

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100918\  
 Data File : VX005178.D  
 Acq On : 09 Oct 2018 23:51  
 Operator : JC/MD  
 Sample : J5303-03MS  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-TW513-1014MS

Manual Integrations  
 APPROVED

MMDadoda  
 10/10/2018 2:08:05 PM

Quant Time: Oct 10 08:07:07 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  | 168725   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 260370   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 253292   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 155765   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.07   | 65  | 137519   | 57.06 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 114.12% |      |
| 35) Dibromofluoromethane  | 5.50   | 113 | 108817   | 49.31 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.62%  |      |
| 50) Toluene-d8            | 8.72   | 98  | 394354   | 53.76 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 107.52% |      |
| 62) 4-Bromofluorobenzene  | 11.14  | 95  | 146331   | 55.37 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 110.74% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 105407  | 45.819  | ug/l | 99     |
| 3) Chloromethane              | 1.32 | 50  | 133517  | 47.837  | ug/l | 98     |
| 4) Vinyl Chloride             | 1.41 | 62  | 139307  | 53.216  | ug/l | 89     |
| 5) Bromomethane               | 1.64 | 94  | 95087   | 61.255  | ug/l | 95     |
| 6) Chloroethane               | 1.71 | 64  | 83030   | 58.601  | ug/l | 99     |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 174156  | 53.739  | ug/l | 89     |
| 8) Diethyl Ether              | 2.19 | 74  | 72958   | 51.821  | ug/l | 96     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.38 | 101 | 88036   | 47.689  | ug/l | 99     |
| 10) Methyl Iodide             | 2.51 | 142 | 122130  | 49.440  | ug/l | 93     |
| 11) Tert butyl alcohol        | 3.08 | 59  | 199824  | 296.508 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 2.37 | 96  | 93567   | 51.180  | ug/l | 95     |
| 13) Acrolein                  | 2.29 | 56  | 34919   | 72.825  | ug/l | 90     |
| 14) Allyl chloride            | 2.72 | 41  | 193384  | 48.480  | ug/l | 95     |
| 15) Acrylonitrile             | 3.15 | 53  | 423520  | 285.474 | ug/l | 96     |
| 16) Acetone                   | 2.45 | 43  | 400404  | 284.551 | ug/l | 95     |
| 17) Carbon Disulfide          | 2.56 | 76  | 231262  | 42.097  | ug/l | 99     |
| 18) Methyl Acetate            | 2.78 | 43  | 171843  | 48.201  | ug/l | 98     |
| 19) Methyl tert-butyl Ether   | 3.20 | 73  | 366968  | 58.193  | ug/l | 95     |
| 20) Methylene Chloride        | 2.85 | 84  | 113535  | 55.587  | ug/l | 86     |
| 21) trans-1,2-Dichloroethene  | 3.16 | 96  | 98838   | 49.387  | ug/l | 87     |
| 22) Diisopropyl ether         | 3.87 | 45  | 359519  | 53.523  | ug/l | 95     |
| 23) Vinyl Acetate             | 3.82 | 43  | 1005698 | 163.568 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 3.70 | 63  | 213596  | 53.308  | ug/l | 100    |
| 25) 2-Butanone                | 4.71 | 43  | 550397  | 265.357 | ug/l | 96     |
| 26) 2,2-Dichloropropane       | 4.58 | 77  | 45022   | 16.136  | ug/l | 92     |
| 27) cis-1,2-Dichloroethene    | 4.60 | 96  | 108230  | 48.410  | ug/l | 96     |
| 28) Bromochloromethane        | 5.02 | 49  | 103307  | 54.751  | ug/l | 99     |
| 29) Tetrahydrofuran           | 5.17 | 42  | 358848  | 278.355 | ug/l | 98     |
| 30) Chloroform                | 5.21 | 83  | 194603  | 51.389  | ug/l | 98     |
| 31) Cyclohexane               | 5.57 | 56  | 139049  | 45.342  | ug/l | 92     |
| 32) 1,1,1-Trichloroethane     | 5.49 | 97  | 162758  | 52.628  | ug/l | 96     |
| 36) 1,1-Dichloropropene       | 5.80 | 75  | 131393  | 43.642  | ug/l | 94     |
| 37) Ethyl Acetate             | 4.87 | 43  | 130673  | 32.697  | ug/l | 98     |
| 38) Carbon Tetrachloride      | 5.77 | 117 | 143065  | 45.205  | ug/l | 90     |

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 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-TW513-1014MS

Manual Integrations  
 APPROVED

MMDadoda  
 10/10/2018 2:08:05 PM

Quant Time: Oct 10 08:07:07 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   | 117332   | 38.166   | ug/l  | 86       |
| 40) Benzene                    | 6.14  | 78   | 421654   | 44.735   | ug/l  | 94       |
| 41) Methacrylonitrile          | 5.06  | 41   | 107125   | 48.334   | ug/l  | 97       |
| 42) 1,2-Dichloroethane         | 6.20  | 62   | 158747   | 47.642   | ug/l  | 97       |
| 43) Isopropyl Acetate          | 6.46  | 43   | 223389   | 38.727   | ug/l  | 96       |
| 44) Trichloroethene            | 7.21  | 130  | 108844   | 46.974   | ug/l  | 98       |
| 45) 1,2-Dichloropropane        | 7.52  | 63   | 116832   | 50.545   | ug/l  | 100      |
| 46) Dibromomethane             | 7.66  | 93   | 74810    | 51.499   | ug/l  | 100      |
| 47) Bromodichloromethane       | 7.90  | 83   | 147179   | 54.115   | ug/l  | 99       |
| 48) Methyl methacrylate        | 7.78  | 41   | 148788   | 56.830   | ug/l  | 99       |
| 49) 1,4-Dioxane                | 7.76  | 88   | 72277    | 1111.196 | ug/l  | 97       |
| 51) 4-Methyl-2-Pentanone       | 8.65  | 43   | 1037025  | 285.528  | ug/l  | 99       |
| 52) Toluene                    | 8.79  | 92   | 260971   | 50.388   | ug/l  | 97       |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 132146   | 42.996   | ug/l  | 94       |
| 54) cis-1,3-Dichloropropene    | 8.44  | 75   | 140346   | 43.597   | ug/l  | 98       |
| 55) 1,1,2-Trichloroethane      | 9.22  | 97   | 116856   | 51.509   | ug/l  | 96       |
| 56) Ethyl methacrylate         | 9.18  | 69   | 174239   | 47.482   | ug/l  | 98       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 192670   | 51.027   | ug/l  | 98       |
| 59) 2-Hexanone                 | 9.50  | 43   | 831531   | 274.743  | ug/l  | 95       |
| 60) Dibromochloromethane       | 9.59  | 129  | 121143   | 53.394   | ug/l  | 98       |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 118269   | 48.678   | ug/l  | 96       |
| 64) Tetrachloroethene          | 9.34  | 164  | 105182   | 42.192   | ug/l  | 96       |
| 65) Chlorobenzene              | 10.14 | 112  | 294946   | 45.410   | ug/l  | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.23 | 131  | 114006   | 49.928   | ug/l  | 99       |
| 67) Ethyl Benzene              | 10.26 | 91   | 488683   | 47.391   | ug/l  | 96       |
| 68) m/p-Xylenes                | 10.36 | 106  | 381306   | 94.627   | ug/l  | 96       |
| 69) o-Xylene                   | 10.70 | 106  | 185703   | 50.175   | ug/l  | 100      |
| 70) Stvrene                    | 10.71 | 104  | 315660   | 45.789   | ug/l  | 100      |
| 71) Bromoform                  | 10.86 | 173  | 99025    | 50.655   | ug/l  | 95       |
| 73) Isopropylbenzene           | 11.02 | 105  | 491135   | 50.024   | ug/l  | 99       |
| 74) N-amyl acetate             | 10.90 | 43   | 163490   | 30.985   | ug/l  | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 193101   | 48.316   | ug/l  | 100      |
| 76) 1,2,3-Trichloropropane     | 11.30 | 75   | 171062m  | 48.997   | ug/l  |          |
| 77) Bromobenzene               | 11.26 | 156  | 138455   | 48.551   | ug/l  | 100      |
| 78) n-propylbenzene            | 11.36 | 91   | 546479   | 48.511   | ug/l  | 99       |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 348588   | 49.644   | ug/l  | 99       |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 421118   | 46.785   | ug/l  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 36645    | 29.477   | ug/l  | 99       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 402632   | 48.716   | ug/l  | 99       |
| 83) tert-Butylbenzene          | 11.77 | 119  | 417883   | 51.696   | ug/l  | 100      |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 433830   | 46.736   | ug/l  | 98       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 471978   | 47.936   | ug/l  | 100      |
| 86) p-Isopropyltoluene         | 12.07 | 119  | 421416   | 47.241   | ug/l  | 99       |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 249178   | 46.794   | ug/l  | 100      |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 251380   | 45.731   | ug/l  | 100      |
| 89) n-Butylbenzene             | 12.39 | 91   | 343474   | 42.396   | ug/l  | 100      |
| 90) Hexachloroethane           | 12.60 | 117  | 72029    | 48.496   | ug/l  | 99       |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 259695   | 46.667   | ug/l  | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75   | 46793    | 53.323   | ug/l  | 99       |
| 93) 1,2,4-Trichlorobenzene     | 13.65 | 180  | 182187   | 46.671   | ug/l  | 100      |

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Sample : J5303-03MS  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-TW513-1014MS

Manual Integrations  
APPROVED

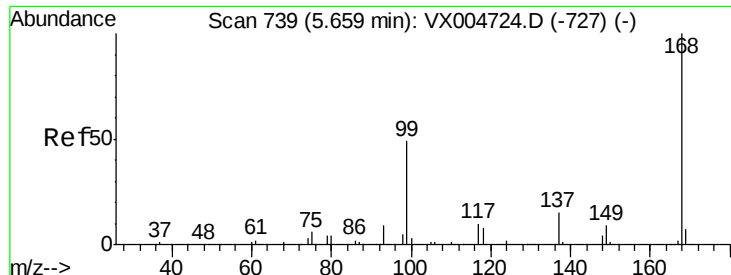
MMDadoda  
10/10/2018 2:08:05 PM

Quant Time: Oct 10 08:07:07 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  | 75519    | 37.307 | ug/l  | 100      |
| 95) Naphthalene            | 13.83 | 128  | 629710   | 48.622 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 196909   | 48.830 | ug/l  | 100      |

(#) = 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: VX005178.D

Acq: 09 Oct 2018 23:51

Instrument :

MSVOA\_X

ClientSampleId :

SA-TW513-1014MS

Tot Ion:168 Resp: 168725

Ion Ratio Lower Upper

168 100

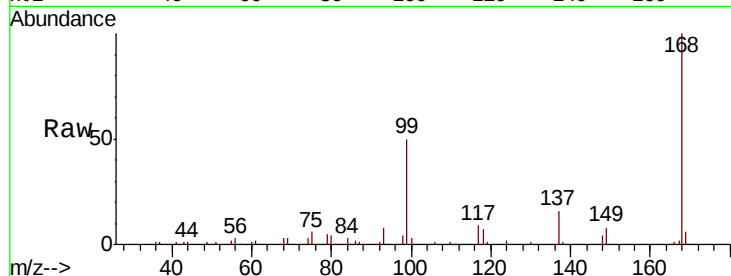
99 50.1 39.3 58.9

Manual Integrations

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10/10/2018 2:08:05 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

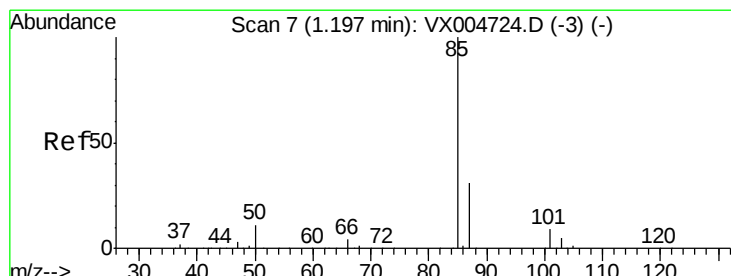
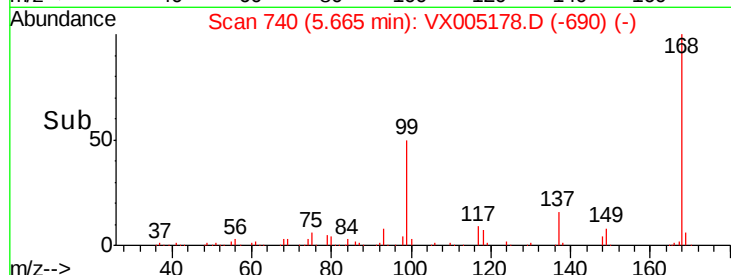
40000

20000

0

5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 45.819 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005178.D

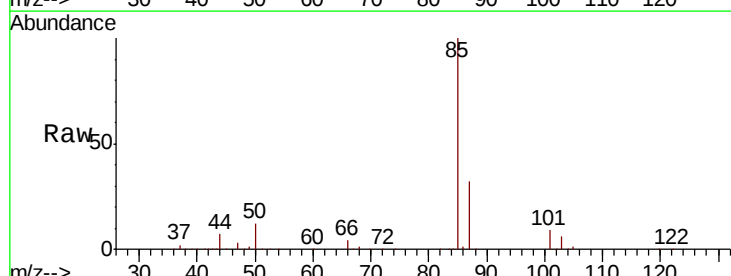
Acq: 09 Oct 2018 23:51

Tgt Ion: 85 Resp: 105407

Ion Ratio Lower Upper

85 100

87 32.1 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

100000

80000

60000

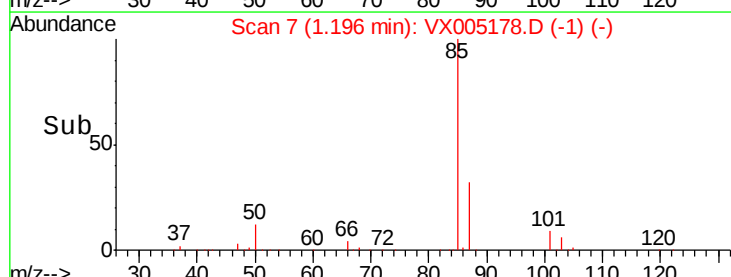
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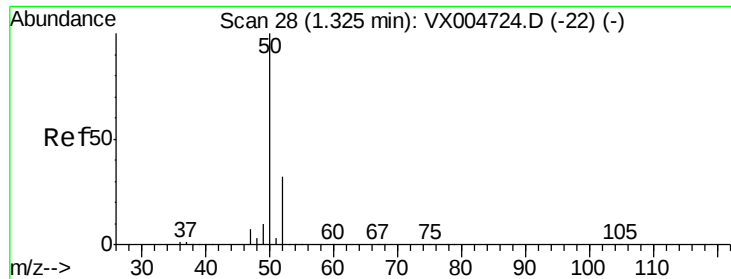
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0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 47.837 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005178.D

Acq: 09 Oct 2018 23:51

Instrument :

MSVOA\_X

ClientSampleId :

SA-TW513-1014MS

Tot Ion: 50 Resp: 133517

Ion Ratio Lower Upper

50 100

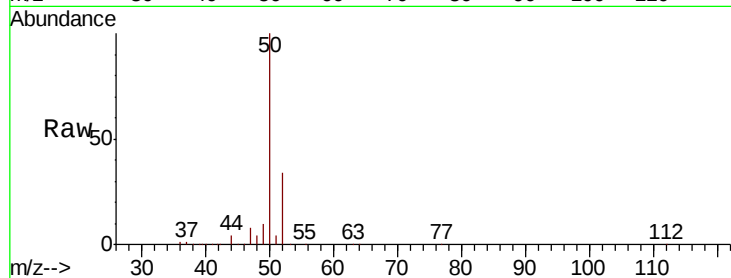
52 33.5 25.8 38.6

Manual Integrations

APPROVED

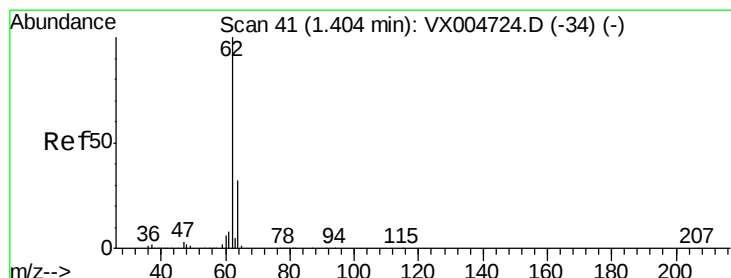
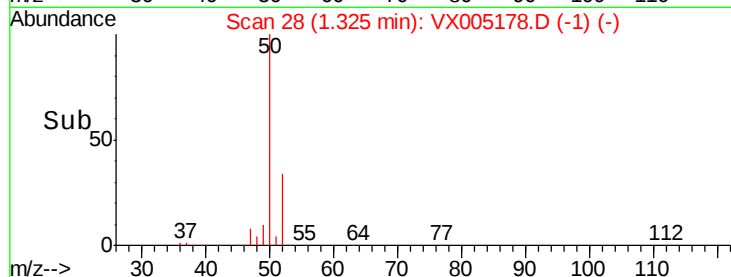
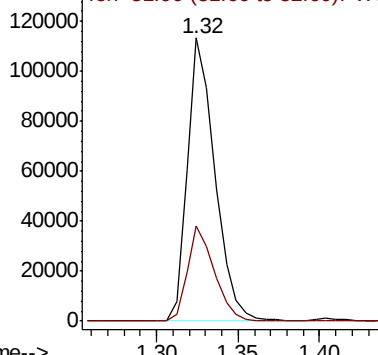
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10/10/2018 2:08:05 PM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 53.216 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX005178.D

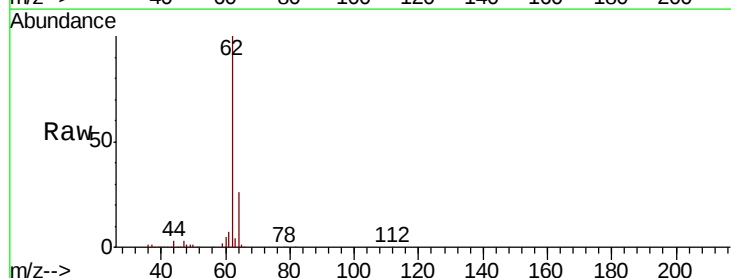
Acq: 09 Oct 2018 23:51

Tgt Ion: 62 Resp: 139307

Ion Ratio Lower Upper

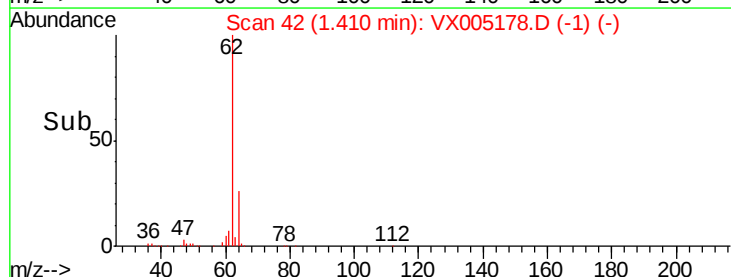
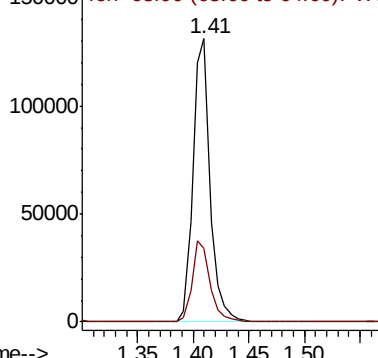
62 100

64 26.0 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 61.255 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005178.D

Acq: 09 Oct 2018 23:51

Instrument :

MSVOA\_X

ClientSampleId :

SA-TW513-1014MS

Tot Ion: 94 Resp: 95087

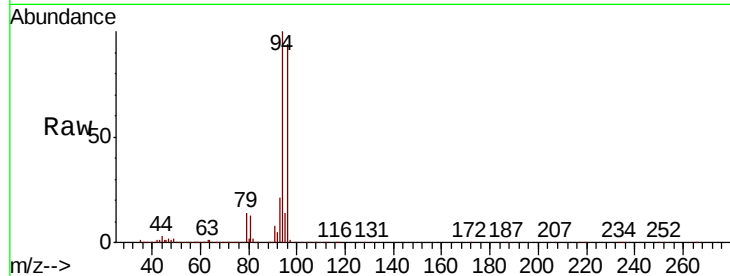
Ion Ratio Lower Upper

94 100

96 93.9 79.5 119.3

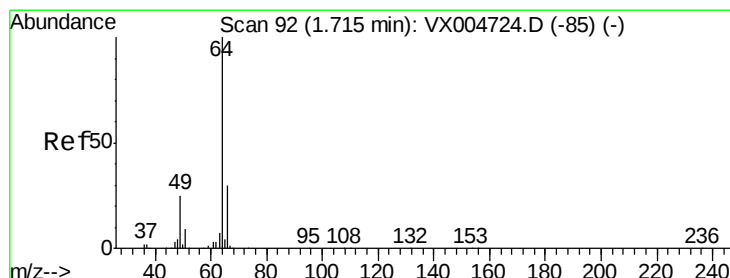
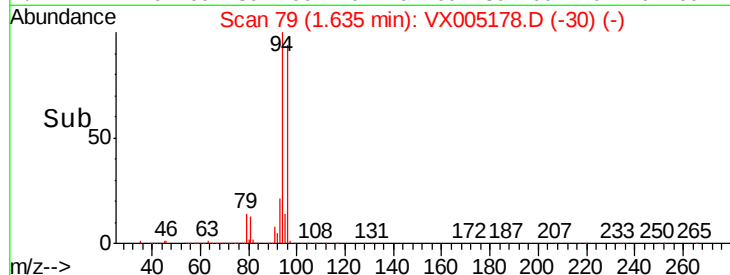
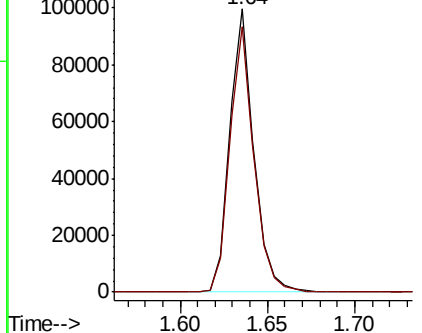
Manual Integrations  
APPROVED

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10/10/2018 2:08:05 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 58.601 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX005178.D

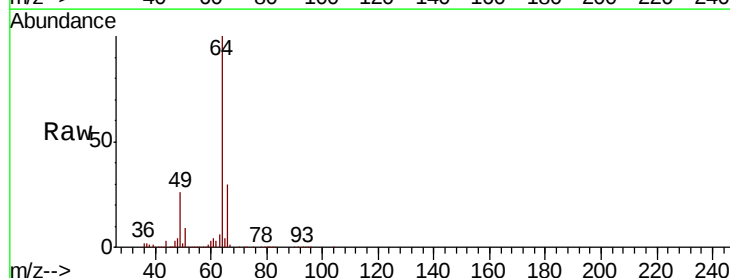
Acq: 09 Oct 2018 23:51

Tgt Ion: 64 Resp: 83030

Ion Ratio Lower Upper

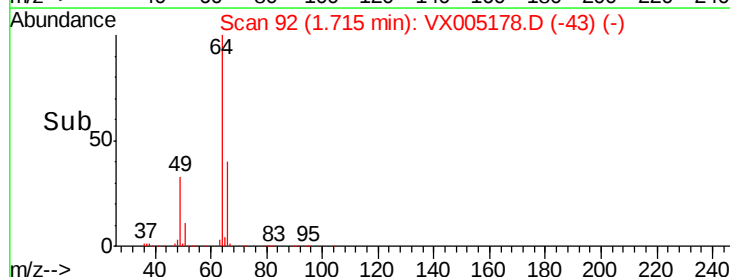
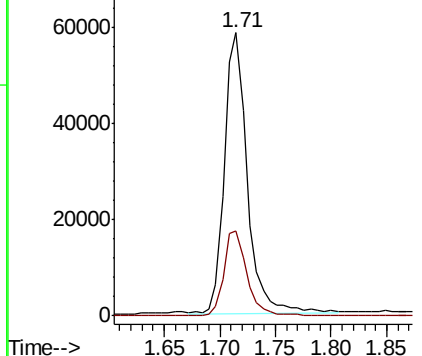
64 100

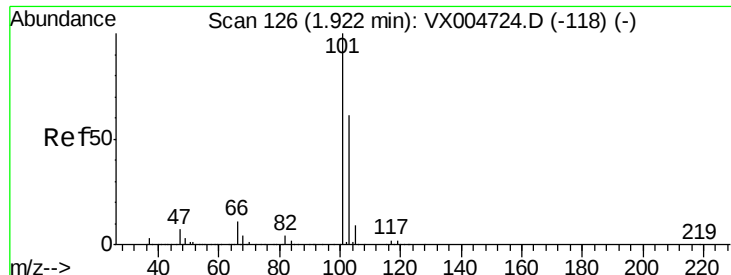
66 30.3 23.8 35.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

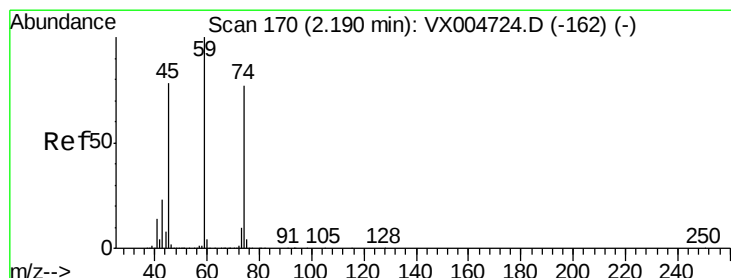
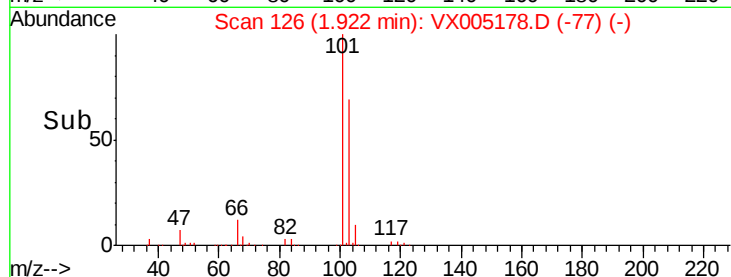
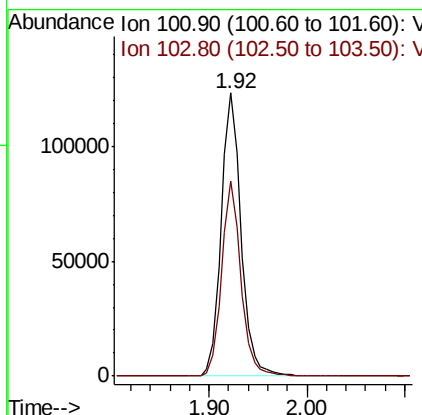
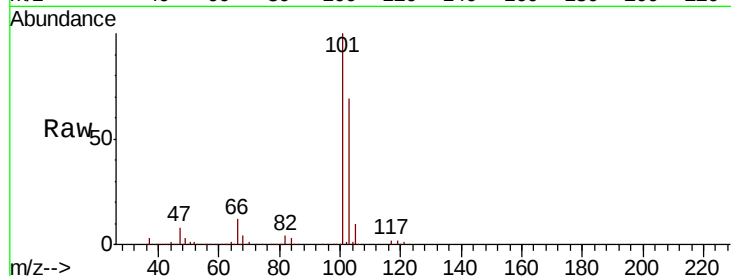
Trichlorofluoromethane  
Concen: 53.739 ug/l  
RT: 1.92 min Scan# 126  
Delta R.T. 0.00 min  
Lab File: VX005178.D  
Acq: 09 Oct 2018 23:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-TW513-1014MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 68.8  | 48.4  | 72.6  |

Manual Integrations  
APPROVED

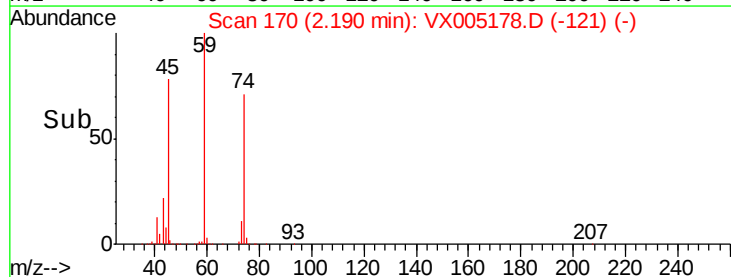
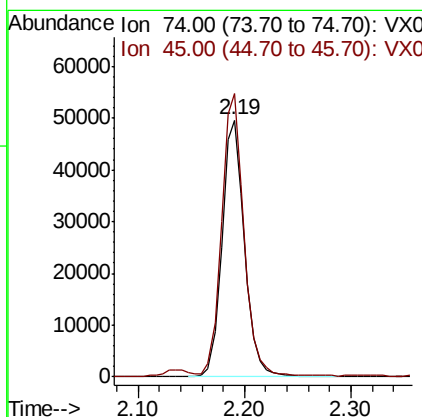
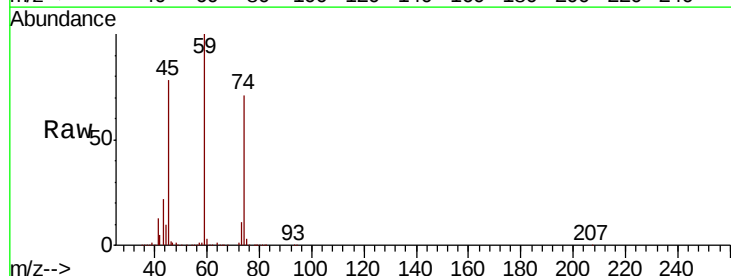
MMDadoda  
10/10/2018 2:08:05 PM

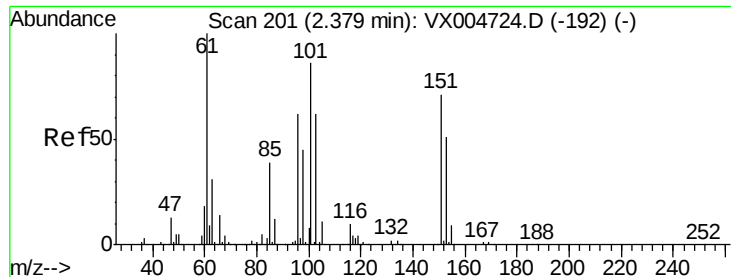


#8

Diethyl Ether  
Concen: 51.821 ug/l  
RT: 2.19 min Scan# 170  
Delta R.T. 0.00 min  
Lab File: VX005178.D  
Acq: 09 Oct 2018 23:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 108.9 | 52.5  | 157.6 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.689 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005178.D

Acq: 09 Oct 2018 23:51

Instrument :

MSVOA\_X

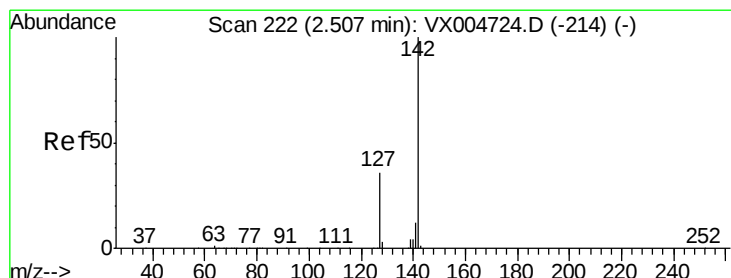
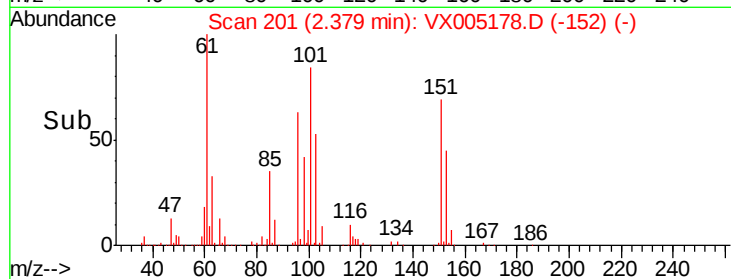
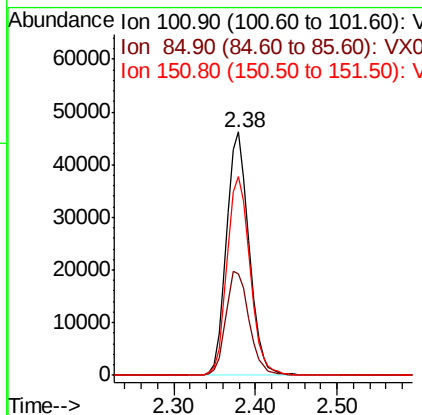
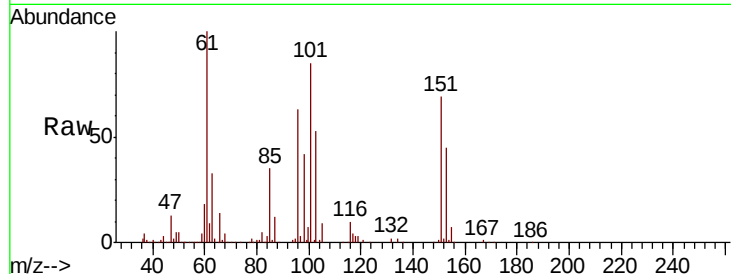
ClientSampleId :

SA-TW513-1014MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 88036 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 43.9  | 35.9  | 53.9  |
| 151       | 83.3  | 66.6  | 100.0 |

