

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100418\  
 Data File : VX005040.D  
 Acq On : 05 Oct 2018 00:57  
 Operator : JC/MD  
 Sample : J5207-19MSD  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 76 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-TW511-2125MSD

Manual Integrations  
 APPROVED

MMDadoda  
 10/5/2018 3:24:53 PM

Quant Time: Oct 05 05:15:11 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X092618W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 03 04:00:03 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 215412   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 335262   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 315143   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 188562   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.07   | 65  | 160631   | 52.20 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.40% |      |
| 35) Dibromofluoromethane  | 5.50   | 113 | 129002   | 45.40 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 90.80%  |      |
| 50) Toluene-d8            | 8.72   | 98  | 485710   | 51.42 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.84% |      |
| 62) 4-Bromofluorobenzene  | 11.14  | 95  | 180092   | 52.92 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 105.84% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 156355  | 53.235  | ug/l | 97     |
| 3) Chloromethane              | 1.32 | 50  | 177047  | 49.685  | ug/l | 100    |
| 4) Vinyl Chloride             | 1.40 | 62  | 175658  | 52.559  | ug/l | 99     |
| 5) Bromomethane               | 1.64 | 94  | 129627  | 65.407  | ug/l | 97     |
| 6) Chloroethane               | 1.71 | 64  | 103762  | 57.310  | ug/l | 97     |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 223880  | 54.110  | ug/l | 95     |
| 8) Diethyl Ether              | 2.19 | 74  | 94473   | 52.559  | ug/l | 97     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.38 | 101 | 123223  | 52.283  | ug/l | 99     |
| 10) Methyl Iodide             | 2.51 | 142 | 148348  | 47.038  | ug/l | 93     |
| 11) Tert butyl alcohol        | 3.08 | 59  | 231890  | 269.513 | ug/l | 98     |
| 12) 1,1-Dichloroethene        | 2.37 | 96  | 121763  | 52.168  | ug/l | 98     |
| 13) Acrolein                  | 2.29 | 56  | 41122   | 67.174  | ug/l | 91     |
| 14) Allyl chloride            | 2.73 | 41  | 272747  | 53.556  | ug/l | 96     |
| 15) Acrylonitrile             | 3.15 | 53  | 521658  | 275.416 | ug/l | 96     |
| 16) Acetone                   | 2.45 | 43  | 461060  | 256.642 | ug/l | 93     |
| 17) Carbon Disulfide          | 2.57 | 76  | 332025  | 47.340  | ug/l | 100    |
| 18) Methyl Acetate            | 2.78 | 43  | 247950  | 54.475  | ug/l | 98     |
| 19) Methyl tert-butyl Ether   | 3.20 | 73  | 467839  | 58.110  | ug/l | 97     |
| 20) Methylene Chloride        | 2.85 | 84  | 145512  | 55.806  | ug/l | 89     |
| 21) trans-1,2-Dichloroethene  | 3.16 | 96  | 130417  | 51.043  | ug/l | 83     |
| 22) Diisopropyl ether         | 3.87 | 45  | 474238  | 55.300  | ug/l | 96     |
| 23) Vinyl Acetate             | 3.82 | 43  | 1700046 | 216.571 | ug/l | 98     |
| 24) 1,1-Dichloroethane        | 3.70 | 63  | 268007  | 52.391  | ug/l | 100    |
| 25) 2-Butanone                | 4.71 | 43  | 695127  | 262.500 | ug/l | 97     |
| 26) 2,2-Dichloropropane       | 4.58 | 77  | 138776  | 38.958  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 4.60 | 96  | 145605  | 51.012  | ug/l | 97     |
| 28) Bromochloromethane        | 5.02 | 49  | 121620  | 50.487  | ug/l | 99     |
| 29) Tetrahydrofuran           | 5.16 | 42  | 455752  | 276.903 | ug/l | 98     |
| 30) Chloroform                | 5.21 | 83  | 250318  | 51.776  | ug/l | 99     |
| 31) Cyclohexane               | 5.57 | 56  | 210585  | 53.786  | ug/l | 90     |
| 32) 1,1,1-Trichloroethane     | 5.49 | 97  | 208725  | 52.864  | ug/l | 95     |
| 36) 1,1-Dichloropropene       | 5.80 | 75  | 178135  | 45.950  | ug/l | 94     |
| 37) Ethyl Acetate             | 4.86 | 43  | 207922  | 40.405  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 5.78 | 117 | 180535  | 44.302  | ug/l | 99     |

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 Sample : J5207-19MSD  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 76 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-TW511-2125MSD

Manual Integrations  
 APPROVED

MMDadoda  
 10/5/2018 3:24:53 PM

Quant Time: Oct 05 05:15:11 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X092618W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 03 04:00:03 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 198225   | 50.075  | ug/l # | 85       |
| 40) Benzene                    | 6.14  | 78   | 575267   | 47.399  | ug/l   | 96       |
| 41) Methacrylonitrile          | 5.06  | 41   | 139593   | 48.914  | ug/l   | 98       |
| 42) 1,2-Dichloroethane         | 6.20  | 62   | 200002   | 46.615  | ug/l   | 97       |
| 43) Isopropyl Acetate          | 6.46  | 43   | 334808   | 45.077  | ug/l   | 96       |
| 44) Trichloroethene            | 7.21  | 130  | 146800   | 49.202  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 7.52  | 63   | 153590   | 51.604  | ug/l   | 100      |
| 46) Dibromomethane             | 7.66  | 93   | 96178    | 51.418  | ug/l   | 99       |
| 47) Bromodichloromethane       | 7.90  | 83   | 187183   | 53.449  | ug/l   | 99       |
| 48) Methyl methacrylate        | 7.78  | 41   | 195369   | 57.952  | ug/l   | 100      |
| 49) 1,4-Dioxane                | 7.76  | 88   | 82890    | 989.690 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone       | 8.65  | 43   | 1317749  | 281.773 | ug/l   | 99       |
| 52) Toluene                    | 8.79  | 92   | 345181   | 51.759  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 202086   | 51.064  | ug/l   | 93       |
| 54) cis-1,3-Dichloropropene    | 8.44  | 75   | 213079   | 51.404  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 9.22  | 97   | 146765   | 50.241  | ug/l   | 95       |
| 56) Ethyl methacrylate         | 9.18  | 69   | 233246   | 49.250  | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 247789   | 50.966  | ug/l   | 98       |
| 59) 2-Hexanone                 | 9.50  | 43   | 1039781  | 266.807 | ug/l   | 96       |
| 60) Dibromochloromethane       | 9.59  | 129  | 153051   | 52.389  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 9.68  | 107  | 152651   | 48.794  | ug/l   | 95       |
| 64) Tetrachloroethene          | 9.34  | 164  | 142098   | 45.813  | ug/l   | 96       |
| 65) Chlorobenzene              | 10.14 | 112  | 389295   | 48.173  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.23 | 131  | 143976   | 50.678  | ug/l   | 99       |
| 67) Ethyl Benzene              | 10.26 | 91   | 656457   | 51.166  | ug/l   | 96       |
| 68) m/p-Xylenes                | 10.36 | 106  | 511538   | 102.031 | ug/l   | 96       |
| 69) o-Xylene                   | 10.70 | 106  | 250475   | 54.393  | ug/l   | 98       |
| 70) Styrene                    | 10.71 | 104  | 415664   | 48.337  | ug/l   | 100      |
| 71) Bromoform                  | 10.86 | 173  | 124698   | 51.269  | ug/l   | 96       |
| 73) Isopropylbenzene           | 11.02 | 105  | 654281   | 55.049  | ug/l   | 99       |
| 74) N-amyl acetate             | 10.90 | 43   | 274244   | 42.261  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 243199   | 50.267  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 11.30 | 75   | 220030m  | 52.061  | ug/l   |          |
| 77) Bromobenzene               | 11.26 | 156  | 179339   | 51.949  | ug/l   | 99       |
| 78) n-propylbenzene            | 11.36 | 91   | 742906   | 54.477  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 456108   | 53.659  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 555067   | 50.959  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 63857    | 41.558  | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 533345   | 53.307  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 11.77 | 119  | 555595   | 56.777  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 579826   | 51.620  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 644908   | 54.107  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 12.07 | 119  | 579389   | 53.653  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 323981   | 50.259  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 326992   | 49.139  | ug/l   | 99       |
| 89) n-Butylbenzene             | 12.39 | 91   | 504743   | 51.466  | ug/l   | 100      |
| 90) Hexachloroethane           | 12.60 | 117  | 93265    | 51.872  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 12.40 | 146  | 332626   | 49.376  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75   | 55352    | 52.106  | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene     | 13.65 | 180  | 242314   | 51.277  | ug/l   | 99       |

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Sample : J5207-19MSD  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 76 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-TW511-2125MSD

Manual Integrations  
APPROVED

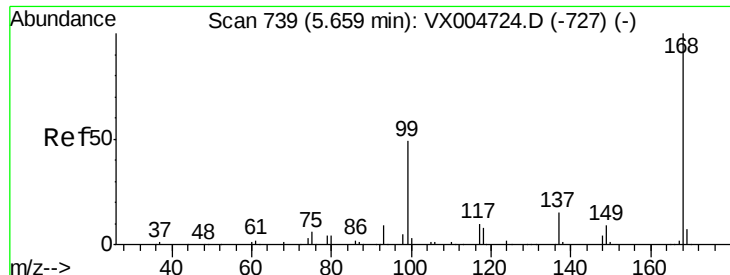
MMDadoda  
10/5/2018 3:24:53 PM

Quant Time: Oct 05 05:15:11 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X092618W.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 03 04:00:03 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 94) Hexachlorobutadiene    | 13.79 | 225  | 108505   | 44.279 | ug/l  | 99       |
| 95) Naphthalene            | 13.83 | 128  | 809176   | 51.568 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 252572   | 51.740 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005040.D

Acq: 05 Oct 2018 00:57

Instrument :

MSVOA\_X

ClientSampleId :

SA-TW511-2125MSD

Tot Ion:168 Resp: 215412

Ion Ratio Lower Upper

168 100

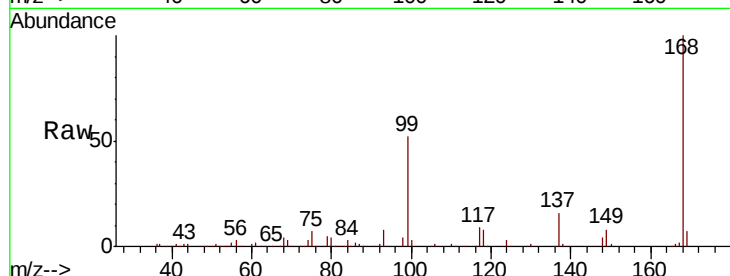
99 52.0 39.3 58.9

Manual Integrations

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10/5/2018 3:24:53 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

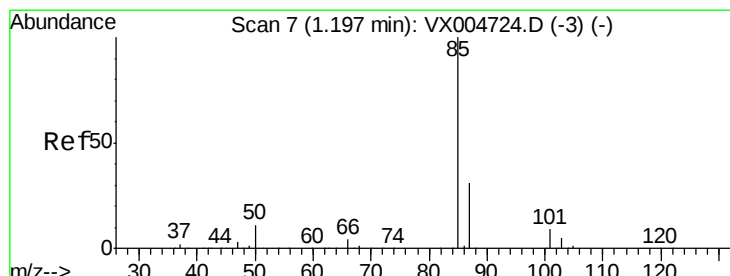
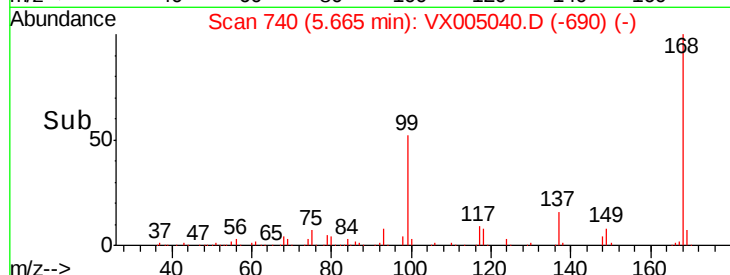
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 53.235 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005040.D

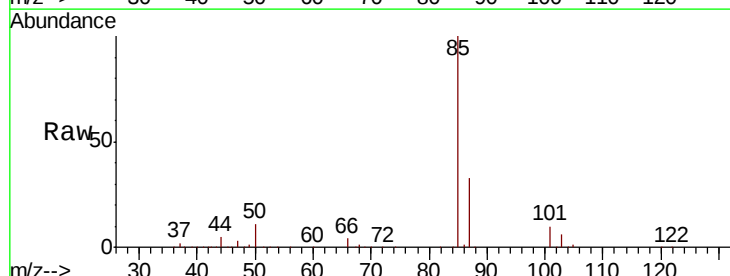
Acq: 05 Oct 2018 00:57

Tgt Ion: 85 Resp: 156355

Ion Ratio Lower Upper

85 100

87 32.9 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

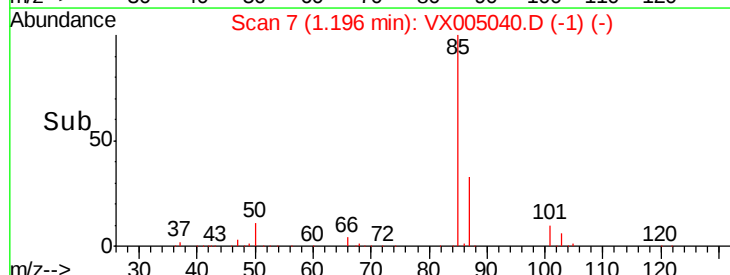
150000

100000

50000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 49.685 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005040.D

Acq: 05 Oct 2018 00:57

Instrument :

MSVOA\_X

ClientSampleId :

SA-TW511-2125MSD

Tot Ion: 50 Resp: 177047

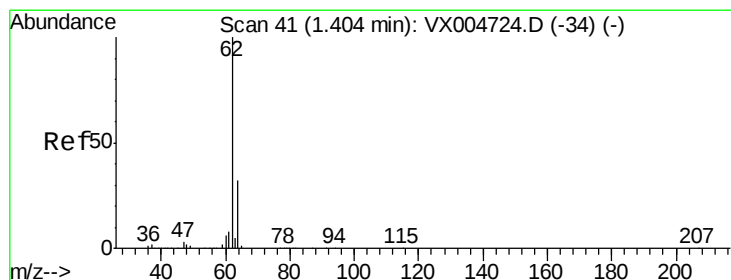
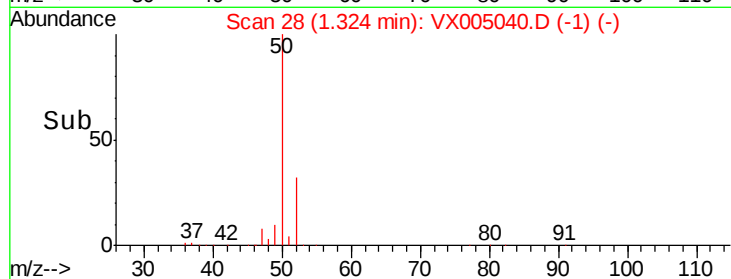
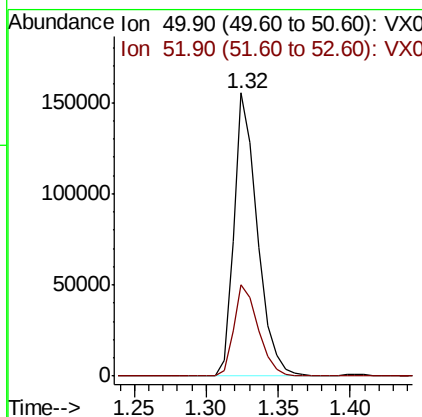
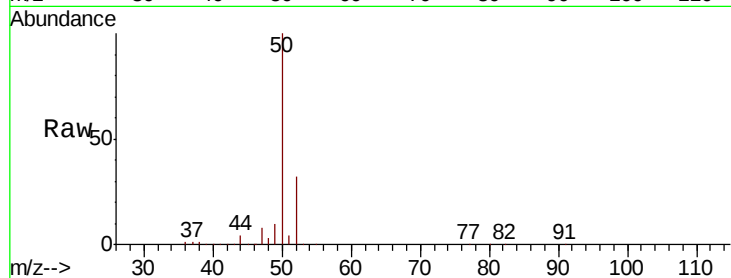
Ion Ratio Lower Upper

50 100

52 32.1 25.8 38.6

Manual Integrations  
APPROVED

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10/5/2018 3:24:53 PM



#4

Vinyl Chloride

Concen: 52.559 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005040.D

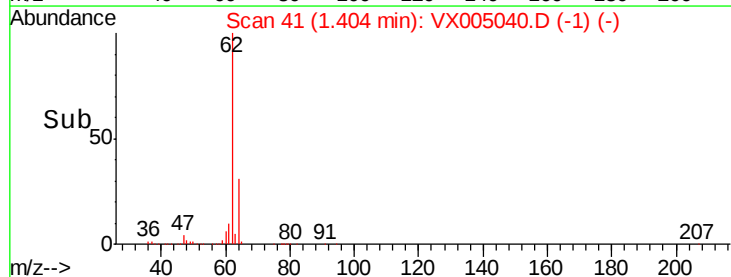
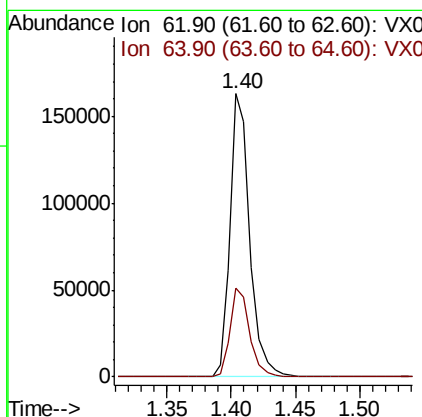
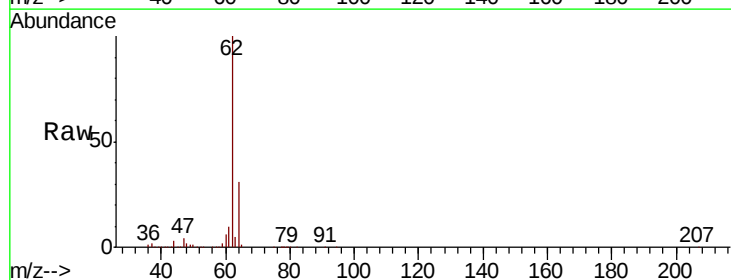
Acq: 05 Oct 2018 00:57

Tgt Ion: 62 Resp: 175658

Ion Ratio Lower Upper

62 100

64 31.3 25.5 38.3





#5

Bromomethane

Concen: 65.407 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005040.D

Acq: 05 Oct 2018 00:57

Instrument :

MSVOA\_X

ClientSampleId :

SA-TW511-2125MSD

Tot Ion: 94 Resp: 129627

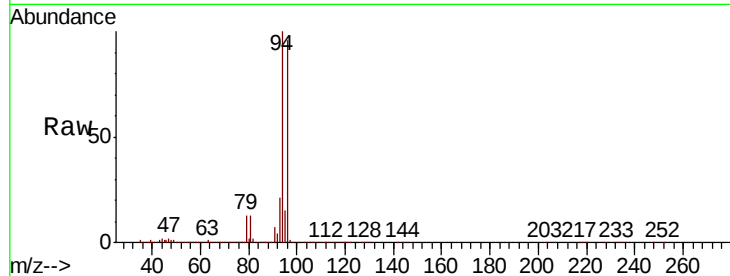
Ion Ratio Lower Upper

94 100

96 96.1 79.5 119.3

Manual Integrations  
APPROVED

MMDadoda  
10/5/2018 3:24:53 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

150000

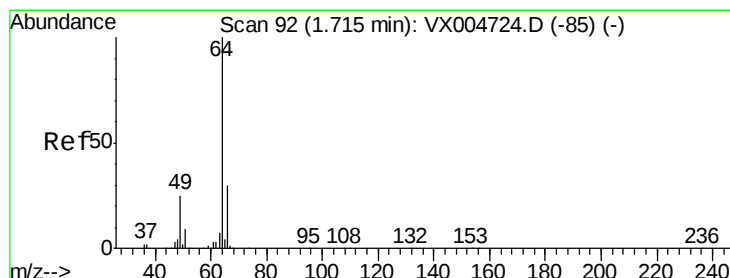
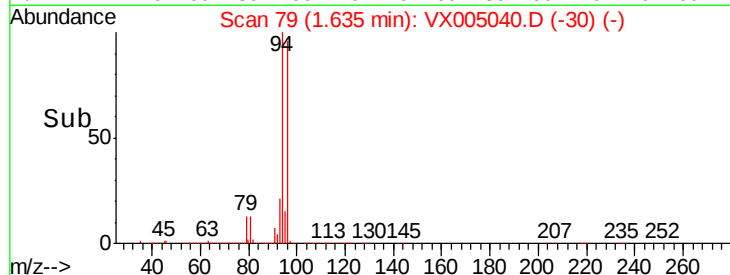
100000

50000

0

1.55 1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 57.310 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX005040.D

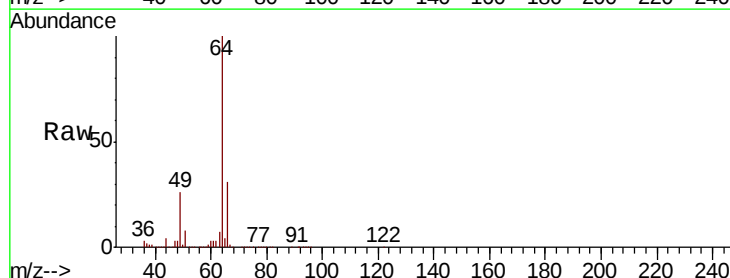
Acq: 05 Oct 2018 00:57

Tgt Ion: 64 Resp: 103762

Ion Ratio Lower Upper

64 100

66 31.1 23.8 35.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

80000

60000

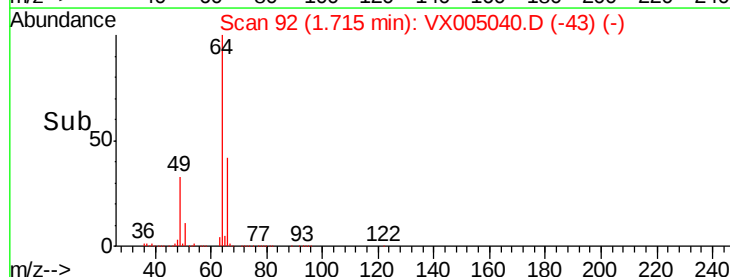
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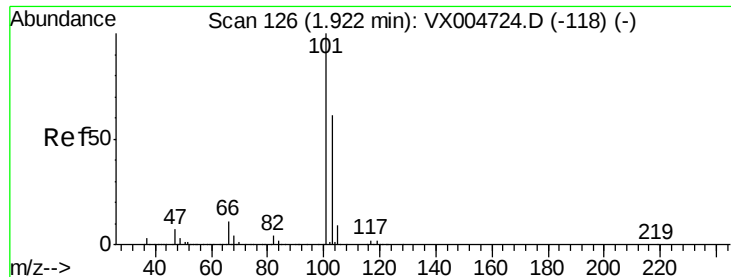
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0

1.70 1.80

Time-->





#7

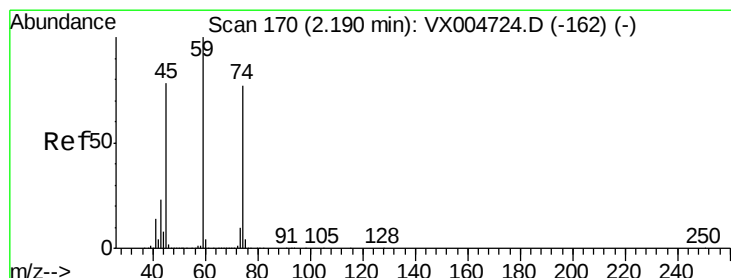
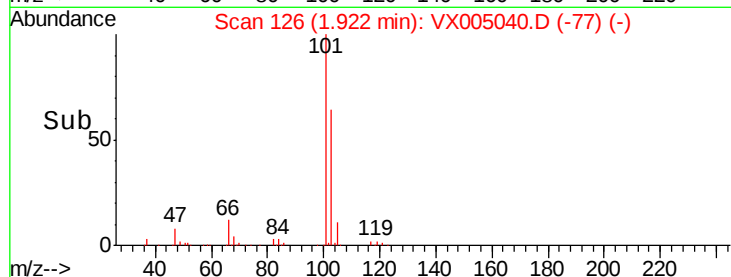
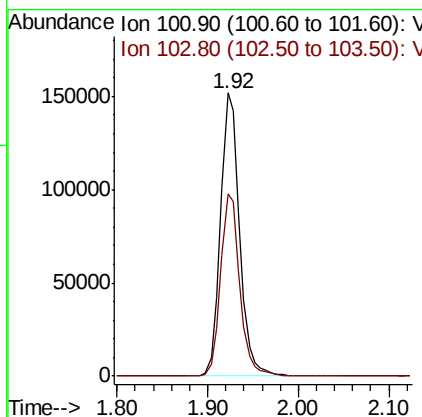
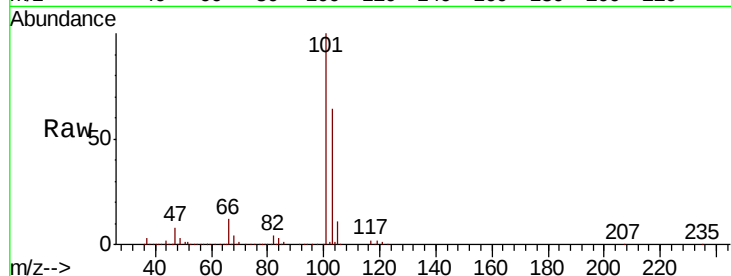
Trichlorofluoromethane  
 Concen: 54.110 ug/l  
 RT: 1.92 min Scan# 126  
 Delta R.T. -0.00 min  
 Lab File: VX005040.D  
 Acq: 05 Oct 2018 00:57

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-TW511-2125MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.4  | 48.4  | 72.6  |

Manual Integrations  
 APPROVED

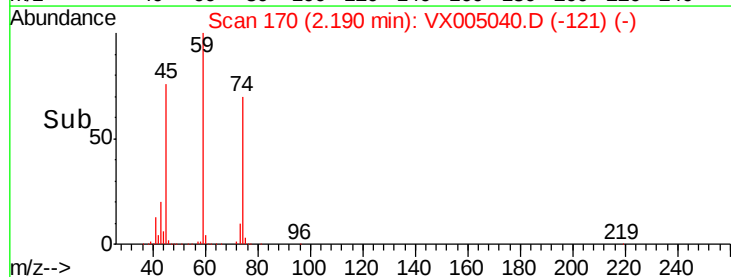
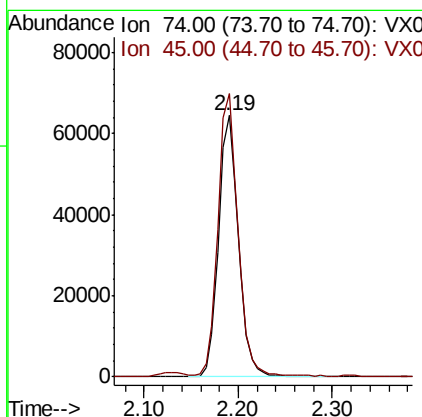
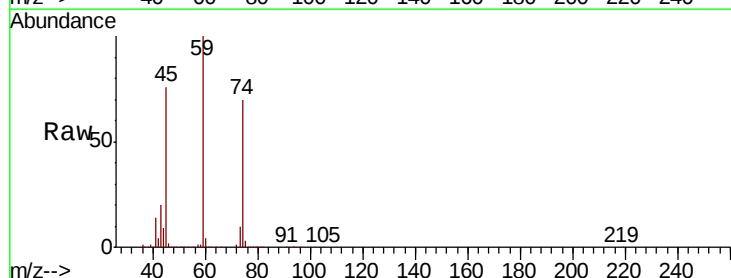
MMDadoda  
 10/5/2018 3:24:53 PM



#8

Diethyl Ether  
 Concen: 52.559 ug/l  
 RT: 2.19 min Scan# 170  
 Delta R.T. -0.00 min  
 Lab File: VX005040.D  
 Acq: 05 Oct 2018 00:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 107.7 | 52.5  | 157.6 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.283 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005040.D

Acq: 05 Oct 2018 00:57

Instrument :

MSVOA\_X

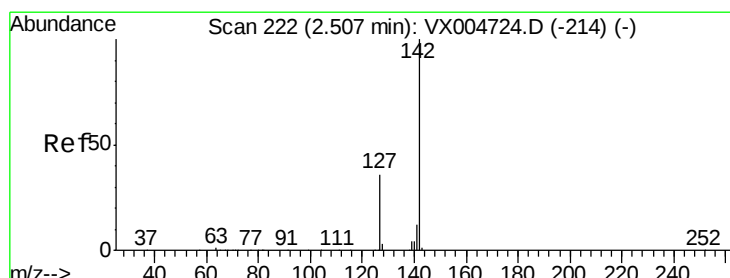
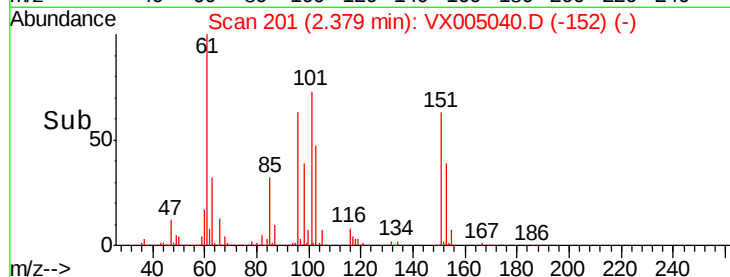
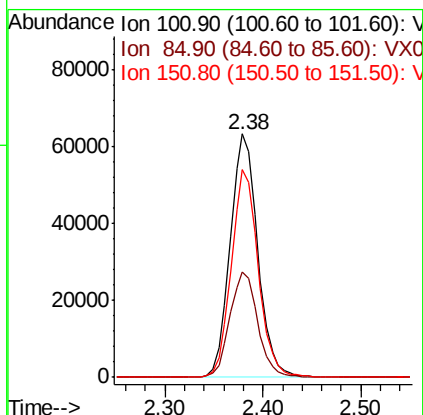
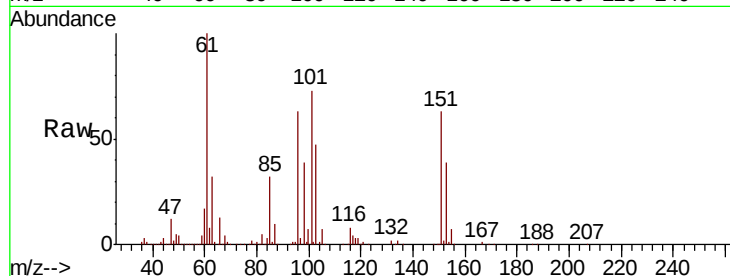
ClientSampleId :

SA-TW511-2125MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 123223 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 43.8  | 35.9  | 53.9   |
| 151       | 83.8  | 66.6  | 100.0  |

Manual Integrations  
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MMDadoda  
10/5/2018 3:24:53 PM



#10

Methyl Iodide

Concen: 47.038 ug/l

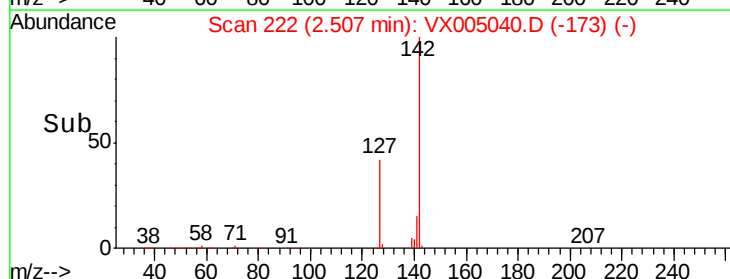
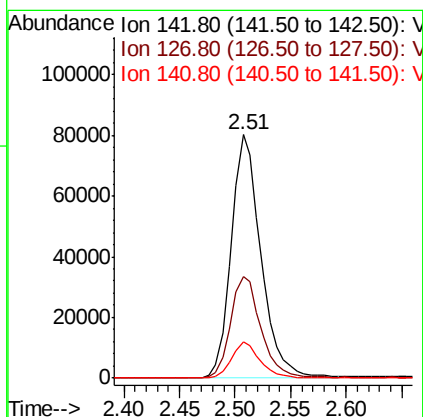
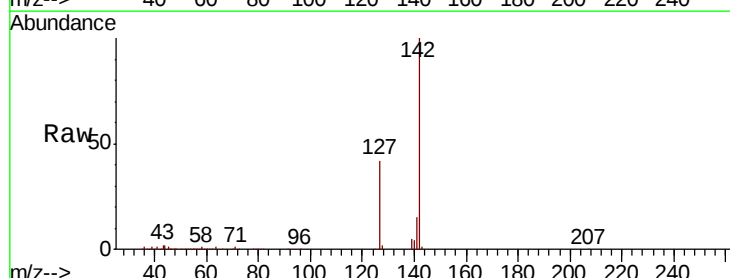
RT: 2.51 min Scan# 222

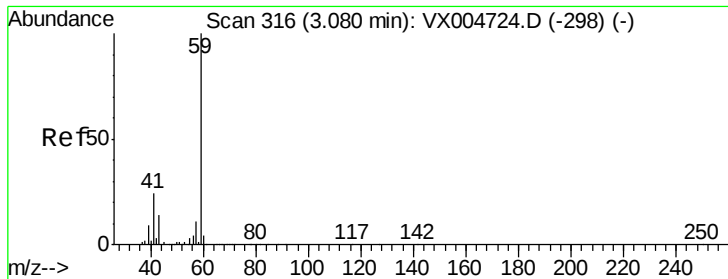
Delta R.T. -0.00 min

Lab File: VX005040.D

Acq: 05 Oct 2018 00:57

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 148348 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 42.6  | 30.1  | 45.1   |
| 141       | 14.3  | 10.1  | 15.1   |





