

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081018\  
 Data File : VX003967.D  
 Acq On : 10 Aug 2018 10:58  
 Operator : JC/MD  
 Sample : VX0810WBS01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0810WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 8/13/2018 11:02:00 AM

Quant Time: Aug 11 02:09:11 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X080618W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 07 07:45:48 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.66  | 168  | 338074   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 480062   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 445409   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 265385   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.07   | 65  | 220109   | 49.12 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.24%  |      |
| 35) Dibromofluoromethane  | 5.50   | 113 | 183566   | 50.47 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.94% |      |
| 50) Toluene-d8            | 8.71   | 98  | 714416   | 50.51 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.02% |      |
| 62) 4-Bromofluorobenzene  | 11.14  | 95  | 247523   | 54.09 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 108.18% |      |

## Target Compounds

|                               |      |     |         |       |      | Qvalue |
|-------------------------------|------|-----|---------|-------|------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 65371   | 19.08 | ug/l | 98     |
| 3) Chloromethane              | 1.32 | 50  | 76077   | 16.32 | ug/l | 99     |
| 4) Vinyl Chloride             | 1.40 | 62  | 84487   | 18.18 | ug/l | 100    |
| 5) Bromomethane               | 1.64 | 94  | 46000   | 15.89 | ug/l | 98     |
| 6) Chloroethane               | 1.72 | 64  | 59443   | 19.99 | ug/l | 98     |
| 7) Trichlorofluoromethane     | 1.93 | 101 | 117240  | 19.10 | ug/l | 98     |
| 8) Diethyl Ether              | 2.19 | 74  | 51242   | 18.57 | ug/l | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.39 | 101 | 73651   | 19.20 | ug/l | 100    |
| 10) Methyl Iodide             | 2.51 | 142 | 52705   | 11.04 | ug/l | 100    |
| 11) Tert butyl alcohol        | 3.06 | 59  | 90637   | 84.17 | ug/l | 98     |
| 12) 1,1-Dichloroethene        | 2.37 | 96  | 67521   | 18.61 | ug/l | 96     |
| 13) Acrolein                  | 2.29 | 56  | 40571   | 68.38 | ug/l | 100    |
| 14) Allyl chloride            | 2.73 | 41  | 128726  | 18.40 | ug/l | 98     |
| 15) Acrylonitrile             | 3.15 | 53  | 222934  | 86.76 | ug/l | 99     |
| 16) Acetone                   | 2.44 | 43  | 242875  | 91.10 | ug/l | 99     |
| 17) Carbon Disulfide          | 2.57 | 76  | 182785  | 18.06 | ug/l | 99     |
| 18) Methyl Acetate            | 2.78 | 43  | 107609  | 18.54 | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 3.20 | 73  | 244329  | 19.00 | ug/l | 100    |
| 20) Methylene Chloride        | 2.85 | 84  | 82242   | 18.42 | ug/l | 99     |
| 21) trans-1,2-Dichloroethene  | 3.17 | 96  | 75721   | 18.38 | ug/l | 95     |
| 22) Diisopropyl ether         | 3.87 | 45  | 239641  | 18.64 | ug/l | 99     |
| 23) Vinyl Acetate             | 3.82 | 43  | 1032652 | 96.52 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 3.70 | 63  | 143379  | 18.77 | ug/l | 99     |
| 25) 2-Butanone                | 4.70 | 43  | 360790  | 90.00 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 4.58 | 77  | 111628  | 20.27 | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 4.60 | 96  | 86027   | 19.25 | ug/l | 98     |
| 28) Bromochloromethane        | 5.01 | 49  | 62083   | 18.99 | ug/l | 100    |
| 29) Tetrahydrofuran           | 5.15 | 42  | 178604  | 86.69 | ug/l | 100    |
| 30) Chloroform                | 5.21 | 83  | 140662  | 19.56 | ug/l | 99     |
| 31) Cyclohexane               | 5.57 | 56  | 120452  | 18.65 | ug/l | 95     |
| 32) 1,1,1-Trichloroethane     | 5.49 | 97  | 117387  | 19.47 | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 5.80 | 75  | 105033  | 19.53 | ug/l | 100    |
| 37) Ethyl Acetate             | 4.85 | 43  | 107687  | 18.21 | ug/l | 100    |
| 38) Carbon Tetrachloride      | 5.78 | 117 | 102577  | 20.04 | ug/l | 97     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081018\  
 Data File : VX003967.D  
 Acq On : 10 Aug 2018 10:58  
 Operator : JC/MD  
 Sample : VX0810WBS01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0810WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 8/13/2018 11:02:00 AM

Quant Time: Aug 11 02:09:11 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X080618W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 07 07:45:48 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 121440   | 19.16  | ug/l   | 98       |
| 40) Benzene                    | 6.14  | 78   | 322322   | 19.96  | ug/l   | 99       |
| 41) Methacrylonitrile          | 5.06  | 41   | 61795    | 18.97  | ug/l   | 98       |
| 42) 1,2-Dichloroethane         | 6.20  | 62   | 110561   | 20.25  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 6.46  | 43   | 164871   | 18.52  | ug/l   | 100      |
| 44) Trichloroethene            | 7.21  | 130  | 85842    | 19.44  | ug/l   | 94       |
| 45) 1,2-Dichloropropane        | 7.51  | 63   | 79778    | 19.14  | ug/l   | 99       |
| 46) Dibromomethane             | 7.66  | 93   | 52477    | 19.39  | ug/l   | 99       |
| 47) Bromodichloromethane       | 7.90  | 83   | 101500   | 19.91  | ug/l   | 100      |
| 48) Methyl methacrylate        | 7.77  | 41   | 83931    | 18.55  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 7.75  | 88   | 39903    | 374.39 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone       | 8.65  | 43   | 693335   | 93.98  | ug/l   | 100      |
| 52) Toluene                    | 8.79  | 92   | 206579   | 20.25  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 112160   | 19.46  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 8.44  | 75   | 124647   | 20.06  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 82376    | 19.76  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 9.18  | 69   | 114900   | 19.00  | ug/l   | 100      |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 138456   | 19.85  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 8.31  | 63   | 292989   | 98.51  | ug/l   | 100      |
| 59) 2-Hexanone                 | 9.49  | 43   | 530596   | 96.22  | ug/l   | 99       |
| 60) Dibromochloromethane       | 9.59  | 129  | 80638    | 20.75  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 85637    | 20.52  | ug/l   | 99       |
| 64) Tetrachloroethene          | 9.34  | 164  | 81877    | 18.69  | ug/l   | 93       |
| 65) Chlorobenzene              | 10.14 | 112  | 226839   | 19.57  | ug/l   | 94       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.22 | 131  | 77797    | 19.53  | ug/l   | 98       |
| 67) Ethyl Benzene              | 10.25 | 91   | 374566   | 19.74  | ug/l   | 97       |
| 68) m/p-Xylenes                | 10.36 | 106  | 297409   | 40.12  | ug/l   | 100      |
| 69) o-Xylene                   | 10.70 | 106  | 143498   | 20.51  | ug/l   | 96       |
| 70) Styrene                    | 10.71 | 104  | 241747   | 21.10  | ug/l   | 97       |
| 71) Bromoform                  | 10.86 | 173  | 59577    | 19.52  | ug/l # | 99       |
| 73) Isopropylbenzene           | 11.02 | 105  | 386887   | 19.71  | ug/l   | 96       |
| 74) N-amyl acetate             | 6.46  | 43   | 164871   | 16.15  | ug/l # | 100      |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 119914   | 17.82  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 11.30 | 75   | 101589m  | 17.33  | ug/l   |          |
| 77) Bromobenzene               | 11.26 | 156  | 97659    | 18.65  | ug/l   | 99       |
| 78) n-propylbenzene            | 11.36 | 91   | 420016   | 19.05  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 246358   | 18.33  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 304527   | 19.02  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 33288    | 16.98  | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 289775   | 18.40  | ug/l   | 98       |
| 83) tert-Butylbenzene          | 11.77 | 119  | 308700   | 19.60  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 325331   | 20.21  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.95 | 105  | 374035   | 20.12  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 12.07 | 119  | 341170   | 20.46  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 185619   | 19.17  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 188040   | 20.10  | ug/l   | 98       |
| 89) n-Butylbenzene             | 12.39 | 91   | 275808   | 18.98  | ug/l   | 99       |
| 90) Hexachloroethane           | 12.60 | 117  | 46787    | 17.28  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 177334   | 18.48  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75   | 22437    | 16.28  | ug/l   | 98       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081018\  
Data File : VX003967.D  
Acq On : 10 Aug 2018 10:58  
Operator : JC/MD  
Sample : VX0810WBS01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0810WBS01

Manual Integrations  
APPROVED

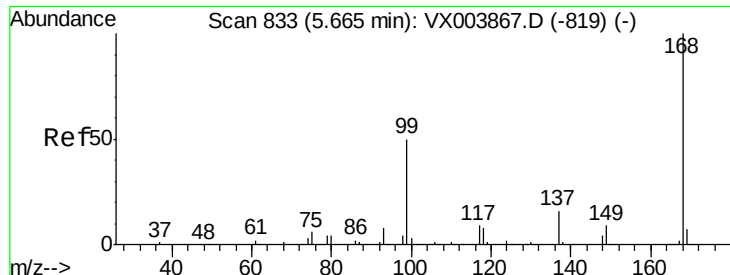
MMDadoda  
8/13/2018 11:02:00 AM

Quant Time: Aug 11 02:09:11 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X080618W.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 07 07:45:48 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180  | 124097   | 17.98 | ug/l  | 97       |
| 94) Hexachlorobutadiene    | 13.79 | 225  | 58684    | 19.54 | ug/l  | 99       |
| 95) Naphthalene            | 13.83 | 128  | 366381   | 18.54 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 133072   | 19.32 | ug/l  | 98       |

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX003967.D

Acq: 10 Aug 2018 10:58

Instrument :

MSVOA\_X

ClientSampled :

VX0810WBS01

Tot Ion:168 Resp: 338074

Ion Ratio Lower Upper

168 100

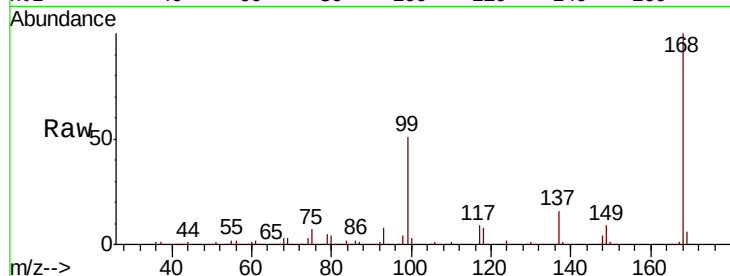
99 50.7 40.1 60.1

Manual Integrations

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8/13/2018 11:02:00 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

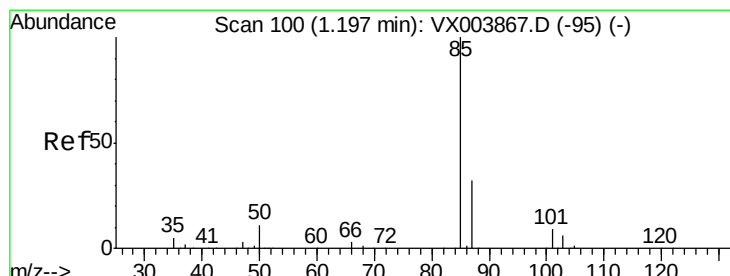
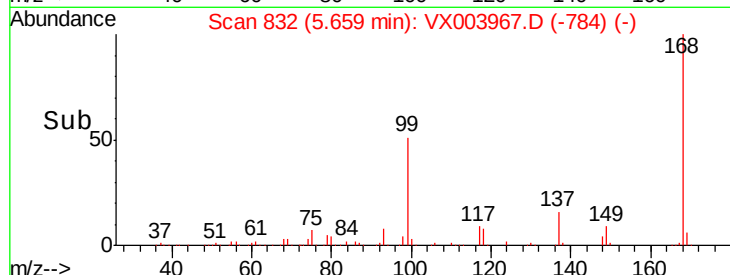
5.66

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 19.08 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX003967.D

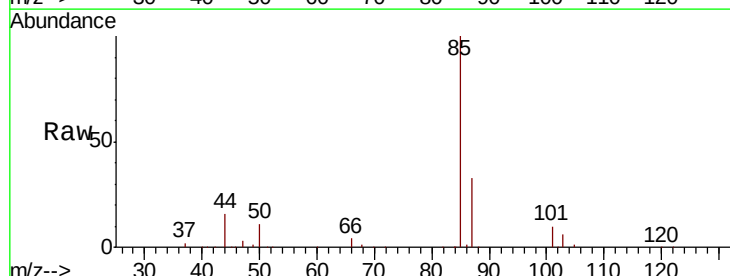
Acq: 10 Aug 2018 10:58

Tgt Ion: 85 Resp: 65371

Ion Ratio Lower Upper

85 100

87 32.9 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

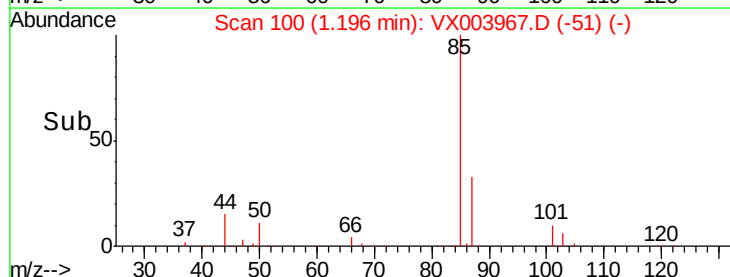
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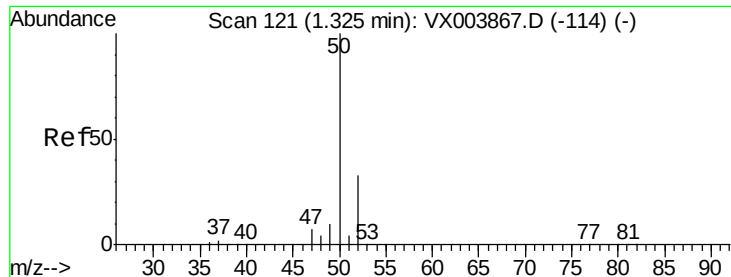
40000

20000

0

Time--> 1.15 1.20 1.25





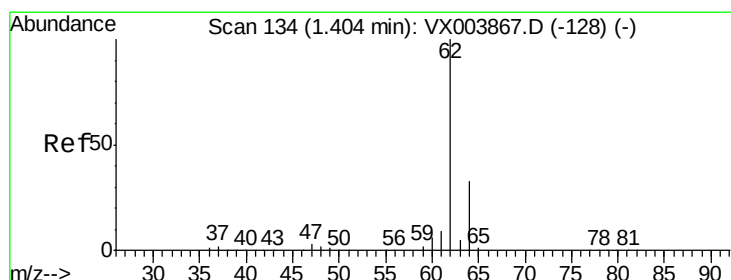
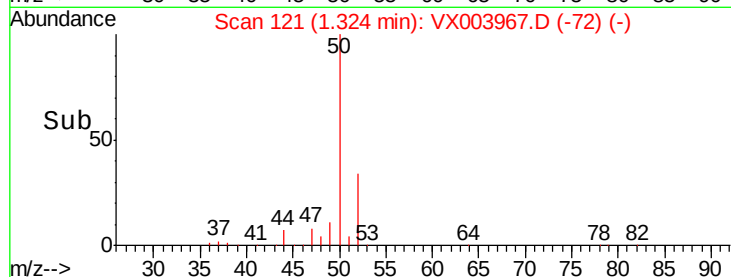
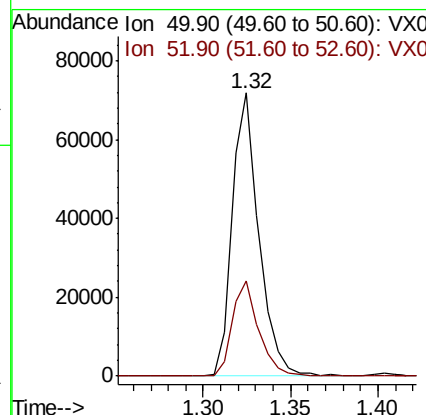
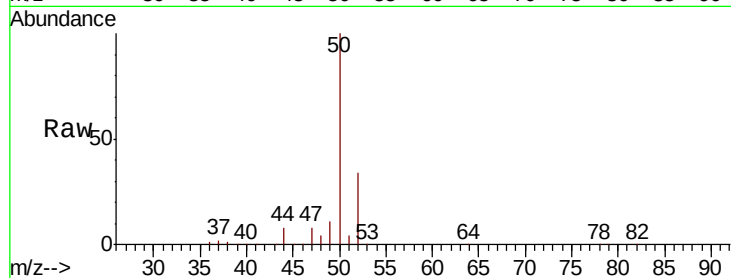
#3  
Chloromethane  
Concen: 16.32 ug/l  
RT: 1.32 min Scan# 121  
Delta R.T. -0.00 min  
Lab File: VX003967.D  
Acq: 10 Aug 2018 10:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0810WBS01

| Tot Ion | 50   | 52 | Ratio | 100 | Resp | 76077 | Lower | Upper |
|---------|------|----|-------|-----|------|-------|-------|-------|
| 50      | 100  |    |       |     |      |       |       |       |
| 52      | 33.7 |    |       |     | 26.6 | 39.8  |       |       |

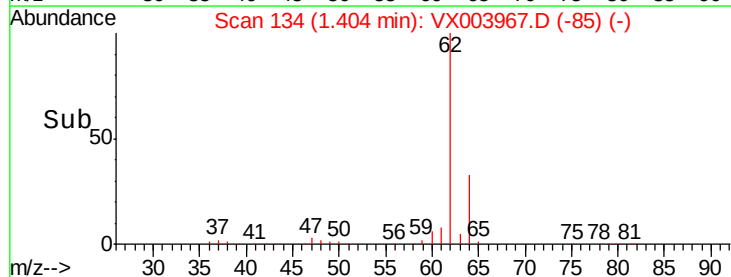
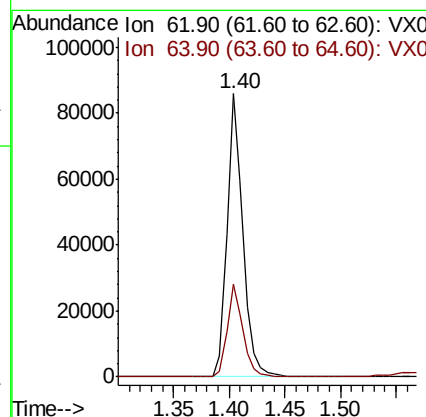
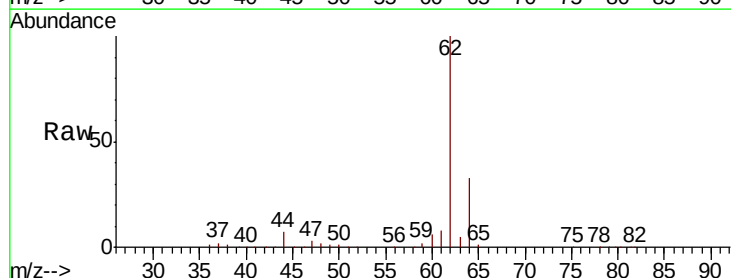
Manual Integrations  
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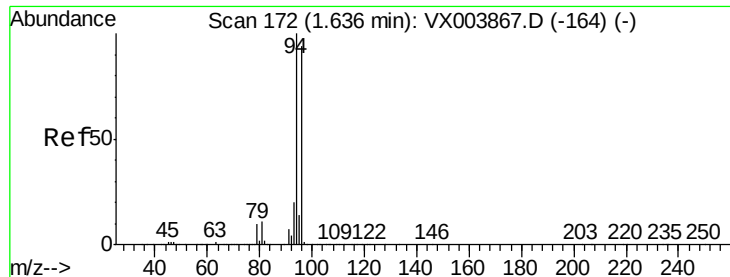
MMDadoda  
8/13/2018 11:02:00 AM



#4  
Vinyl Chloride  
Concen: 18.18 ug/l  
RT: 1.40 min Scan# 134  
Delta R.T. -0.00 min  
Lab File: VX003967.D  
Acq: 10 Aug 2018 10:58

| Tgt Ion | 62   | 64 | Ratio | 100 | Resp | 84487 | Lower | Upper |
|---------|------|----|-------|-----|------|-------|-------|-------|
| 62      | 100  |    |       |     |      |       |       |       |
| 64      | 32.6 |    |       |     | 26.0 | 39.0  |       |       |





#5

Bromomethane

Concen: 15.89 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003967.D

Acq: 10 Aug 2018 10:58

Instrument :

MSVOA\_X

ClientSampleId :

VX0810WBS01

Tot Ion: 94 Resp: 46000

Ion Ratio Lower Upper

94 100

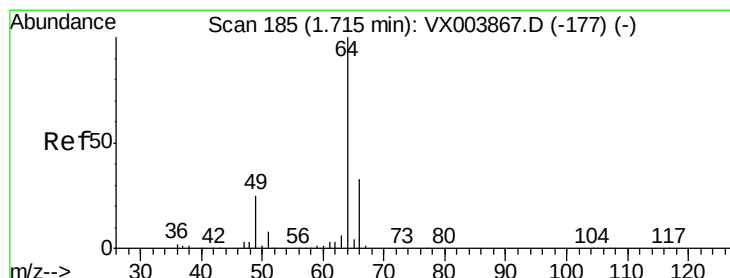
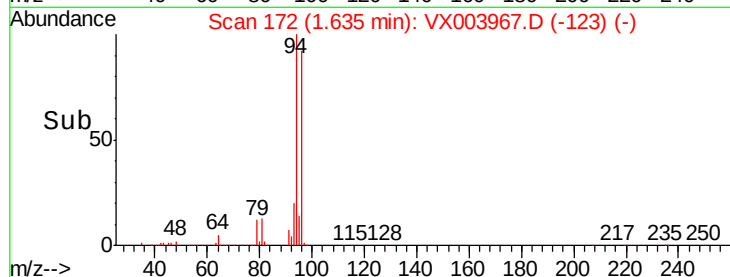
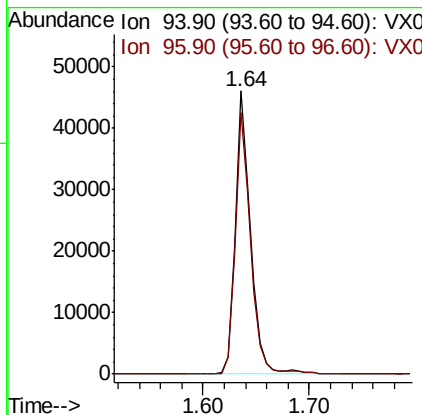
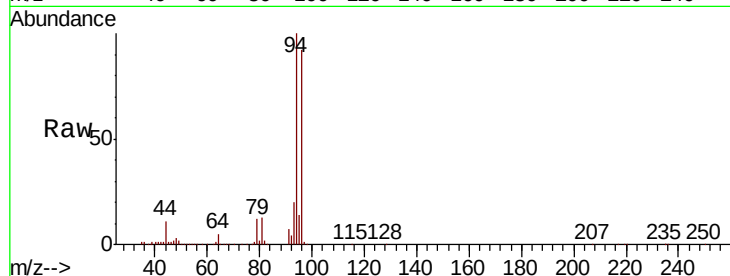
96 92.5 75.2 112.8

Manual Integrations

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8/13/2018 11:02:00 AM



#6

Chloroethane

Concen: 19.99 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003967.D

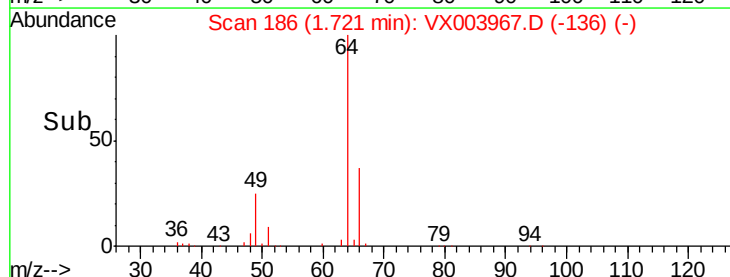
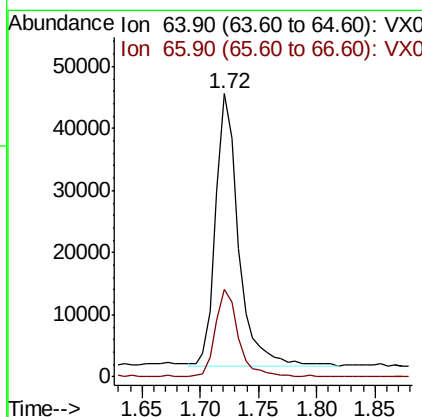
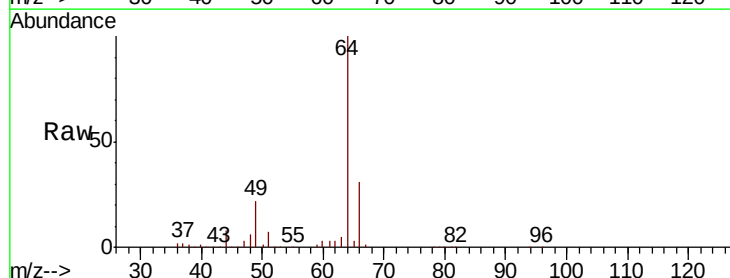
Acq: 10 Aug 2018 10:58

