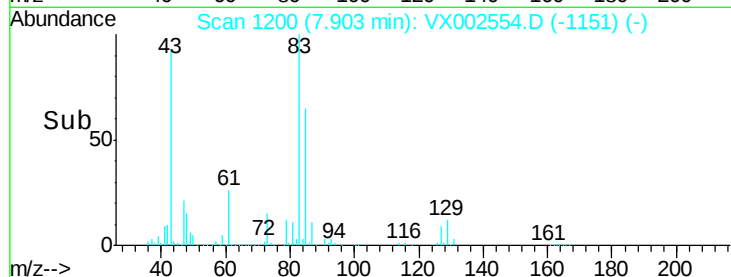
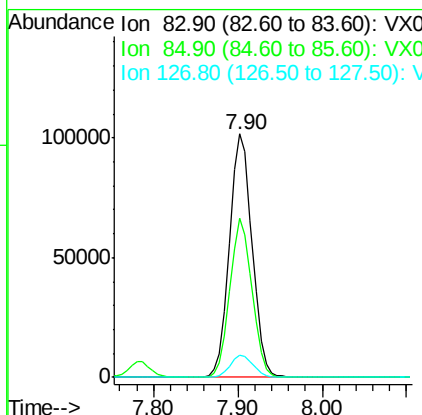
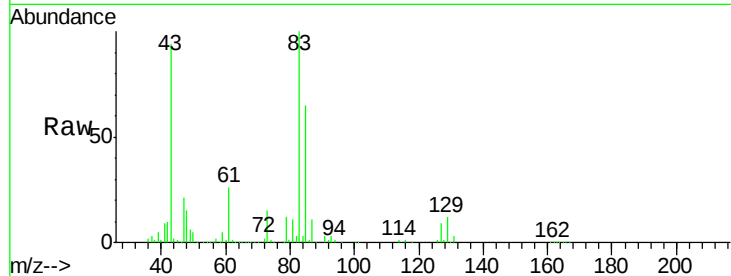
#47  
Bromodichloromethane  
Concen: 49.602 ug/l  
RT: 7.90 min Scan# 1200  
Delta R.T. -0.00 min  
Lab File: VX002554.D  
Acq: 14 Jun 2018 16:19

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS050MW513-180607MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 185445 |       |       |
| 85      | 65.3  | 50.3   | 75.5  |       |
| 127     | 9.1   | 7.0    | 10.4  |       |

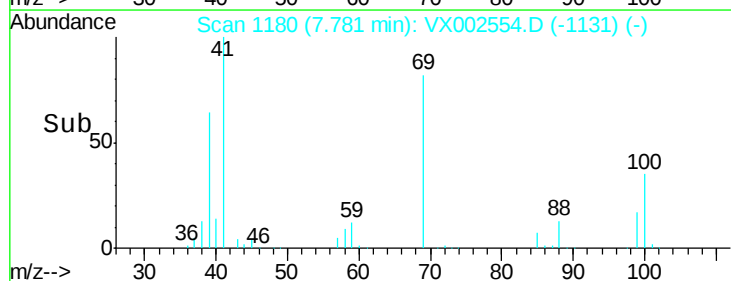
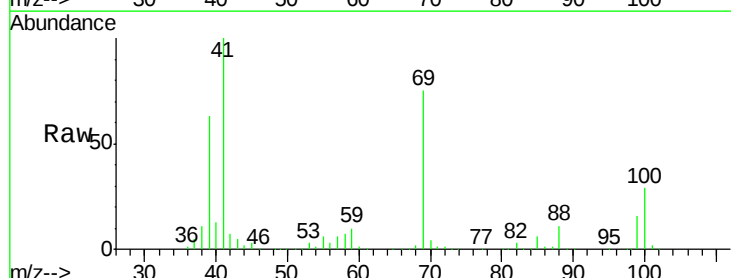
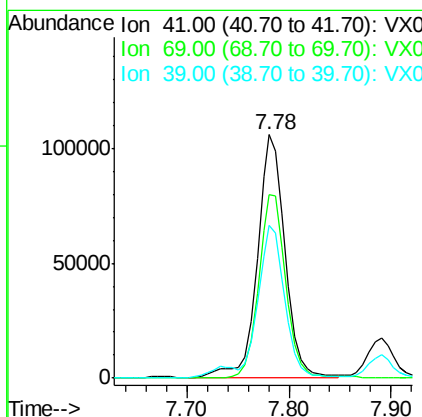
Manual Integrations  
APPROVED

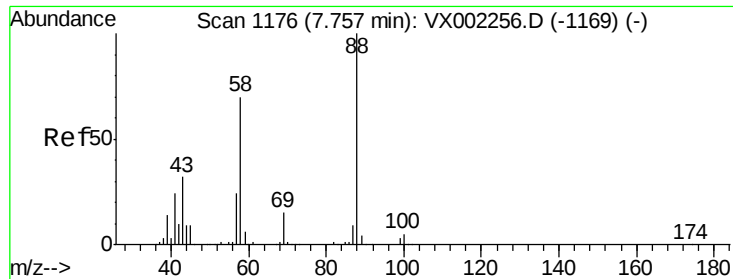
MMDadoda  
6/15/2018 1:11:52 PM



#48  
Methyl methacrylate  
Concen: 52.501 ug/l  
RT: 7.78 min Scan# 1180  
Delta R.T. -0.00 min  
Lab File: VX002554.D  
Acq: 14 Jun 2018 16:19

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 41      | 100   | 198440 |       |       |
| 69      | 75.0  | 59.1   | 88.7  |       |
| 39      | 59.1  | 48.9   | 73.3  |       |





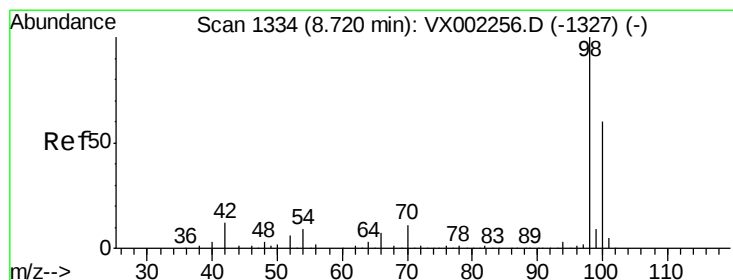
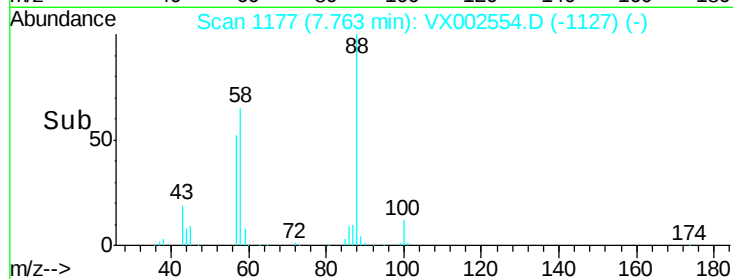
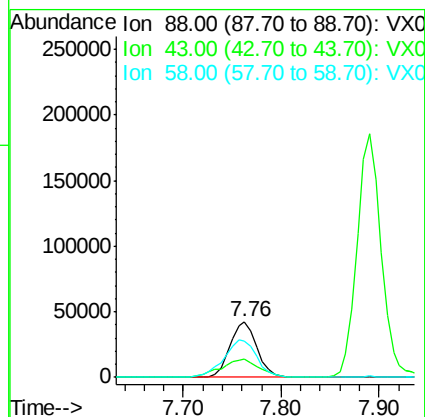
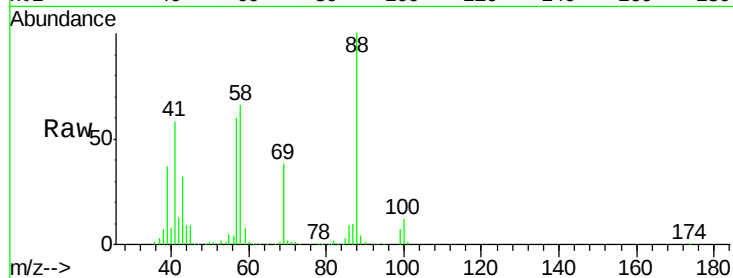
#49  
1,4-Dioxane  
Concen: 1139.649 ug/l  
RT: 7.76 min Scan# 1177  
Delta R.T. 0.01 min  
Lab File: VX002554.D  
Acq: 14 Jun 2018 16:19

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS050MW513-180607MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 45.0  | 29.8  | 44.6# |
| 58      | 82.4  | 57.1  | 85.7  |

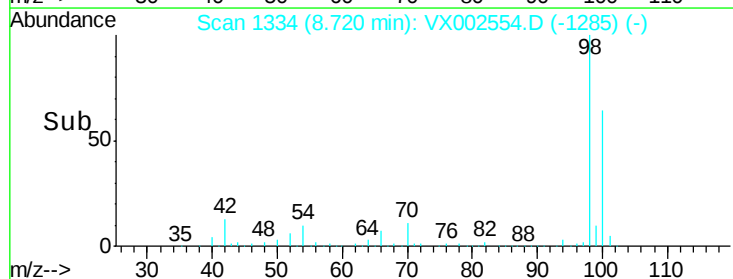
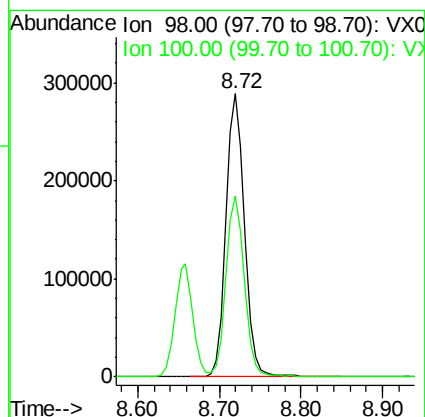
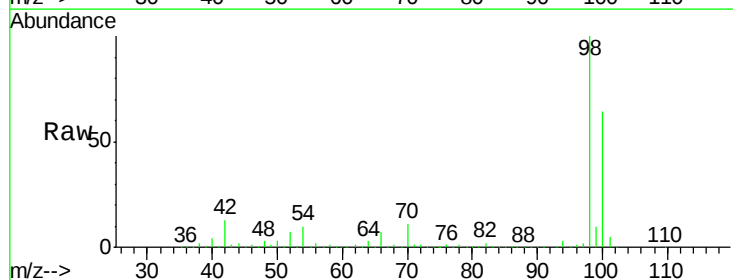
Manual Integrations  
APPROVED

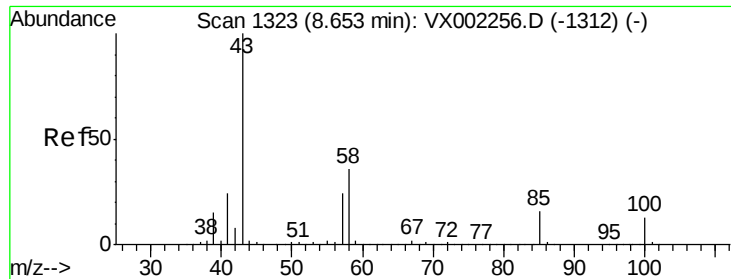
MMDadoda  
6/15/2018 1:11:52 PM



#50  
Toluene-d8  
Concen: 42.600 ug/l  
RT: 8.72 min Scan# 1334  
Delta R.T. -0.00 min  
Lab File: VX002554.D  
Acq: 14 Jun 2018 16:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.0  | 50.9  | 76.3  |





#51

4-Methyl-2-Pentanone

Concen: 276.879 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX002554.D

Acq: 14 Jun 2018 16:19

Instrument :

MSVOA\_X

ClientSampleId :

SS050MW513-180607MSD

Tot Ion: 43 Resp: 1297460

Ion Ratio Lower Upper

43 100

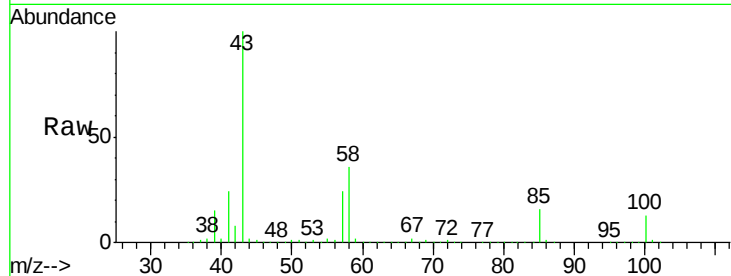
58 36.0 28.6 42.8

Manual Integrations

APPROVED

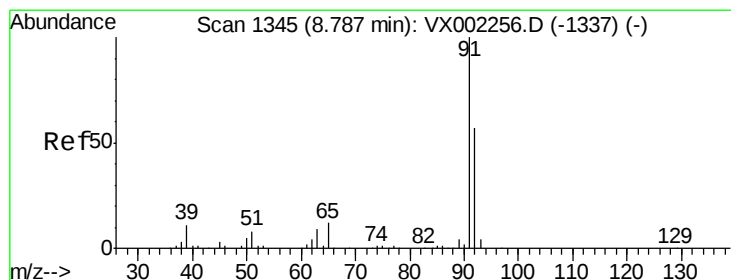
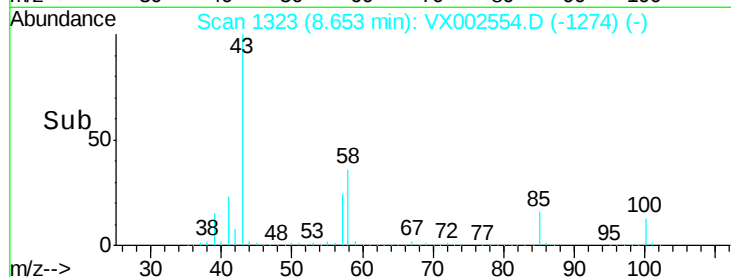
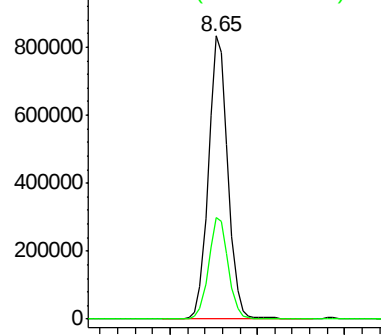
MMDadoda

6/15/2018 1:11:52 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 47.962 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002554.D

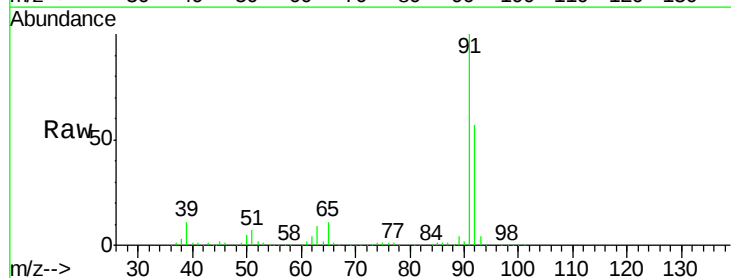
Acq: 14 Jun 2018 16:19

Tgt Ion: 92 Resp: 344555

Ion Ratio Lower Upper

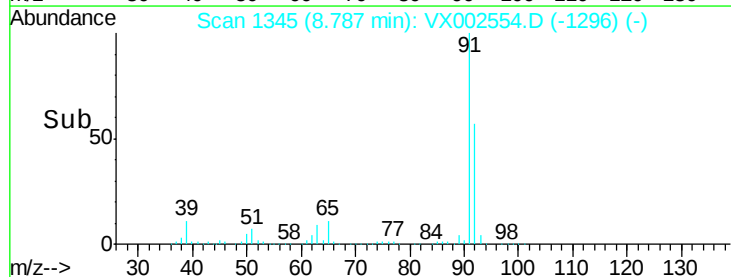
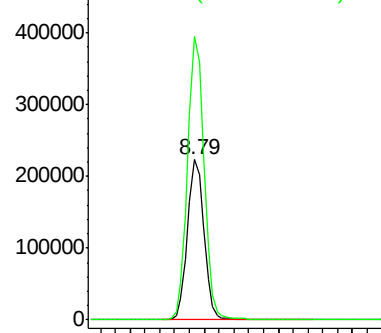
92 100

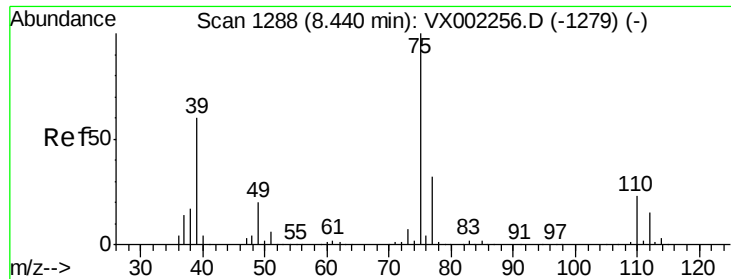
91 176.2 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