#11

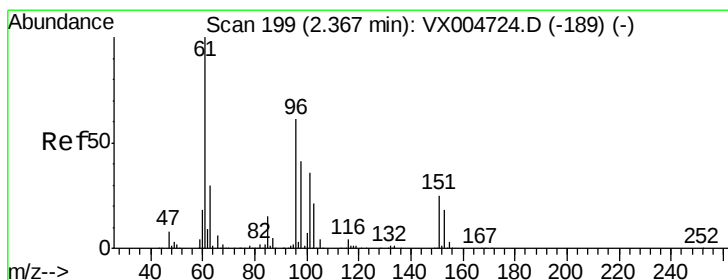
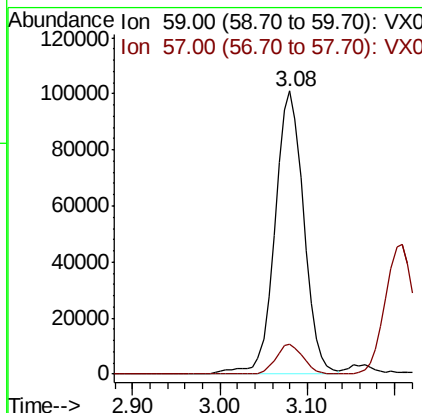
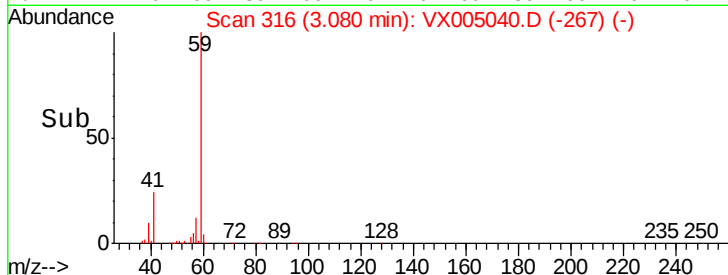
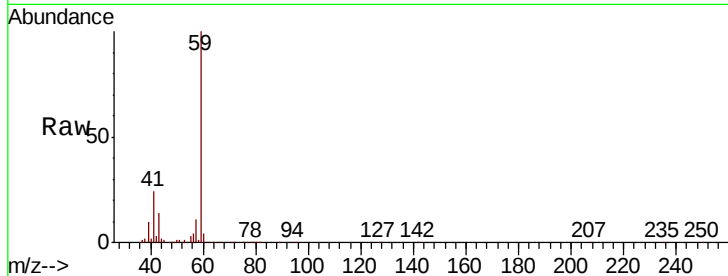
Tert butyl alcohol  
Concen: 269.513 ug/l  
RT: 3.08 min Scan# 316  
Delta R.T. -0.00 min  
Lab File: VX005040.D  
Acq: 05 Oct 2018 00:57

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-TW511-2125MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.1  | 8.6   | 12.8  |

Manual Integrations  
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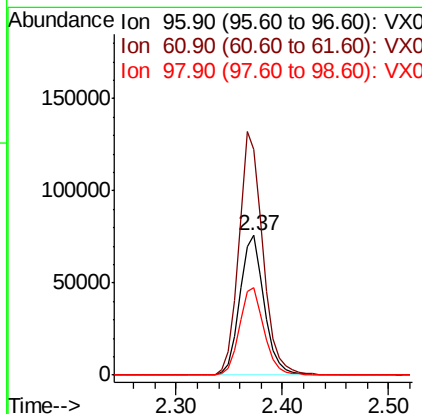
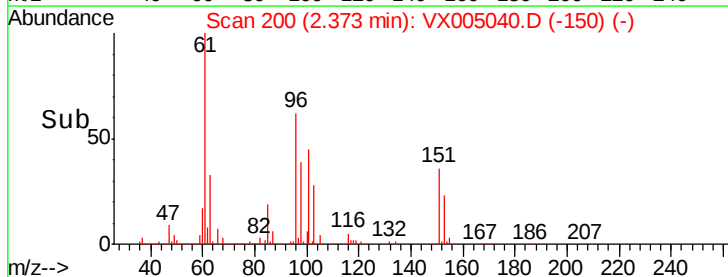
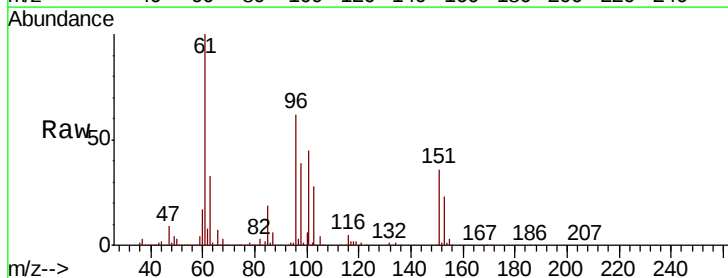
MMDadoda  
10/5/2018 3:24:53 PM

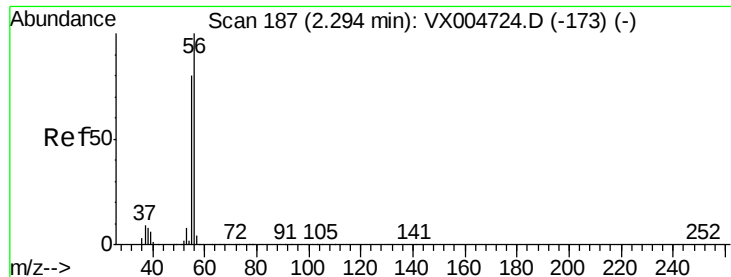


#12

1,1-Dichloroethene  
Concen: 52.168 ug/l  
RT: 2.37 min Scan# 200  
Delta R.T. 0.01 min  
Lab File: VX005040.D  
Acq: 05 Oct 2018 00:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 161.4 | 130.2 | 195.4 |
| 98      | 63.0  | 53.4  | 80.0  |





#13

Acrolein

Concen: 67.174 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX005040.D

Acq: 05 Oct 2018 00:57

Instrument :

MSVOA\_X

ClientSampleId :

SA-TW511-2125MSD

Tot Ion: 56 Resp: 41122

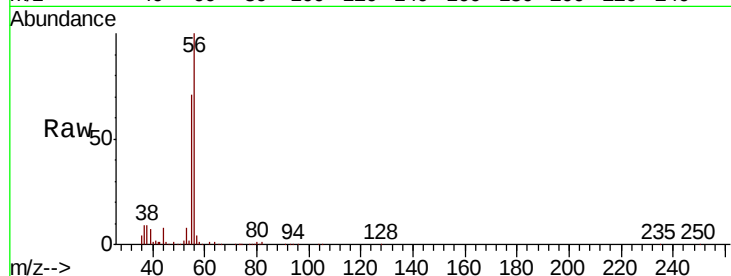
Ion Ratio Lower Upper

56 100

55 71.8 63.4 95.2

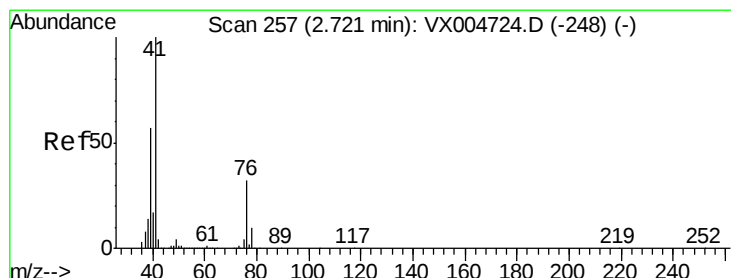
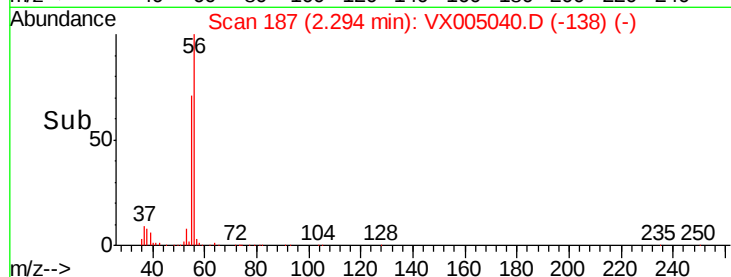
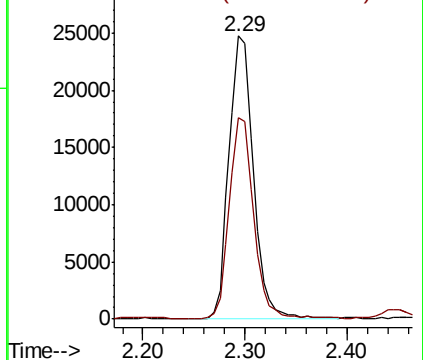
Manual Integrations  
APPROVED

MMDadoda  
10/5/2018 3:24:53 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 53.556 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005040.D

Acq: 05 Oct 2018 00:57

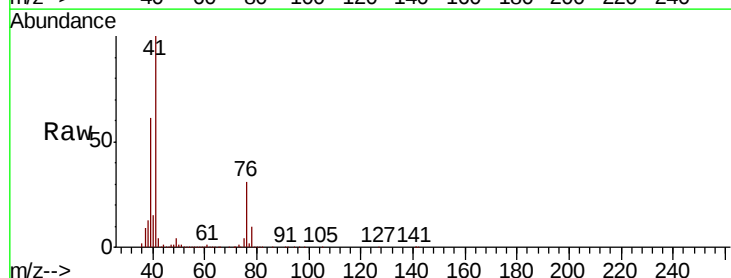
Tgt Ion: 41 Resp: 272747

Ion Ratio Lower Upper

41 100

39 57.1 44.1 66.1

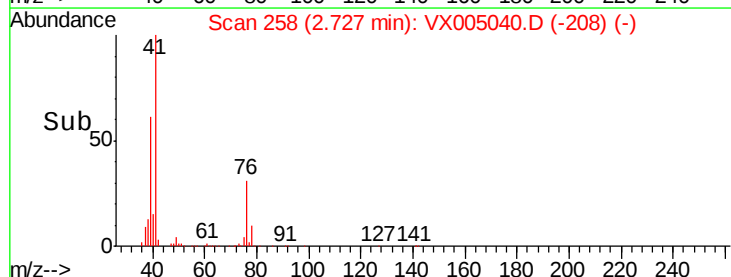
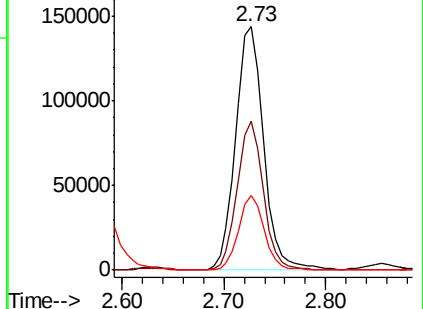
76 28.0 25.0 37.4



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





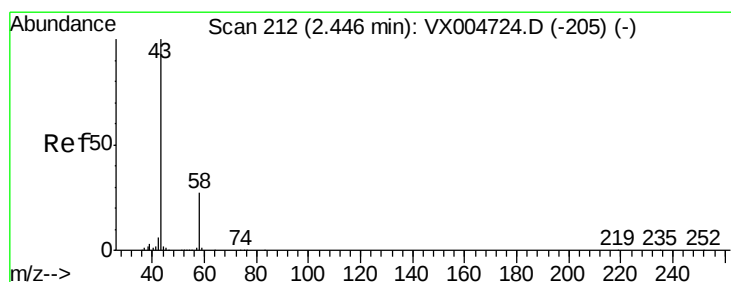
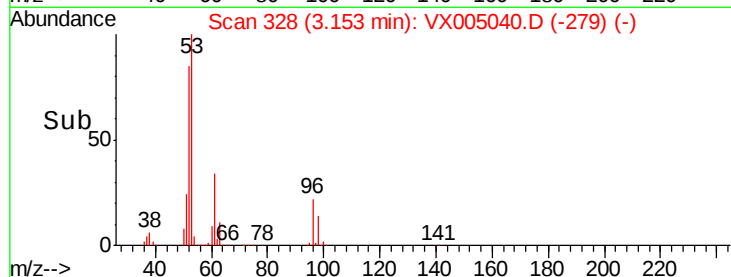
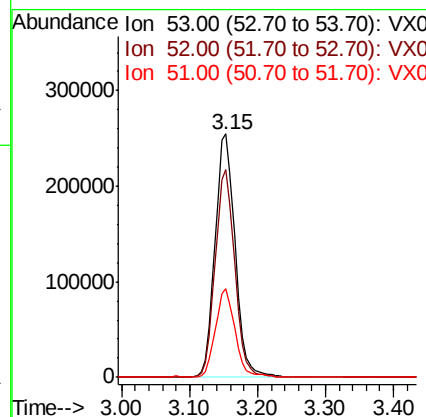
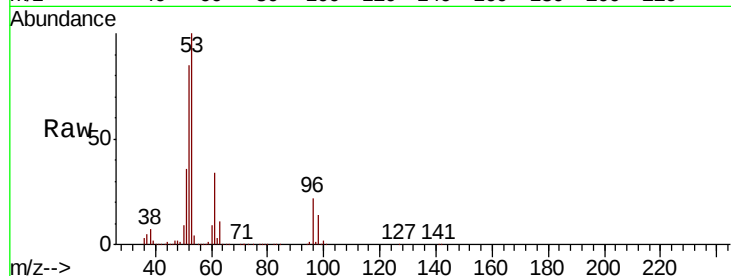
#15  
 Acrylonitrile  
 Concen: 275.416 ug/l  
 RT: 3.15 min Scan# 328  
 Delta R.T. -0.00 min  
 Lab File: VX005040.D  
 Acq: 05 Oct 2018 00:57

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-TW511-2125MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 53      | 100   |       |       |
| 52      | 83.4  | 63.0  | 94.4  |
| 51      | 35.6  | 28.6  | 42.8  |

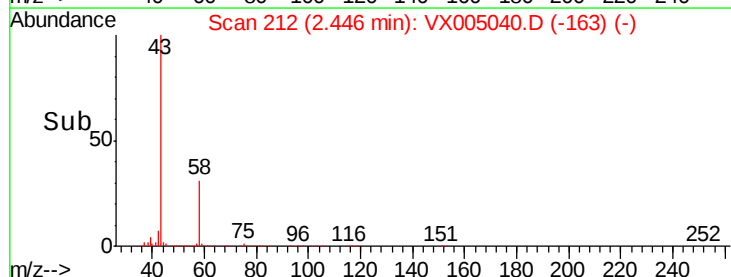
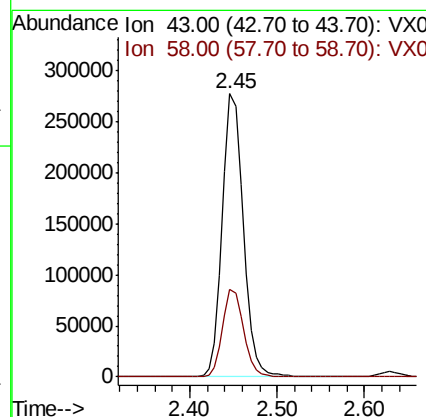
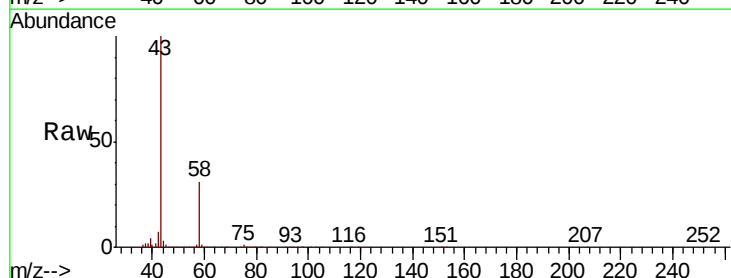
Manual Integrations  
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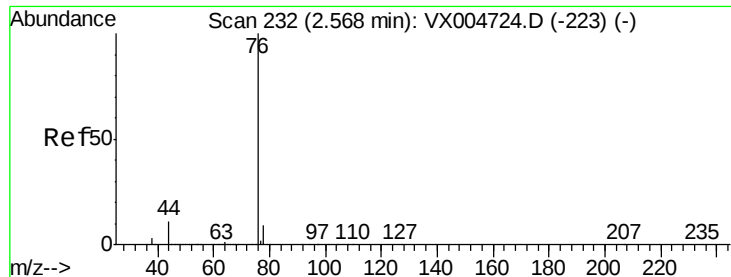
MMDadoda  
 10/5/2018 3:24:53 PM



#16  
 Acetone  
 Concen: 256.642 ug/l  
 RT: 2.45 min Scan# 212  
 Delta R.T. -0.00 min  
 Lab File: VX005040.D  
 Acq: 05 Oct 2018 00:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 31.0  | 21.8  | 32.6  |





#17

Carbon Disulfide

Concen: 47.340 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005040.D

Acq: 05 Oct 2018 00:57

Instrument :

MSVOA\_X

ClientSampleId :

SA-TW511-2125MSD

Tot Ion: 76 Resp: 332025

Ion Ratio Lower Upper

76 100

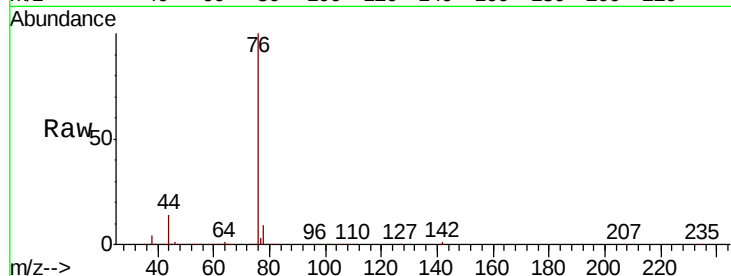
78 9.0 7.0 10.6

Manual Integrations

APPROVED

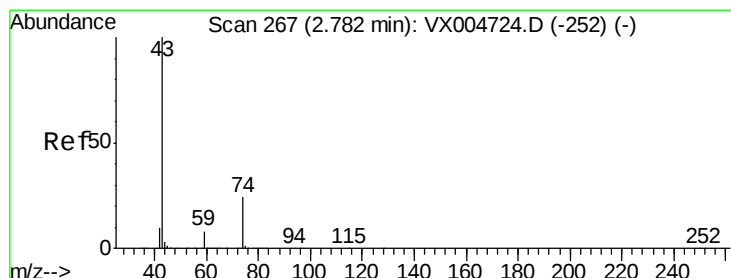
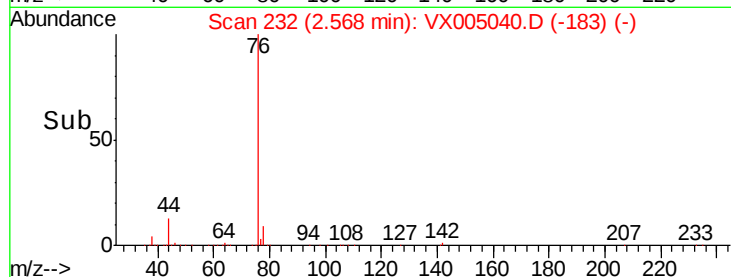
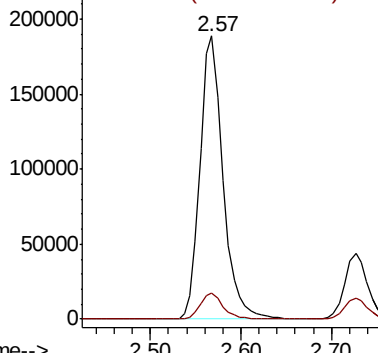
MMDadoda

10/5/2018 3:24:53 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 54.475 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX005040.D

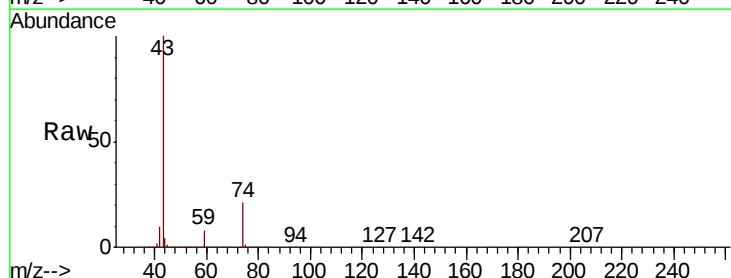
Acq: 05 Oct 2018 00:57

Tgt Ion: 43 Resp: 247950

Ion Ratio Lower Upper

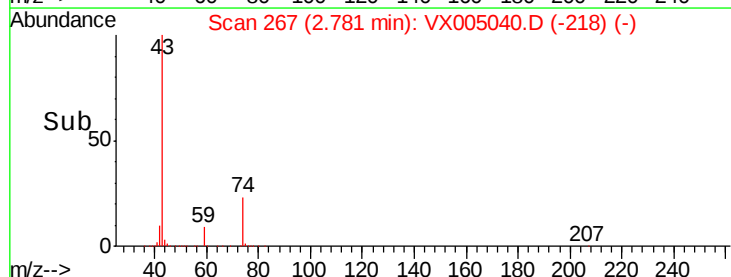
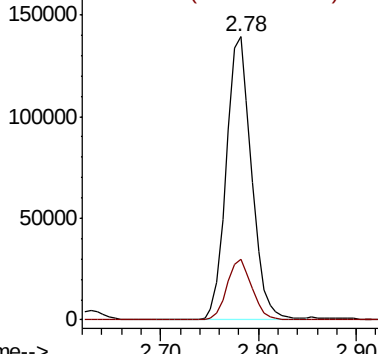
43 100

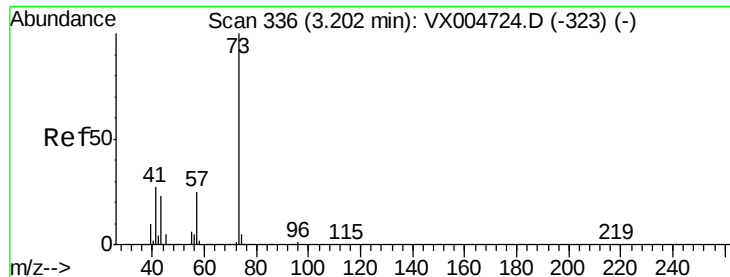
74 21.4 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





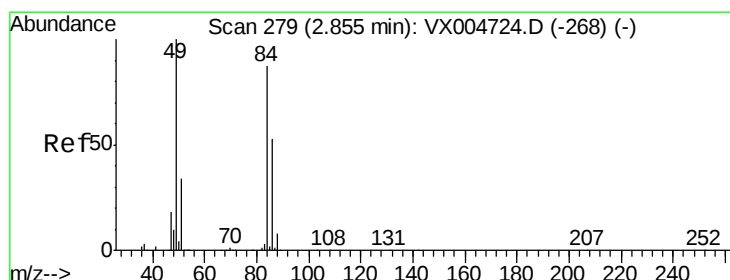
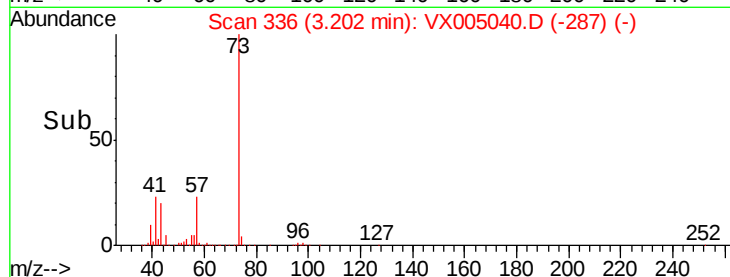
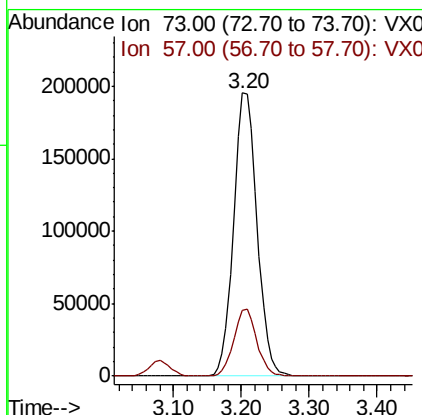
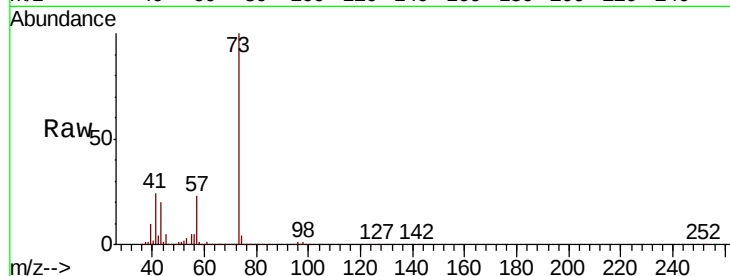
#19  
Methvl tert-butvl Ether  
Concen: 58.110 ug/l  
RT: 3.20 min Scan# 336  
Delta R.T. -0.00 min  
Lab File: VX005040.D  
Acq: 05 Oct 2018 00:57

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-TW511-2125MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 23.3  | 19.9  | 29.9  |

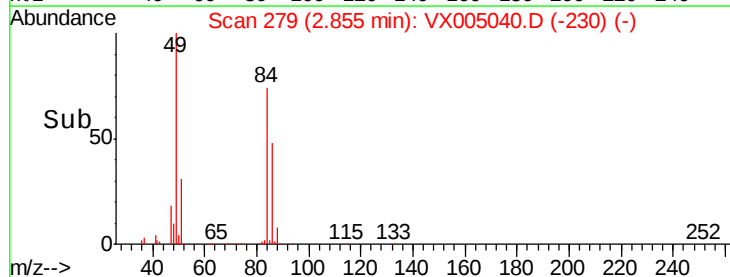
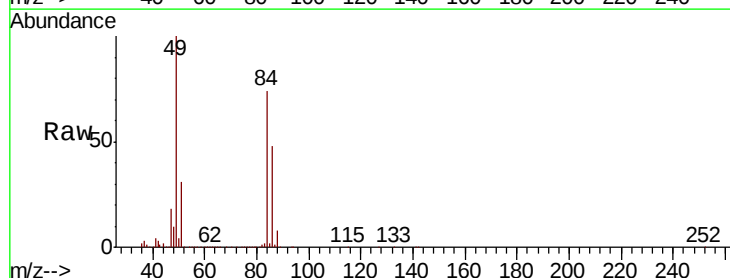
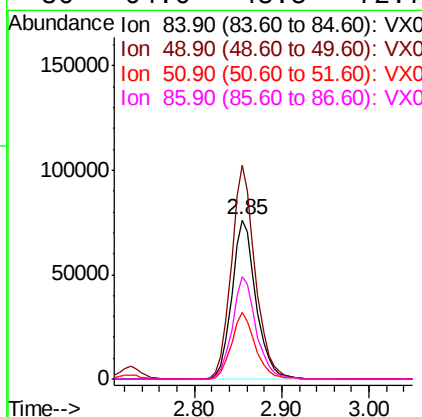
Manual Integrations  
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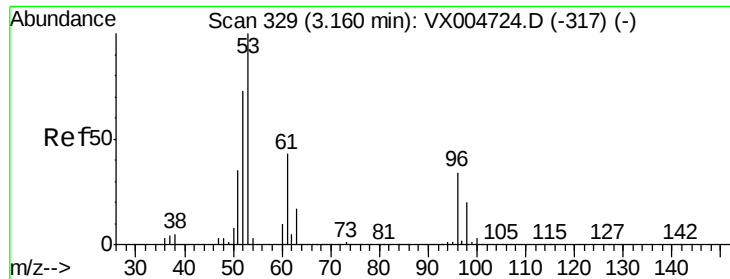
MMDadoda  
10/5/2018 3:24:53 PM



#20  
Methylene Chloride  
Concen: 55.806 ug/l  
RT: 2.85 min Scan# 279  
Delta R.T. -0.00 min  
Lab File: VX005040.D  
Acq: 05 Oct 2018 00:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 134.4 | 92.3  | 138.5 |
| 51      | 41.7  | 31.8  | 47.6  |
| 86      | 64.6  | 48.5  | 72.7  |





#21

trans-1,2-Dichloroethene

Concen: 51.043 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX005040.D

Acq: 05 Oct 2018 00:57

Instrument :

MSVOA\_X

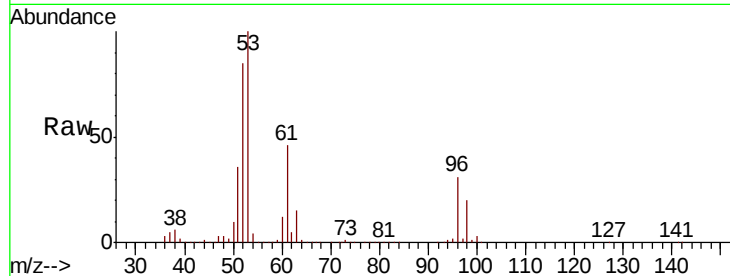
ClientSampleId :

SA-TW511-2125MSD

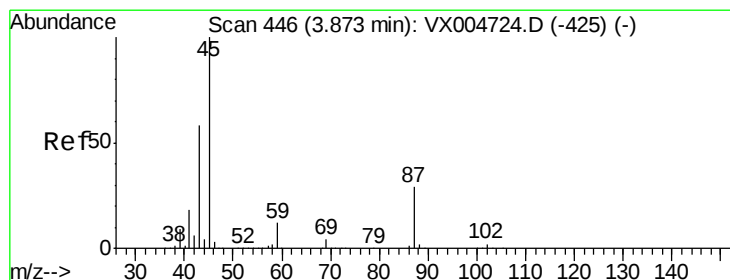
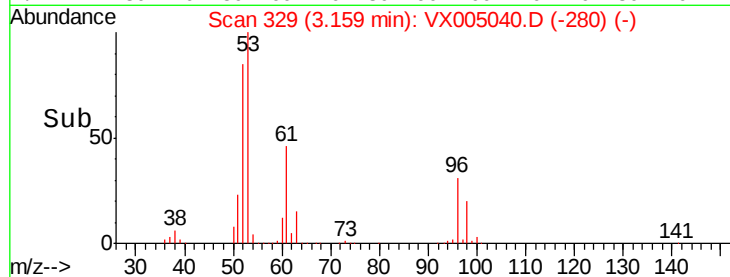
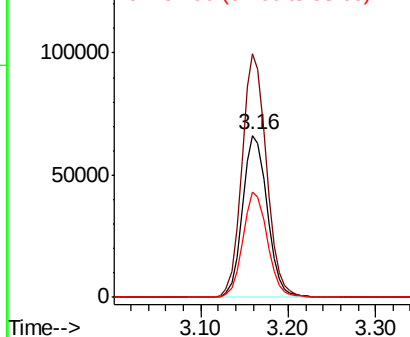
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 130417 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 149.9 | 101.0 | 151.6  |
| 98       | 65.2  | 47.2  | 70.8   |

Manual Integrations  
APPROVED

MMDadoda  
10/5/2018 3:24:53 PM



Abundance Ion 95.90 (95.60 to 96.60): VX0  
Ion 60.90 (60.60 to 61.60): VX0  
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 55.300 ug/l

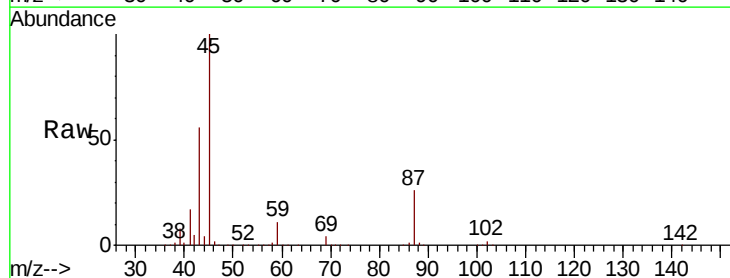
RT: 3.87 min Scan# 446

Delta R.T. -0.00 min

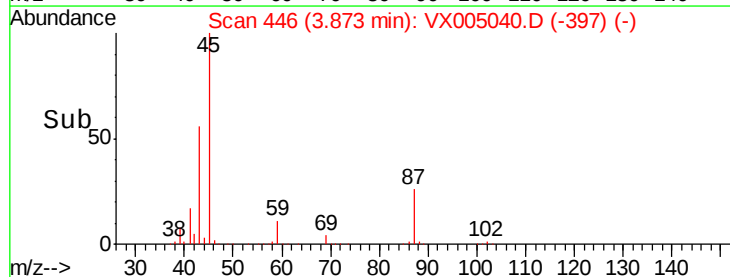
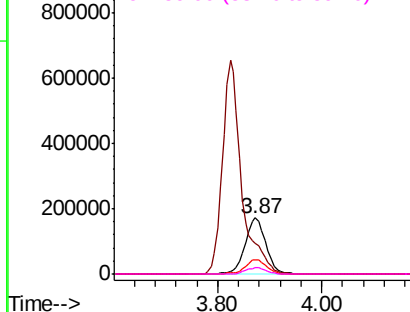
Lab File: VX005040.D

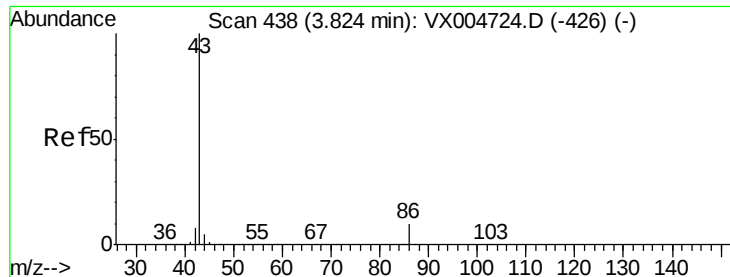
Acq: 05 Oct 2018 00:57

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 474238 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 55.7  | 46.7  | 70.1   |
| 87       | 25.8  | 22.9  | 34.3   |
| 59       | 11.2  | 9.3   | 13.9   |



Abundance Ion 45.00 (44.70 to 45.70): VX0  
Ion 43.00 (42.70 to 43.70): VX0  
Ion 87.00 (86.70 to 87.70): VX0  
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 216.571 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX005040.D

Acq: 05 Oct 2018 00:57

Instrument :

MSVOA\_X

ClientSampleId :