Manual Integrations  
APPROVED

MMDadoda  
10/10/2018 2:08:05 PM



#10

Methyl Iodide

Concen: 49.440 ug/l

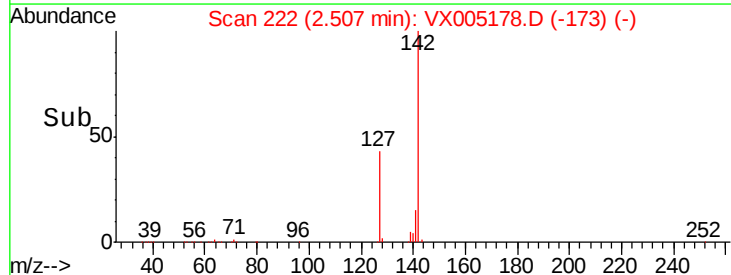
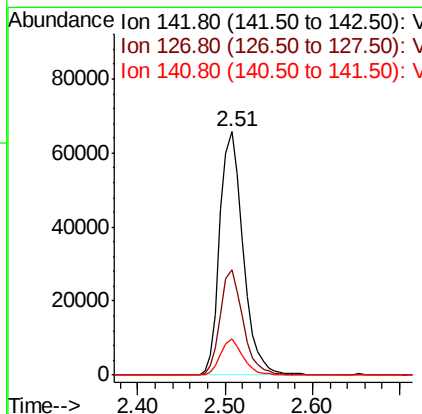
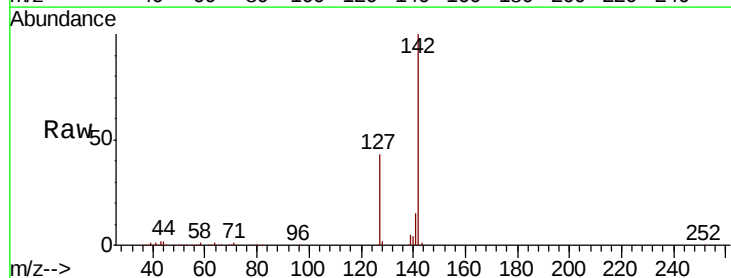
RT: 2.51 min Scan# 222

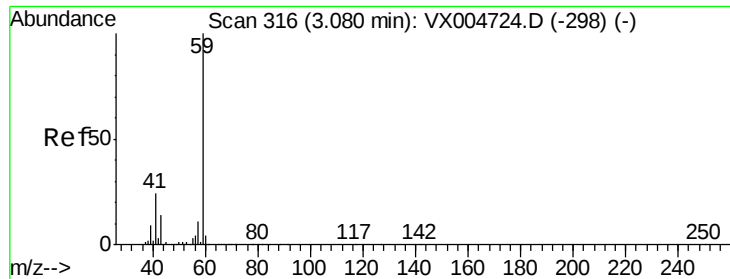
Delta R.T. 0.00 min

Lab File: VX005178.D

Acq: 09 Oct 2018 23:51

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 122130 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 42.2  | 30.1  | 45.1   |
| 141       | 14.1  | 10.1  | 15.1   |





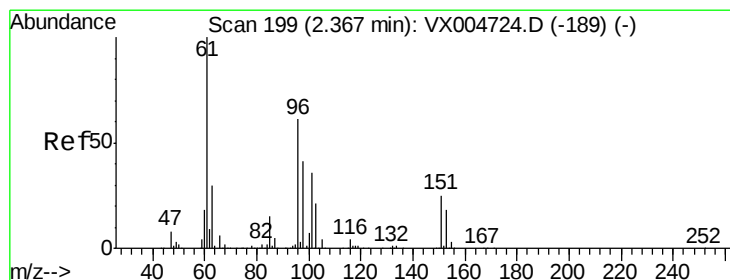
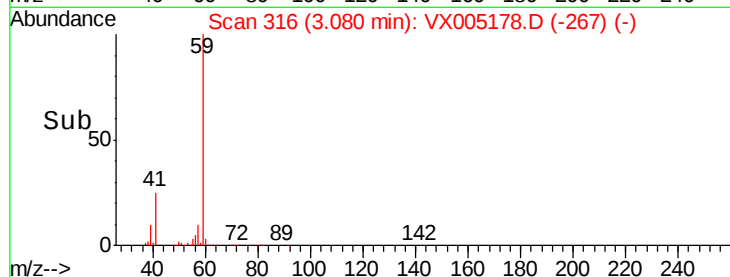
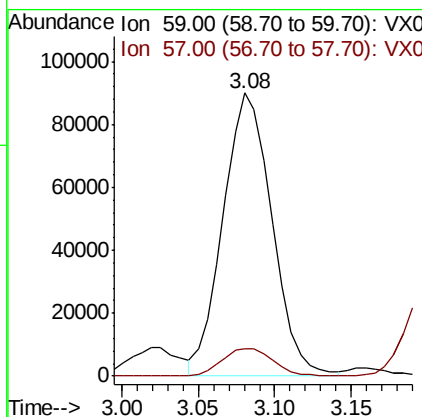
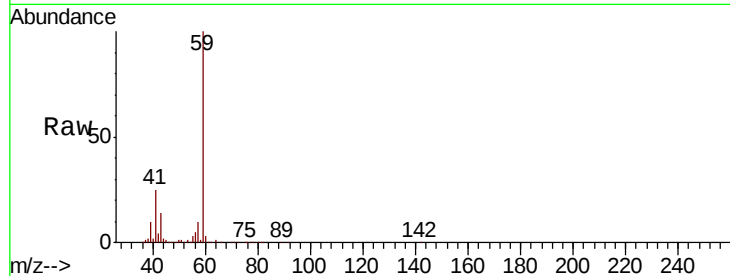
#11  
Tert butyl alcohol  
Concen: 296.508 ug/l  
RT: 3.08 min Scan# 316  
Delta R.T. 0.00 min  
Lab File: VX005178.D  
Acq: 09 Oct 2018 23:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-TW513-1014MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.4  | 8.6   | 12.8  |

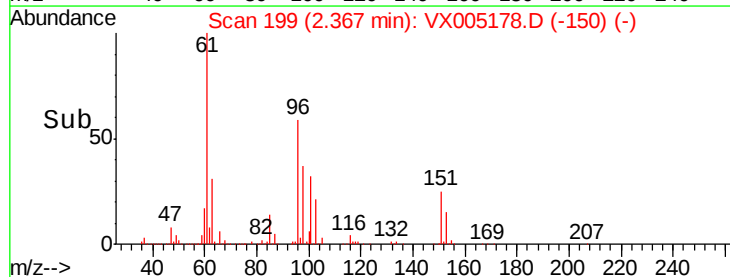
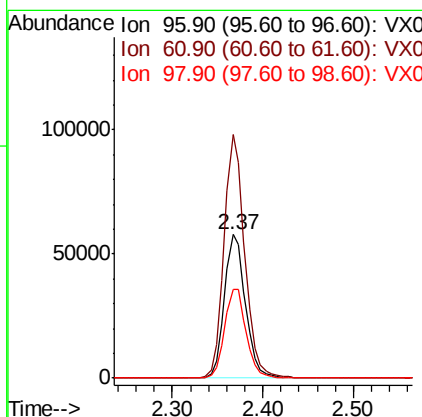
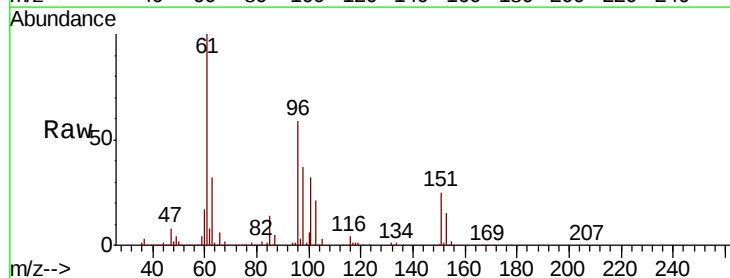
Manual Integrations  
APPROVED

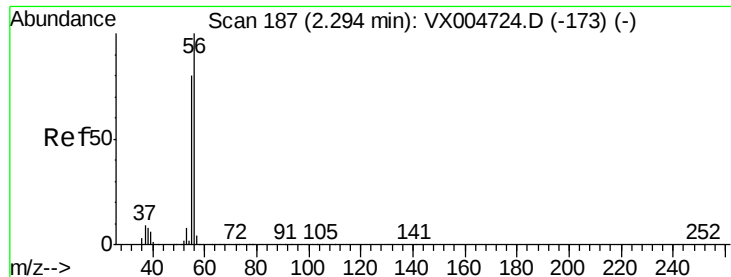
MMDadoda  
10/10/2018 2:08:05 PM



#12  
1,1-Dichloroethene  
Concen: 51.180 ug/l  
RT: 2.37 min Scan# 199  
Delta R.T. 0.00 min  
Lab File: VX005178.D  
Acq: 09 Oct 2018 23:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 169.7 | 130.2 | 195.4 |
| 98      | 62.1  | 53.4  | 80.0  |





#13

Acrolein

Concen: 72.825 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX005178.D

Acq: 09 Oct 2018 23:51

Instrument :

MSVOA\_X

ClientSampleId :

SA-TW513-1014MS

Tot Ion: 56 Resp: 34919

Ion Ratio Lower Upper

56 100

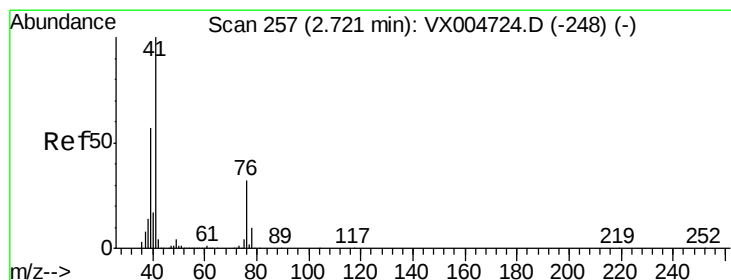
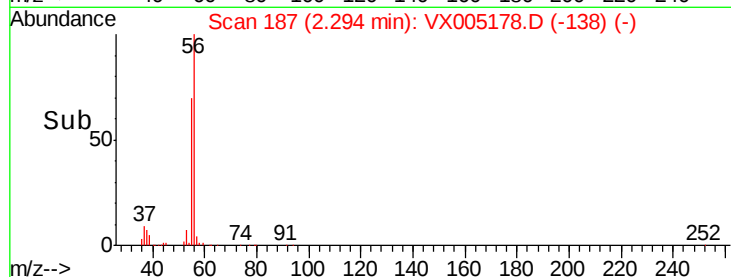
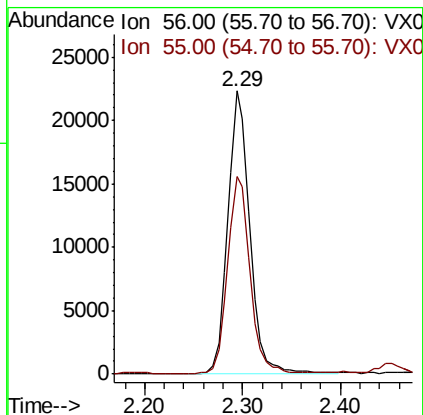
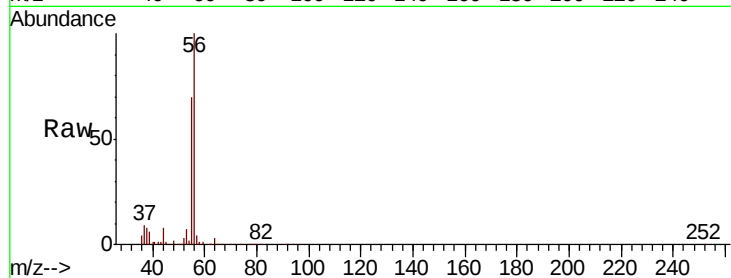
55 70.2 63.4 95.2

Manual Integrations

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MMDadoda

10/10/2018 2:08:05 PM



#14

Allyl chloride

Concen: 48.480 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.00 min

Lab File: VX005178.D

Acq: 09 Oct 2018 23:51

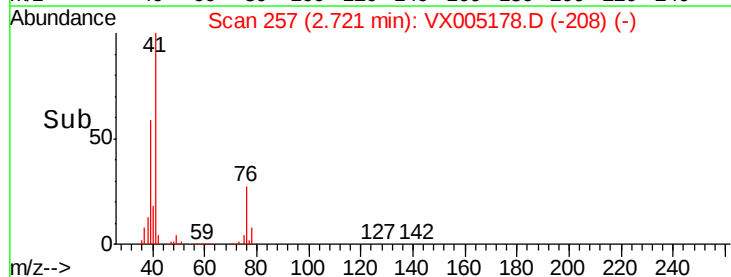
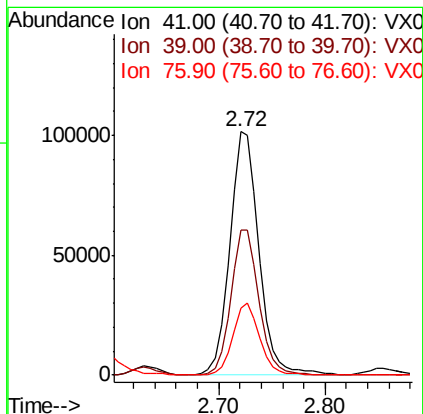
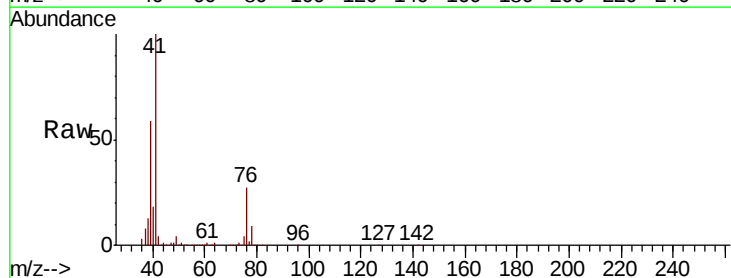
Tgt Ion: 41 Resp: 193384

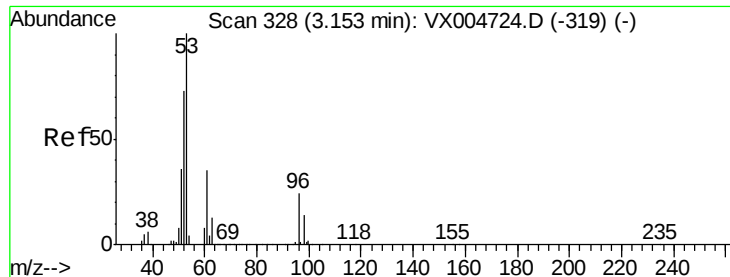
Ion Ratio Lower Upper

41 100

39 57.4 44.1 66.1

76 27.2 25.0 37.4





#15

Acrylonitrile

Concen: 285.474 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX005178.D

Acq: 09 Oct 2018 23:51

Instrument :

MSVOA\_X

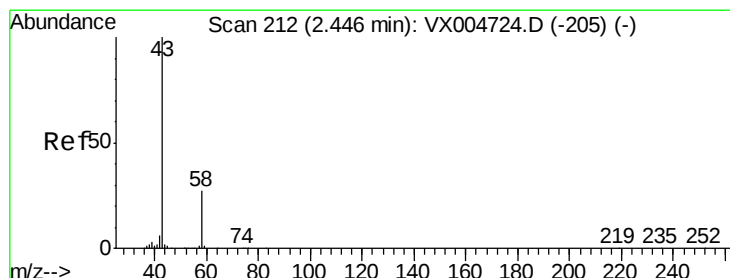
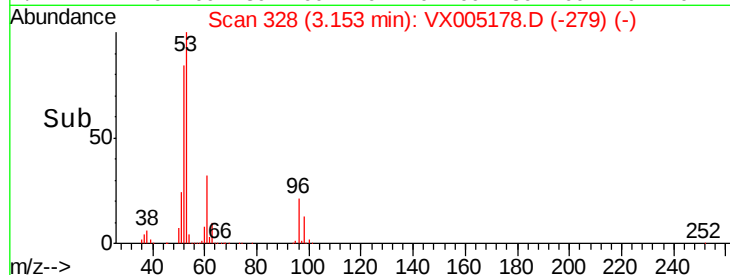
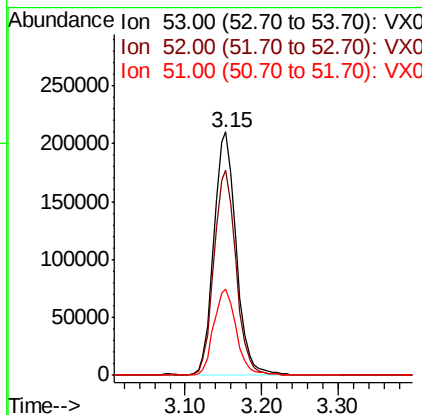
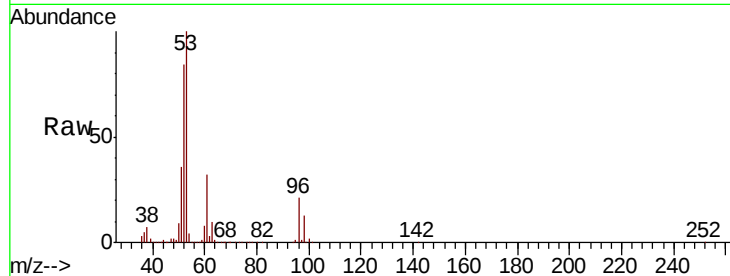
ClientSampleId :

SA-TW513-1014MS

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 53   | Resp: | 423520 |
| Ion Ratio |      | Lower | Upper  |
| 53        | 100  |       |        |
| 52        | 83.4 | 63.0  | 94.4   |
| 51        | 36.2 | 28.6  | 42.8   |

Manual Integrations  
APPROVED

MMDadoda  
10/10/2018 2:08:05 PM



#16

Acetone

Concen: 284.551 ug/l

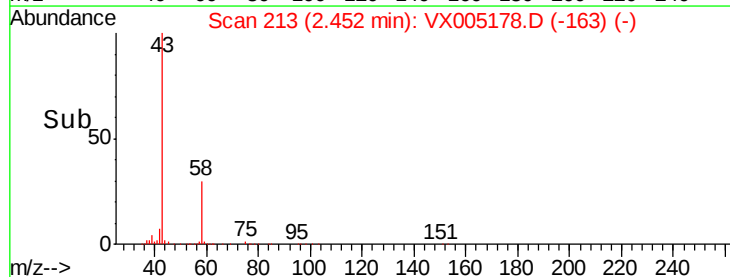
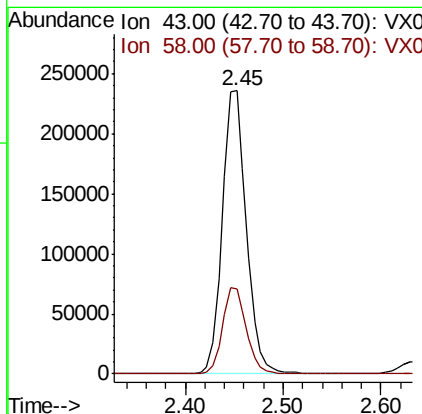
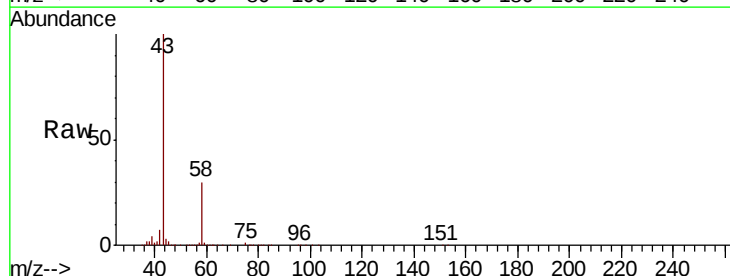
RT: 2.45 min Scan# 213

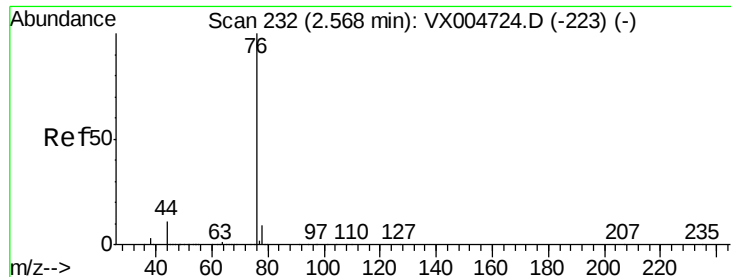
Delta R.T. 0.01 min

Lab File: VX005178.D

Acq: 09 Oct 2018 23:51

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 43   | Resp: | 400404 |
| Ion Ratio |      | Lower | Upper  |
| 43        | 100  |       |        |
| 58        | 29.9 | 21.8  | 32.6   |





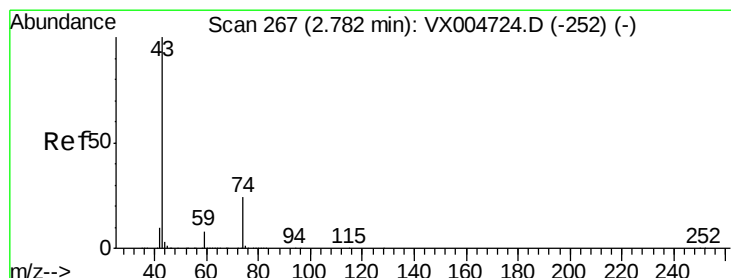
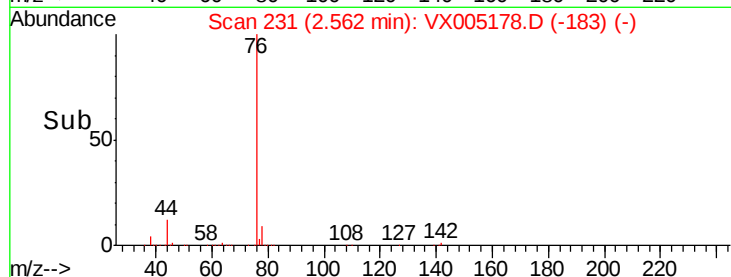
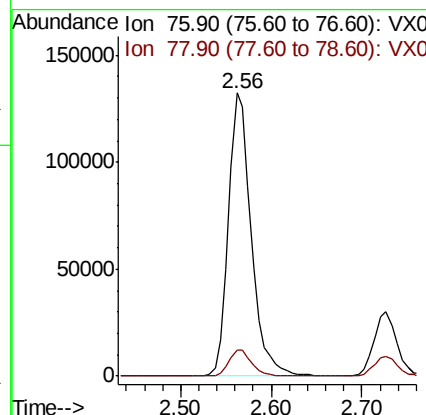
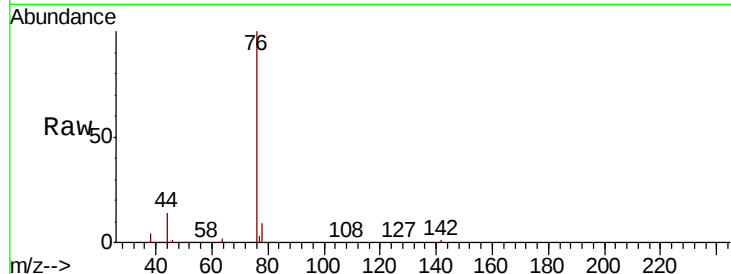
#17  
Carbon Disulfide  
Concen: 42.097 ug/l  
RT: 2.56 min Scan# 231  
Delta R.T. -0.01 min  
Lab File: VX005178.D  
Acq: 09 Oct 2018 23:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-TW513-1014MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.1   | 7.0   | 10.6  |

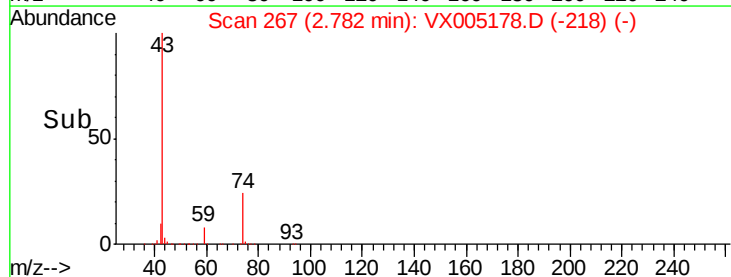
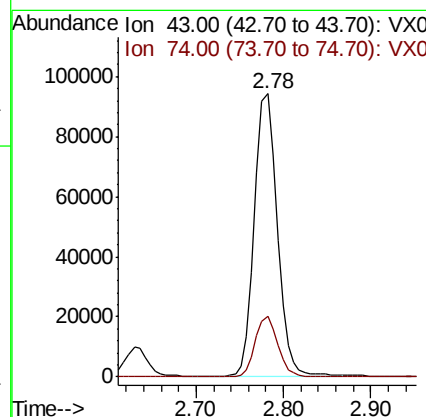
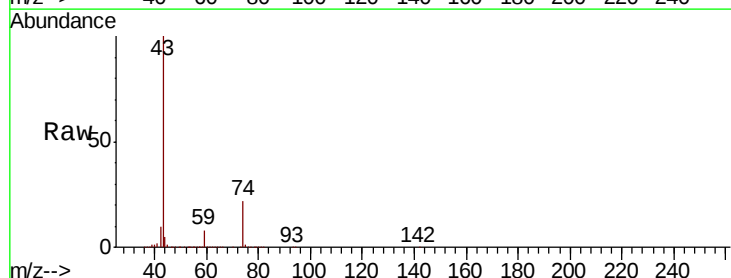
Manual Integrations  
APPROVED

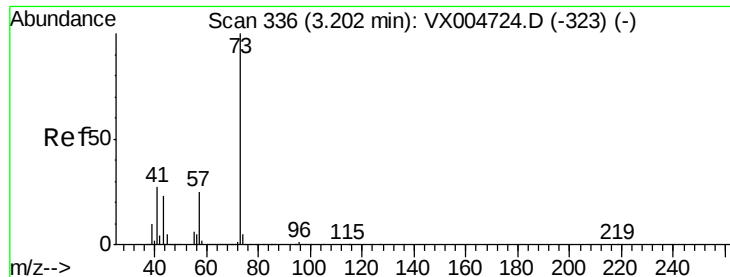
MMDadoda  
10/10/2018 2:08:05 PM



#18  
Methyl Acetate  
Concen: 48.201 ug/l  
RT: 2.78 min Scan# 267  
Delta R.T. -0.00 min  
Lab File: VX005178.D  
Acq: 09 Oct 2018 23:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 21.4  | 17.8  | 26.8  |





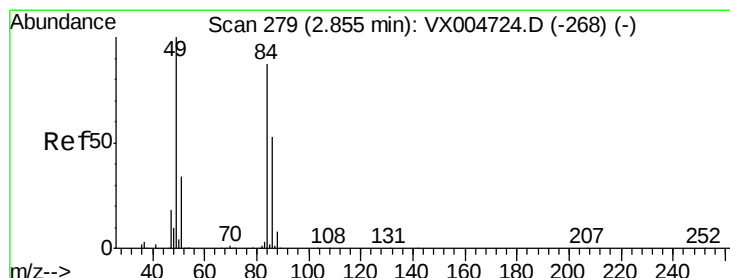
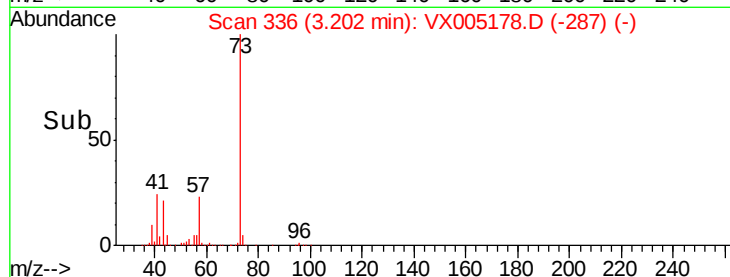
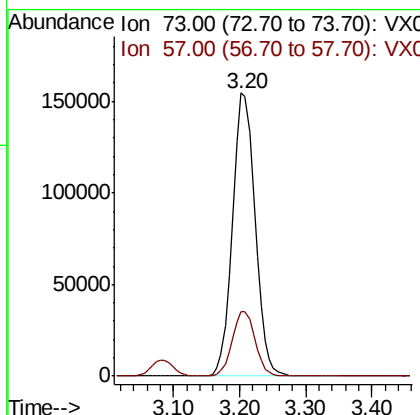
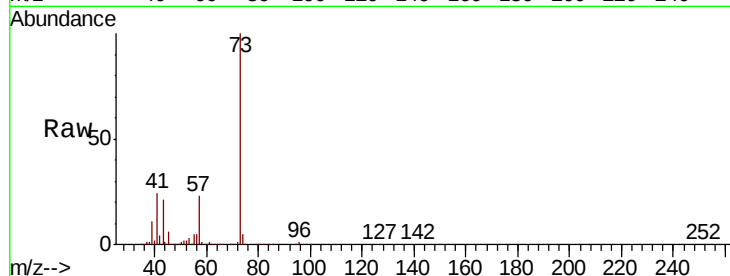
#19  
Methvl tert-butvl Ether  
Concen: 58.193 ug/l  
RT: 3.20 min Scan# 336  
Delta R.T. 0.00 min  
Lab File: VX005178.D  
Acq: 09 Oct 2018 23:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-TW513-1014MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 22.6  | 19.9  | 29.9  |

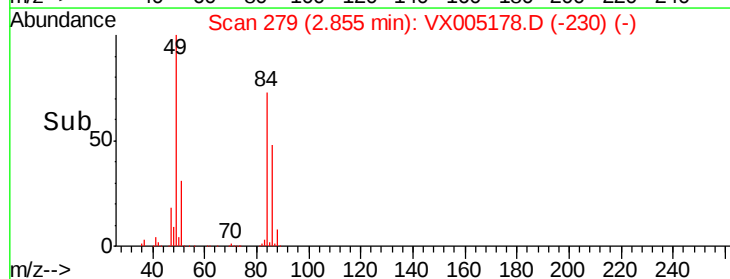
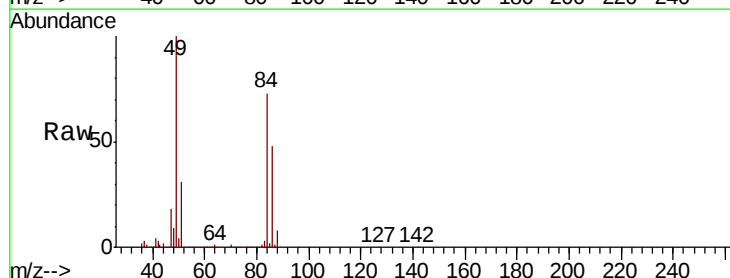
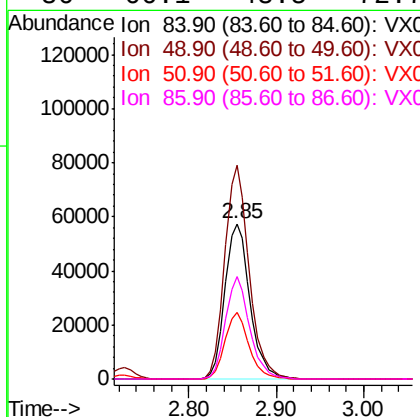
Manual Integrations  
APPROVED

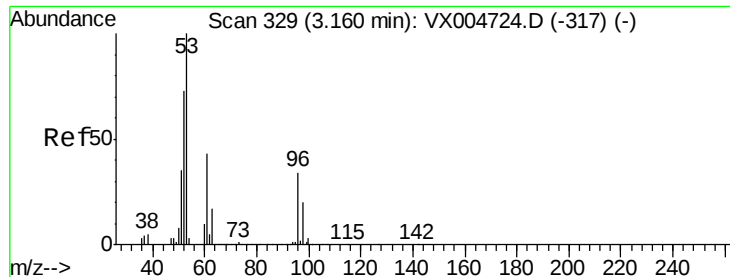
MMDadoda  
10/10/2018 2:08:05 PM



#20  
Methylene Chloride  
Concen: 55.587 ug/l  
RT: 2.85 min Scan# 279  
Delta R.T. 0.00 min  
Lab File: VX005178.D  
Acq: 09 Oct 2018 23:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 137.8 | 92.3  | 138.5 |
| 51      | 42.5  | 31.8  | 47.6  |
| 86      | 66.1  | 48.5  | 72.7  |





#21

trans-1,2-Dichloroethene

Concen: 49.387 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX005178.D

Acq: 09 Oct 2018 23:51

Instrument :

MSVOA\_X

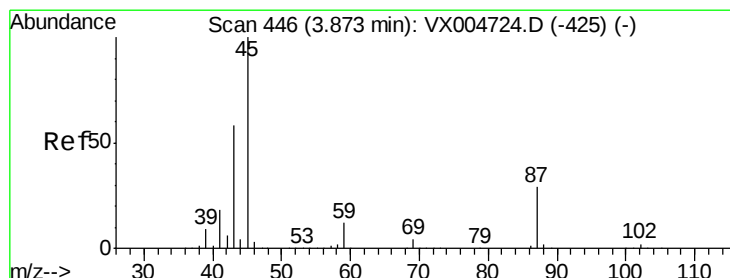
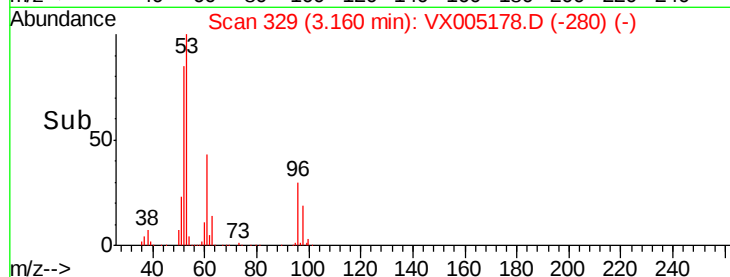
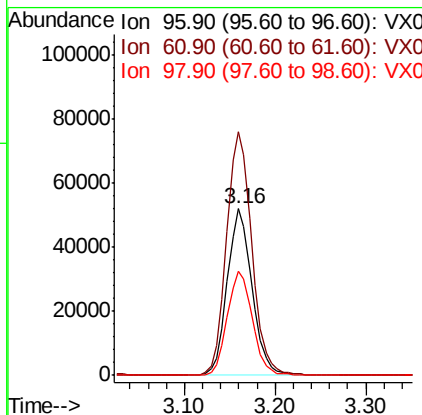
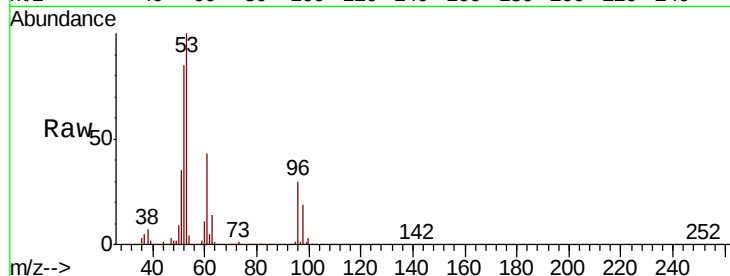
ClientSampleId :

SA-TW513-1014MS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 98838 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 146.2 | 101.0 | 151.6 |
| 98       | 62.7  | 47.2  | 70.8  |