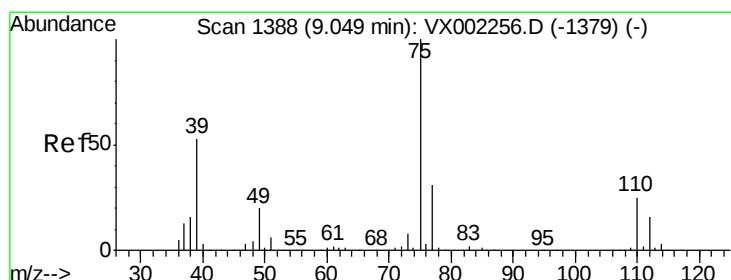
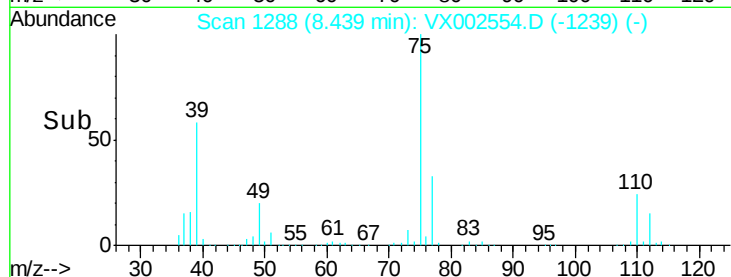
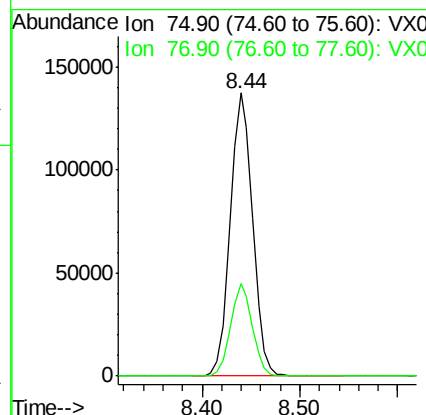
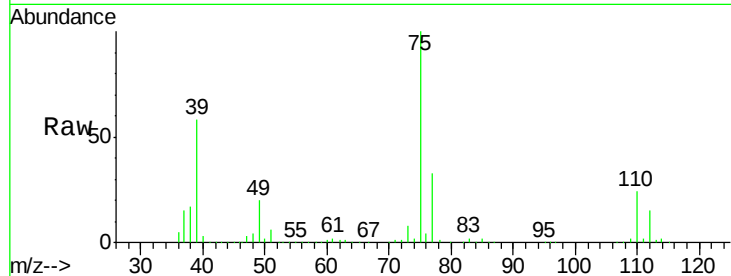
#53  
 t-1,3-Dichloropropene  
 Concen: 48.404 ug/l  
 RT: 8.44 min Scan# 1288  
 Delta R.T. -0.00 min  
 Lab File: VX002554.D  
 Acq: 14 Jun 2018 16:19

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS050MW513-180607MSD

Tot Ion: 75 Resp: 217016  
 Ion Ratio Lower Upper  
 75 100  
 77 32.8 25.4 38.2

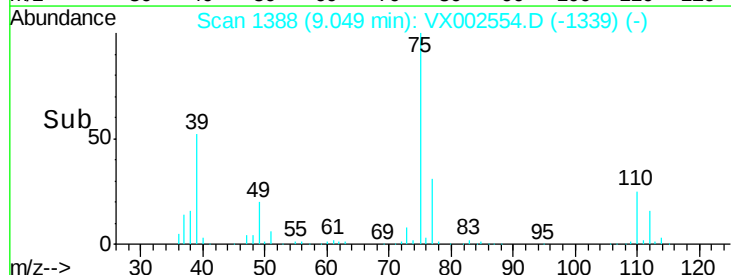
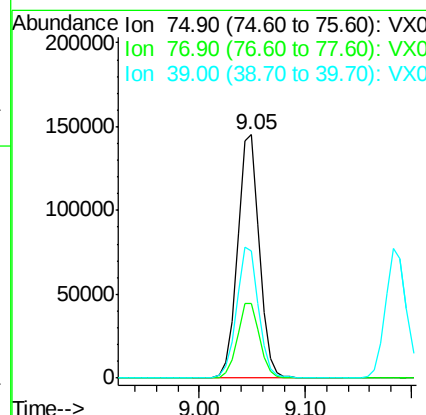
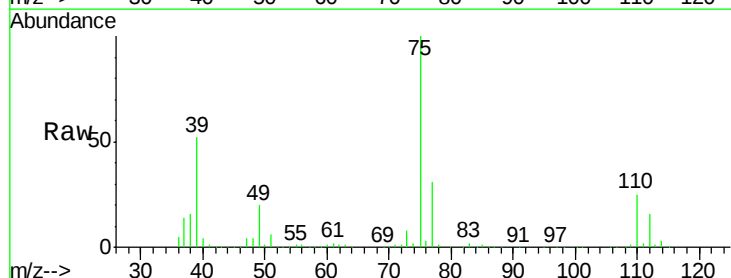
Manual Integrations  
 APPROVED

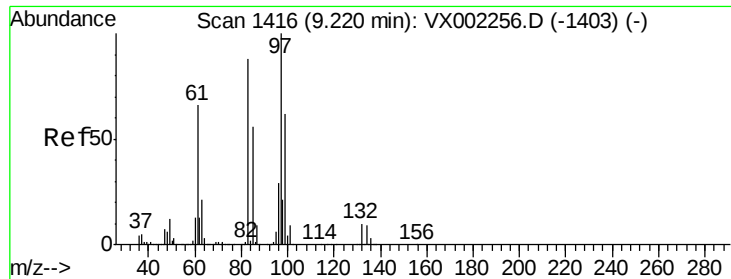
MMDadoda  
 6/15/2018 1:11:52 PM



#54  
 cis-1,3-Dichloropropene  
 Concen: 49.198 ug/l  
 RT: 9.05 min Scan# 1388  
 Delta R.T. -0.00 min  
 Lab File: VX002554.D  
 Acq: 14 Jun 2018 16:19

Tgt Ion: 75 Resp: 208101  
 Ion Ratio Lower Upper  
 75 100  
 77 30.8 24.8 37.2  
 39 51.8 42.4 63.6





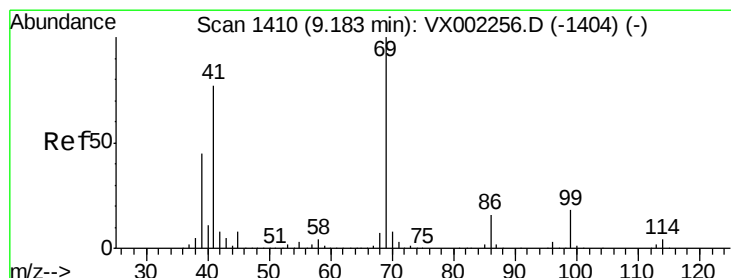
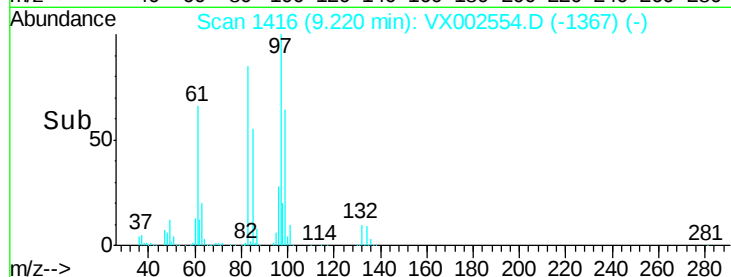
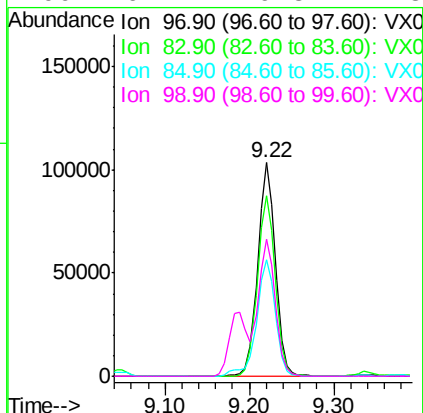
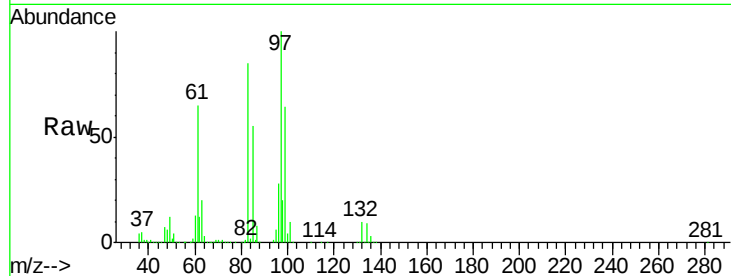
#55  
 1,1,2-Trichloroethane  
 Concen: 50.072 ug/l  
 RT: 9.22 min Scan# 1416  
 Delta R.T. -0.00 min  
 Lab File: VX002554.D  
 Acq: 14 Jun 2018 16:19

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS050MW513-180607MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 147949 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 84.6  | 70.2  | 105.2  |
| 85       | 54.5  | 44.9  | 67.3   |
| 99       | 64.2  | 49.8  | 74.8   |

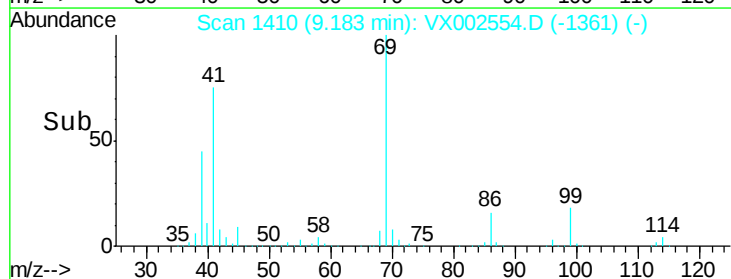
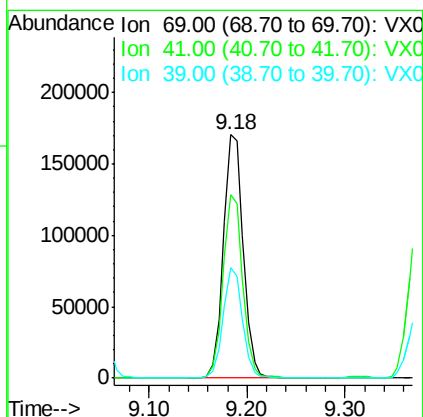
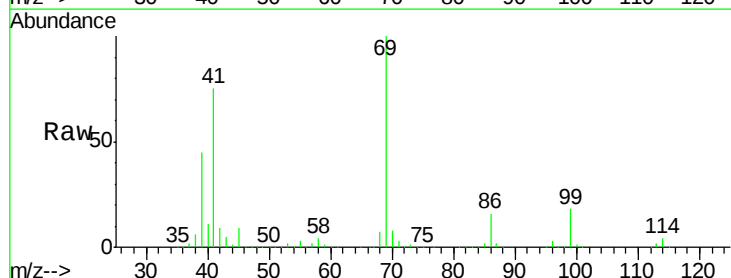
Manual Integrations  
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#56  
 Ethyl methacrylate  
 Concen: 50.919 ug/l  
 RT: 9.18 min Scan# 1410  
 Delta R.T. -0.00 min  
 Lab File: VX002554.D  
 Acq: 14 Jun 2018 16:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 240199 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 73.7  | 60.3  | 90.5   |
| 39       | 43.9  | 35.8  | 53.8   |





#57

1,3-Dichloropropane

Concen: 48.894 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX002554.D

Acq: 14 Jun 2018 16:19

Instrument :

MSVOA\_X

ClientSampleId :

SS050MW513-180607MSD

Tot Ion: 76 Resp: 242361

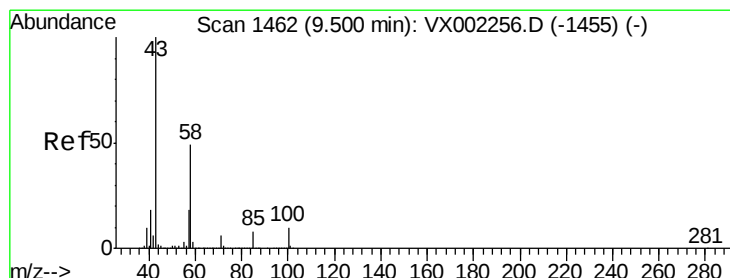
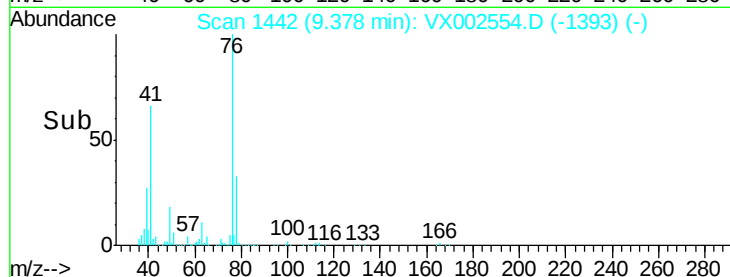
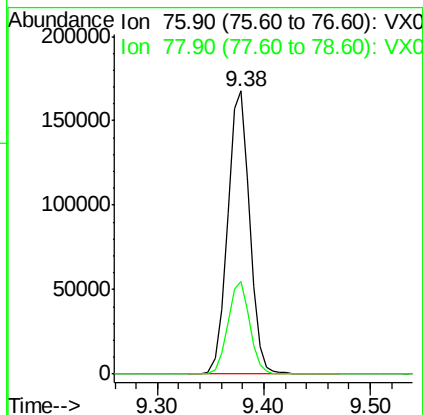
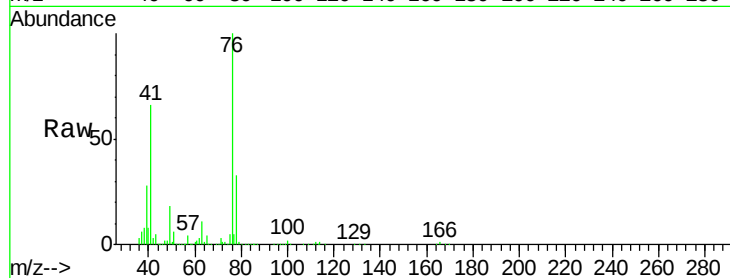
Ion Ratio Lower Upper

76 100

78 32.5 25.8 38.6

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#59

2-Hexanone

Concen: 276.343 ug/l

RT: 9.50 min Scan# 1462

Delta R.T. -0.00 min

Lab File: VX002554.D

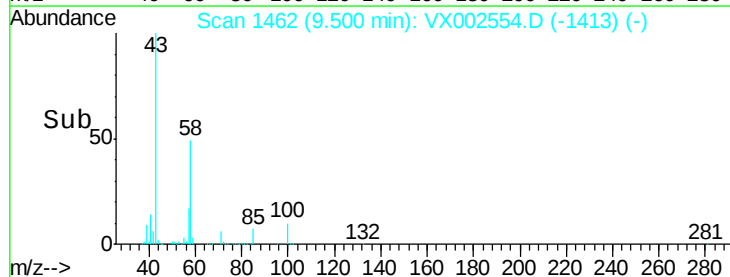
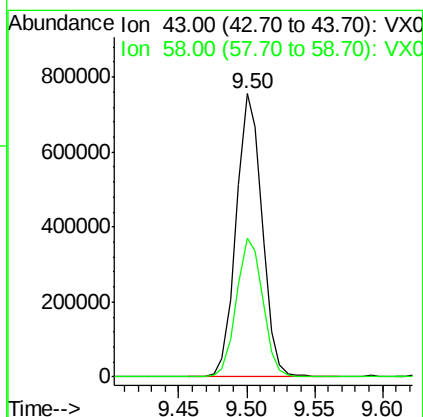
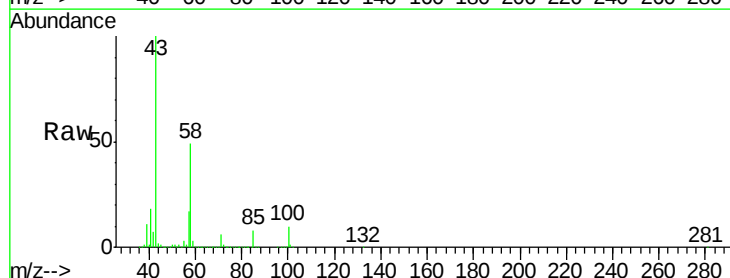
Acq: 14 Jun 2018 16:19

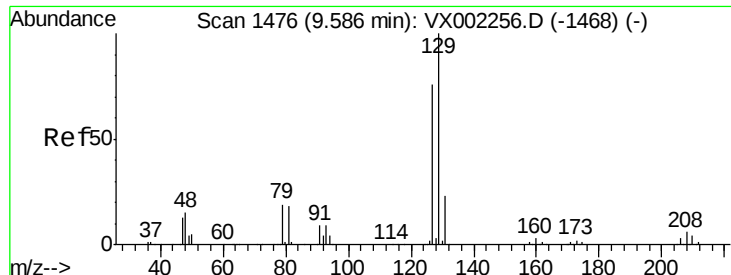
Tgt Ion: 43 Resp: 1000225

Ion Ratio Lower Upper

43 100

58 50.0 24.6 73.6





#60

Dibromochloromethane

Concen: 52.086 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.00 min

Lab File: VX002554.D

Acq: 14 Jun 2018 16:19

Instrument :

MSVOA\_X

ClientSampleId :