SA-TW511-2125MSD

Tot Ion: 43 Resp: 1700046

Ion Ratio Lower Upper

43 100

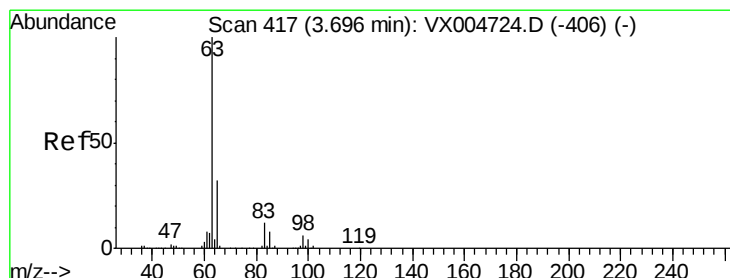
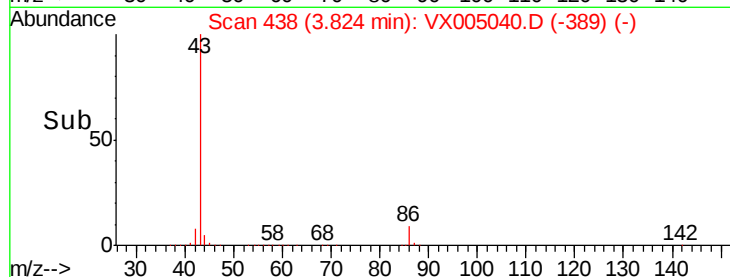
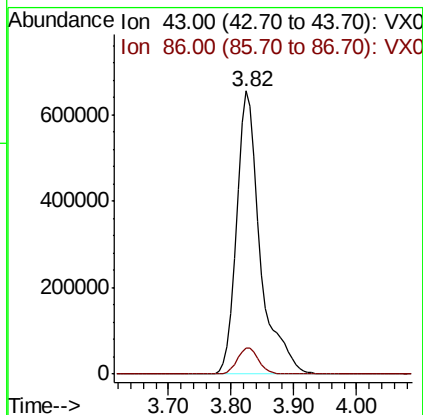
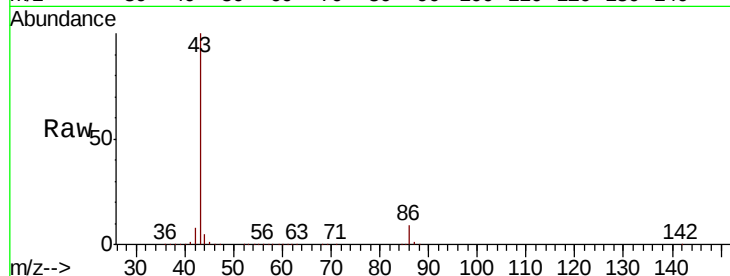
86 9.4 8.1 12.1

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 52.391 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX005040.D

Acq: 05 Oct 2018 00:57

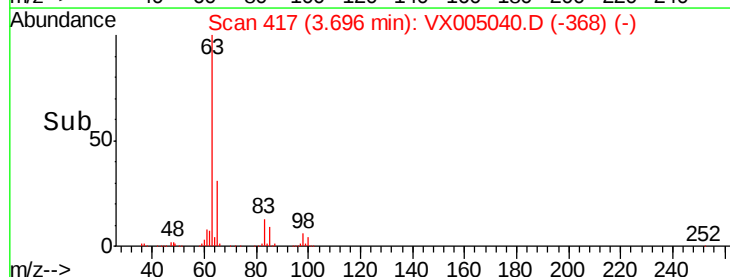
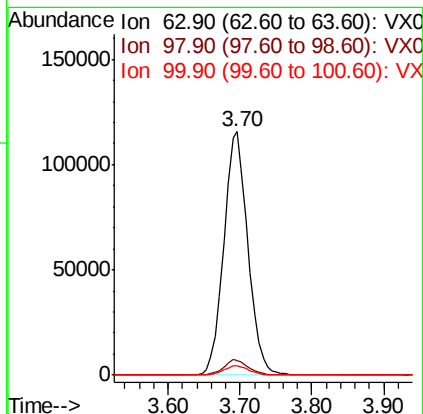
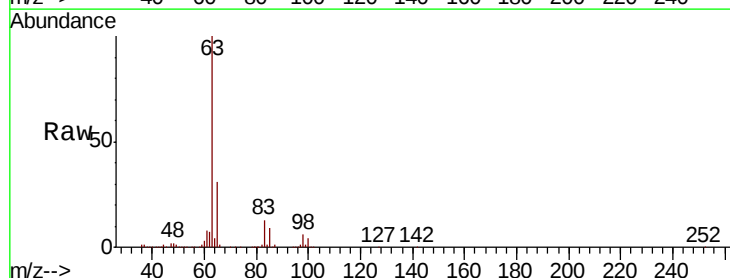
Tgt Ion: 63 Resp: 268007

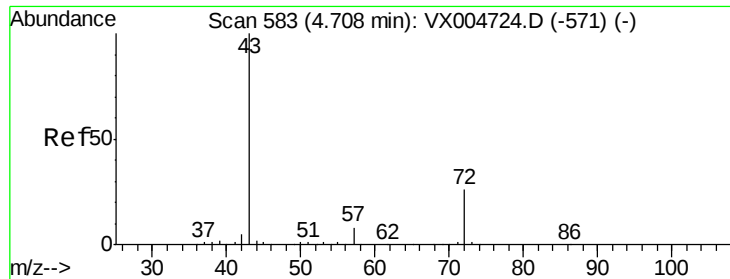
Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.2

100 3.8 2.0 5.8





#25

2-Butanone

Concen: 262.500 ug/l

RT: 4.71 min Scan# 583

Delta R.T. -0.00 min

Lab File: VX005040.D

Acq: 05 Oct 2018 00:57

Instrument :

MSVOA\_X

ClientSampleId :

SA-TW511-2125MSD

Tot Ion: 43 Resp: 695127

Ion Ratio Lower Upper

43 100

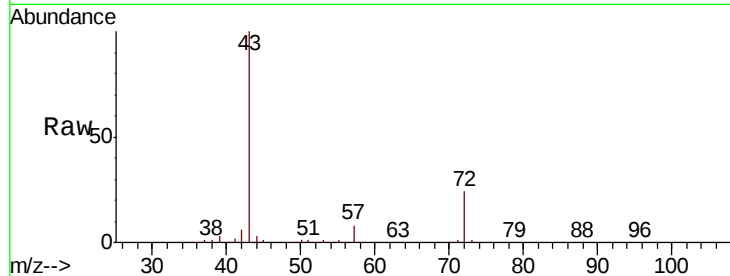
72 24.2 20.8 31.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

100000

50000

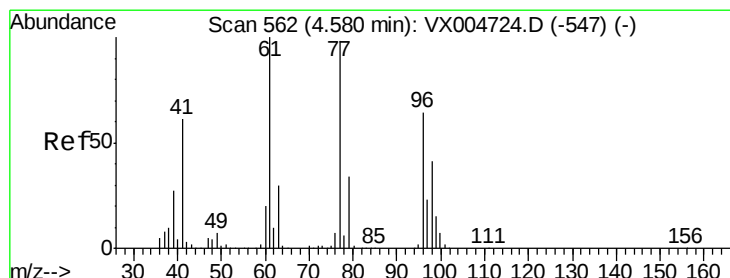
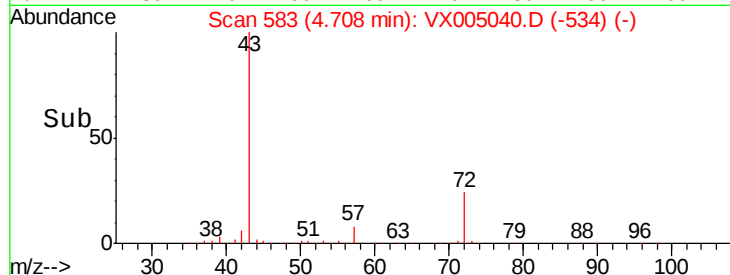
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 38.958 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX005040.D

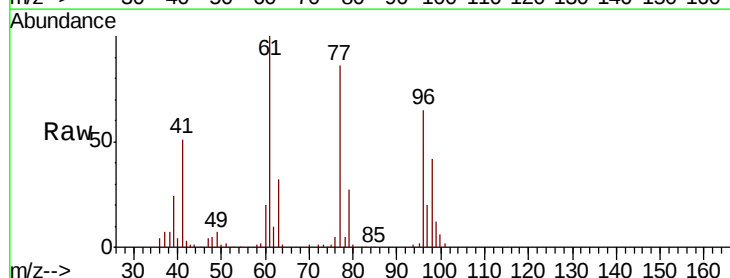
Acq: 05 Oct 2018 00:57

Tgt Ion: 77 Resp: 138776

Ion Ratio Lower Upper

77 100

97 24.6 12.6 37.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

50000

40000

30000

20000

10000

0

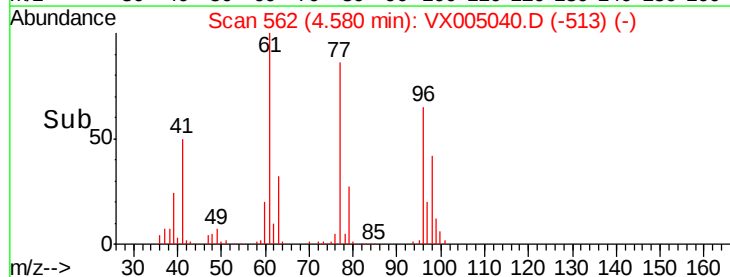
4.40

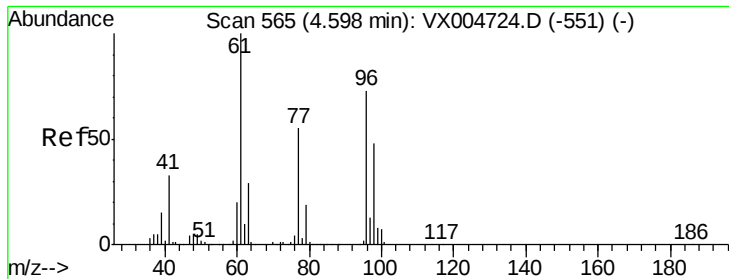
4.50

4.60

4.70

Time-->





#27

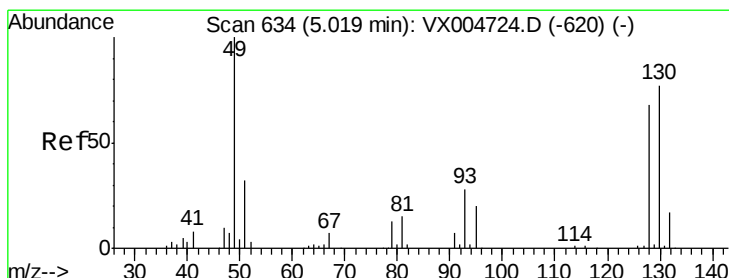
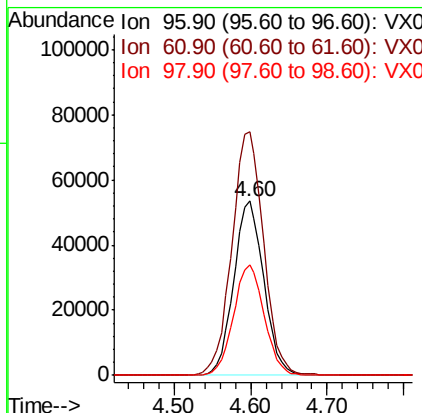
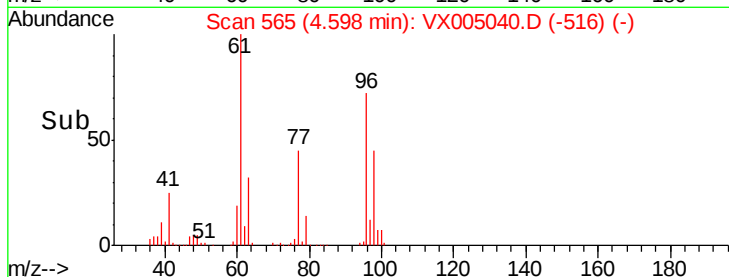
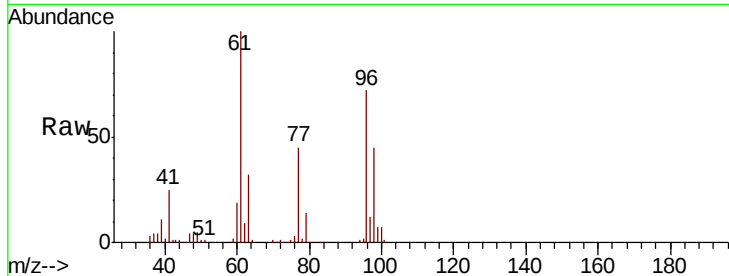
cis-1,2-Dichloroethene  
Concen: 51.012 ug/l  
RT: 4.60 min Scan# 565  
Delta R.T. -0.00 min  
Lab File: VX005040.D  
Acq: 05 Oct 2018 00:57

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-TW511-2125MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 146.8 | 0.0   | 285.8 |
| 98      | 64.7  | 0.0   | 136.2 |

Manual Integrations  
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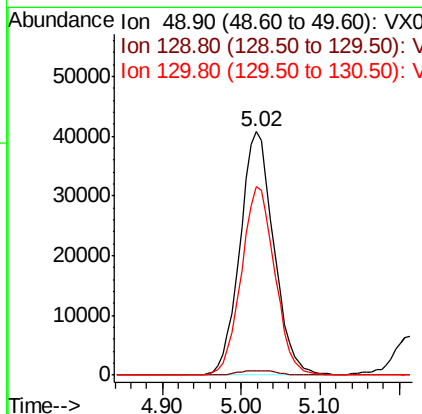
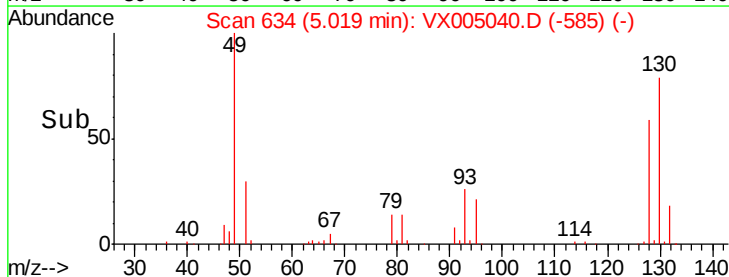
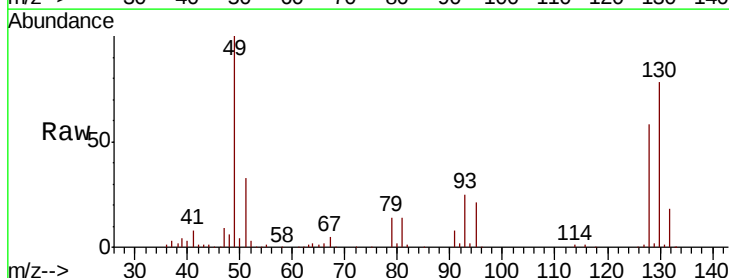
MMDadoda  
10/5/2018 3:24:53 PM

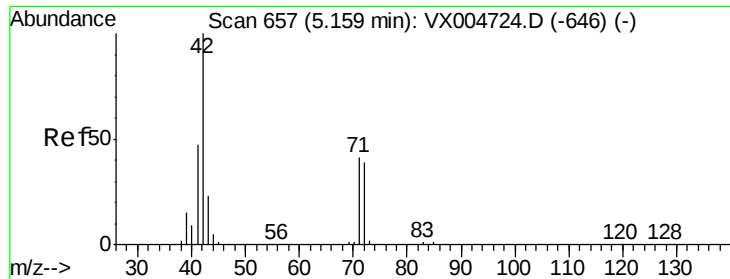


#28

Bromochloromethane  
Concen: 50.487 ug/l  
RT: 5.02 min Scan# 634  
Delta R.T. -0.00 min  
Lab File: VX005040.D  
Acq: 05 Oct 2018 00:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.0   | 0.0   | 4.2   |
| 130     | 76.4  | 62.0  | 93.0  |





#29

Tetrahydrofuran

Concen: 276.903 ug/l

RT: 5.16 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX005040.D

Acq: 05 Oct 2018 00:57

Instrument :

MSVOA\_X

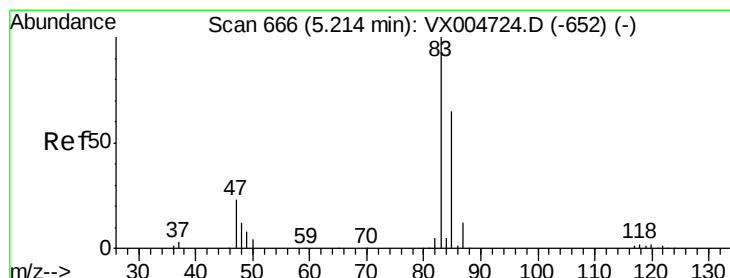
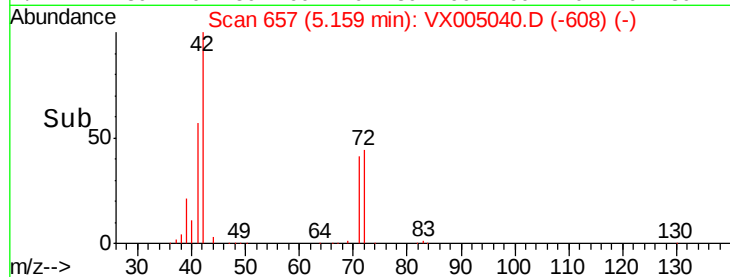
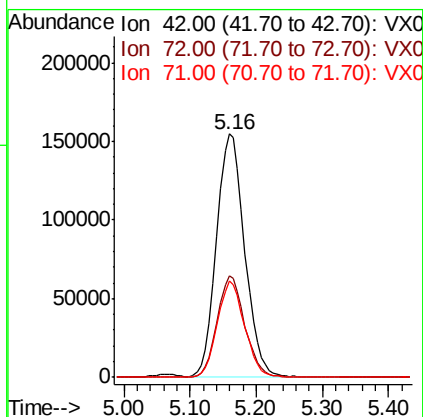
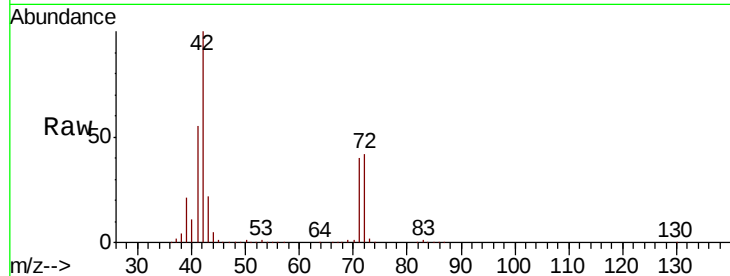
ClientSampleId :

SA-TW511-2125MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 42    | Resp: | 455752 |
| Ion Ratio | Lower | Upper |        |
| 42        | 100   |       |        |
| 72        | 41.1  | 33.7  | 50.5   |
| 71        | 38.6  | 32.2  | 48.4   |

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#30

Chloroform

Concen: 51.776 ug/l

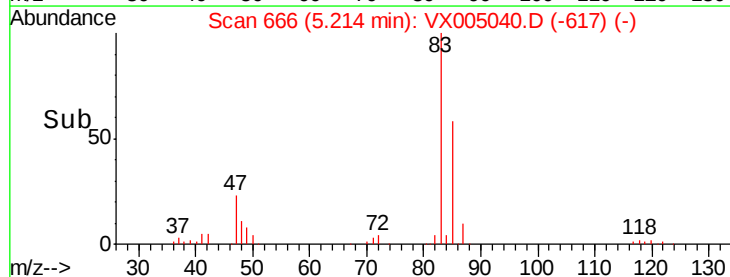
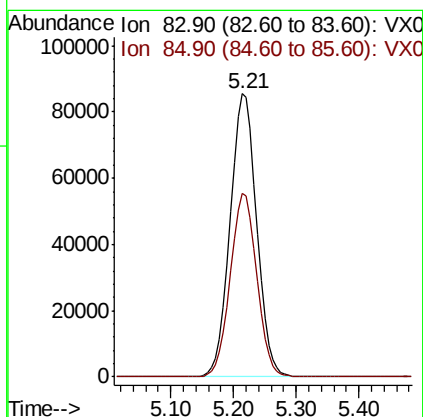
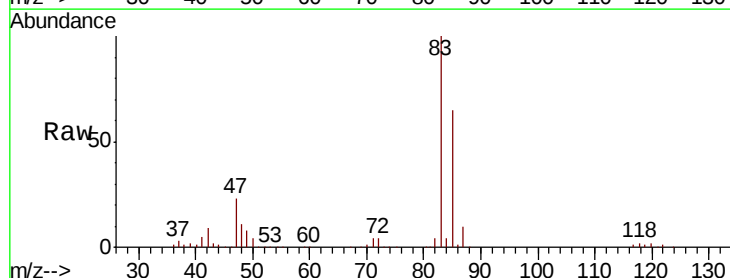
RT: 5.21 min Scan# 666

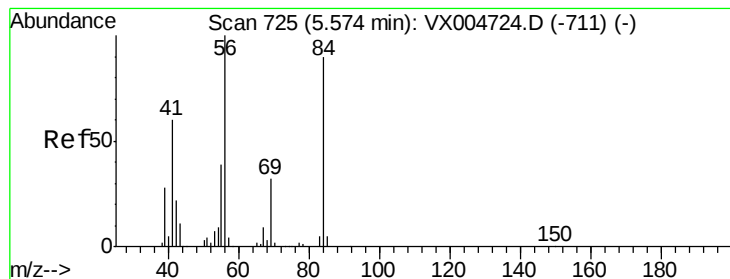
Delta R.T. -0.00 min

Lab File: VX005040.D

Acq: 05 Oct 2018 00:57

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 83    | Resp: | 250318 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 64.8  | 52.4  | 78.6   |





#31

Cyclohexane

Concen: 53.786 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX005040.D

Acq: 05 Oct 2018 00:57

Instrument :

MSVOA\_X

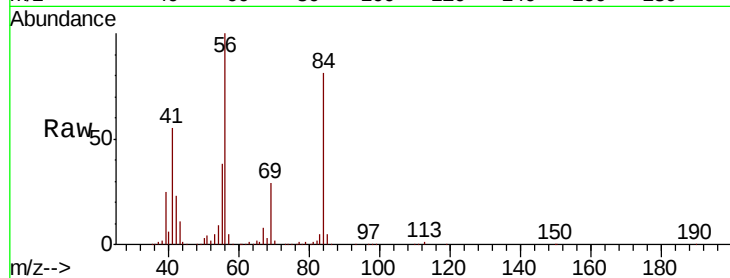
ClientSampleId :

SA-TW511-2125MSD

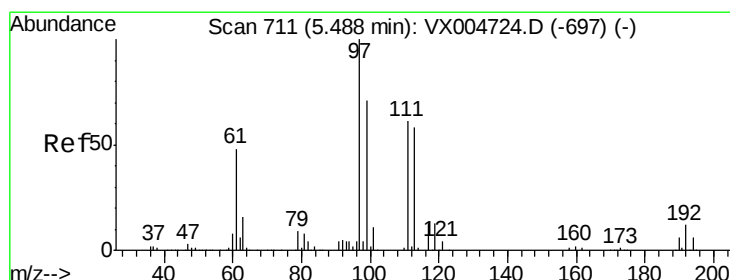
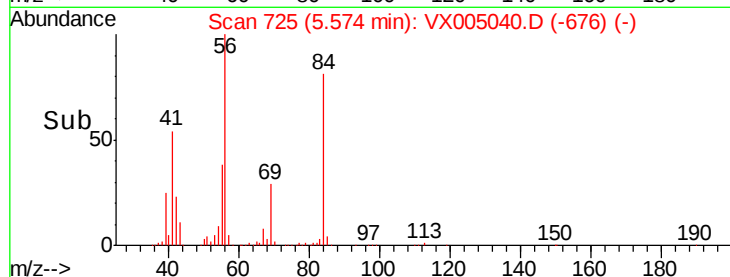
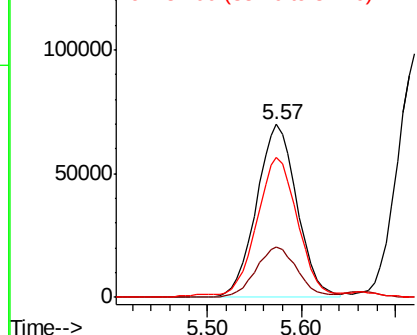
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 56    | Resp: | 210585 |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 28.9  | 25.9  | 38.9   |
| 84       | 79.6  | 71.9  | 107.9  |

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Abundance Ion 56.00 (55.70 to 56.70): VX0  
Ion 69.00 (68.70 to 69.70): VX0  
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 52.864 ug/l

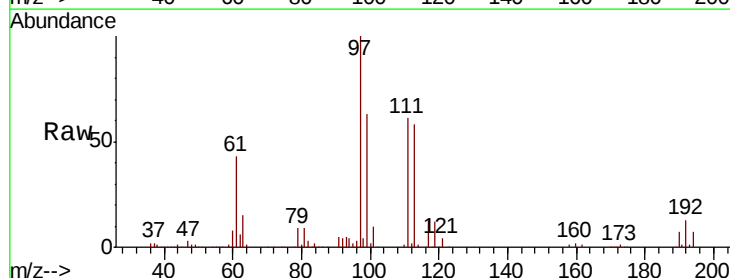
RT: 5.49 min Scan# 712

Delta R.T. 0.01 min

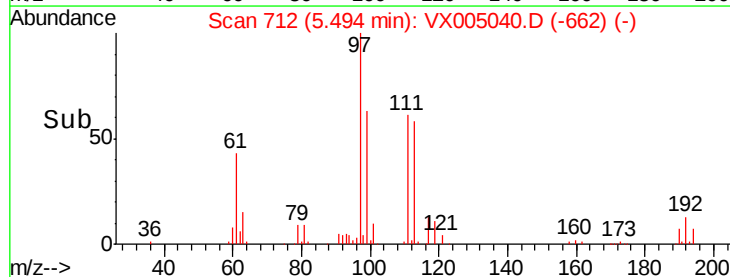
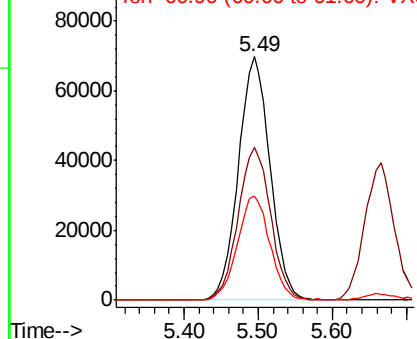
Lab File: VX005040.D

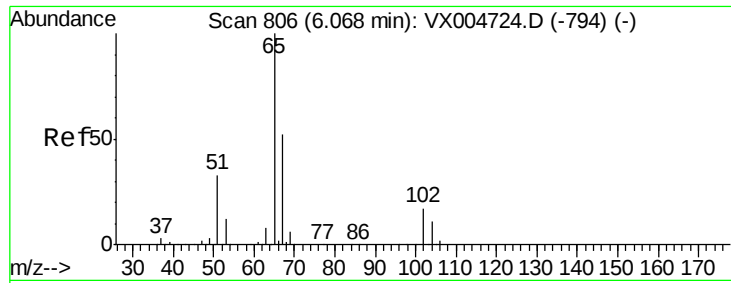
Acq: 05 Oct 2018 00:57

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 208725 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 64.4  | 54.6  | 82.0   |
| 61       | 43.9  | 37.5  | 56.3   |



Abundance Ion 96.90 (96.60 to 97.60): VX0  
Ion 98.90 (98.60 to 99.60): VX0  
Ion 60.90 (60.60 to 61.60): VX0





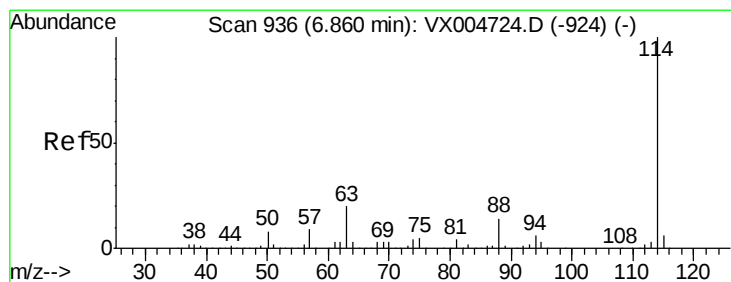
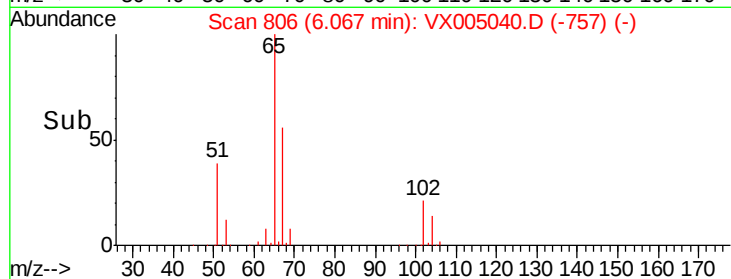
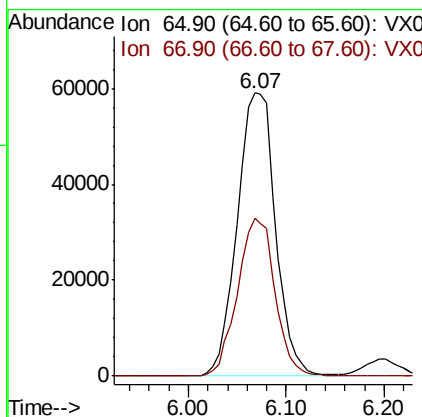
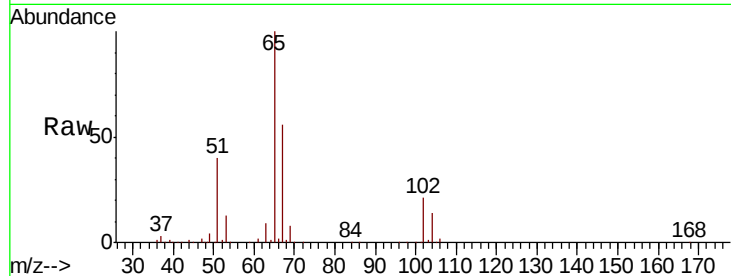
#33  
 1,2-Dichloroethane-d4  
 Concen: 52.201 ug/l  
 RT: 6.07 min Scan# 806  
 Delta R.T. -0.00 min  
 Lab File: VX005040.D  
 Acq: 05 Oct 2018 00:57

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-TW511-2125MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 54.5  | 0.0   | 107.4 |

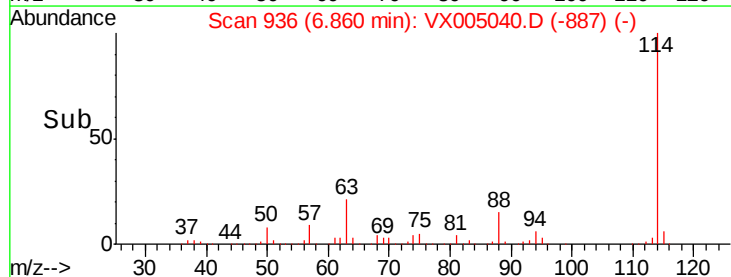
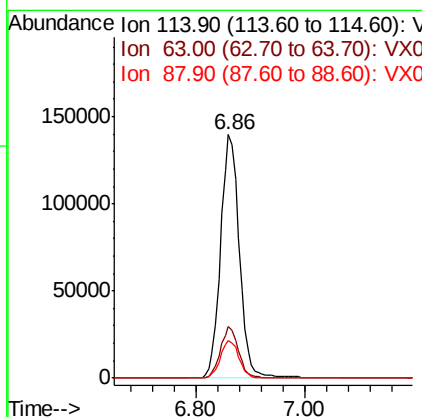
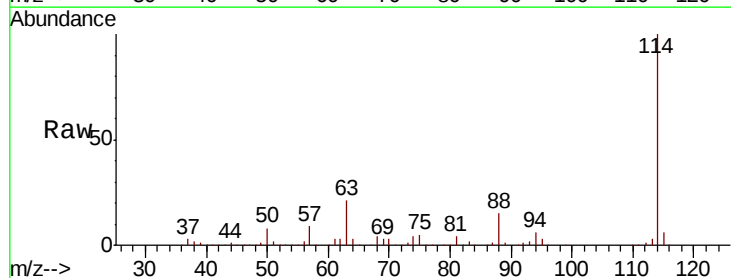
Manual Integrations  
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. -0.00 min  
 Lab File: VX005040.D  
 Acq: 05 Oct 2018 00:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 21.1  | 0.0   | 39.8  |
| 88      | 15.5  | 0.0   | 27.0  |





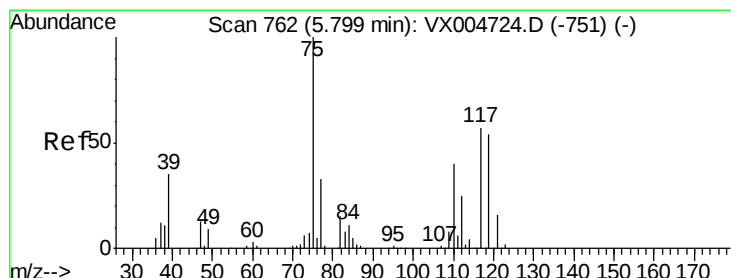
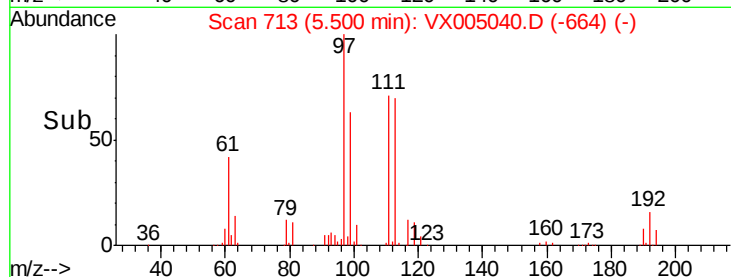
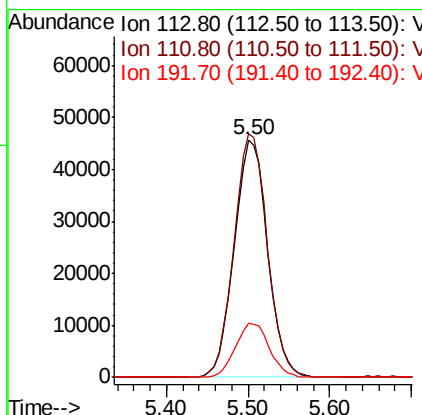
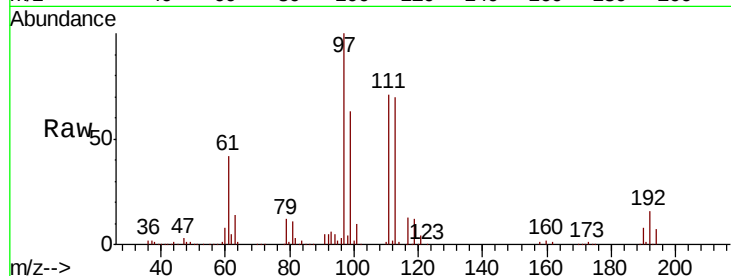
#35  
Dibromofluoromethane  
Concen: 45.401 ug/l  
RT: 5.50 min Scan# 713  
Delta R.T. -0.00 min  
Lab File: VX005040.D  
Acq: 05 Oct 2018 00:57