Tgt Ion: 64 Resp: 59443

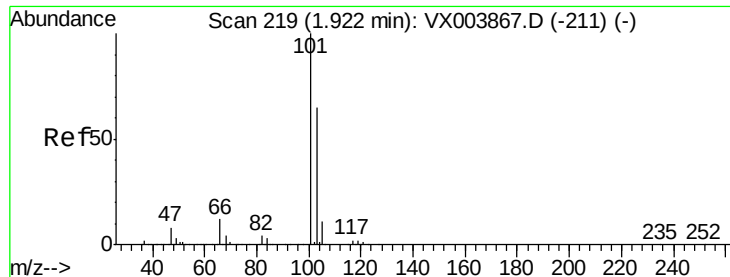
Ion Ratio Lower Upper

64 100

66 32.0 26.5 39.7







#7

Trichlorofluoromethane

Concen: 19.10 ug/l

RT: 1.93 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX003967.D

Acq: 10 Aug 2018 10:58

Instrument :

MSVOA\_X

ClientSampleId :

VX0810WBS01

Tot Ion:101 Resp: 117240

Ion Ratio Lower Upper

101 100

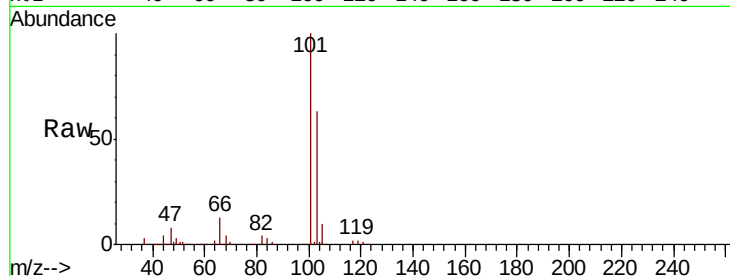
103 63.5 52.3 78.5

Manual Integrations

APPROVED

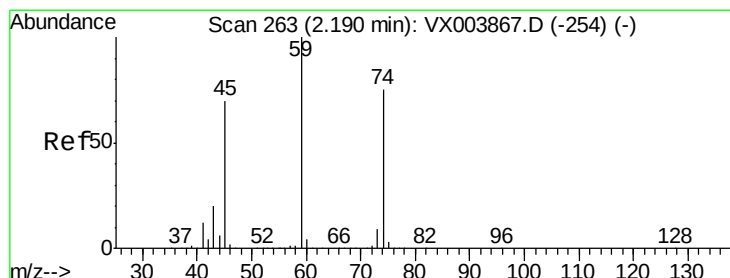
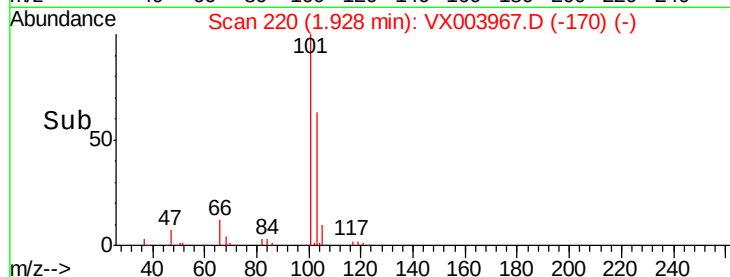
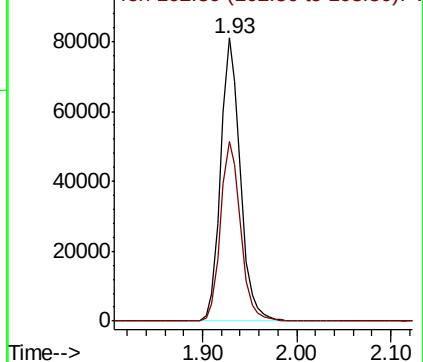
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8/13/2018 11:02:00 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 18.57 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.00 min

Lab File: VX003967.D

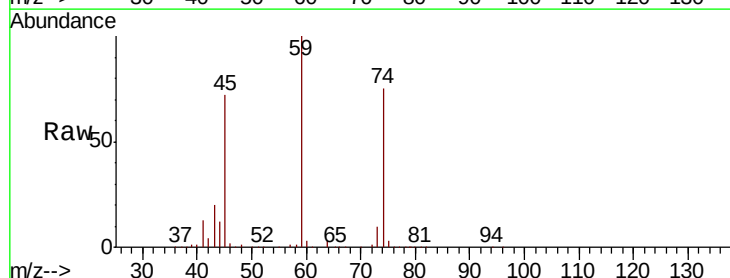
Acq: 10 Aug 2018 10:58

Tgt Ion: 74 Resp: 51242

Ion Ratio Lower Upper

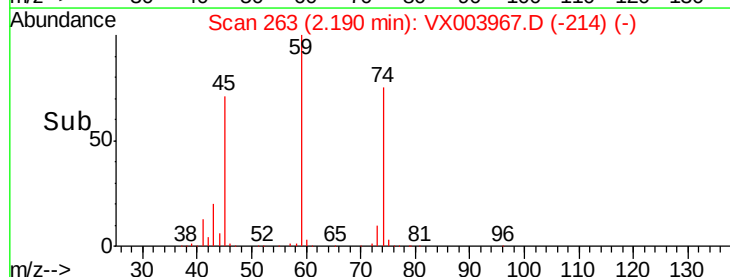
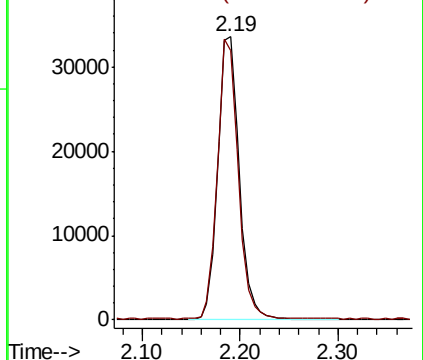
74 100

45 95.5 48.3 144.9

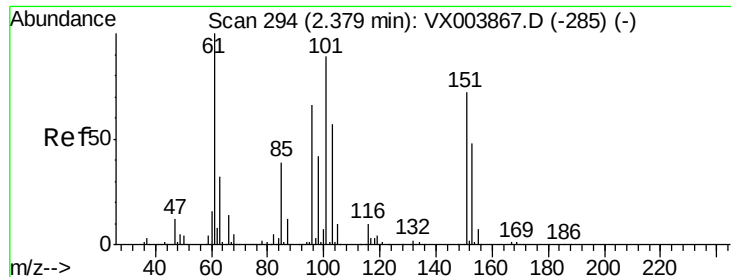


Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0







#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.20 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003967.D

Acq: 10 Aug 2018 10:58

Instrument :

MSVOA\_X

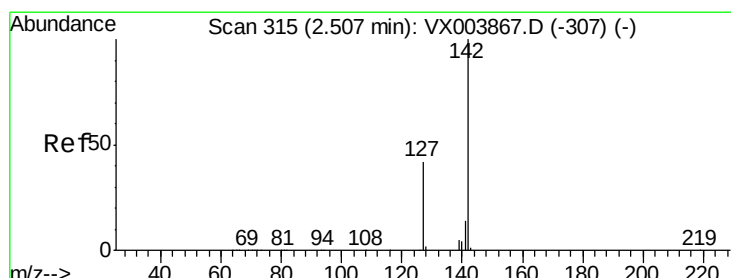
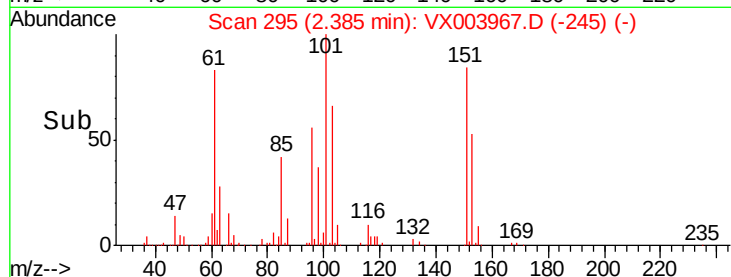
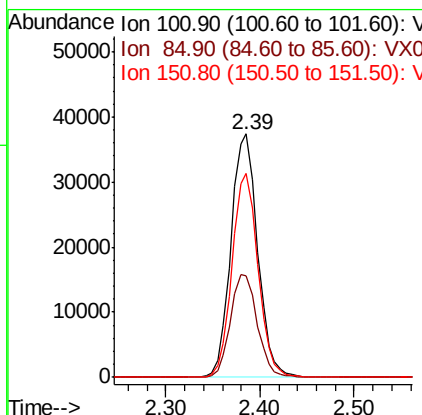
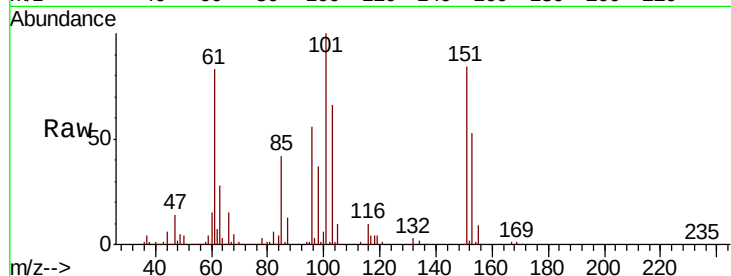
ClientSampleId :

VX0810WBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 73651 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 42.7  | 34.2  | 51.4  |
| 151       | 81.7  | 65.0  | 97.4  |

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#10

Methyl Iodide

Concen: 11.04 ug/l

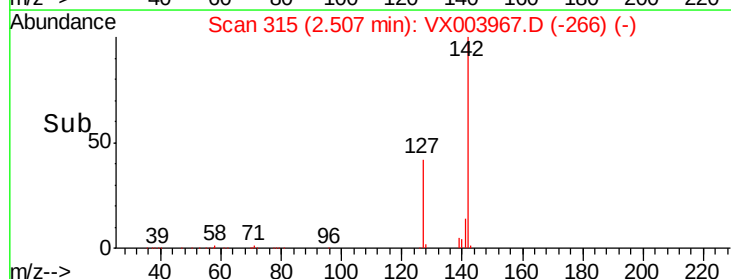
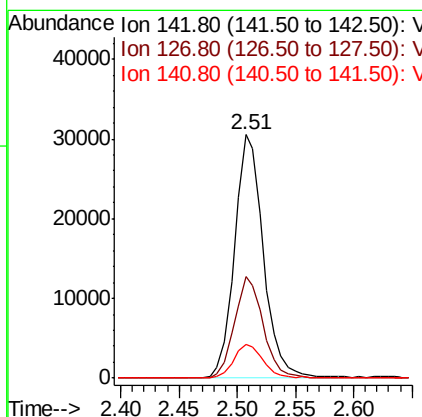
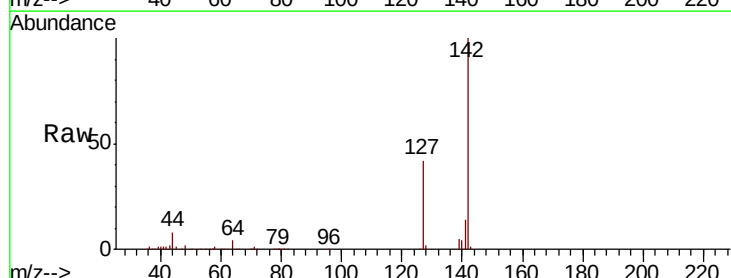
RT: 2.51 min Scan# 315

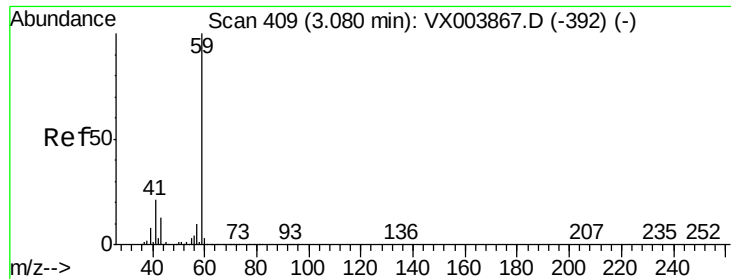
Delta R.T. -0.00 min

Lab File: VX003967.D

Acq: 10 Aug 2018 10:58

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 52705 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 41.3  | 33.1  | 49.7  |
| 141       | 14.1  | 11.1  | 16.7  |





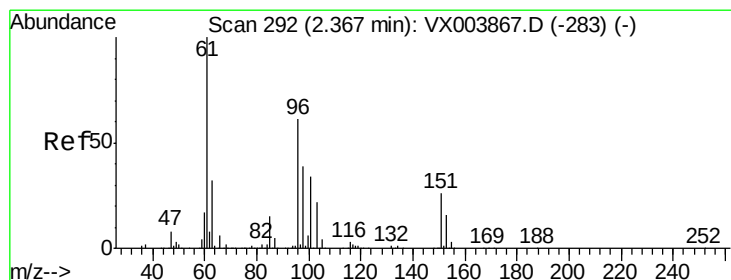
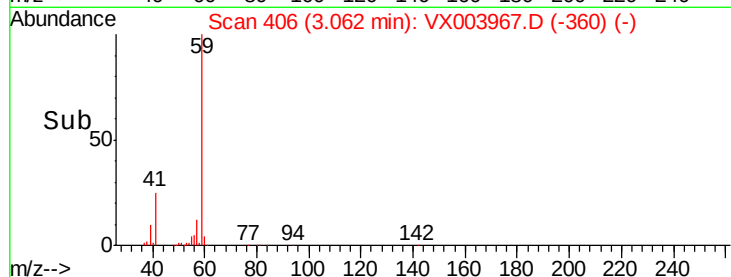
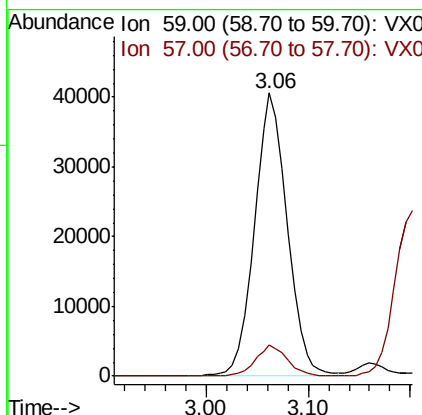
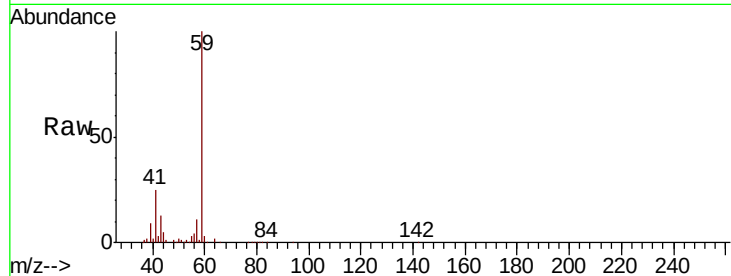
#11  
Tert butyl alcohol  
Concen: 84.17 ug/l  
RT: 3.06 min Scan# 406  
Delta R.T. -0.02 min  
Lab File: VX003967.D  
Acq: 10 Aug 2018 10:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0810WBS01

| Tot Ion | Ion | Ratio | Resp  | Lower | Upper |
|---------|-----|-------|-------|-------|-------|
| 59      | 59  | 100   | 90637 |       |       |
| 57      | 57  | 10.8  |       | 8.1   | 12.1  |

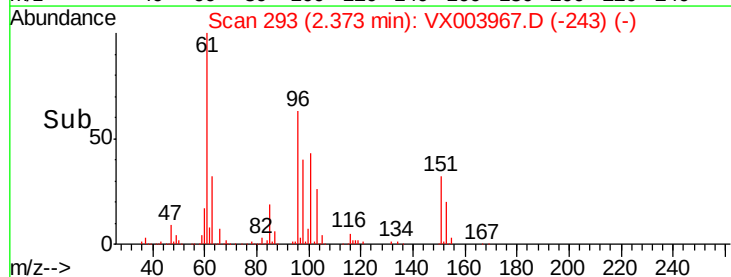
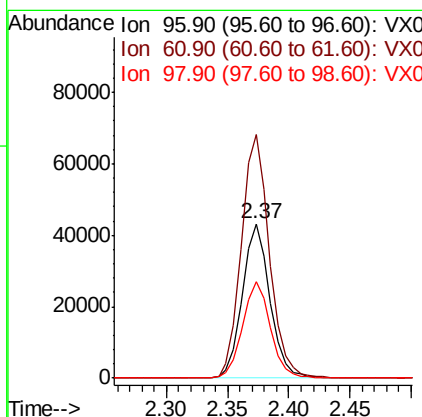
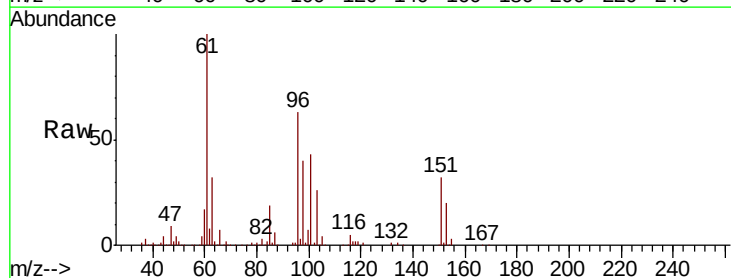
Manual Integrations  
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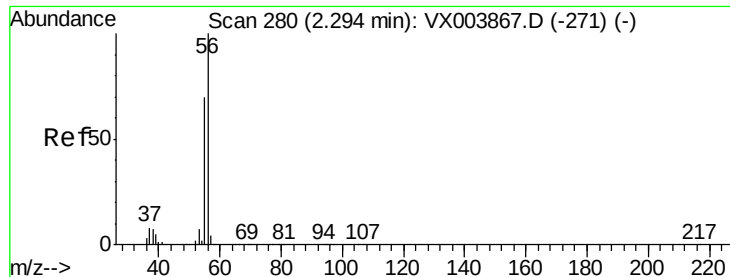
MMDadoda  
8/13/2018 11:02:00 AM



#12  
1,1-Dichloroethene  
Concen: 18.61 ug/l  
RT: 2.37 min Scan# 293  
Delta R.T. 0.01 min  
Lab File: VX003967.D  
Acq: 10 Aug 2018 10:58

| Tgt Ion | Ion | Ratio | Resp  | Lower | Upper |
|---------|-----|-------|-------|-------|-------|
| 96      | 96  | 100   | 67521 |       |       |
| 61      | 61  | 157.9 |       | 131.3 | 196.9 |
| 98      | 98  | 62.9  |       | 51.8  | 77.6  |





#13

Acrolein

Concen: 68.38 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX003967.D

Acq: 10 Aug 2018 10:58

Instrument :

MSVOA\_X

ClientSampleId :

VX0810WBS01

Tot Ion: 56 Resp: 40571

Ion Ratio Lower Upper

56 100

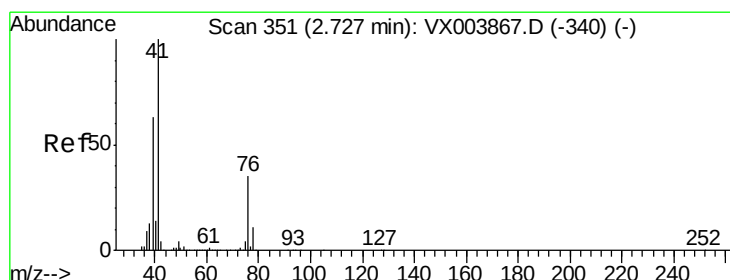
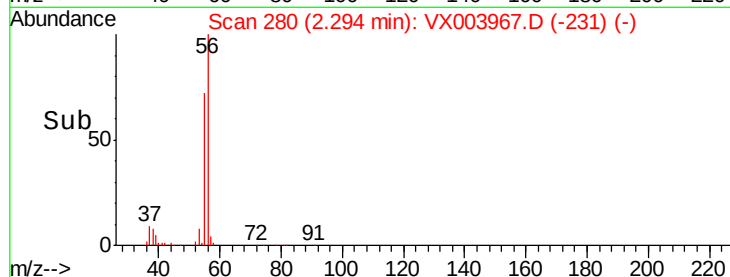
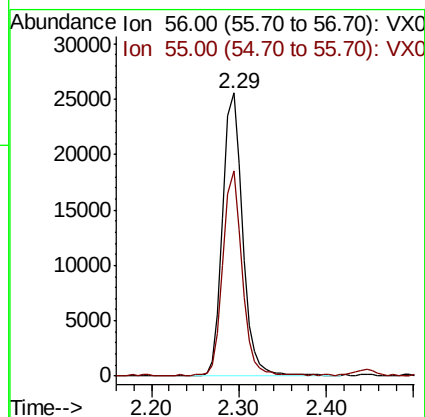
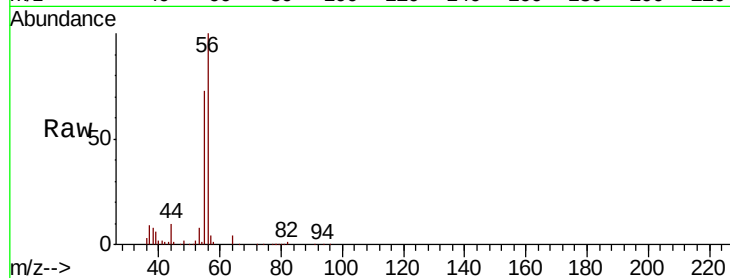
55 70.0 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 18.40 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX003967.D

Acq: 10 Aug 2018 10:58

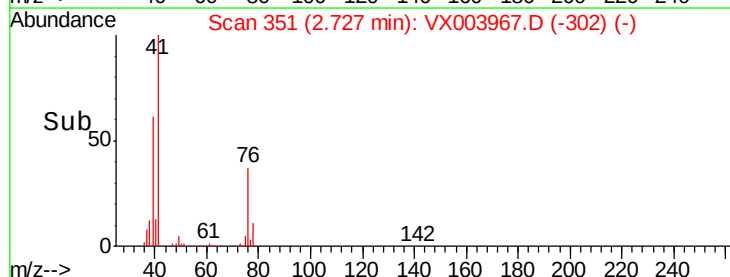
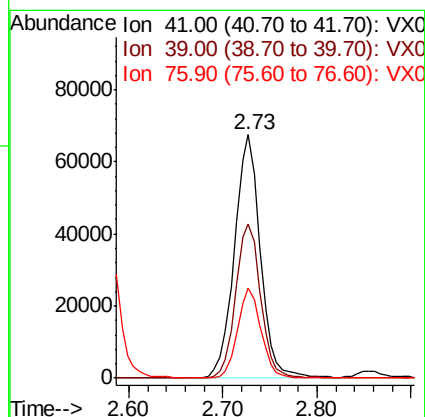
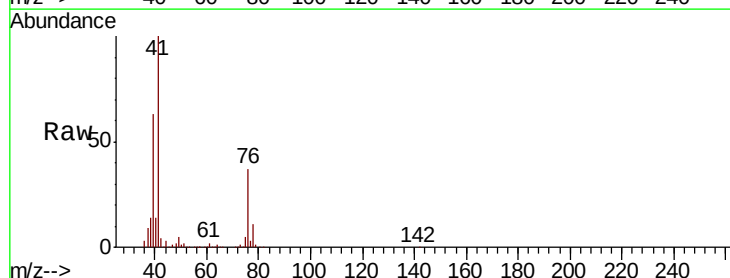
Tgt Ion: 41 Resp: 128726

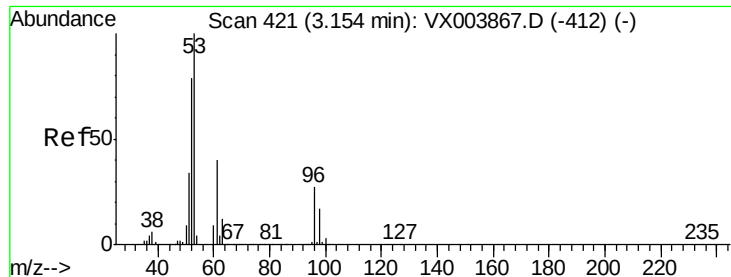
Ion Ratio Lower Upper

41 100

39 61.2 47.4 71.0

76 33.7 26.0 39.0





#15

Acrylonitrile

Concen: 86.76 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003967.D

Acq: 10 Aug 2018 10:58

Instrument :