Manual Integrations  
APPROVED

MMDadoda  
10/10/2018 2:08:05 PM



#22

Diisopropyl ether

Concen: 53.523 ug/l

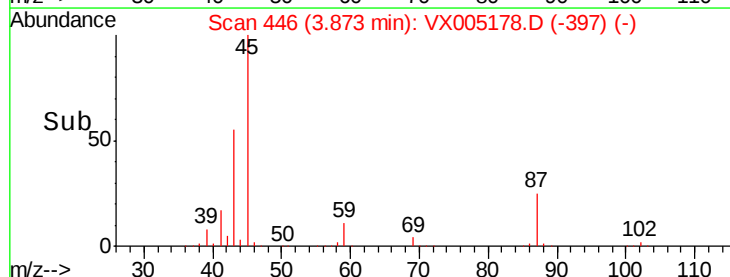
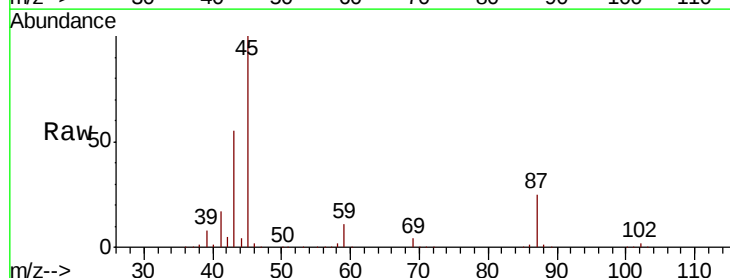
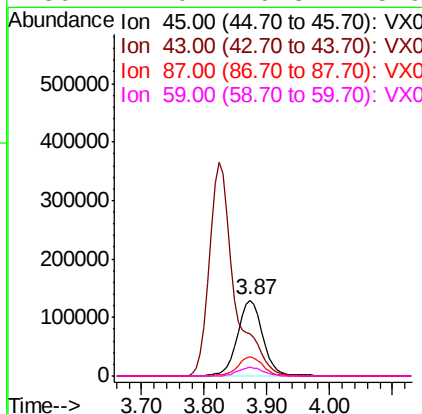
RT: 3.87 min Scan# 446

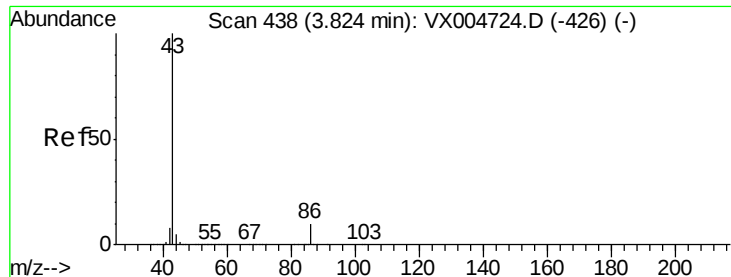
Delta R.T. -0.00 min

Lab File: VX005178.D

Acq: 09 Oct 2018 23:51

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 359519 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 54.6  | 46.7  | 70.1   |
| 87       | 25.5  | 22.9  | 34.3   |
| 59       | 11.0  | 9.3   | 13.9   |





#23

Vinyl Acetate

Concen: 163.568 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX005178.D

Acq: 09 Oct 2018 23:51

Instrument :

MSVOA\_X

ClientSampleId :

SA-TW513-1014MS

Tot Ion: 43 Resp: 1005698

Ion Ratio Lower Upper

43 100

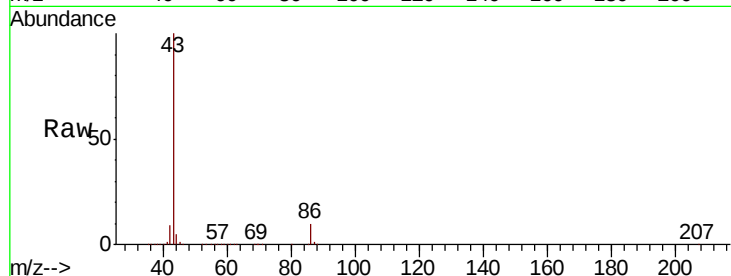
86 9.7 8.1 12.1

Manual Integrations

APPROVED

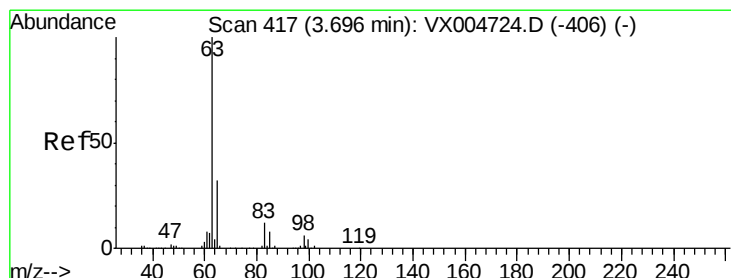
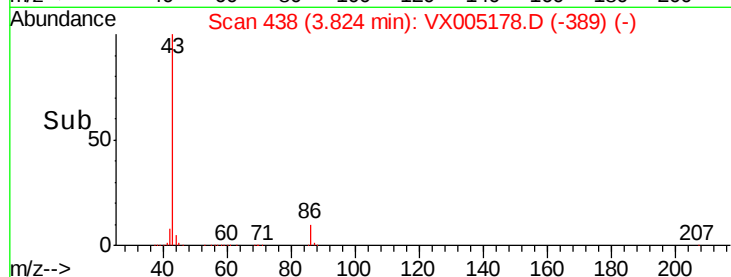
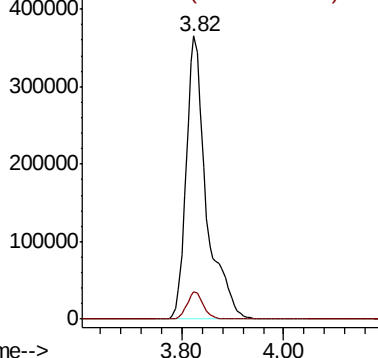
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 53.308 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX005178.D

Acq: 09 Oct 2018 23:51

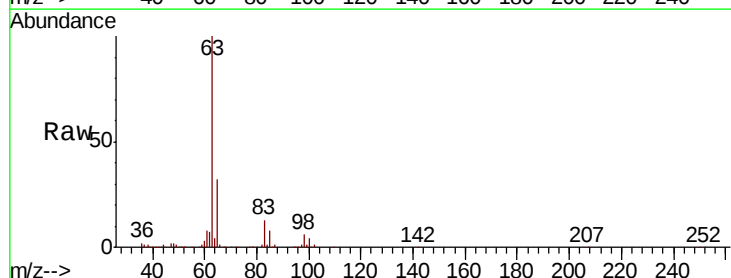
Tgt Ion: 63 Resp: 213596

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

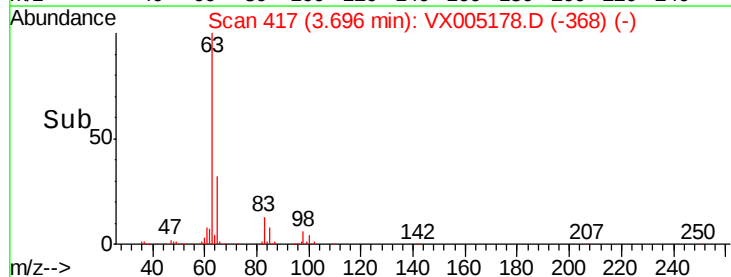
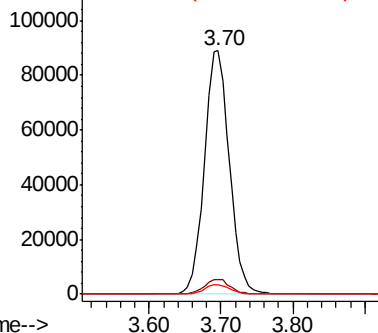
100 4.1 2.0 5.8

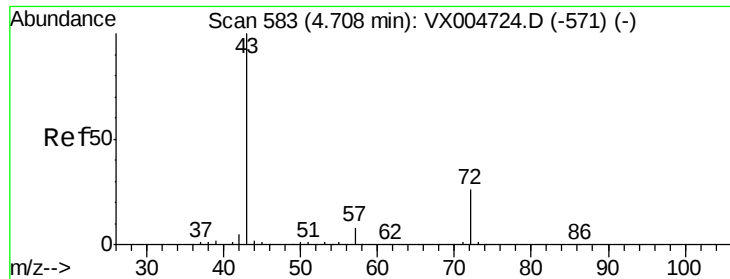


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 265.357 ug/l

RT: 4.71 min Scan# 583

Delta R.T. -0.00 min

Lab File: VX005178.D

Acq: 09 Oct 2018 23:51

Instrument :

MSVOA\_X

ClientSampleId :

SA-TW513-1014MS

Tot Ion: 43 Resp: 550397

Ion Ratio Lower Upper

43 100

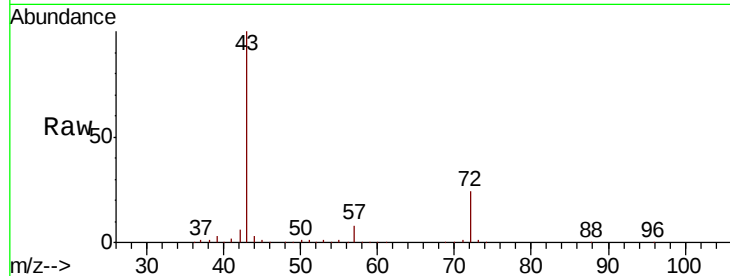
72 24.2 20.8 31.2

Manual Integrations

APPROVED

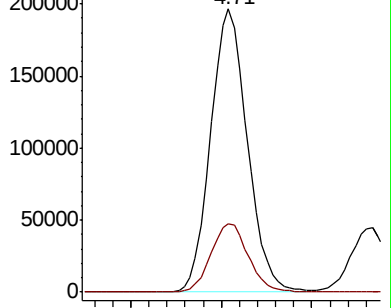
MMDadoda

10/10/2018 2:08:05 PM

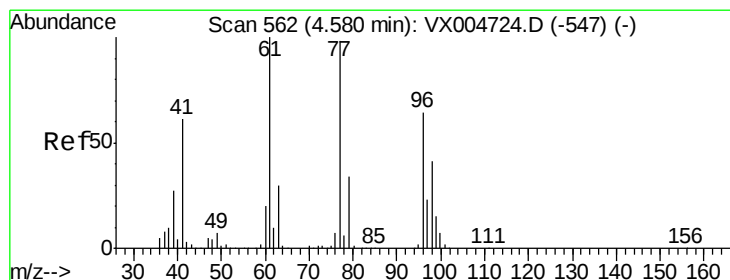
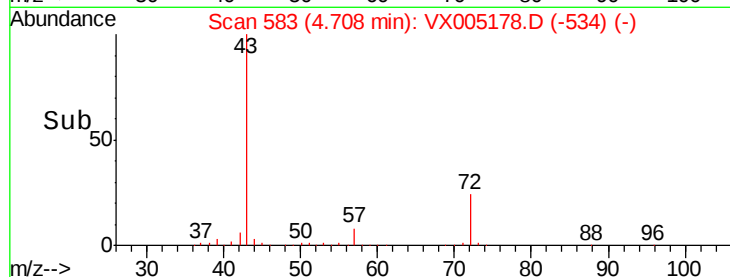


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#26

2,2-Dichloropropane

Concen: 16.136 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX005178.D

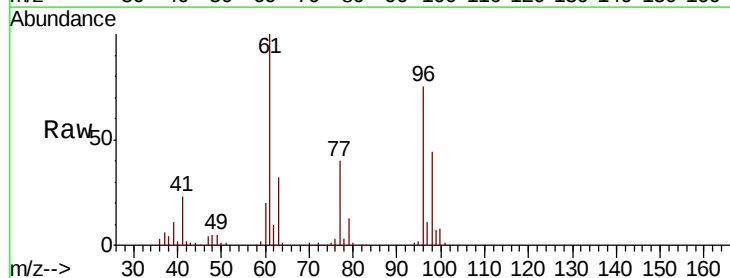
Acq: 09 Oct 2018 23:51

Tgt Ion: 77 Resp: 45022

Ion Ratio Lower Upper

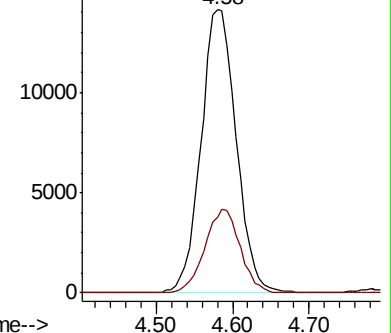
77 100

97 29.5 12.6 37.8

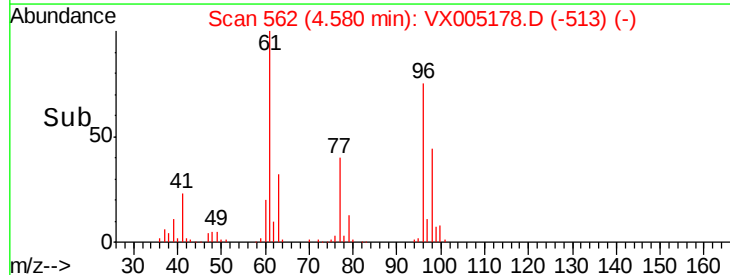


Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



Time-->





#27

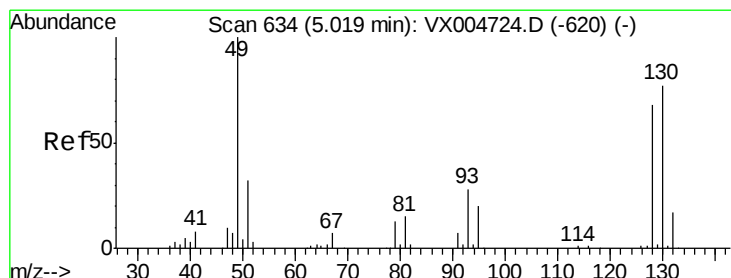
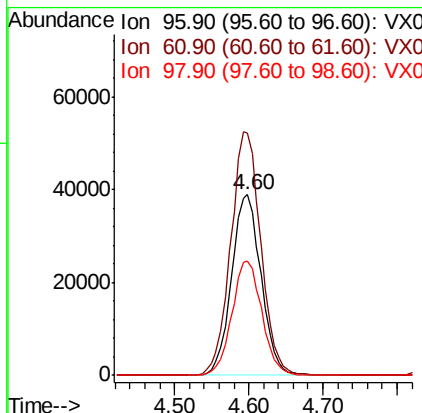
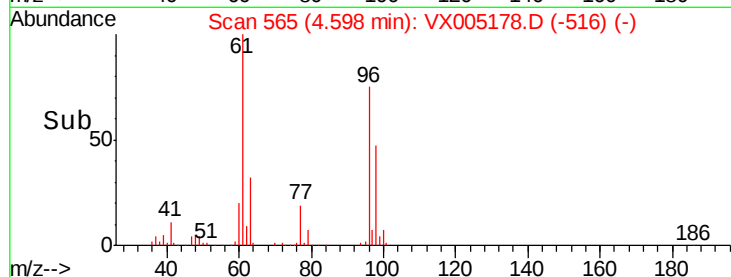
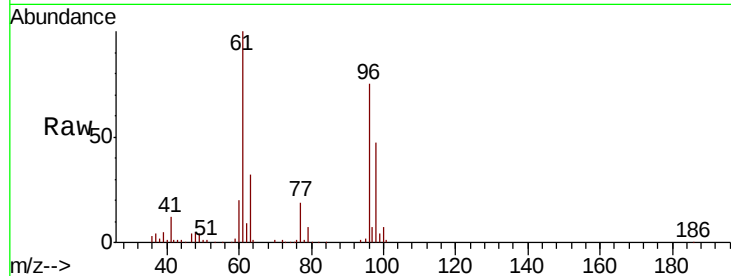
cis-1,2-Dichloroethene  
 Concen: 48.410 ug/l  
 RT: 4.60 min Scan# 565  
 Delta R.T. 0.00 min  
 Lab File: VX005178.D  
 Acq: 09 Oct 2018 23:51

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-TW513-1014MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 108230 |       |       |
| 61      | 138.1 | 0.0    | 285.8 |       |
| 98      | 64.1  | 0.0    | 136.2 |       |

Manual Integrations  
 APPROVED

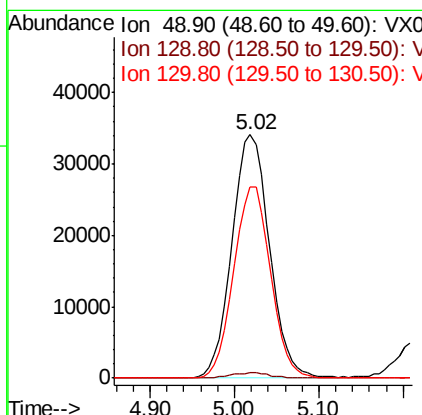
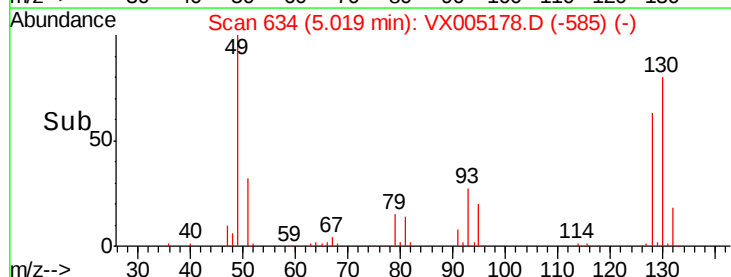
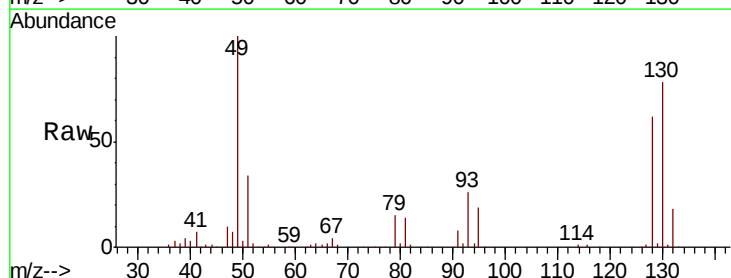
MMDadoda  
 10/10/2018 2:08:05 PM



#28

Bromochloromethane  
 Concen: 54.751 ug/l  
 RT: 5.02 min Scan# 634  
 Delta R.T. -0.00 min  
 Lab File: VX005178.D  
 Acq: 09 Oct 2018 23:51

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 103307 |       |       |
| 129     | 2.2   | 0.0    | 4.2   |       |
| 130     | 77.0  | 62.0   | 93.0  |       |





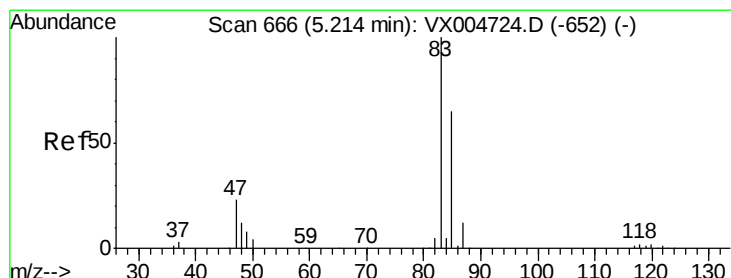
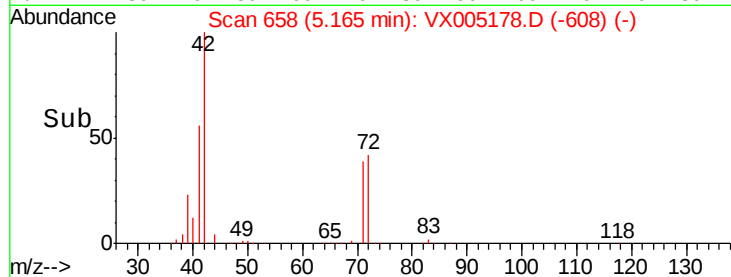
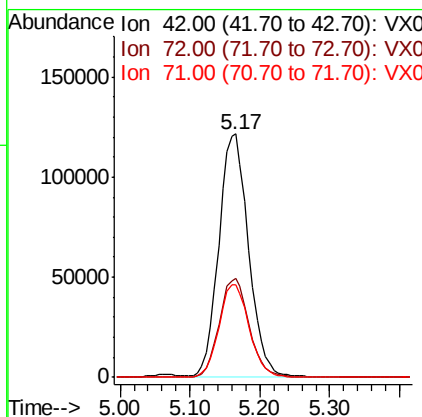
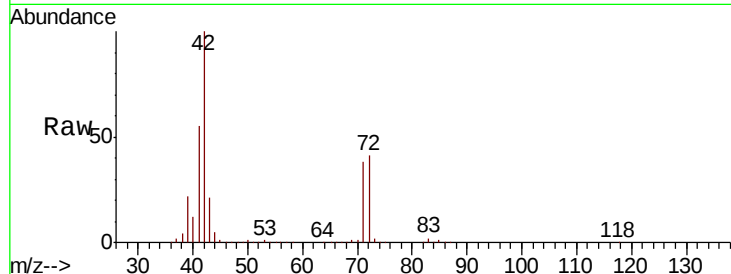
#29  
Tetrahydrofuran  
Concen: 278.355 ug/l  
RT: 5.17 min Scan# 658  
Delta R.T. 0.01 min  
Lab File: VX005178.D  
Acq: 09 Oct 2018 23:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-TW513-1014MS

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 42   | Resp: | 358848 |
| Ion Ratio |      | Lower | Upper  |
| 42        | 100  |       |        |
| 72        | 40.8 | 33.7  | 50.5   |
| 71        | 38.7 | 32.2  | 48.4   |

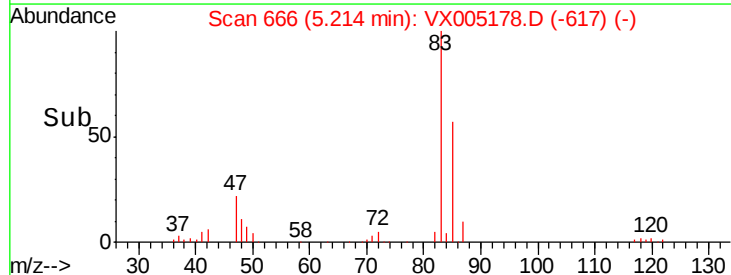
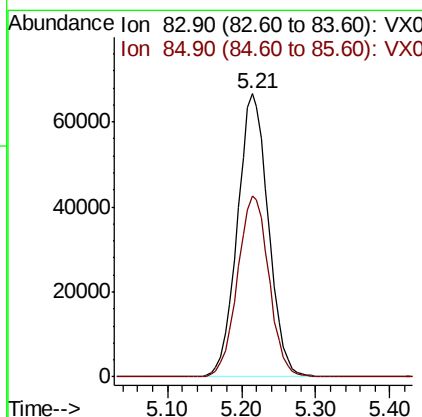
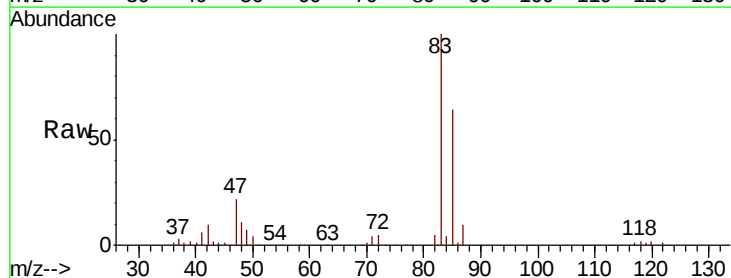
Manual Integrations  
APPROVED

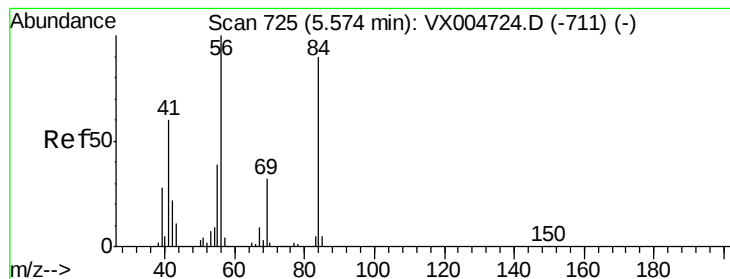
MMDadoda  
10/10/2018 2:08:05 PM



#30  
Chloroform  
Concen: 51.389 ug/l  
RT: 5.21 min Scan# 666  
Delta R.T. 0.00 min  
Lab File: VX005178.D  
Acq: 09 Oct 2018 23:51

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 83   | Resp: | 194603 |
| Ion Ratio |      | Lower | Upper  |
| 83        | 100  |       |        |
| 85        | 64.0 | 52.4  | 78.6   |





#31

Cyclohexane

Concen: 45.342 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX005178.D

Acq: 09 Oct 2018 23:51

Instrument :

MSVOA\_X

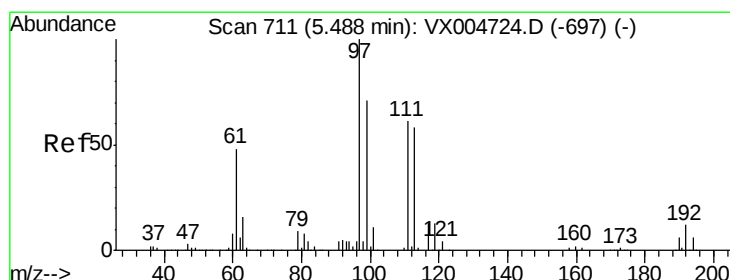
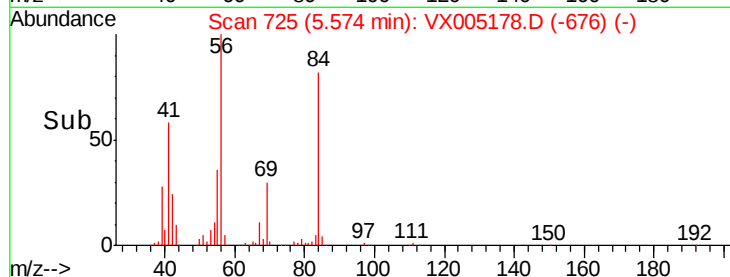
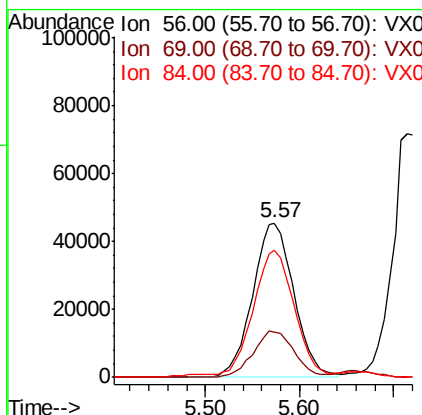
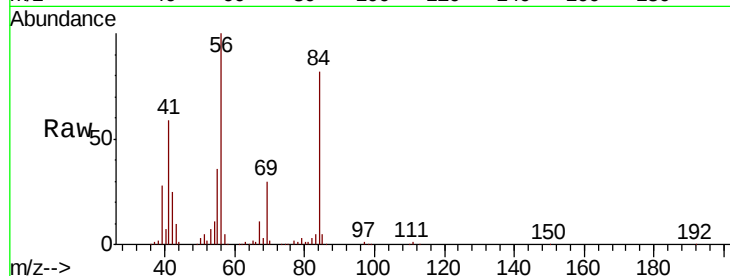
ClientSampleId :

SA-TW513-1014MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 56    | Resp: | 139049 |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 29.7  | 25.9  | 38.9   |
| 84       | 80.8  | 71.9  | 107.9  |

Manual Integrations  
APPROVED

MMDadoda  
10/10/2018 2:08:05 PM



#32

1,1,1-Trichloroethane

Concen: 52.628 ug/l

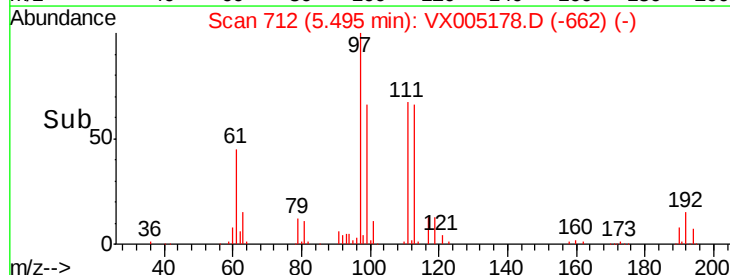
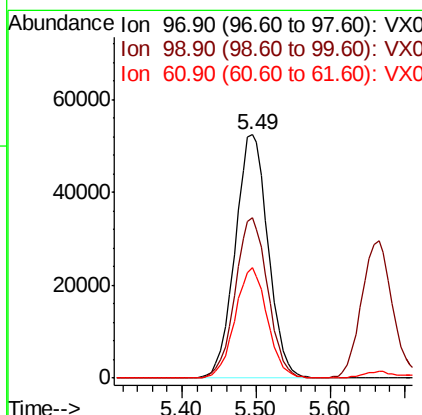
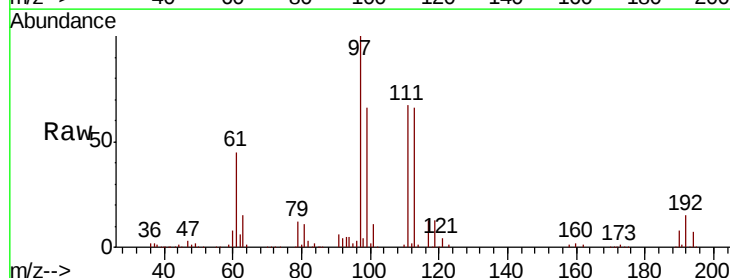
RT: 5.49 min Scan# 712

Delta R.T. 0.01 min

Lab File: VX005178.D

Acq: 09 Oct 2018 23:51

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 162758 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 65.1  | 54.6  | 82.0   |
| 61       | 44.6  | 37.5  | 56.3   |





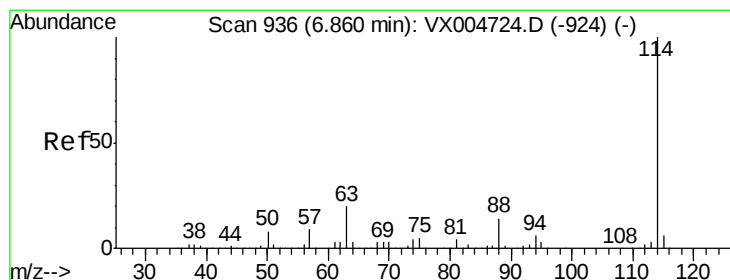
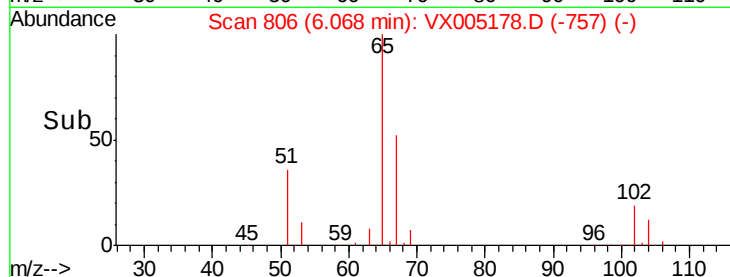
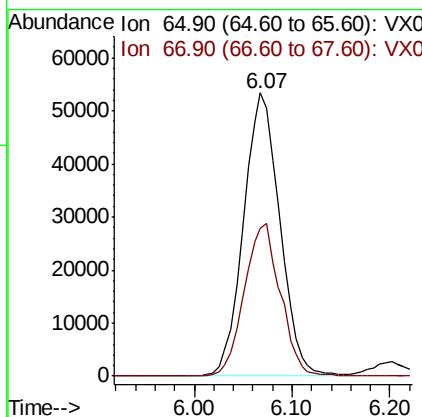
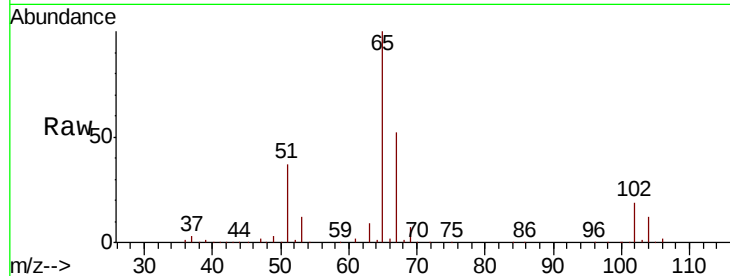
#33  
 1,2-Dichloroethane-d4  
 Concen: 57.056 ug/l  
 RT: 6.07 min Scan# 806  
 Delta R.T. 0.00 min  
 Lab File: VX005178.D  
 Acq: 09 Oct 2018 23:51

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-TW513-1014MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 53.6  | 0.0   | 107.4 |

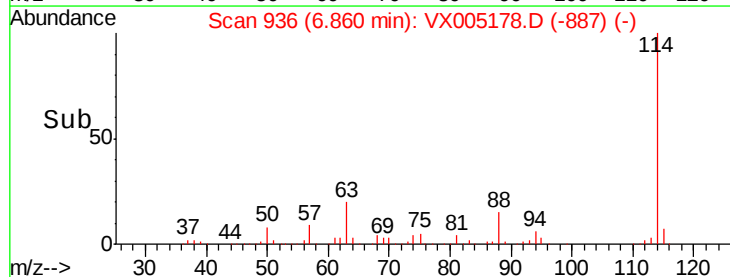
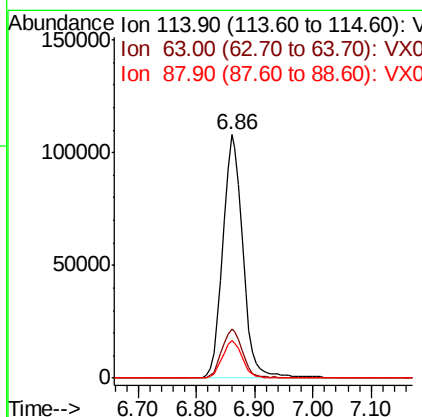
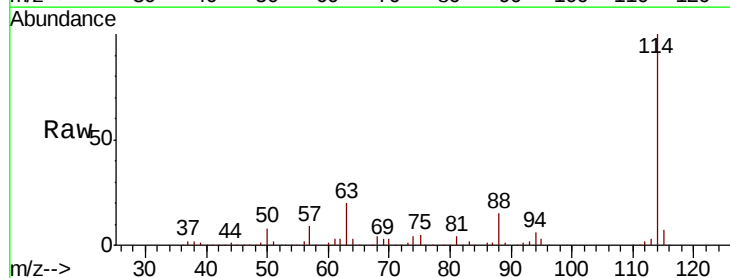
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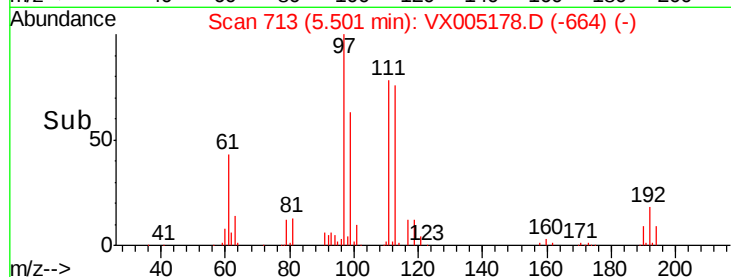
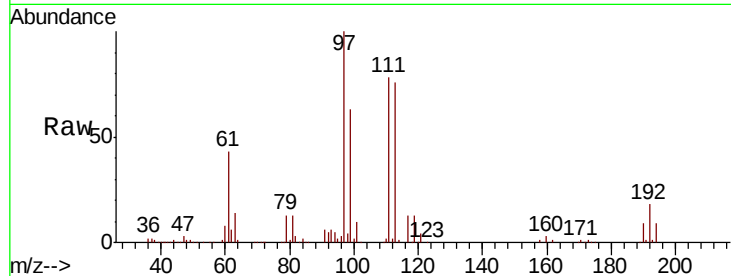
MMDadoda  
 10/10/2018 2:08:05 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. -0.00 min  
 Lab File: VX005178.D  
 Acq: 09 Oct 2018 23:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 20.2  | 0.0   | 39.8  |
| 88      | 15.5  | 0.0   | 27.0  |