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-TW511-2125MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.7 | 77.0  | 115.4 |
| 192     | 23.3  | 17.0  | 25.6  |

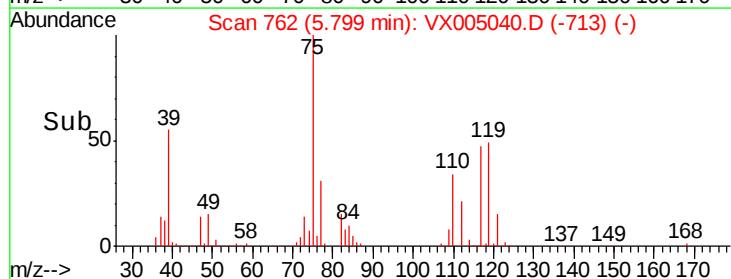
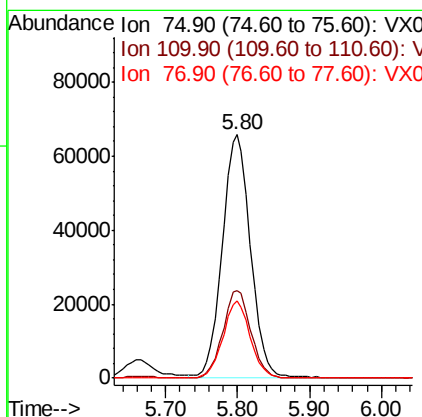
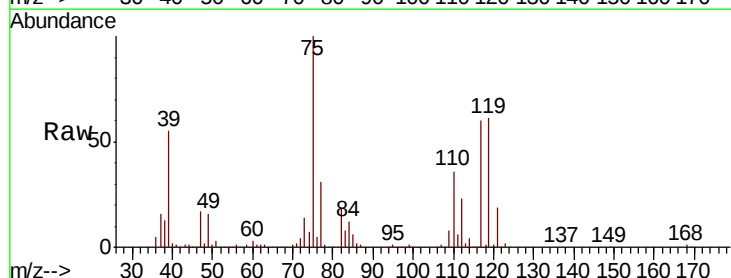
Manual Integrations  
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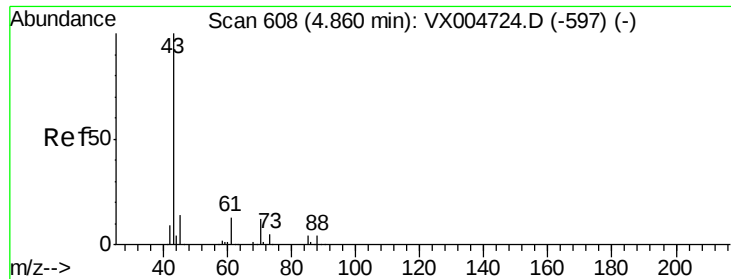
MMDadoda  
10/5/2018 3:24:53 PM



#36  
1,1-Dichloropropene  
Concen: 45.950 ug/l  
RT: 5.80 min Scan# 762  
Delta R.T. -0.00 min  
Lab File: VX005040.D  
Acq: 05 Oct 2018 00:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 35.9  | 20.0  | 59.9  |
| 77      | 30.3  | 27.1  | 40.7  |





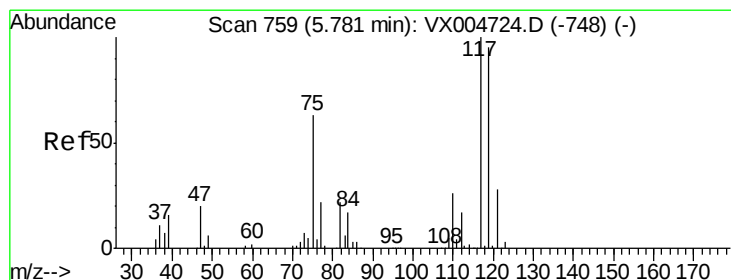
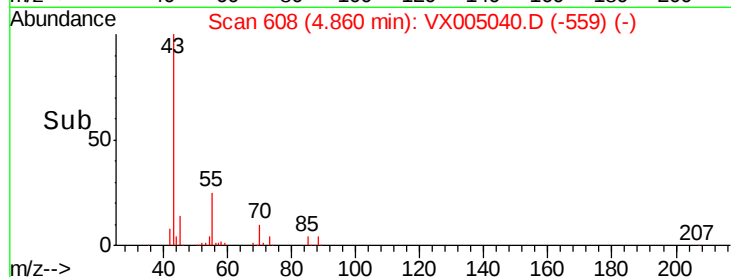
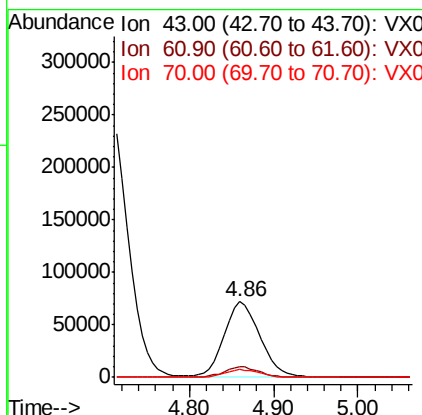
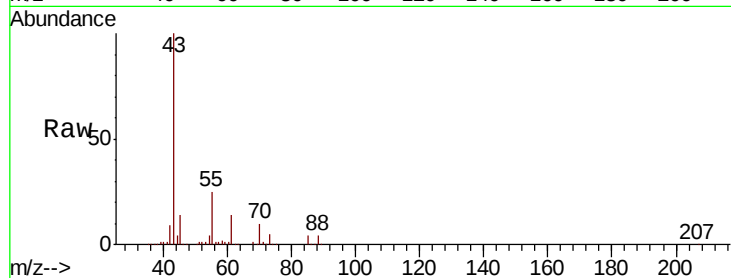
#37  
Ethyl Acetate  
Concen: 40.405 ug/l  
RT: 4.86 min Scan# 608  
Delta R.T. -0.00 min  
Lab File: VX005040.D  
Acq: 05 Oct 2018 00:57

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-TW511-2125MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.5  | 10.4  | 15.6  |
| 70      | 10.3  | 8.7   | 13.1  |

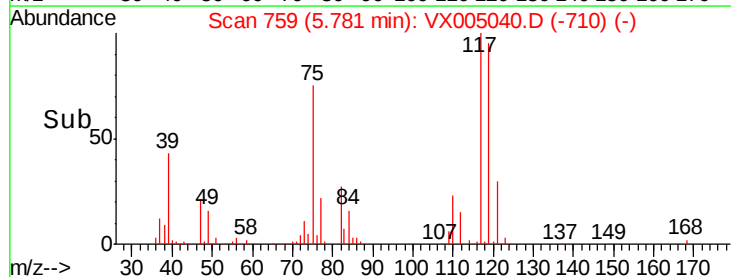
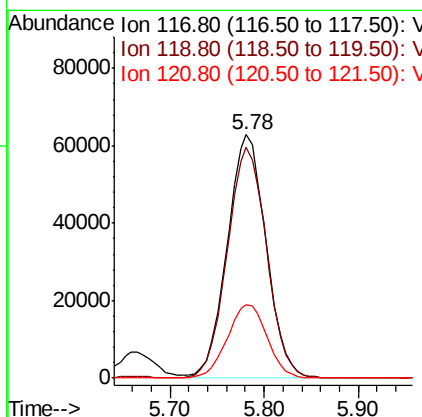
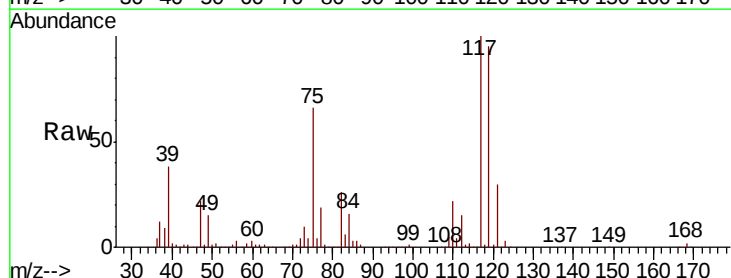
Manual Integrations  
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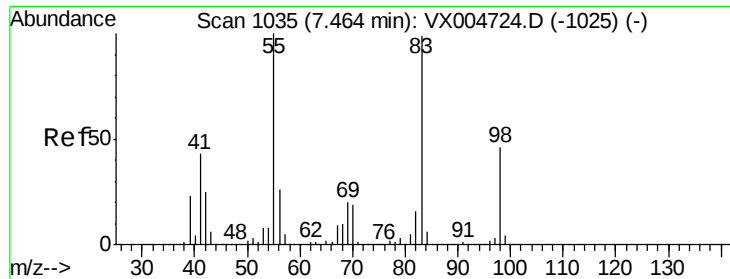
MMDadoda  
10/5/2018 3:24:53 PM



#38  
Carbon Tetrachloride  
Concen: 44.302 ug/l  
RT: 5.78 min Scan# 759  
Delta R.T. -0.00 min  
Lab File: VX005040.D  
Acq: 05 Oct 2018 00:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 94.6  | 75.2  | 112.8 |
| 121     | 30.1  | 22.5  | 33.7  |





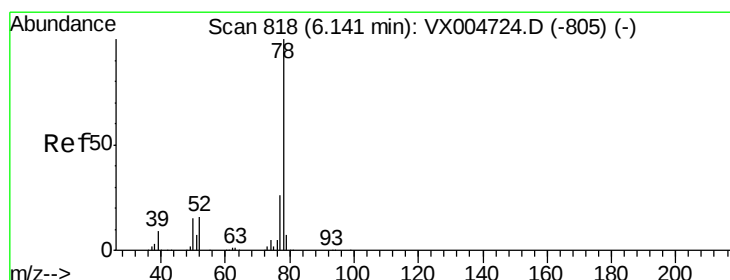
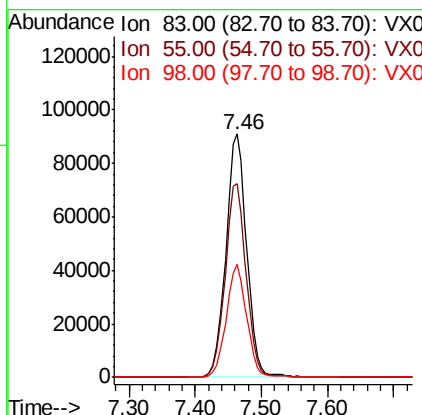
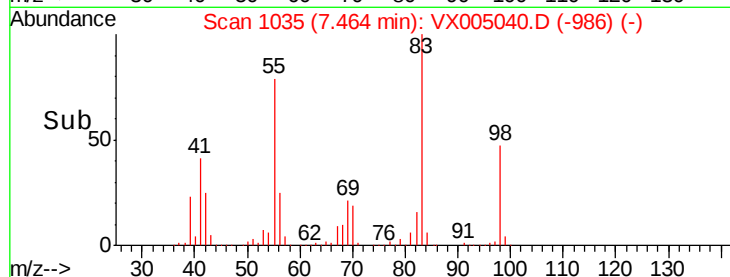
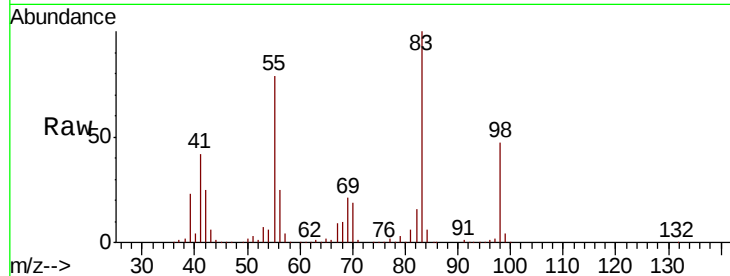
#39  
Methvlcvclohexane  
Concen: 50.075 ug/l  
RT: 7.46 min Scan# 1035  
Delta R.T. -0.00 min  
Lab File: VX005040.D  
Acq: 05 Oct 2018 00:57

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-TW511-2125MSD

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 83      | 100   |       |        |
| 55      | 79.5  | 81.1  | 121.7# |
| 98      | 46.5  | 37.3  | 55.9   |

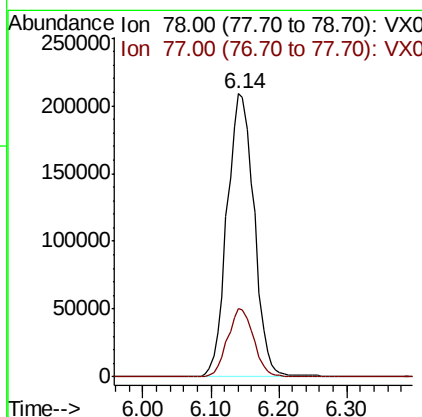
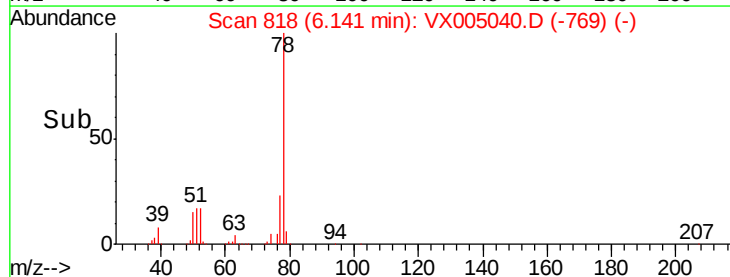
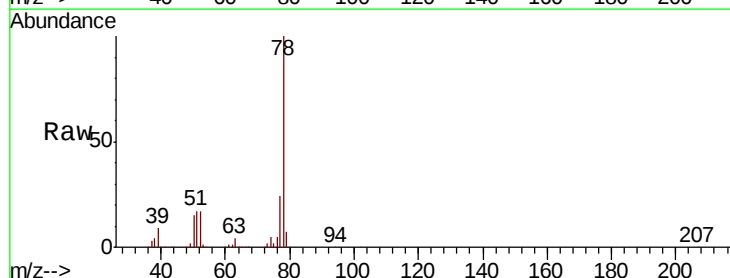
Manual Integrations  
APPROVED

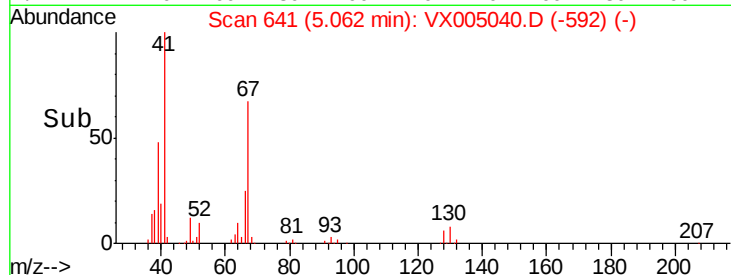
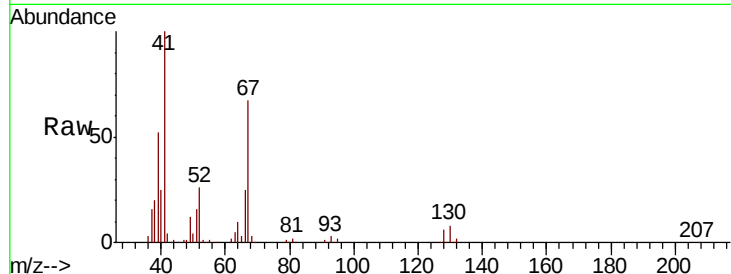
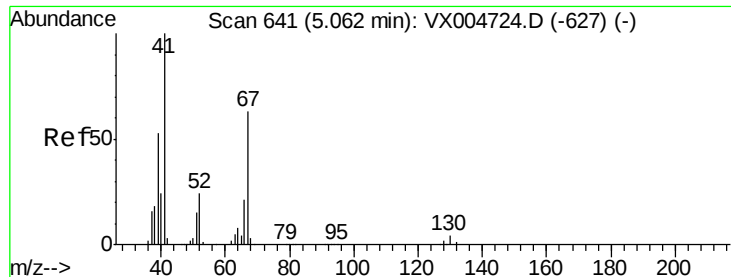
MMDadoda  
10/5/2018 3:24:53 PM



#40  
Benzene  
Concen: 47.399 ug/l  
RT: 6.14 min Scan# 818  
Delta R.T. -0.00 min  
Lab File: VX005040.D  
Acq: 05 Oct 2018 00:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.0  | 21.0  | 31.4  |





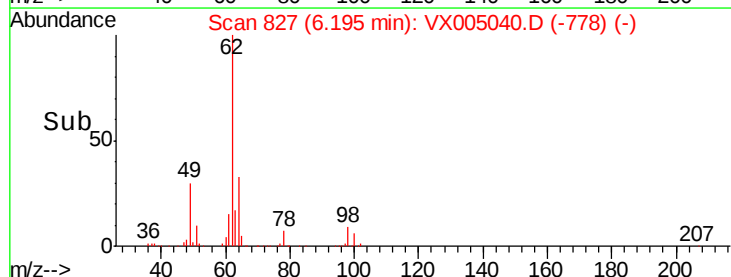
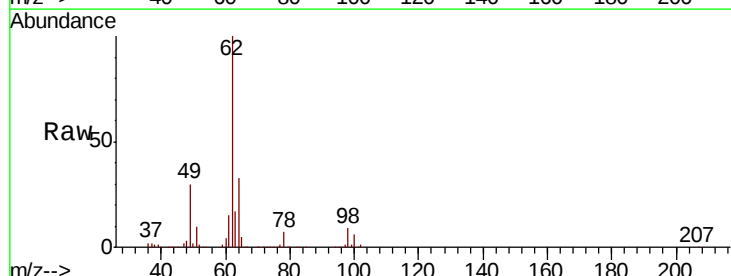
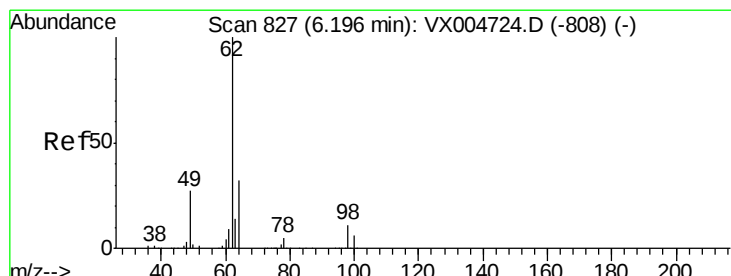
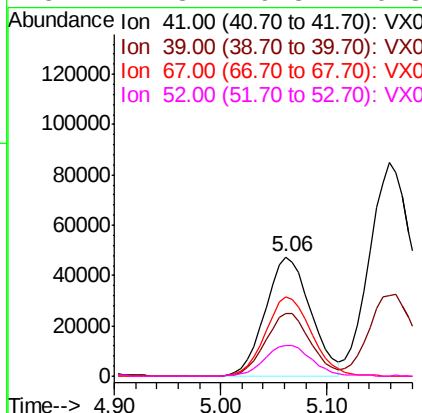
#41  
Methacrylonitrile  
Concen: 48.914 ug/l  
RT: 5.06 min Scan# 641  
Delta R.T. -0.00 min  
Lab File: VX005040.D  
Acq: 05 Oct 2018 00:57

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 41      | 100  |       | 139593 |       |       |
| 39      | 52.1 | 42.5  | 63.7   |       |       |
| 67      | 68.1 | 53.0  | 79.6   |       |       |
| 52      | 27.3 | 19.8  | 29.8   |       |       |

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-TW511-2125MSD

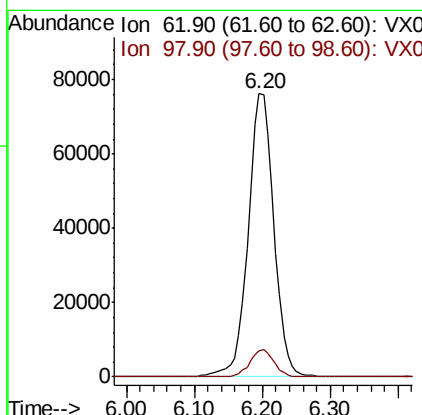
Manual Integrations  
APPROVED

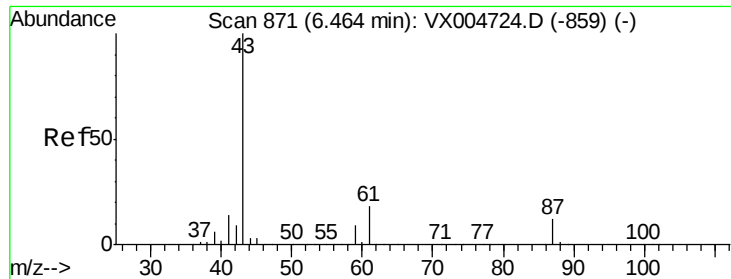
MMDadoda  
10/5/2018 3:24:53 PM



#42  
1,2-Dichloroethane  
Concen: 46.615 ug/l  
RT: 6.20 min Scan# 827  
Delta R.T. -0.00 min  
Lab File: VX005040.D  
Acq: 05 Oct 2018 00:57

| Tgt Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 62      | 100 |       | 200002 |       |       |
| 98      | 9.1 | 0.0   | 20.2   |       |       |





#43

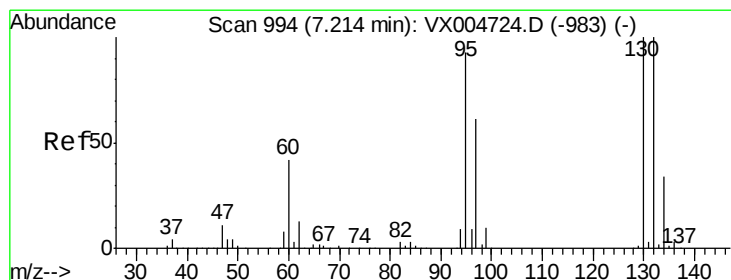
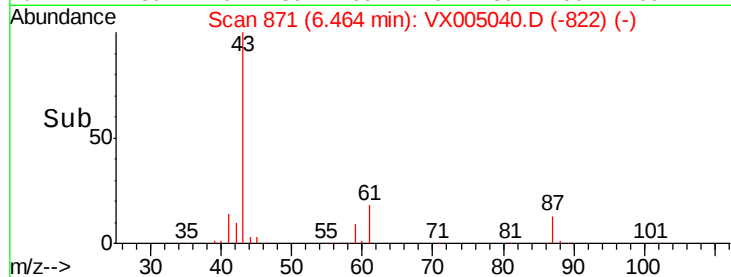
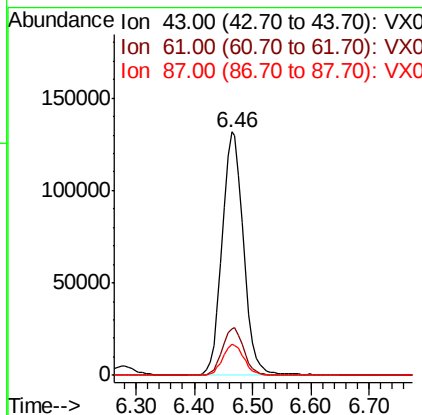
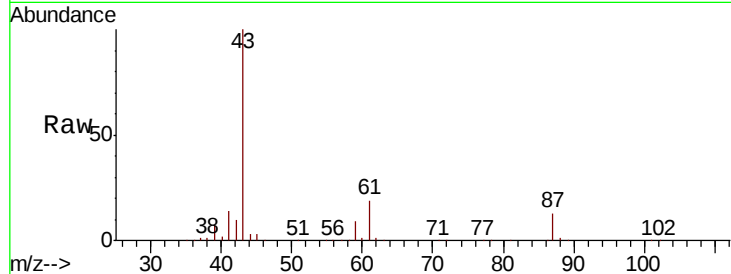
Isopropyl Acetate  
 Concen: 45.077 ug/l  
 RT: 6.46 min Scan# 871  
 Delta R.T. -0.00 min  
 Lab File: VX005040.D  
 Acq: 05 Oct 2018 00:57

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-TW511-2125MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 19.7  | 14.2  | 21.4  |
| 87      | 12.7  | 9.3   | 13.9  |

Manual Integrations  
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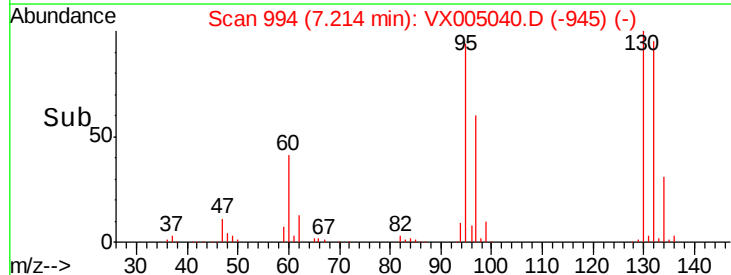
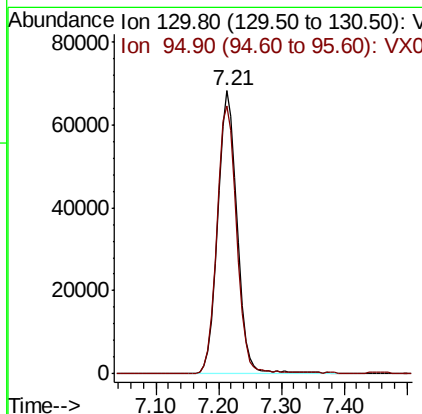
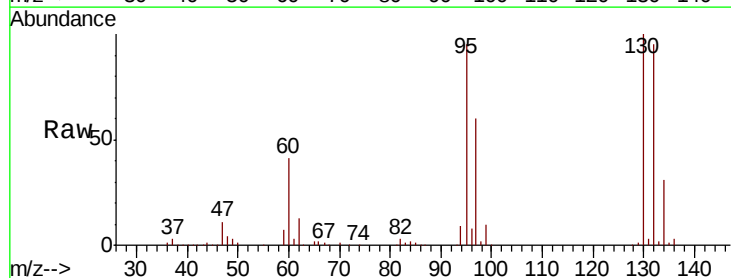
MMDadoda  
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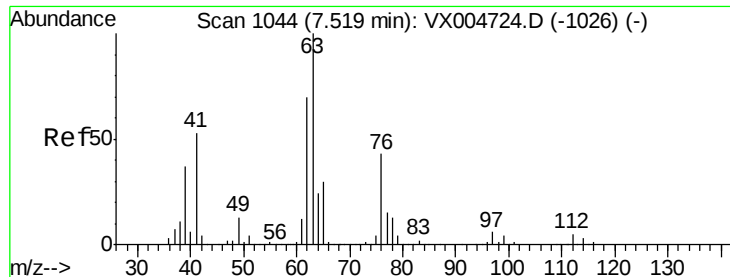


#44

Trichloroethene  
 Concen: 49.202 ug/l  
 RT: 7.21 min Scan# 994  
 Delta R.T. -0.00 min  
 Lab File: VX005040.D  
 Acq: 05 Oct 2018 00:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 94.6  | 0.0   | 186.8 |





#45

1,2-Dichloropropane

Concen: 51.604 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX005040.D

Acq: 05 Oct 2018 00:57

Instrument :

MSVOA\_X

ClientSampleId :

SA-TW511-2125MSD

Tot Ion: 63 Resp: 153590

Ion Ratio Lower Upper

63 100

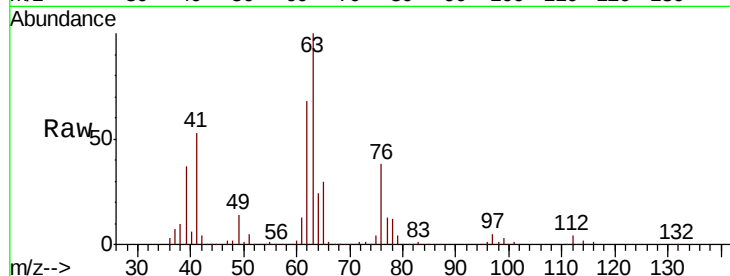
65 30.1 23.9 35.9

Manual Integrations

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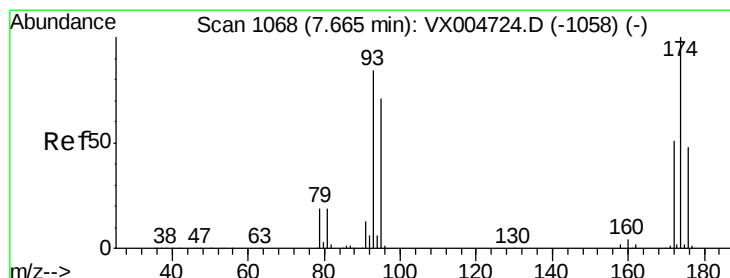
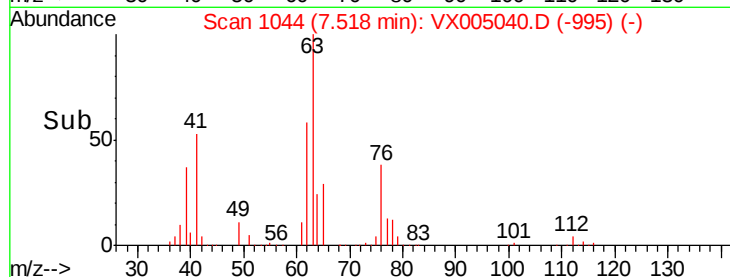
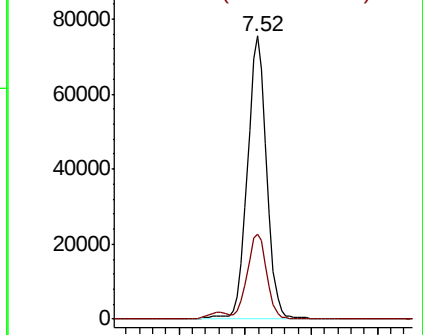
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 51.418 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VX005040.D

Acq: 05 Oct 2018 00:57

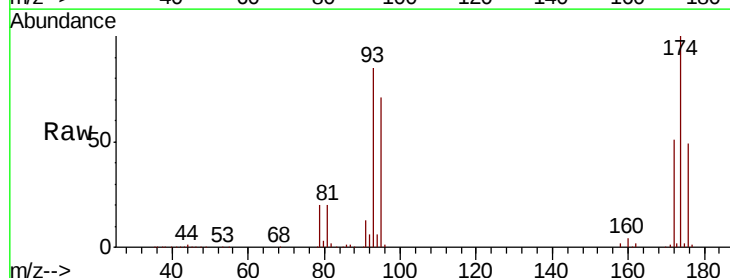
Tgt Ion: 93 Resp: 96178

Ion Ratio Lower Upper

93 100

95 84.1 66.7 100.1

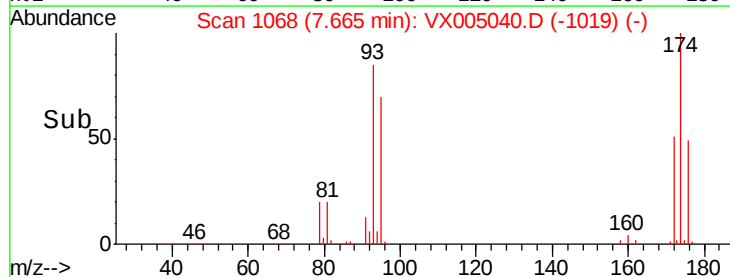
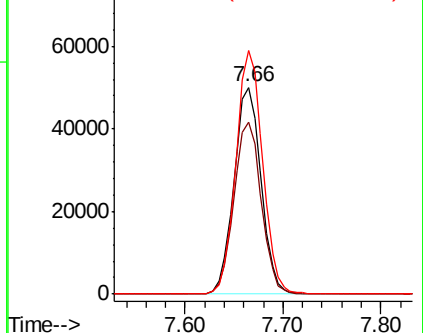
174 116.2 92.7 139.1

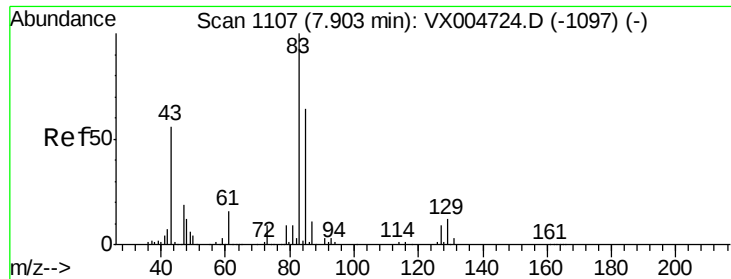


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 53.449 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VX005040.D

Acq: 05 Oct 2018 00:57

Instrument :