MSVOA\_X

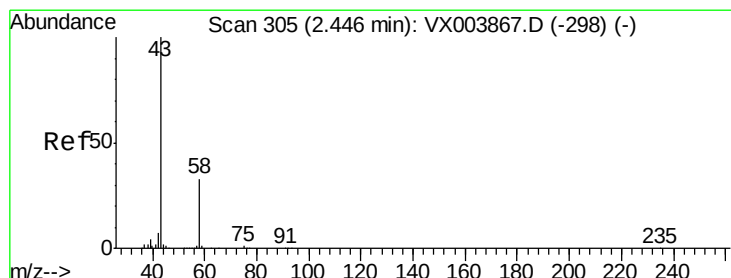
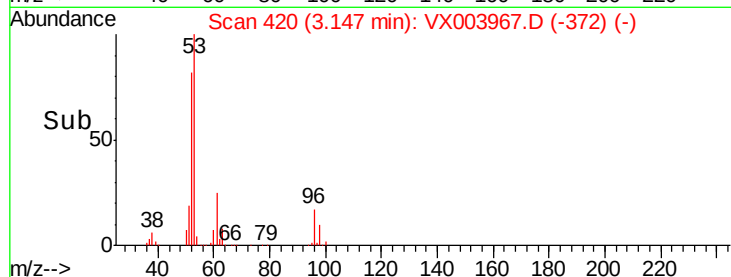
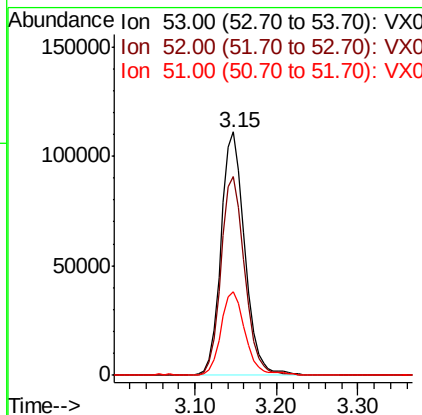
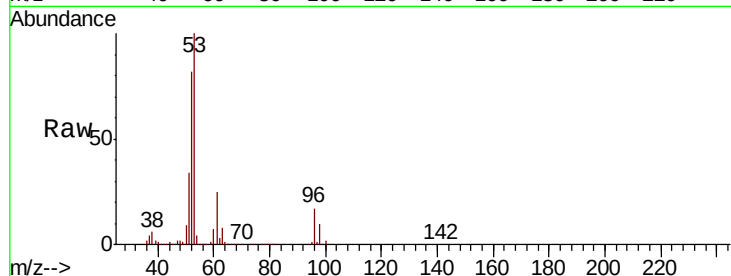
ClientSampled :

VX0810WBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 222934 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 82.1  | 65.3  | 97.9   |
| 51        | 35.7  | 27.9  | 41.9   |

Manual Integrations  
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#16

Acetone

Concen: 91.10 ug/l

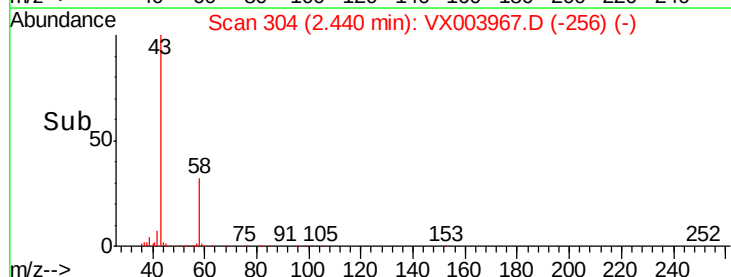
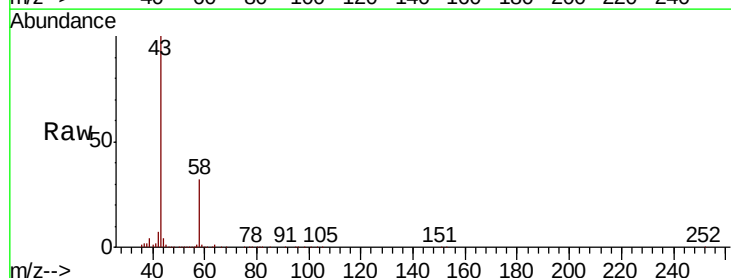
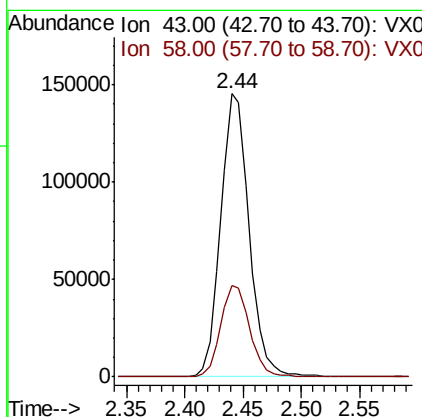
RT: 2.44 min Scan# 304

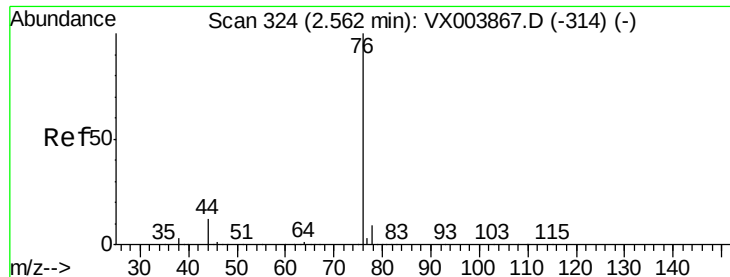
Delta R.T. -0.01 min

Lab File: VX003967.D

Acq: 10 Aug 2018 10:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 242875 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 32.3  | 26.4  | 39.6   |





#17

Carbon Disulfide

Concen: 18.06 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003967.D

Acq: 10 Aug 2018 10:58

Instrument :

MSVOA\_X

ClientSampleId :

VX0810WBS01

Tot Ion: 76 Resp: 182785

Ion Ratio Lower Upper

76 100

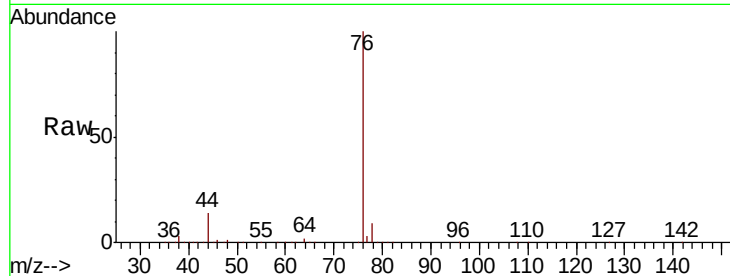
78 8.9 7.5 11.3

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

120000

100000

80000

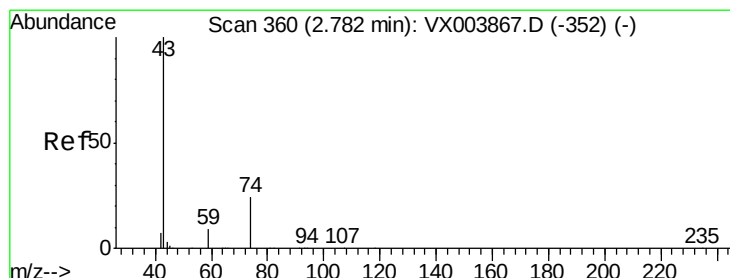
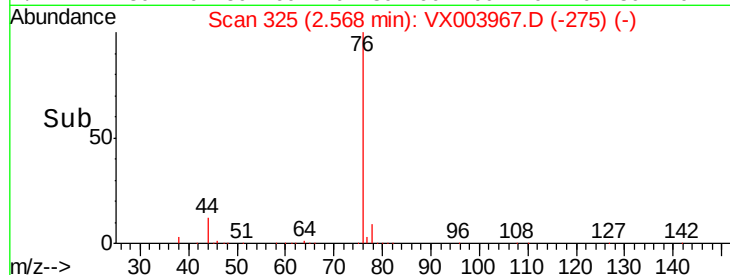
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 18.54 ug/l

RT: 2.78 min Scan# 359

Delta R.T. -0.01 min

Lab File: VX003967.D

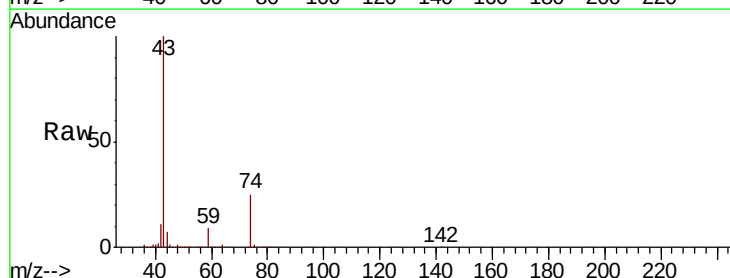
Acq: 10 Aug 2018 10:58

Tgt Ion: 43 Resp: 107609

Ion Ratio Lower Upper

43 100

74 24.3 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

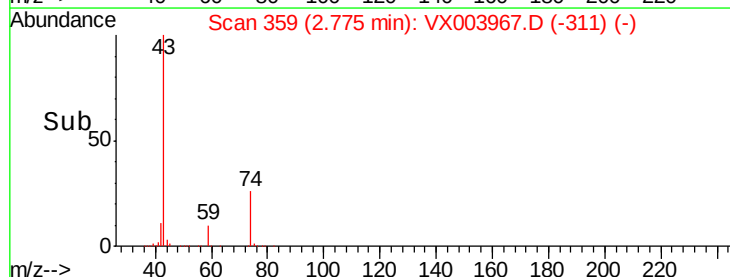
60000

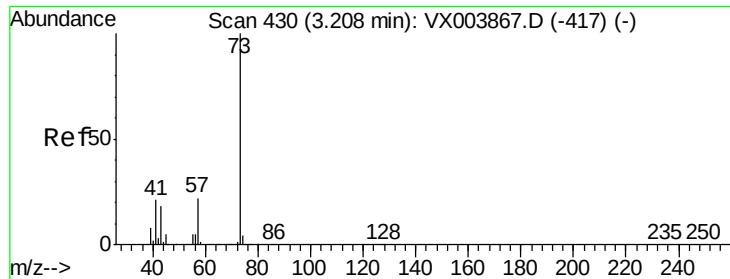
40000

20000

0

Time-->





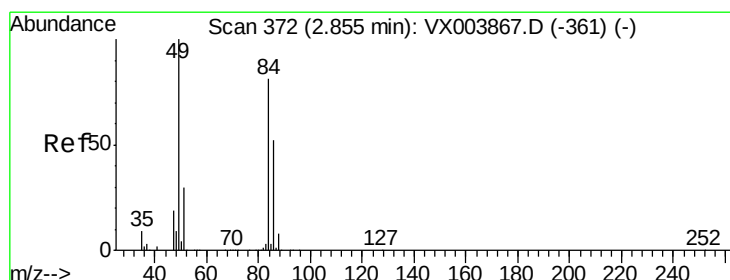
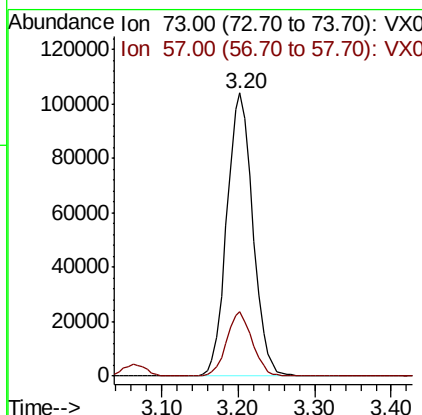
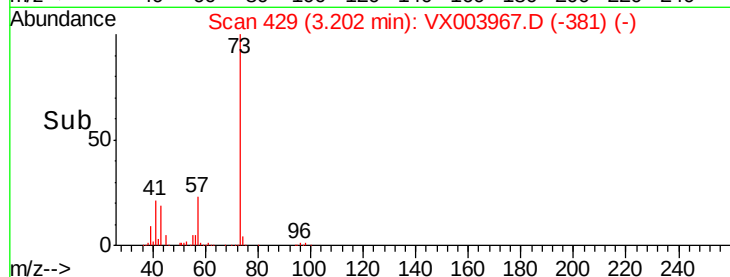
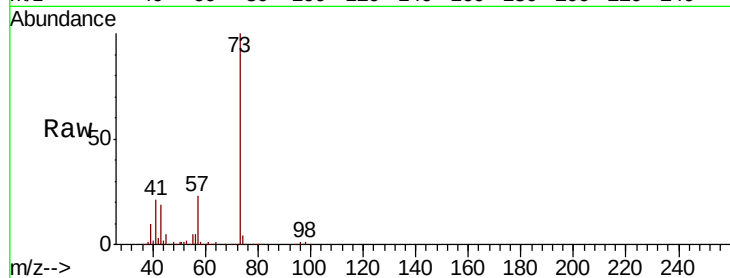
#19  
Methyl tert-butyl Ether  
Concen: 19.00 ug/l  
RT: 3.20 min Scan# 429  
Delta R.T. -0.01 min  
Lab File: VX003967.D  
Acq: 10 Aug 2018 10:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0810WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 22.7  | 18.0  | 27.0  |

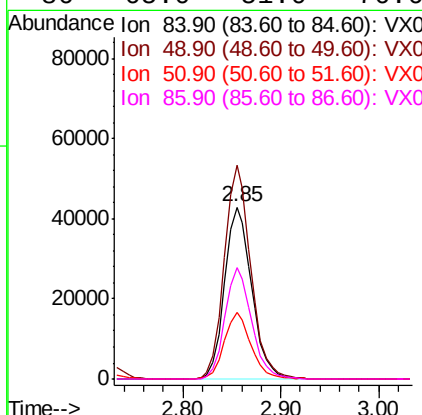
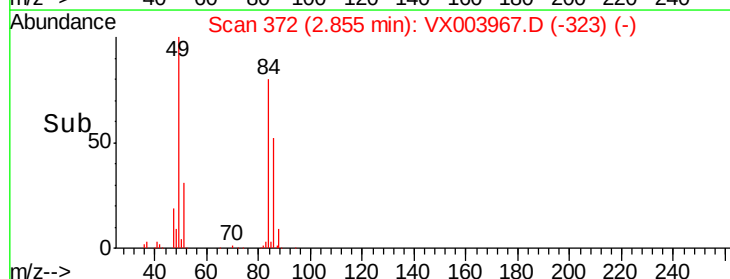
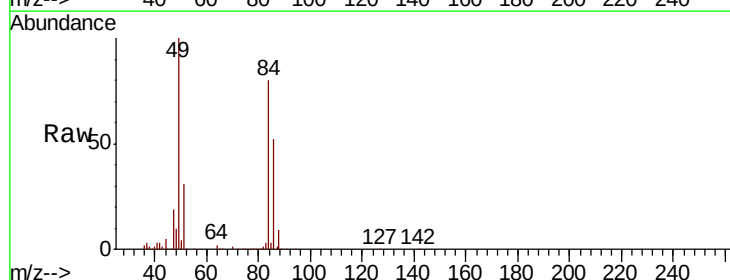
Manual Integrations  
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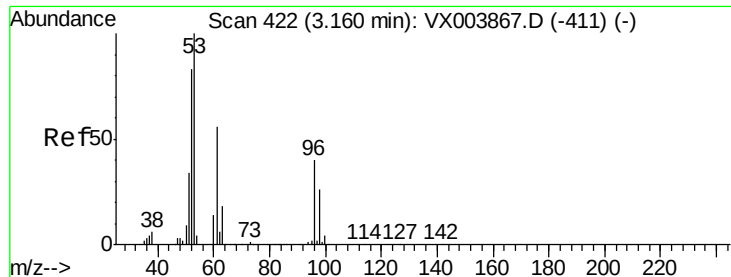
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#20  
Methylene Chloride  
Concen: 18.42 ug/l  
RT: 2.85 min Scan# 372  
Delta R.T. 0.00 min  
Lab File: VX003967.D  
Acq: 10 Aug 2018 10:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 124.5 | 98.9  | 148.3 |
| 51      | 39.0  | 29.9  | 44.9  |
| 86      | 65.0  | 51.0  | 76.6  |





#21

trans-1,2-Dichloroethene

Concen: 18.38 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX003967.D

Acq: 10 Aug 2018 10:58

Instrument :

MSVOA\_X

ClientSampleId :

VX0810WBS01

Tot Ion: 96 Resp: 75721

Ion Ratio Lower Upper

96 100

61 132.6 111.8 167.6

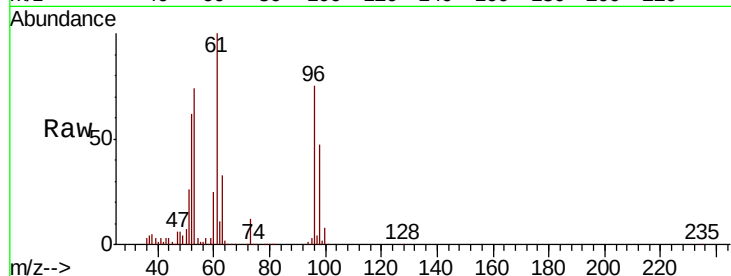
98 62.0 51.8 77.6

Manual Integrations

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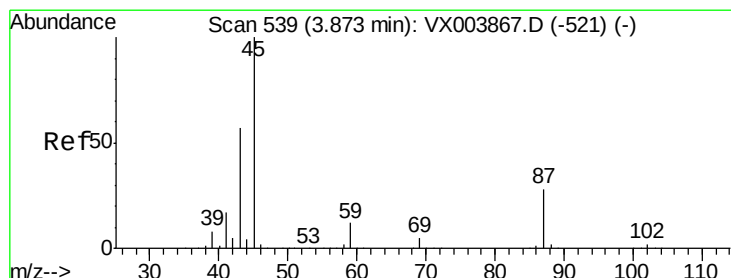
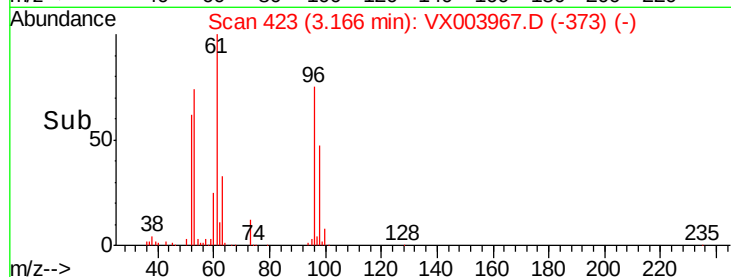
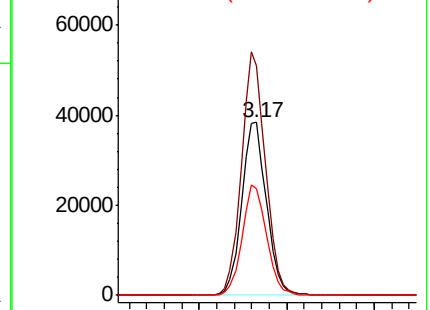
8/13/2018 11:02:00 AM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 18.64 ug/l

RT: 3.87 min Scan# 538

Delta R.T. -0.01 min

Lab File: VX003967.D

Acq: 10 Aug 2018 10:58

Tgt Ion: 45 Resp: 239641

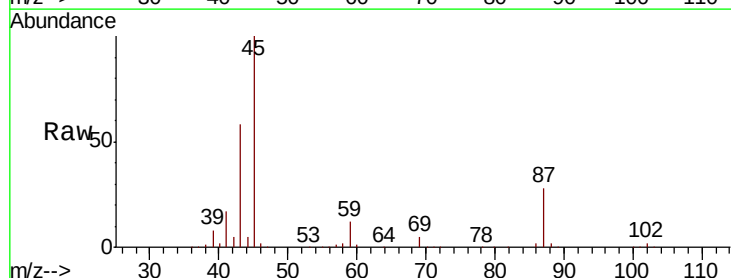
Ion Ratio Lower Upper

45 100

43 57.9 45.3 67.9

87 28.2 22.7 34.1

59 12.2 9.6 14.4

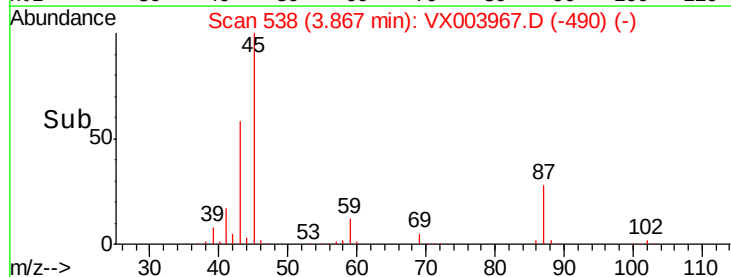
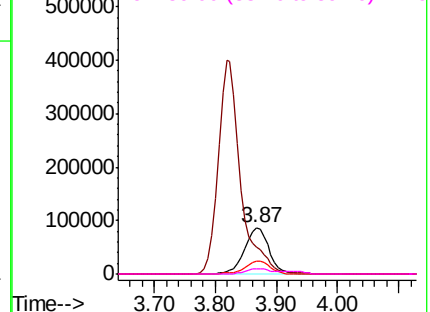


Abundance Ion 45.00 (44.70 to 45.70): VX0

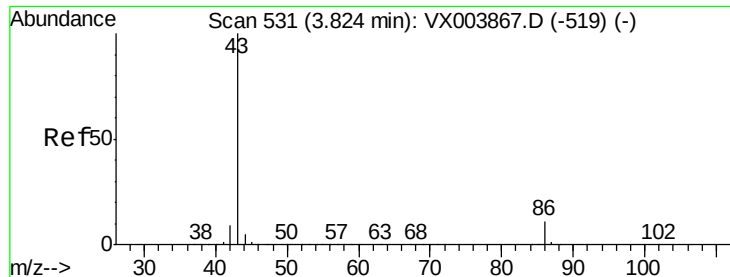
Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0







#23

Vinyl Acetate

Concen: 96.52 ug/l

RT: 3.82 min Scan# 530

Delta R.T. -0.01 min

Lab File: VX003967.D

Acq: 10 Aug 2018 10:58

Instrument :

MSVOA\_X

ClientSampleId :

VX0810WBS01

Tot Ion: 43 Resp: 1032652

Ion Ratio Lower Upper

43 100

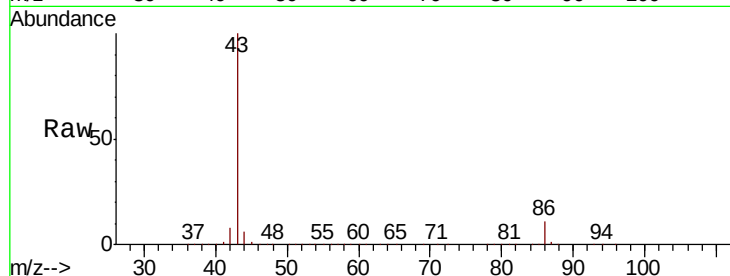
86 11.1 8.9 13.3

Manual Integrations

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MMDadoda

8/13/2018 11:02:00 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

400000

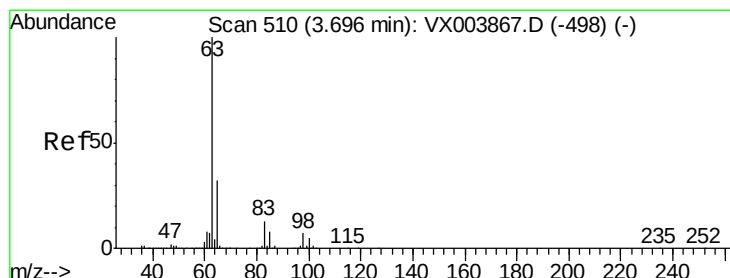
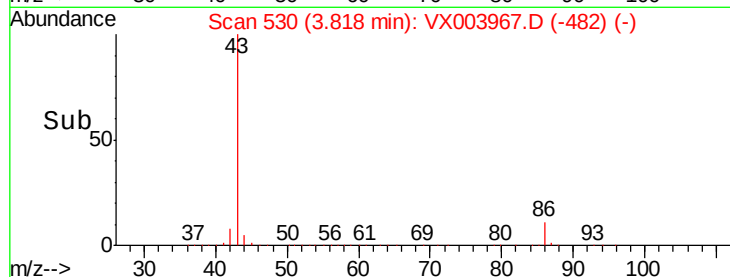
300000

200000

100000

0

Time--> 3.60 3.80 4.00



#24

1,1-Dichloroethane

Concen: 18.77 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003967.D

Acq: 10 Aug 2018 10:58

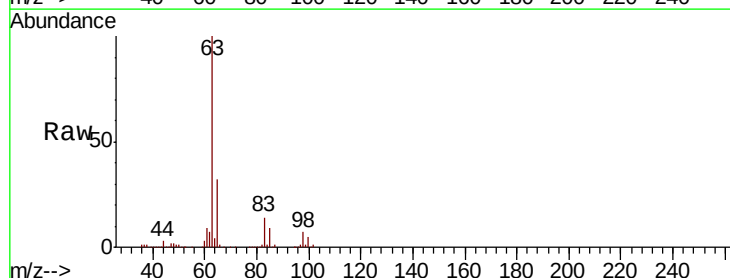
Tgt Ion: 63 Resp: 143379

Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.5

100 4.6 2.3 6.8



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

80000

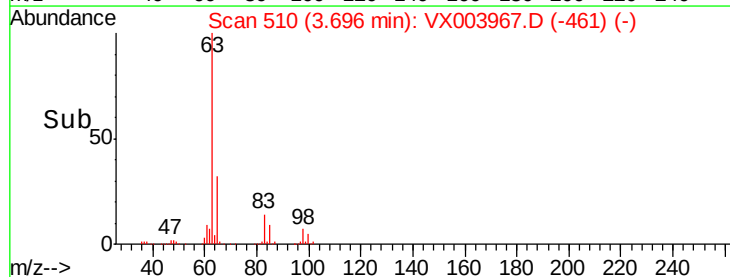
60000

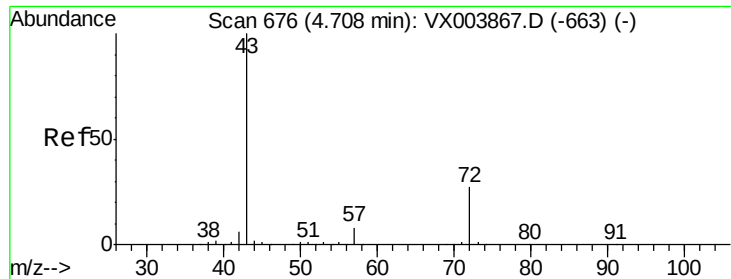
40000

20000

0

Time--> 3.60 3.70 3.80





#25

2-Butanone

Concen: 90.00 ug/l

RT: 4.70 min Scan# 674

Delta R.T. -0.01 min

Lab File: VX003967.D

Acq: 10 Aug 2018 10:58

Instrument :