#35

Dibromofluoromethane

Concen: 49.313 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX005178.D

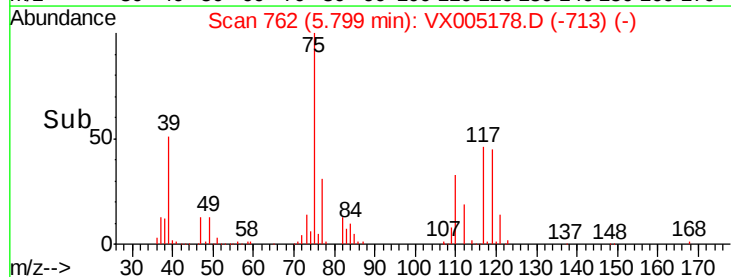
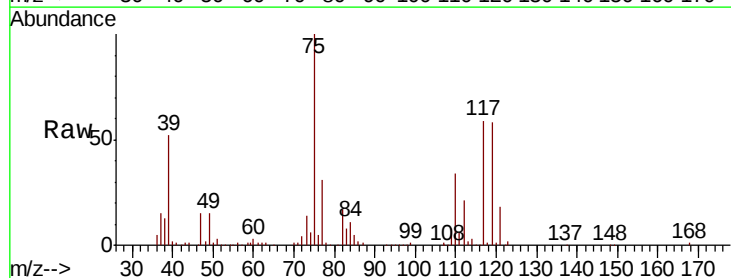
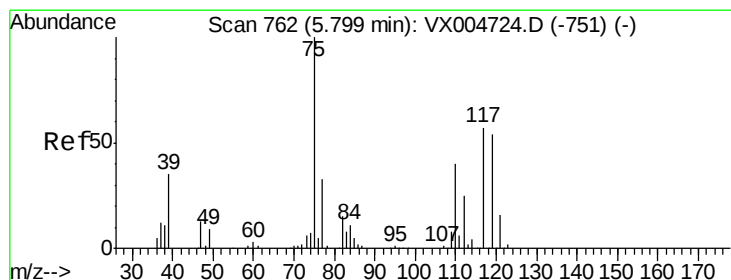
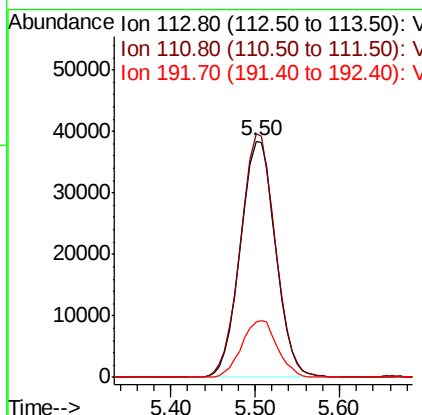
Acq: 09 Oct 2018 23:51

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 108817 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 102.0 | 77.0  | 115.4  |
| 192       | 24.3  | 17.0  | 25.6   |

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-TW513-1014MS

Manual Integrations  
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#36

1,1-Dichloropropene

Concen: 43.642 ug/l

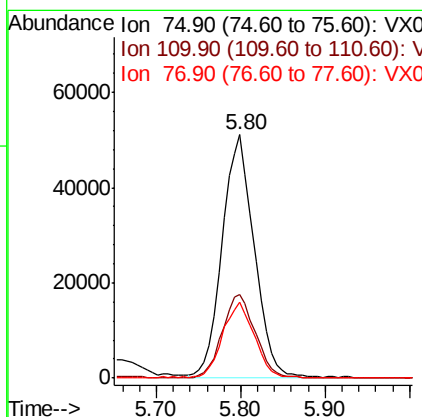
RT: 5.80 min Scan# 762

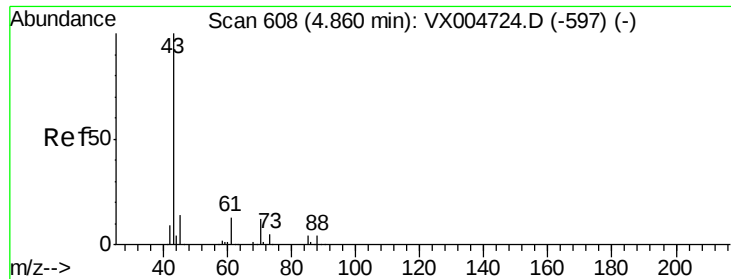
Delta R.T. -0.00 min

Lab File: VX005178.D

Acq: 09 Oct 2018 23:51

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 131393 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 110       | 36.0  | 20.0  | 59.9   |
| 77        | 30.4  | 27.1  | 40.7   |





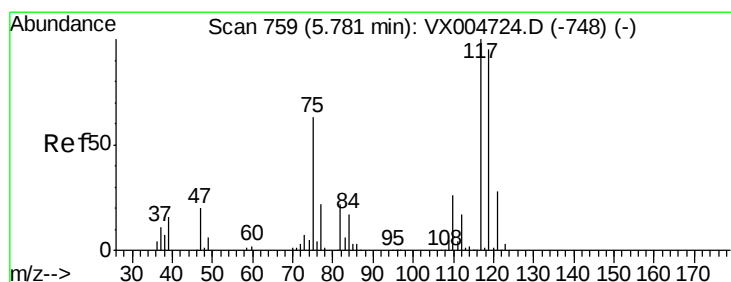
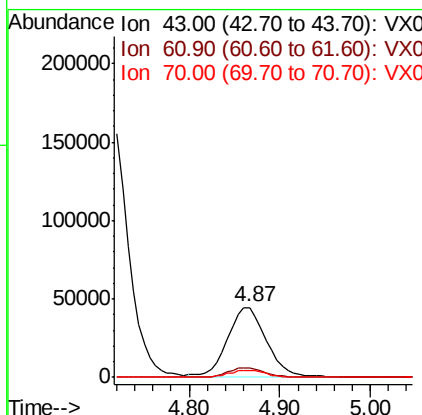
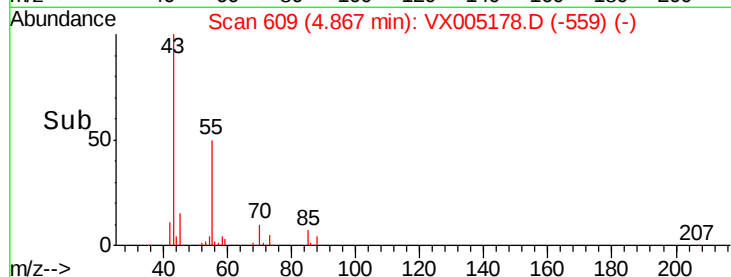
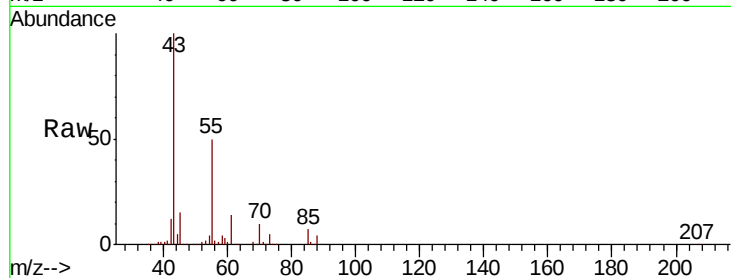
#37  
Ethyl Acetate  
Concen: 32.697 ug/l  
RT: 4.87 min Scan# 609  
Delta R.T. 0.01 min  
Lab File: VX005178.D  
Acq: 09 Oct 2018 23:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-TW513-1014MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.8  | 10.4  | 15.6  |
| 70      | 10.2  | 8.7   | 13.1  |

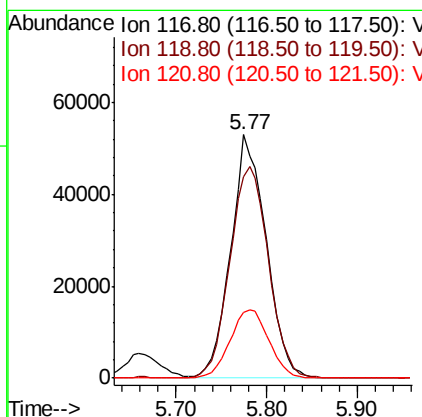
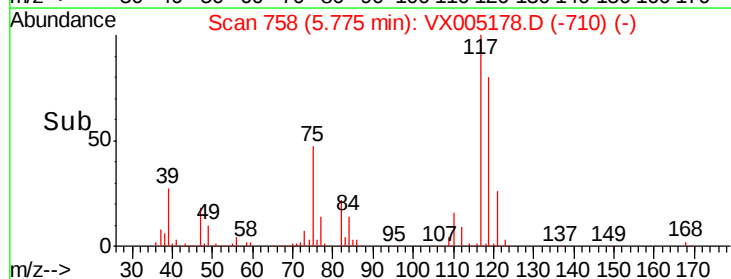
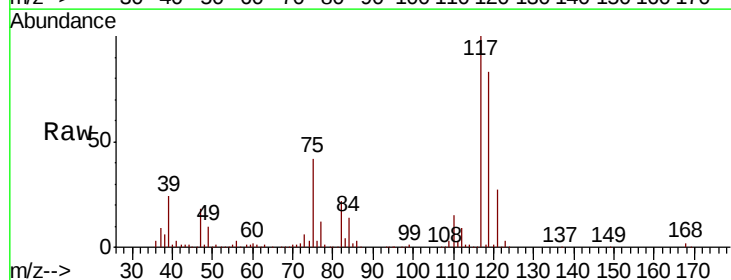
Manual Integrations  
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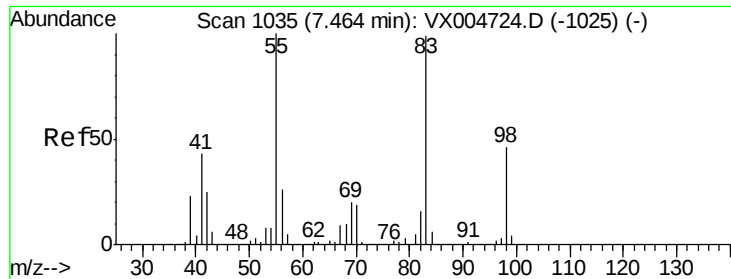
MMDadoda  
10/10/2018 2:08:05 PM



#38  
Carbon Tetrachloride  
Concen: 45.205 ug/l  
RT: 5.77 min Scan# 758  
Delta R.T. -0.01 min  
Lab File: VX005178.D  
Acq: 09 Oct 2018 23:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 82.6  | 75.2  | 112.8 |
| 121     | 27.0  | 22.5  | 33.7  |





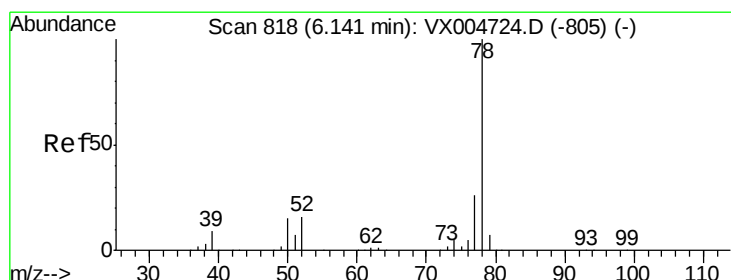
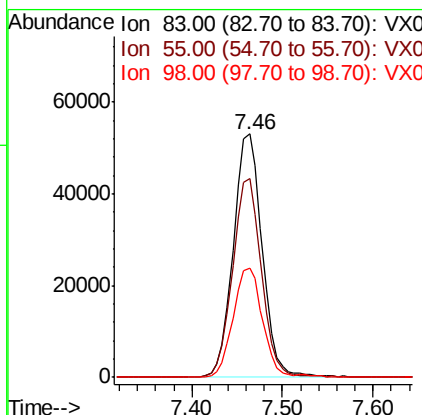
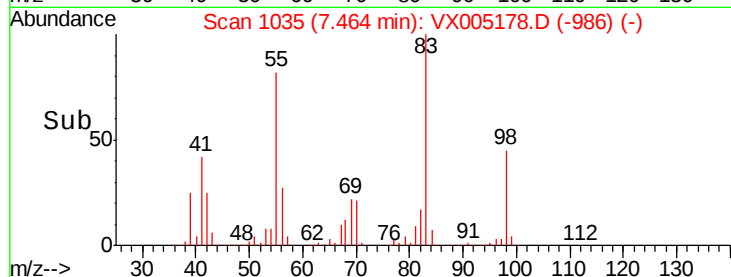
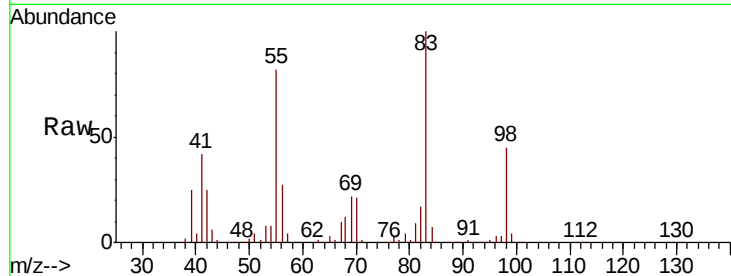
#39  
Methvlcvclohexane  
Concen: 38.166 ug/l  
RT: 7.46 min Scan# 1035  
Delta R.T. -0.00 min  
Lab File: VX005178.D  
Acq: 09 Oct 2018 23:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-TW513-1014MS

| Tot Ion | 83.00 | Resp  | 117332 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 83      | 100   |       |        |
| 55      | 81.7  | 81.1  | 121.7  |
| 98      | 45.0  | 37.3  | 55.9   |

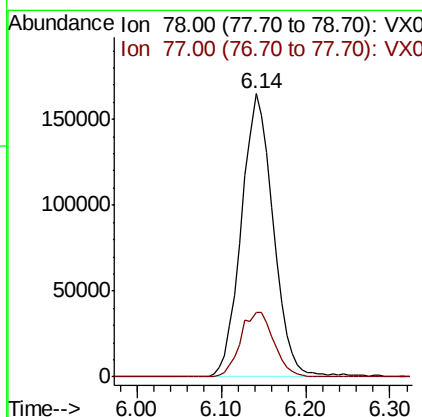
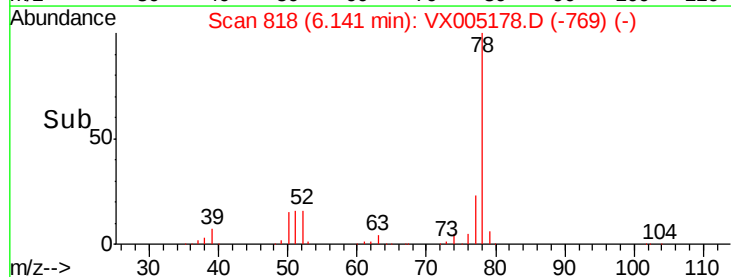
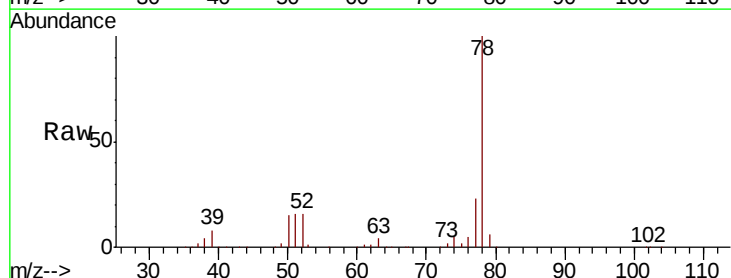
Manual Integrations  
APPROVED

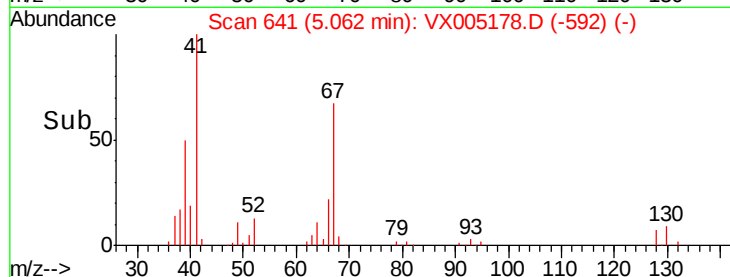
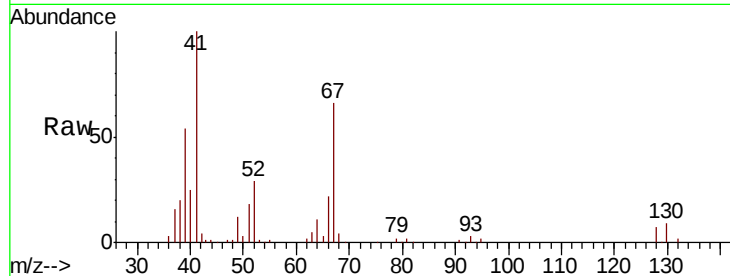
MMDadoda  
10/10/2018 2:08:05 PM



#40  
Benzene  
Concen: 44.735 ug/l  
RT: 6.14 min Scan# 818  
Delta R.T. -0.00 min  
Lab File: VX005178.D  
Acq: 09 Oct 2018 23:51

| Tgt Ion | 78    | Resp  | 421654 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 78      | 100   |       |        |
| 77      | 23.0  | 21.0  | 31.4   |





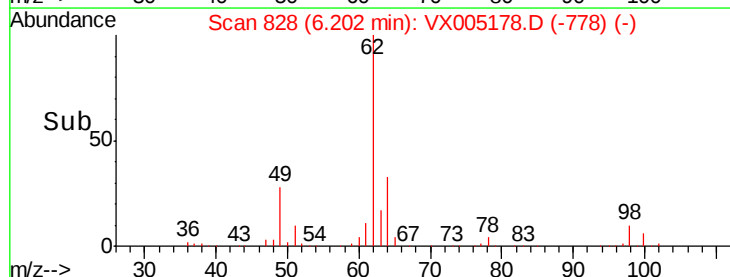
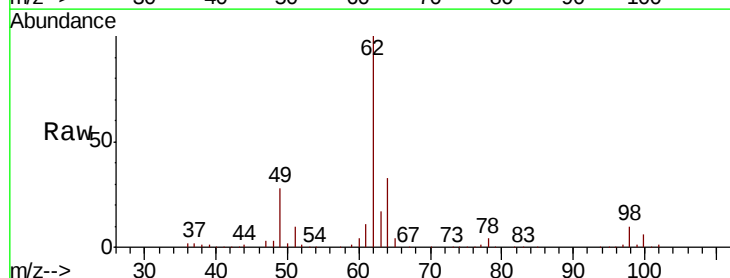
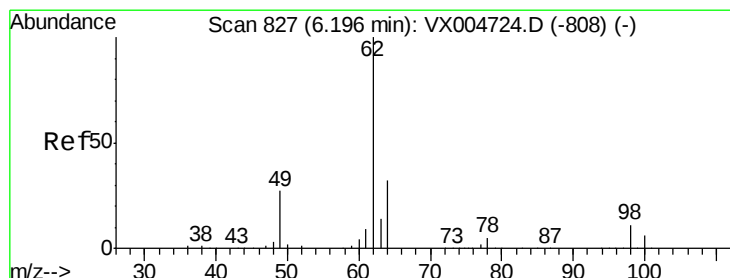
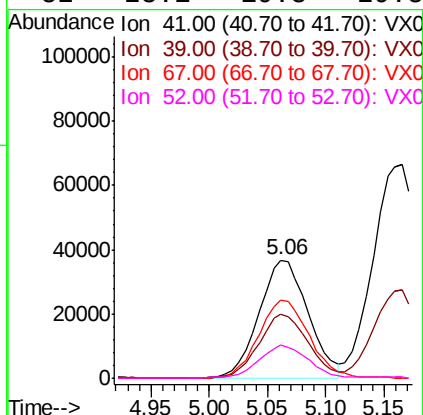
#41  
Methacrylonitrile  
Concen: 48.334 ug/l  
RT: 5.06 min Scan# 641  
Delta R.T. 0.00 min  
Lab File: VX005178.D  
Acq: 09 Oct 2018 23:51

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 41      | 100  |       | 107125 |       |       |
| 39      | 53.9 | 42.5  | 63.7   |       |       |
| 67      | 68.3 | 53.0  | 79.6   |       |       |
| 52      | 28.1 | 19.8  | 29.8   |       |       |

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-TW513-1014MS

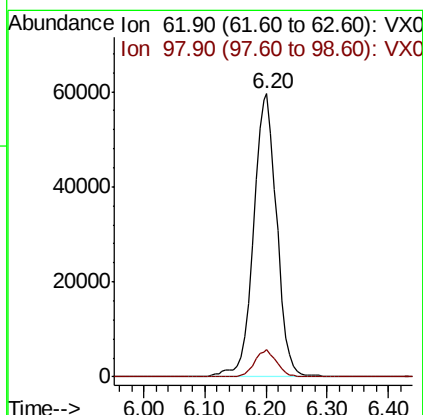
Manual Integrations  
APPROVED

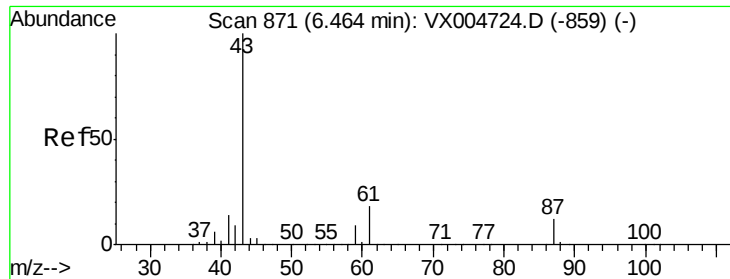
MMDadoda  
10/10/2018 2:08:05 PM



#42  
1,2-Dichloroethane  
Concen: 47.642 ug/l  
RT: 6.20 min Scan# 828  
Delta R.T. 0.01 min  
Lab File: VX005178.D  
Acq: 09 Oct 2018 23:51

| Tgt Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 62      | 100 |       | 158747 |       |       |
| 98      | 9.1 | 0.0   | 20.2   |       |       |





#43

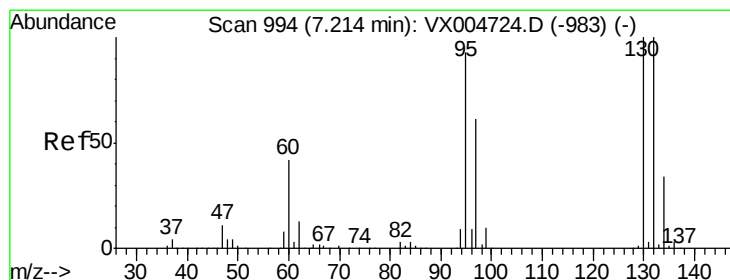
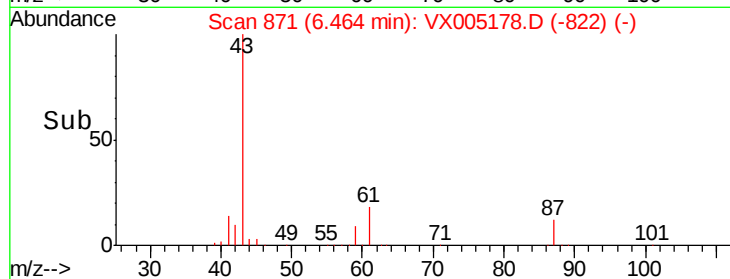
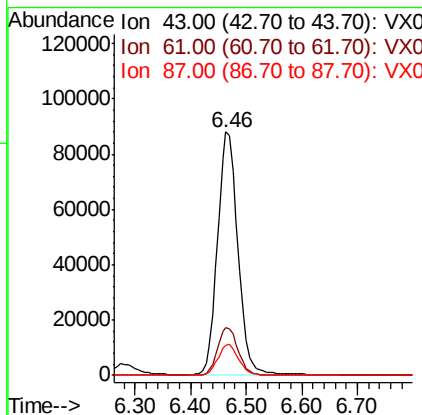
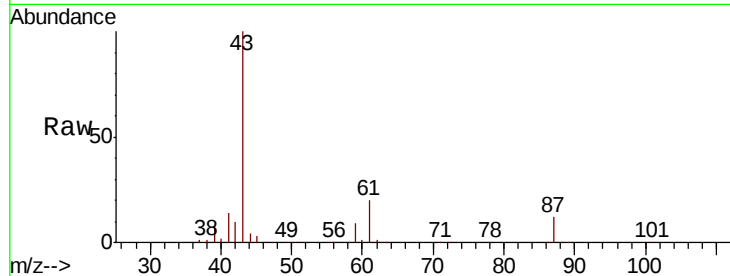
Isopropyl Acetate  
 Concen: 38.727 ug/l  
 RT: 6.46 min Scan# 871  
 Delta R.T. 0.00 min  
 Lab File: VX005178.D  
 Acq: 09 Oct 2018 23:51

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-TW513-1014MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 20.0  | 14.2  | 21.4  |
| 87      | 12.8  | 9.3   | 13.9  |

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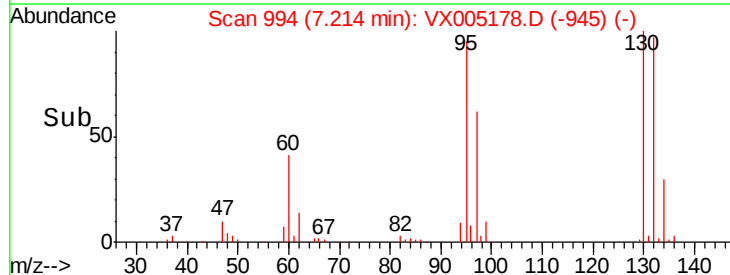
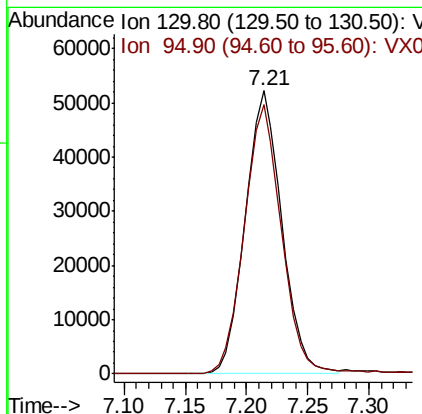
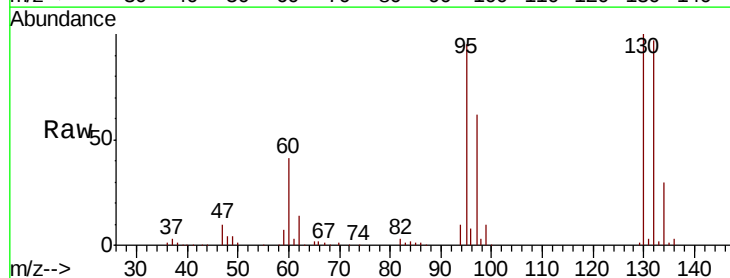
MMDadoda  
 10/10/2018 2:08:05 PM



#44

Trichloroethene  
 Concen: 46.974 ug/l  
 RT: 7.21 min Scan# 994  
 Delta R.T. 0.00 min  
 Lab File: VX005178.D  
 Acq: 09 Oct 2018 23:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 95.1  | 0.0   | 186.8 |





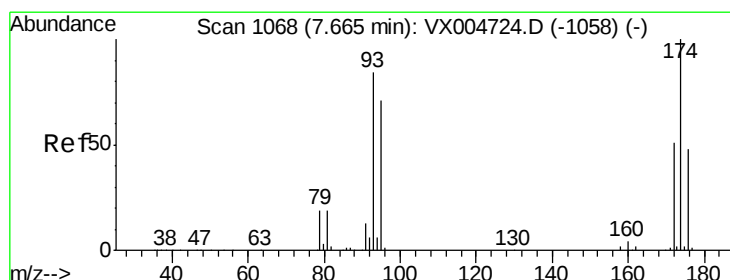
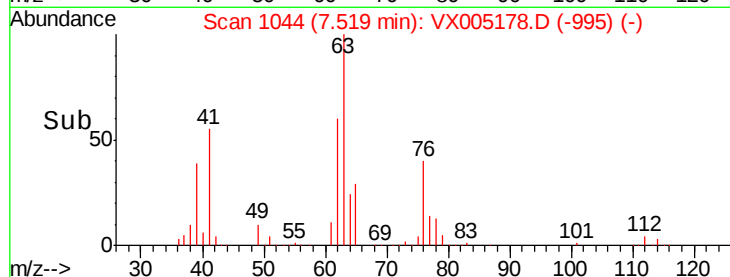
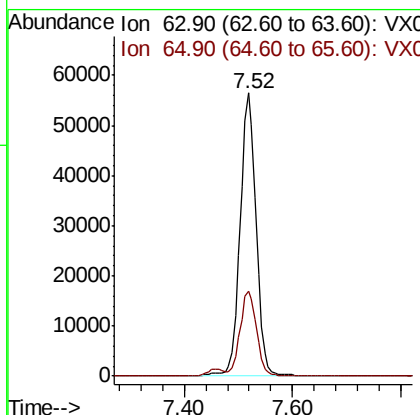
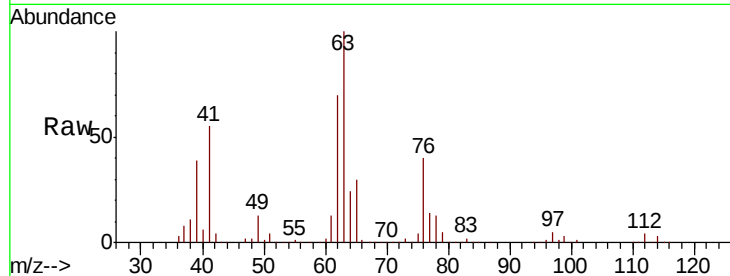
#45  
 1,2-Dichloropropane  
 Concen: 50.545 ug/l  
 RT: 7.52 min Scan# 1044  
 Delta R.T. -0.00 min  
 Lab File: VX005178.D  
 Acq: 09 Oct 2018 23:51

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-TW513-1014MS

Tot Ion: 63 Resp: 116832  
 Ion Ratio Lower Upper  
 63 100  
 65 30.0 23.9 35.9

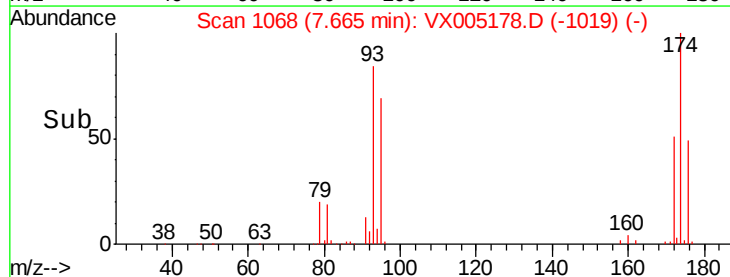
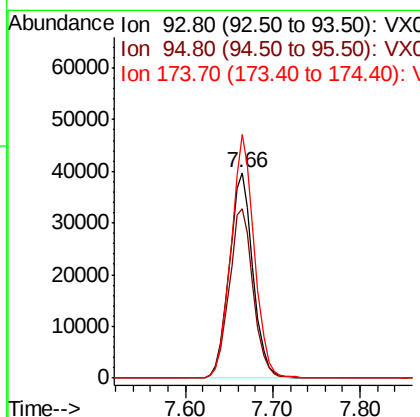
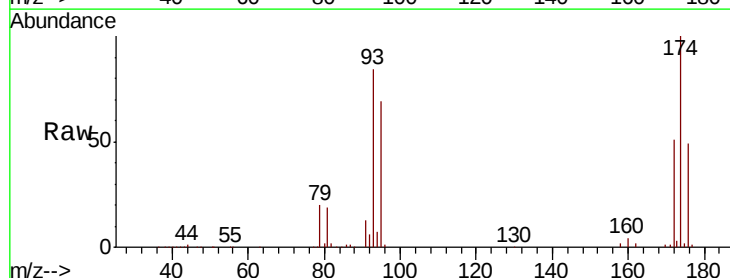
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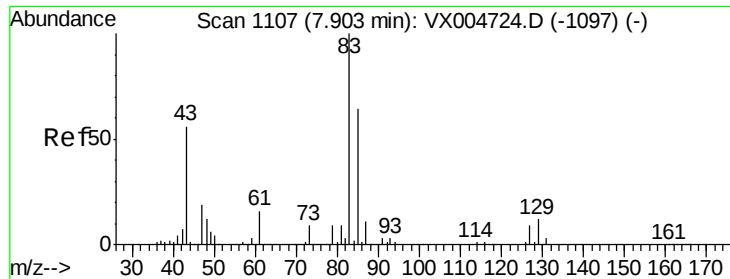
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#46  
 Dibromomethane  
 Concen: 51.499 ug/l  
 RT: 7.66 min Scan# 1068  
 Delta R.T. -0.00 min  
 Lab File: VX005178.D  
 Acq: 09 Oct 2018 23:51

Tgt Ion: 93 Resp: 74810  
 Ion Ratio Lower Upper  
 93 100  
 95 83.5 66.7 100.1  
 174 116.4 92.7 139.1





#47

Bromodichloromethane

Concen: 54.115 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VX005178.D

Acq: 09 Oct 2018 23:51

Instrument :