MSVOA\_X

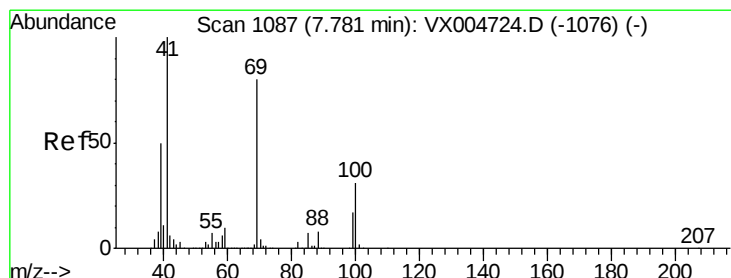
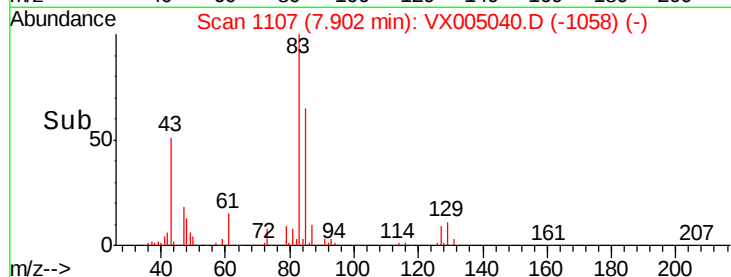
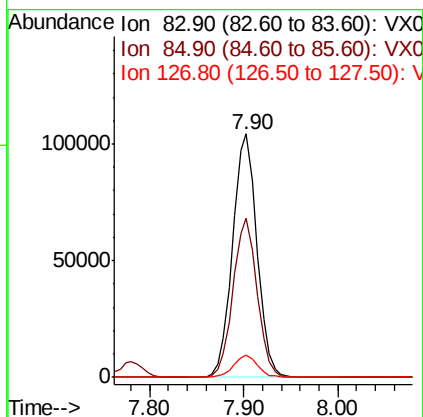
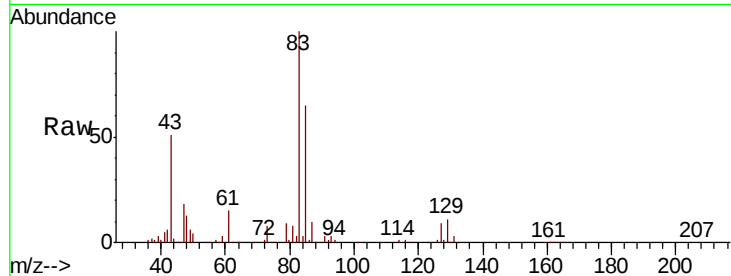
ClientSampleId :

SA-TW511-2125MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 187183 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 65.0  | 51.2  | 76.8   |
| 127      | 9.0   | 7.0   | 10.6   |

Manual Integrations  
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#48

Methyl methacrylate

Concen: 57.952 ug/l

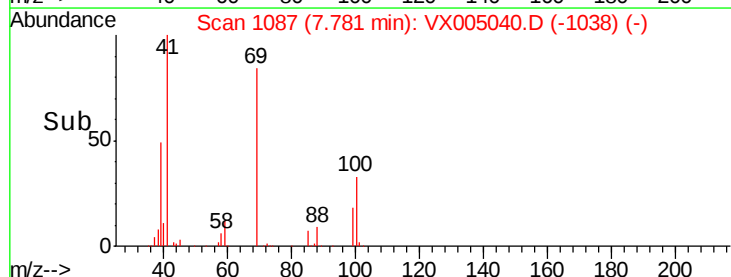
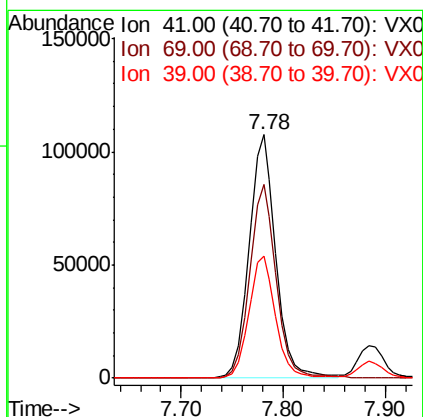
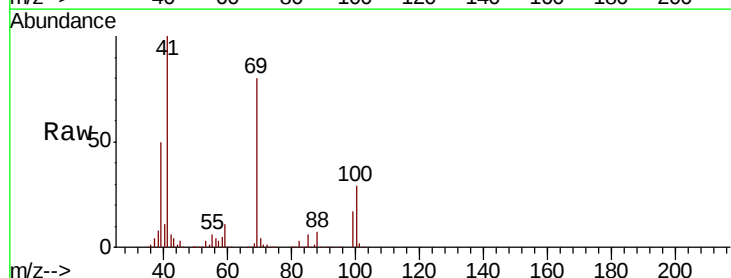
RT: 7.78 min Scan# 1087

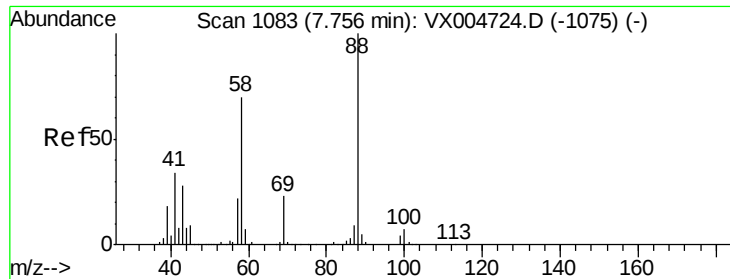
Delta R.T. -0.00 min

Lab File: VX005040.D

Acq: 05 Oct 2018 00:57

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 195369 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 69       | 79.6  | 63.8  | 95.6   |
| 39       | 50.5  | 40.7  | 61.1   |





#49

1,4-Dioxane

Concen: 989.690 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. -0.00 min

Lab File: VX005040.D

Acq: 05 Oct 2018 00:57

Instrument :

MSVOA\_X

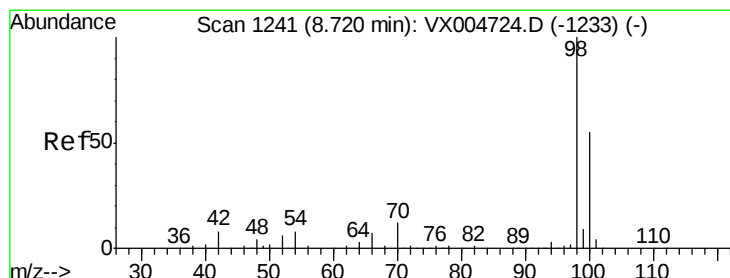
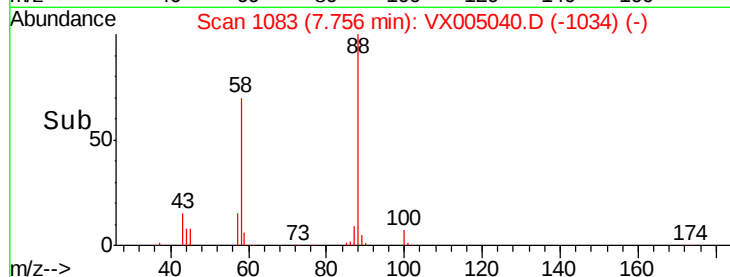
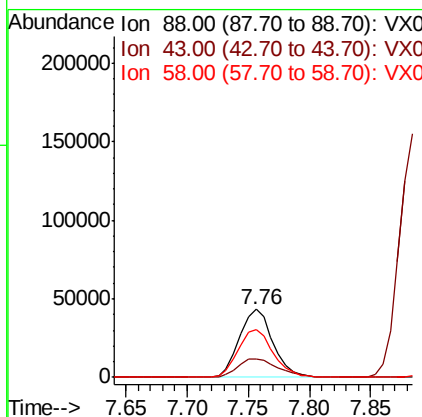
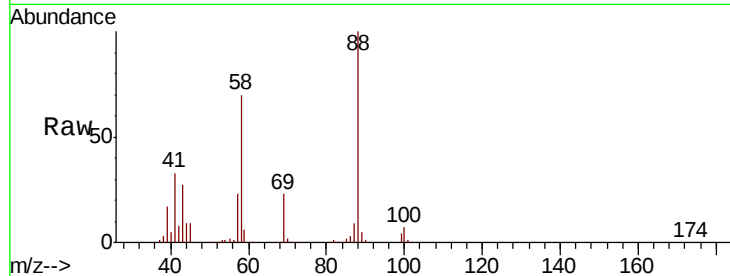
ClientSampleId :

SA-TW511-2125MSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 88    | Resp: | 82890 |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 43       | 32.4  | 25.1  | 37.7  |
| 58       | 72.9  | 56.2  | 84.2  |

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#50

Toluene-d8

Concen: 51.419 ug/l

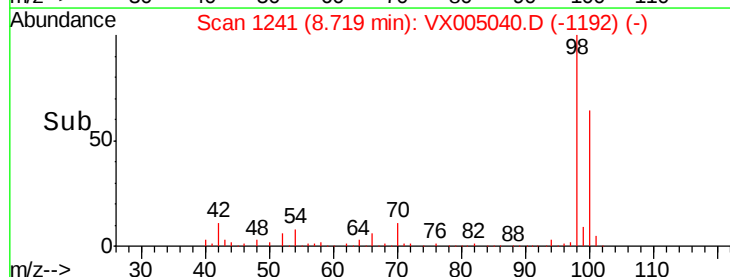
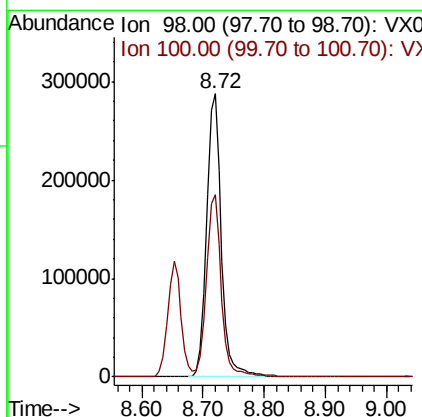
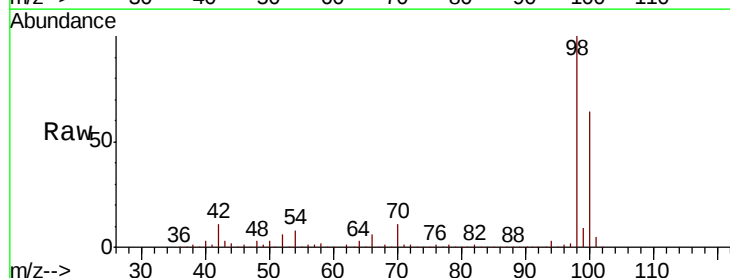
RT: 8.72 min Scan# 1241

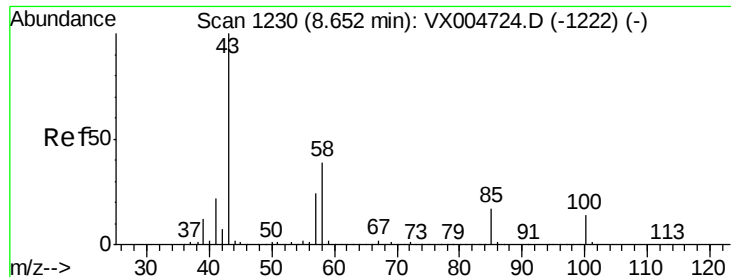
Delta R.T. -0.00 min

Lab File: VX005040.D

Acq: 05 Oct 2018 00:57

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 485710 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 65.0  | 51.9  | 77.9   |





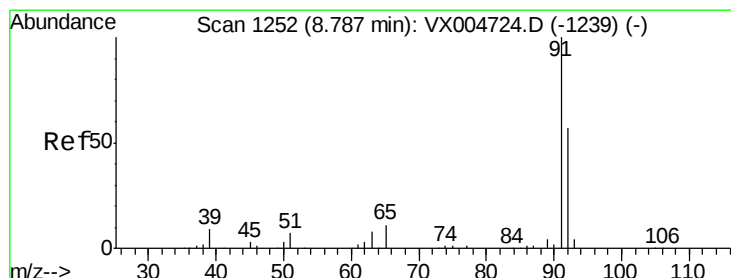
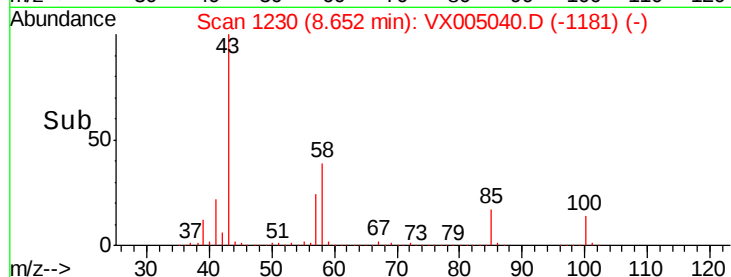
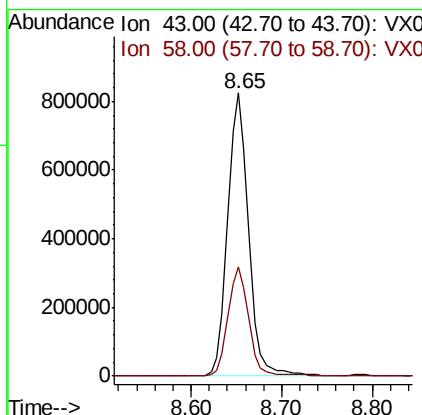
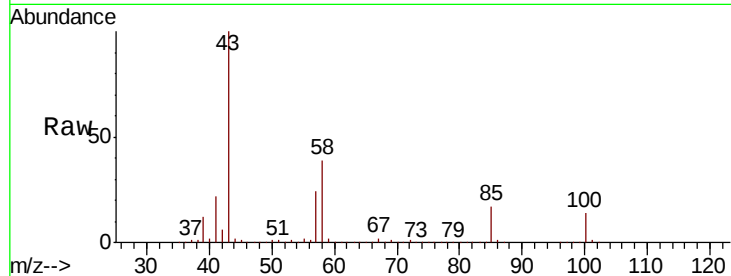
#51  
4-Methyl-2-Pentanone  
Concen: 281.773 ug/l  
RT: 8.65 min Scan# 1230  
Delta R.T. -0.00 min  
Lab File: VX005040.D  
Acq: 05 Oct 2018 00:57

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-TW511-2125MSD

Tot Ion: 43 Resp: 1317749  
Ion Ratio Lower Upper  
43 100  
58 38.7 30.5 45.7

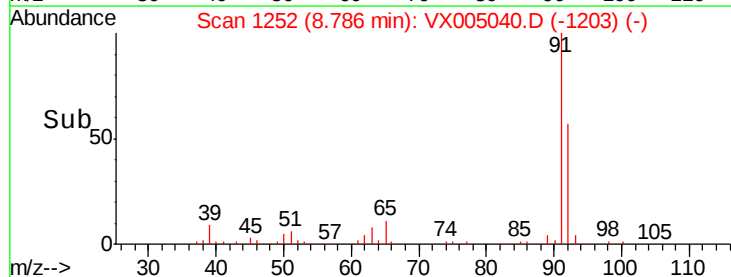
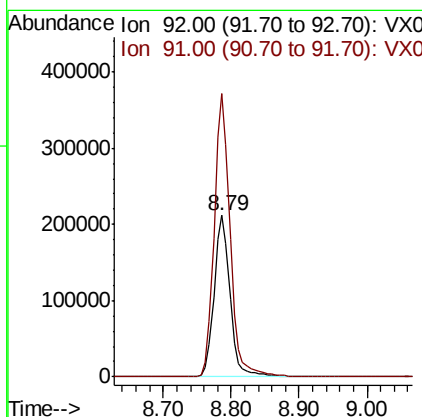
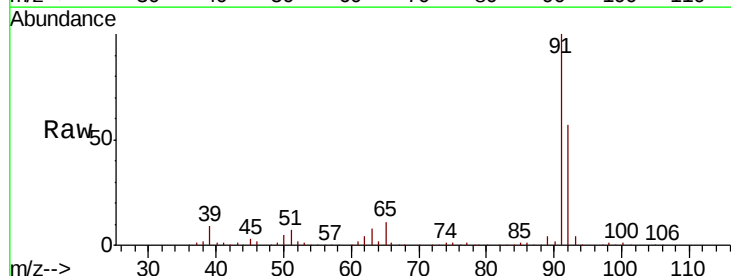
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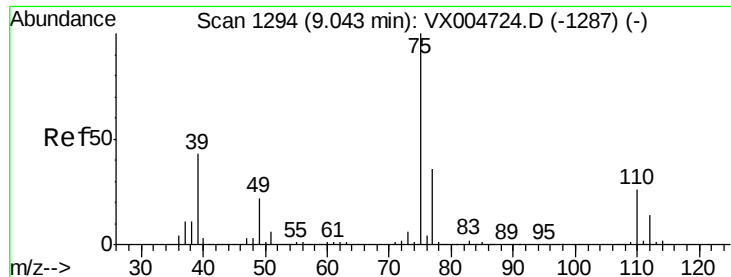
MMDadoda  
10/5/2018 3:24:53 PM



#52  
Toluene  
Concen: 51.759 ug/l  
RT: 8.79 min Scan# 1252  
Delta R.T. -0.00 min  
Lab File: VX005040.D  
Acq: 05 Oct 2018 00:57

Tgt Ion: 92 Resp: 345181  
Ion Ratio Lower Upper  
92 100  
91 174.9 136.7 205.1





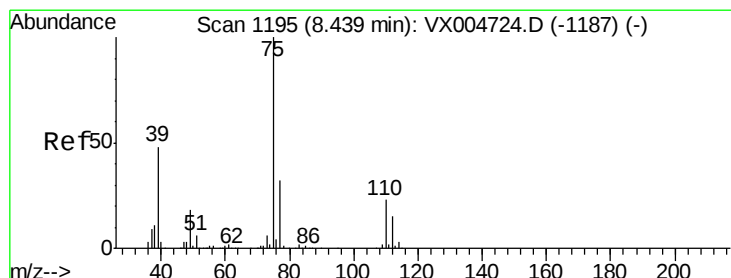
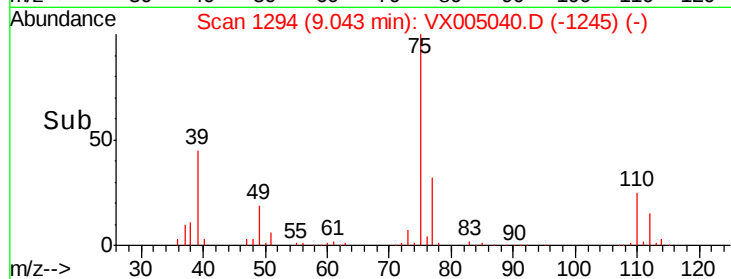
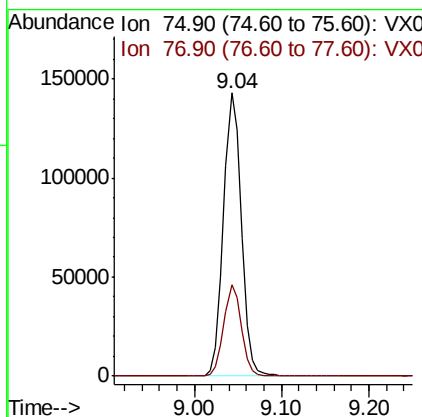
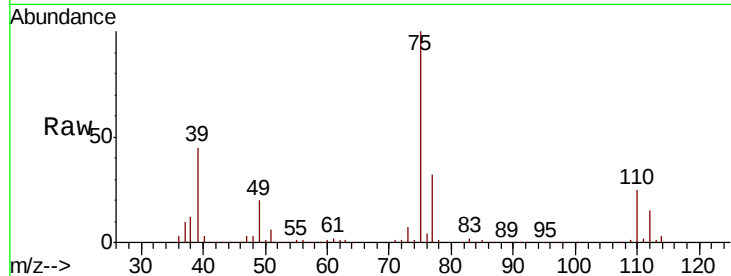
#53  
t-1,3-Dichloropropene  
Concen: 51.064 ug/l  
RT: 9.04 min Scan# 1294  
Delta R.T. -0.00 min  
Lab File: VX005040.D  
Acq: 05 Oct 2018 00:57

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-TW511-2125MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 32.2  | 28.9  | 43.3  |

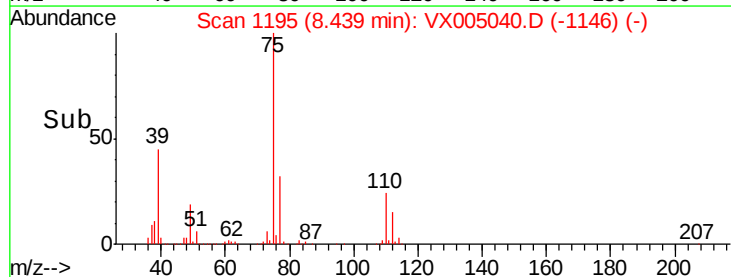
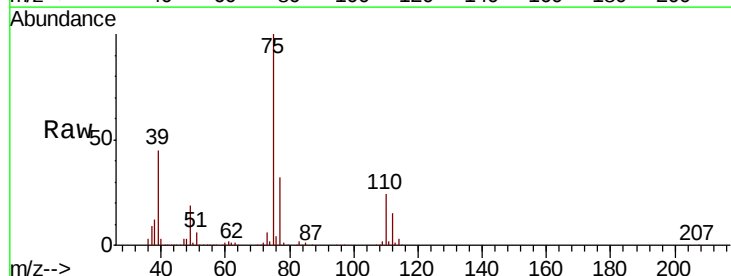
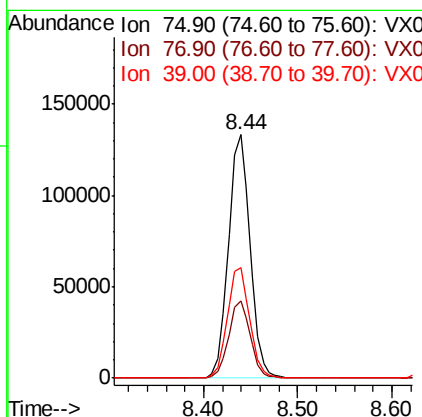
Manual Integrations  
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10/5/2018 3:24:53 PM



#54  
cis-1,3-Dichloropropene  
Concen: 51.404 ug/l  
RT: 8.44 min Scan# 1195  
Delta R.T. -0.00 min  
Lab File: VX005040.D  
Acq: 05 Oct 2018 00:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.5  | 25.7  | 38.5  |
| 39      | 45.3  | 38.3  | 57.5  |





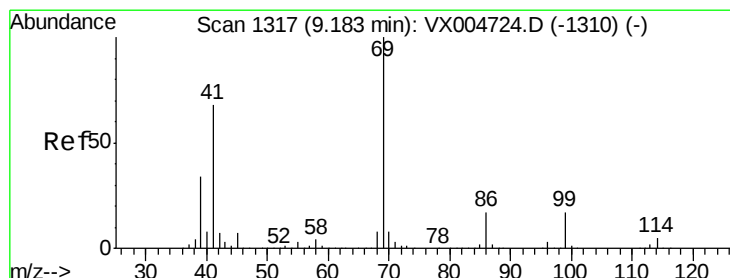
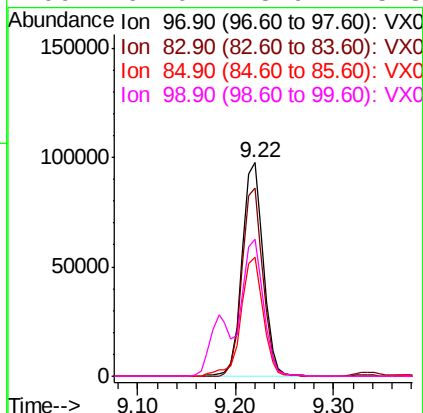
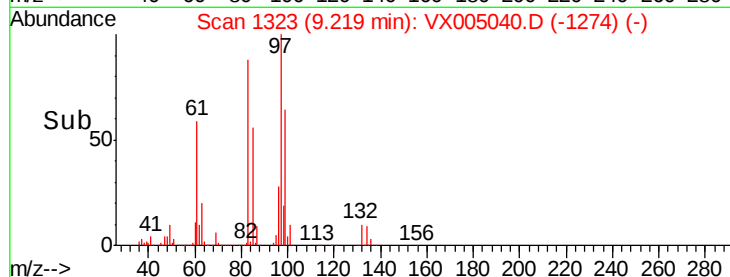
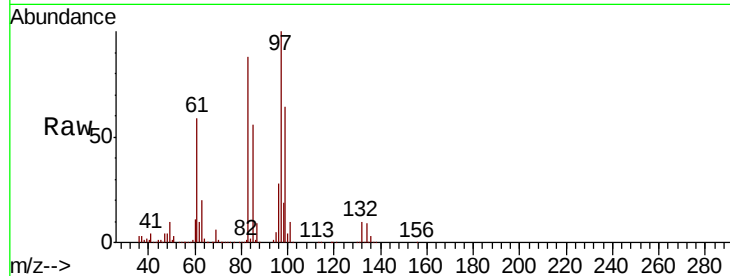
#55  
 1,1,2-Trichloroethane  
 Concen: 50.241 ug/l  
 RT: 9.22 min Scan# 1323  
 Delta R.T. -0.00 min  
 Lab File: VX005040.D  
 Acq: 05 Oct 2018 00:57

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-TW511-2125MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 146765 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 88.2  | 68.2  | 102.2  |
| 85       | 55.6  | 49.9  | 74.9   |
| 99       | 64.0  | 48.9  | 73.3   |

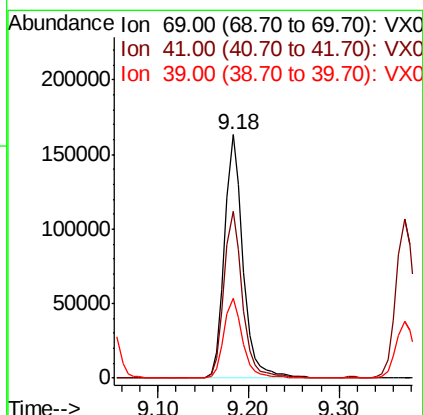
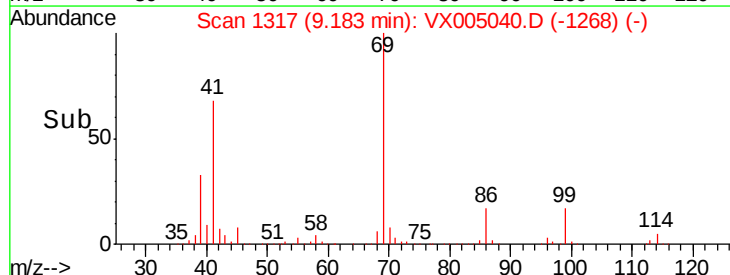
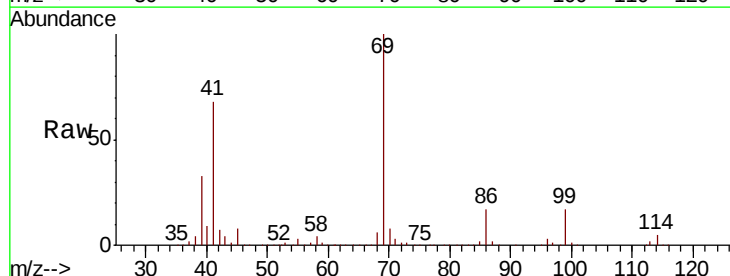
Manual Integrations  
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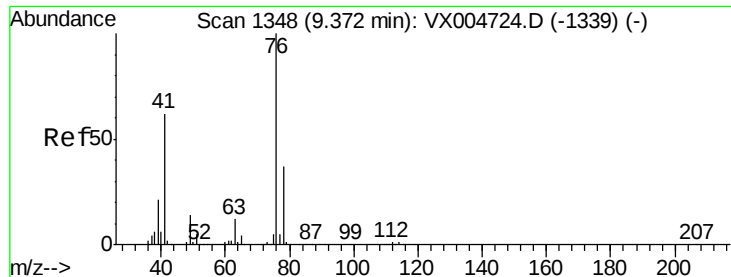
MMDadoda  
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#56  
 Ethyl methacrylate  
 Concen: 49.250 ug/l  
 RT: 9.18 min Scan# 1317  
 Delta R.T. -0.00 min  
 Lab File: VX005040.D  
 Acq: 05 Oct 2018 00:57

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 233246 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 68.7  | 56.9  | 85.3   |
| 39       | 33.2  | 28.4  | 42.6   |





#57

1,3-Dichloropropane

Concen: 50.966 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005040.D

Acq: 05 Oct 2018 00:57

Instrument :

MSVOA\_X

ClientSampleId :

SA-TW511-2125MSD

Tot Ion: 76 Resp: 247789

Ion Ratio Lower Upper

76 100

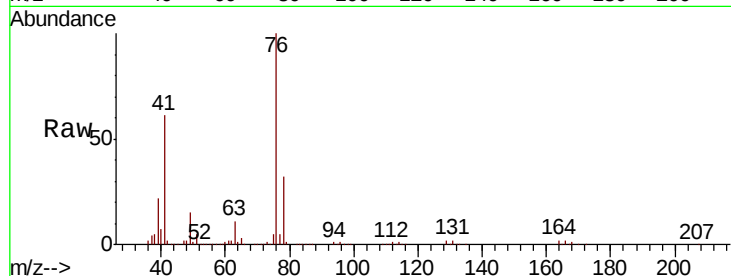
78 31.9 26.6 40.0

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

200000

150000

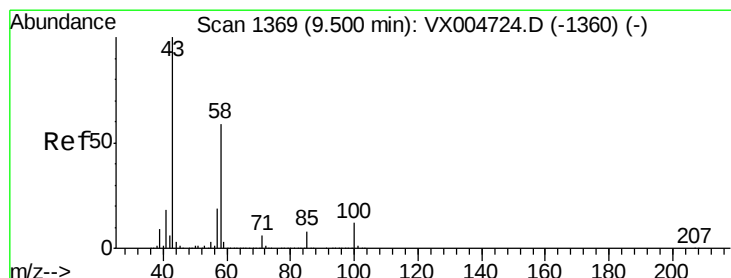
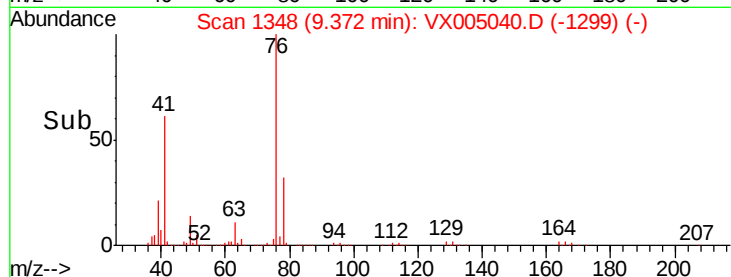
100000

50000

0

9.30 9.40 9.50

Time-->



#59

2-Hexanone

Concen: 266.807 ug/l

RT: 9.50 min Scan# 1369

Delta R.T. -0.00 min

Lab File: VX005040.D

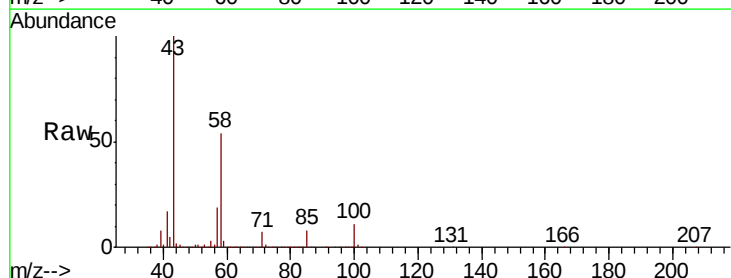
Acq: 05 Oct 2018 00:57

Tgt Ion: 43 Resp: 1039781

Ion Ratio Lower Upper

43 100

58 53.7 28.4 85.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

800000

600000

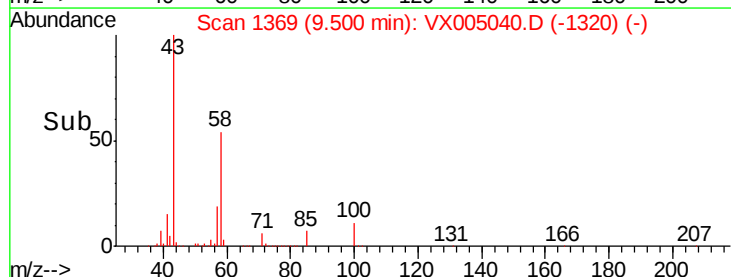
400000

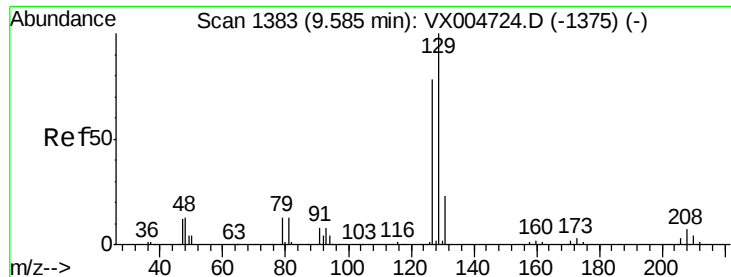
200000

0

9.40 9.50 9.60

Time-->





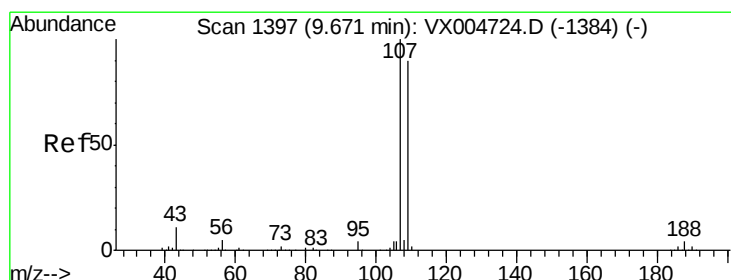
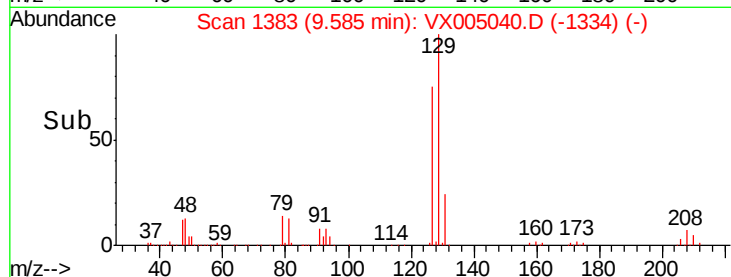
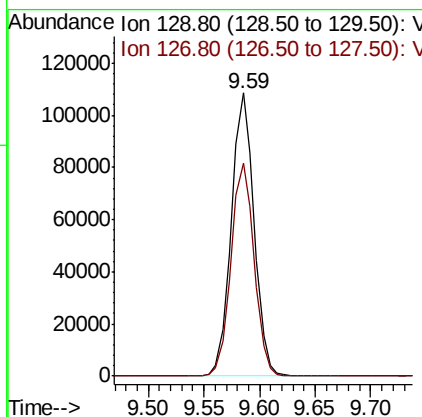
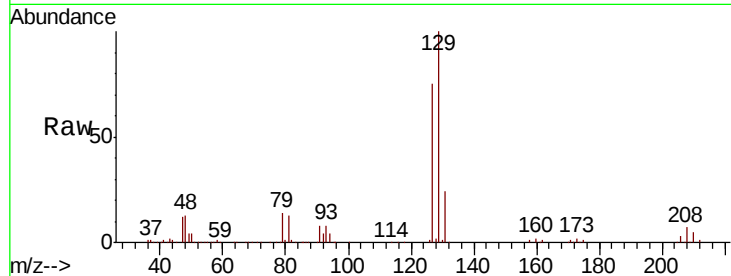
#60  
Dibromochloromethane  
Concen: 52.389 ug/l  
RT: 9.59 min Scan# 1383  
Delta R.T. -0.00 min  
Lab File: VX005040.D  
Acq: 05 Oct 2018 00:57