MSVOA\_X

ClientSampleId :

VX0810WBS01

Tot Ion: 43 Resp: 360790

Ion Ratio Lower Upper

43 100

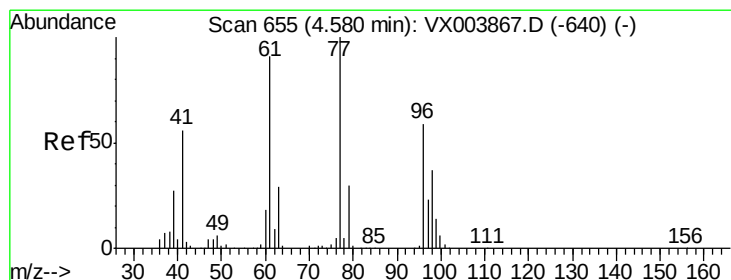
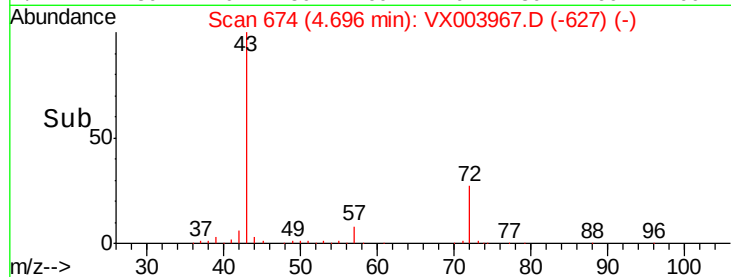
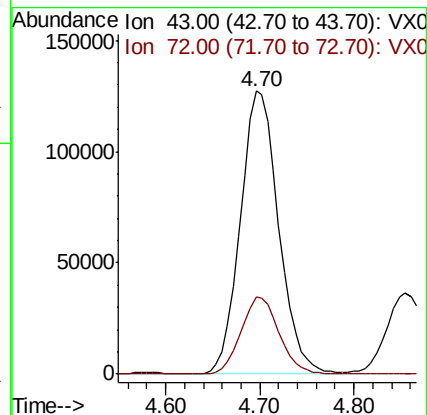
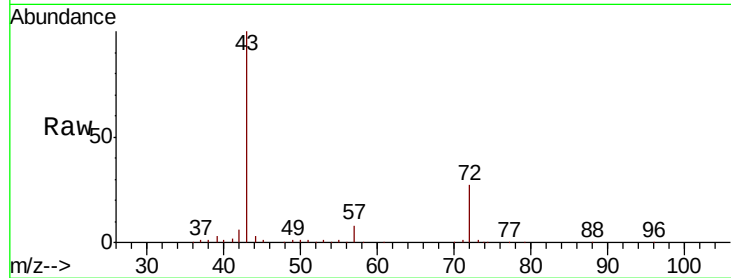
72 27.2 21.4 32.0

Manual Integrations

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8/13/2018 11:02:00 AM



#26

2,2-Dichloropropane

Concen: 20.27 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.00 min

Lab File: VX003967.D

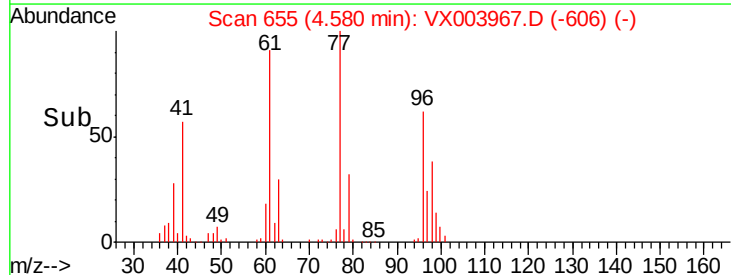
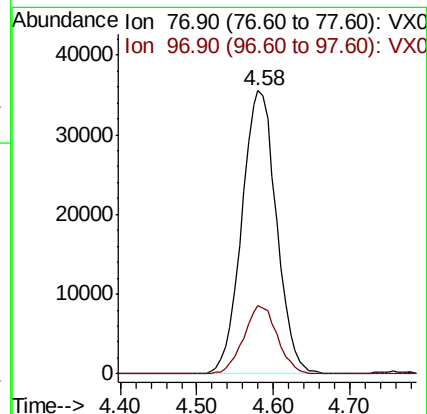
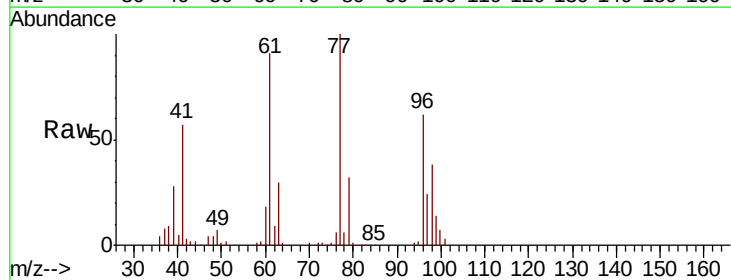
Acq: 10 Aug 2018 10:58

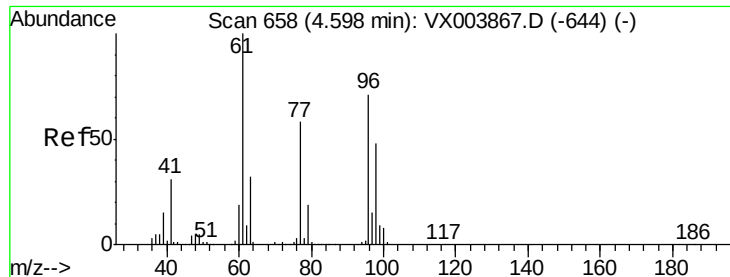
Tgt Ion: 77 Resp: 111628

Ion Ratio Lower Upper

77 100

97 23.6 11.9 35.9





#27

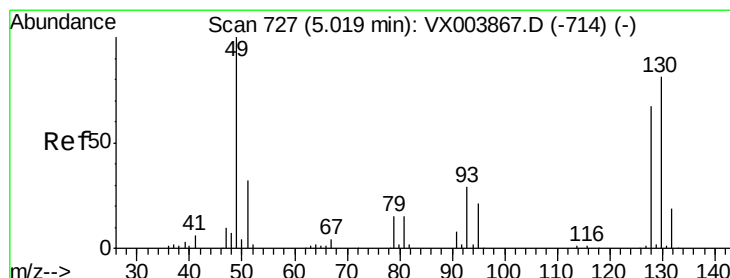
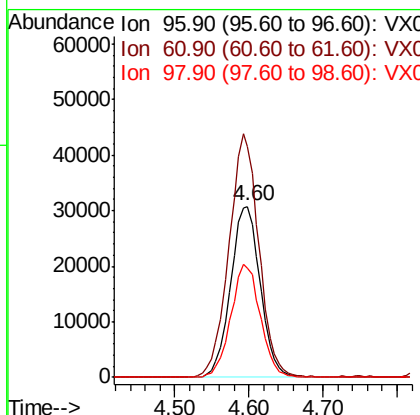
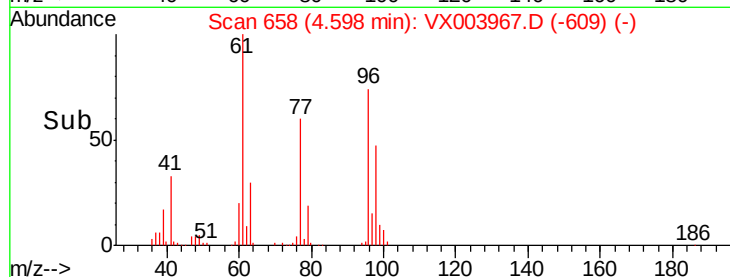
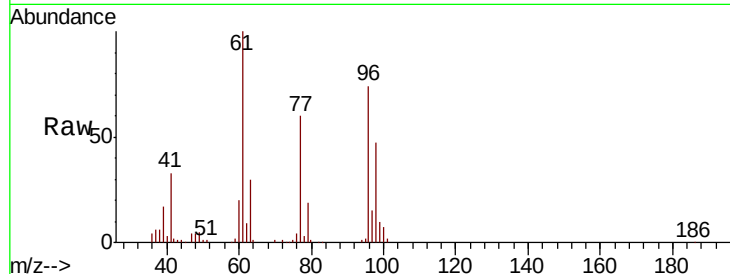
cis-1,2-Dichloroethene  
Concen: 19.25 ug/l  
RT: 4.60 min Scan# 658  
Delta R.T. -0.00 min  
Lab File: VX003967.D  
Acq: 10 Aug 2018 10:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0810WBS01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 96      | 100   |      |       |       |
| 61      | 143.7 | 0.0  | 293.0 |       |
| 98      | 65.5  | 0.0  | 131.8 |       |

Manual Integrations  
APPROVED

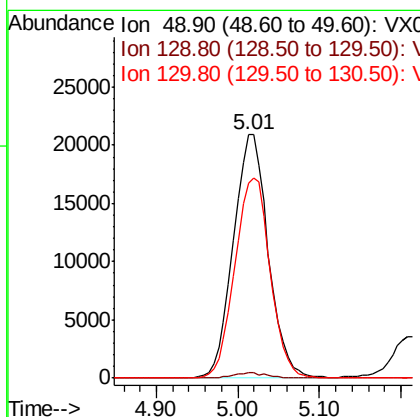
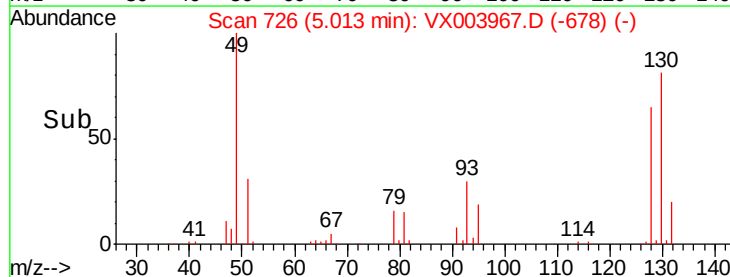
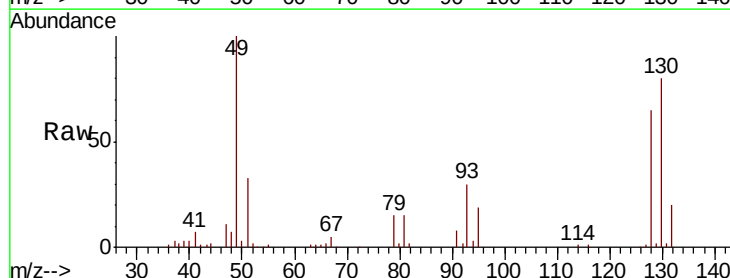
MMDadoda  
8/13/2018 11:02:00 AM

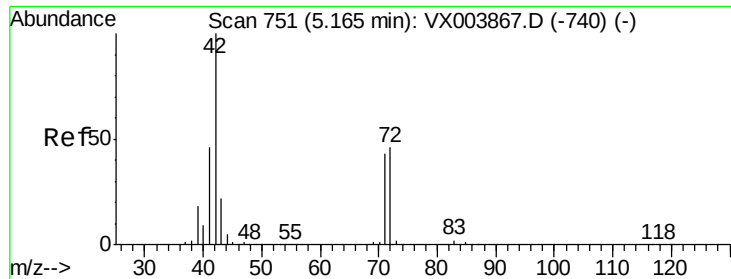


#28

Bromochloromethane  
Concen: 18.99 ug/l  
RT: 5.01 min Scan# 726  
Delta R.T. -0.01 min  
Lab File: VX003967.D  
Acq: 10 Aug 2018 10:58

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 49      | 100   |      |       |       |
| 129     | 2.0   | 0.0  | 4.2   |       |
| 130     | 83.3  | 66.5 | 99.7  |       |





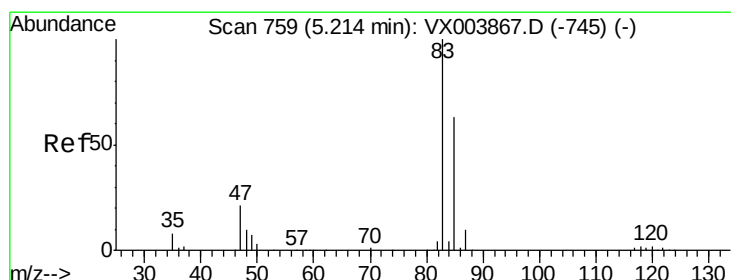
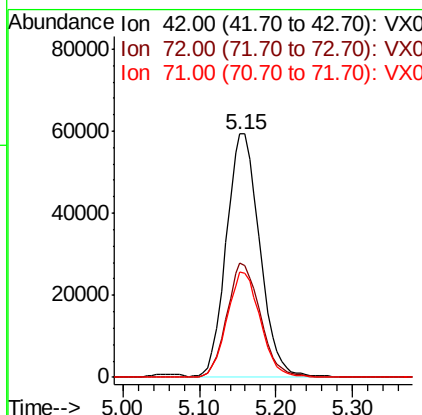
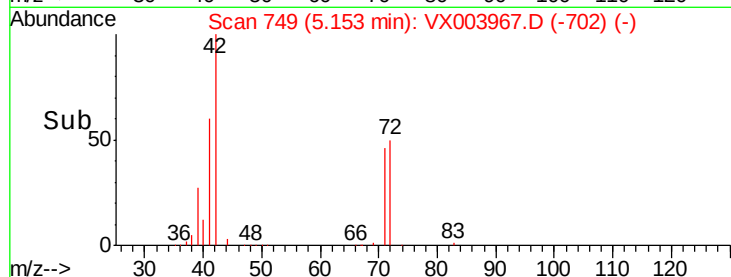
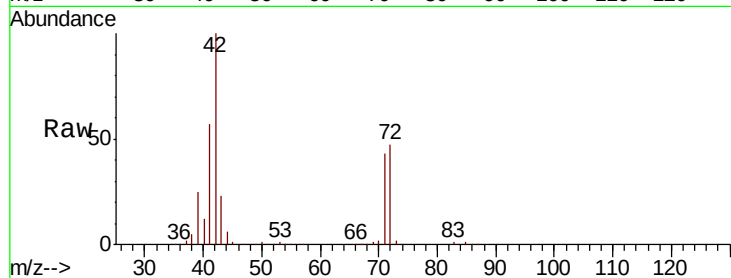
#29  
Tetrahydrofuran  
Concen: 86.69 ug/l  
RT: 5.15 min Scan# 749  
Delta R.T. -0.01 min  
Lab File: VX003967.D  
Acq: 10 Aug 2018 10:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0810WBS01

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 42   | Resp: | 178604 |
| Ion Ratio |      | Lower | Upper  |
| 42        | 100  |       |        |
| 72        | 47.1 | 37.7  | 56.5   |
| 71        | 43.5 | 35.0  | 52.6   |

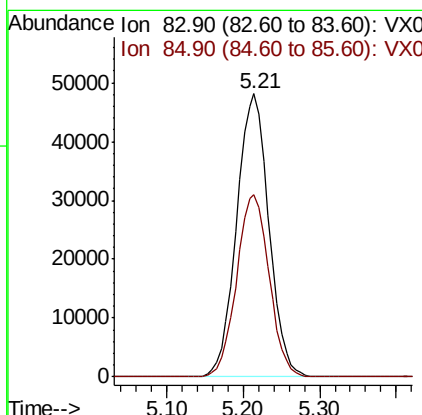
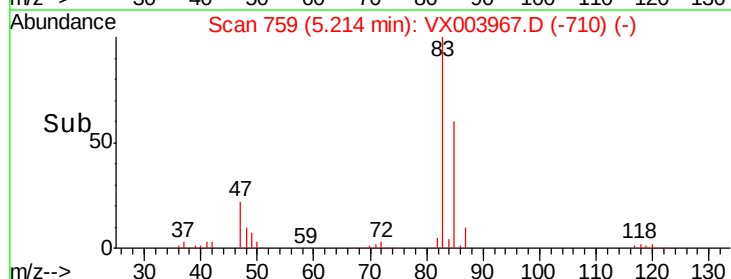
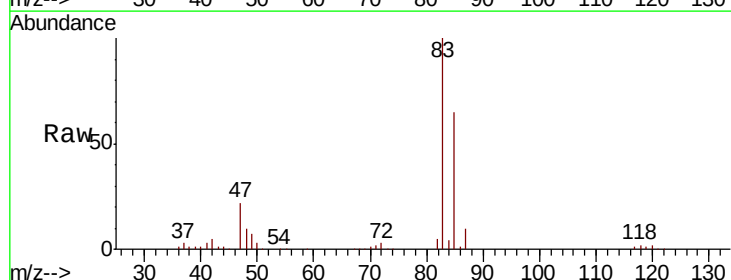
Manual Integrations  
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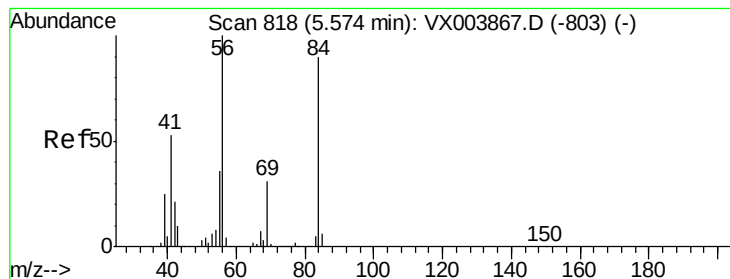
MMDadoda  
8/13/2018 11:02:00 AM



#30  
Chloroform  
Concen: 19.56 ug/l  
RT: 5.21 min Scan# 759  
Delta R.T. -0.00 min  
Lab File: VX003967.D  
Acq: 10 Aug 2018 10:58

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 83   | Resp: | 140662 |
| Ion Ratio |      | Lower | Upper  |
| 83        | 100  |       |        |
| 85        | 64.5 | 50.7  | 76.1   |





#31

Cyclohexane

Concen: 18.65 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX003967.D

Acq: 10 Aug 2018 10:58

Instrument :

MSVOA\_X

ClientSampleId :

VX0810WBS01

Tot Ion: 56 Resp: 120452

Ion Ratio Lower Upper

56 100

69 29.5 24.9 37.3

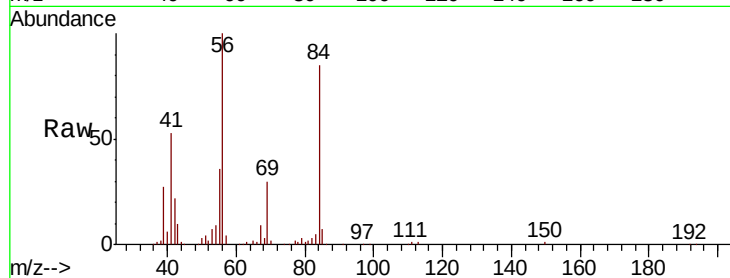
84 83.8 71.7 107.5

Manual Integrations

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8/13/2018 11:02:00 AM

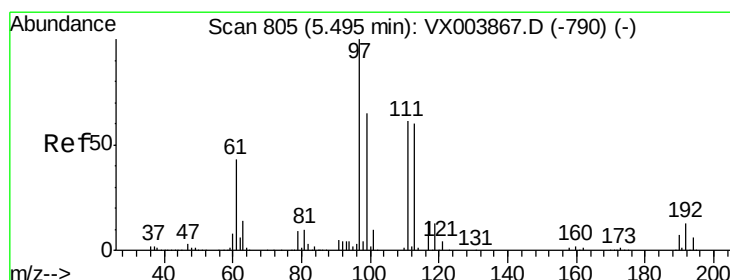
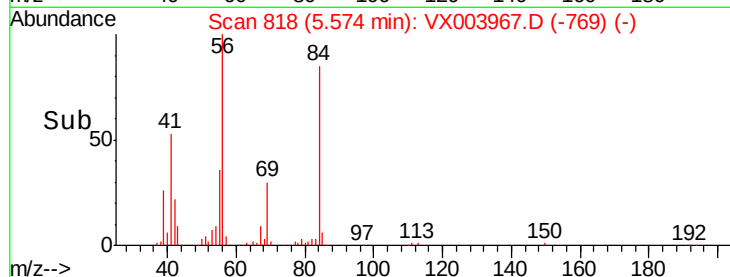
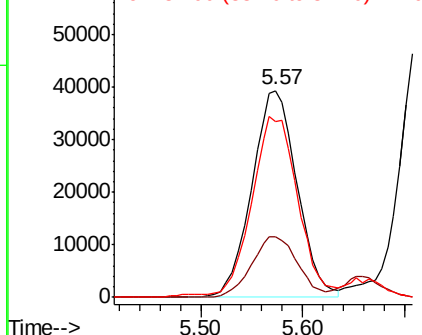


Abundance

Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 19.47 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX003967.D

Acq: 10 Aug 2018 10:58

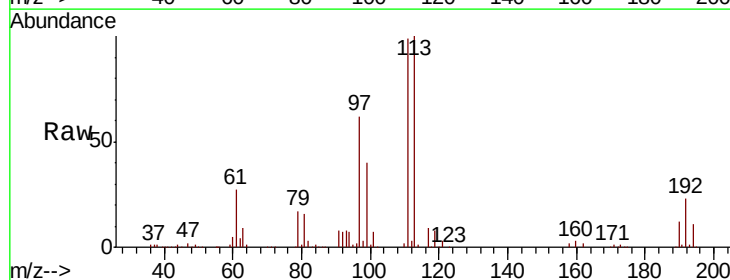
Tgt Ion: 97 Resp: 117387

Ion Ratio Lower Upper

97 100

99 64.6 51.8 77.8

61 44.3 34.4 51.6

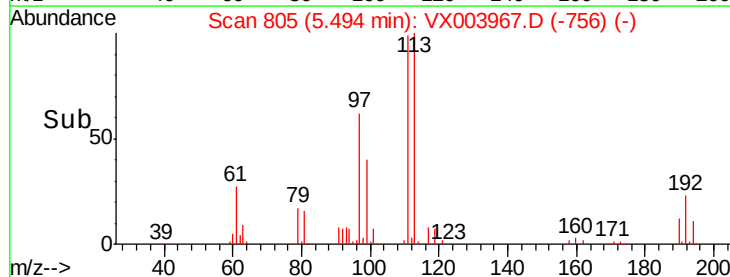
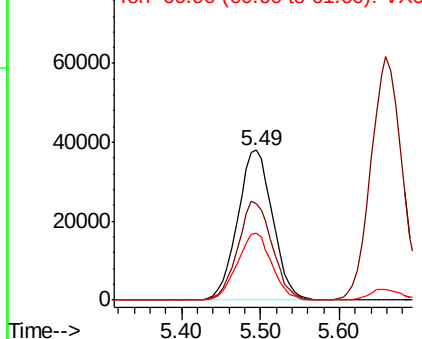


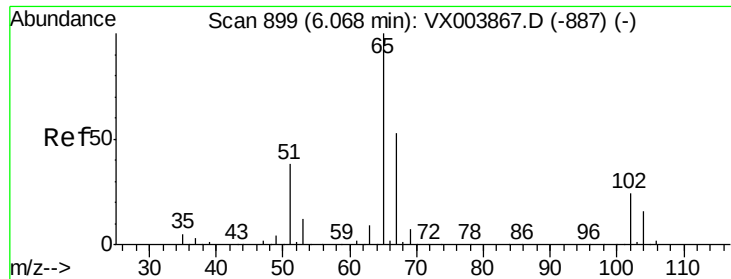
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