MSVOA\_X

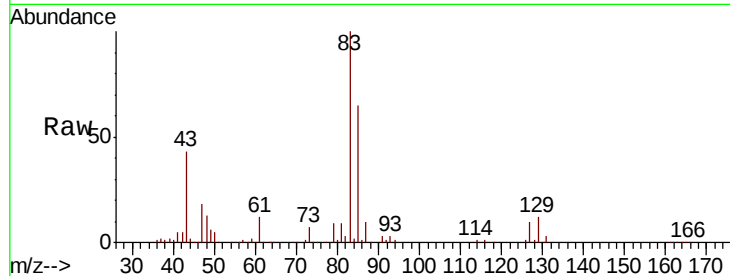
ClientSampleId :

SA-TW513-1014MS

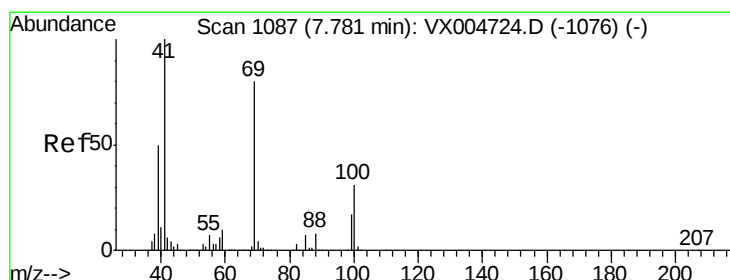
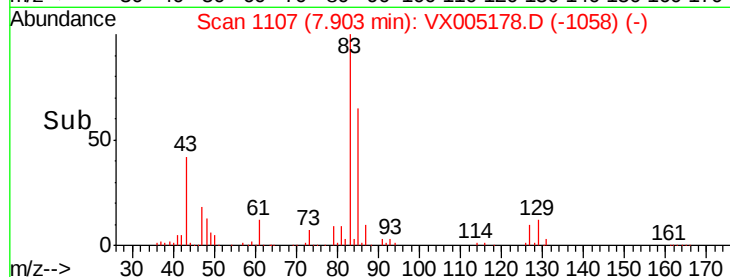
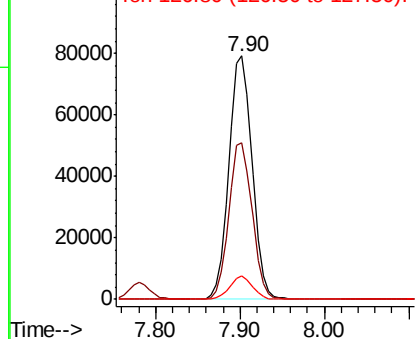
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 147179 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 64.6  | 51.2  | 76.8   |
| 127       | 9.7   | 7.0   | 10.6   |

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Abundance Ion 82.90 (82.60 to 83.60): VX0  
Ion 84.90 (84.60 to 85.60): VX0  
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 56.830 ug/l

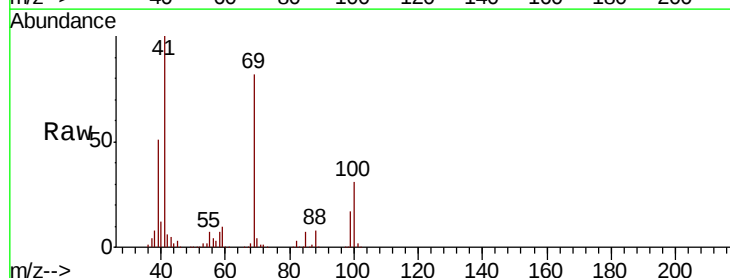
RT: 7.78 min Scan# 1087

Delta R.T. -0.00 min

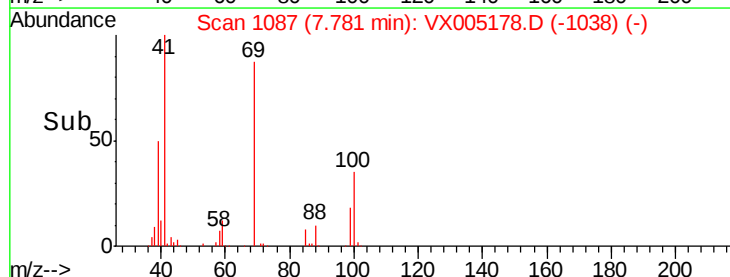
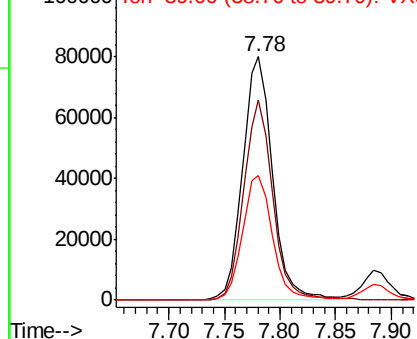
Lab File: VX005178.D

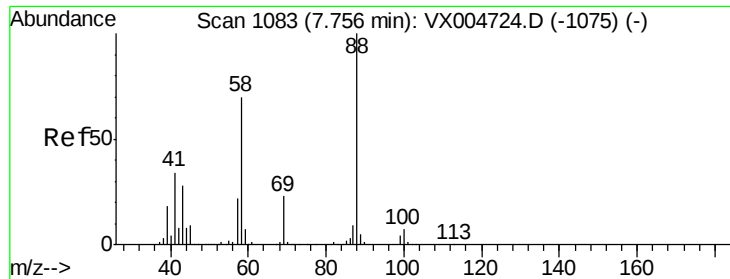
Acq: 09 Oct 2018 23:51

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 148788 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 80.8  | 63.8  | 95.6   |
| 39        | 51.5  | 40.7  | 61.1   |



Abundance Ion 41.00 (40.70 to 41.70): VX0  
Ion 69.00 (68.70 to 69.70): VX0  
Ion 39.00 (38.70 to 39.70): VX0





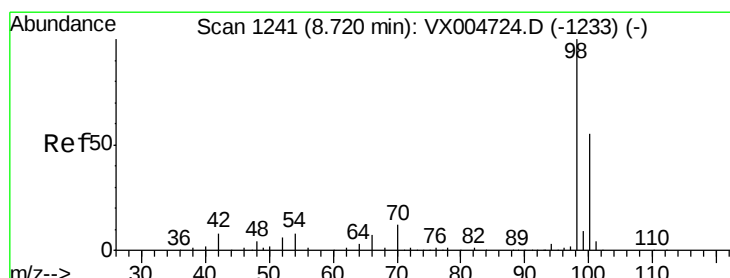
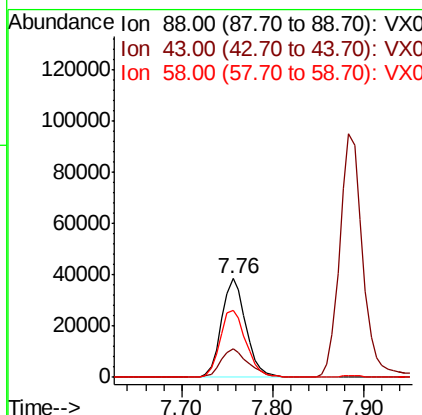
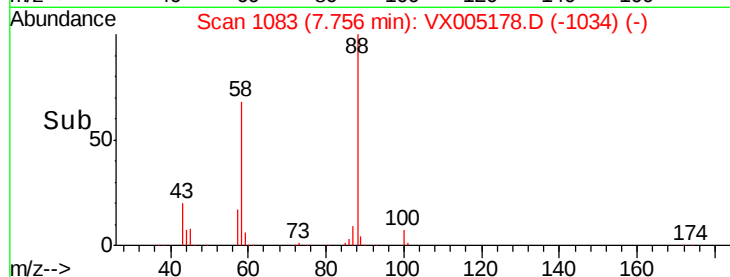
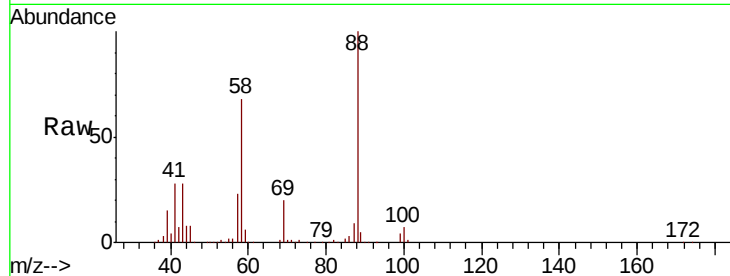
#49  
1,4-Dioxane  
Concen: 1111.196 ug/l  
RT: 7.76 min Scan# 1083  
Delta R.T. -0.00 min  
Lab File: VX005178.D  
Acq: 09 Oct 2018 23:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-TW513-1014MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 32.6  | 25.1  | 37.7  |
| 58      | 72.6  | 56.2  | 84.2  |

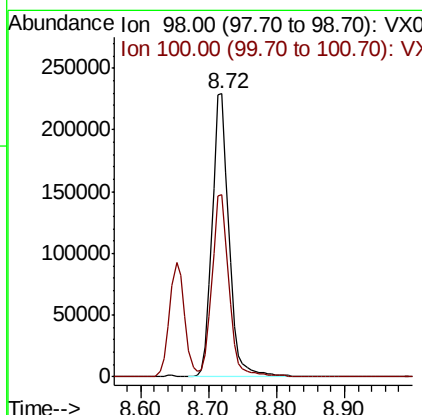
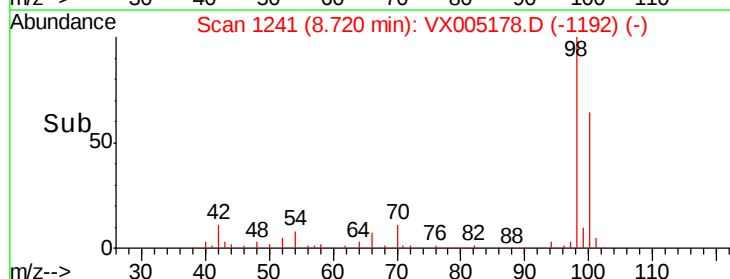
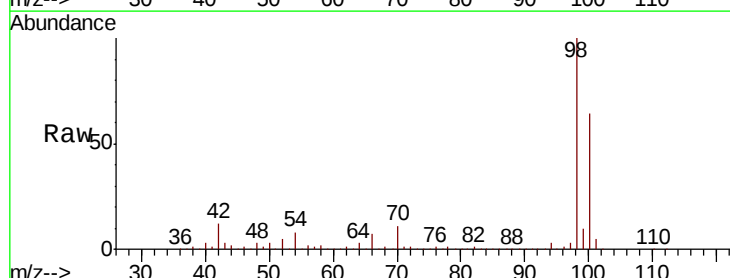
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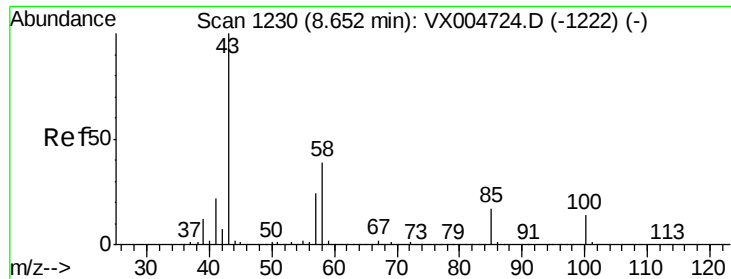
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#50  
Toluene-d8  
Concen: 53.756 ug/l  
RT: 8.72 min Scan# 1241  
Delta R.T. 0.00 min  
Lab File: VX005178.D  
Acq: 09 Oct 2018 23:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 65.4  | 51.9  | 77.9  |





#51

4-Methyl-2-Pentanone

Concen: 285.528 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VX005178.D

Acq: 09 Oct 2018 23:51

Instrument :

MSVOA\_X

ClientSampleId :

SA-TW513-1014MS

Tot Ion: 43 Resp: 1037025

Ion Ratio Lower Upper

43 100

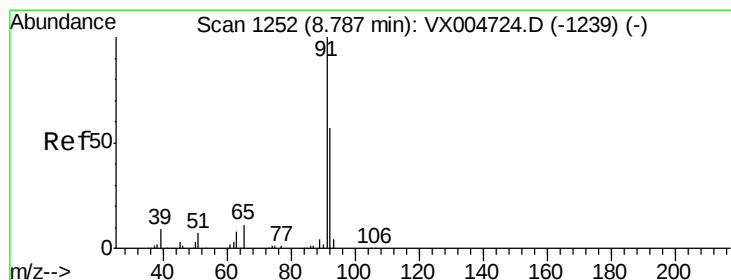
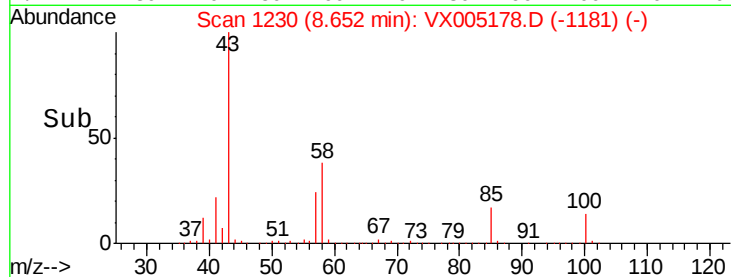
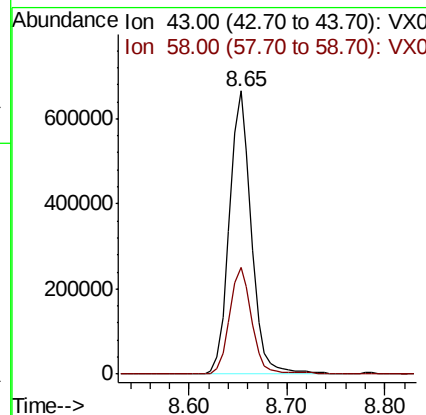
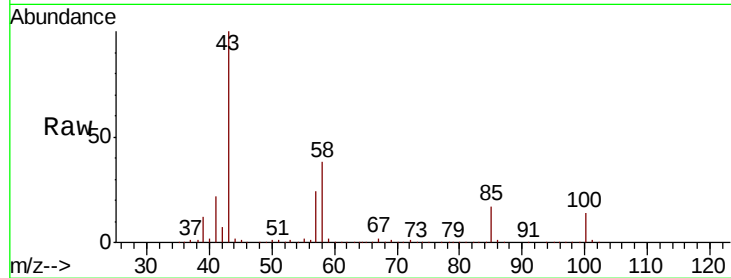
58 38.4 30.5 45.7

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#52

Toluene

Concen: 50.388 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005178.D

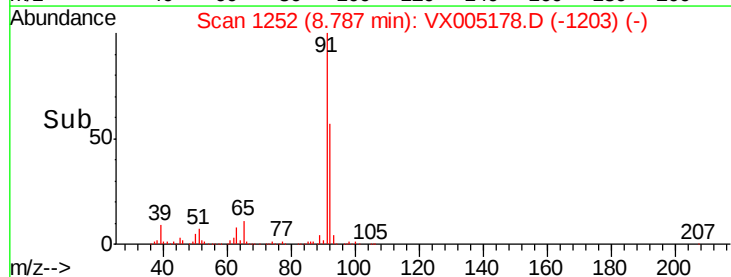
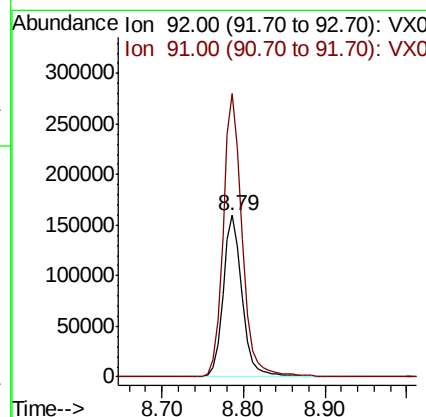
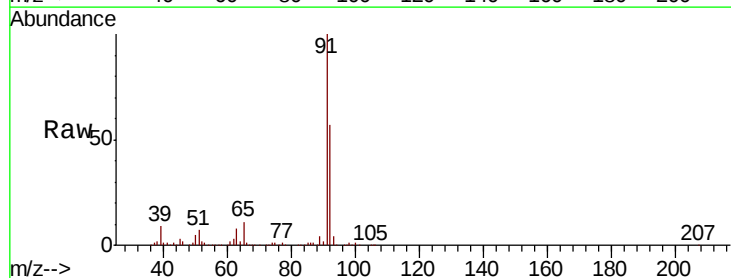
Acq: 09 Oct 2018 23:51

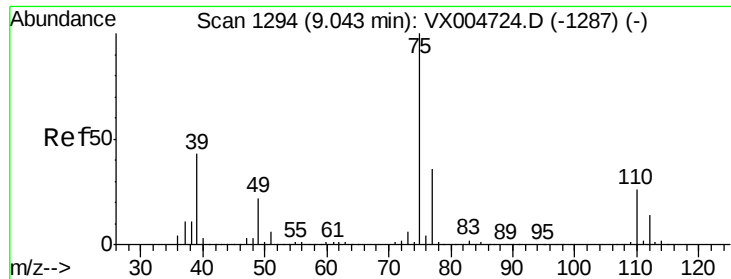
Tgt Ion: 92 Resp: 260971

Ion Ratio Lower Upper

92 100

91 175.0 136.7 205.1





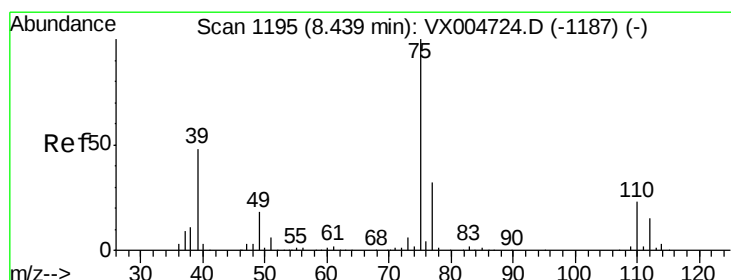
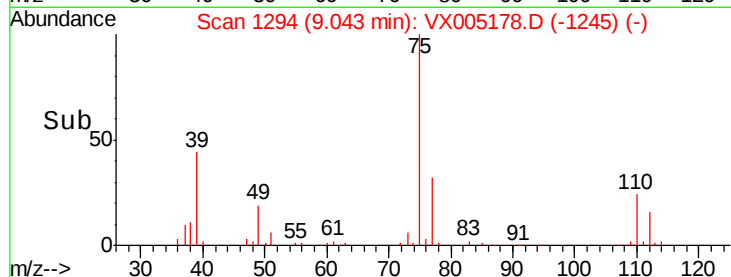
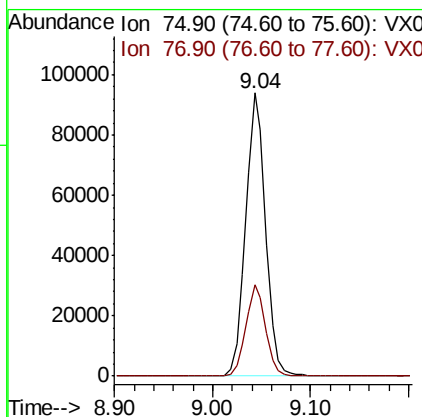
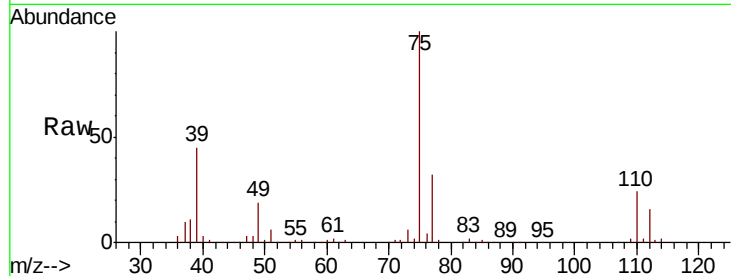
#53  
t-1,3-Dichloropropene  
Concen: 42.996 ug/l  
RT: 9.04 min Scan# 1294  
Delta R.T. -0.00 min  
Lab File: VX005178.D  
Acq: 09 Oct 2018 23:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-TW513-1014MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 32.3  | 28.9  | 43.3  |

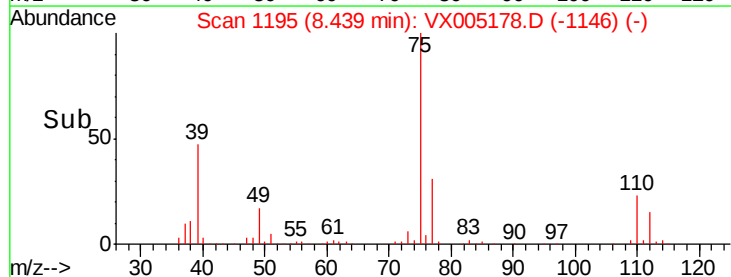
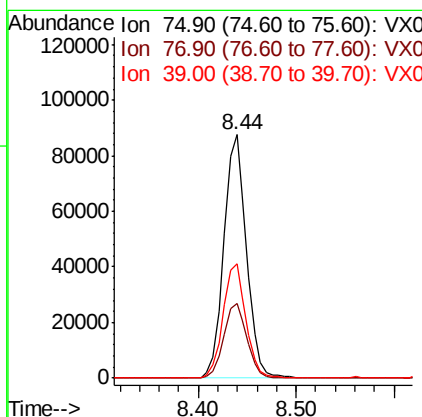
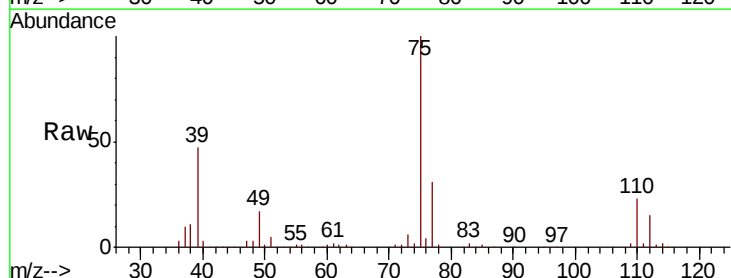
Manual Integrations  
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#54  
cis-1,3-Dichloropropene  
Concen: 43.597 ug/l  
RT: 8.44 min Scan# 1195  
Delta R.T. -0.00 min  
Lab File: VX005178.D  
Acq: 09 Oct 2018 23:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 30.7  | 25.7  | 38.5  |
| 39      | 46.8  | 38.3  | 57.5  |





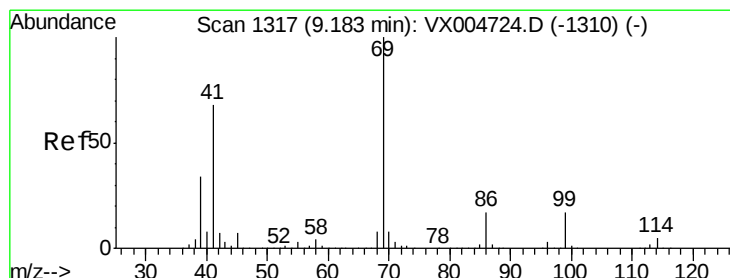
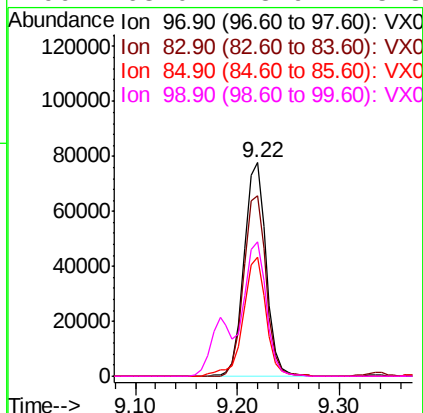
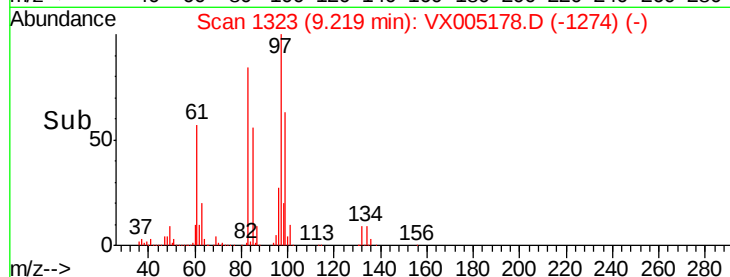
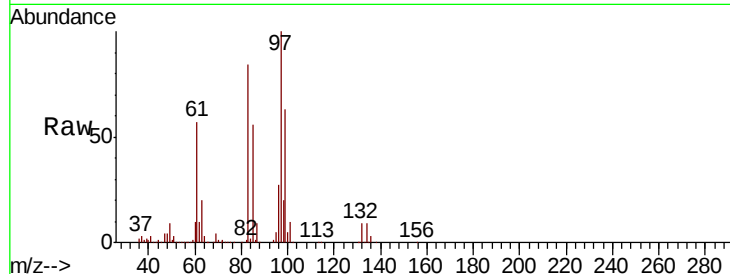
#55  
 1,1,2-Trichloroethane  
 Concen: 51.509 ug/l  
 RT: 9.22 min Scan# 1323  
 Delta R.T. -0.00 min  
 Lab File: VX005178.D  
 Acq: 09 Oct 2018 23:51

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-TW513-1014MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 116856 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 84.3  | 68.2  | 102.2  |
| 85       | 55.8  | 49.9  | 74.9   |
| 99       | 63.0  | 48.9  | 73.3   |

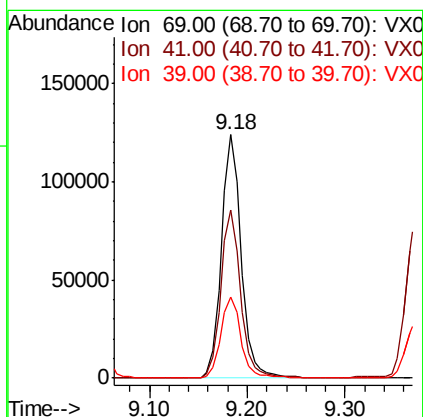
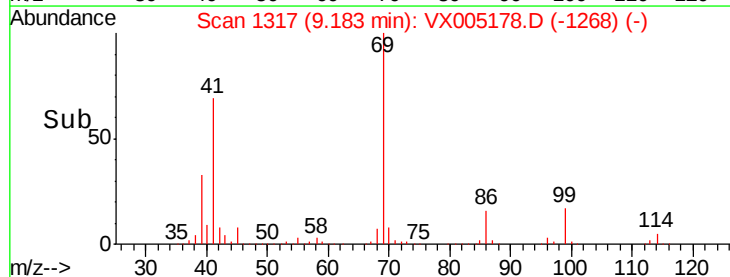
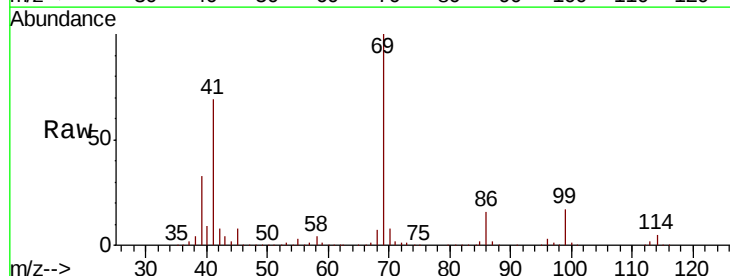
Manual Integrations  
 APPROVED

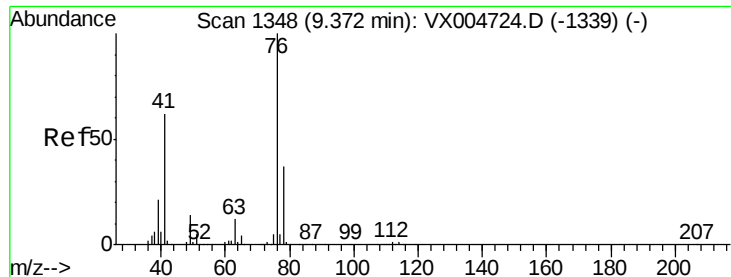
MMDadoda  
 10/10/2018 2:08:05 PM



#56  
 Ethyl methacrylate  
 Concen: 47.482 ug/l  
 RT: 9.18 min Scan# 1317  
 Delta R.T. 0.00 min  
 Lab File: VX005178.D  
 Acq: 09 Oct 2018 23:51

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 174239 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 69.2  | 56.9  | 85.3   |
| 39       | 33.8  | 28.4  | 42.6   |





#57

1,3-Dichloropropane

Concen: 51.027 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX005178.D

Acq: 09 Oct 2018 23:51

Instrument :

MSVOA\_X

ClientSampleId :

SA-TW513-1014MS

Tot Ion: 76 Resp: 192670

Ion Ratio Lower Upper

76 100

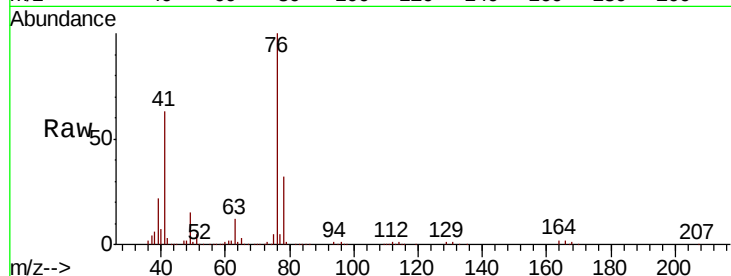
78 31.9 26.6 40.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

150000

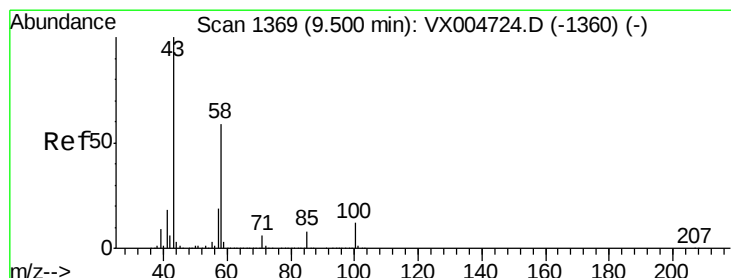
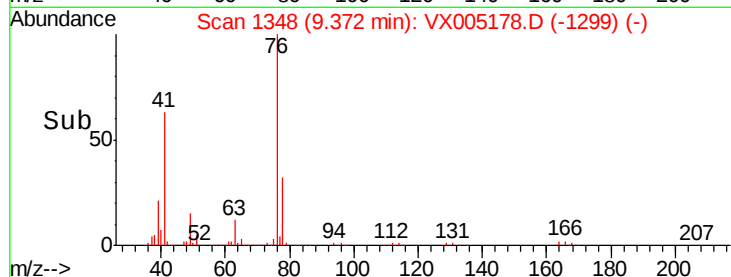
100000

50000

0

9.30 9.40 9.50

Time-->



#59

2-Hexanone

Concen: 274.743 ug/l

RT: 9.50 min Scan# 1369

Delta R.T. -0.00 min

Lab File: VX005178.D

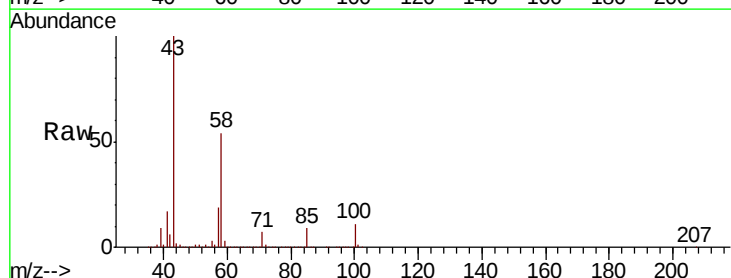
Acq: 09 Oct 2018 23:51

Tgt Ion: 43 Resp: 831531

Ion Ratio Lower Upper

43 100

58 53.3 28.4 85.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.50

600000

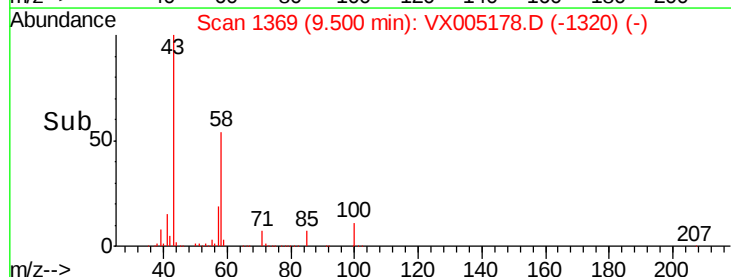
400000

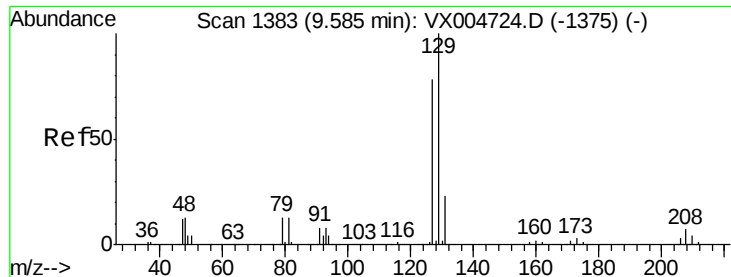
200000

0

9.40 9.50 9.60

Time-->





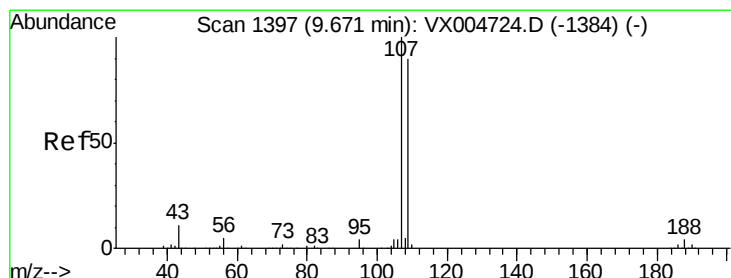
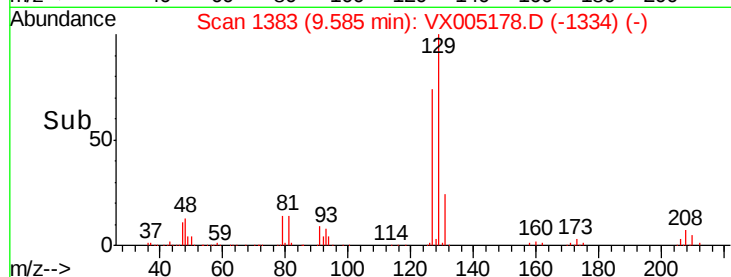
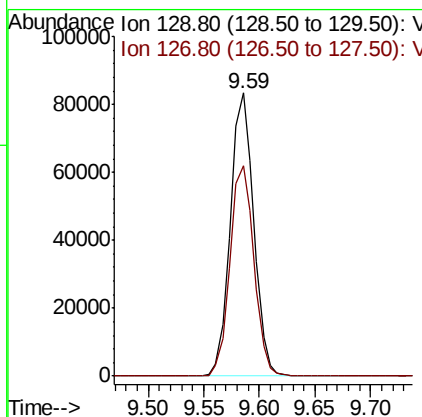
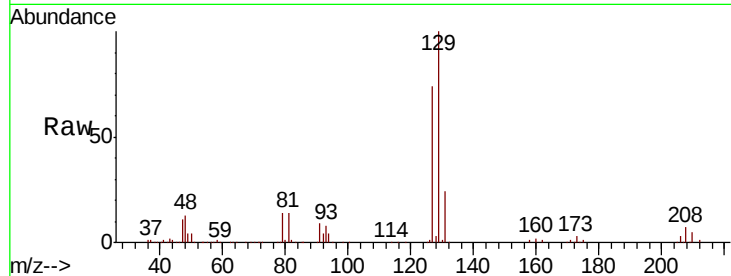
#60  
Dibromochloromethane  
Concen: 53.394 ug/l  
RT: 9.59 min Scan# 1383  
Delta R.T. 0.00 min  
Lab File: VX005178.D  
Acq: 09 Oct 2018 23:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-TW513-1014MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 129     | 100   |       |       |
| 127     | 76.1  | 39.1  | 117.2 |