SS050MW513-180607MSD

Tot Ion:129 Resp: 154797

Ion Ratio Lower Upper

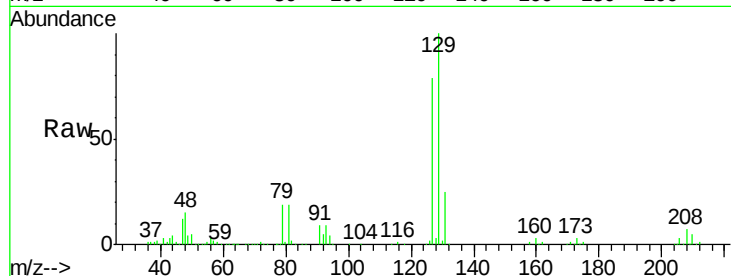
129 100

127 77.3 38.5 115.3

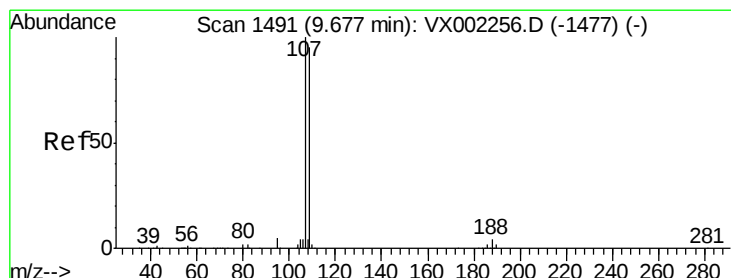
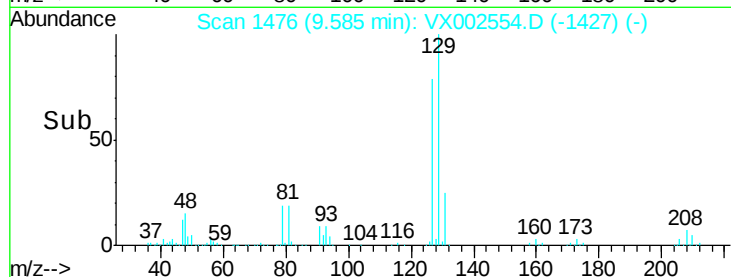
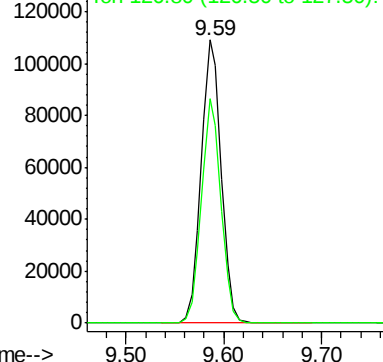
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Abundance Ion 128.80 (128.50 to 129.50): V  
Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 50.897 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002554.D

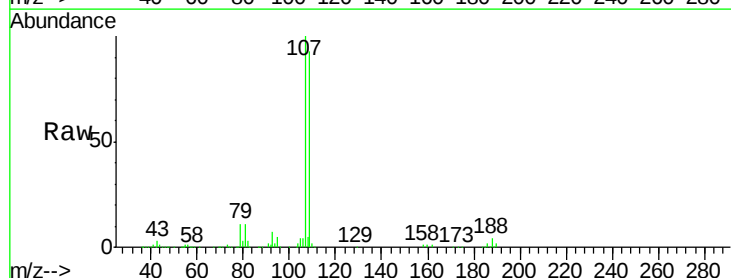
Acq: 14 Jun 2018 16:19

Tgt Ion:107 Resp: 156804

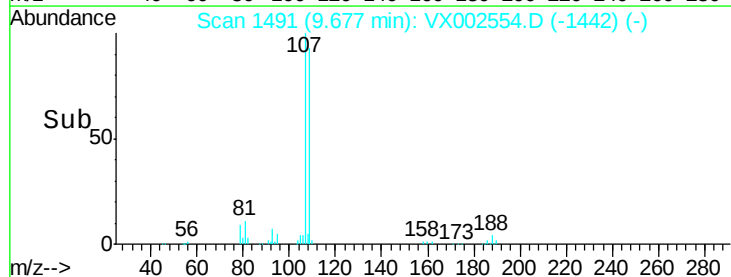
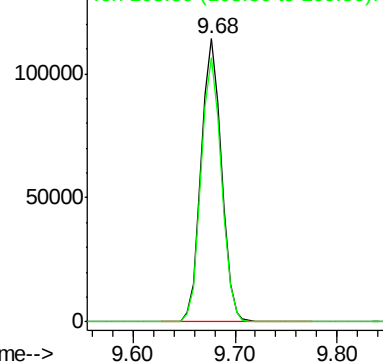
Ion Ratio Lower Upper

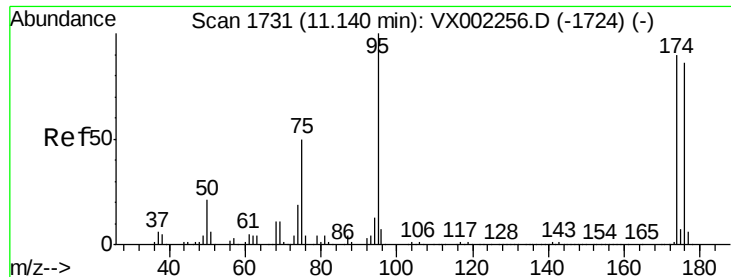
107 100

109 93.4 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V  
Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 43.825 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002554.D

Acq: 14 Jun 2018 16:19

Instrument :

MSVOA\_X

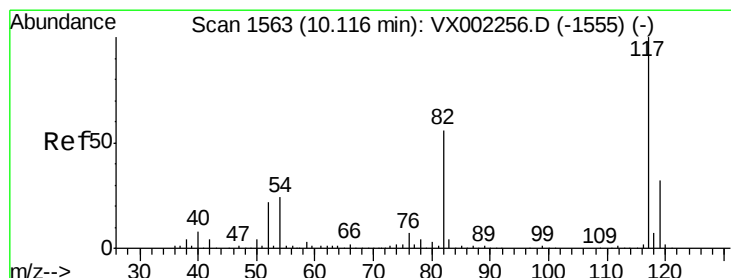
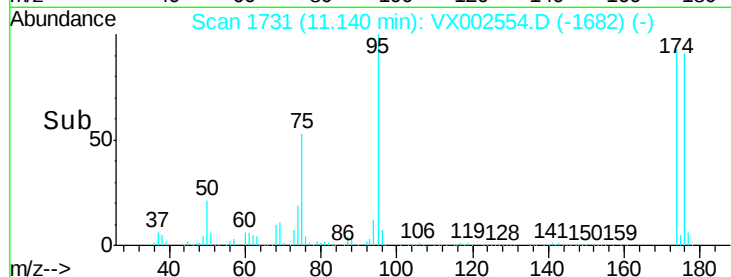
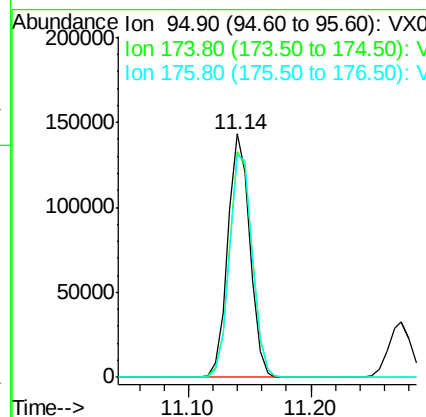
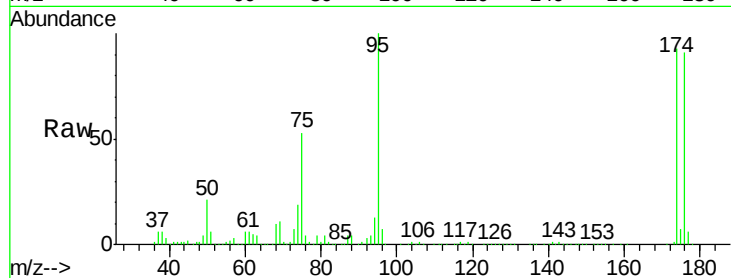
ClientSampleId :

SS050MW513-180607MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 95    | Resp: | 178499 |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 174      | 95.1  | 0.0   | 187.4  |
| 176      | 94.4  | 0.0   | 181.0  |

Manual Integrations  
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

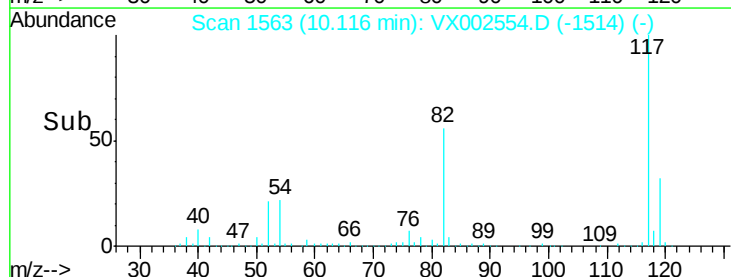
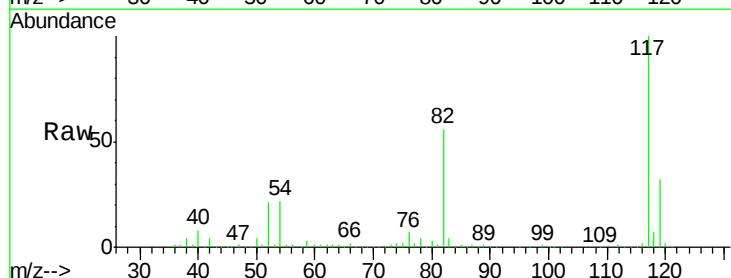
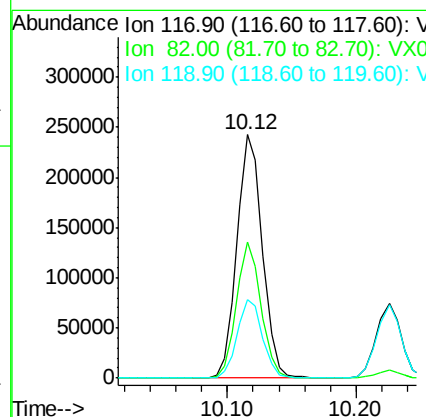
RT: 10.12 min Scan# 1563

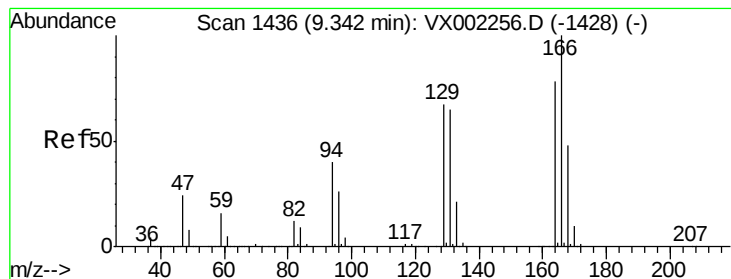
Delta R.T. -0.00 min

Lab File: VX002554.D

Acq: 14 Jun 2018 16:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 334747 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 56.0  | 45.0  | 67.4   |
| 119      | 32.4  | 25.8  | 38.6   |





#64

Tetrachloroethene

Concen: 39.703 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.00 min

Lab File: VX002554.D

Acq: 14 Jun 2018 16:19

Instrument :

MSVOA\_X

ClientSampleId :

SS050MW513-180607MSD

Tot Ion:164 Resp: 137069

Ion Ratio Lower Upper

164 100

166 129.4 102.9 154.3

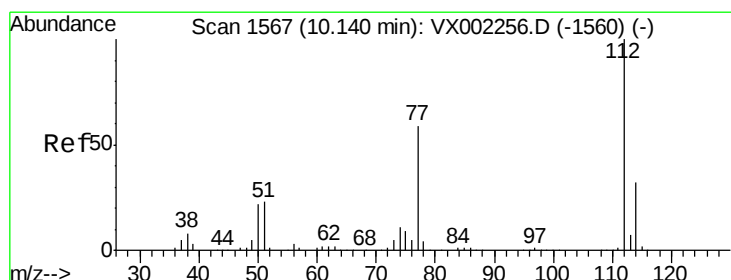
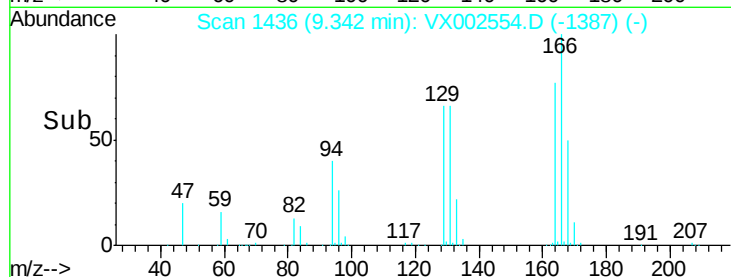
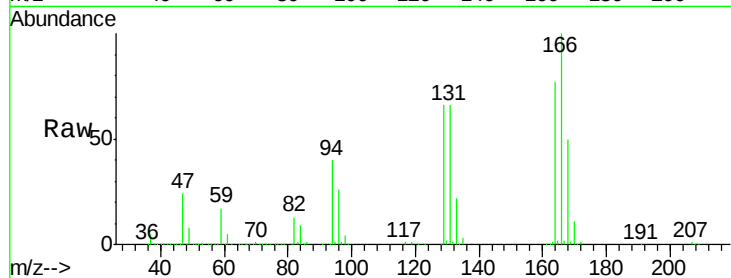
129 85.2 68.6 102.8

131 85.0 66.8 100.2

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#65

Chlorobenzene

Concen: 48.676 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX002554.D

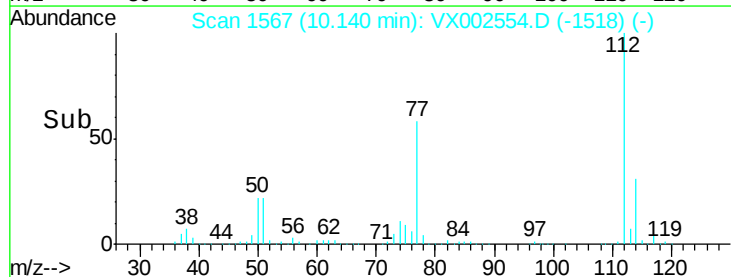
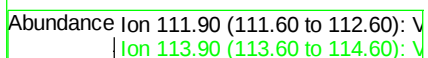
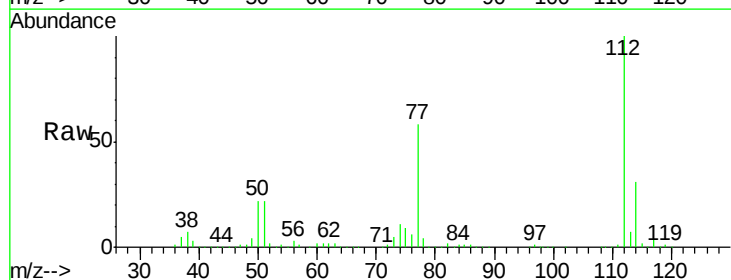
Acq: 14 Jun 2018 16:19

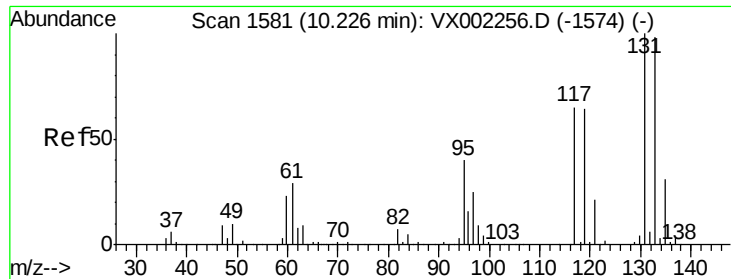
Tgt Ion:112 Resp: 405447

Ion Ratio Lower Upper

112 100

114 31.5 25.3 37.9





#66

1,1,1,2-Tetrachloroethane

Concen: 50.355 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX002554.D

Acq: 14 Jun 2018 16:19

Instrument :

MSVOA\_X

ClientSampleId :

SS050MW513-180607MSD

Tot Ion:131 Resp: 151871  
Ion Ratio Lower Upper

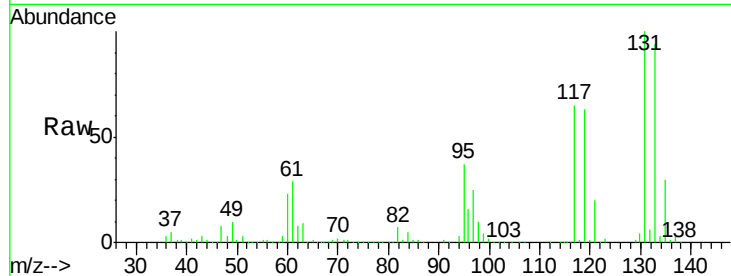
131 100

133 95.2 47.9 143.6

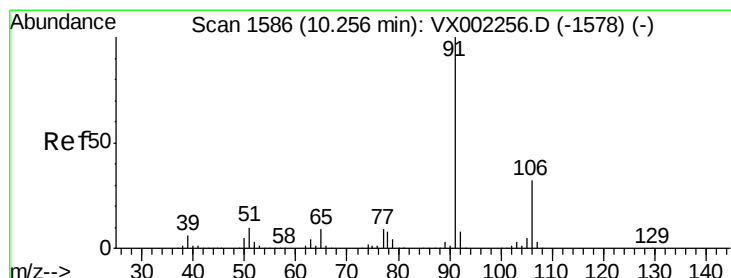
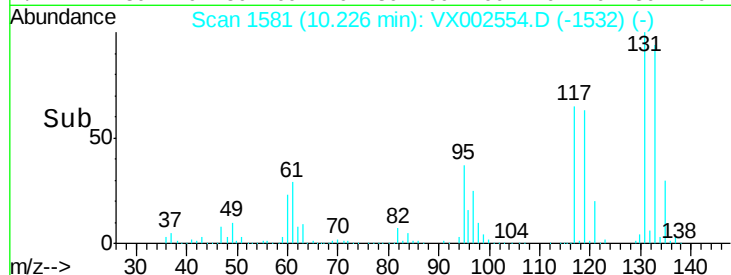
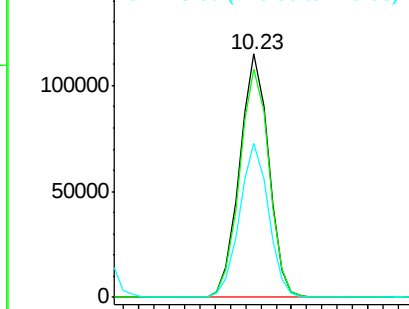
119 63.1 31.8 95.3