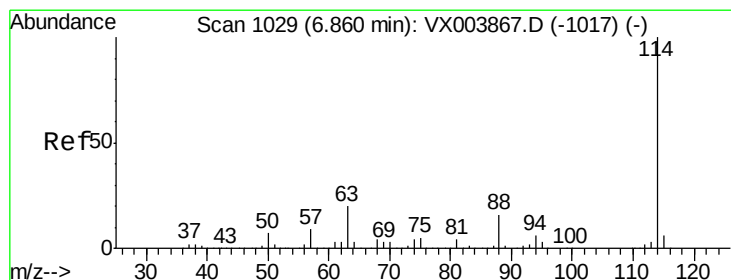
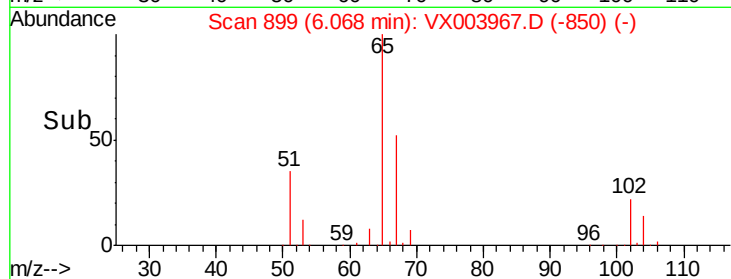
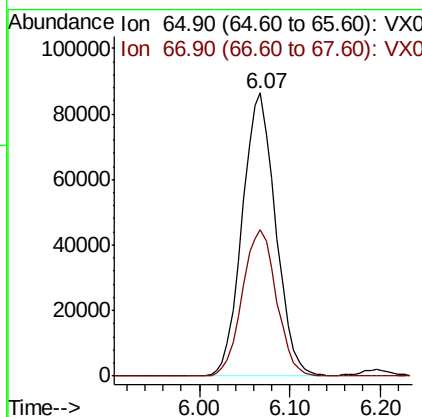
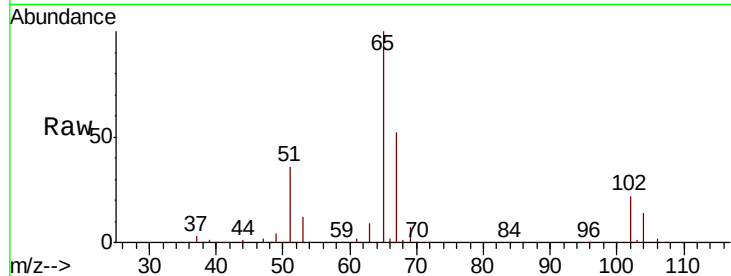
#33  
 1,2-Dichloroethane-d4  
 Concen: 49.12 ug/l  
 RT: 6.07 min Scan# 899  
 Delta R.T. -0.00 min  
 Lab File: VX003967.D  
 Acq: 10 Aug 2018 10:58

Instrument :  
 MSVOA\_X  
 ClientSampled :  
 VX0810WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 220109 |       |       |
| 67      | 53.0  | 0.0    | 105.8 |       |

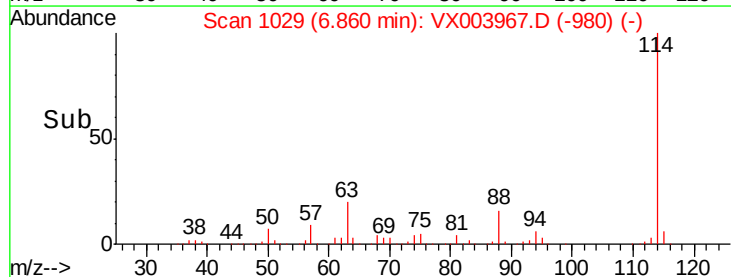
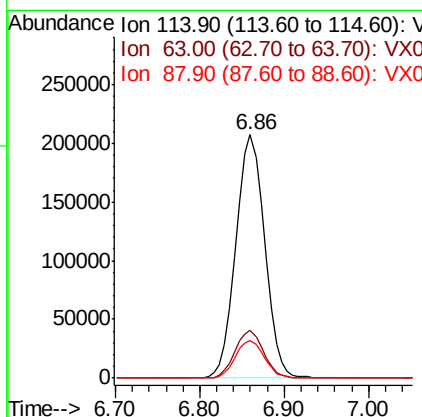
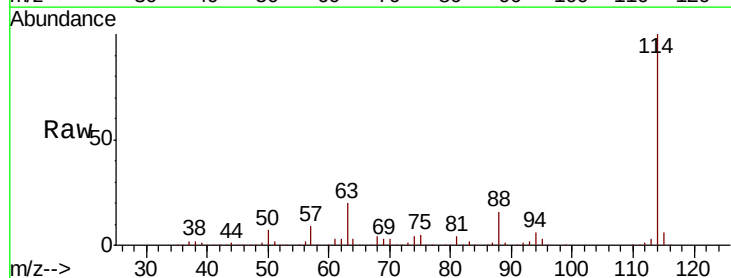
Manual Integrations  
 APPROVED

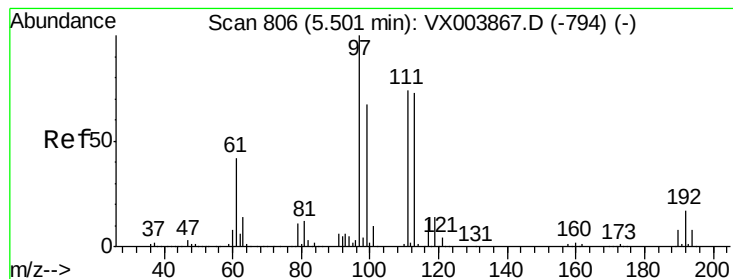
MMDadoda  
 8/13/2018 11:02:00 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.86 min Scan# 1029  
 Delta R.T. -0.00 min  
 Lab File: VX003967.D  
 Acq: 10 Aug 2018 10:58

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 480062 |       |       |
| 63      | 19.7  | 0.0    | 39.0  |       |
| 88      | 15.5  | 0.0    | 32.0  |       |





#35

Dibromofluoromethane

Concen: 50.47 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX003967.D

Acq: 10 Aug 2018 10:58

Instrument :

MSVOA\_X

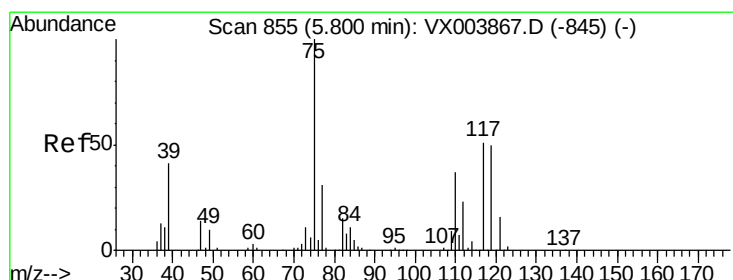
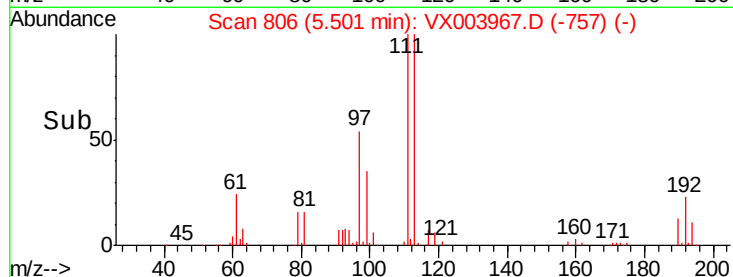
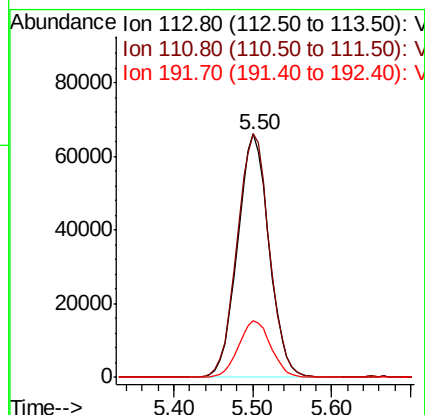
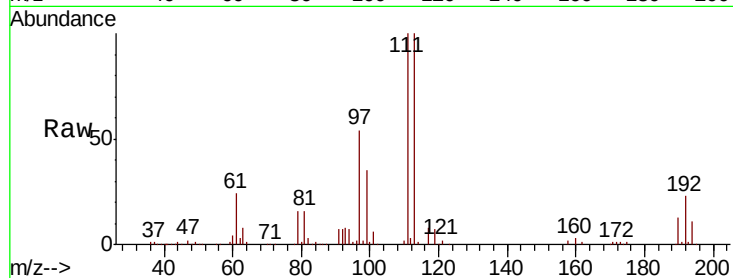
ClientSampleId :

VX0810WBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 183566 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 101.9 | 82.0  | 123.0  |
| 192       | 23.7  | 19.0  | 28.4   |

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MMDadoda  
8/13/2018 11:02:00 AM



#36

1,1-Dichloropropene

Concen: 19.53 ug/l

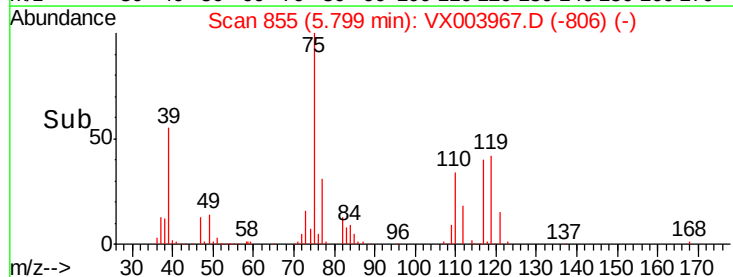
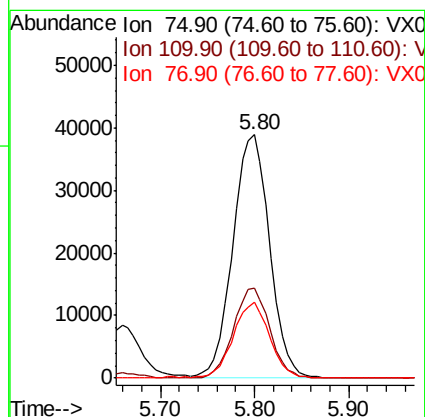
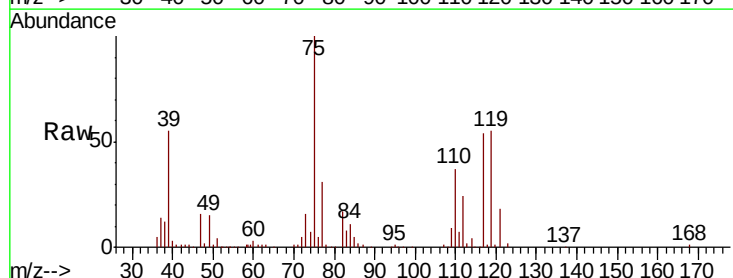
RT: 5.80 min Scan# 855

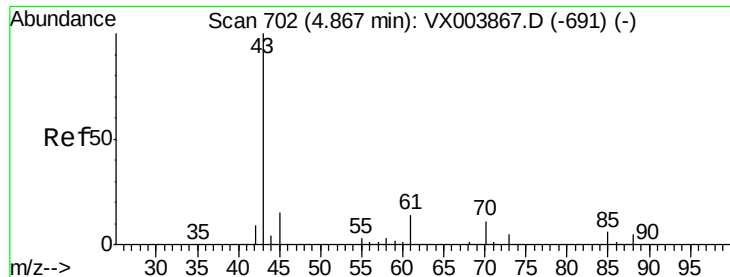
Delta R.T. -0.00 min

Lab File: VX003967.D

Acq: 10 Aug 2018 10:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 105033 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 110       | 36.7  | 18.2  | 54.6   |
| 77        | 31.2  | 25.0  | 37.4   |





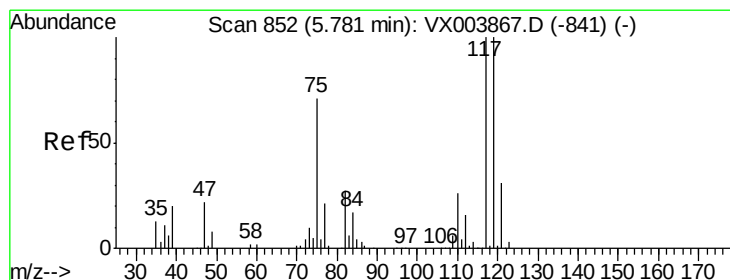
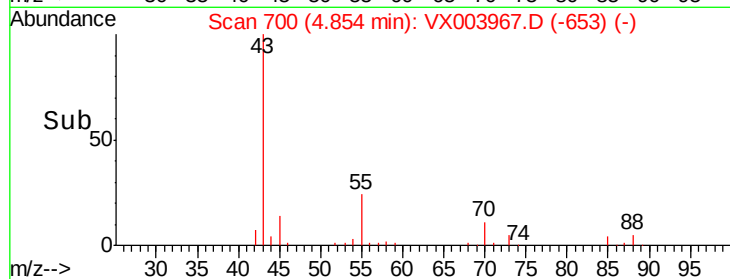
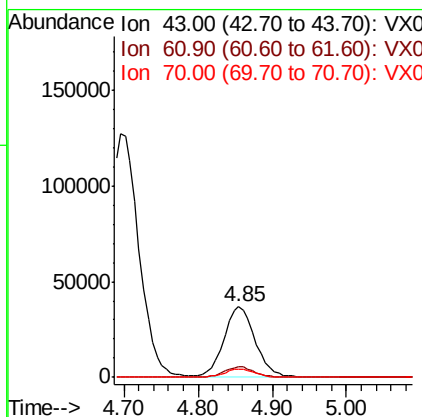
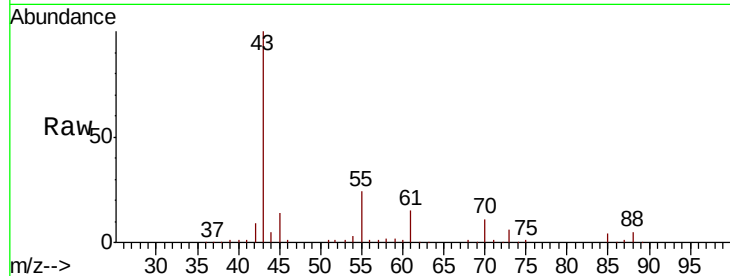
#37  
Ethyl Acetate  
Concen: 18.21 ug/l  
RT: 4.85 min Scan# 700  
Delta R.T. -0.01 min  
Lab File: VX003967.D  
Acq: 10 Aug 2018 10:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0810WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.1  | 11.5  | 17.3  |
| 70      | 11.3  | 9.0   | 13.4  |

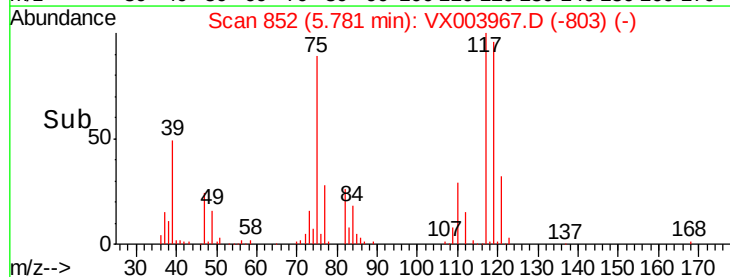
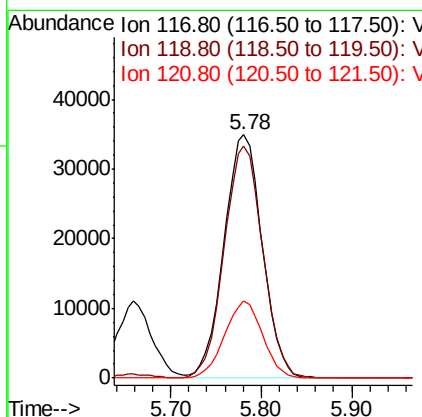
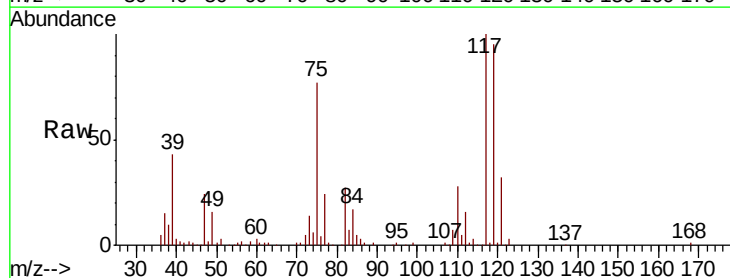
Manual Integrations  
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MMDadoda  
8/13/2018 11:02:00 AM

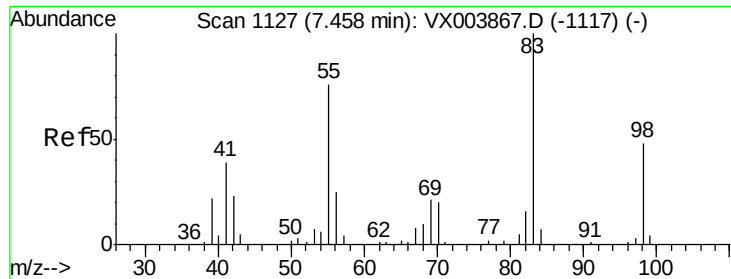


#38  
Carbon Tetrachloride  
Concen: 20.04 ug/l  
RT: 5.78 min Scan# 852  
Delta R.T. -0.00 min  
Lab File: VX003967.D  
Acq: 10 Aug 2018 10:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 95.3  | 79.5  | 119.3 |
| 121     | 31.8  | 25.0  | 37.4  |







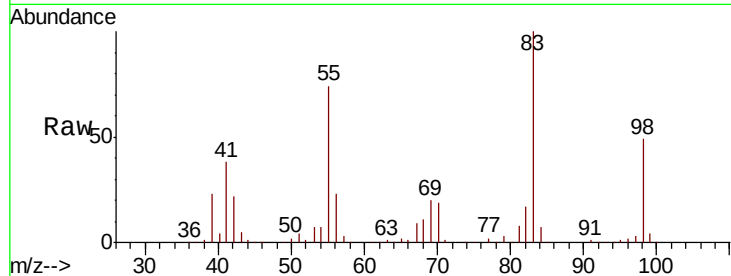
#39  
Methylvlcyclohexane  
Concen: 19.16 ug/l  
RT: 7.46 min Scan# 1128  
Delta R.T. 0.01 min  
Lab File: VX003967.D  
Acq: 10 Aug 2018 10:58

Instrument :  
MSVOA\_X  
ClientSampled :  
VX0810WBS01

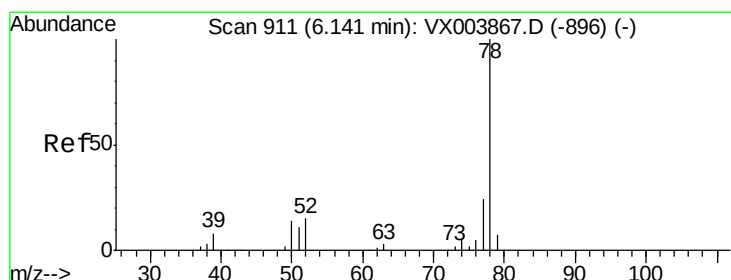
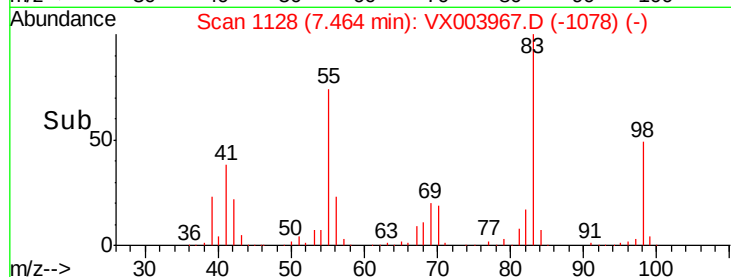
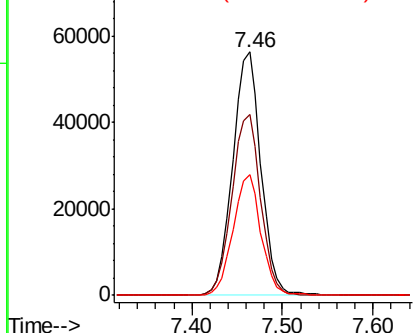
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 74.1  | 61.0  | 91.6  |
| 98      | 49.4  | 38.6  | 57.8  |

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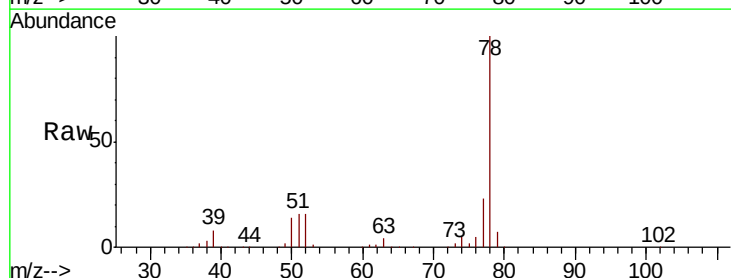


Abundance Ion 83.00 (82.70 to 83.70): VX0  
Ion 55.00 (54.70 to 55.70): VX0  
Ion 98.00 (97.70 to 98.70): VX0

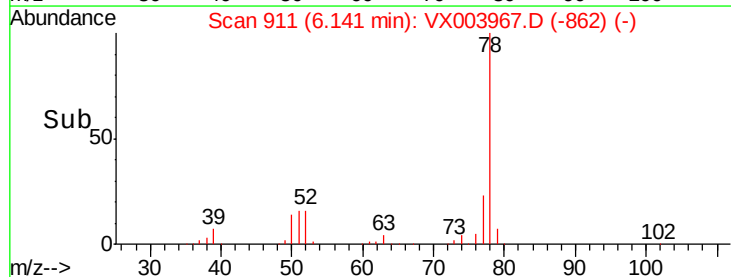
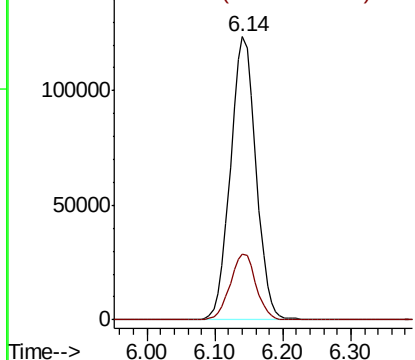


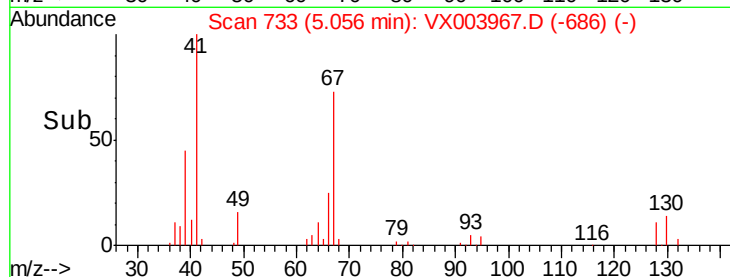
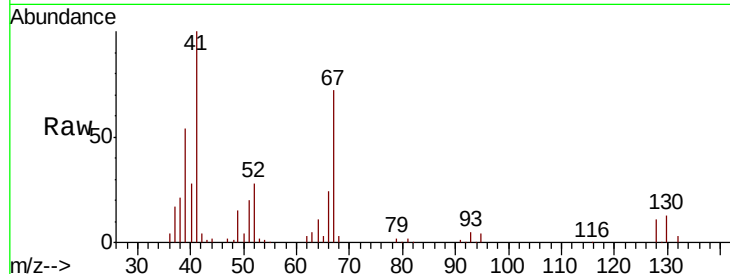
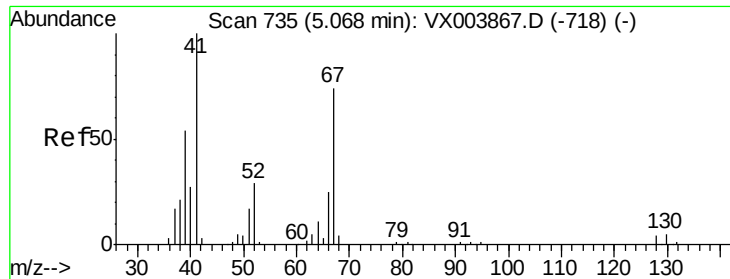
#40  
Benzene  
Concen: 19.96 ug/l  
RT: 6.14 min Scan# 911  
Delta R.T. -0.00 min  
Lab File: VX003967.D  
Acq: 10 Aug 2018 10:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.3  | 19.0  | 28.4  |