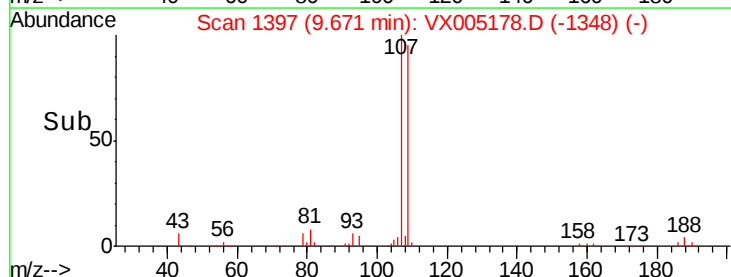
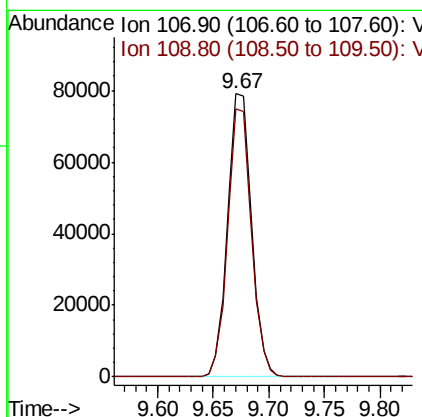
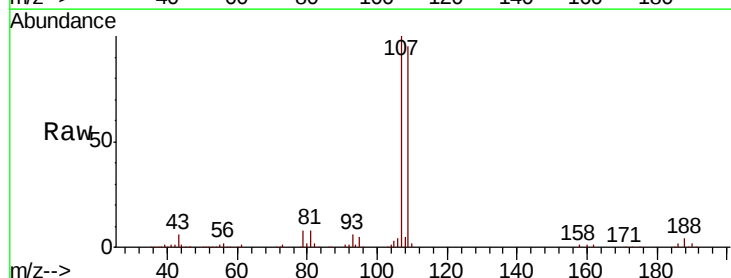
Manual Integrations  
APPROVED

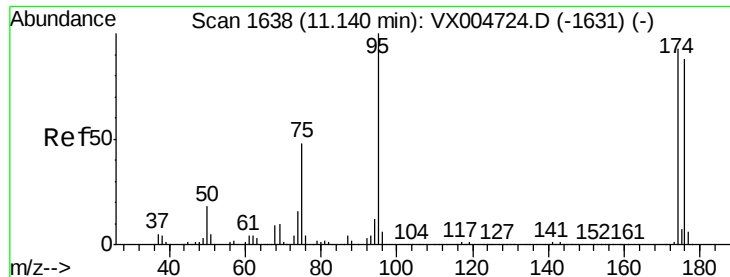
MMDadoda  
10/10/2018 2:08:05 PM



#61  
1,2-Dibromoethane  
Concen: 48.678 ug/l  
RT: 9.67 min Scan# 1397  
Delta R.T. 0.00 min  
Lab File: VX005178.D  
Acq: 09 Oct 2018 23:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 93.8  | 72.1  | 108.1 |





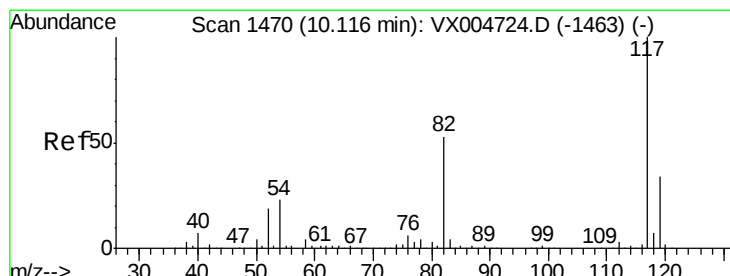
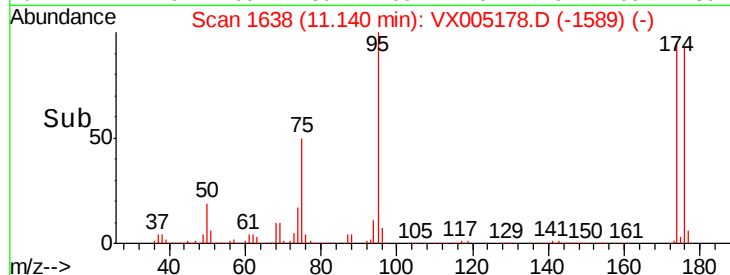
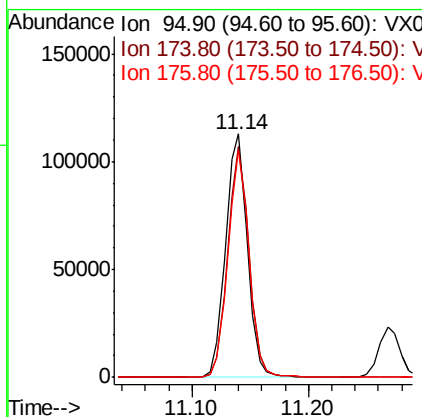
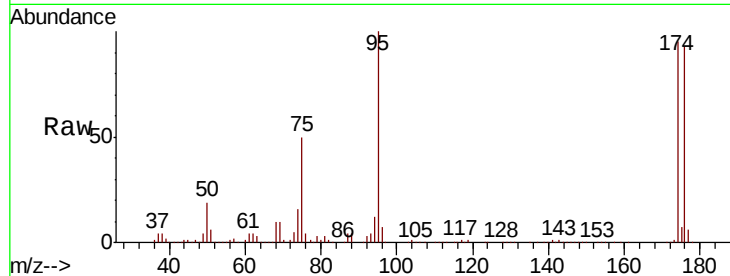
#62  
4-Bromofluorobenzene  
Concen: 55.369 ug/l  
RT: 11.14 min Scan# 1638  
Delta R.T. -0.00 min  
Lab File: VX005178.D  
Acq: 09 Oct 2018 23:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-TW513-1014MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 95      | 100   | 146331 |       |       |
| 174     | 92.9  | 0.0    | 185.0 |       |
| 176     | 90.3  | 0.0    | 180.2 |       |

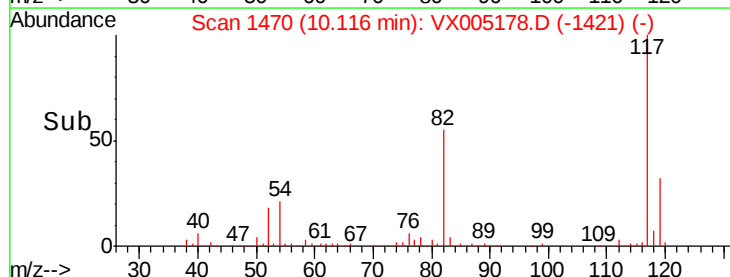
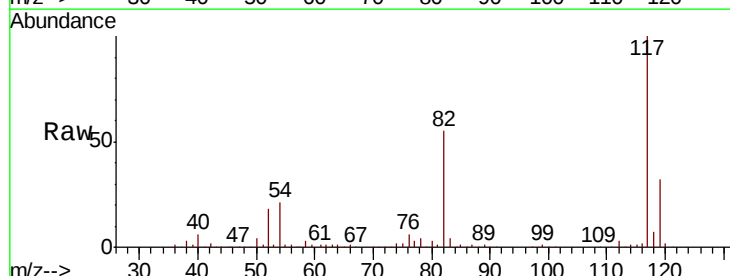
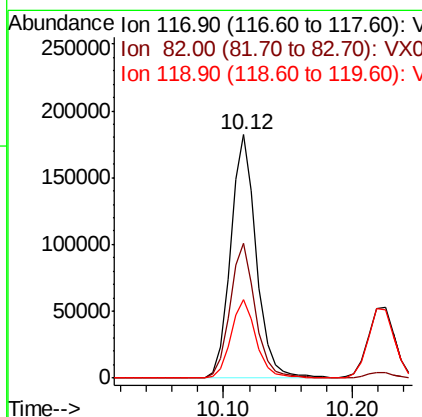
Manual Integrations  
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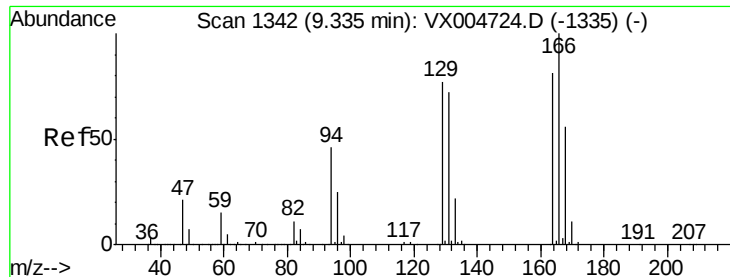
MMDadoda  
10/10/2018 2:08:05 PM



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. 0.00 min  
Lab File: VX005178.D  
Acq: 09 Oct 2018 23:51

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 253292 |       |       |
| 82      | 55.2  | 42.2   | 63.4  |       |
| 119     | 32.3  | 27.4   | 41.0  |       |





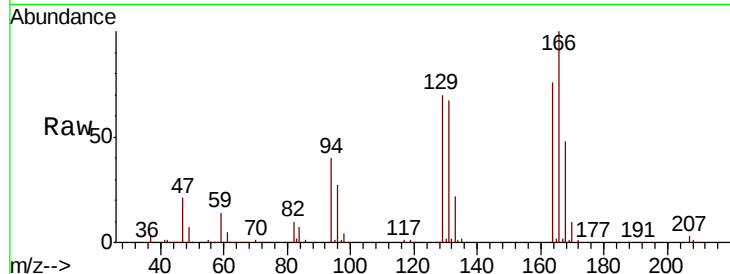
#64  
Tetrachloroethene  
Concen: 42.192 ug/l  
RT: 9.34 min Scan# 1342  
Delta R.T. -0.00 min  
Lab File: VX005178.D  
Acq: 09 Oct 2018 23:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-TW513-1014MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 164     | 100   |      |       |       |
| 166     | 130.8 | 98.4 | 147.6 |       |
| 129     | 91.2  | 76.1 | 114.1 |       |
| 131     | 87.6  | 71.0 | 106.4 |       |

Manual Integrations  
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MMDadoda  
10/10/2018 2:08:05 PM



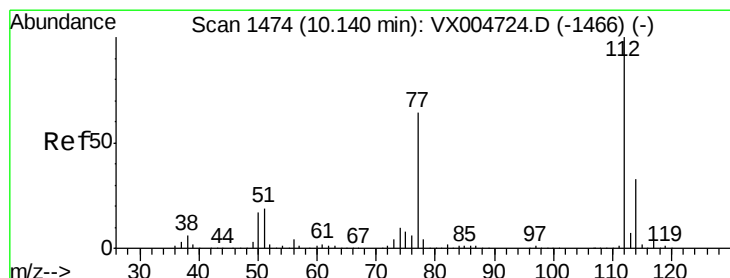
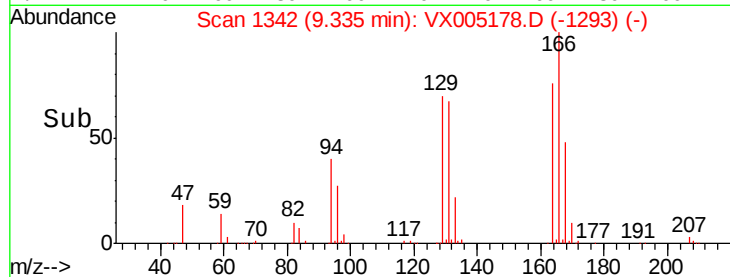
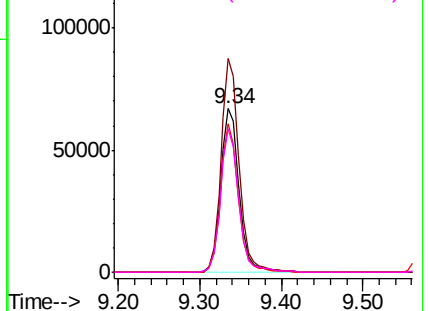
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

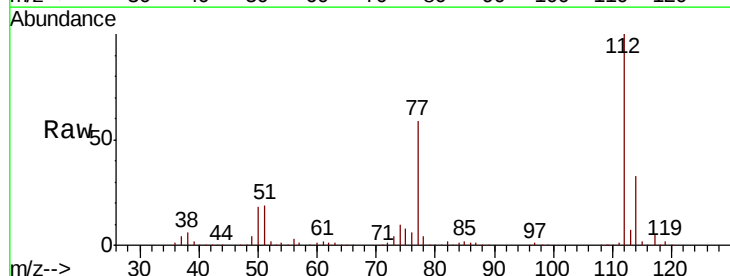
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65  
Chlorobenzene  
Concen: 45.410 ug/l  
RT: 10.14 min Scan# 1474  
Delta R.T. -0.00 min  
Lab File: VX005178.D  
Acq: 09 Oct 2018 23:51

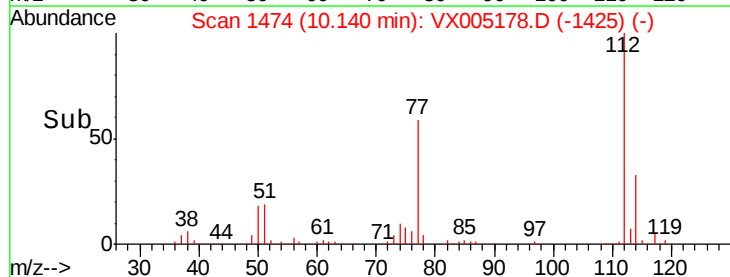
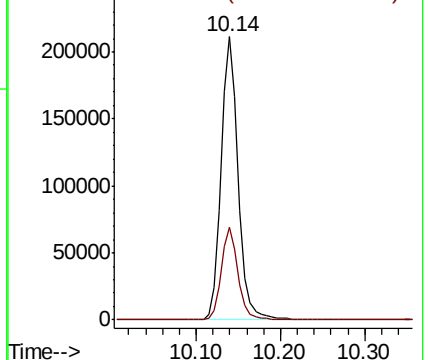
| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 112     | 100   |      |       |       |
| 114     | 32.6  | 26.7 | 40.1  |       |

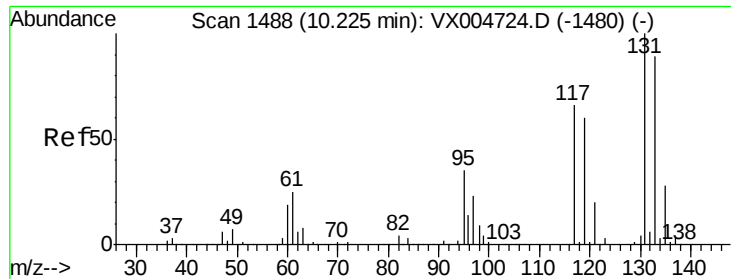


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 49.928 ug/l

RT: 10.23 min Scan# 1488

Delta R.T. -0.00 min

Lab File: VX005178.D

Acq: 09 Oct 2018 23:51

Instrument :

MSVOA\_X

ClientSampleId :

SA-TW513-1014MS

Tot Ion:131 Resp: 114006

Ion Ratio Lower Upper

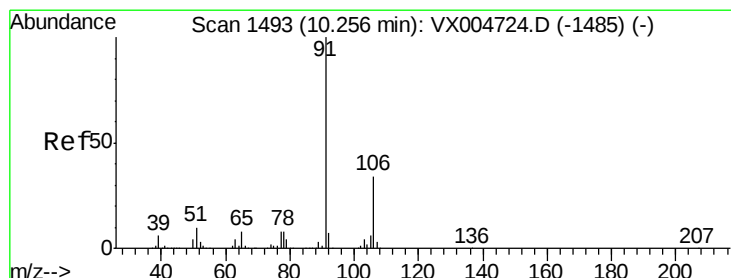
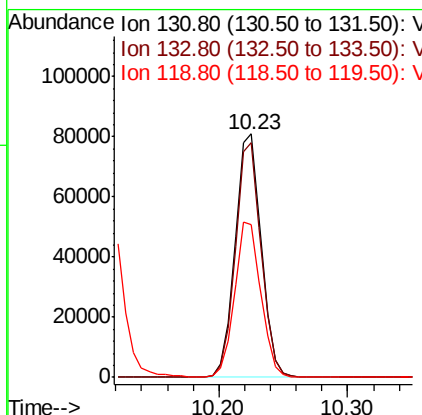
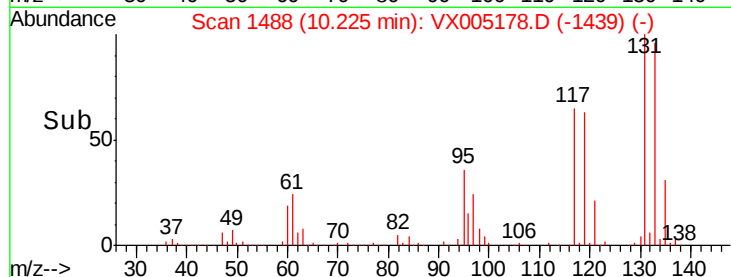
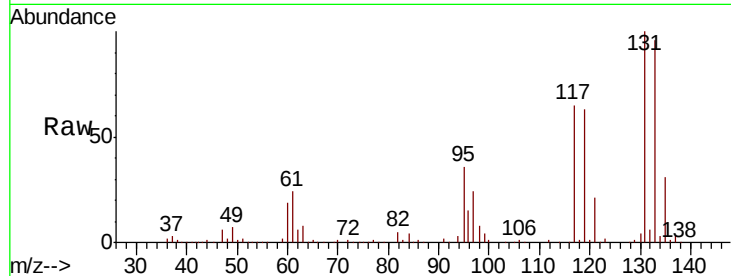
131 100

133 95.2 48.4 145.0

119 64.1 32.3 96.8

Manual Integrations  
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#67

Ethyl Benzene

Concen: 47.391 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VX005178.D

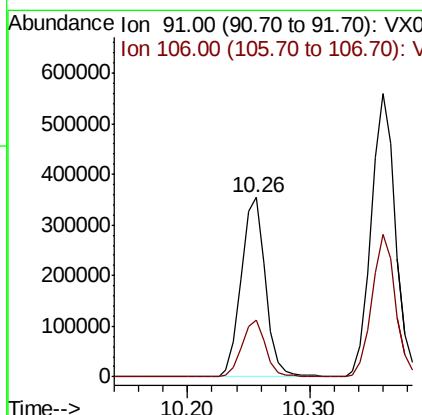
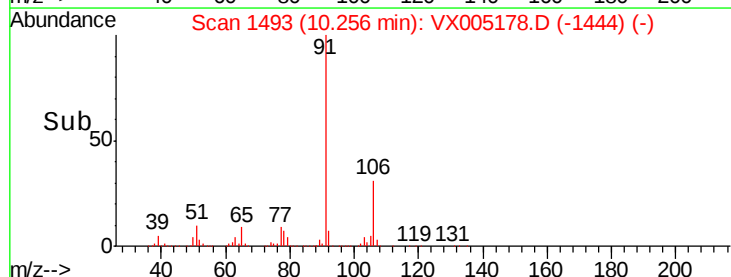
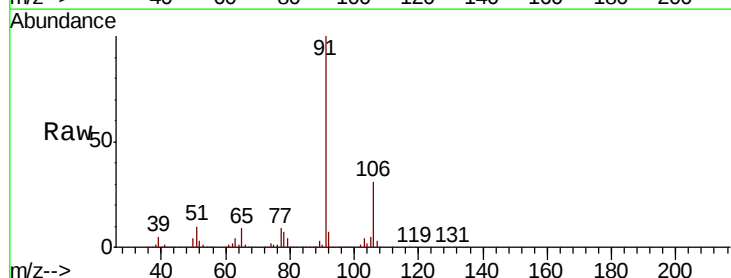
Acq: 09 Oct 2018 23:51

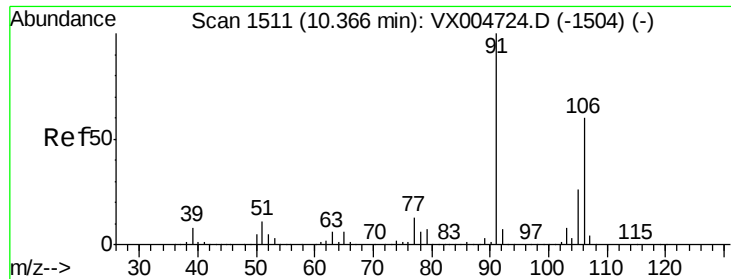
Tgt Ion: 91 Resp: 488683

Ion Ratio Lower Upper

91 100

106 31.3 26.9 40.3





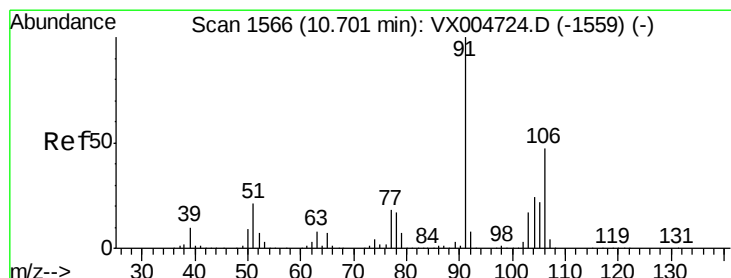
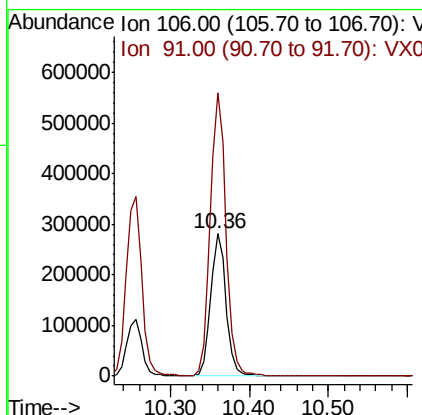
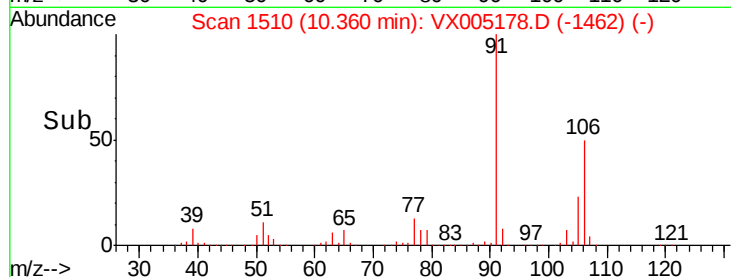
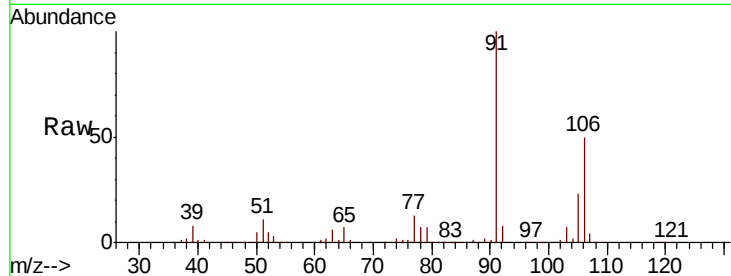
#68  
m/p-Xylenes  
Concen: 94.627 ug/l  
RT: 10.36 min Scan# 1510  
Delta R.T. -0.01 min  
Lab File: VX005178.D  
Acq: 09 Oct 2018 23:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-TW513-1014MS

Tot Ion:106 Resp: 381306  
Ion Ratio Lower Upper  
106 100  
91 203.0 157.5 236.3

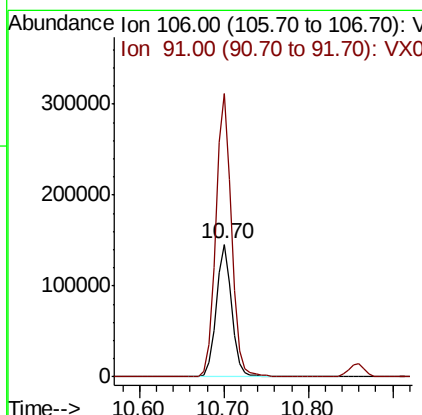
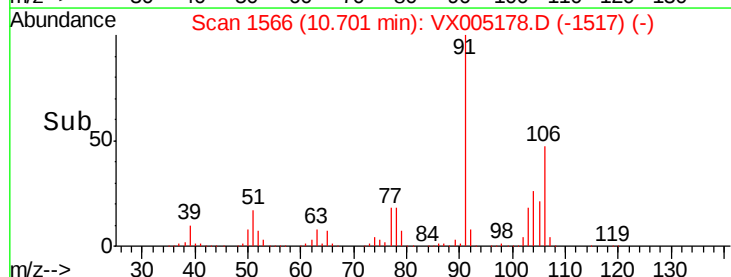
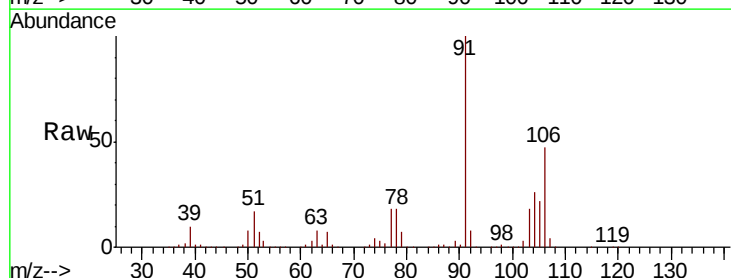
Manual Integrations  
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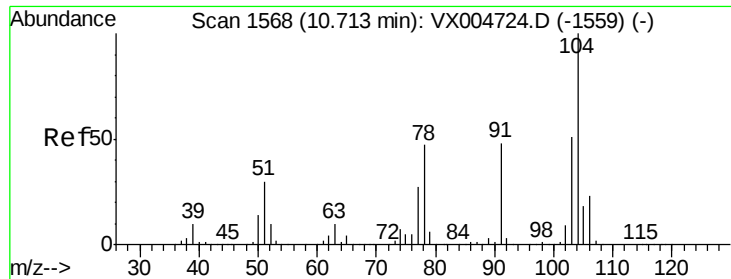
MMDadoda  
10/10/2018 2:08:05 PM



#69  
o-Xylene  
Concen: 50.175 ug/l  
RT: 10.70 min Scan# 1566  
Delta R.T. 0.00 min  
Lab File: VX005178.D  
Acq: 09 Oct 2018 23:51

Tgt Ion:106 Resp: 185703  
Ion Ratio Lower Upper  
106 100  
91 216.8 108.3 324.8





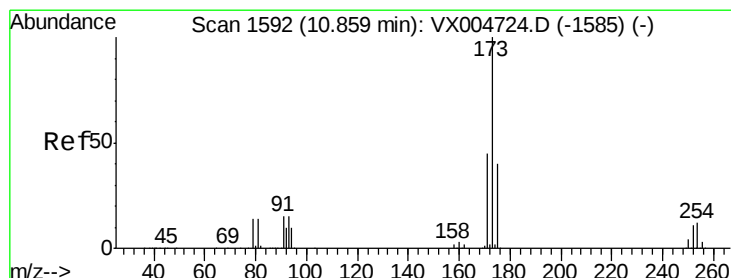
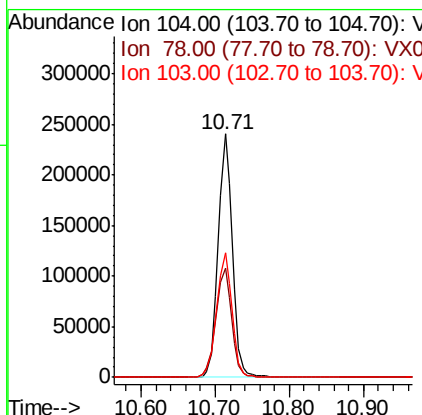
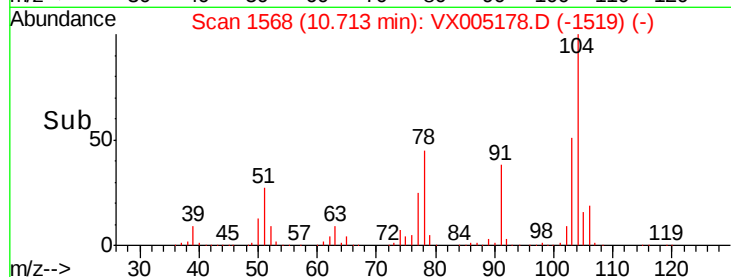
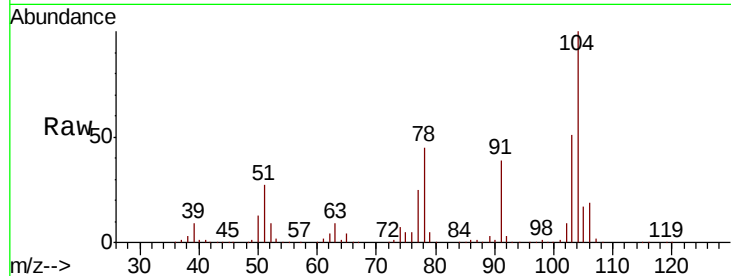
#70  
Stvrene  
Concen: 45.789 ug/l  
RT: 10.71 min Scan# 1568  
Delta R.T. -0.00 min  
Lab File: VX005178.D  
Acq: 09 Oct 2018 23:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-TW513-1014MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 49.9  | 40.0  | 60.0  |
| 103     | 55.6  | 44.3  | 66.5  |

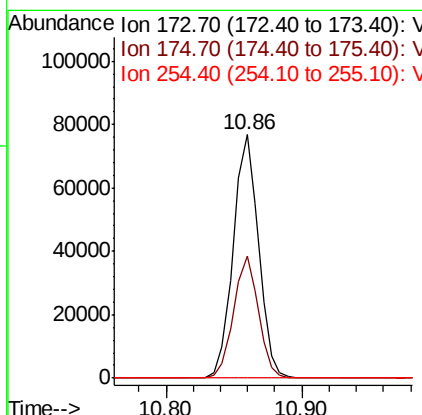
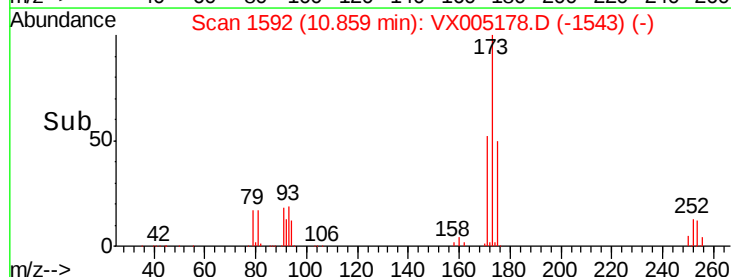
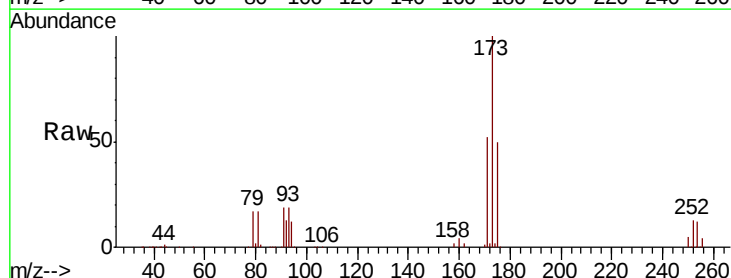
Manual Integrations  
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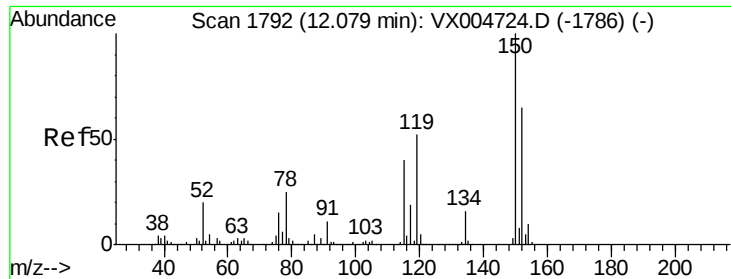
MMDadoda  
10/10/2018 2:08:05 PM



#71  
Bromoform  
Concen: 50.655 ug/l  
RT: 10.86 min Scan# 1592  
Delta R.T. -0.00 min  
Lab File: VX005178.D  
Acq: 09 Oct 2018 23:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.6  | 23.3  | 69.8  |
| 254     | 0.2   | 0.2   | 0.2   |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005178.D

Acq: 09 Oct 2018 23:51

Instrument :