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-TW511-2125MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 129     | 100   |       |       |
| 127     | 76.7  | 39.1  | 117.2 |

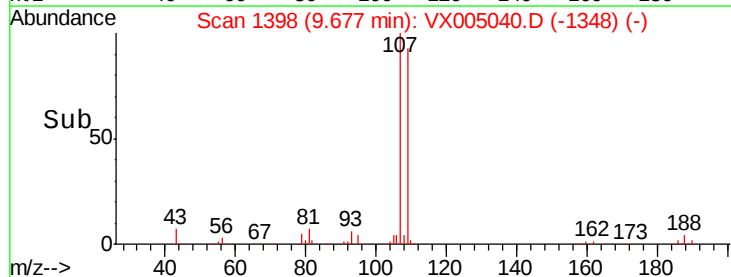
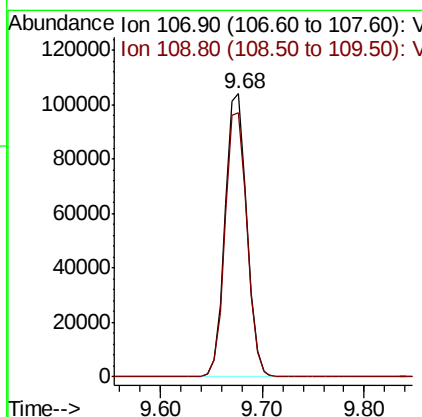
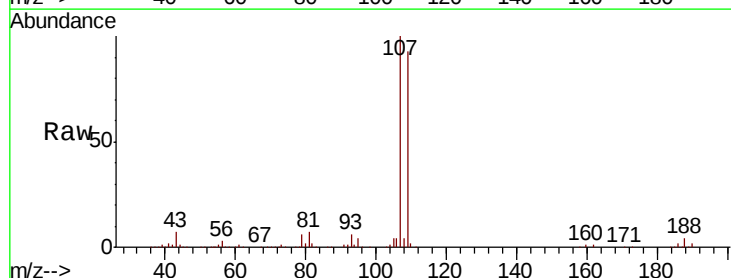
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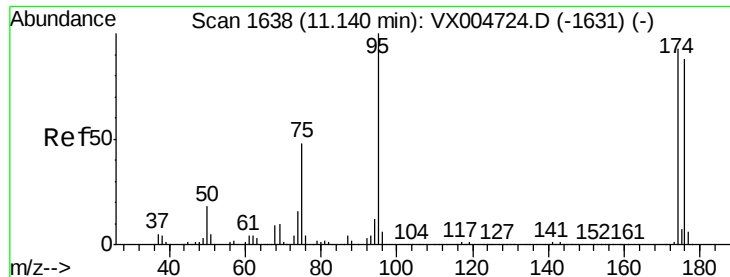
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#61  
1,2-Dibromoethane  
Concen: 48.794 ug/l  
RT: 9.68 min Scan# 1398  
Delta R.T. 0.01 min  
Lab File: VX005040.D  
Acq: 05 Oct 2018 00:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 94.8  | 72.1  | 108.1 |





#62

4-Bromofluorobenzene

Concen: 52.921 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005040.D

Acq: 05 Oct 2018 00:57

Instrument :

MSVOA\_X

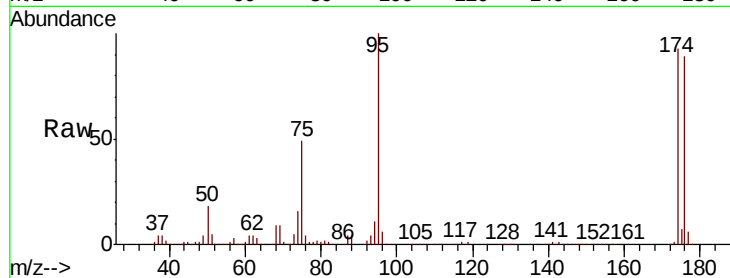
ClientSampleId :

SA-TW511-2125MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 95    | Resp: | 180092 |
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 174       | 90.3  | 0.0   | 185.0  |
| 176       | 88.8  | 0.0   | 180.2  |

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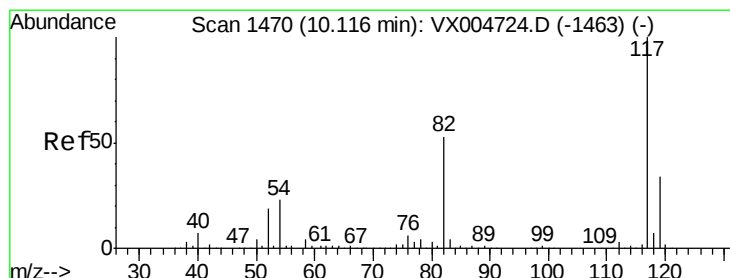
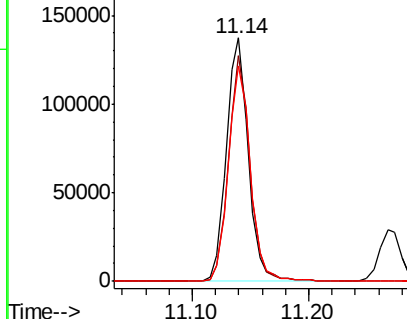
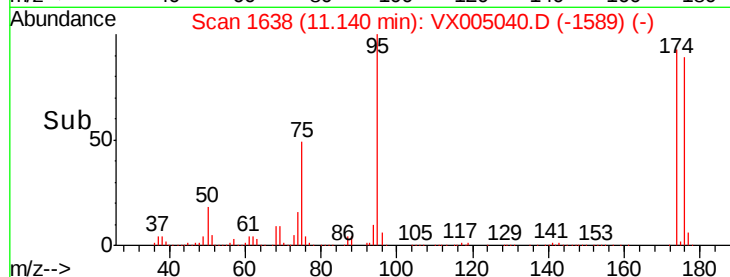


Abundance Ion 94.90 (94.60 to 95.60): VX005040.D (-1589) (-)

Ion 173.80 (173.50 to 174.50): VX005040.D (-1589) (-)

Ion 175.80 (175.50 to 176.50): VX005040.D (-1589) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

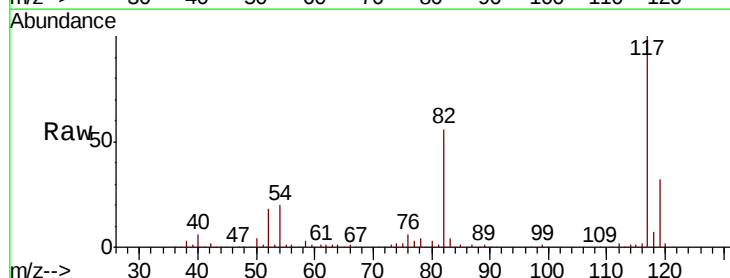
RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX005040.D

Acq: 05 Oct 2018 00:57

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 315143 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 56.1  | 42.2  | 63.4   |
| 119       | 32.3  | 27.4  | 41.0   |

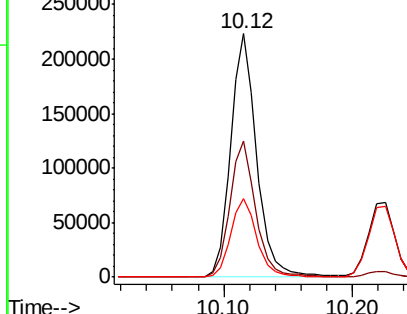
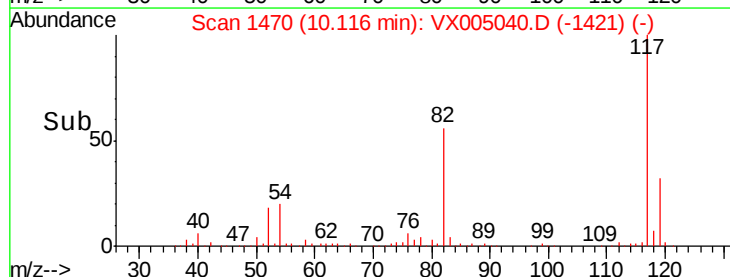


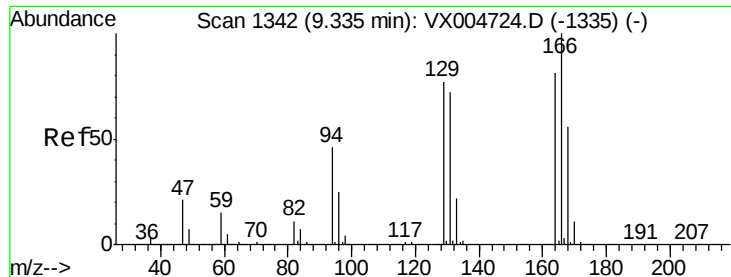
Abundance Ion 116.90 (116.60 to 117.60): VX005040.D (-1421) (-)

Ion 82.00 (81.70 to 82.70): VX005040.D (-1421) (-)

Ion 118.90 (118.60 to 119.60): VX005040.D (-1421) (-)

Time-->





#64

Tetrachloroethene

Concen: 45.813 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX005040.D

Acq: 05 Oct 2018 00:57

Instrument :

MSVOA\_X

ClientSampleId :

SA-TW511-2125MSD

Tot Ion:164 Resp: 142098

Ion Ratio Lower Upper

164 100

166 127.3 98.4 147.6

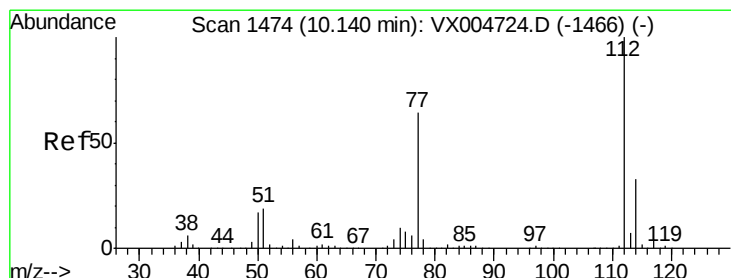
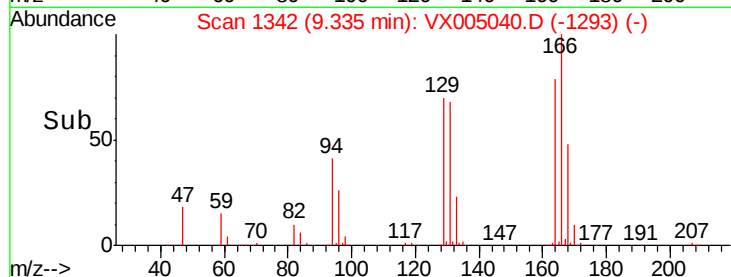
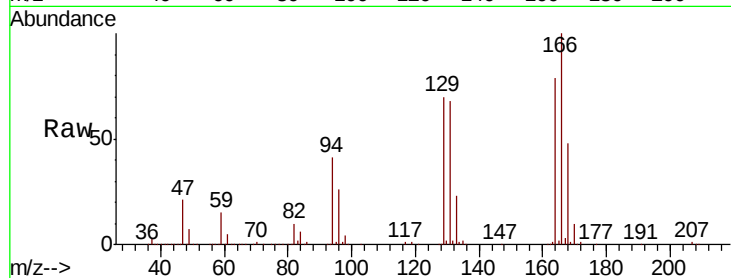
129 89.1 76.1 114.1

131 87.1 71.0 106.4

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#65

Chlorobenzene

Concen: 48.173 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX005040.D

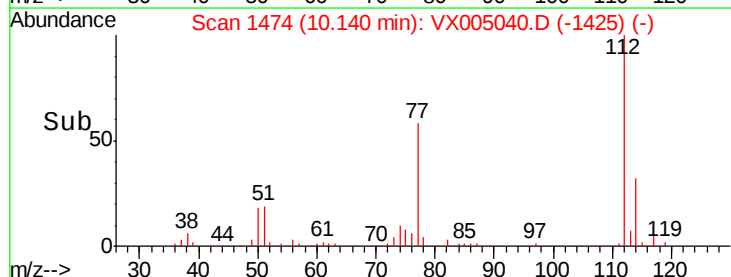
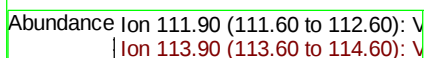
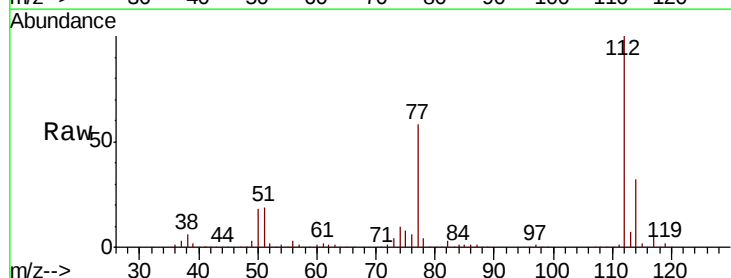
Acq: 05 Oct 2018 00:57

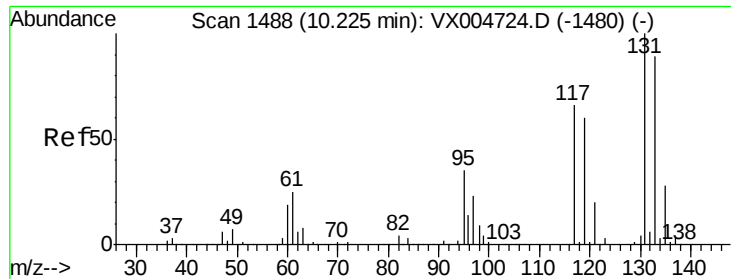
Tgt Ion:112 Resp: 389295

Ion Ratio Lower Upper

112 100

114 32.0 26.7 40.1





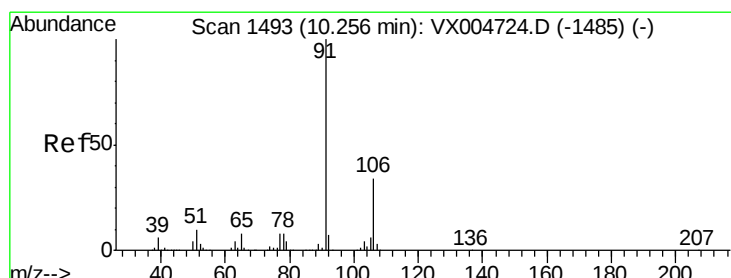
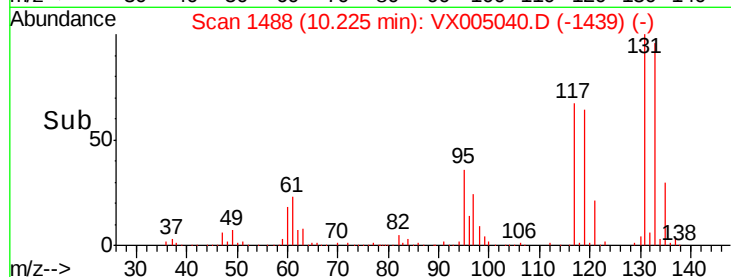
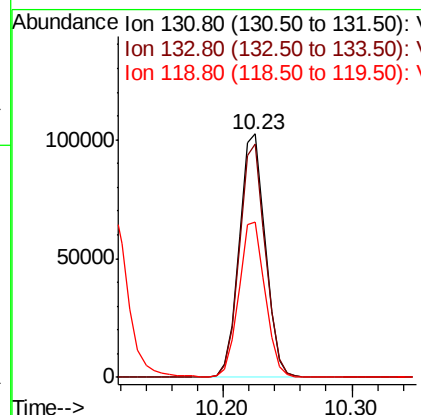
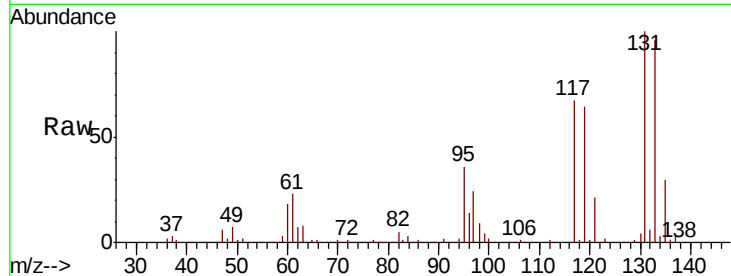
#66  
 1,1,1,2-Tetrachloroethane  
 Concen: 50.678 ug/l  
 RT: 10.23 min Scan# 1488  
 Delta R.T. -0.00 min  
 Lab File: VX005040.D  
 Acq: 05 Oct 2018 00:57

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-TW511-2125MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 131     | 100   | 143976 |       |       |
| 133     | 95.4  | 48.4   | 145.0 |       |
| 119     | 64.5  | 32.3   | 96.8  |       |

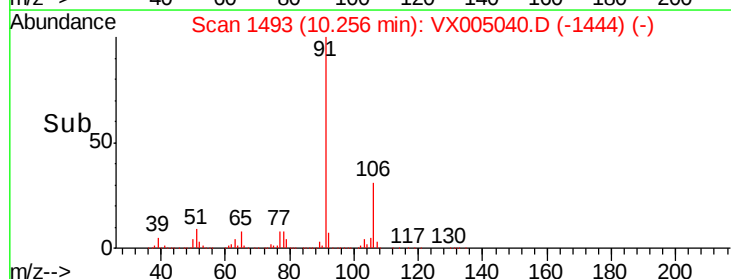
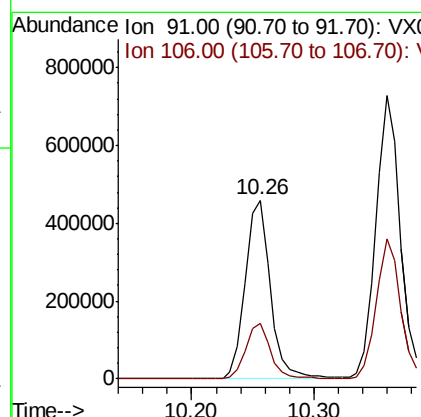
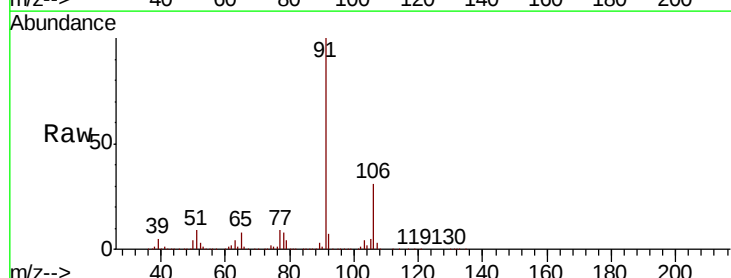
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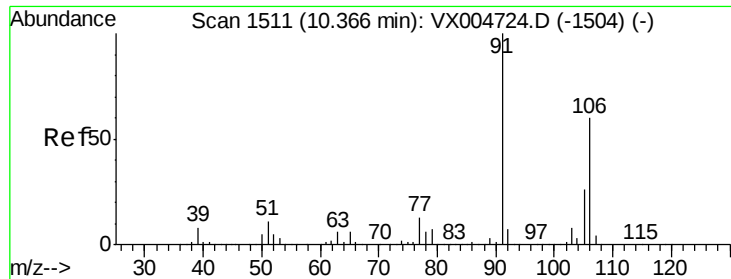
MMDadoda  
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#67  
 Ethyl Benzene  
 Concen: 51.166 ug/l  
 RT: 10.26 min Scan# 1493  
 Delta R.T. -0.00 min  
 Lab File: VX005040.D  
 Acq: 05 Oct 2018 00:57

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 91      | 100   | 656457 |       |       |
| 106     | 31.4  | 26.9   | 40.3  |       |





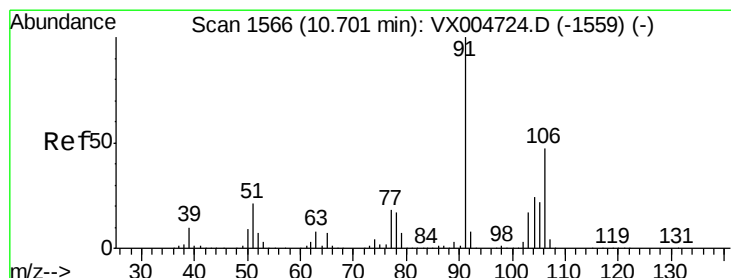
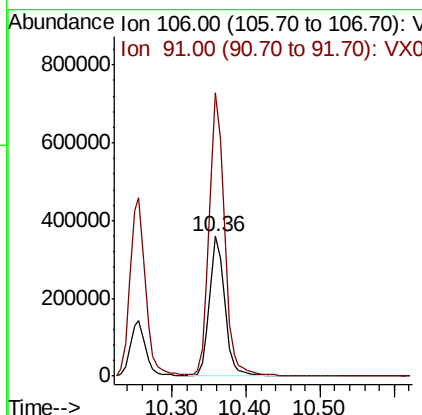
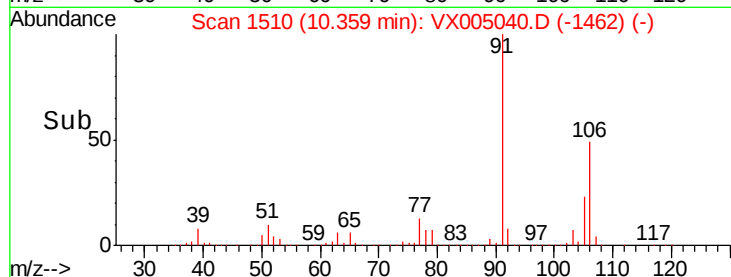
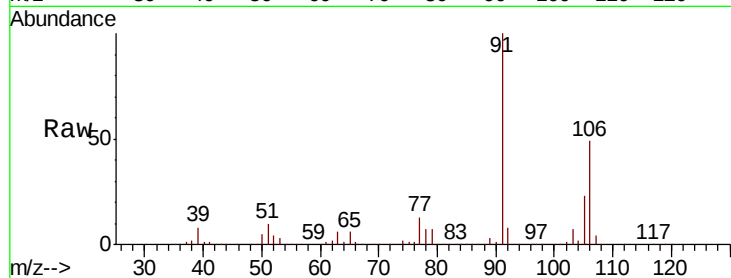
#68  
m/p-Xvlenes  
Concen: 102.031 ug/l  
RT: 10.36 min Scan# 1510  
Delta R.T. -0.01 min  
Lab File: VX005040.D  
Acq: 05 Oct 2018 00:57

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-TW511-2125MSD

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 106     | 100   |       |        |       |       |
| 91      | 202.9 | 157.5 | 511538 | 236.3 |       |

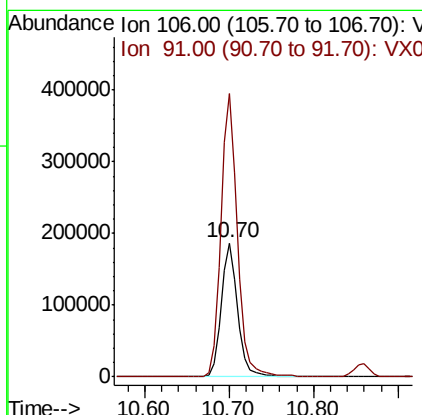
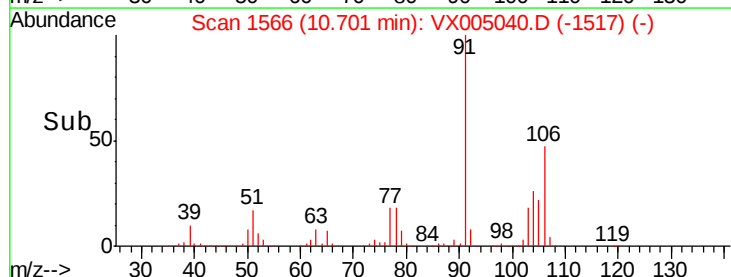
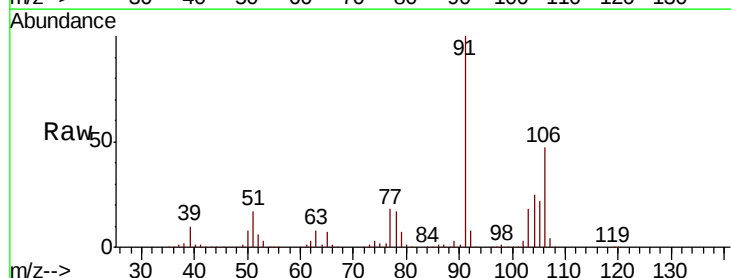
Manual Integrations  
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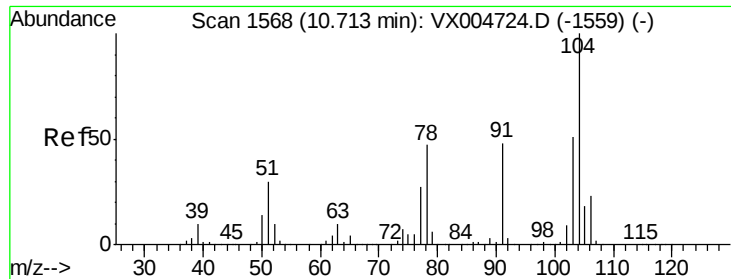
MMDadoda  
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#69  
o-Xylene  
Concen: 54.393 ug/l  
RT: 10.70 min Scan# 1566  
Delta R.T. -0.00 min  
Lab File: VX005040.D  
Acq: 05 Oct 2018 00:57

| Tgt Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 106     | 100   |       |        |       |       |
| 91      | 213.2 | 108.3 | 250475 | 324.8 |       |





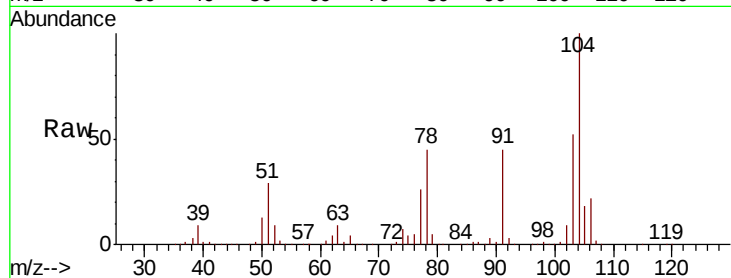
#70  
Stvrene  
Concen: 48.337 ug/l  
RT: 10.71 min Scan# 1568  
Delta R.T. -0.00 min  
Lab File: VX005040.D  
Acq: 05 Oct 2018 00:57

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-TW511-2125MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 49.9  | 40.0  | 60.0  |
| 103     | 55.9  | 44.3  | 66.5  |

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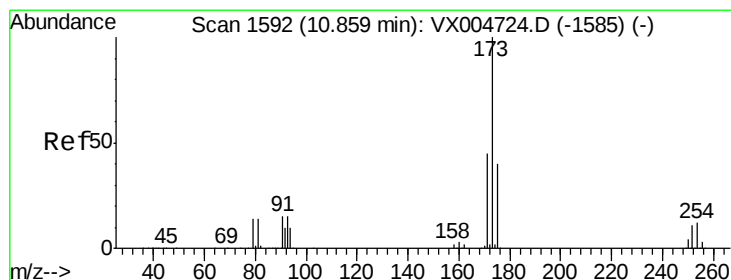
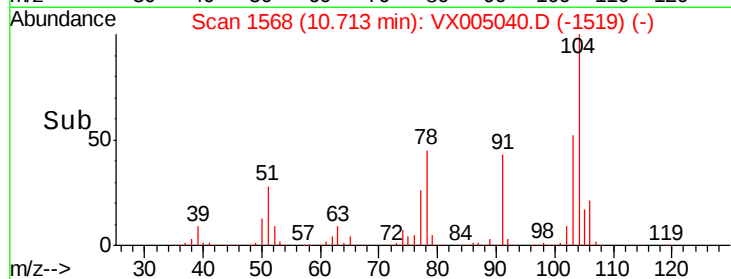
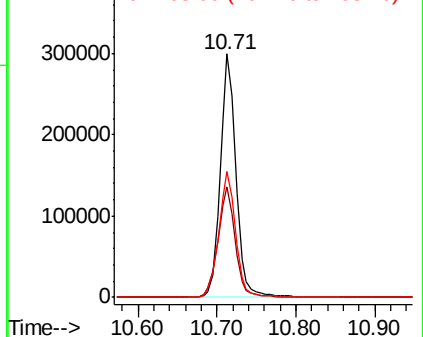


Abundance

Ion 104.00 (103.70 to 104.70): V

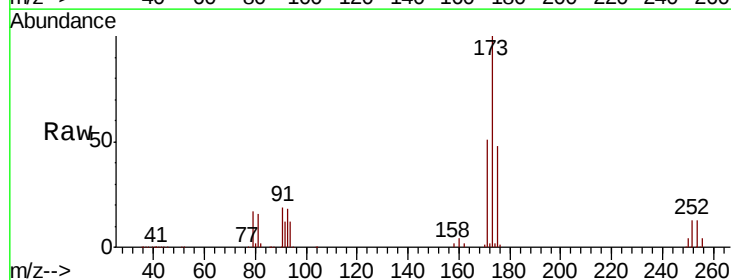
Ion 78.00 (77.70 to 78.70): VX

Ion 103.00 (102.70 to 103.70): V



#71  
Bromoform  
Concen: 51.269 ug/l  
RT: 10.86 min Scan# 1592  
Delta R.T. -0.00 min  
Lab File: VX005040.D  
Acq: 05 Oct 2018 00:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.2  | 23.3  | 69.8  |
| 254     | 0.2   | 0.2   | 0.2   |

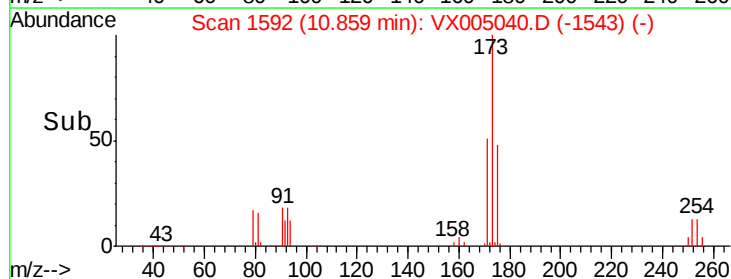
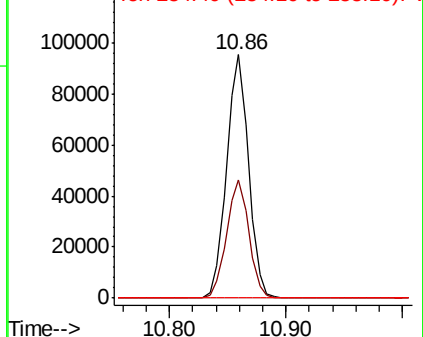


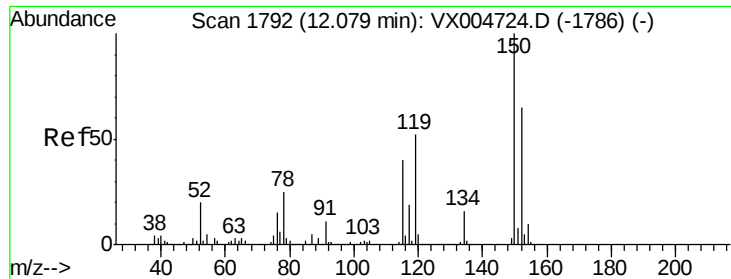
Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005040.D

Acq: 05 Oct 2018 00:57

Instrument :

MSVOA\_X

ClientSampleId :

SA-TW511-2125MSD

Tot Ion:152 Resp: 188562

Ion Ratio Lower Upper

152 100

115 77.8 40.2 120.6

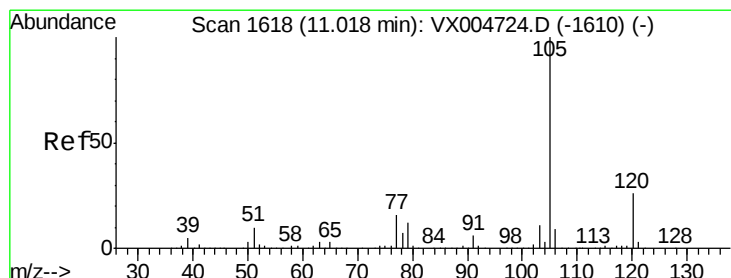
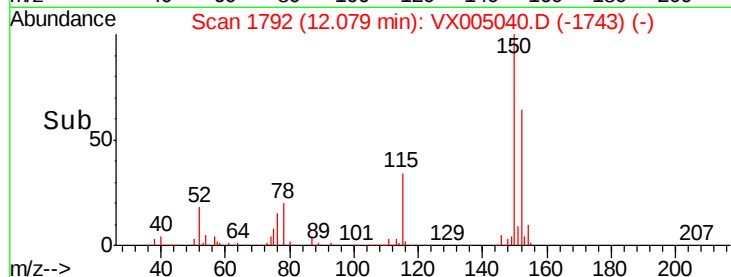
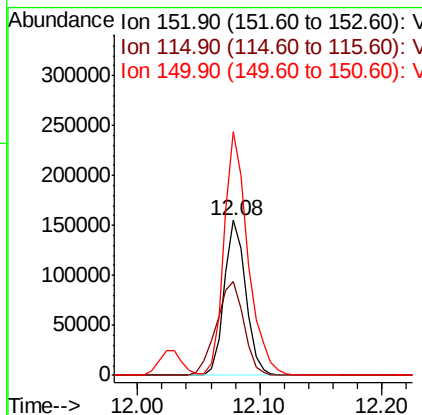
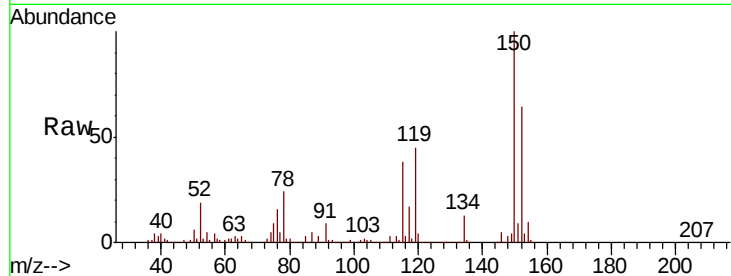
150 174.4 0.0 351.0