Abundance Ion 78.00 (77.70 to 78.70): VX0  
Ion 77.00 (76.70 to 77.70): VX0





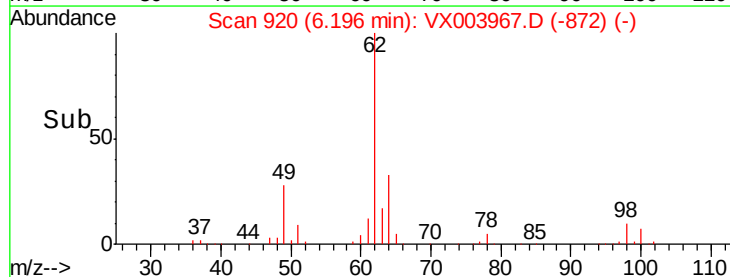
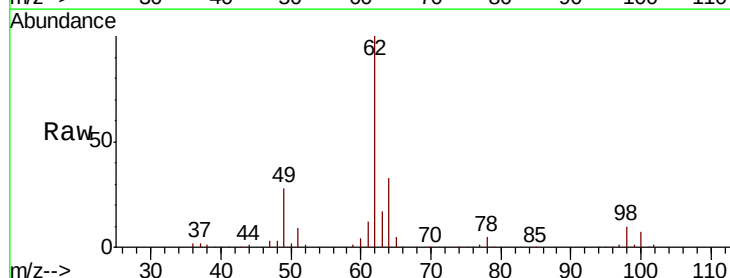
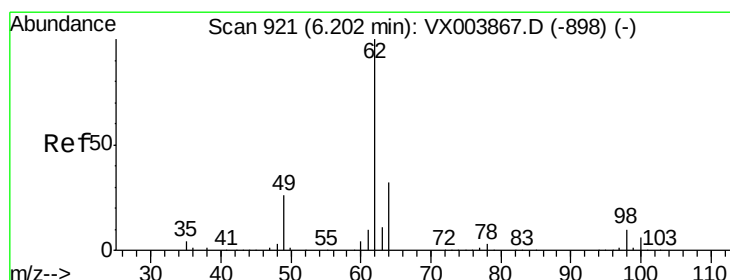
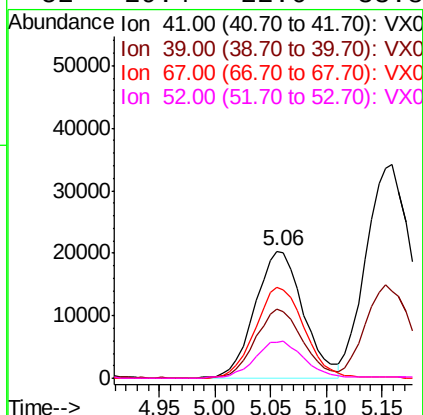
#41  
Methacrylonitrile  
Concen: 18.97 ug/l  
RT: 5.06 min Scan# 733  
Delta R.T. -0.01 min  
Lab File: VX003967.D  
Acq: 10 Aug 2018 10:58

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 41      | 100  |       | 61795 |       |       |
| 39      | 52.8 | 42.7  | 64.1  |       |       |
| 67      | 72.2 | 58.9  | 88.3  |       |       |
| 52      | 29.4 | 22.6  | 33.8  |       |       |

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0810WBS01

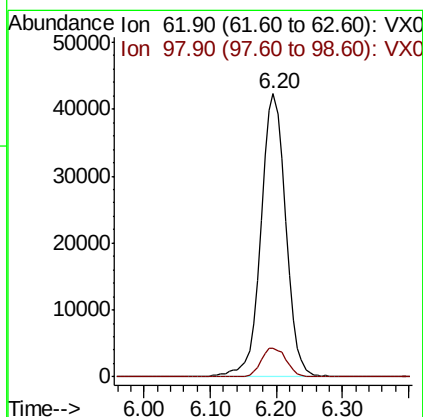
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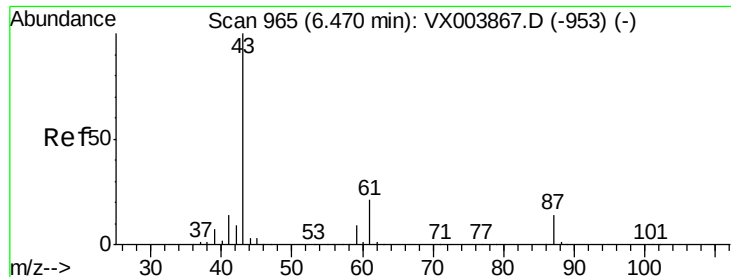
MMDadoda  
8/13/2018 11:02:00 AM



#42  
1,2-Dichloroethane  
Concen: 20.25 ug/l  
RT: 6.20 min Scan# 920  
Delta R.T. -0.01 min  
Lab File: VX003967.D  
Acq: 10 Aug 2018 10:58

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 62      | 100  |       | 110561 |       |       |
| 98      | 10.3 | 0.0   | 20.4   |       |       |





#43

Isopropyl Acetate

Concen: 18.52 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX003967.D

Acq: 10 Aug 2018 10:58

Instrument :

MSVOA\_X

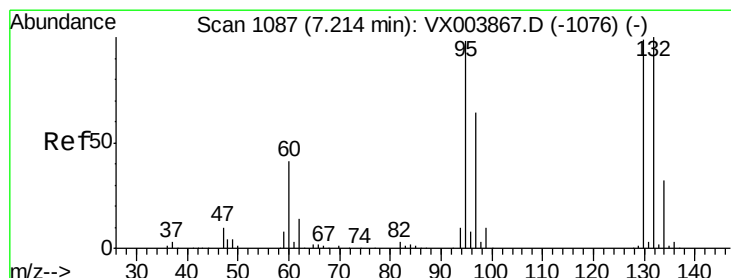
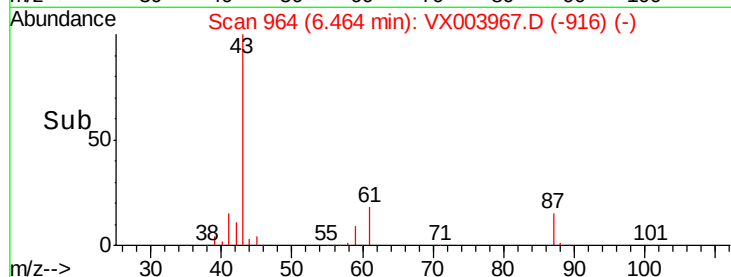
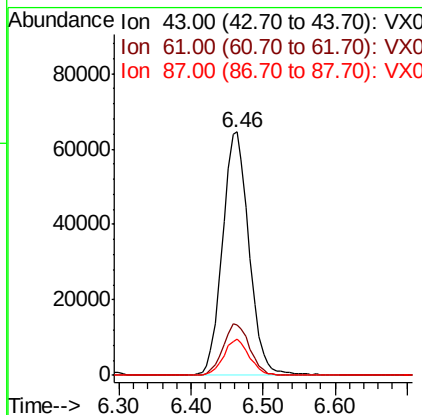
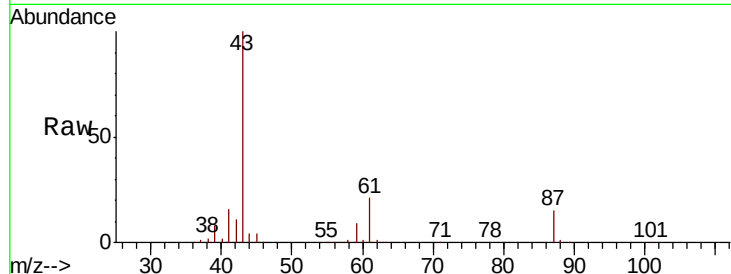
ClientSampleId :

VX0810WBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 164871 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 21.2  | 16.9  | 25.3   |
| 87       | 14.2  | 11.3  | 16.9   |

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8/13/2018 11:02:00 AM



#44

Trichloroethene

Concen: 19.44 ug/l

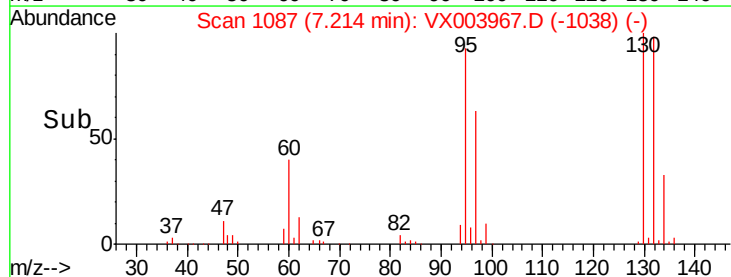
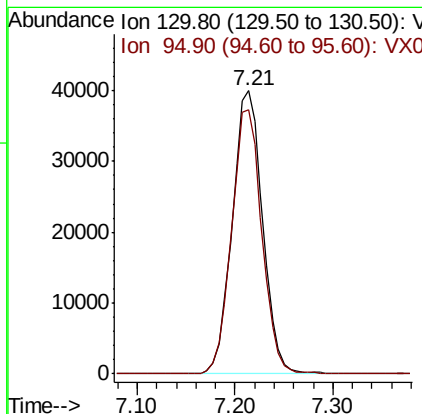
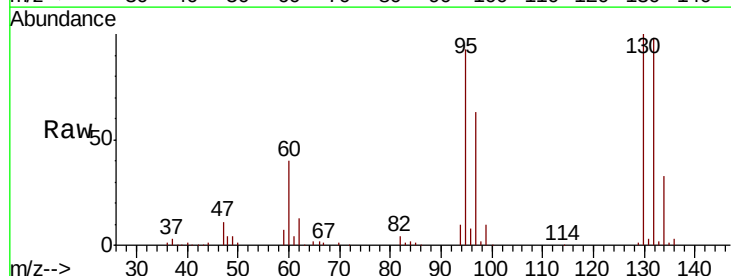
RT: 7.21 min Scan# 1087

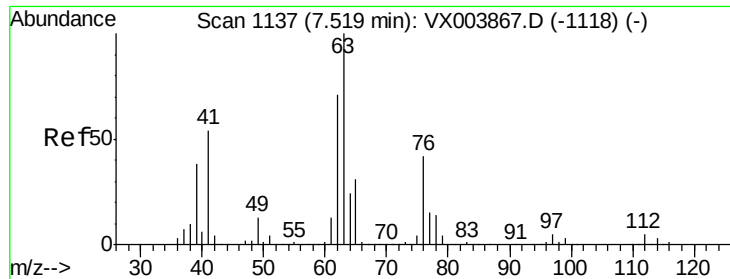
Delta R.T. -0.00 min

Lab File: VX003967.D

Acq: 10 Aug 2018 10:58

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 85842 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 93.4  | 0.0   | 199.4 |





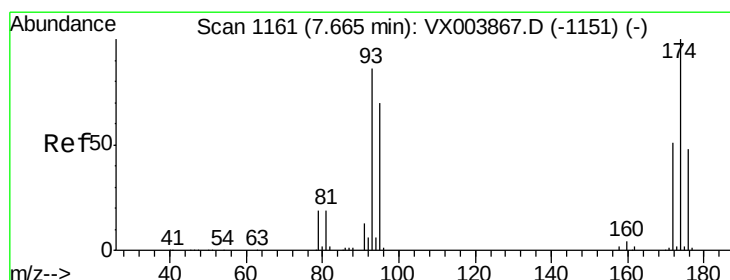
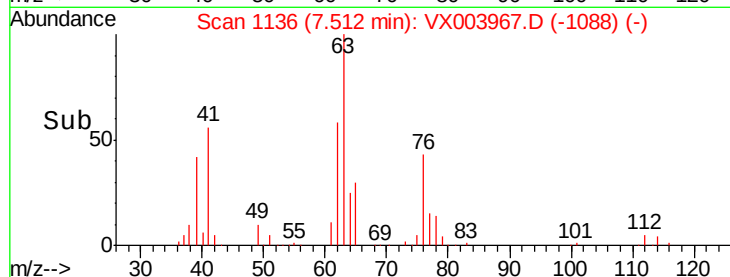
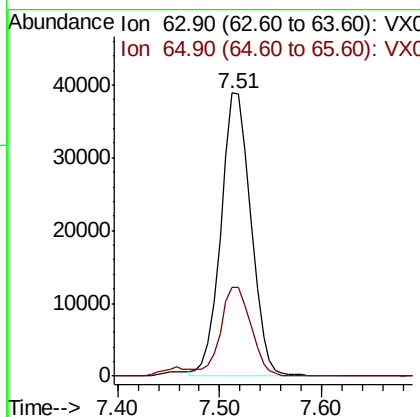
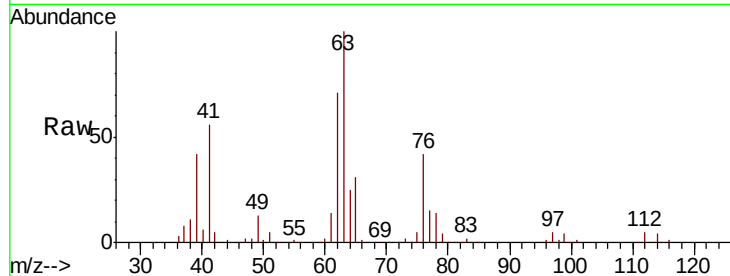
#45  
 1,2-Dichloropropane  
 Concen: 19.14 ug/l  
 RT: 7.51 min Scan# 1136  
 Delta R.T. -0.01 min  
 Lab File: VX003967.D  
 Acq: 10 Aug 2018 10:58

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0810WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 31.3  | 24.6  | 36.8  |

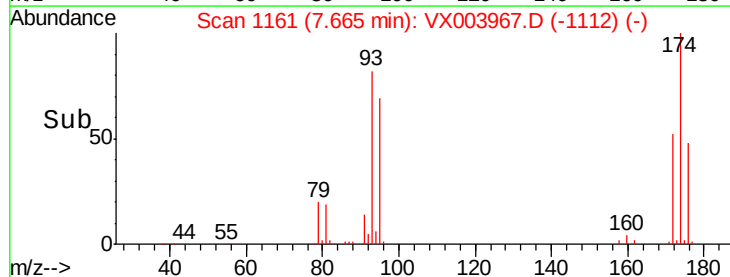
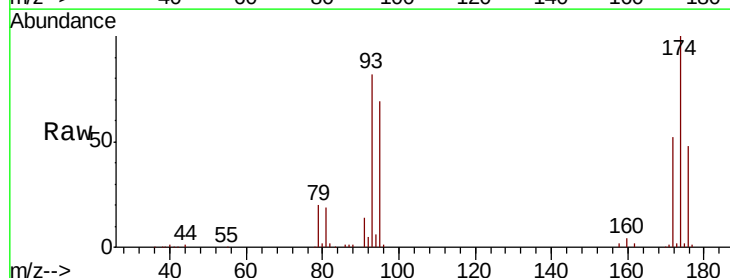
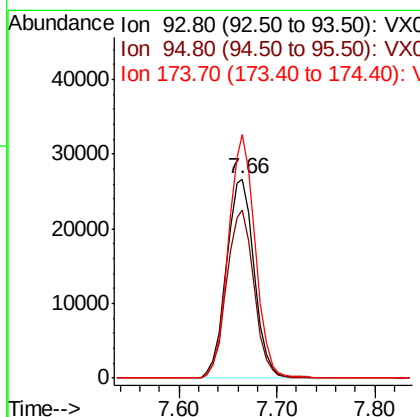
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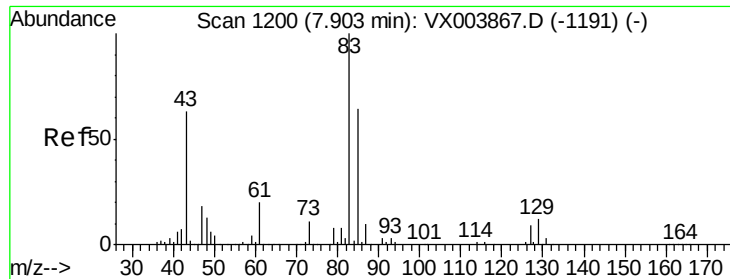
MMDadoda  
 8/13/2018 11:02:00 AM



#46  
 Dibromomethane  
 Concen: 19.39 ug/l  
 RT: 7.66 min Scan# 1161  
 Delta R.T. -0.00 min  
 Lab File: VX003967.D  
 Acq: 10 Aug 2018 10:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 82.6  | 66.4  | 99.6  |
| 174     | 117.1 | 94.3  | 141.5 |





#47

Bromodichloromethane

Concen: 19.91 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VX003967.D

Acq: 10 Aug 2018 10:58

Instrument :

MSVOA\_X

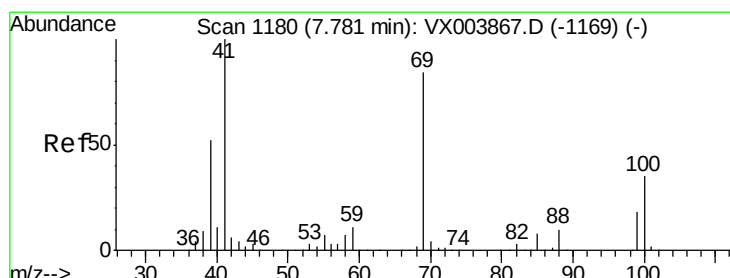
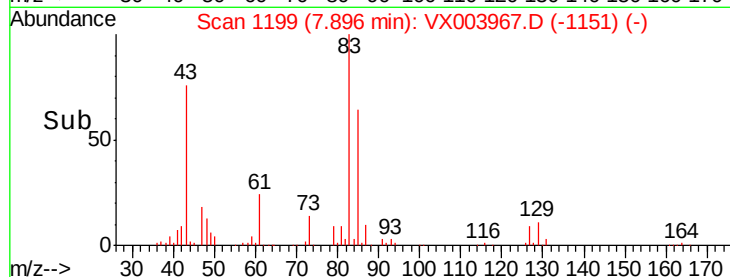
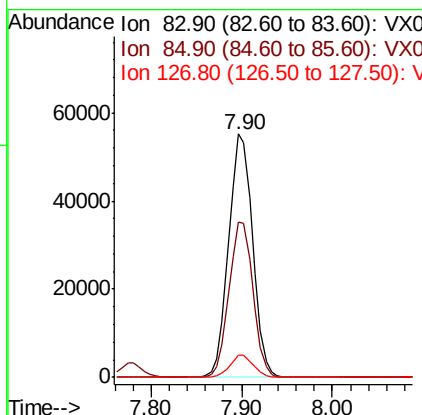
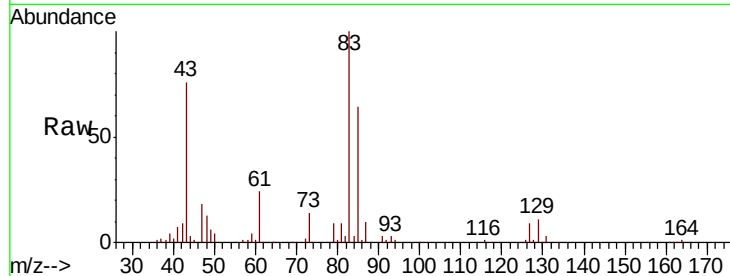
ClientSampleId :

VX0810WBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 101500 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 63.6  | 51.2  | 76.8   |
| 127       | 9.2   | 7.2   | 10.8   |

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#48

Methyl methacrylate

Concen: 18.55 ug/l

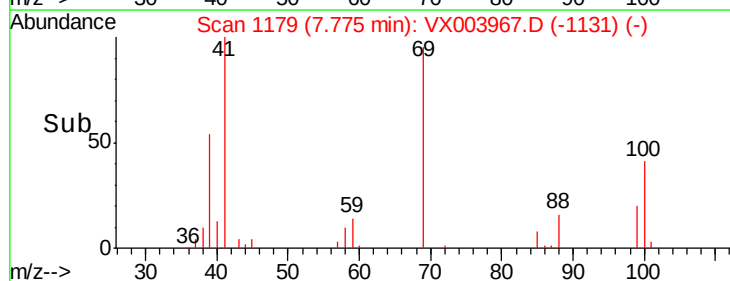
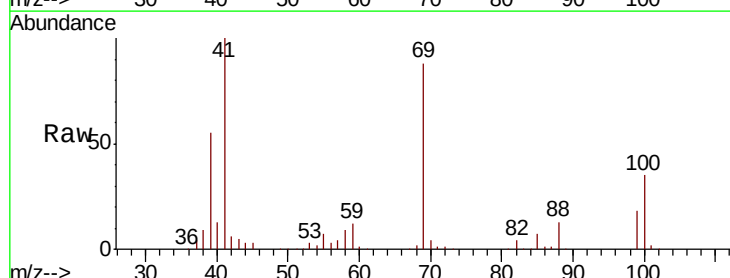
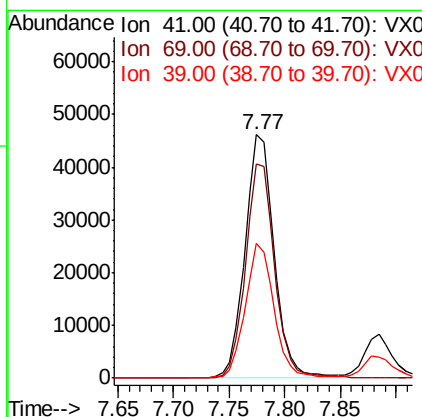
RT: 7.77 min Scan# 1179

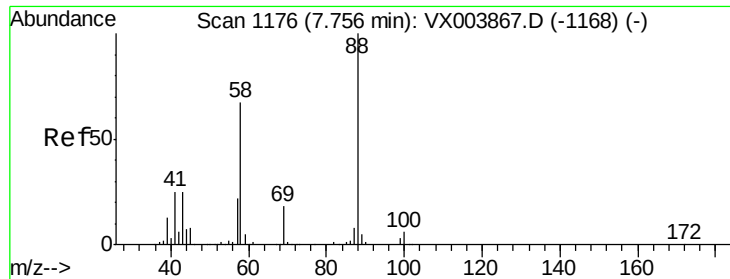
Delta R.T. -0.01 min

Lab File: VX003967.D

Acq: 10 Aug 2018 10:58

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 41    | Resp: | 83931 |
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 69        | 88.4  | 68.8  | 103.2 |
| 39        | 54.3  | 42.3  | 63.5  |





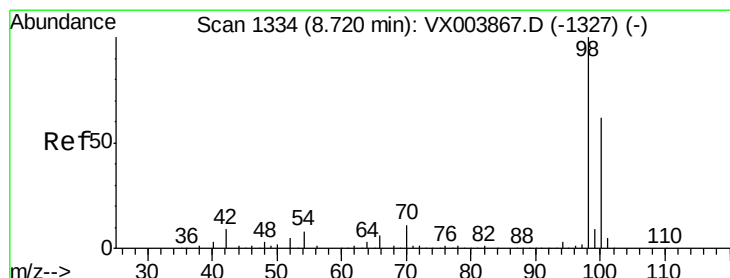
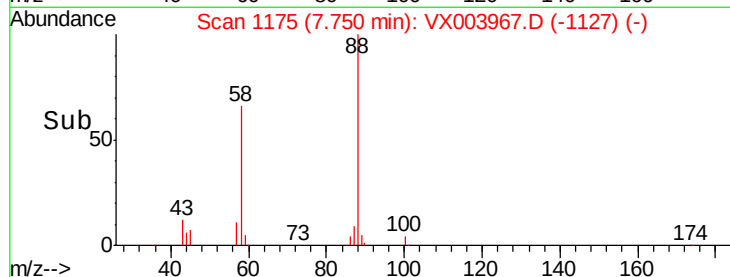
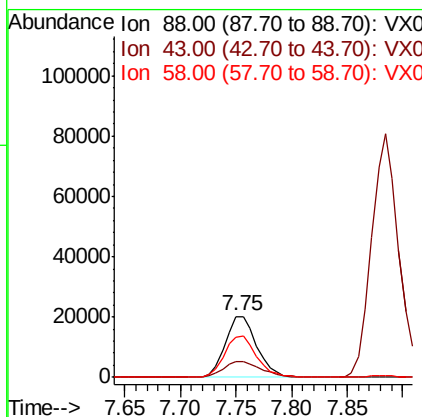
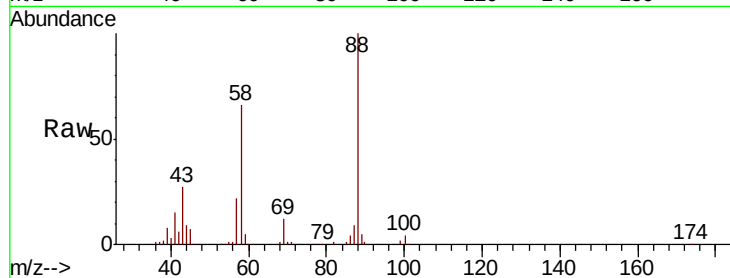
#49  
1,4-Dioxane  
Concen: 374.39 ug/l  
RT: 7.75 min Scan# 1175  
Delta R.T. -0.01 min  
Lab File: VX003967.D  
Acq: 10 Aug 2018 10:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0810WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 31.4  | 23.8  | 35.8  |
| 58      | 68.9  | 55.4  | 83.0  |