MSVOA\_X

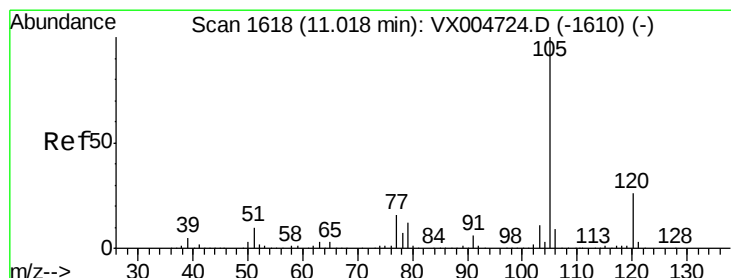
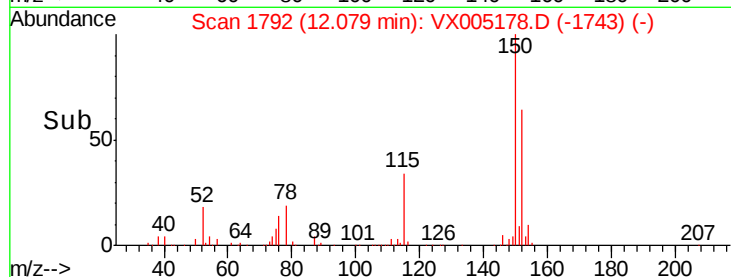
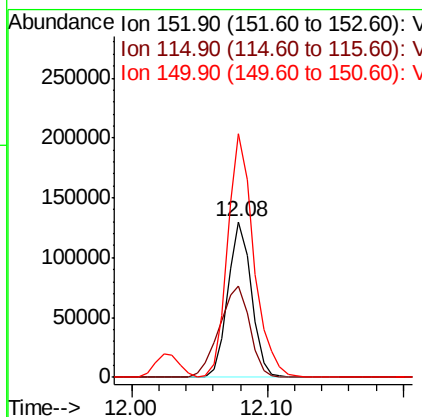
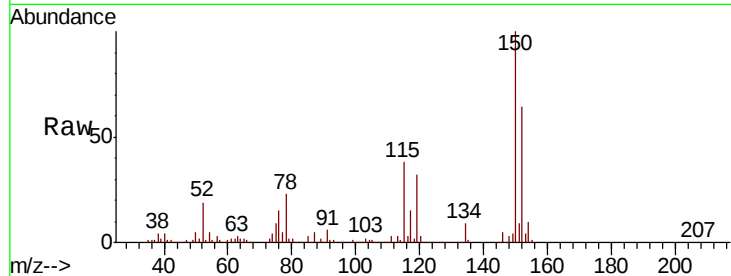
ClientSampleId :

SA-TW513-1014MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 152   | Resp: | 155765 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 75.5  | 40.2  | 120.6  |
| 150       | 173.9 | 0.0   | 351.0  |

Manual Integrations  
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#73

Isopropylbenzene

Concen: 50.024 ug/l

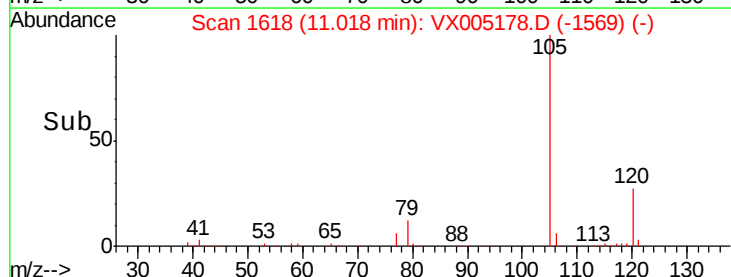
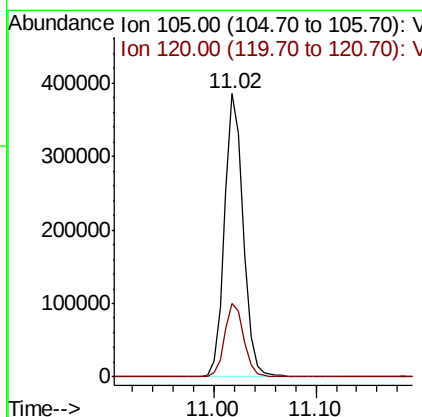
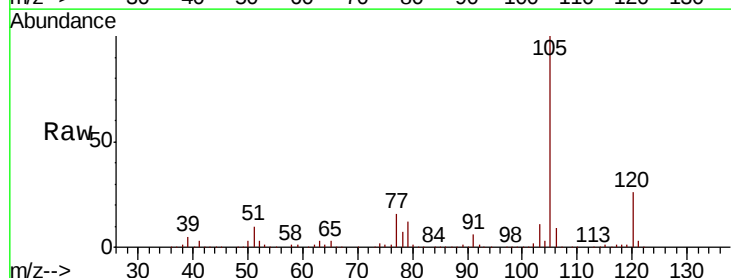
RT: 11.02 min Scan# 1618

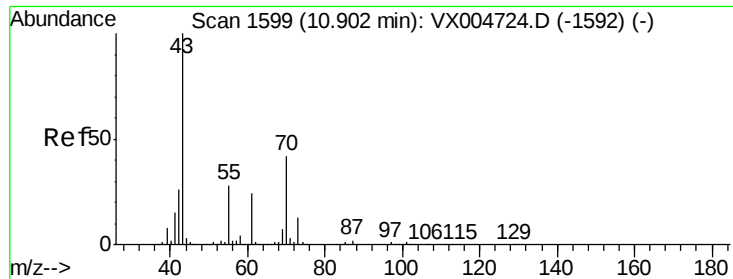
Delta R.T. 0.00 min

Lab File: VX005178.D

Acq: 09 Oct 2018 23:51

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 491135 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 26.6  | 13.2  | 39.5   |





#74

N-amvl acetate

Concen: 30.985 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX005178.D

Acq: 09 Oct 2018 23:51

Instrument :

MSVOA\_X

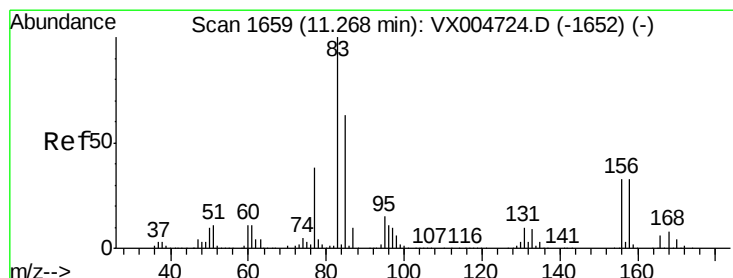
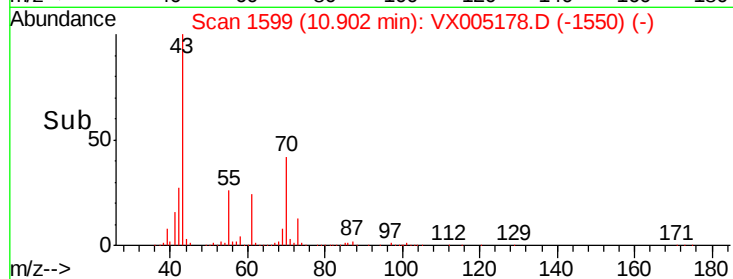
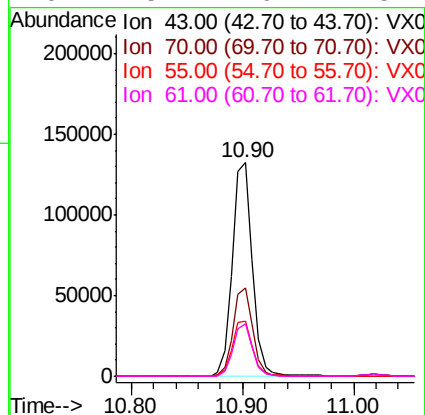
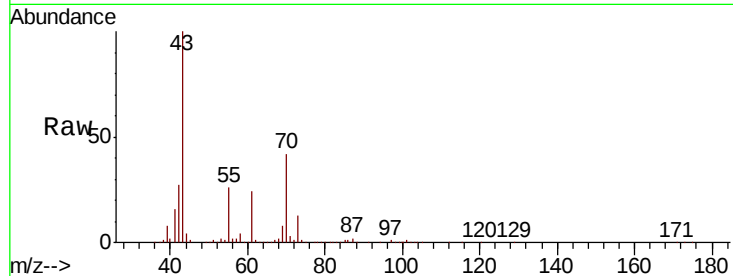
ClientSampleId :

SA-TW513-1014MS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 43      | 100  |       | 163490 |       |       |
| 70      | 41.0 | 32.6  | 48.8   |       |       |
| 55      | 26.4 | 21.6  | 32.4   |       |       |
| 61      | 23.7 | 19.1  | 28.7   |       |       |

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#75

1,1,2,2-Tetrachloroethane

Concen: 48.316 ug/l

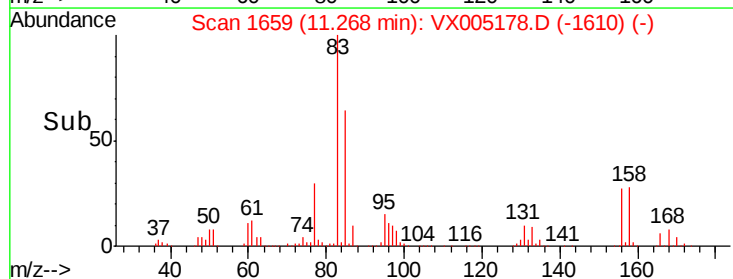
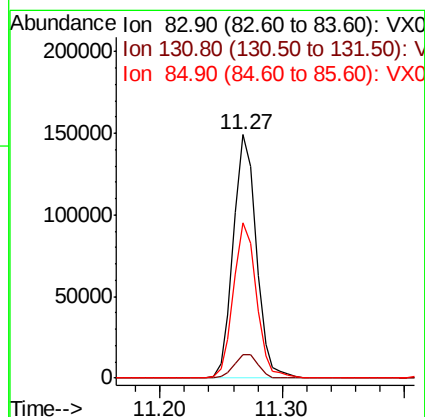
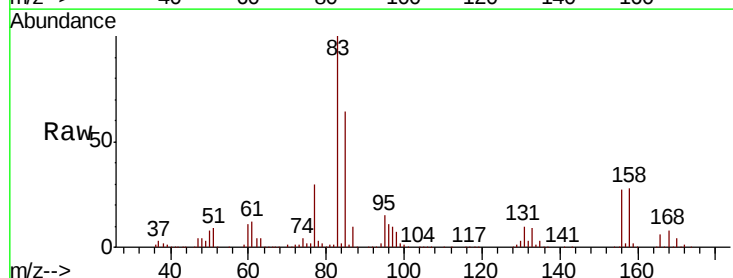
RT: 11.27 min Scan# 1659

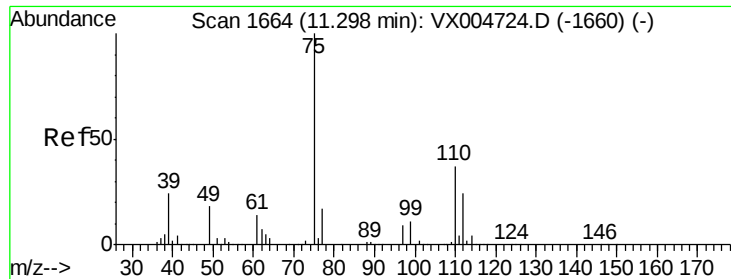
Delta R.T. 0.00 min

Lab File: VX005178.D

Acq: 09 Oct 2018 23:51

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 83      | 100  |       | 193101 |       |       |
| 131     | 10.3 | 5.1   | 15.3   |       |       |
| 85      | 64.0 | 31.9  | 95.9   |       |       |





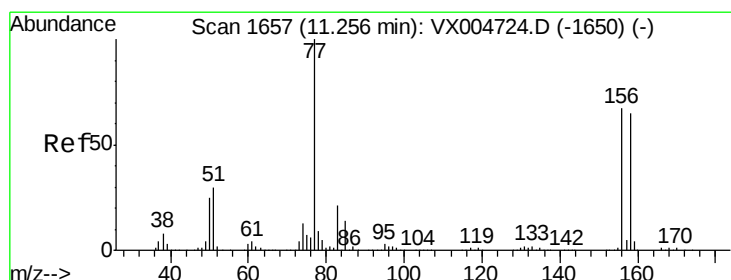
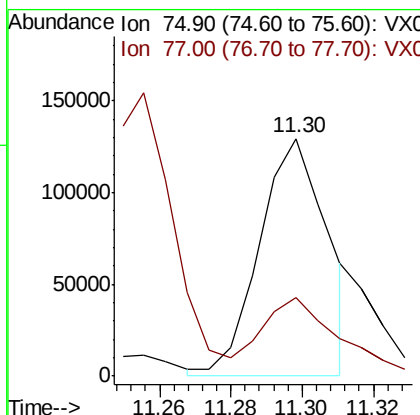
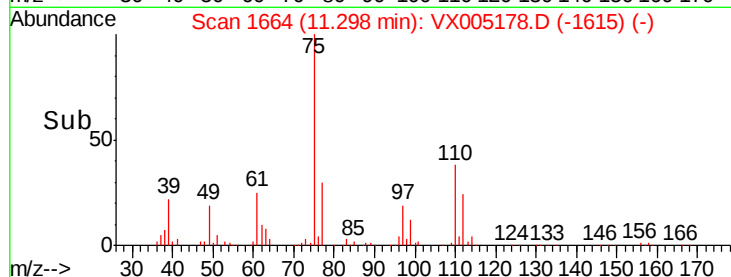
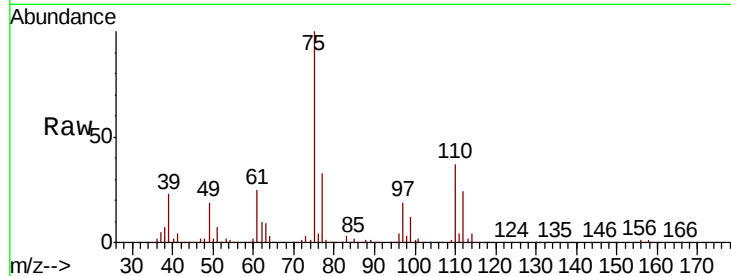
#76  
 1,2,3-Trichloropropane  
 Concen: 48.997 ug/l m  
 RT: 11.30 min Scan# 1664  
 Delta R.T. 0.00 min  
 Lab File: VX005178.D  
 Acq: 09 Oct 2018 23:51

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-TW513-1014MS

Tot Ion: 75 Resp: 171062  
 Ion Ratio Lower Upper  
 75 100  
 77 37.6 21.4 64.3

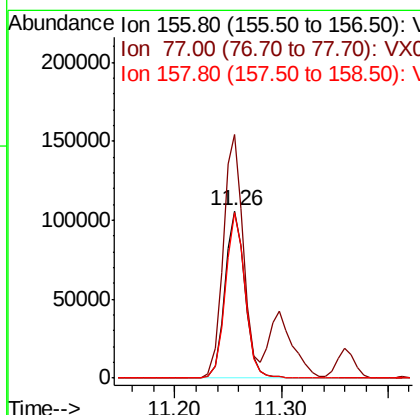
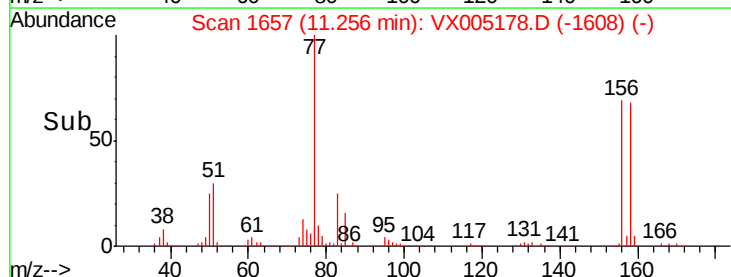
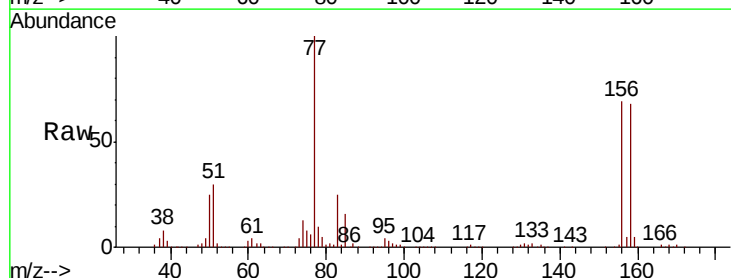
Manual Integrations  
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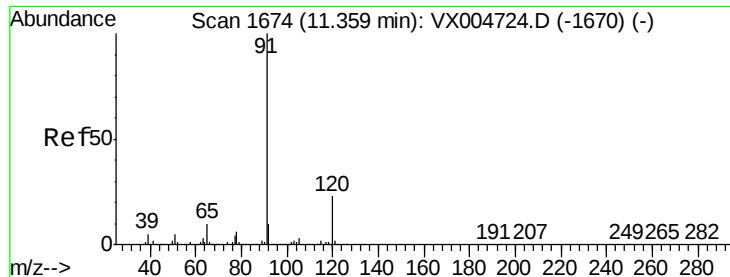
MMDadoda  
 10/10/2018 2:08:05 PM



#77  
 Bromobenzene  
 Concen: 48.551 ug/l  
 RT: 11.26 min Scan# 1657  
 Delta R.T. -0.00 min  
 Lab File: VX005178.D  
 Acq: 09 Oct 2018 23:51

Tgt Ion: 156 Resp: 138455  
 Ion Ratio Lower Upper  
 156 100  
 77 146.9 73.4 220.2  
 158 97.5 49.1 147.4





#78

n-propylbenzene

Concen: 48.511 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX005178.D

Acq: 09 Oct 2018 23:51

Instrument :

MSVOA\_X

ClientSampleId :

SA-TW513-1014MS

Tot Ion: 91 Resp: 546479

Ion Ratio Lower Upper

91 100

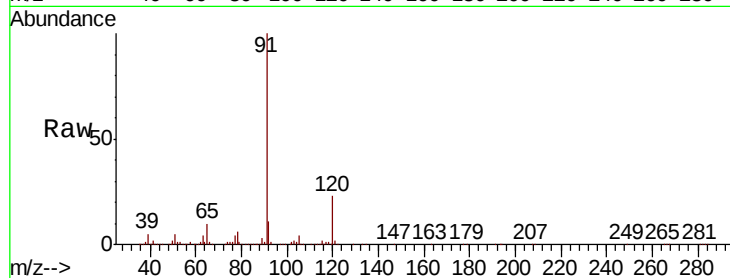
120 23.7 12.0 36.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

11.36

400000

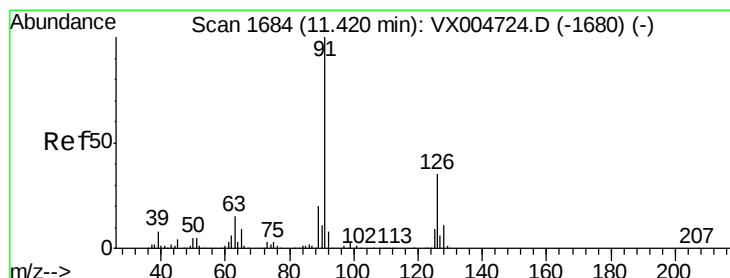
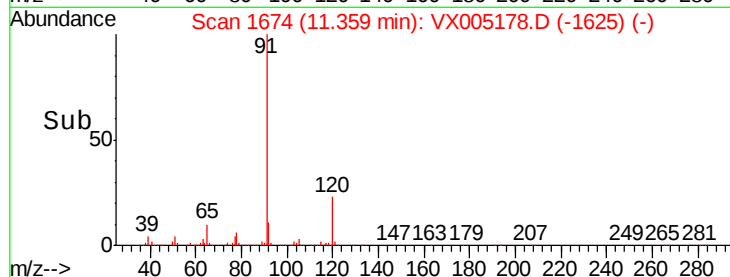
300000

200000

100000

0

Time--> 11.30 11.35 11.40



#79

2-Chlorotoluene

Concen: 49.644 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX005178.D

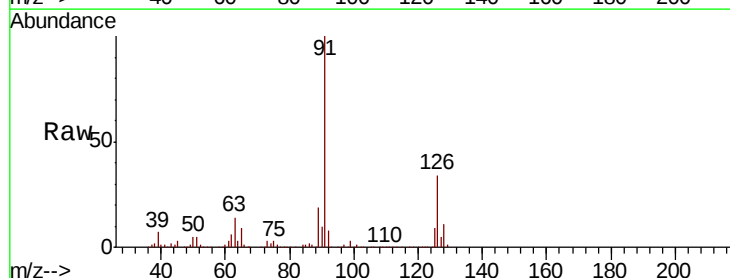
Acq: 09 Oct 2018 23:51

Tgt Ion: 91 Resp: 348588

Ion Ratio Lower Upper

91 100

126 34.8 17.6 52.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

11.42

400000

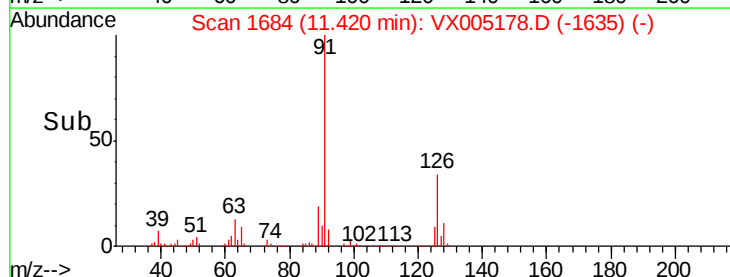
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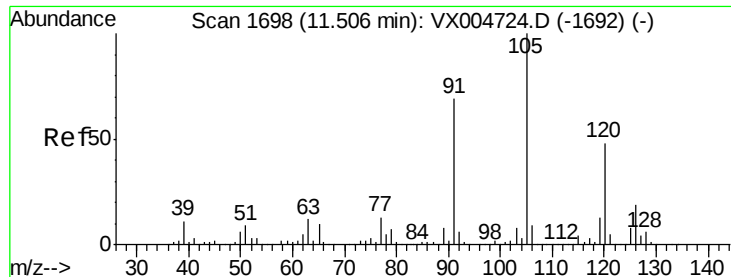
200000

100000

0

Time--> 11.35 11.40 11.45 11.50





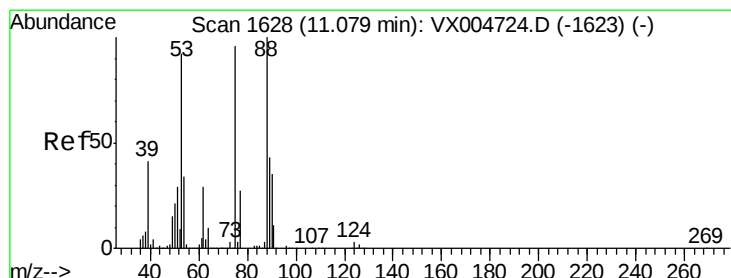
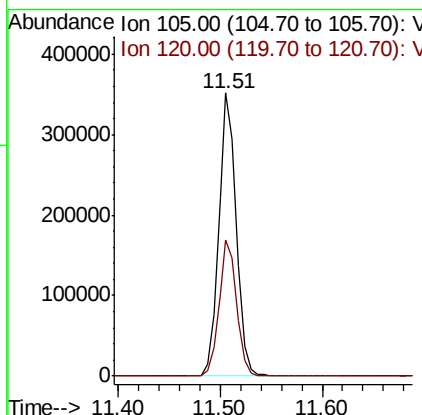
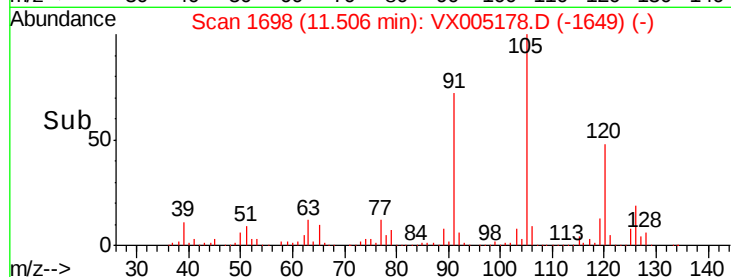
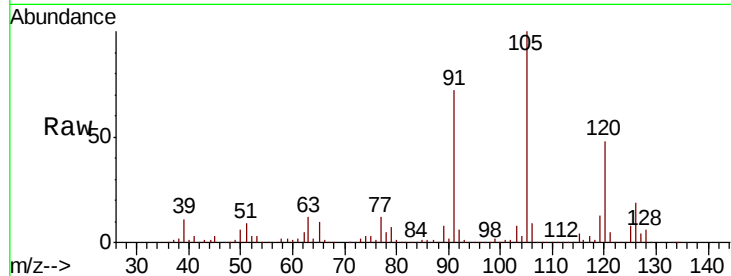
#80  
 1,3,5-Trimethylbenzene  
 Concen: 46.785 ug/l  
 RT: 11.51 min Scan# 1698  
 Delta R.T. 0.00 min  
 Lab File: VX005178.D  
 Acq: 09 Oct 2018 23:51

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-TW513-1014MS

Tot Ion:105 Resp: 421118  
 Ion Ratio Lower Upper  
 105 100  
 120 48.2 24.3 72.8

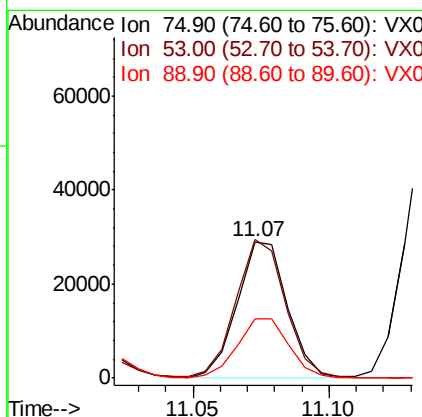
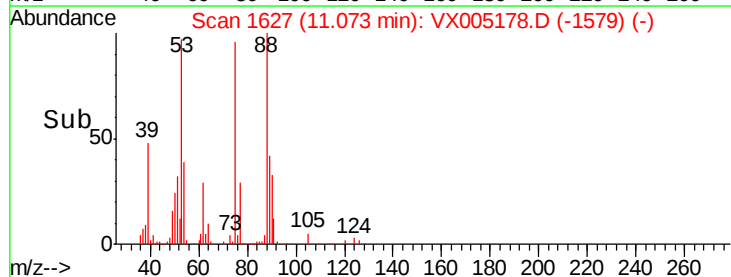
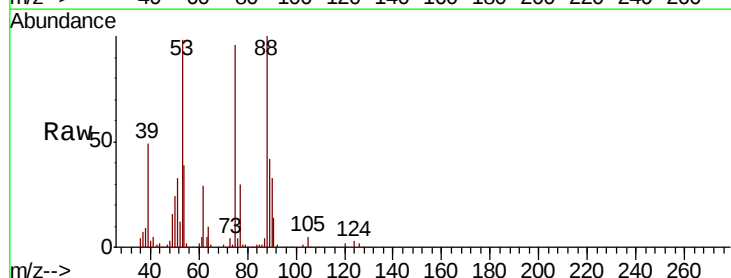
Manual Integrations  
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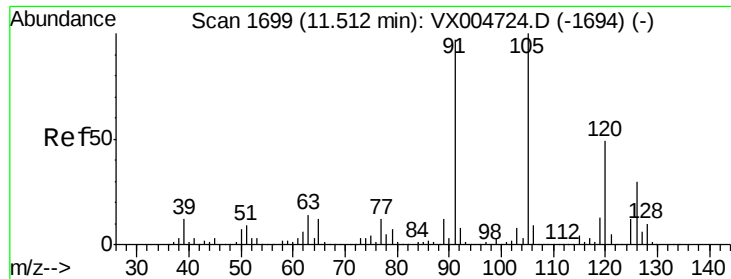
MMDadoda  
 10/10/2018 2:08:05 PM



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 29.477 ug/l  
 RT: 11.07 min Scan# 1627  
 Delta R.T. -0.01 min  
 Lab File: VX005178.D  
 Acq: 09 Oct 2018 23:51

Tgt Ion: 75 Resp: 36645  
 Ion Ratio Lower Upper  
 75 100  
 53 100.9 80.2 120.4  
 89 46.1 37.1 55.7





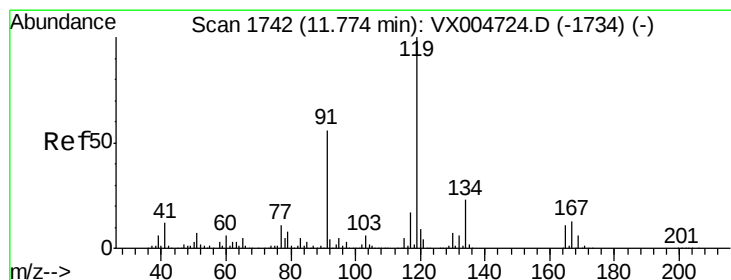
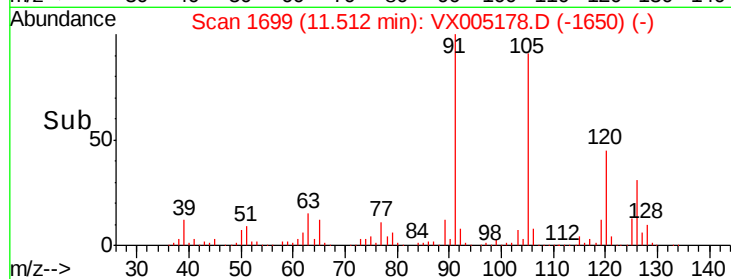
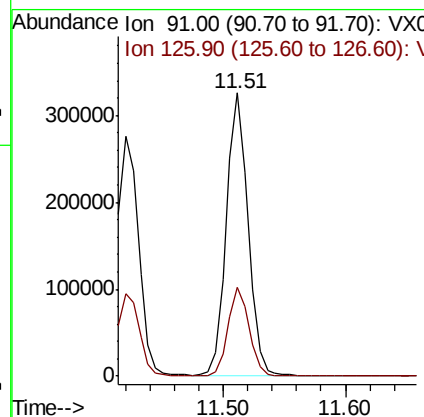
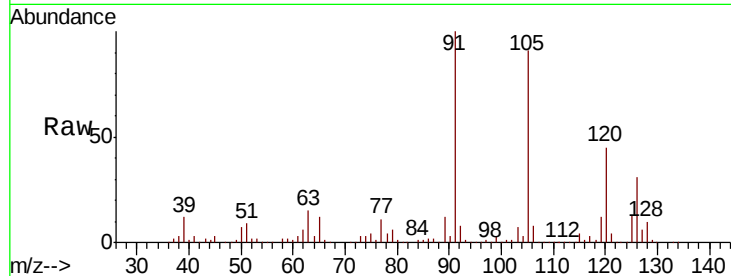
#82  
4-Chlorotoluene  
Concen: 48.716 ug/l  
RT: 11.51 min Scan# 1699  
Delta R.T. 0.00 min  
Lab File: VX005178.D  
Acq: 09 Oct 2018 23:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-TW513-1014MS

Tot Ion: 91 Resp: 402632  
Ion Ratio Lower Upper  
91 100  
126 30.5 15.5 46.5

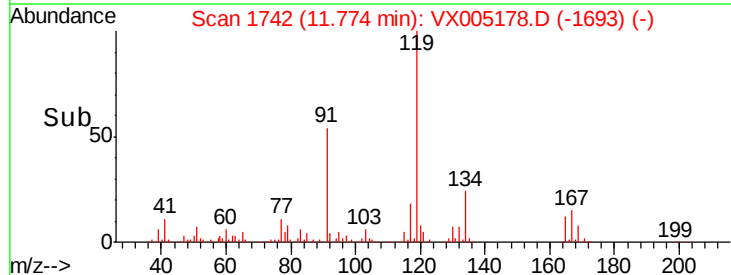
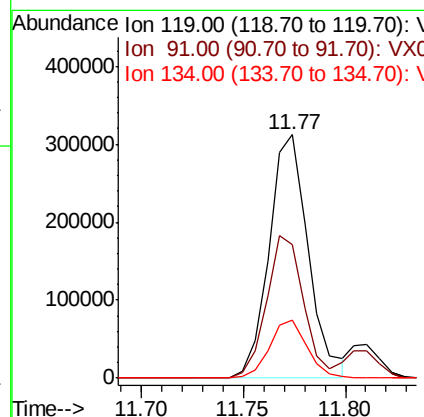
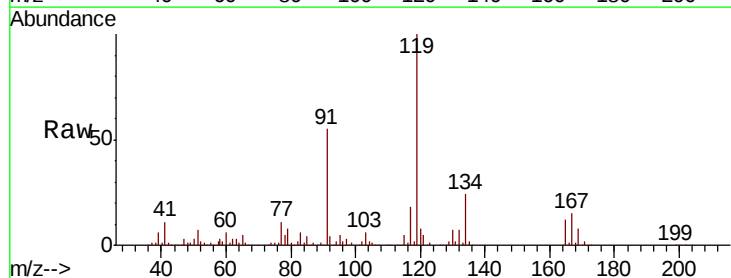
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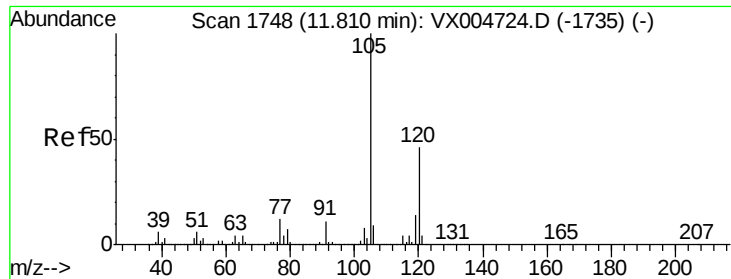
MMDadoda  
10/10/2018 2:08:05 PM



#83  
tert-Butylbenzene  
Concen: 51.696 ug/l  
RT: 11.77 min Scan# 1742  
Delta R.T. -0.00 min  
Lab File: VX005178.D  
Acq: 09 Oct 2018 23:51

Tgt Ion: 119 Resp: 417883  
Ion Ratio Lower Upper  
119 100  
91 55.3 27.5 82.5  
134 22.9 11.5 34.4





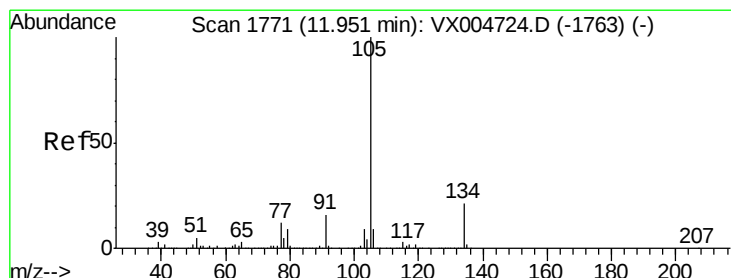
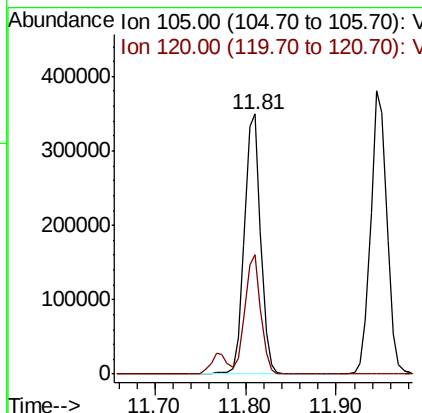
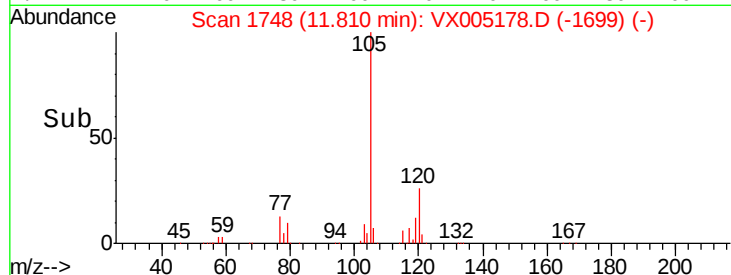
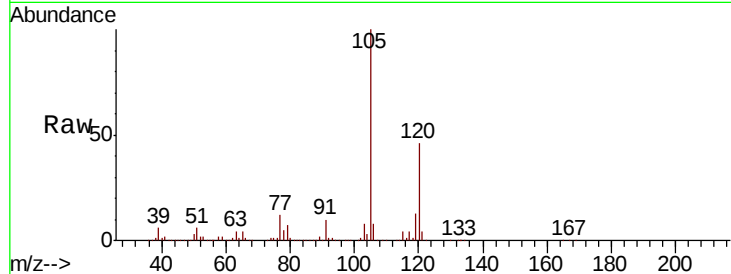
#84  
 1,2,4-Trimethylbenzene  
 Concen: 46.736 ug/l  
 RT: 11.81 min Scan# 1748  
 Delta R.T. -0.00 min  
 Lab File: VX005178.D  
 Acq: 09 Oct 2018 23:51