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#73

Isopropylbenzene

Concen: 55.049 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005040.D

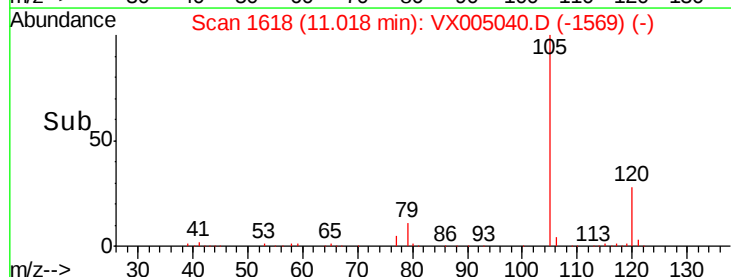
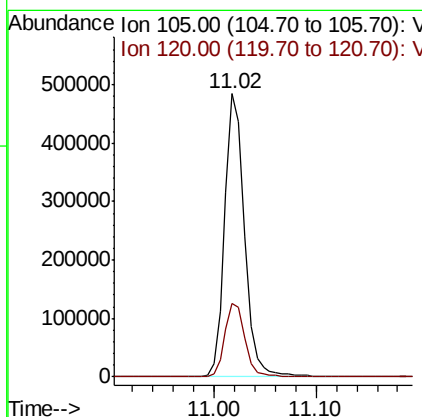
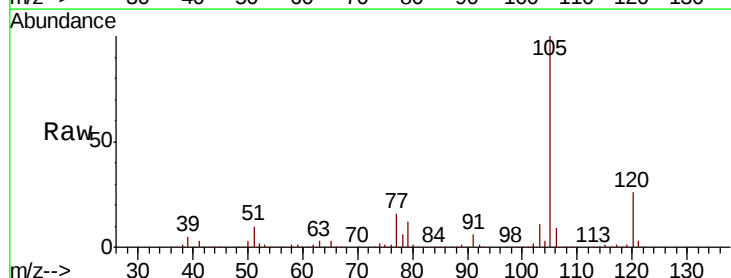
Acq: 05 Oct 2018 00:57

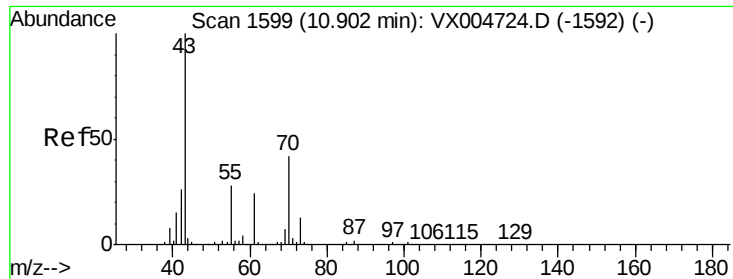
Tgt Ion:105 Resp: 654281

Ion Ratio Lower Upper

105 100

120 26.6 13.2 39.5





#74

N-amvl acetate

Concen: 42.261 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VX005040.D

Acq: 05 Oct 2018 00:57

Instrument :

MSVOA\_X

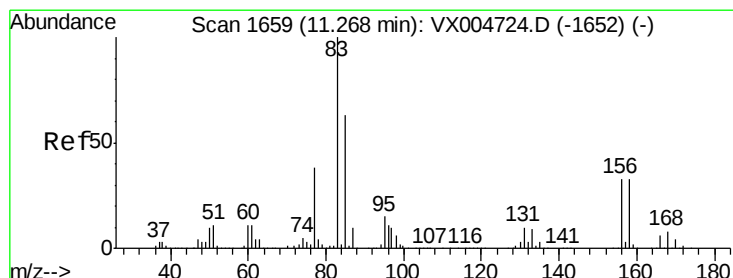
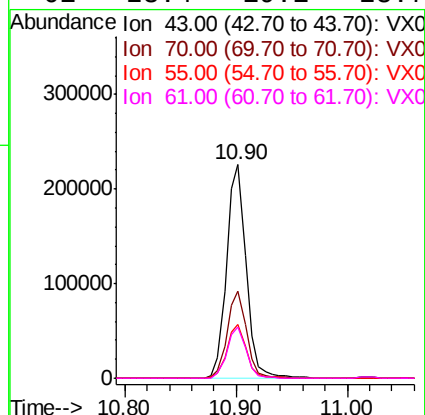
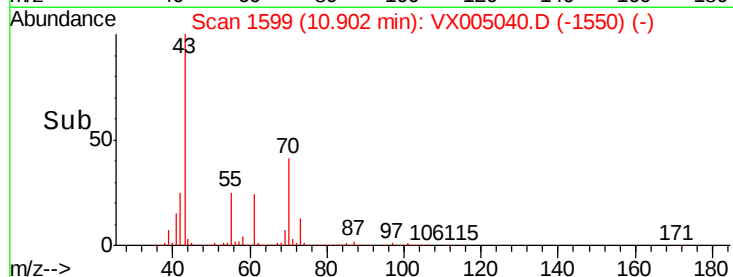
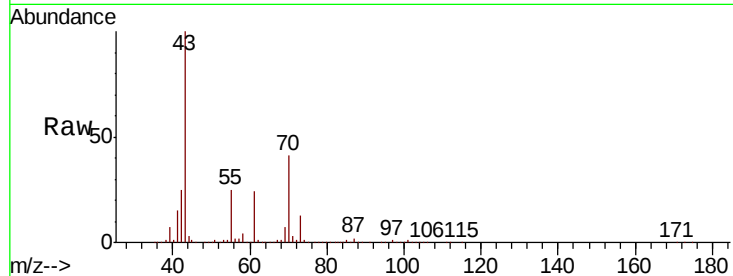
ClientSampleId :

SA-TW511-2125MSD

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 43      | 100  |       | 274244 |       |       |
| 70      | 40.5 | 32.6  | 48.8   |       |       |
| 55      | 25.1 | 21.6  | 32.4   |       |       |
| 61      | 23.4 | 19.1  | 28.7   |       |       |

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#75

1,1,2,2-Tetrachloroethane

Concen: 50.267 ug/l

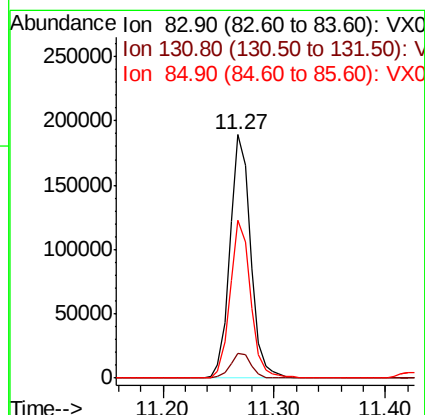
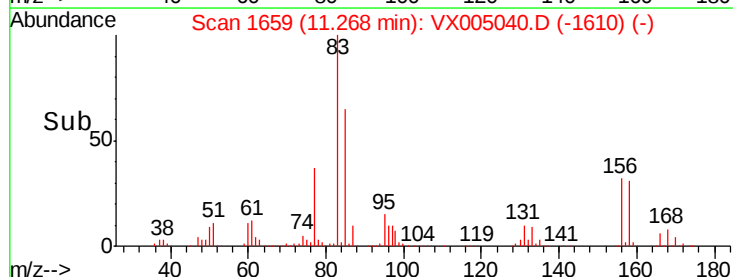
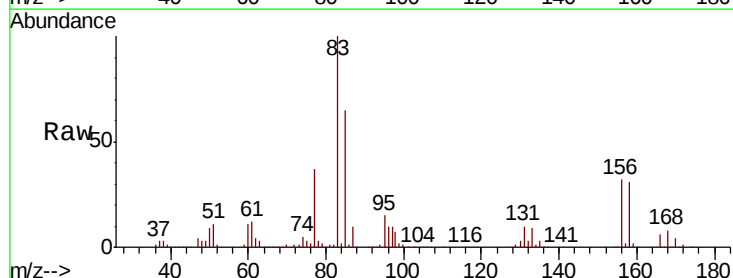
RT: 11.27 min Scan# 1659

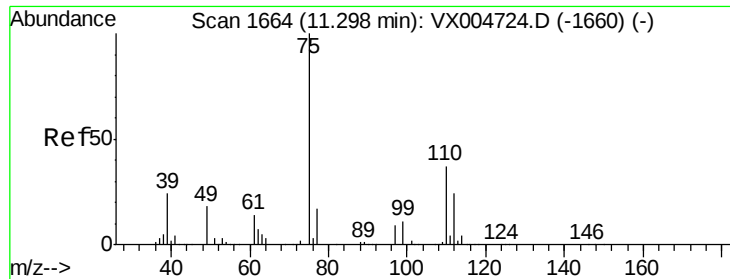
Delta R.T. -0.00 min

Lab File: VX005040.D

Acq: 05 Oct 2018 00:57

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 83      | 100  |       | 243199 |       |       |
| 131     | 10.2 | 5.1   | 15.3   |       |       |
| 85      | 64.2 | 31.9  | 95.9   |       |       |





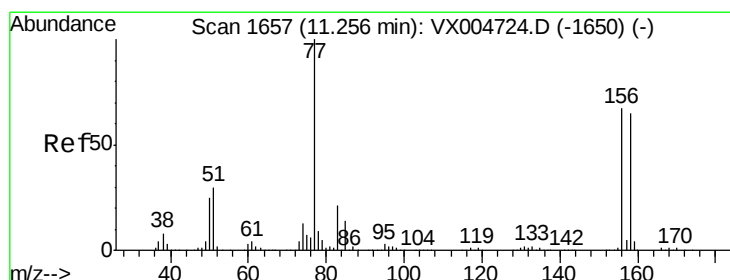
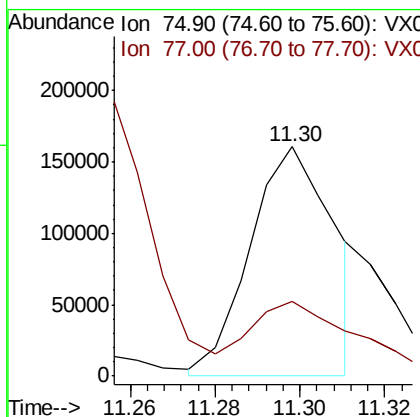
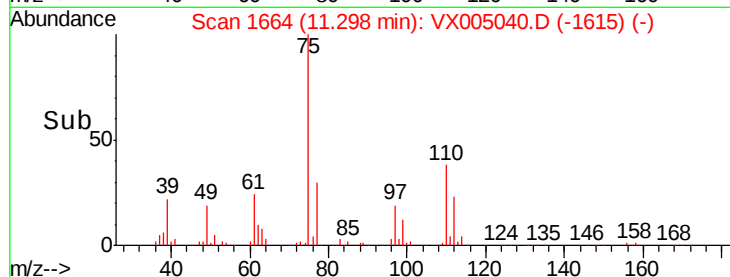
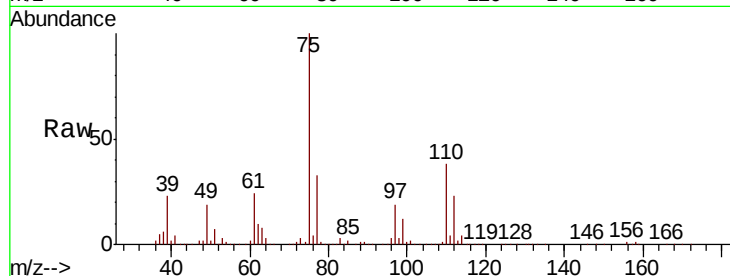
#76  
1,2,3-Trichloropropane  
Concen: 52.061 ug/l m  
RT: 11.30 min Scan# 1664  
Delta R.T. -0.00 min  
Lab File: VX005040.D  
Acq: 05 Oct 2018 00:57

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-TW511-2125MSD

Tot Ion: 75 Resp: 220030  
Ion Ratio Lower Upper  
75 100  
77 41.2 21.4 64.3

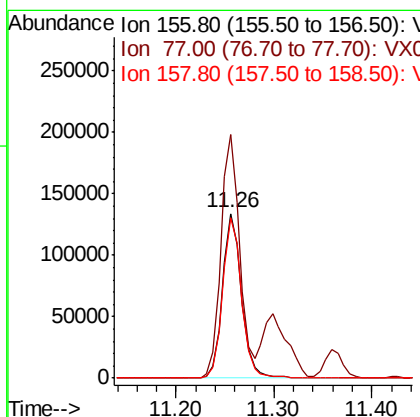
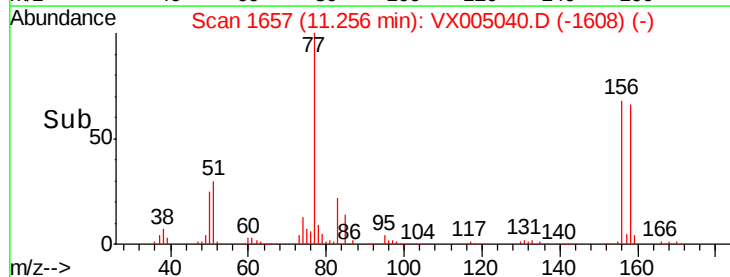
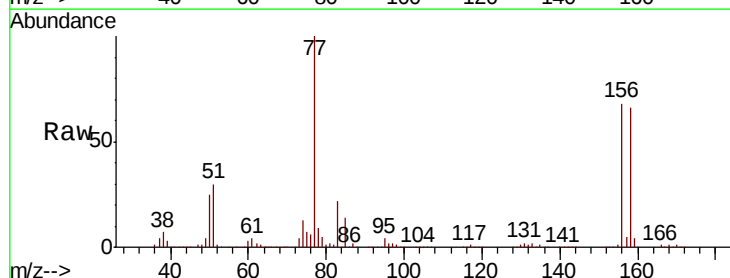
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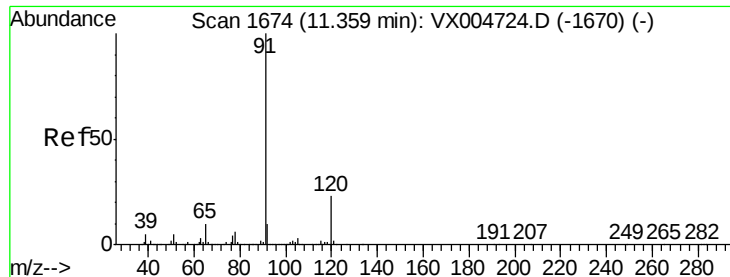
MMDadoda  
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#77  
Bromobenzene  
Concen: 51.949 ug/l  
RT: 11.26 min Scan# 1657  
Delta R.T. -0.00 min  
Lab File: VX005040.D  
Acq: 05 Oct 2018 00:57

Tgt Ion: 156 Resp: 179339  
Ion Ratio Lower Upper  
156 100  
77 146.3 73.4 220.2  
158 97.5 49.1 147.4





#78

n-propylbenzene

Concen: 54.477 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005040.D

Acq: 05 Oct 2018 00:57

Instrument :

MSVOA\_X

ClientSampleId :

SA-TW511-2125MSD

Tot Ion: 91 Resp: 742906

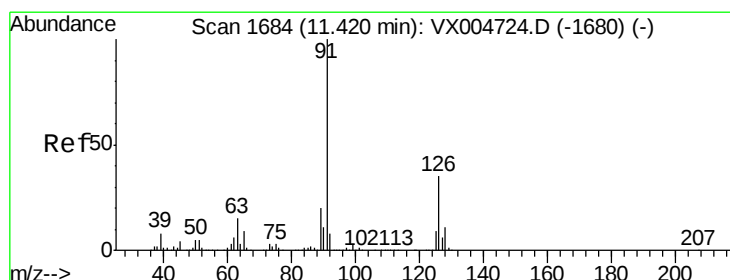
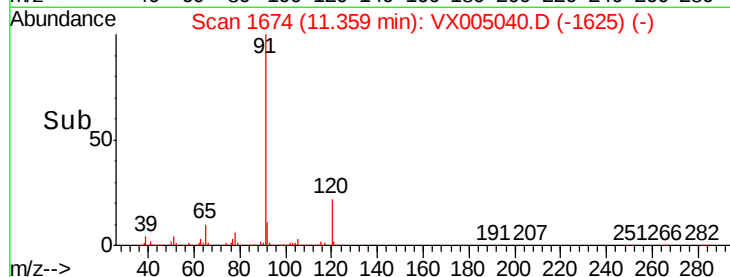
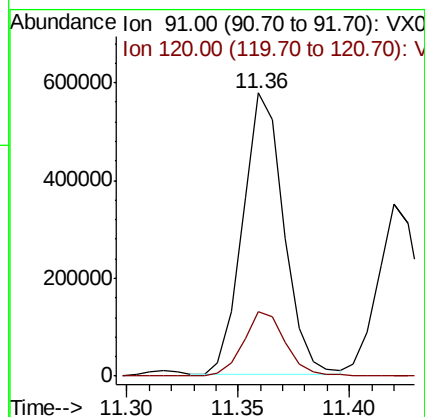
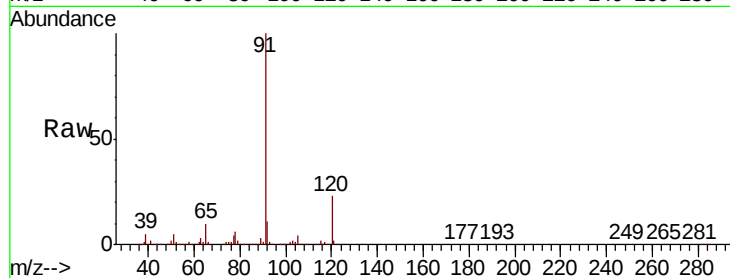
Ion Ratio Lower Upper

91 100

120 23.5 12.0 36.0

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#79

2-Chlorotoluene

Concen: 53.659 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005040.D

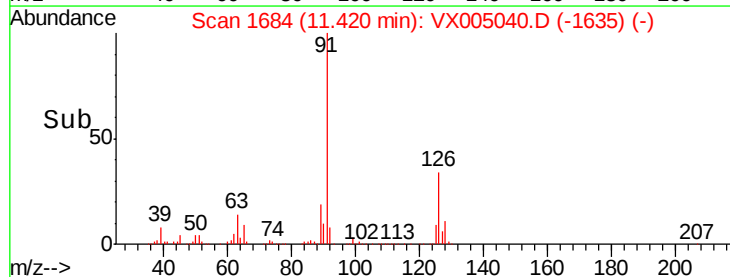
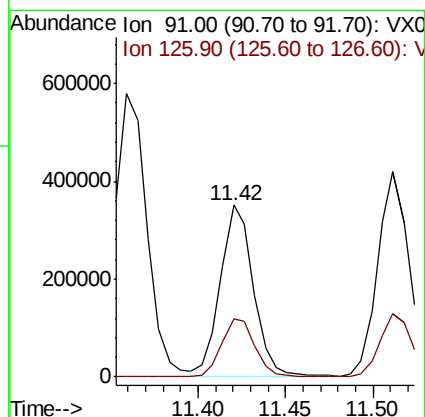
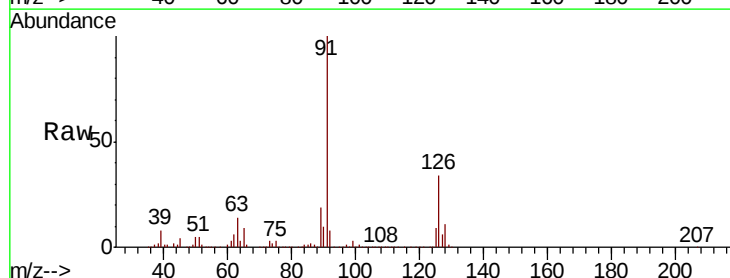
Acq: 05 Oct 2018 00:57

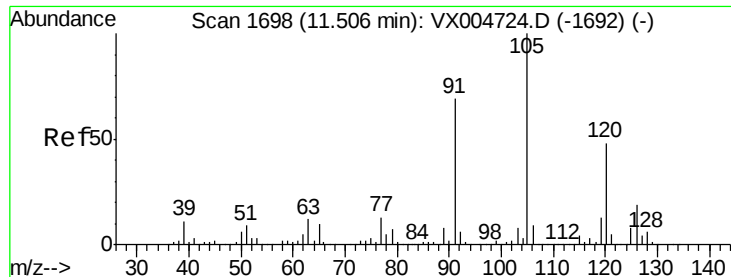
Tgt Ion: 91 Resp: 456108

Ion Ratio Lower Upper

91 100

126 35.0 17.6 52.9





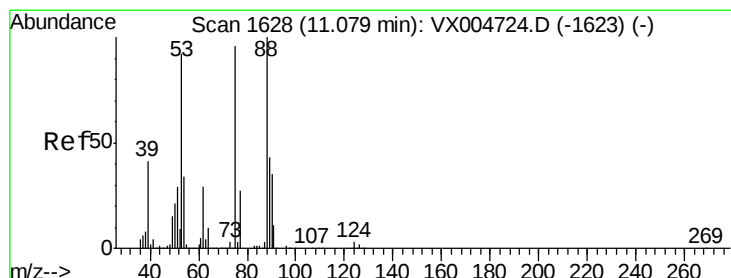
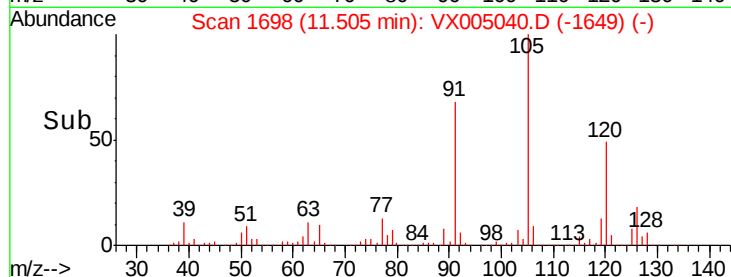
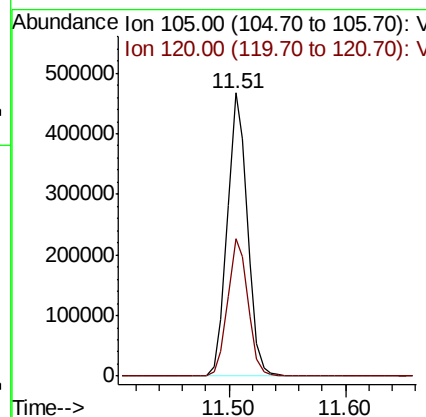
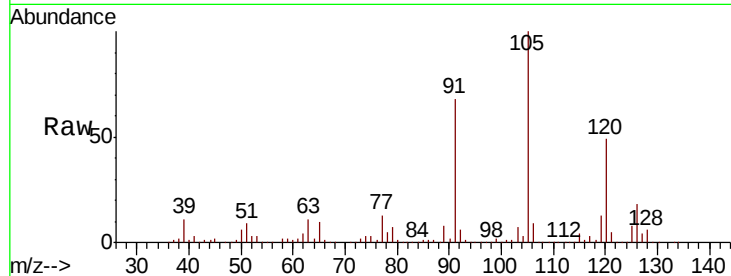
#80  
 1,3,5-Trimethylbenzene  
 Concen: 50.959 ug/l  
 RT: 11.51 min Scan# 1698  
 Delta R.T. -0.00 min  
 Lab File: VX005040.D  
 Acq: 05 Oct 2018 00:57

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-TW511-2125MSD

Tot Ion:105 Resp: 555067  
 Ion Ratio Lower Upper  
 105 100  
 120 49.2 24.3 72.8

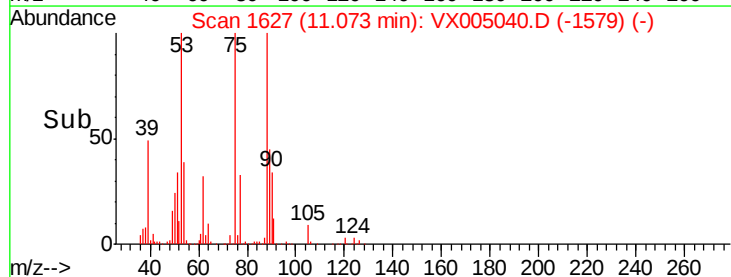
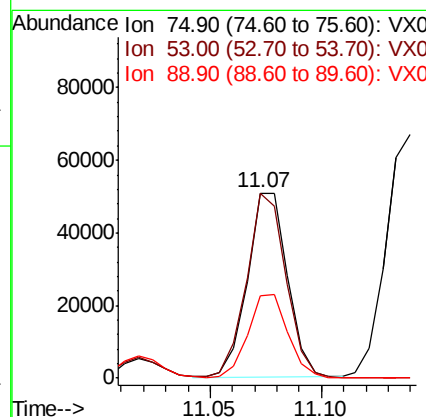
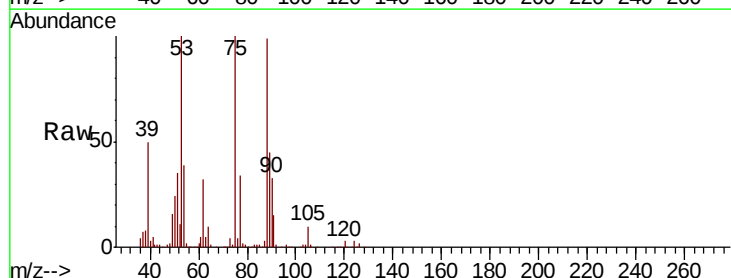
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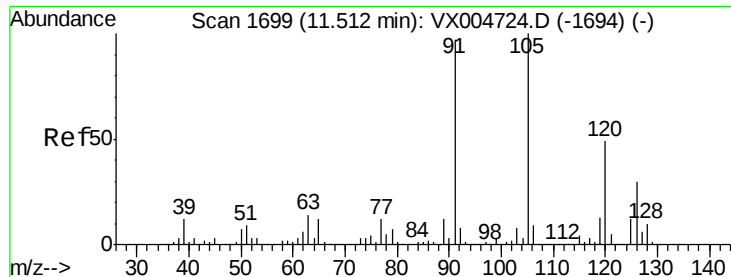
MMDadoda  
 10/5/2018 3:24:53 PM



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 41.558 ug/l  
 RT: 11.07 min Scan# 1627  
 Delta R.T. -0.01 min  
 Lab File: VX005040.D  
 Acq: 05 Oct 2018 00:57

Tgt Ion: 75 Resp: 63857  
 Ion Ratio Lower Upper  
 75 100  
 53 98.7 80.2 120.4  
 89 45.5 37.1 55.7





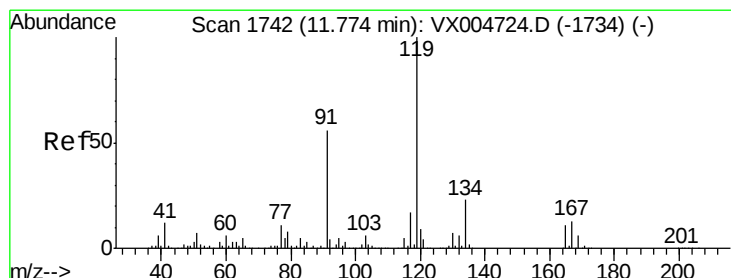
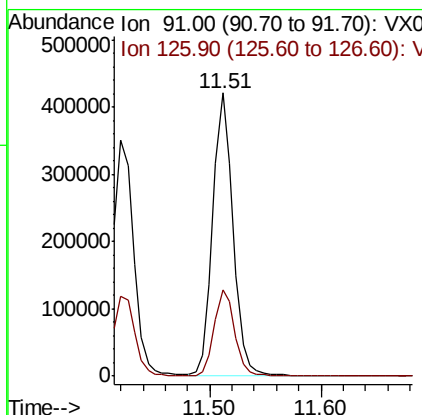
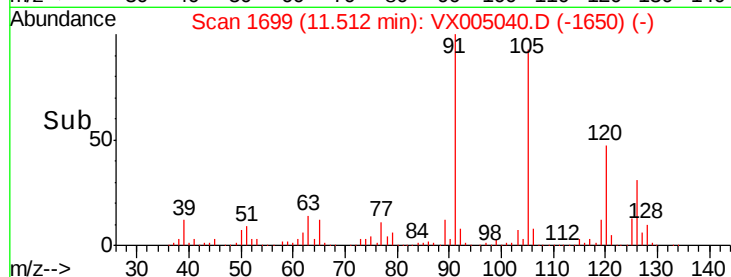
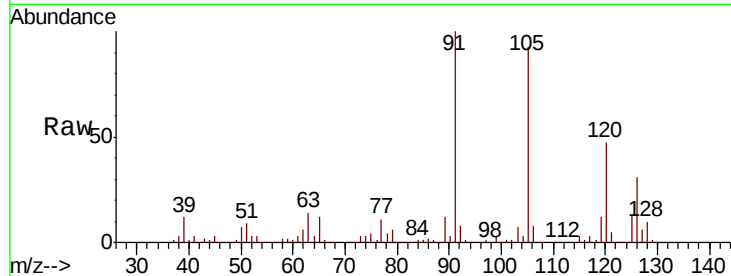
#82  
4-Chlorotoluene  
Concen: 53.307 ug/l  
RT: 11.51 min Scan# 1699  
Delta R.T. -0.00 min  
Lab File: VX005040.D  
Acq: 05 Oct 2018 00:57

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-TW511-2125MSD

Tot Ion: 91 Resp: 533345  
Ion Ratio Lower Upper  
91 100  
126 31.0 15.5 46.5

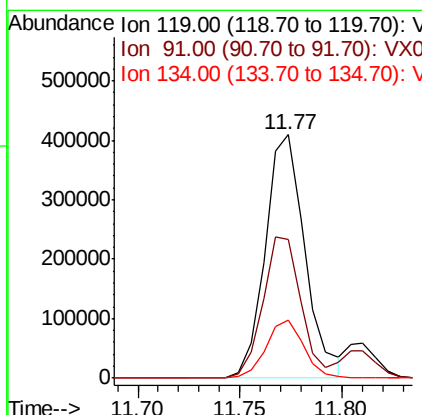
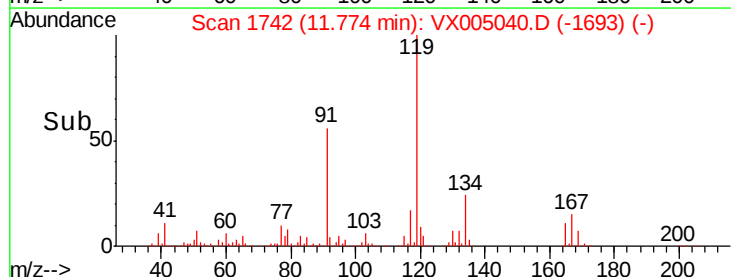
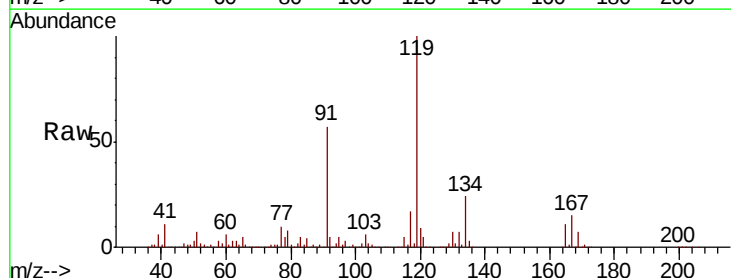
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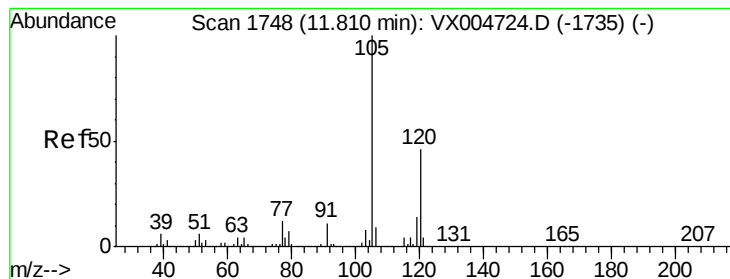
MMDadoda  
10/5/2018 3:24:53 PM



#83  
tert-Butylbenzene  
Concen: 56.777 ug/l  
RT: 11.77 min Scan# 1742  
Delta R.T. -0.00 min  
Lab File: VX005040.D  
Acq: 05 Oct 2018 00:57

Tgt Ion: 119 Resp: 555595  
Ion Ratio Lower Upper  
119 100  
91 55.6 27.5 82.5  
134 22.7 11.5 34.4





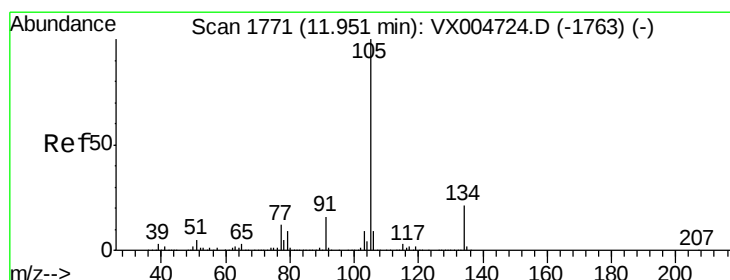
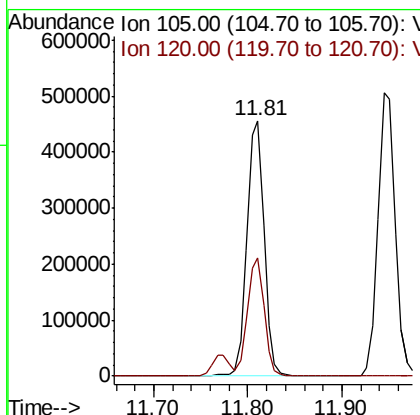
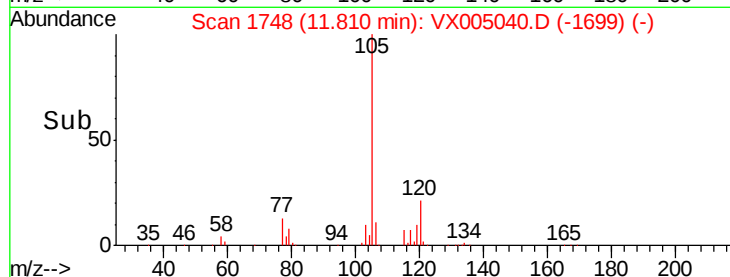
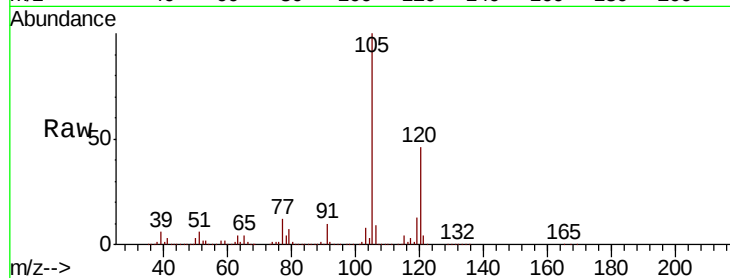
#84  
 1,2,4-Trimethylbenzene  
 Concen: 51.620 ug/l  
 RT: 11.81 min Scan# 1748  
 Delta R.T. -0.00 min  
 Lab File: VX005040.D  
 Acq: 05 Oct 2018 00:57