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Abundance Ion 130.80 (130.50 to 131.50): V  
Ion 132.80 (132.50 to 133.50): V  
Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 49.351 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

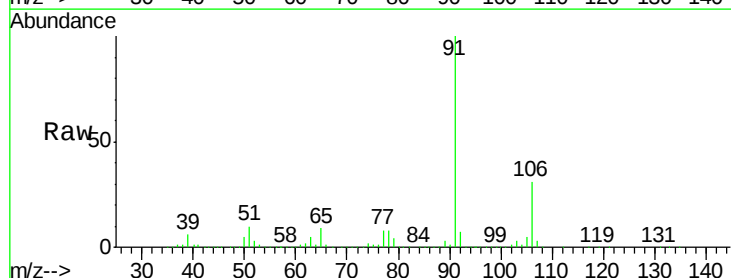
Lab File: VX002554.D

Acq: 14 Jun 2018 16:19

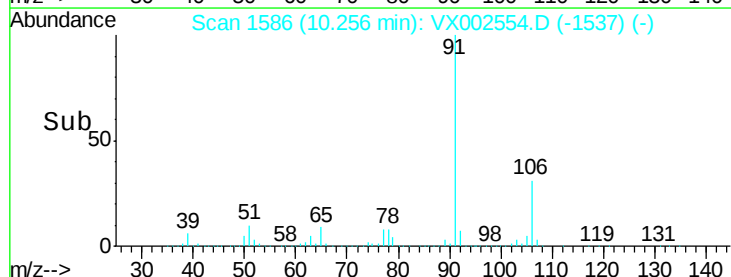
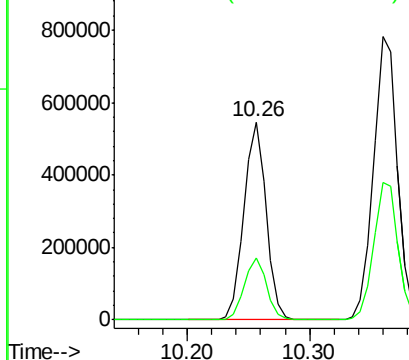
Tgt Ion: 91 Resp: 687932  
Ion Ratio Lower Upper

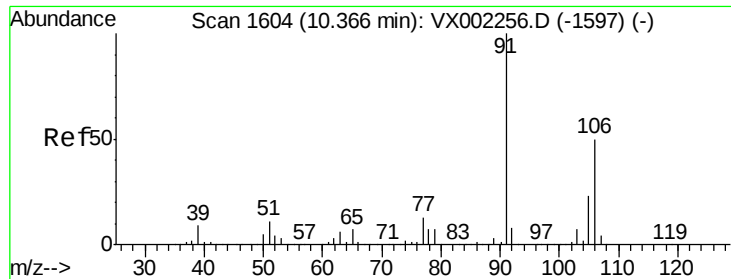
91 100

106 31.2 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VX0  
Ion 106.00 (105.70 to 106.70): V





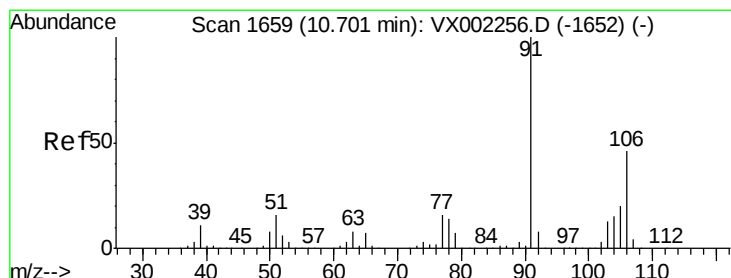
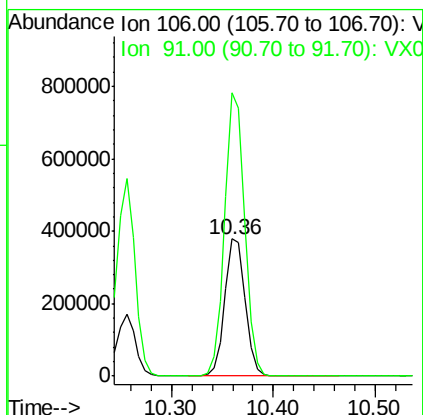
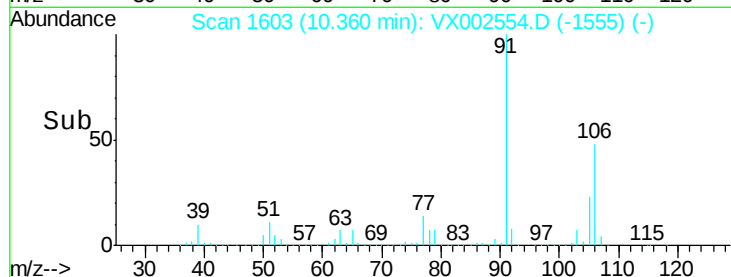
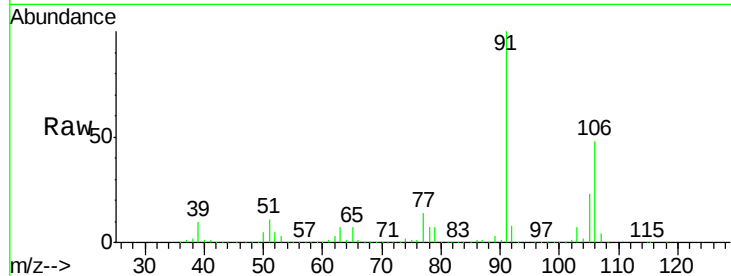
#68  
m/p-Xylenes  
Concen: 96.563 ug/l  
RT: 10.36 min Scan# 1603  
Delta R.T. -0.01 min  
Lab File: VX002554.D  
Acq: 14 Jun 2018 16:19

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS050MW513-180607MSD

Tot Ion:106 Resp: 523238  
Ion Ratio Lower Upper  
106 100  
91 203.4 163.4 245.2

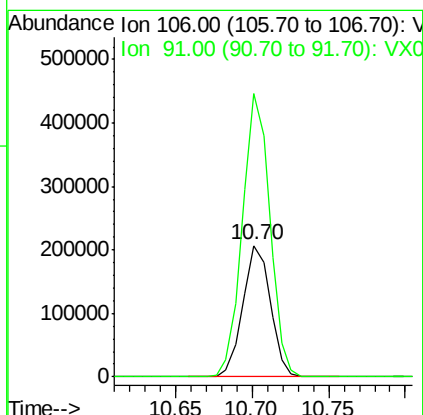
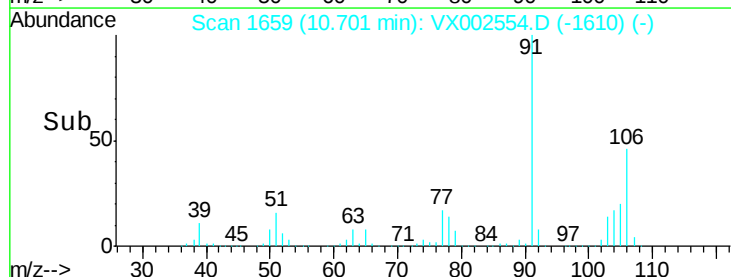
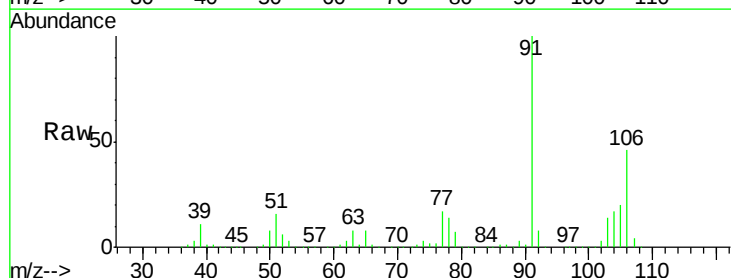
Manual Integrations  
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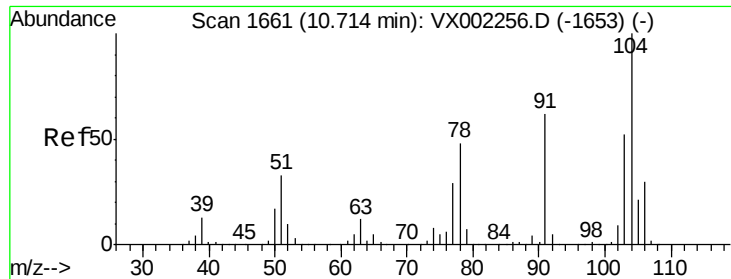
MMDadoda  
6/15/2018 1:11:52 PM



#69  
o-Xylene  
Concen: 48.134 ug/l  
RT: 10.70 min Scan# 1659  
Delta R.T. -0.00 min  
Lab File: VX002554.D  
Acq: 14 Jun 2018 16:19

Tgt Ion:106 Resp: 259556  
Ion Ratio Lower Upper  
106 100  
91 214.6 108.2 324.6





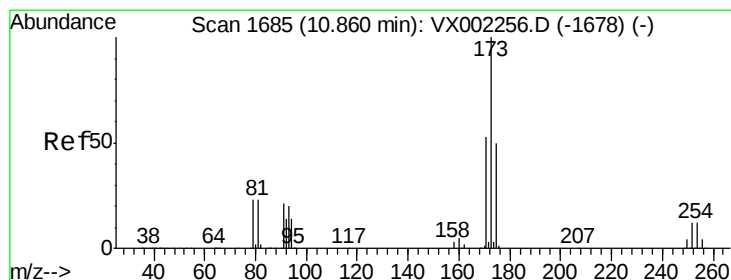
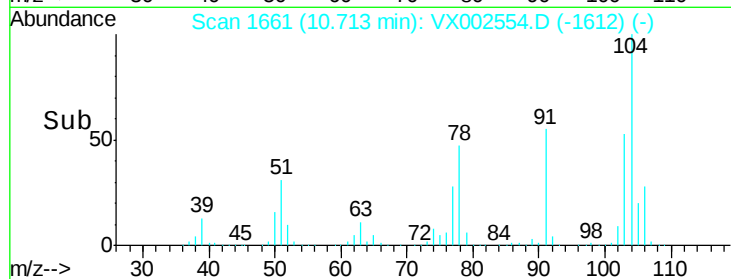
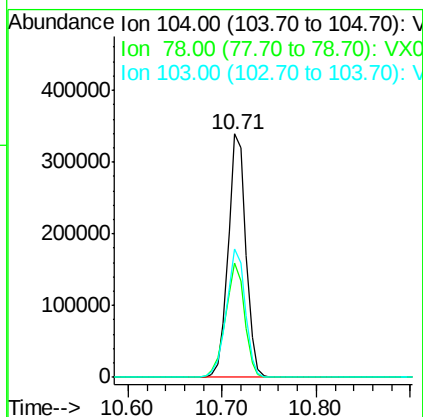
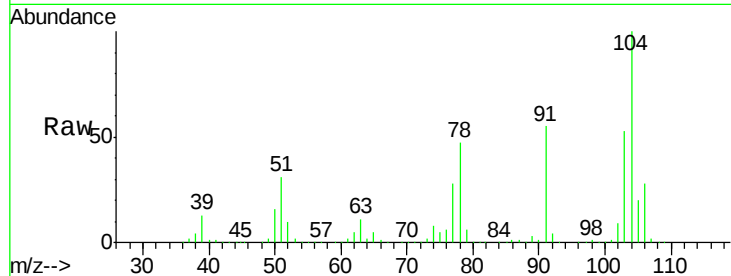
#70  
Stvrene  
Concen: 50.055 ug/l  
RT: 10.71 min Scan# 1661  
Delta R.T. -0.00 min  
Lab File: VX002554.D  
Acq: 14 Jun 2018 16:19

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS050MW513-180607MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 50.6  | 41.0  | 61.6  |
| 103     | 56.2  | 44.2  | 66.4  |

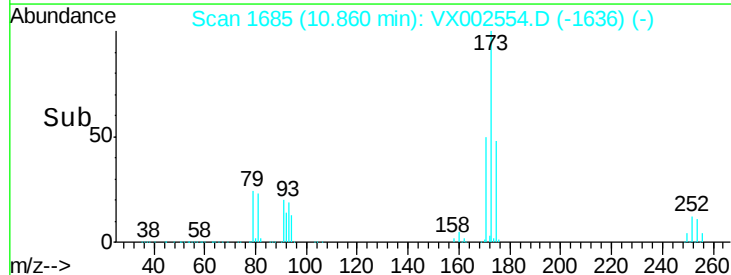
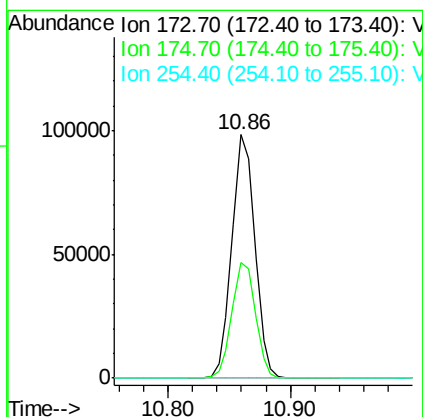
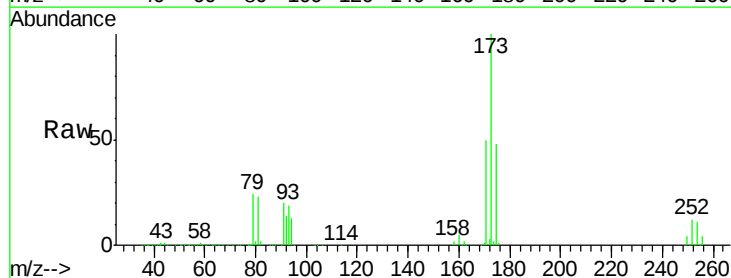
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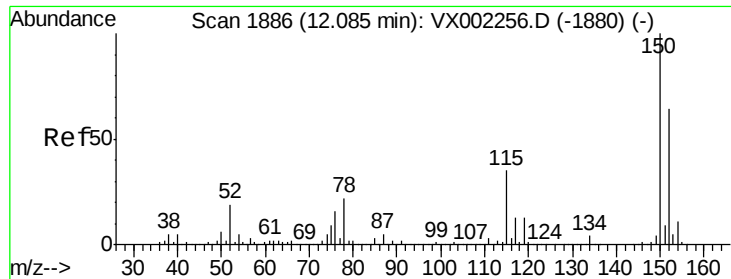
MMDadoda  
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#71  
Bromoform  
Concen: 47.426 ug/l  
RT: 10.86 min Scan# 1685  
Delta R.T. 0.00 min  
Lab File: VX002554.D  
Acq: 14 Jun 2018 16:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.6  | 24.7  | 74.1  |
| 254     | 0.2   | 0.2   | 0.2   |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002554.D

Acq: 14 Jun 2018 16:19

Instrument :

MSVOA\_X

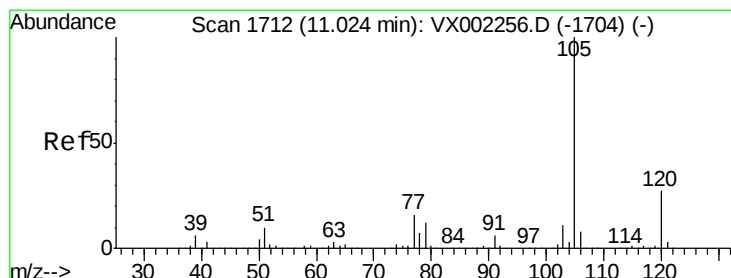
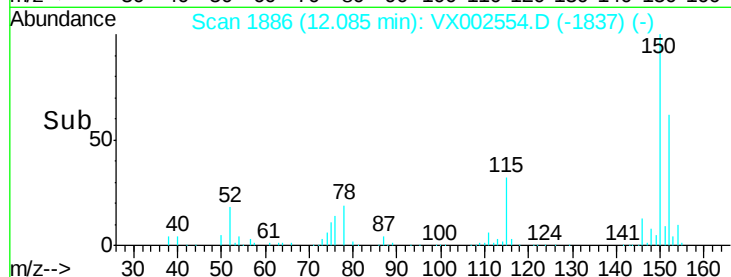
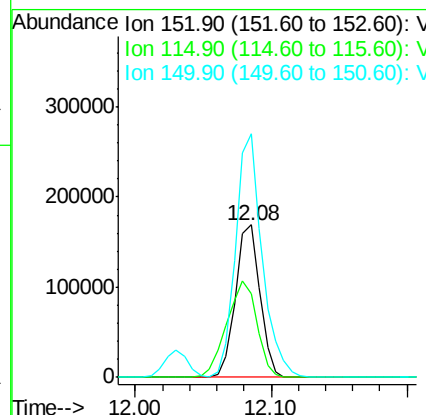
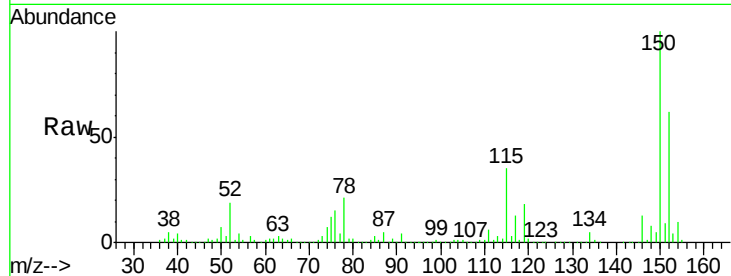
ClientSampleId :