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-TW513-1014MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 44.4  | 22.8  | 68.3  |

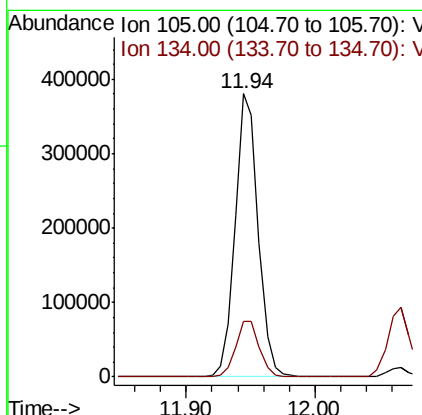
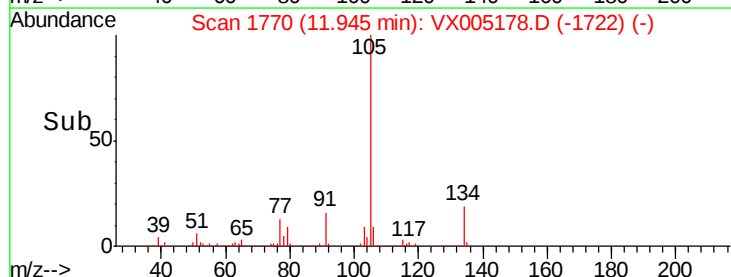
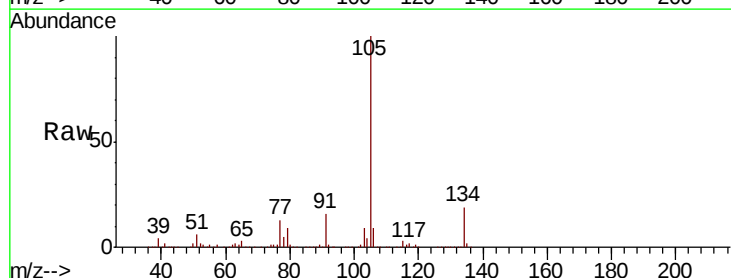
Manual Integrations  
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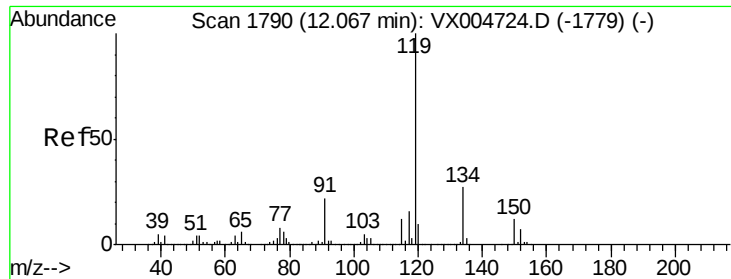
MMDadoda  
 10/10/2018 2:08:05 PM



#85  
 sec-Butylbenzene  
 Concen: 47.936 ug/l  
 RT: 11.94 min Scan# 1770  
 Delta R.T. -0.01 min  
 Lab File: VX005178.D  
 Acq: 09 Oct 2018 23:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 20.3  | 10.2  | 30.4  |





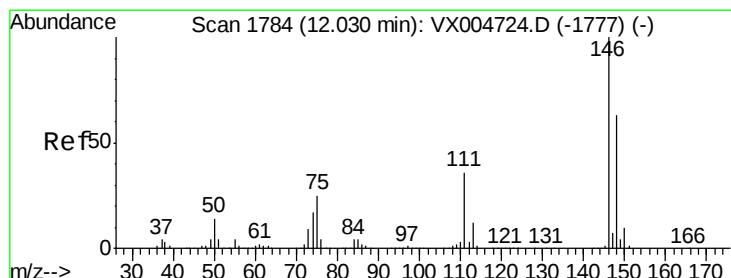
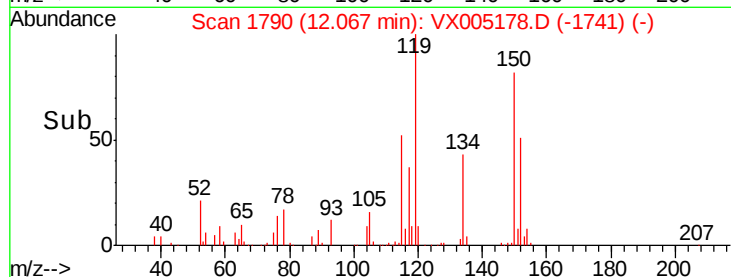
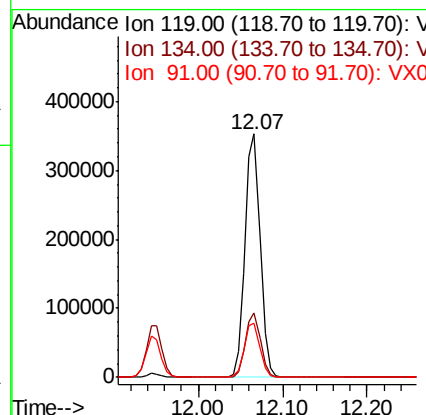
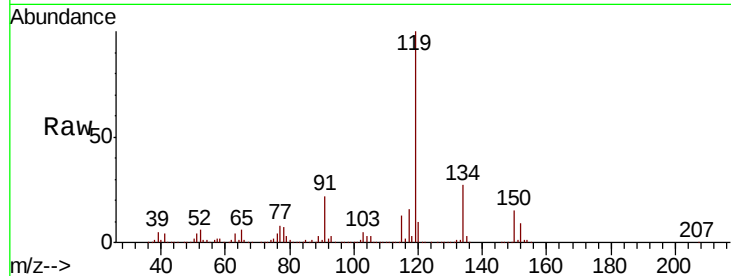
#86  
p-Isopropyltoluene  
Concen: 47.241 ug/l  
RT: 12.07 min Scan# 1790  
Delta R.T. -0.00 min  
Lab File: VX005178.D  
Acq: 09 Oct 2018 23:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-TW513-1014MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 421416 |       |       |
| 134     | 26.3  |        | 13.4  | 40.1  |
| 91      | 22.8  |        | 11.5  | 34.4  |

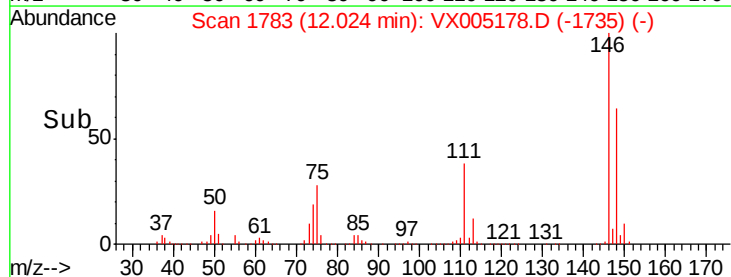
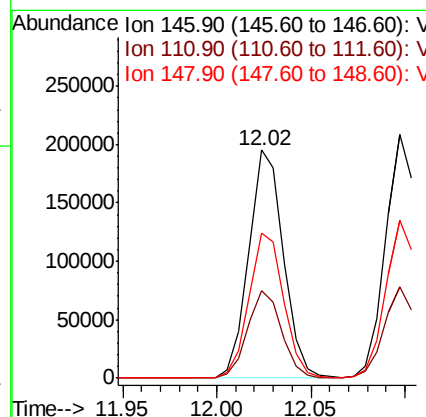
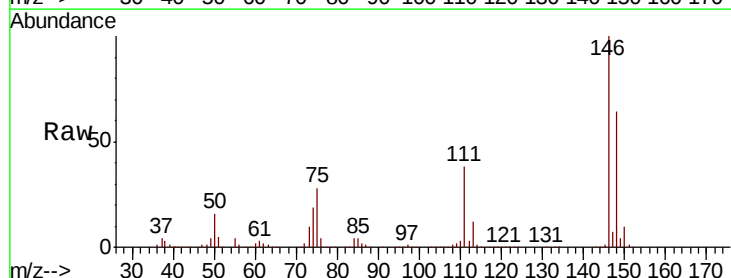
Manual Integrations  
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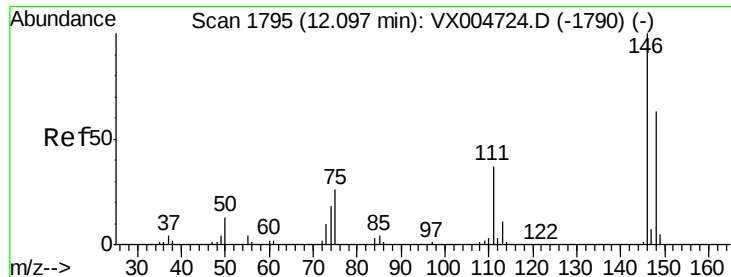
MMDadoda  
10/10/2018 2:08:05 PM



#87  
1,3-Dichlorobenzene  
Concen: 46.794 ug/l  
RT: 12.02 min Scan# 1783  
Delta R.T. -0.01 min  
Lab File: VX005178.D  
Acq: 09 Oct 2018 23:51

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 249178 |       |       |
| 111     | 37.8  |        | 18.9  | 56.9  |
| 148     | 63.9  |        | 31.8  | 95.3  |





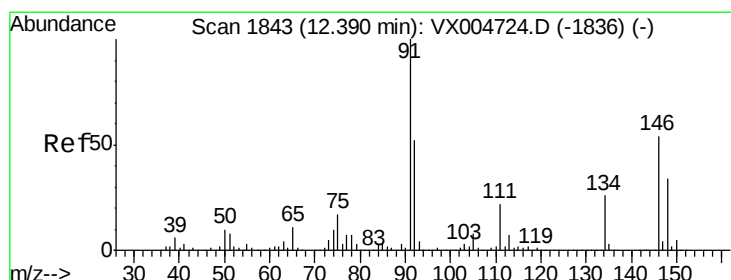
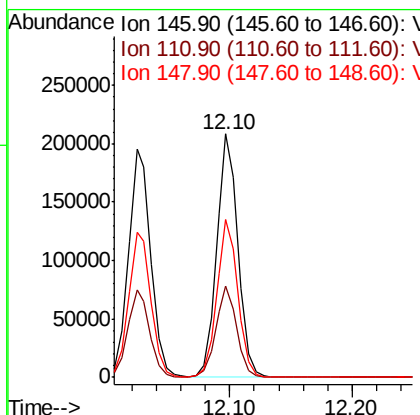
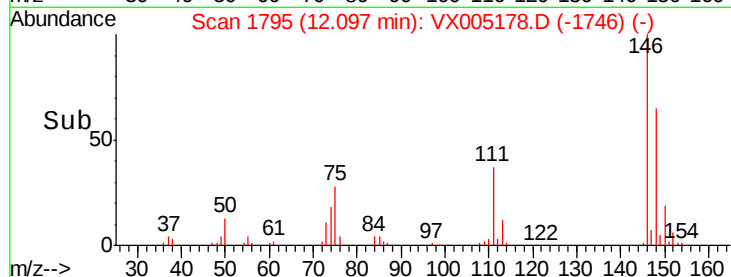
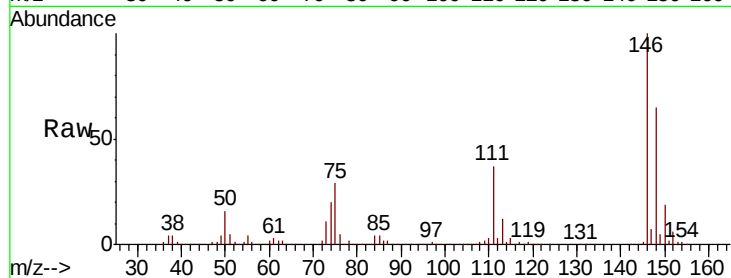
#88  
 1,4-Dichlorobenzene  
 Concen: 45.731 ug/l  
 RT: 12.10 min Scan# 1795  
 Delta R.T. -0.00 min  
 Lab File: VX005178.D  
 Acq: 09 Oct 2018 23:51

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-TW513-1014MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.2  | 18.4  | 55.2  |
| 148     | 64.3  | 32.0  | 96.0  |

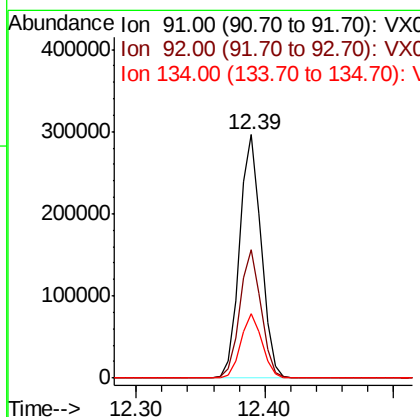
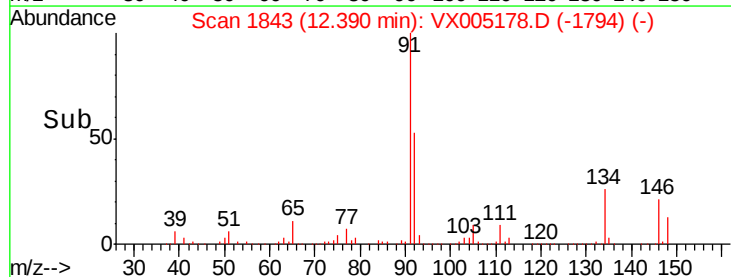
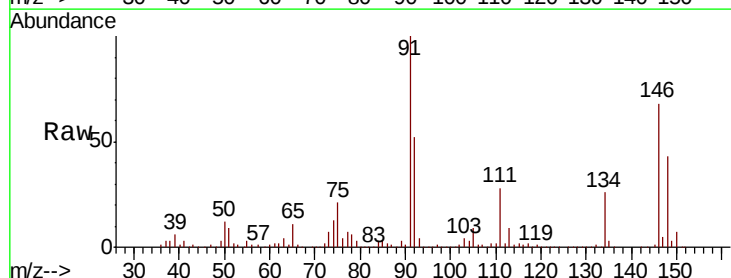
Manual Integrations  
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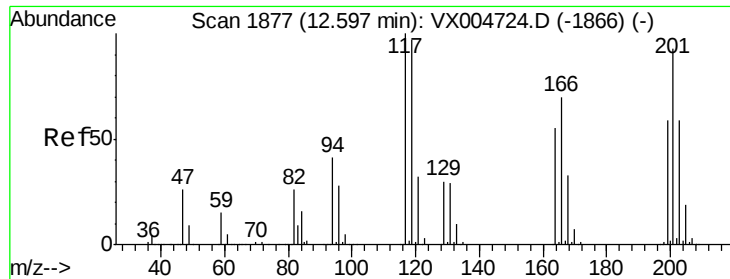
MMDadoda  
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#89  
 n-Butylbenzene  
 Concen: 42.396 ug/l  
 RT: 12.39 min Scan# 1843  
 Delta R.T. 0.00 min  
 Lab File: VX005178.D  
 Acq: 09 Oct 2018 23:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 51.8  | 26.0  | 78.0  |
| 134     | 26.0  | 13.2  | 39.6  |





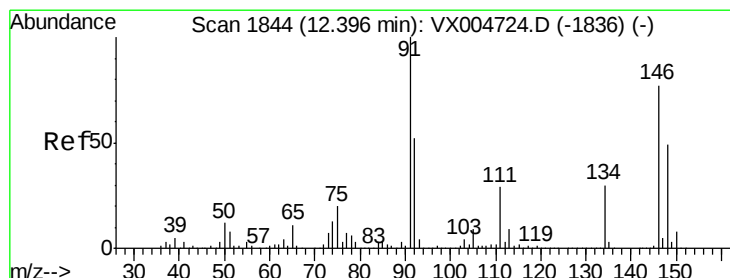
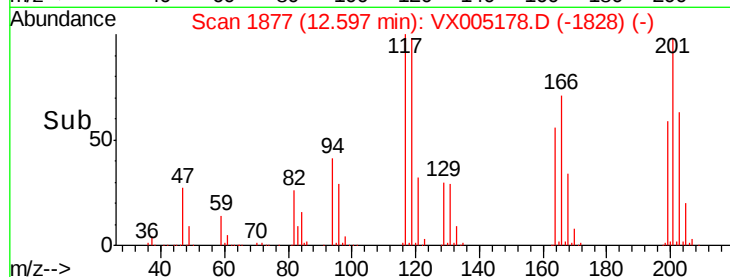
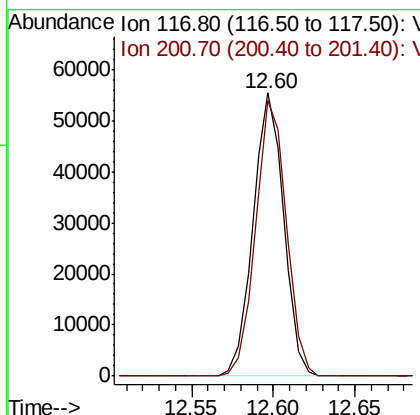
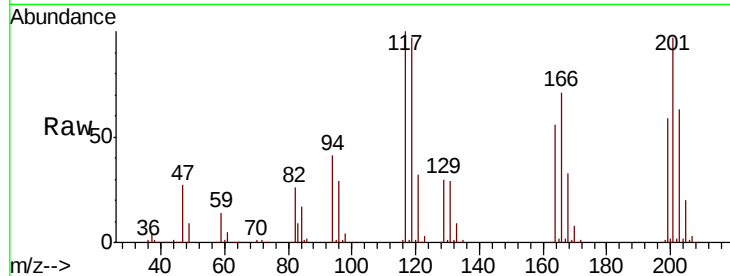
#90  
Hexachloroethane  
Concen: 48.496 ug/l  
RT: 12.60 min Scan# 1877  
Delta R.T. 0.00 min  
Lab File: VX005178.D  
Acq: 09 Oct 2018 23:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-TW513-1014MS

Tot Ion:117 Resp: 72029  
Ion Ratio Lower Upper  
117 100  
201 97.7 48.4 145.0

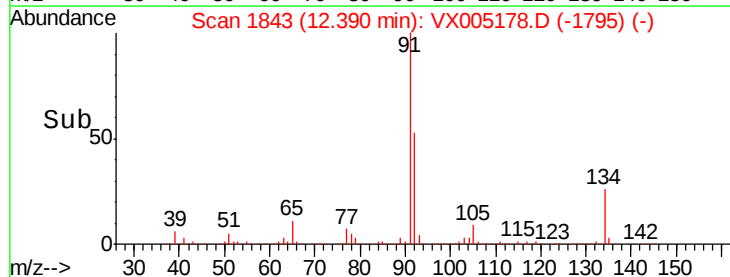
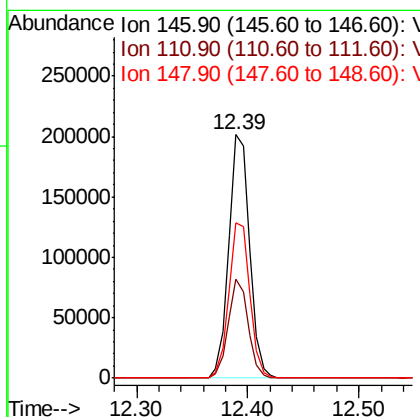
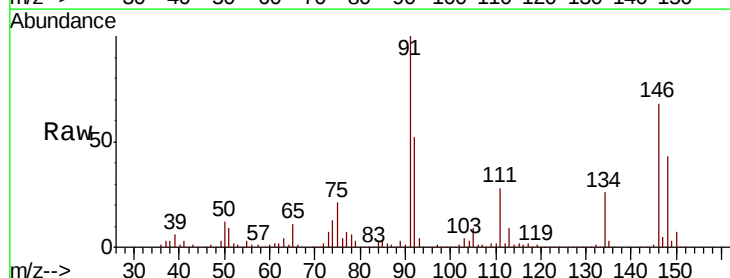
Manual Integrations  
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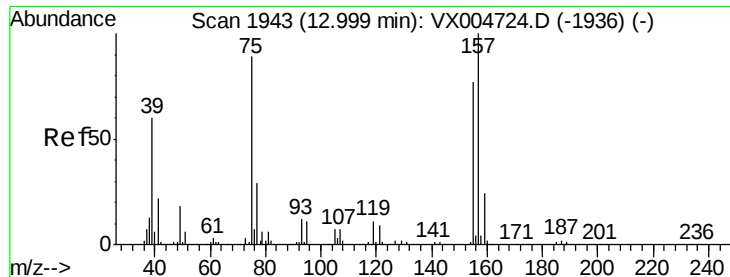
MMDadoda  
10/10/2018 2:08:05 PM



#91  
1,2-Dichlorobenzene  
Concen: 46.667 ug/l  
RT: 12.39 min Scan# 1843  
Delta R.T. -0.01 min  
Lab File: VX005178.D  
Acq: 09 Oct 2018 23:51

Tgt Ion:146 Resp: 259695  
Ion Ratio Lower Upper  
146 100  
111 39.0 19.6 58.7  
148 64.3 31.8 95.4





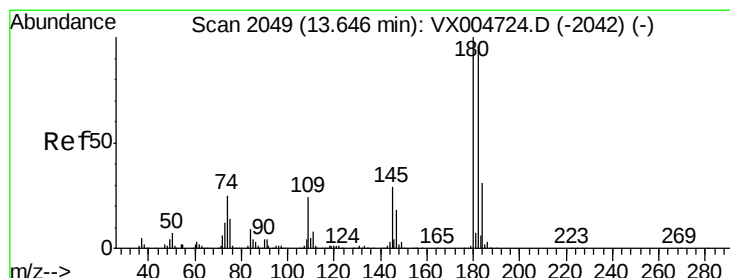
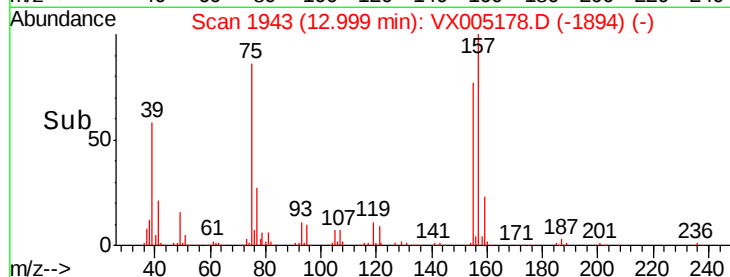
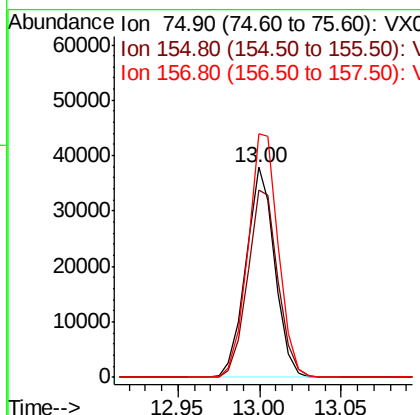
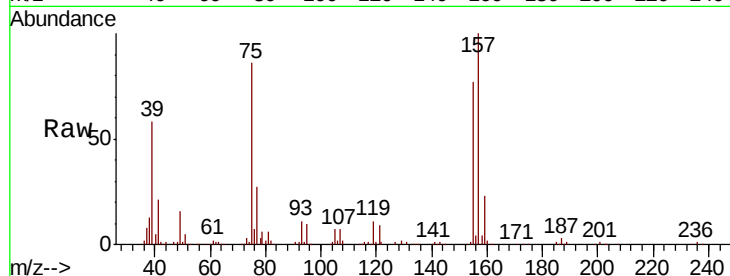
#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 53.323 ug/l  
 RT: 13.00 min Scan# 1943  
 Delta R.T. 0.00 min  
 Lab File: VX005178.D  
 Acq: 09 Oct 2018 23:51

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-TW513-1014MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 93.1  | 46.1  | 138.3 |
| 157     | 121.6 | 60.2  | 180.6 |

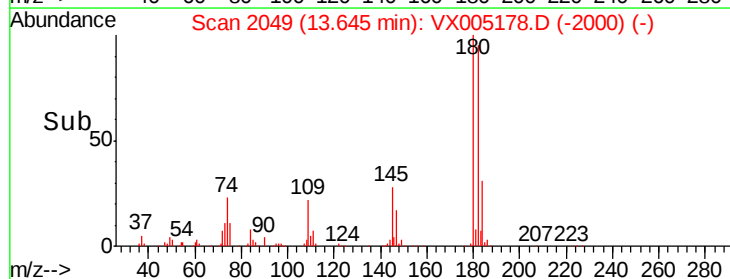
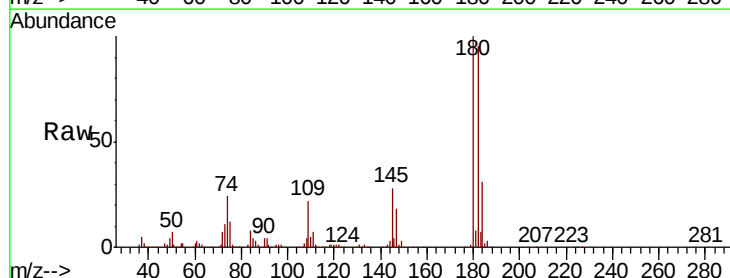
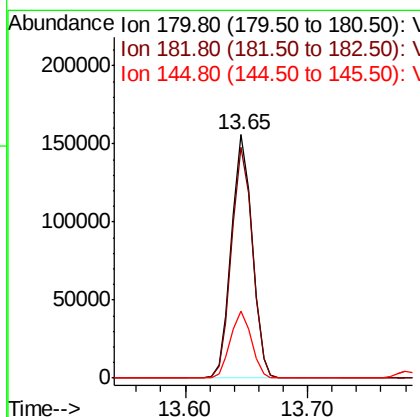
Manual Integrations  
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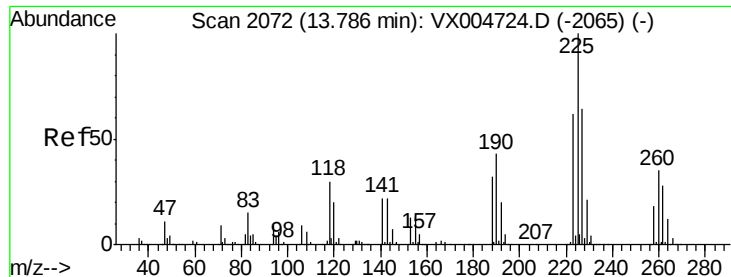
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#93  
 1,2,4-Trichlorobenzene  
 Concen: 46.671 ug/l  
 RT: 13.65 min Scan# 2049  
 Delta R.T. -0.00 min  
 Lab File: VX005178.D  
 Acq: 09 Oct 2018 23:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.6  | 47.8  | 143.4 |
| 145     | 27.8  | 14.1  | 42.4  |





#94

Hexachlorobutadiene

Concen: 37.307 ug/l

RT: 13.79 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VX005178.D

Acq: 09 Oct 2018 23:51

Instrument :

MSVOA\_X

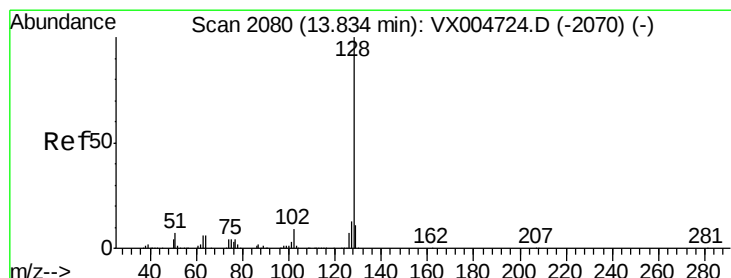
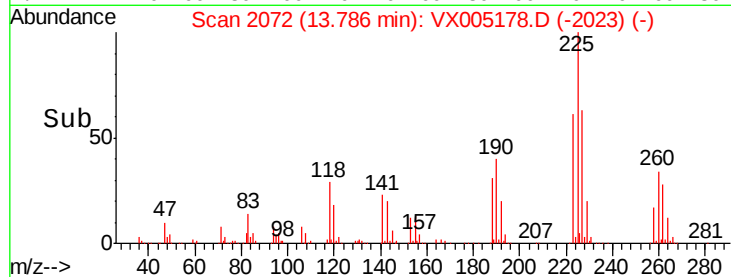
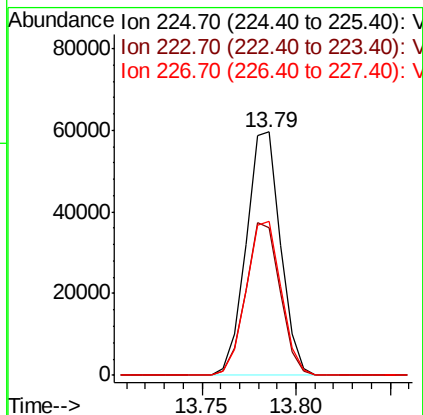
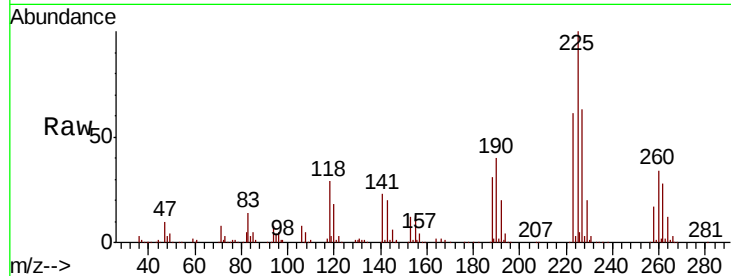
ClientSampleId :

SA-TW513-1014MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 225   | Resp: | 75519 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 62.6  | 31.3  | 93.8  |
| 227       | 64.0  | 31.9  | 95.5  |

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#95

Naphthalene

Concen: 48.622 ug/l

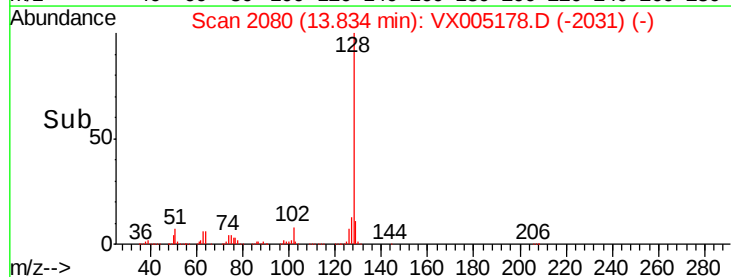
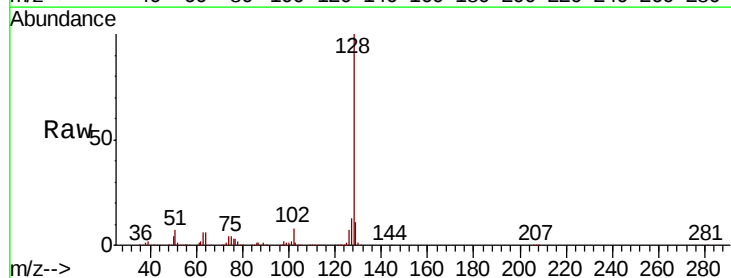
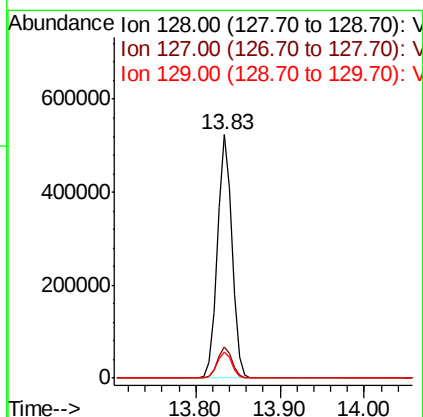
RT: 13.83 min Scan# 2080

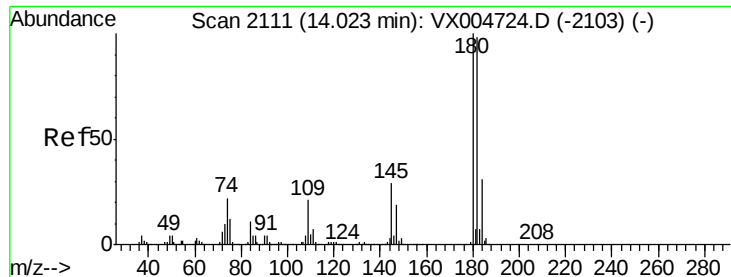
Delta R.T. 0.00 min

Lab File: VX005178.D

Acq: 09 Oct 2018 23:51

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 629710 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.9  | 10.4  | 15.6   |
| 129       | 10.9  | 8.7   | 13.1   |





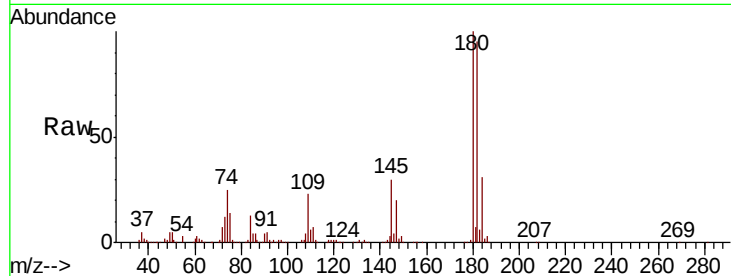
#96  
 1,2,3-Trichlorobenzene  
 Concen: 48.830 ug/l  
 RT: 14.02 min Scan# 2110  
 Delta R.T. -0.01 min  
 Lab File: VX005178.D  
 Acq: 09 Oct 2018 23:51

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-TW513-1014MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 196909 |       |       |
| 182     | 95.8  | 47.9   | 143.8 |       |
| 145     | 29.7  | 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