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-TW511-2125MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 45.1  | 22.8  | 68.3  |

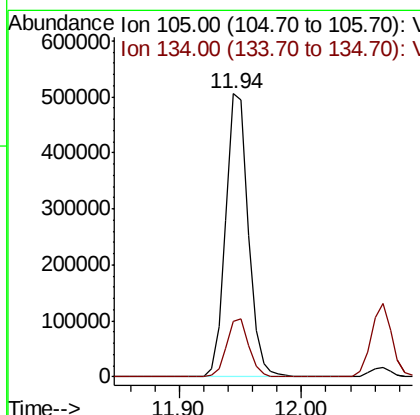
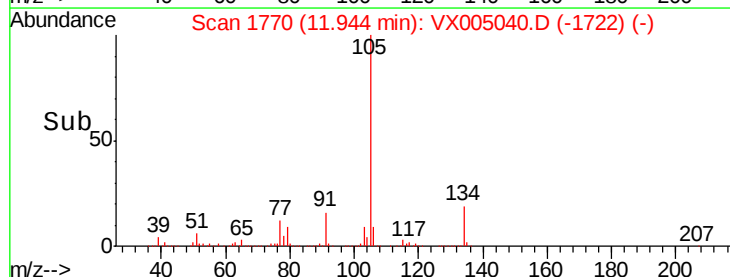
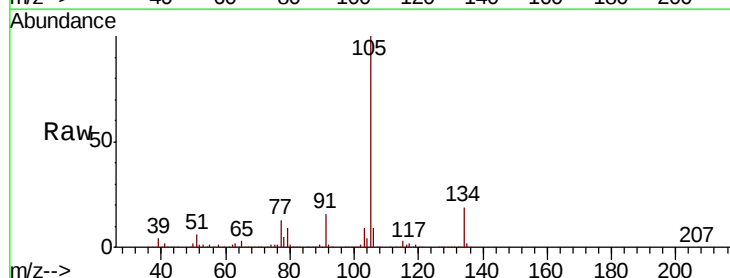
Manual Integrations  
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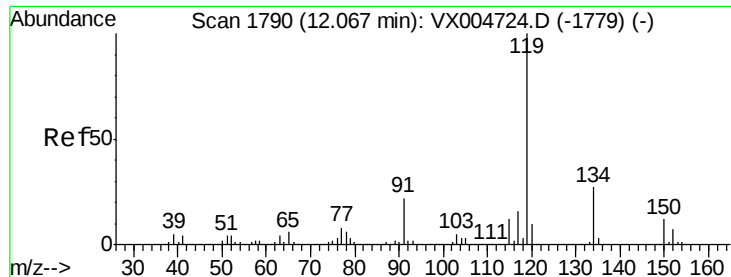
MMDadoda  
 10/5/2018 3:24:53 PM



#85  
 sec-Butylbenzene  
 Concen: 54.107 ug/l  
 RT: 11.94 min Scan# 1770  
 Delta R.T. -0.01 min  
 Lab File: VX005040.D  
 Acq: 05 Oct 2018 00:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 20.2  | 10.2  | 30.4  |





#86  
p-Isopropyltoluene  
Concen: 53.653 ug/l  
RT: 12.07 min Scan# 1790  
Delta R.T. -0.00 min  
Lab File: VX005040.D  
Acq: 05 Oct 2018 00:57

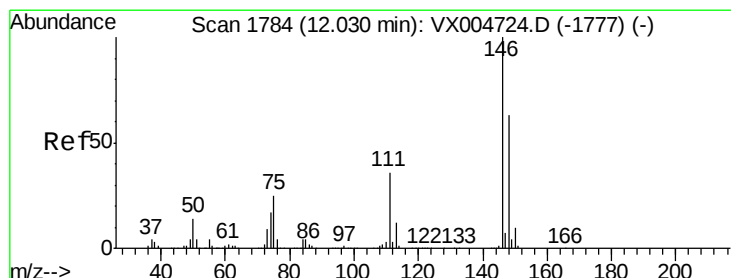
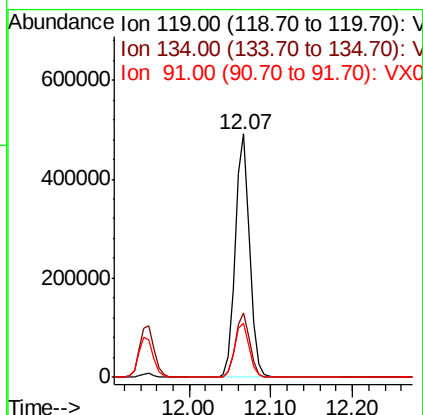
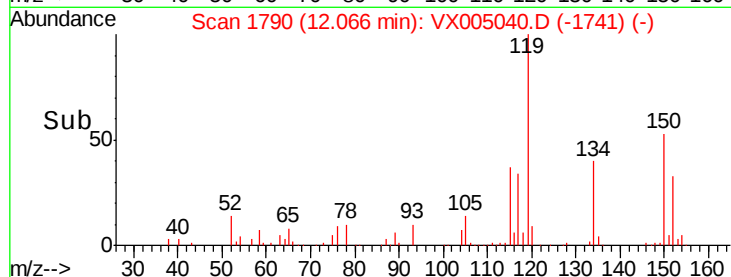
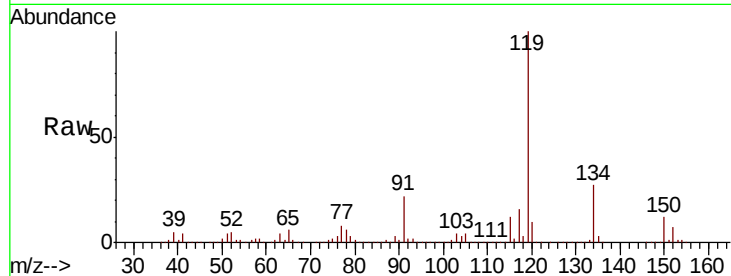
Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-TW511-2125MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 579389 |       |       |
| 134     | 26.4  |        | 13.4  | 40.1  |
| 91      | 23.0  |        | 11.5  | 34.4  |

Manual Integrations  
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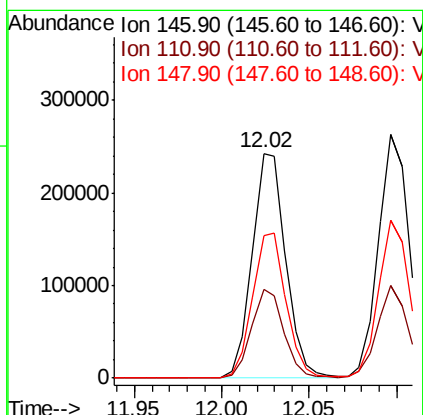
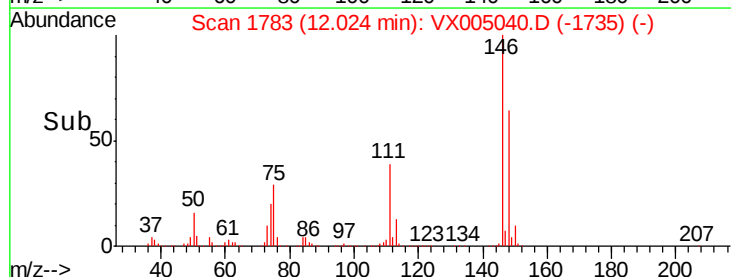
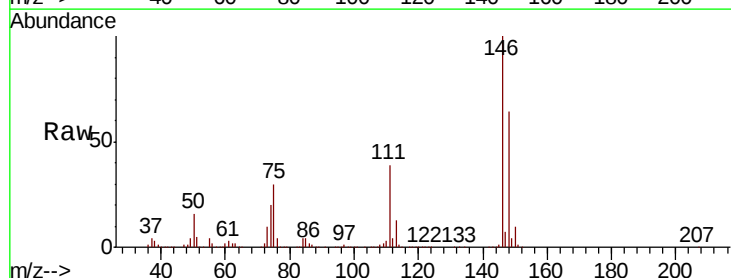
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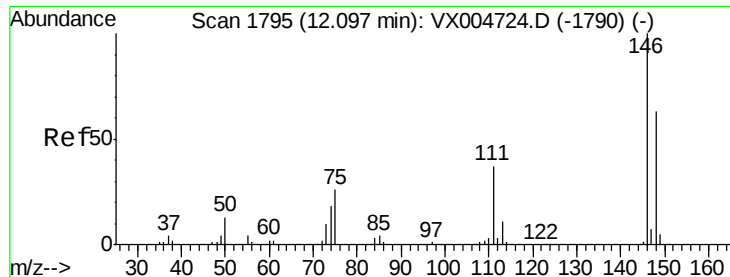
10/5/2018 3:24:53 PM



#87  
1,3-Dichlorobenzene  
Concen: 50.259 ug/l  
RT: 12.02 min Scan# 1783  
Delta R.T. -0.01 min  
Lab File: VX005040.D  
Acq: 05 Oct 2018 00:57

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 323981 |       |       |
| 111     | 38.4  |        | 18.9  | 56.9  |
| 148     | 64.5  |        | 31.8  | 95.3  |





#88  
 1,4-Dichlorobenzene  
 Concen: 49.139 ug/l  
 RT: 12.10 min Scan# 1795  
 Delta R.T. -0.00 min  
 Lab File: VX005040.D  
 Acq: 05 Oct 2018 00:57

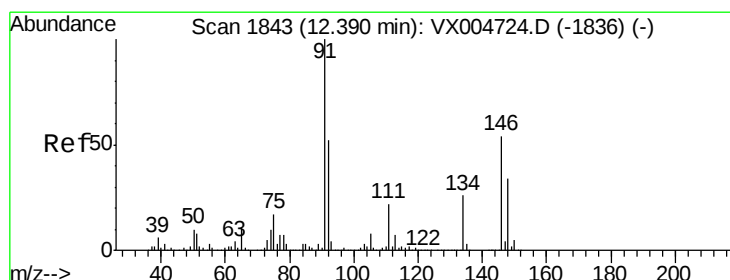
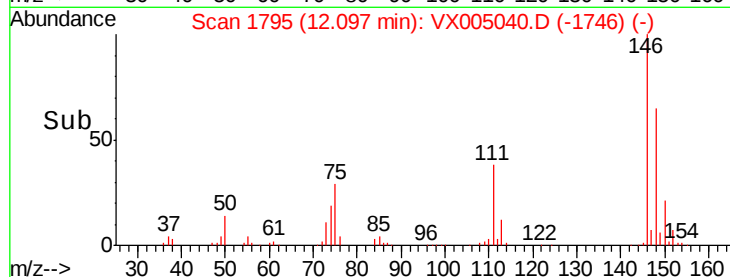
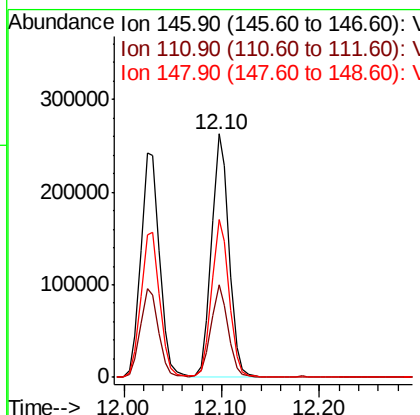
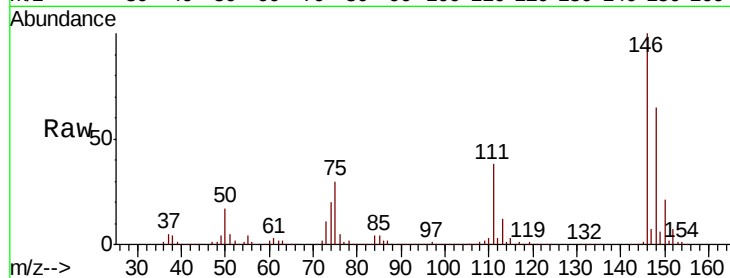
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-TW511-2125MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.3  | 18.4  | 55.2  |
| 148     | 64.6  | 32.0  | 96.0  |

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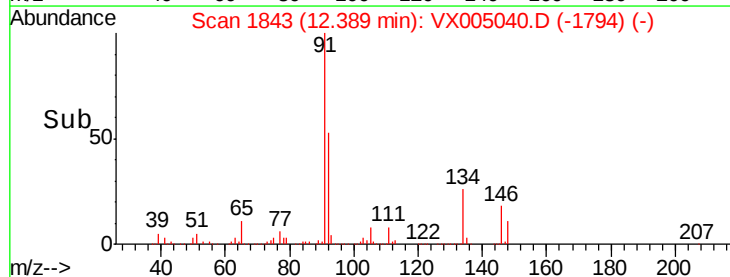
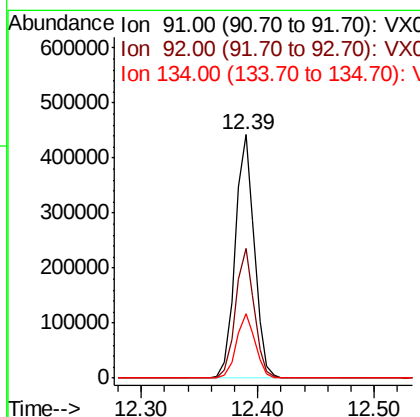
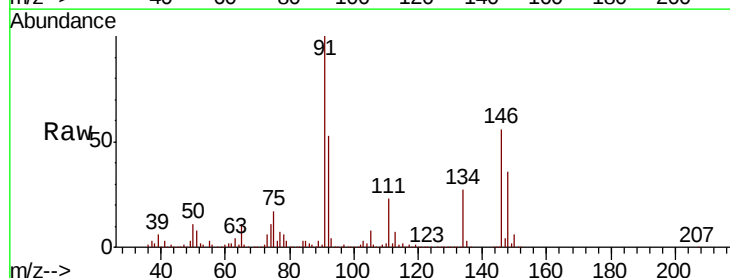
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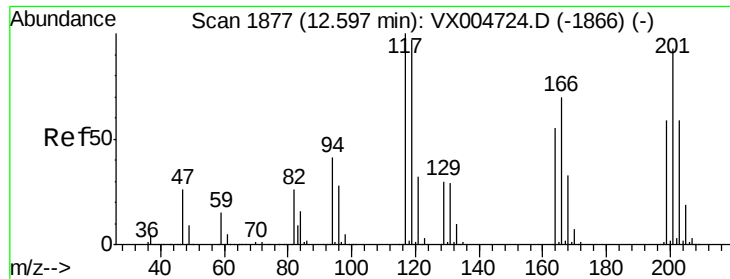
10/5/2018 3:24:53 PM



#89  
 n-Butylbenzene  
 Concen: 51.466 ug/l  
 RT: 12.39 min Scan# 1843  
 Delta R.T. -0.00 min  
 Lab File: VX005040.D  
 Acq: 05 Oct 2018 00:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.3  | 26.0  | 78.0  |
| 134     | 26.2  | 13.2  | 39.6  |





#90  
Hexachloroethane  
Concen: 51.872 ug/l  
RT: 12.60 min Scan# 1877  
Delta R.T. -0.00 min  
Lab File: VX005040.D  
Acq: 05 Oct 2018 00:57

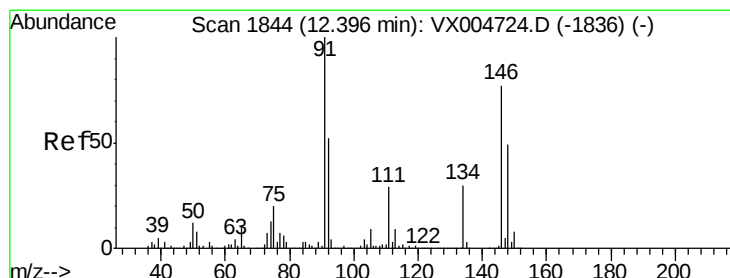
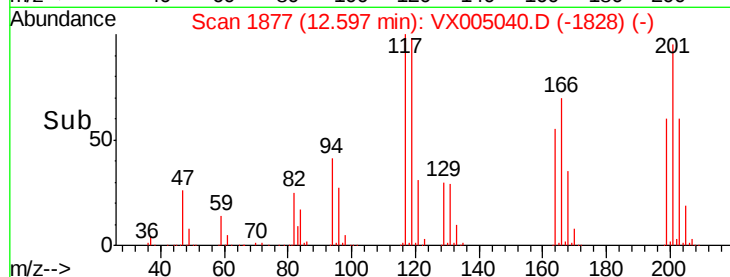
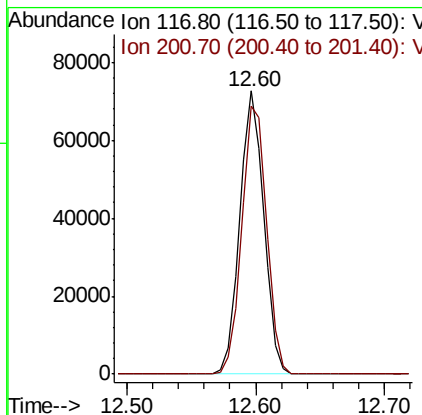
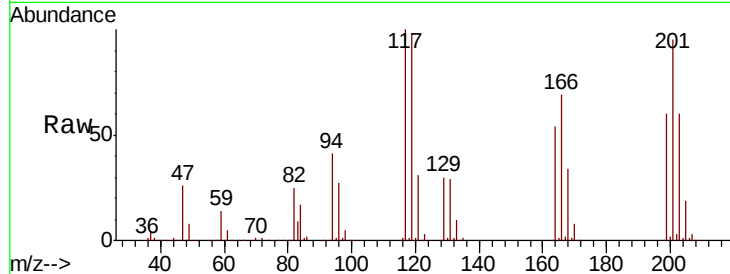
Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-TW511-2125MSD

Tot Ion:117 Resp: 93265  
Ion Ratio Lower Upper  
117 100  
201 97.6 48.4 145.0

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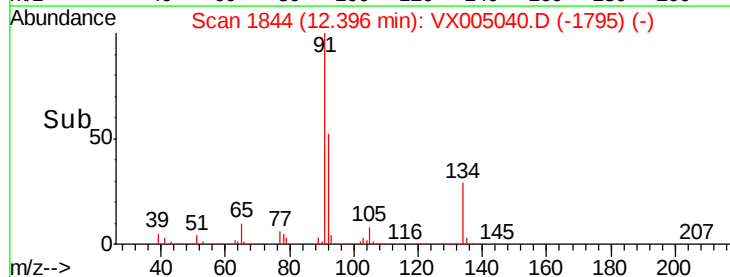
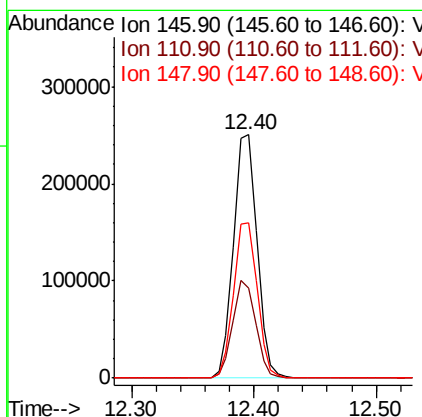
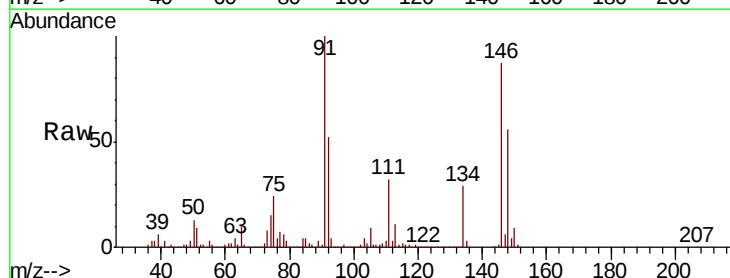
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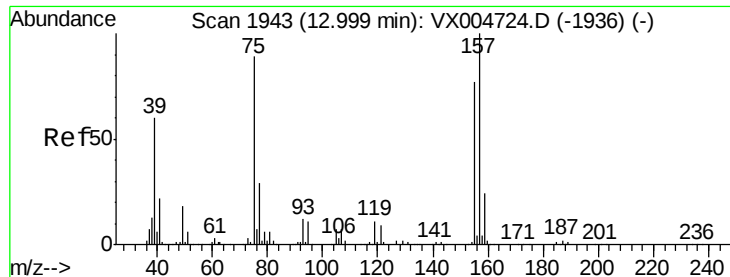
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#91  
1,2-Dichlorobenzene  
Concen: 49.376 ug/l  
RT: 12.40 min Scan# 1844  
Delta R.T. -0.00 min  
Lab File: VX005040.D  
Acq: 05 Oct 2018 00:57

Tgt Ion:146 Resp: 332626  
Ion Ratio Lower Upper  
146 100  
111 39.2 19.6 58.7  
148 64.2 31.8 95.4





#92

1,2-Dibromo-3-Chloropropane

Concen: 52.106 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX005040.D

Acq: 05 Oct 2018 00:57

Instrument :

MSVOA\_X

ClientSampleId :

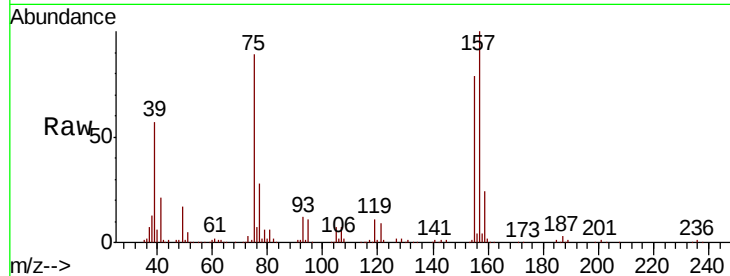
SA-TW511-2125MSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 75    | Resp: | 55352 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 92.8  | 46.1  | 138.3 |
| 157       | 119.9 | 60.2  | 180.6 |

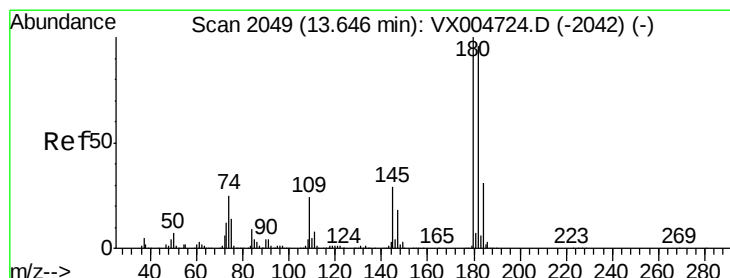
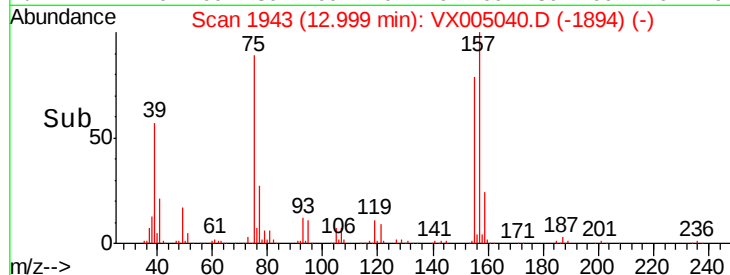
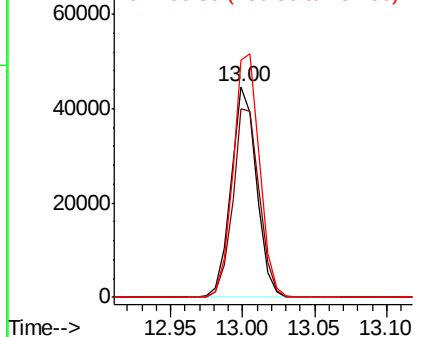
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Abundance Ion 74.90 (74.60 to 75.60): VX005040.D (-1894) (-)



#93

1,2,4-Trichlorobenzene

Concen: 51.277 ug/l

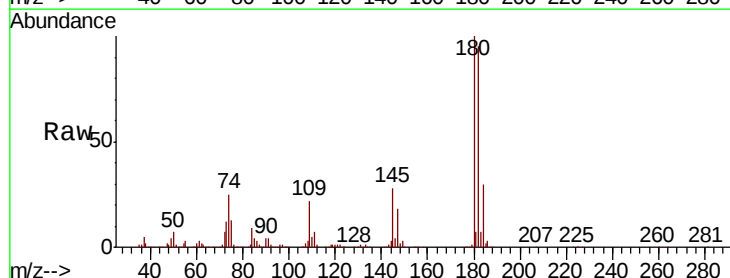
RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

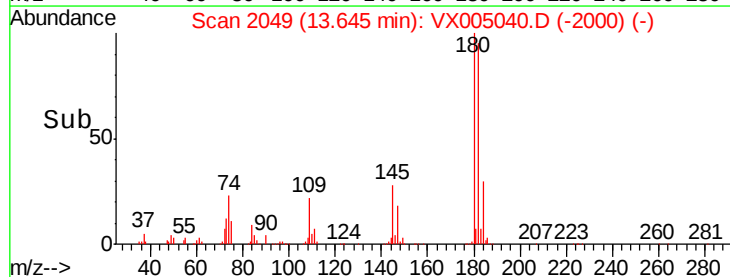
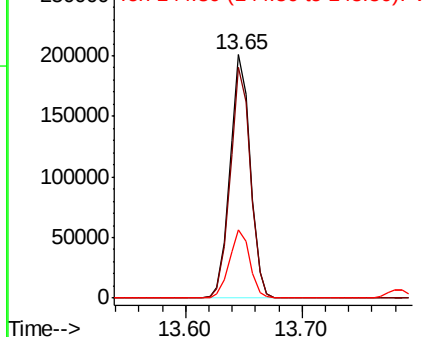
Lab File: VX005040.D

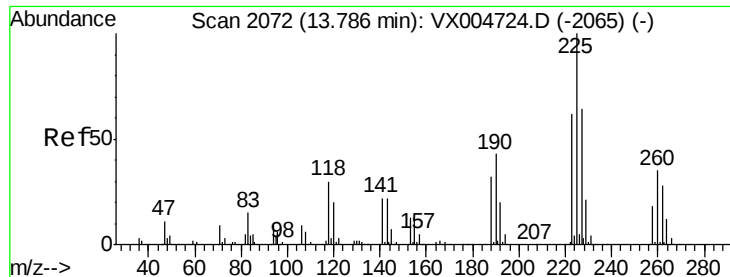
Acq: 05 Oct 2018 00:57

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 242314 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 94.7  | 47.8  | 143.4  |
| 145       | 28.3  | 14.1  | 42.4   |



Abundance Ion 179.80 (179.50 to 180.50): VX005040.D (-2000) (-)





#94

Hexachlorobutadiene

Concen: 44.279 ug/l

RT: 13.79 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VX005040.D

Acq: 05 Oct 2018 00:57

Instrument :

MSVOA\_X

ClientSampleId :

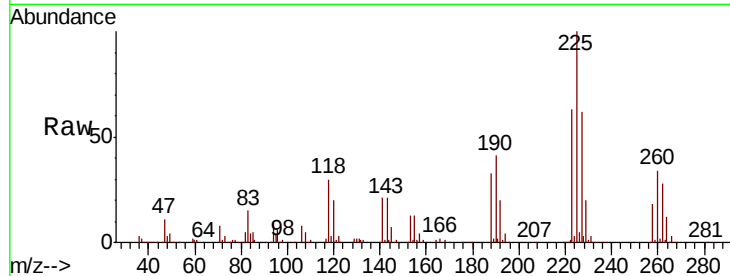
SA-TW511-2125MSD

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 225  | Resp: | 108505 |
| Ion Ratio |      | Lower | Upper  |
| 225       | 100  |       |        |
| 223       | 63.4 | 31.3  | 93.8   |
| 227       | 64.0 | 31.9  | 95.5   |

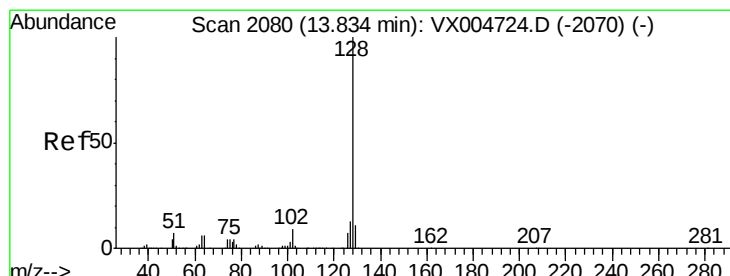
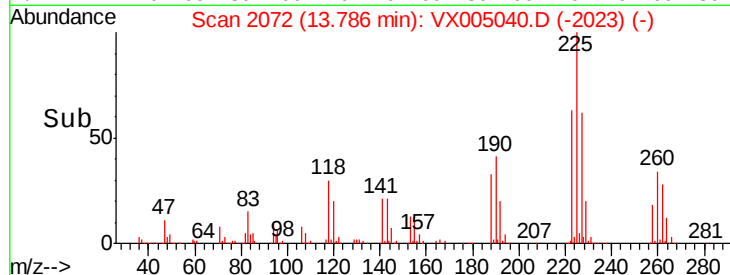
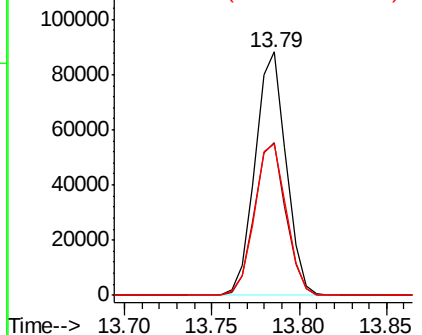
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Abundance Ion 224.70 (224.40 to 225.40): V  
Ion 222.70 (222.40 to 223.40): V  
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 51.568 ug/l

RT: 13.83 min Scan# 2080

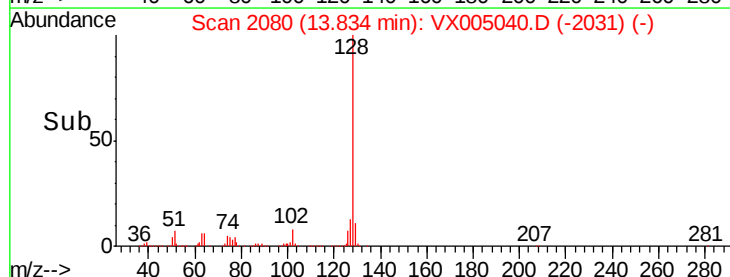
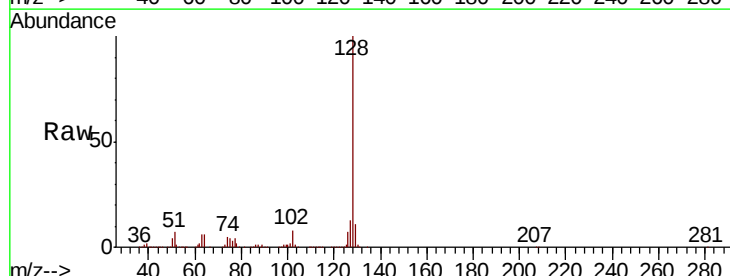
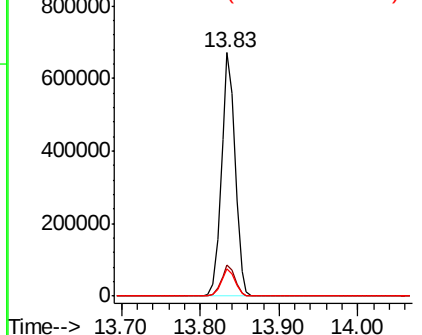
Delta R.T. -0.00 min

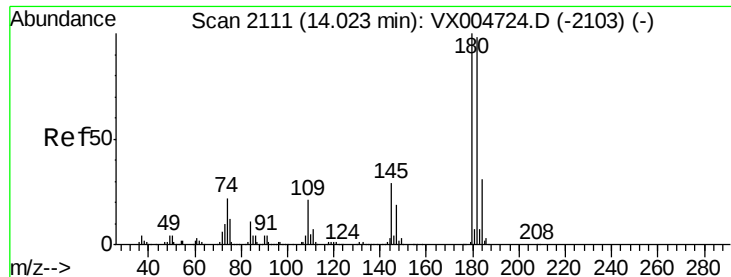
Lab File: VX005040.D

Acq: 05 Oct 2018 00:57

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 128  | Resp: | 809176 |
| Ion Ratio |      | Lower | Upper  |
| 128       | 100  |       |        |
| 127       | 12.9 | 10.4  | 15.6   |
| 129       | 11.1 | 8.7   | 13.1   |

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: 51.740 ug/l  
 RT: 14.02 min Scan# 2111  
 Delta R.T. -0.00 min  
 Lab File: VX005040.D  
 Acq: 05 Oct 2018 00:57

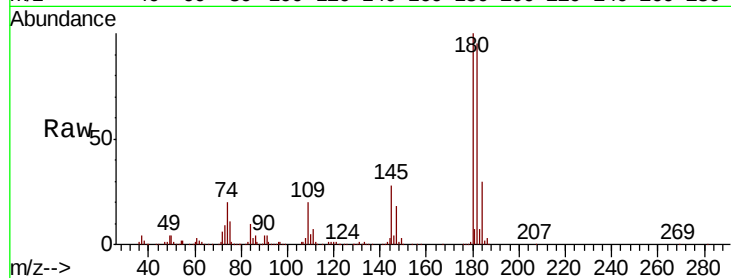
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-TW511-2125MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 180   | Resp: | 252572 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.0  | 47.9  | 143.8  |
| 145       | 29.4  | 15.0  | 45.0   |

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Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