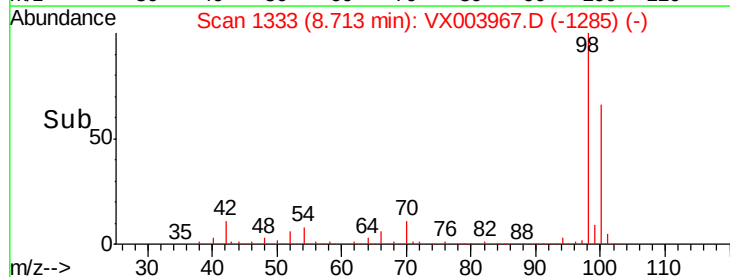
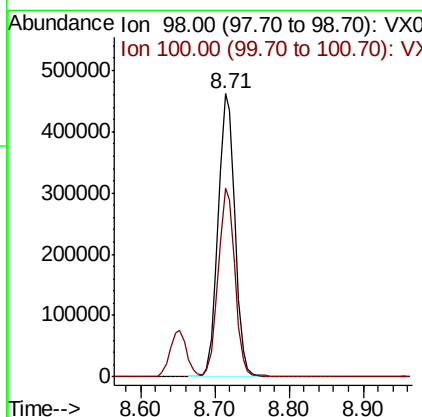
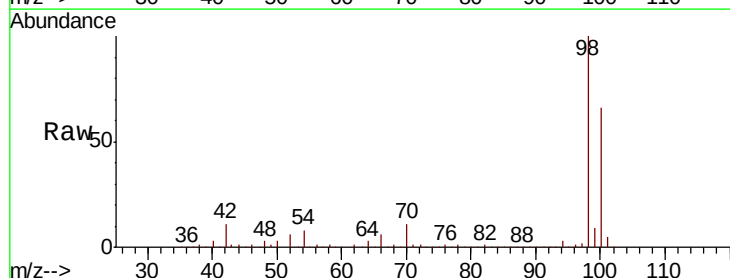
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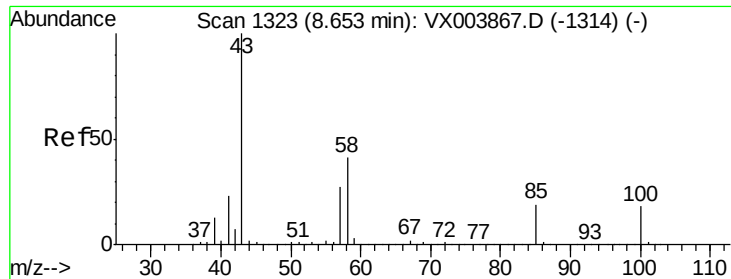
MMDadoda  
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#50  
Toluene-d8  
Concen: 50.51 ug/l  
RT: 8.71 min Scan# 1333  
Delta R.T. -0.01 min  
Lab File: VX003967.D  
Acq: 10 Aug 2018 10:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 66.4  | 53.3  | 79.9  |





#51

4-Methyl-2-Pentanone

Concen: 93.98 ug/l

RT: 8.65 min Scan# 1322

Delta R.T. -0.01 min

Lab File: VX003967.D

Acq: 10 Aug 2018 10:58

Instrument :

MSVOA\_X

ClientSampled :

VX0810WBS01

Tot Ion: 43 Resp: 693335

Ion Ratio Lower Upper

43 100

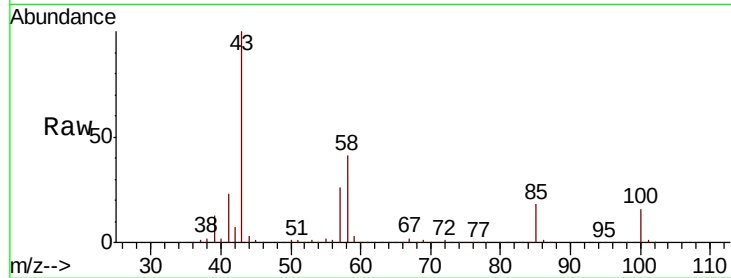
58 41.4 33.0 49.6

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

500000

400000

300000

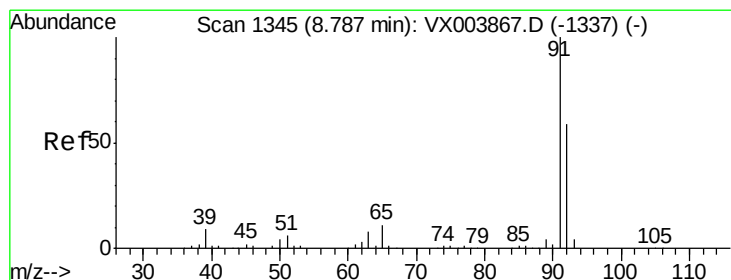
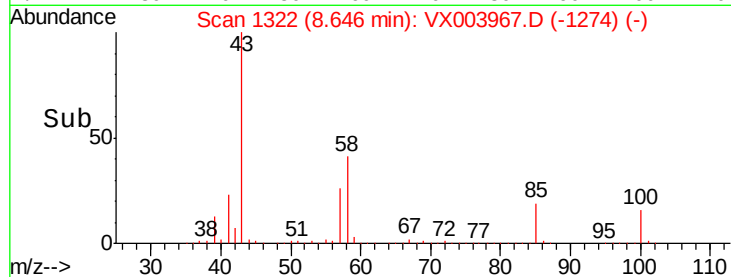
200000

100000

0

8.55 8.60 8.65 8.70

Time-->



#52

Toluene

Concen: 20.25 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX003967.D

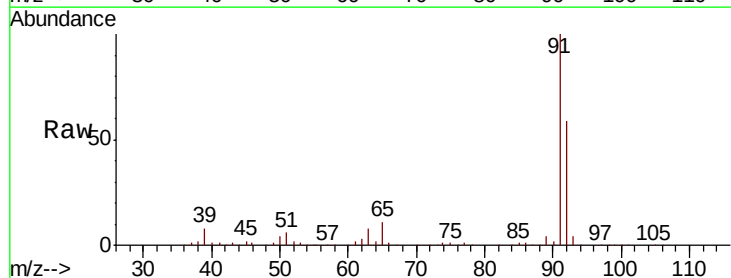
Acq: 10 Aug 2018 10:58

Tgt Ion: 92 Resp: 206579

Ion Ratio Lower Upper

92 100

91 169.3 136.1 204.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

250000

200000

150000

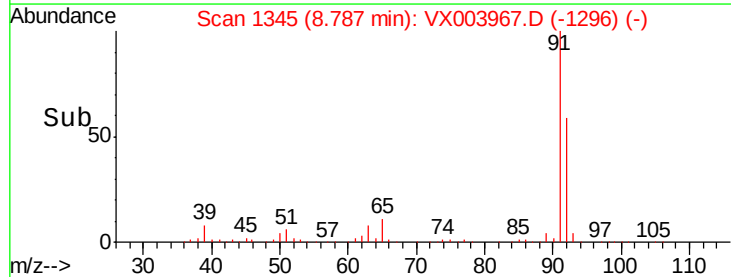
100000

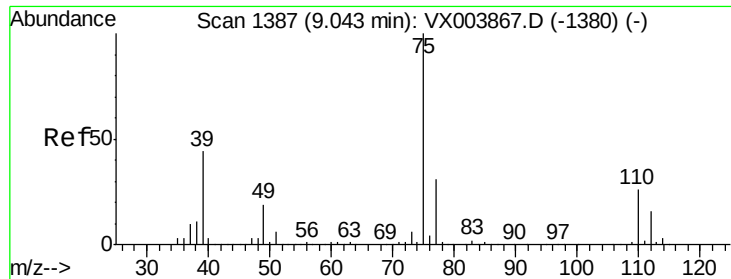
50000

0

8.70 8.80 8.90

Time-->





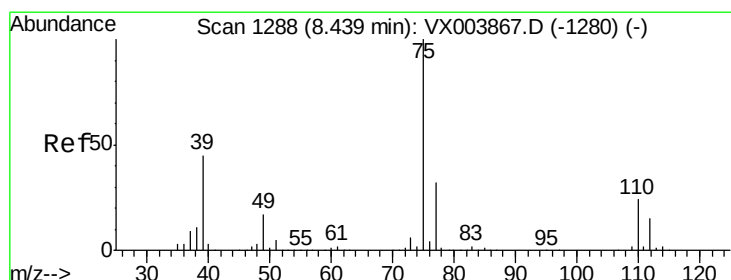
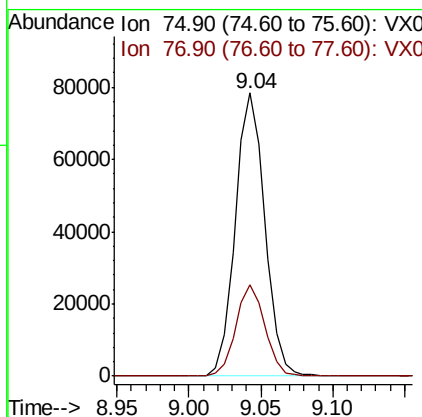
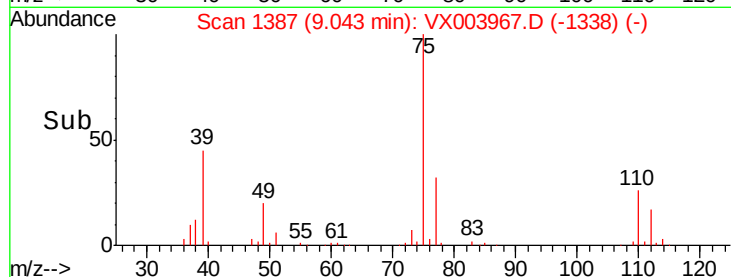
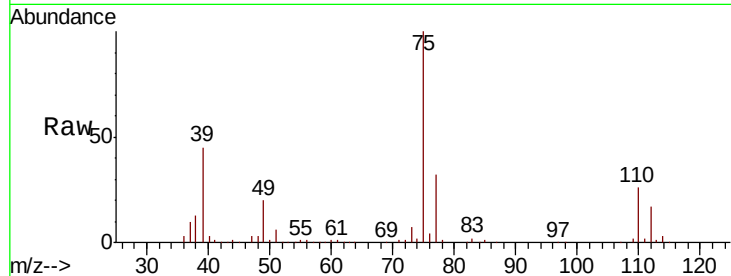
#53  
 t-1,3-Dichloropropene  
 Concen: 19.46 ug/l  
 RT: 9.04 min Scan# 1387  
 Delta R.T. -0.00 min  
 Lab File: VX003967.D  
 Acq: 10 Aug 2018 10:58

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0810WBS01

Tot Ion: 75 Resp: 112160  
 Ion Ratio Lower Upper  
 75 100  
 77 32.4 25.1 37.7

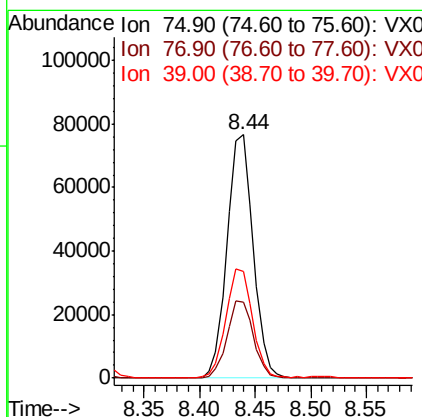
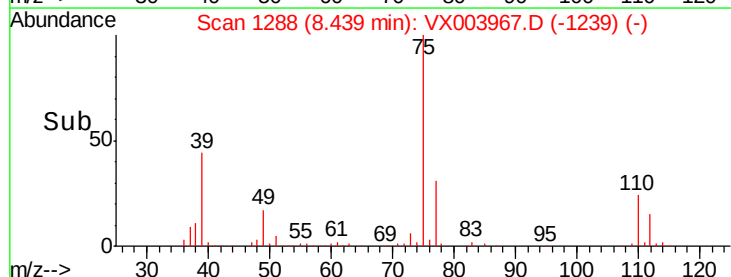
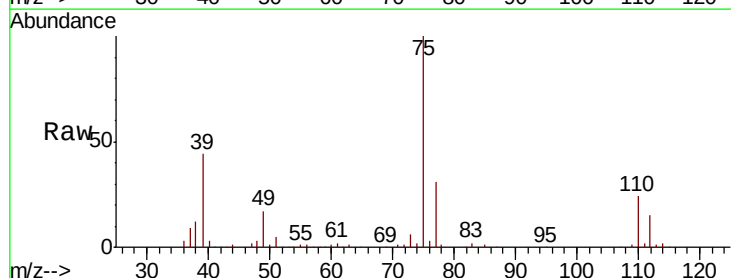
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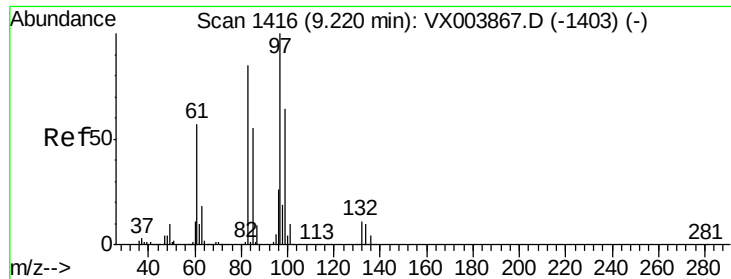


#54  
 cis-1,3-Dichloropropene  
 Concen: 20.06 ug/l  
 RT: 8.44 min Scan# 1288  
 Delta R.T. -0.00 min  
 Lab File: VX003967.D  
 Acq: 10 Aug 2018 10:58

Tgt Ion: 75 Resp: 124647  
 Ion Ratio Lower Upper  
 75 100  
 77 31.2 25.3 37.9  
 39 43.5 36.2 54.2







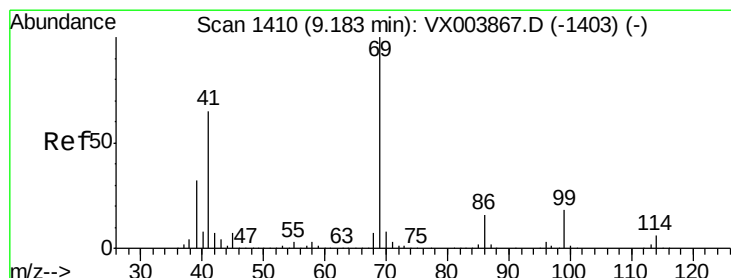
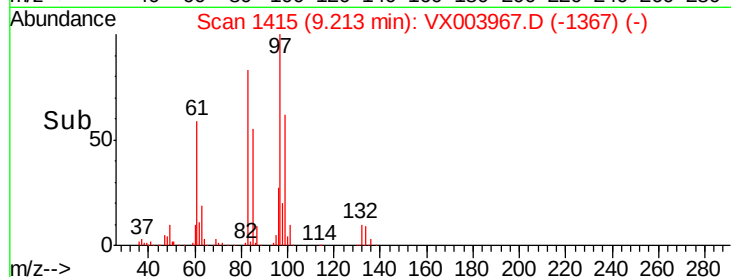
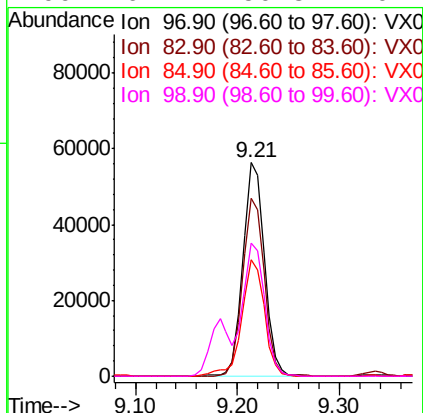
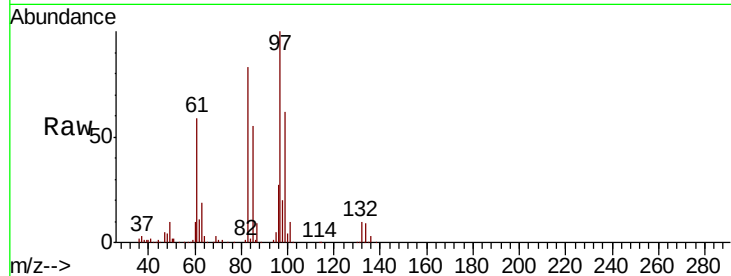
#55  
 1,1,2-Trichloroethane  
 Concen: 19.76 ug/l  
 RT: 9.21 min Scan# 1415  
 Delta R.T. -0.01 min  
 Lab File: VX003967.D  
 Acq: 10 Aug 2018 10:58

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0810WBS01

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 97      | 100  |       | 82376 |       |       |
| 83      | 83.4 | 67.8  | 101.6 |       |       |
| 85      | 54.7 | 44.2  | 66.2  |       |       |
| 99      | 62.4 | 50.8  | 76.2  |       |       |

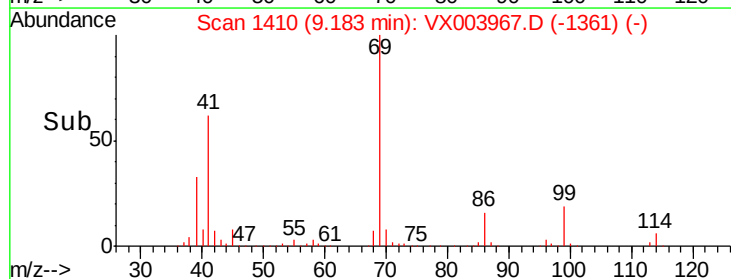
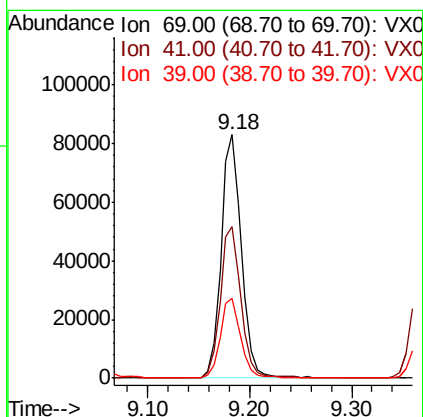
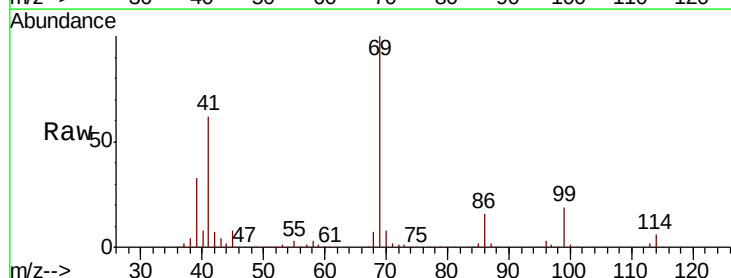
Manual Integrations  
 APPROVED

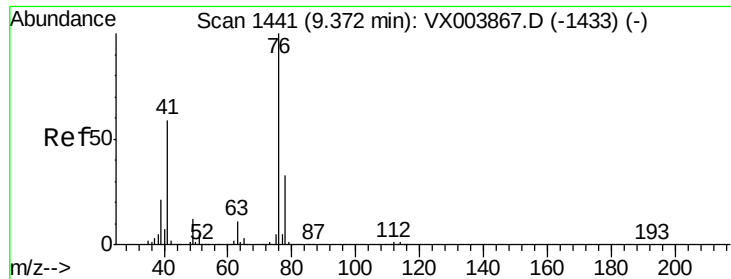
MMDadoda  
 8/13/2018 11:02:00 AM



#56  
 Ethyl methacrylate  
 Concen: 19.00 ug/l  
 RT: 9.18 min Scan# 1410  
 Delta R.T. -0.00 min  
 Lab File: VX003967.D  
 Acq: 10 Aug 2018 10:58

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 69      | 100  |       | 114900 |       |       |
| 41      | 63.4 | 50.6  | 76.0   |       |       |
| 39      | 32.9 | 25.8  | 38.6   |       |       |





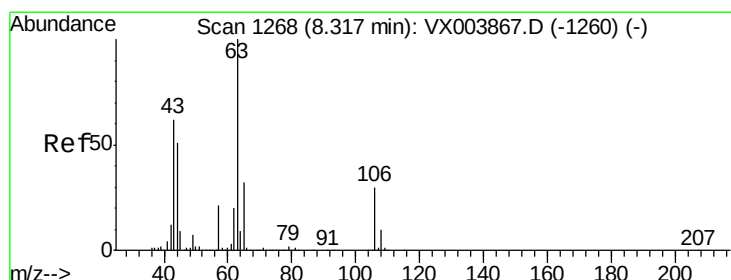
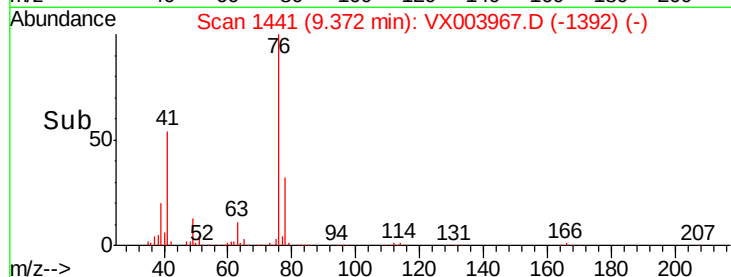
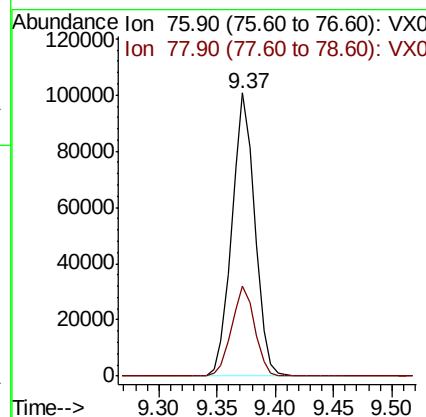
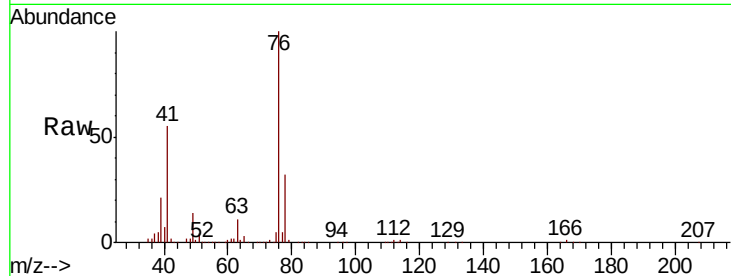
#57  
 1,3-Dichloropropane  
 Concen: 19.85 ug/l  
 RT: 9.37 min Scan# 1441  
 Delta R.T. -0.00 min  
 Lab File: VX003967.D  
 Acq: 10 Aug 2018 10:58

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0810WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 31.9  | 25.9  | 38.9  |

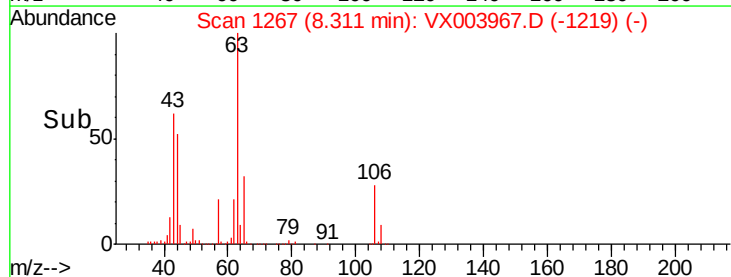
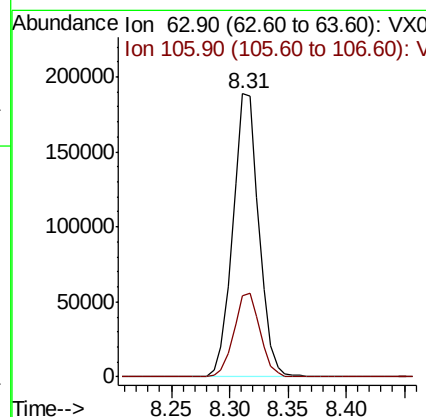
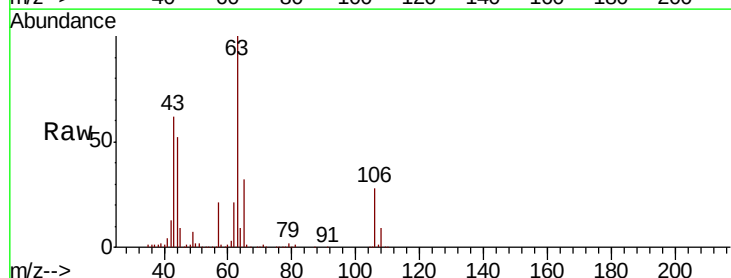
Manual Integrations  
 APPROVED

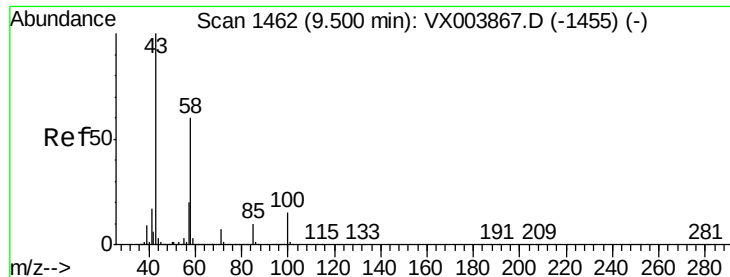
MMDadoda  
 8/13/2018 11:02:00 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 98.51 ug/l  
 RT: 8.31 min Scan# 1267  
 Delta R.T. -0.01 min  
 Lab File: VX003967.D  
 Acq: 10 Aug 2018 10:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 29.8  | 23.8  | 35.8  |