SS050MW513-180607MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 78.2  | 40.1  | 120.2 |
| 150     | 174.0 | 0.0   | 347.2 |

Manual Integrations  
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6/15/2018 1:11:52 PM



#73

Isopropylbenzene

Concen: 47.295 ug/l

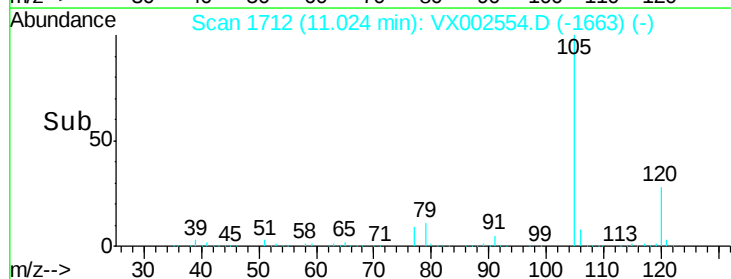
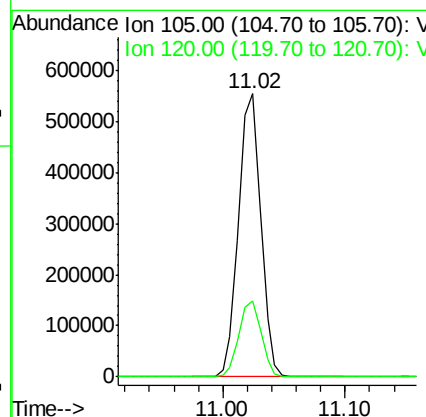
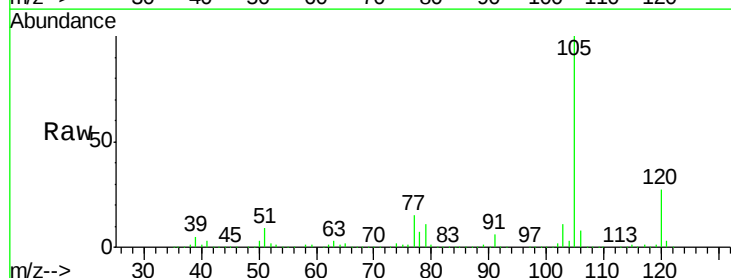
RT: 11.02 min Scan# 1712

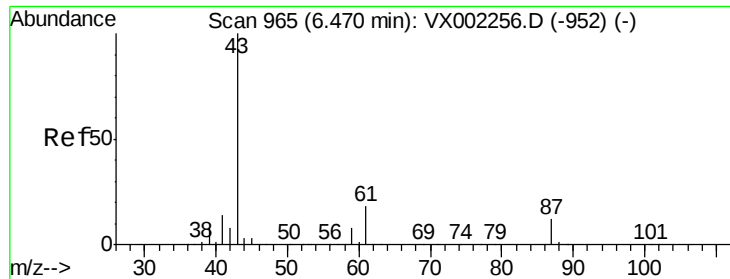
Delta R.T. -0.00 min

Lab File: VX002554.D

Acq: 14 Jun 2018 16:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 27.1  | 13.5  | 40.4  |





#74

N-amvl acetate

Concen: 48.406 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002554.D

Acq: 14 Jun 2018 16:19

Instrument :

MSVOA\_X

ClientSampleId :

SS050MW513-180607MSD

Tot Ion: 43 Resp: 382627

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0#

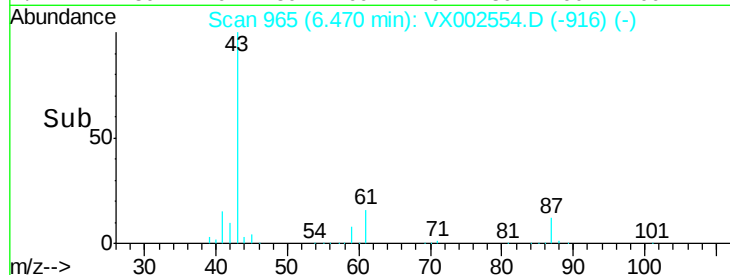
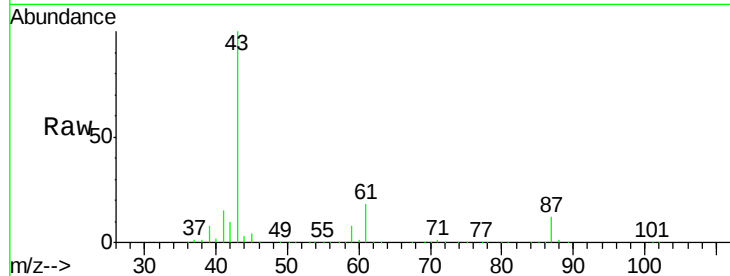
55 0.2 0.0 0.0#

61 18.0 14.4 21.6

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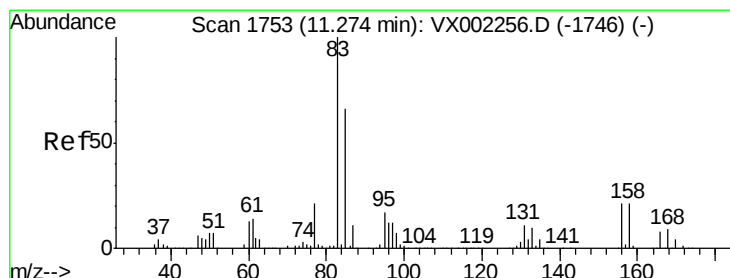
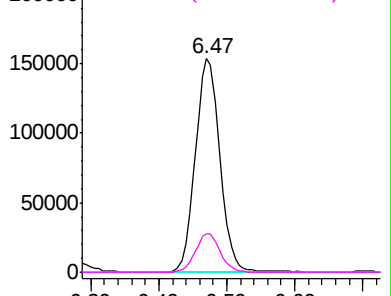


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 53.703 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002554.D

Acq: 14 Jun 2018 16:19

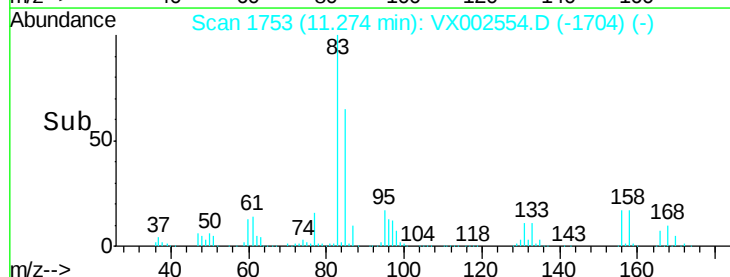
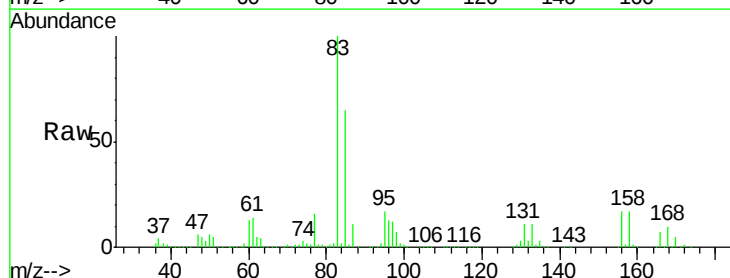
Tgt Ion: 83 Resp: 247780

Ion Ratio Lower Upper

83 100

131 10.8 5.6 16.8

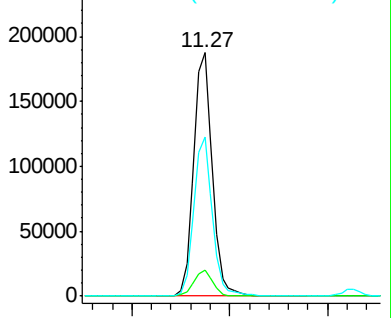
85 65.0 32.4 97.2

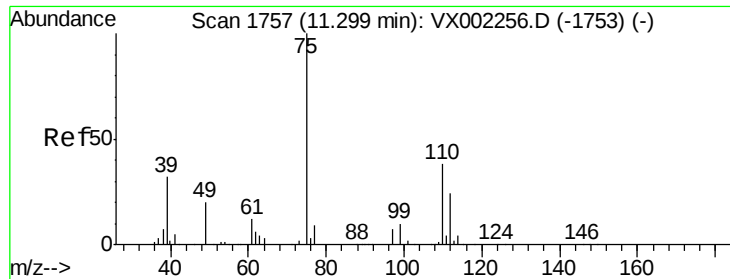


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





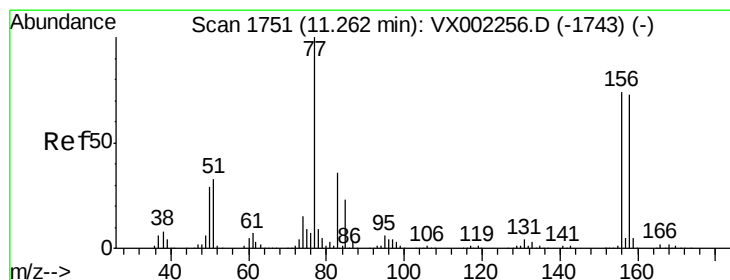
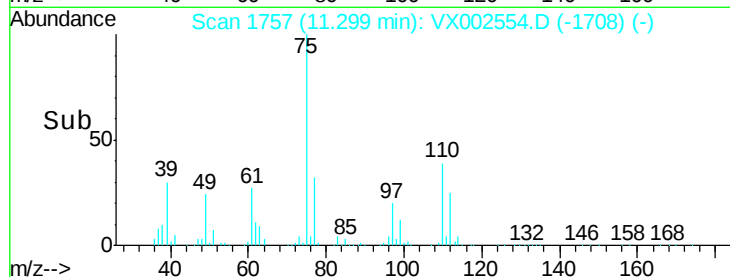
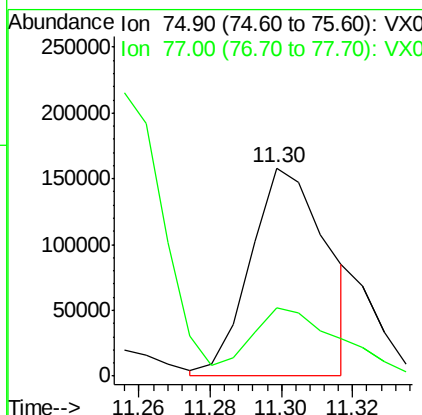
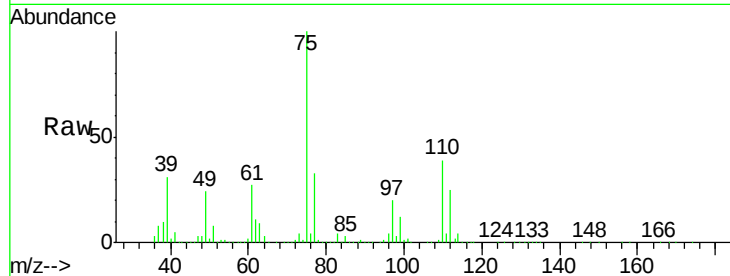
#76  
1,2,3-Trichloropropane  
Concen: 51.217 ug/l m  
RT: 11.30 min Scan# 1757  
Delta R.T. -0.00 min  
Lab File: VX002554.D  
Acq: 14 Jun 2018 16:19

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS050MW513-180607MSD

Tot Ion: 75 Resp: 236994  
Ion Ratio Lower Upper  
75 100  
77 38.2 22.8 68.3

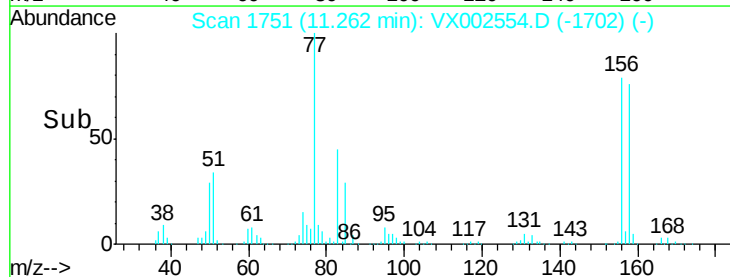
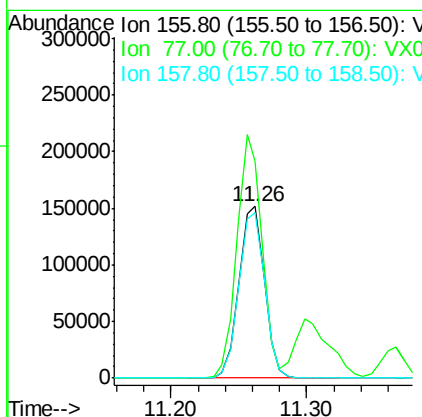
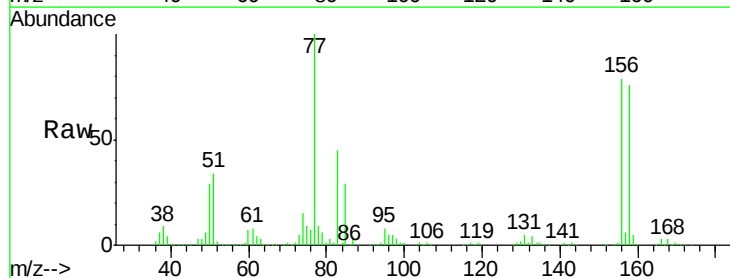
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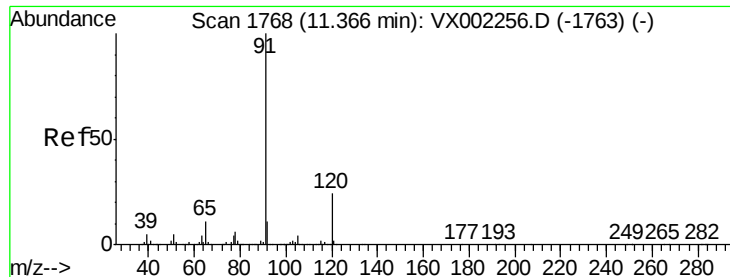
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#77  
Bromobenzene  
Concen: 48.251 ug/l  
RT: 11.26 min Scan# 1751  
Delta R.T. -0.00 min  
Lab File: VX002554.D  
Acq: 14 Jun 2018 16:19

Tgt Ion: 156 Resp: 198716  
Ion Ratio Lower Upper  
156 100  
77 138.5 71.4 214.2  
158 97.3 48.9 146.6





#78

n-propylbenzene

Concen: 48.526 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002554.D

Acq: 14 Jun 2018 16:19

Instrument :

MSVOA\_X

ClientSampleId :

SS050MW513-180607MSD

Tot Ion: 91 Resp: 791226

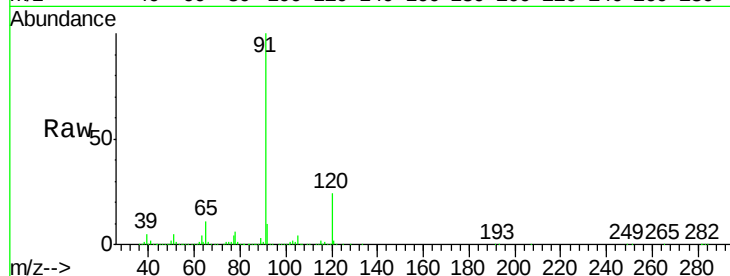
Ion Ratio Lower Upper

91 100

120 23.8 11.8 35.4

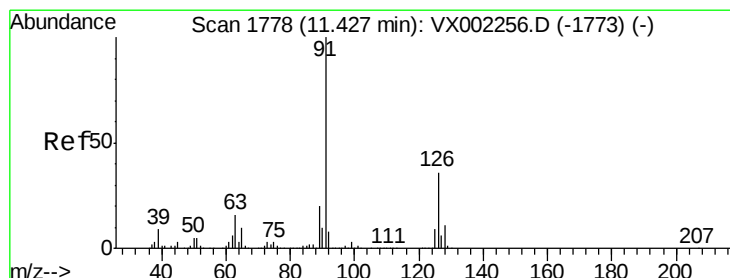
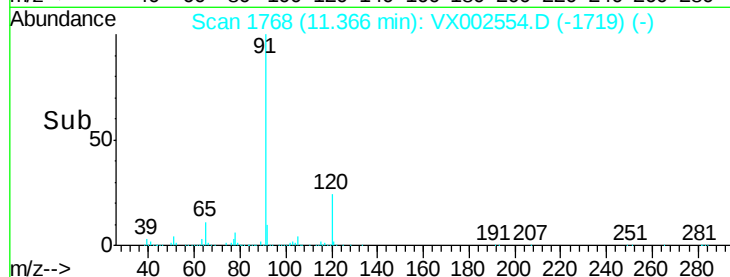
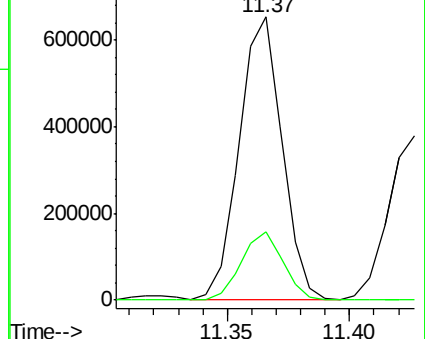
Manual Integrations  
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 45.637 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002554.D

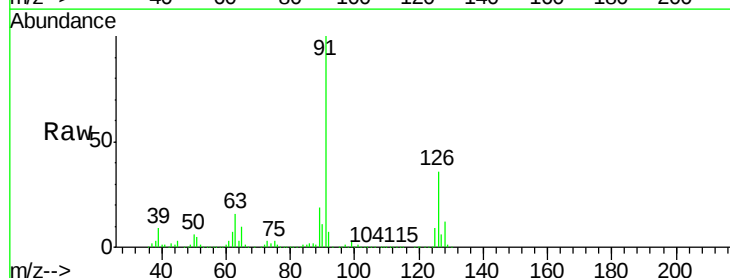
Acq: 14 Jun 2018 16:19

Tgt Ion: 91 Resp: 469862

Ion Ratio Lower Upper

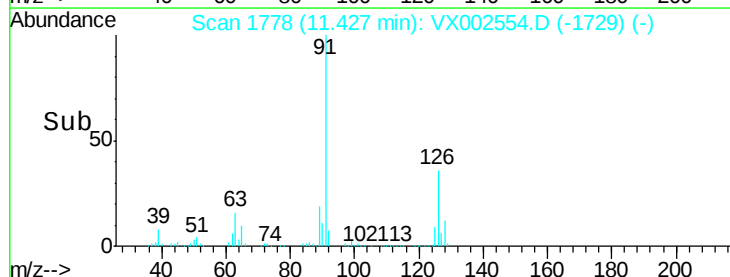
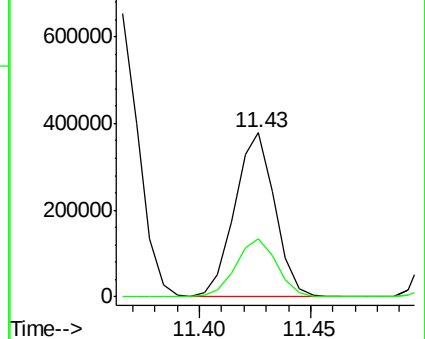
91 100

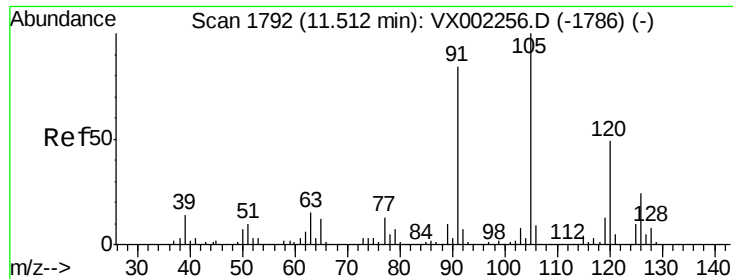
126 36.1 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





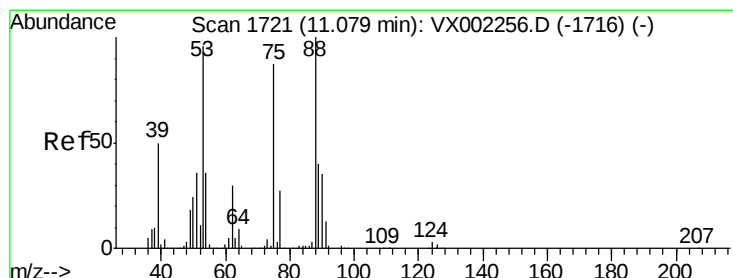
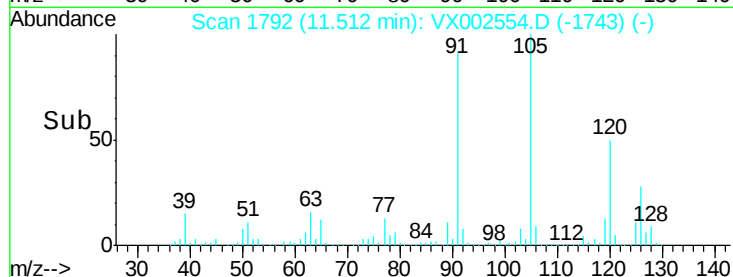
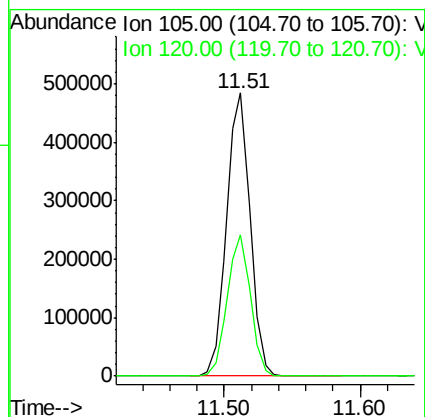
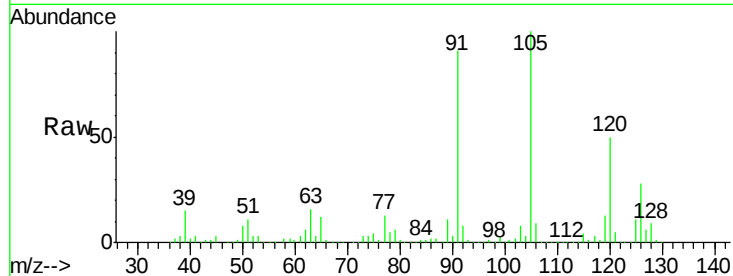
#80  
 1,3,5-Trimethylbenzene  
 Concen: 46.013 ug/l  
 RT: 11.51 min Scan# 1792  
 Delta R.T. -0.00 min  
 Lab File: VX002554.D  
 Acq: 14 Jun 2018 16:19

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS050MW513-180607MSD

Tot Ion:105 Resp: 578962  
 Ion Ratio Lower Upper  
 105 100  
 120 49.1 24.4 73.4

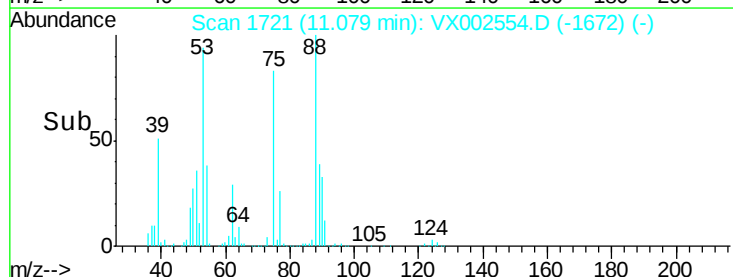
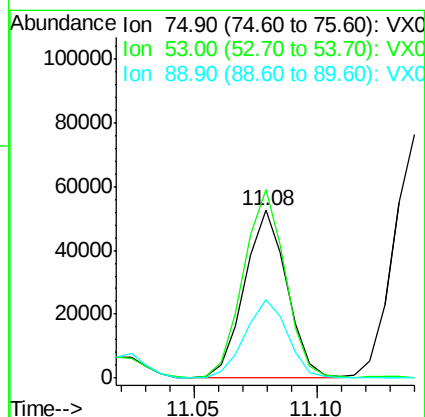
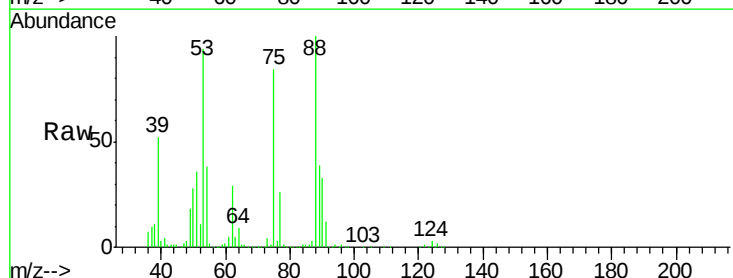
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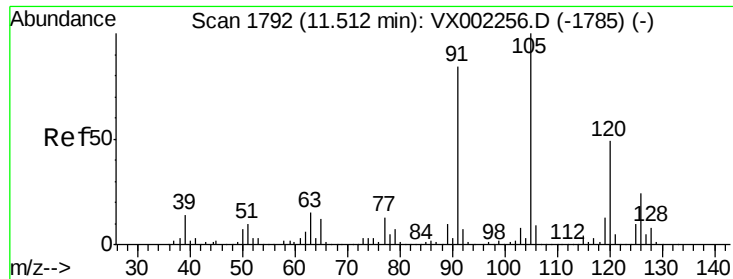
MMDadoda  
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#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 47.968 ug/l  
 RT: 11.08 min Scan# 1721  
 Delta R.T. -0.00 min  
 Lab File: VX002554.D  
 Acq: 14 Jun 2018 16:19

Tgt Ion: 75 Resp: 63321  
 Ion Ratio Lower Upper  
 75 100  
 53 110.6 86.8 130.2  
 89 46.9 38.2 57.2





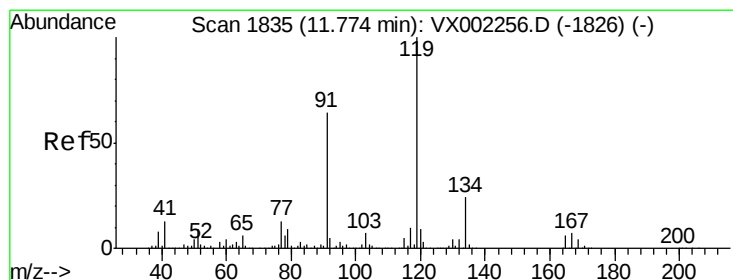
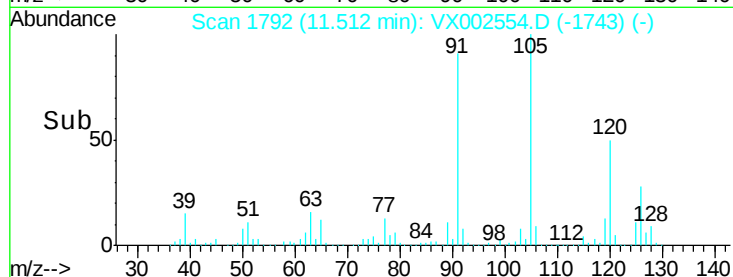
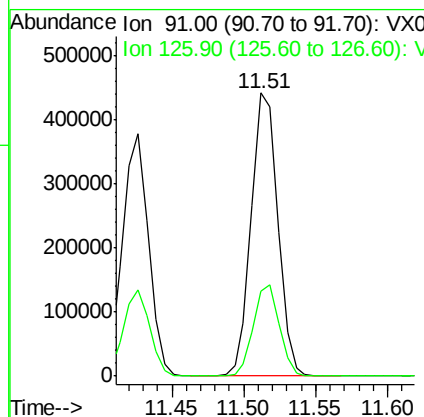
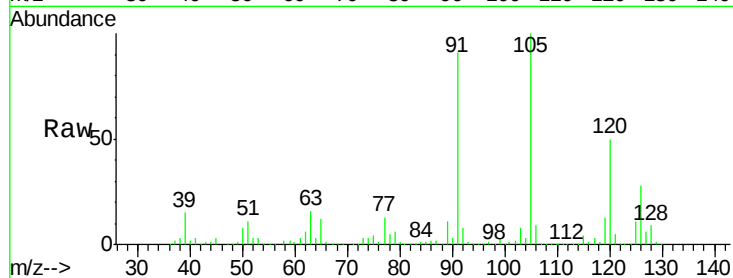
#82  
4-Chlorotoluene  
Concen: 47.428 ug/l  
RT: 11.51 min Scan# 1792  
Delta R.T. -0.00 min  
Lab File: VX002554.D  
Acq: 14 Jun 2018 16:19

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS050MW513-180607MSD

Tot Ion: 91 Resp: 563625  
Ion Ratio Lower Upper  
91 100  
126 31.5 15.4 46.4

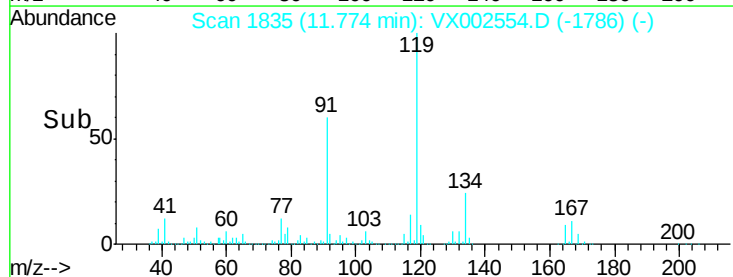
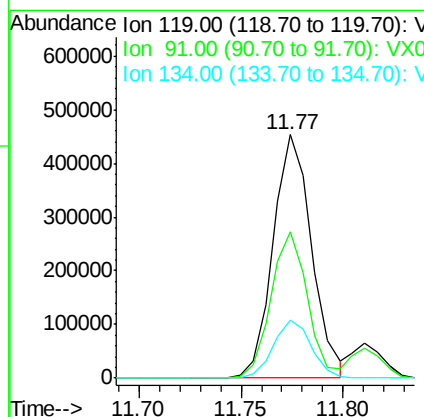
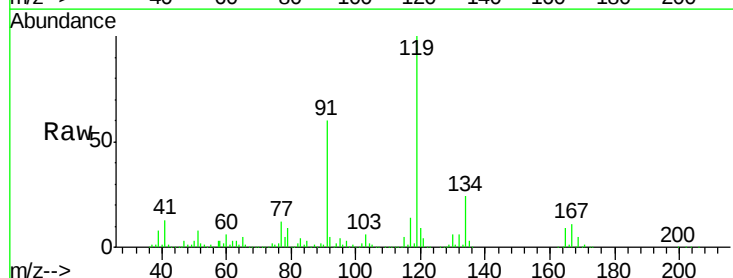
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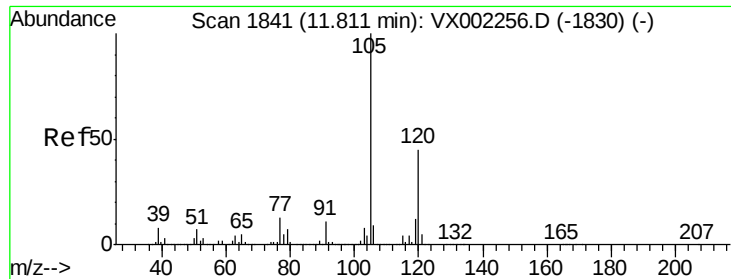
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#83  
tert-Butylbenzene  
Concen: 48.818 ug/l  
RT: 11.77 min Scan# 1835  
Delta R.T. -0.00 min  
Lab File: VX002554.D  
Acq: 14 Jun 2018 16:19

Tgt Ion: 119 Resp: 598152  
Ion Ratio Lower Upper  
119 100  
91 57.2 30.3 90.9  
134 23.4 11.7 35.1





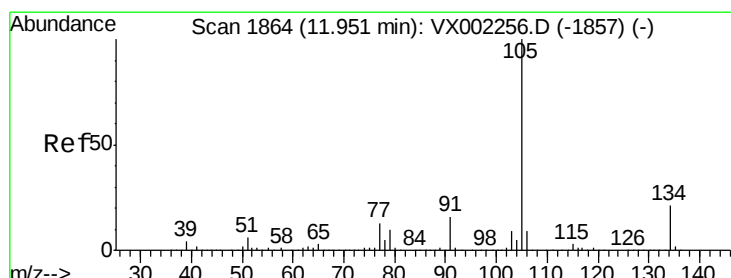
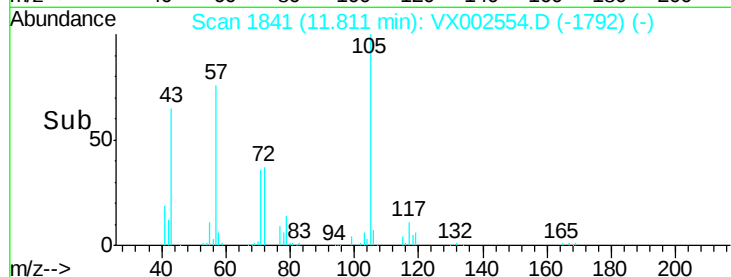
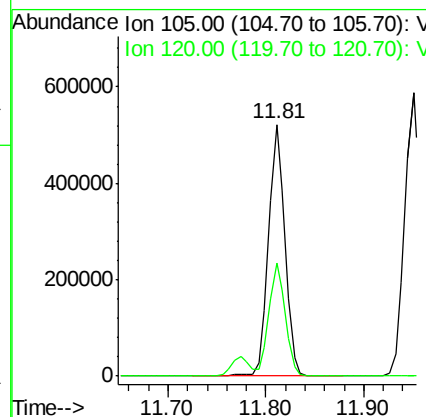
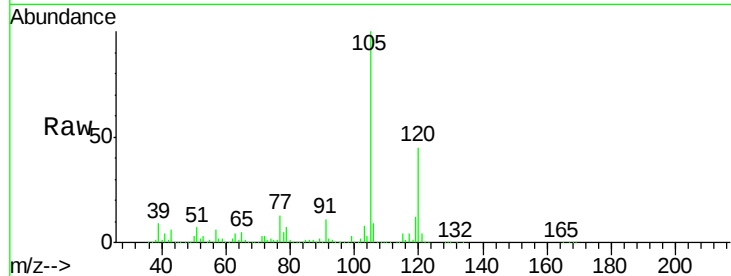
#84  
1,2,4-Trimethylbenzene  
Concen: 46.816 ug/l  
RT: 11.81 min Scan# 1841  
Delta R.T. -0.00 min  
Lab File: VX002554.D  
Acq: 14 Jun 2018 16:19

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS050MW513-180607MSD

Tot Ion:105 Resp: 606378  
Ion Ratio Lower Upper  
105 100  
120 45.1 22.3 66.8

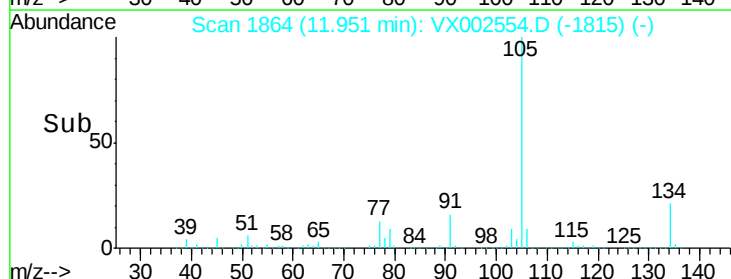
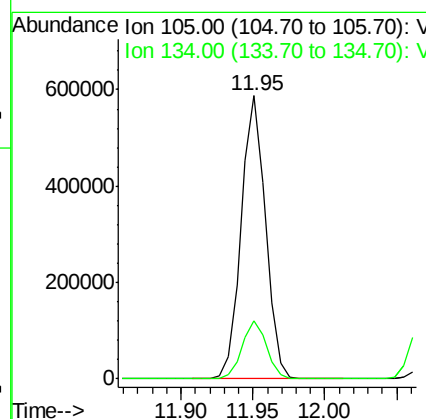
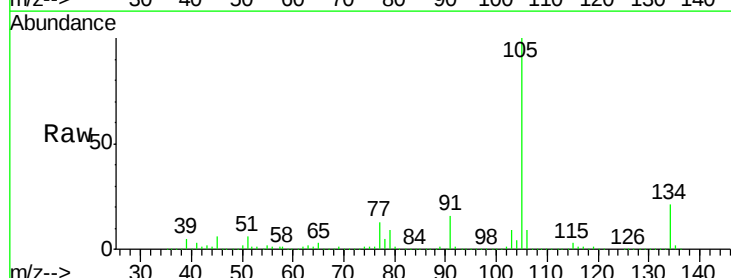
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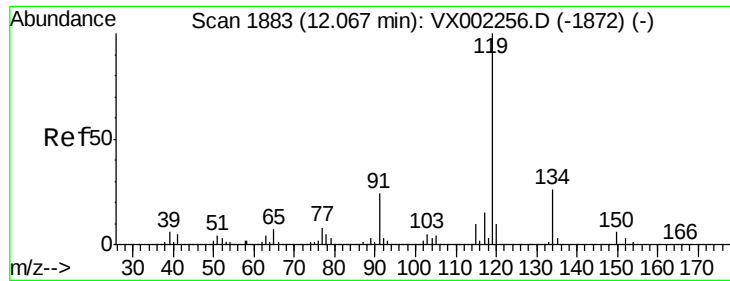
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#85  
sec-Butylbenzene  
Concen: 48.168 ug/l  
RT: 11.95 min Scan# 1864  
Delta R.T. -0.00 min  
Lab File: VX002554.D  
Acq: 14 Jun 2018 16:19

Tgt Ion:105 Resp: 691902  
Ion Ratio Lower Upper  
105 100  
134 20.6 10.4 31.1





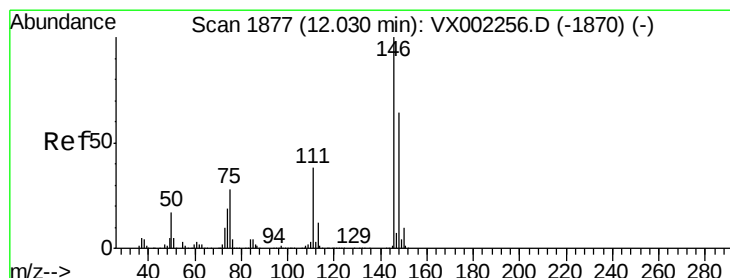
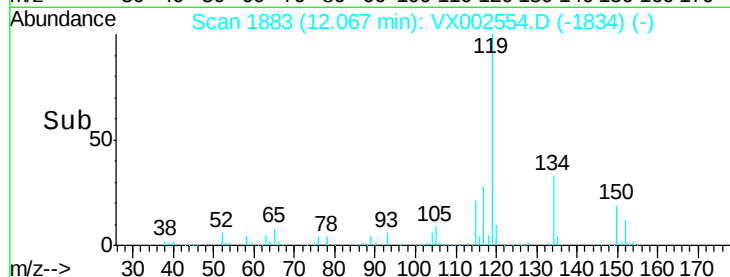
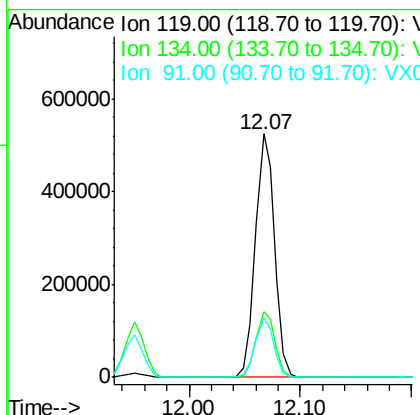
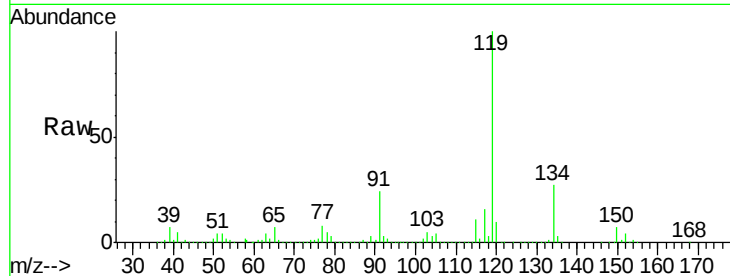
#86  
 p-Isopropyltoluene  
 Concen: 48.075 ug/l  
 RT: 12.07 min Scan# 1883  
 Delta R.T. -0.00 min  
 Lab File: VX002554.D  
 Acq: 14 Jun 2018 16:19

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS050MW513-180607MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 629012 |       |       |
| 134     | 27.0  |        | 13.4  | 40.1  |
| 91      | 23.6  |        | 11.9  | 35.7  |

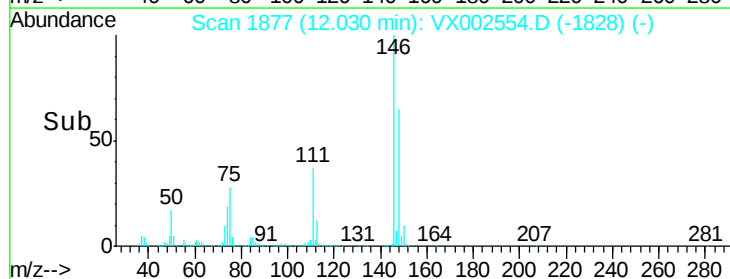
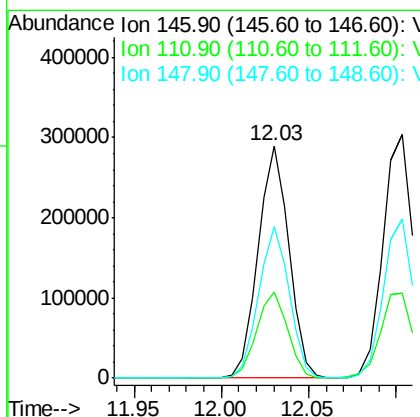
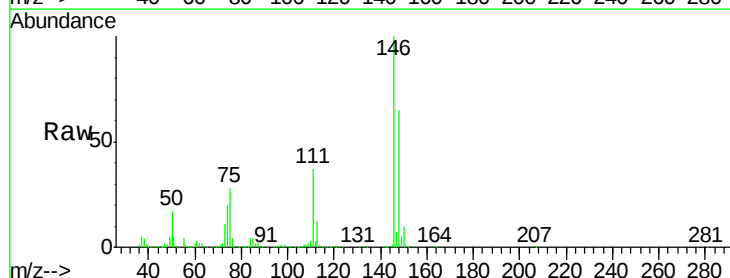
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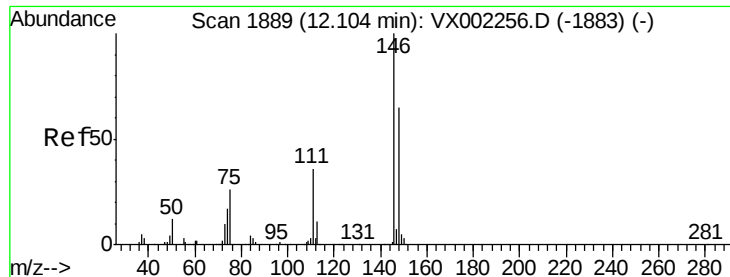
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#87  
 1,3-Dichlorobenzene  
 Concen: 48.105 ug/l  
 RT: 12.03 min Scan# 1877  
 Delta R.T. -0.00 min  
 Lab File: VX002554.D  
 Acq: 14 Jun 2018 16:19

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 354234 |       |       |
| 111     | 37.6  |        | 18.9  | 56.7  |
| 148     | 65.0  |        | 32.1  | 96.3  |





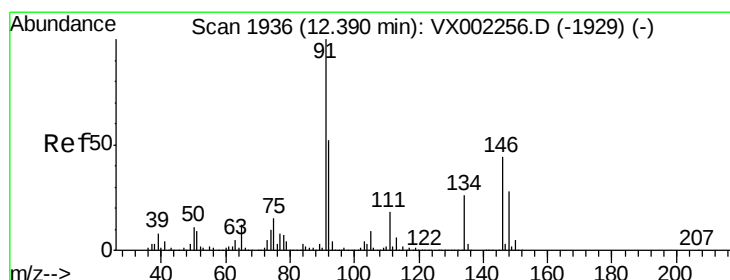
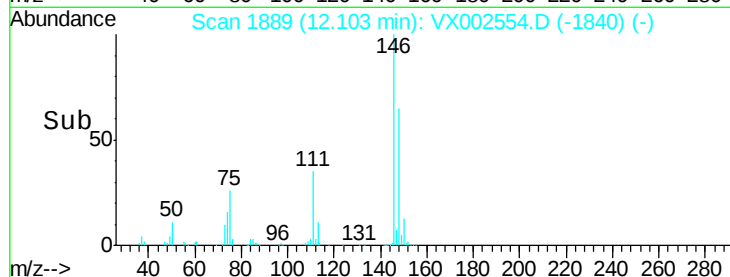
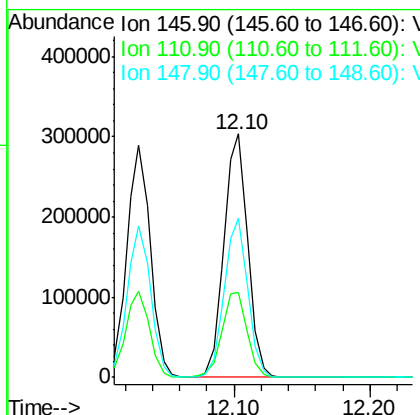
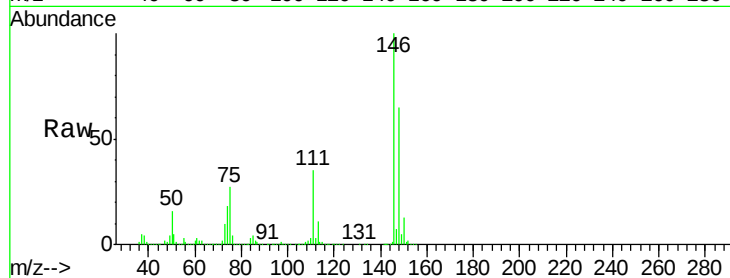
#88  
 1,4-Dichlorobenzene  
 Concen: 48.330 ug/l  
 RT: 12.10 min Scan# 1889  
 Delta R.T. -0.00 min  
 Lab File: VX002554.D  
 Acq: 14 Jun 2018 16:19

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS050MW513-180607MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.5  | 18.7  | 56.1  |
| 148     | 64.5  | 32.4  | 97.0  |

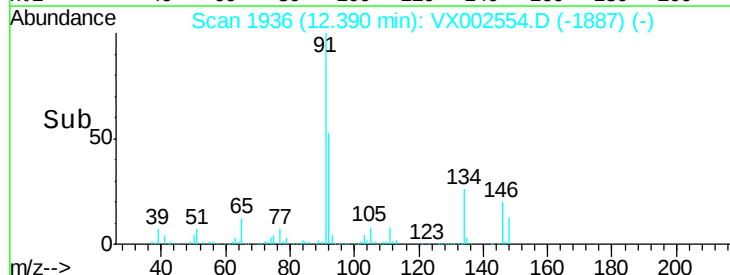
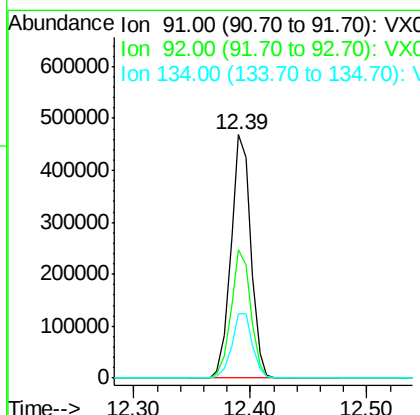
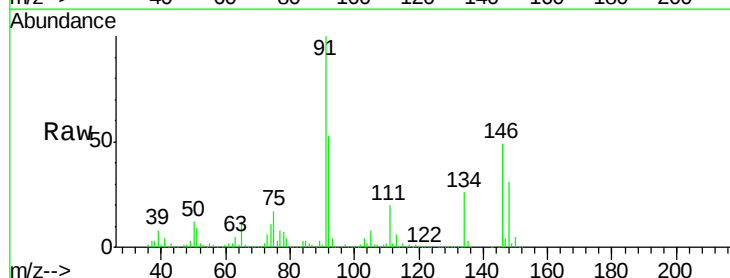
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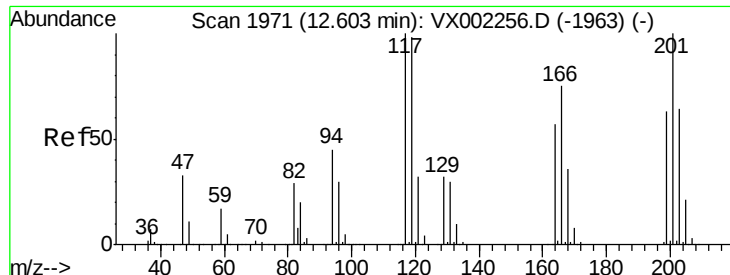
MMDadoda  
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#89  
 n-Butylbenzene  
 Concen: 50.669 ug/l  
 RT: 12.39 min Scan# 1936  
 Delta R.T. -0.00 min  
 Lab File: VX002554.D  
 Acq: 14 Jun 2018 16:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.0  | 26.0  | 78.0  |
| 134     | 27.3  | 13.5  | 40.5  |





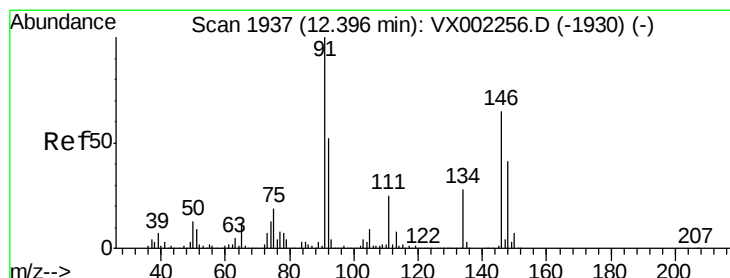
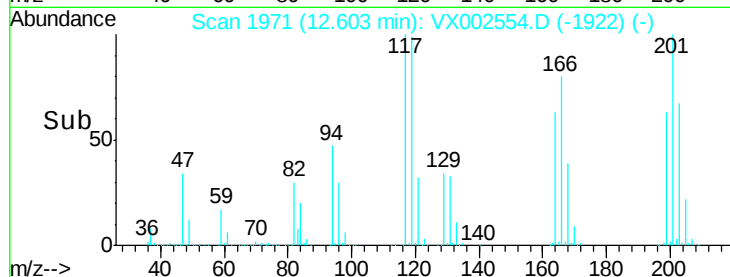
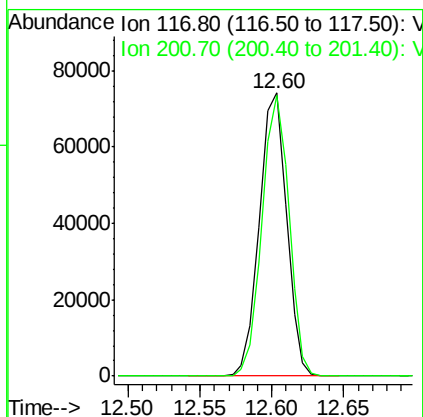
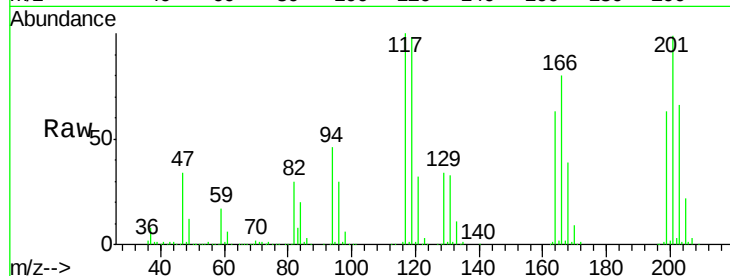
#90  
Hexachloroethane  
Concen: 46.258 ug/l  
RT: 12.60 min Scan# 1971  
Delta R.T. -0.00 min  
Lab File: VX002554.D  
Acq: 14 Jun 2018 16:19

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS050MW513-180607MSD

Tot Ion:117 Resp: 96615  
Ion Ratio Lower Upper  
117 100  
201 98.1 49.0 147.0

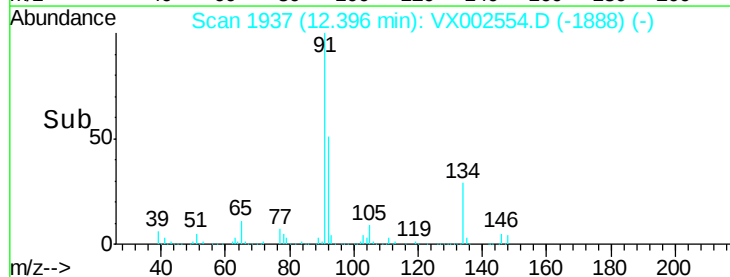
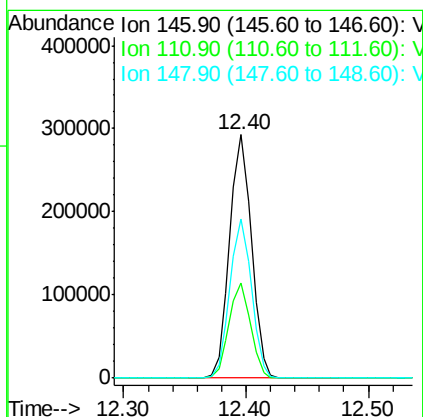
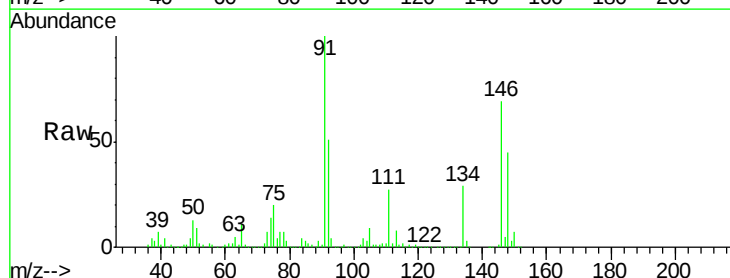
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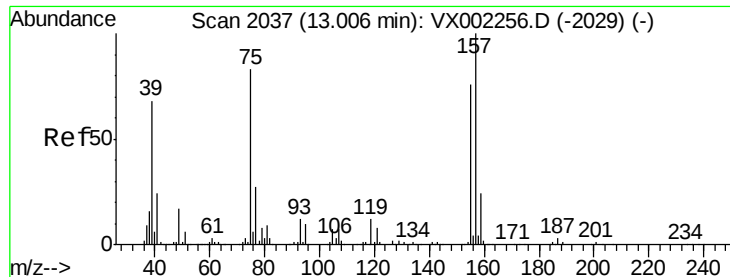
MMDadoda  
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#91  
1,2-Dichlorobenzene  
Concen: 47.364 ug/l  
RT: 12.40 min Scan# 1937  
Delta R.T. -0.00 min  
Lab File: VX002554.D  
Acq: 14 Jun 2018 16:19

Tgt Ion:146 Resp: 360863  
Ion Ratio Lower Upper  
146 100  
111 38.7 19.4 58.1  
148 64.7 31.7 95.1





#92

1,2-Dibromo-3-Chloropropane

Concen: 62.494 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. -0.00 min

Lab File: VX002554.D

Acq: 14 Jun 2018 16:19

Instrument :

MSVOA\_X

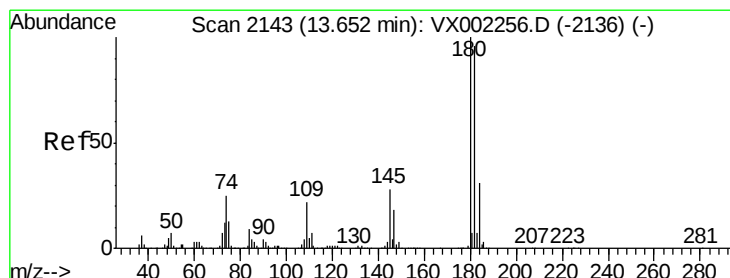
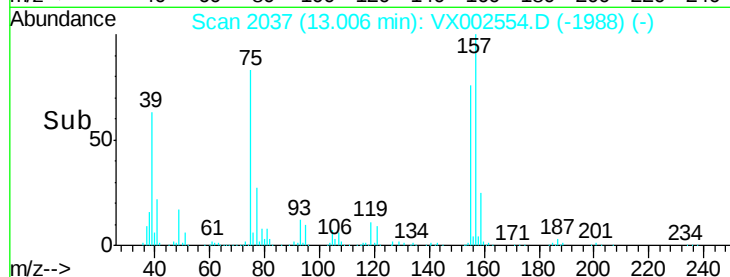
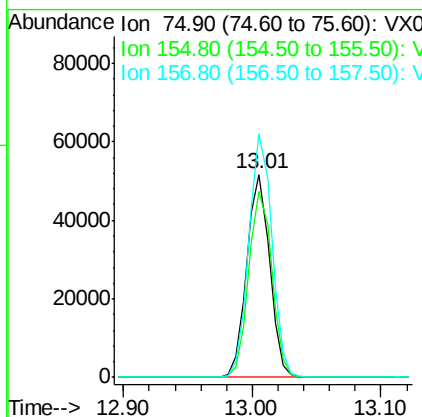
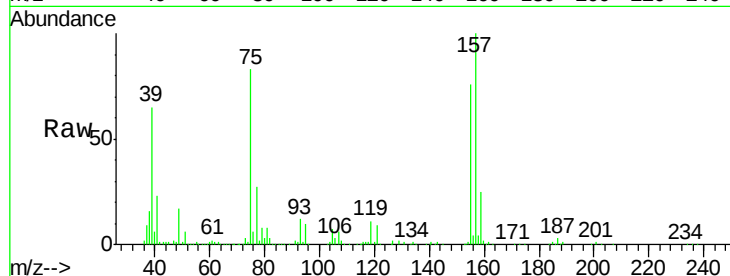
ClientSampleId :

SS050MW513-180607MSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 75    | Resp: | 63054 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 92.7  | 45.8  | 137.4 |
| 157       | 120.4 | 60.1  | 180.3 |

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#93

1,2,4-Trichlorobenzene

Concen: 50.705 ug/l

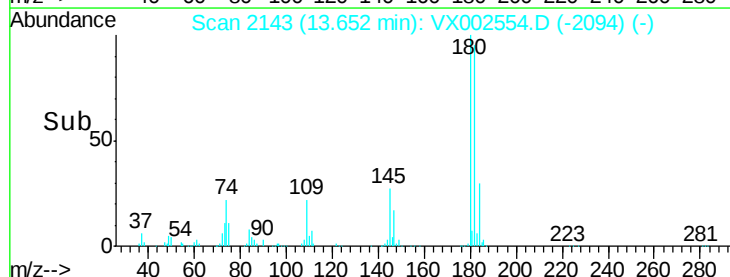
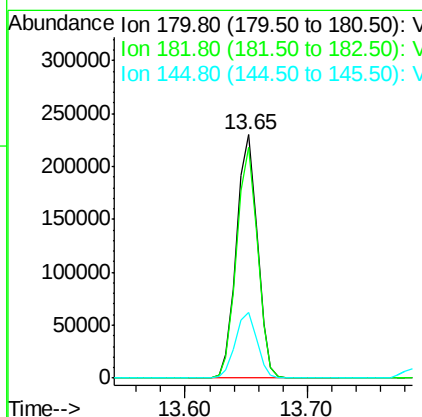
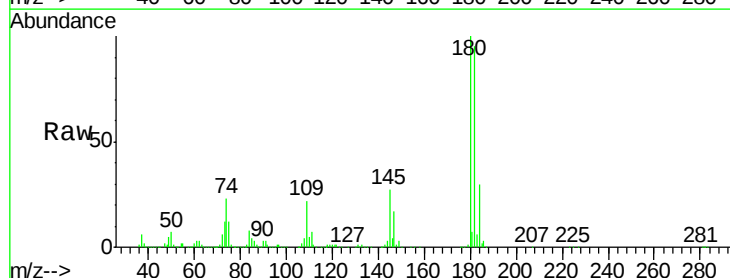
RT: 13.65 min Scan# 2143

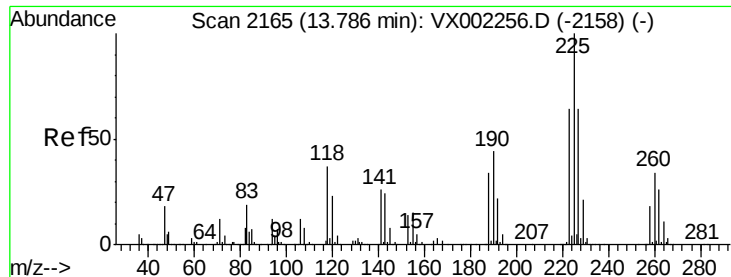
Delta R.T. -0.00 min

Lab File: VX002554.D

Acq: 14 Jun 2018 16:19

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 270883 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.0  | 47.7  | 143.1  |
| 145       | 27.8  | 14.1  | 42.4   |





#94

Hexachlorobutadiene

Concen: 47.279 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. -0.00 min

Lab File: VX002554.D

Acq: 14 Jun 2018 16:19

Instrument :

MSVOA\_X

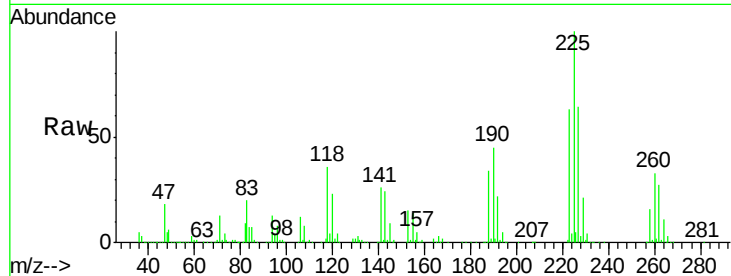
ClientSampleId :

SS050MW513-180607MSD

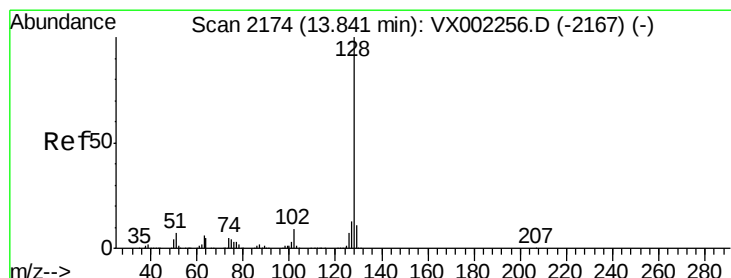
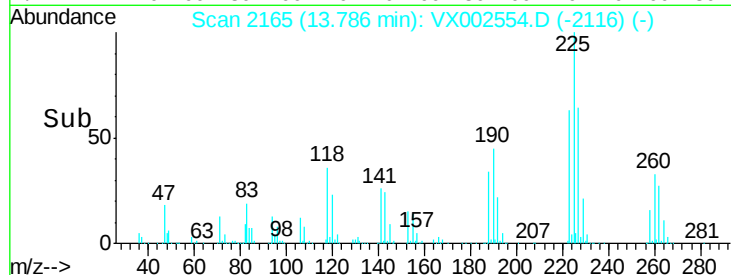
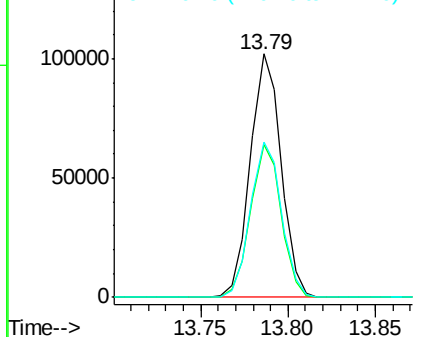
|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 225  | Resp: | 124812 |
| Ion Ratio |      | Lower | Upper  |
| 225       | 100  |       |        |
| 223       | 62.5 | 31.6  | 95.0   |
| 227       | 64.2 | 32.4  | 97.2   |

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Abundance Ion 224.70 (224.40 to 225.40): V  
Ion 222.70 (222.40 to 223.40): V  
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 56.305 ug/l

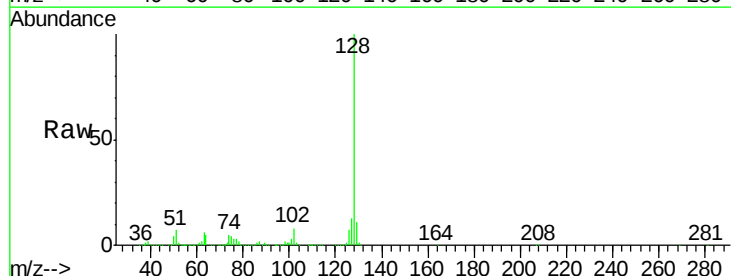
RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

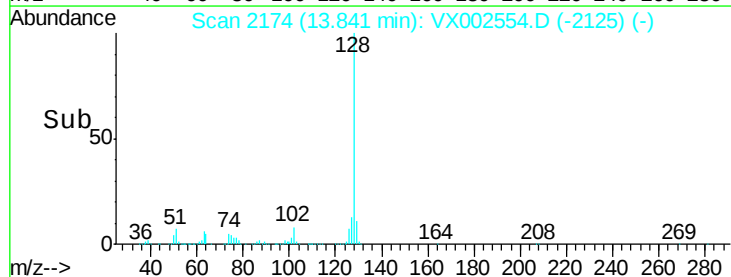
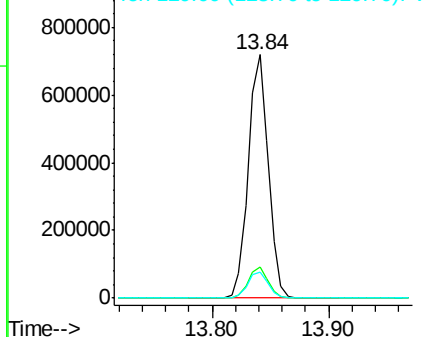
Lab File: VX002554.D

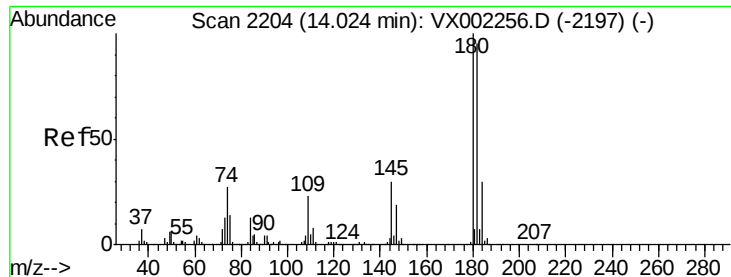
Acq: 14 Jun 2018 16:19

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 128  | Resp: | 864257 |
| Ion Ratio |      | Lower | Upper  |
| 128       | 100  |       |        |
| 127       | 12.9 | 10.4  | 15.6   |
| 129       | 10.9 | 8.6   | 13.0   |



Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V





#96  
 1,2,3-Trichlorobenzene  
 Concen: 49.629 ug/l  
 RT: 14.02 min Scan# 2204  
 Delta R.T. -0.00 min  
 Lab File: VX002554.D  
 Acq: 14 Jun 2018 16:19

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS050MW513-180607MSD

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 180  | Resp: | 270397 |
| Ion Ratio |      | Lower | Upper  |
| 180       | 100  |       |        |
| 182       | 96.8 | 48.0  | 144.0  |
| 145       | 29.6 | 14.8  | 44.3   |

Manual Integrations  
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