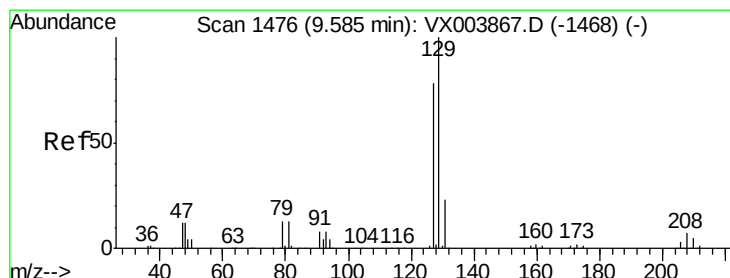
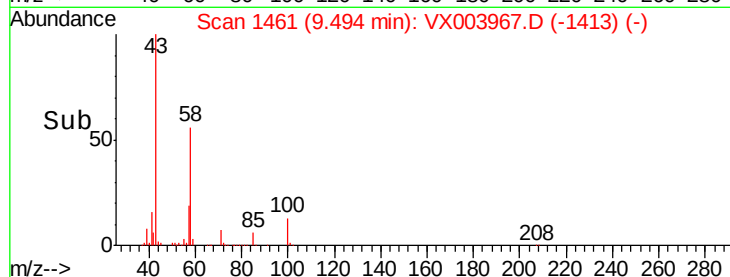
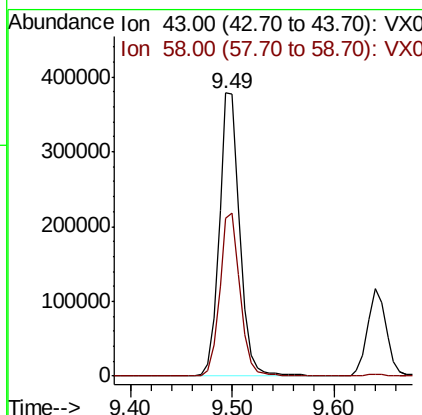
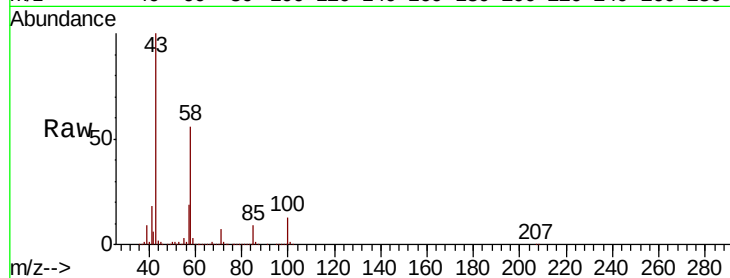
#59  
2-Hexanone  
Concen: 96.22 ug/l  
RT: 9.49 min Scan# 1461  
Delta R.T. -0.01 min  
Lab File: VX003967.D  
Acq: 10 Aug 2018 10:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0810WBS01

Tot Ion: 43 Resp: 530596  
Ion Ratio Lower Upper  
43 100  
58 57.1 29.0 87.0

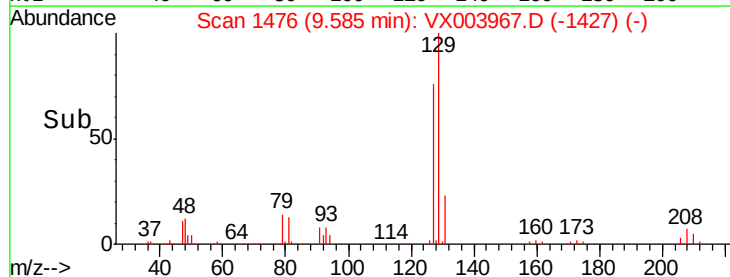
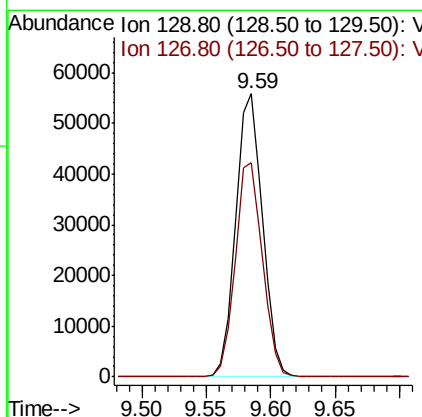
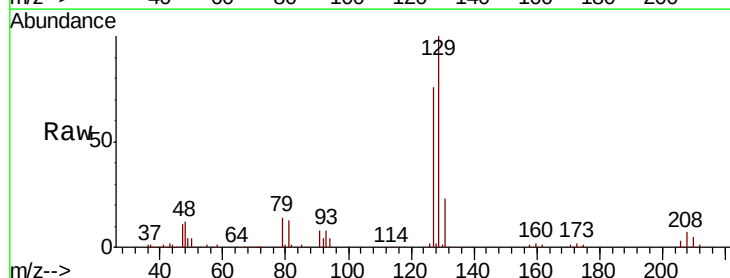
Manual Integrations  
APPROVED

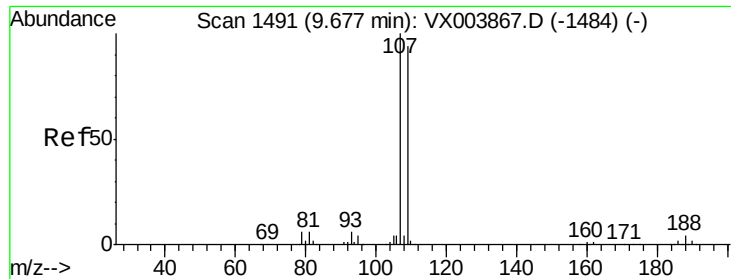
MMDadoda  
8/13/2018 11:02:00 AM



#60  
Dibromochloromethane  
Concen: 20.75 ug/l  
RT: 9.59 min Scan# 1476  
Delta R.T. -0.00 min  
Lab File: VX003967.D  
Acq: 10 Aug 2018 10:58

Tgt Ion: 129 Resp: 80638  
Ion Ratio Lower Upper  
129 100  
127 76.8 38.8 116.3





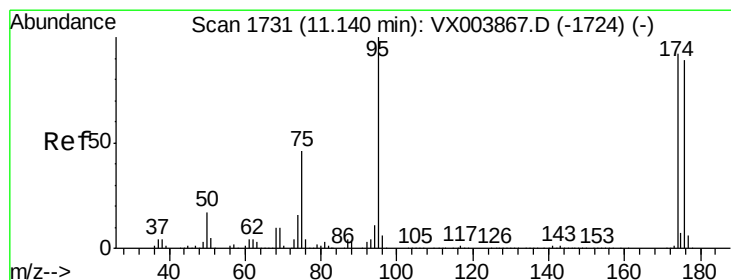
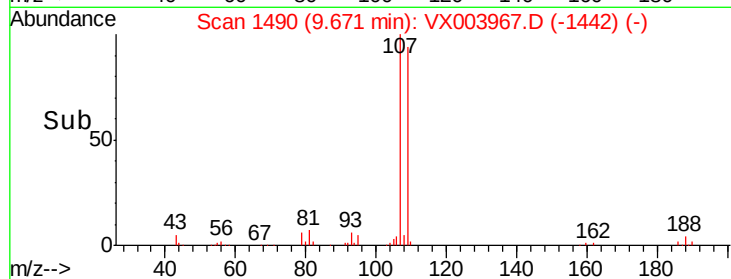
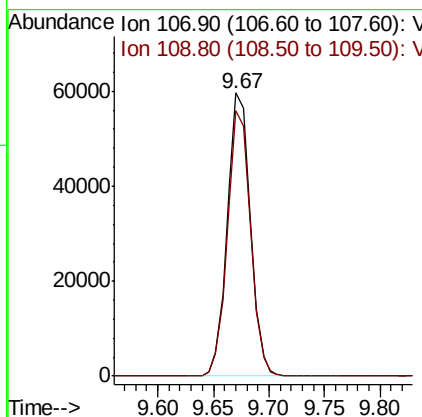
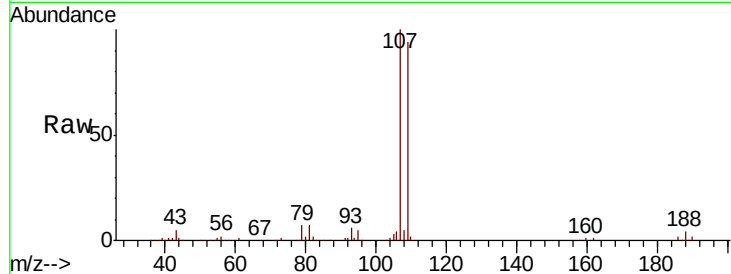
#61  
 1,2-Dibromoethane  
 Concen: 20.52 ug/l  
 RT: 9.67 min Scan# 1490  
 Delta R.T. -0.01 min  
 Lab File: VX003967.D  
 Acq: 10 Aug 2018 10:58

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0810WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 93.8  | 75.8  | 113.8 |

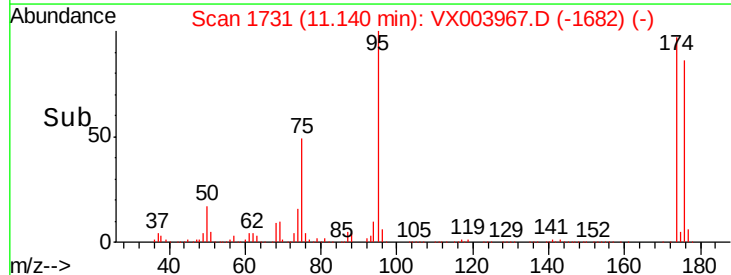
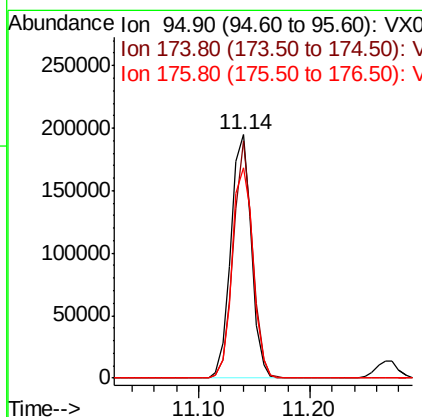
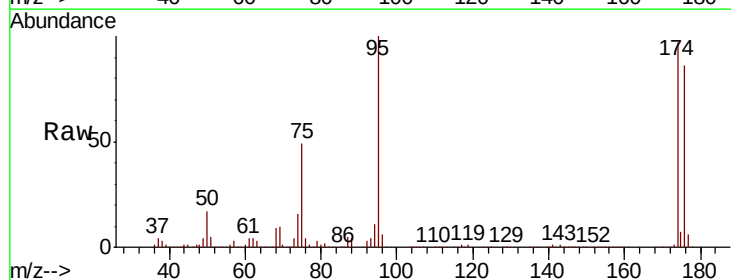
Manual Integrations  
 APPROVED

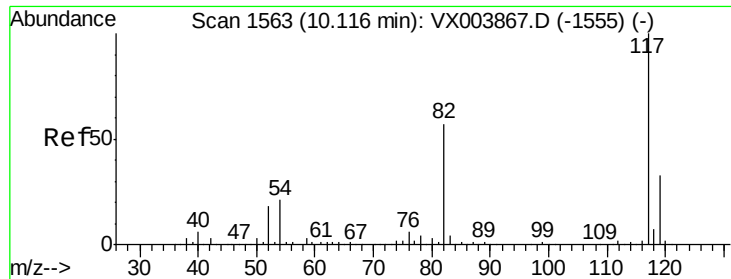
MMDadoda  
 8/13/2018 11:02:00 AM



#62  
 4-Bromofluorobenzene  
 Concen: 54.09 ug/l  
 RT: 11.14 min Scan# 1731  
 Delta R.T. -0.00 min  
 Lab File: VX003967.D  
 Acq: 10 Aug 2018 10:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 91.3  | 0.0   | 182.8 |
| 176     | 88.9  | 0.0   | 179.0 |





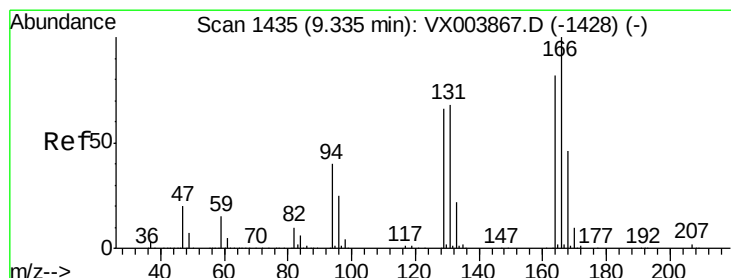
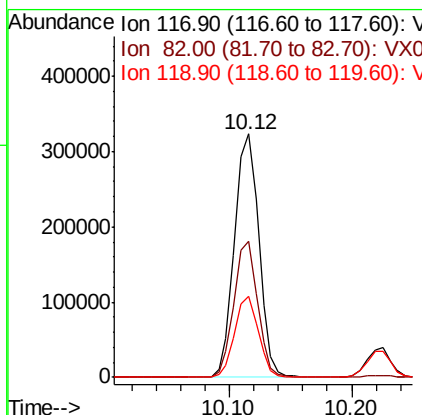
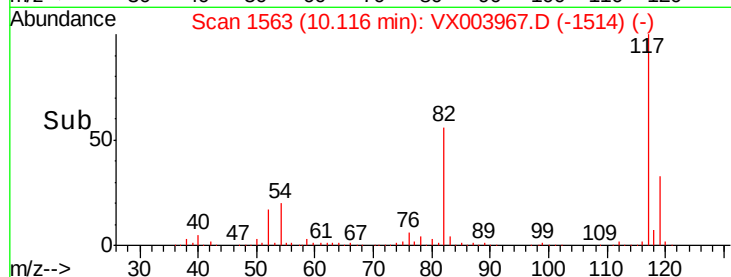
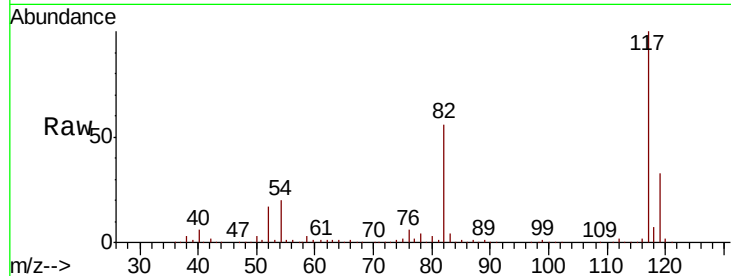
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. -0.00 min  
Lab File: VX003967.D  
Acq: 10 Aug 2018 10:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0810WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 55.9  | 45.4  | 68.0  |
| 119     | 33.2  | 26.6  | 40.0  |

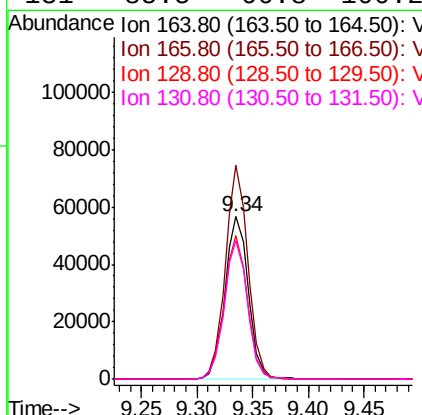
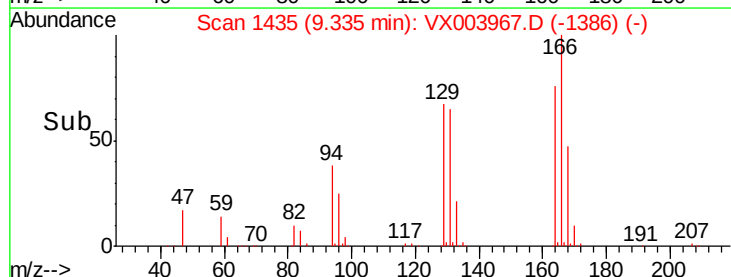
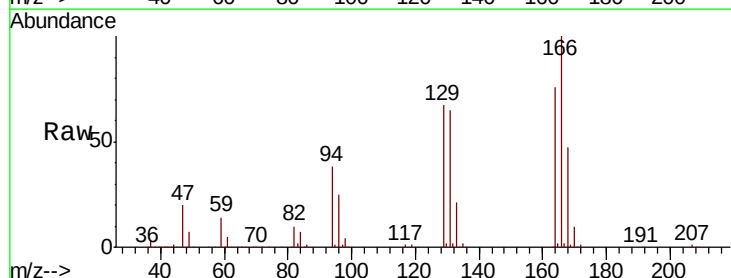
Manual Integrations  
APPROVED

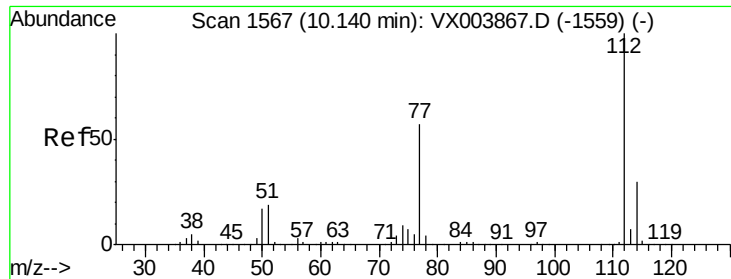
MMDadoda  
8/13/2018 11:02:00 AM



#64  
Tetrachloroethene  
Concen: 18.69 ug/l  
RT: 9.34 min Scan# 1435  
Delta R.T. -0.00 min  
Lab File: VX003967.D  
Acq: 10 Aug 2018 10:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 131.6 | 98.0  | 147.0 |
| 129     | 88.5  | 64.3  | 96.5  |
| 131     | 85.5  | 66.8  | 100.2 |





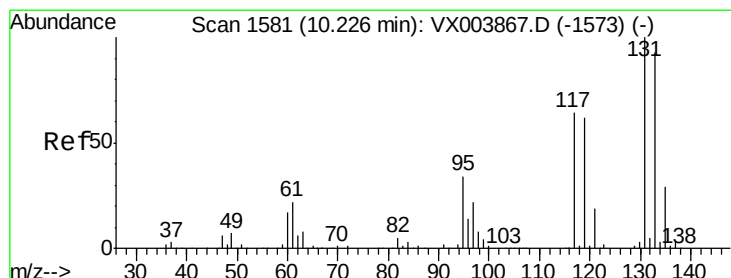
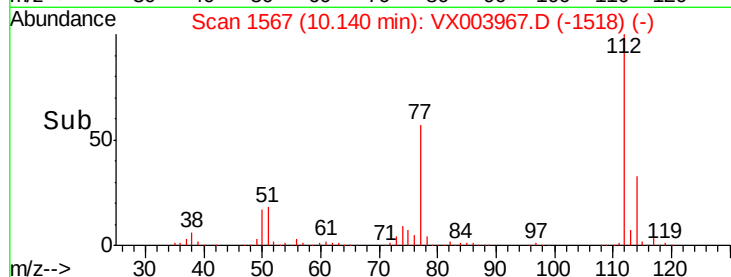
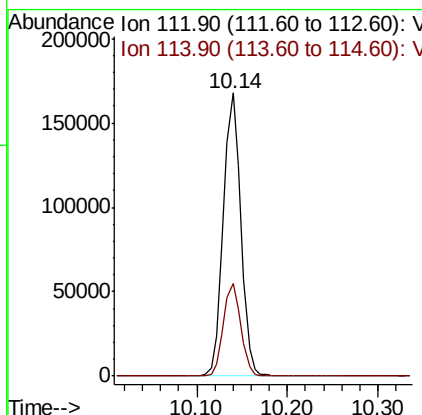
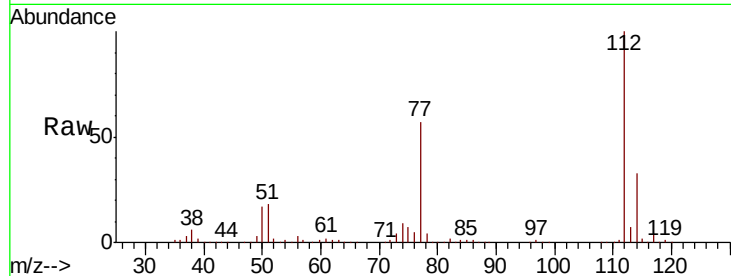
#65  
Chlorobenzene  
Concen: 19.57 ug/l  
RT: 10.14 min Scan# 1567  
Delta R.T. -0.00 min  
Lab File: VX003967.D  
Acq: 10 Aug 2018 10:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0810WBS01

Tot Ion:112 Resp: 226839  
Ion Ratio Lower Upper  
112 100  
114 32.8 23.6 35.4

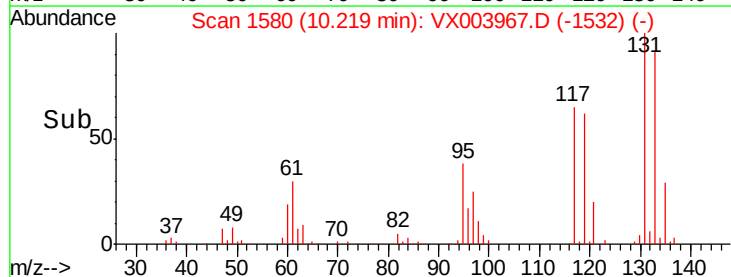
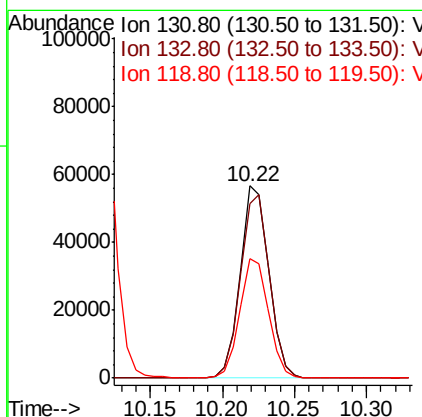
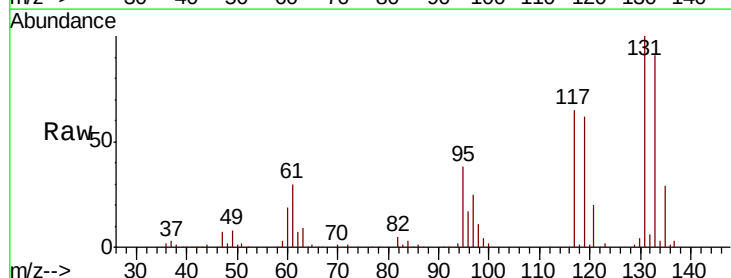
Manual Integrations  
APPROVED

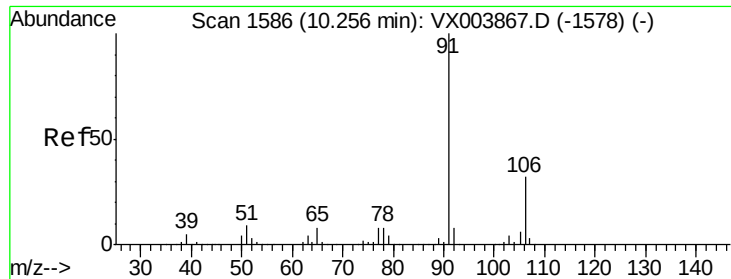
MMDadoda  
8/13/2018 11:02:00 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 19.53 ug/l  
RT: 10.22 min Scan# 1580  
Delta R.T. -0.01 min  
Lab File: VX003967.D  
Acq: 10 Aug 2018 10:58

Tgt Ion:131 Resp: 77797  
Ion Ratio Lower Upper  
131 100  
133 96.8 47.3 141.8  
119 62.9 31.6 94.8





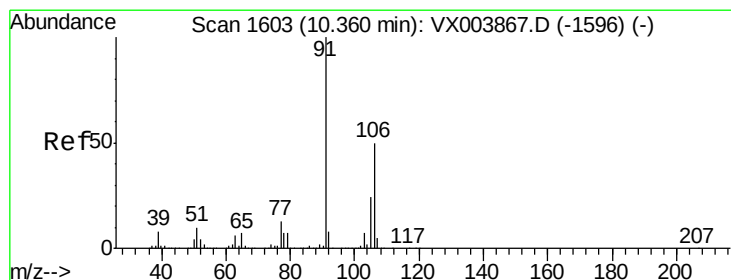
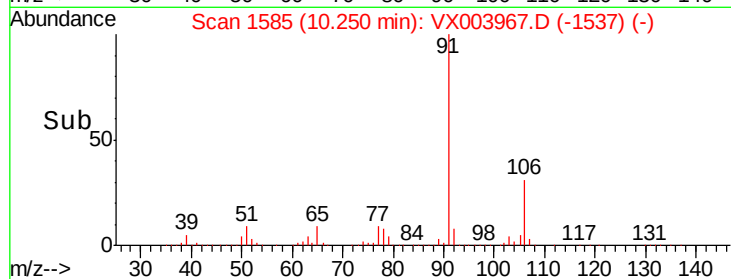
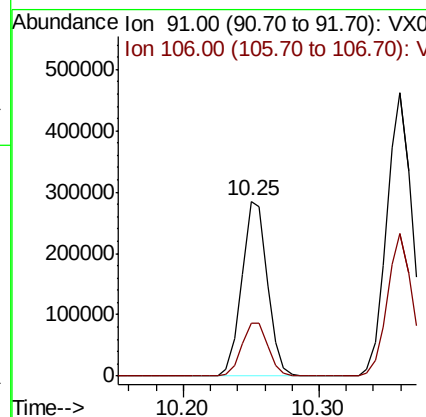
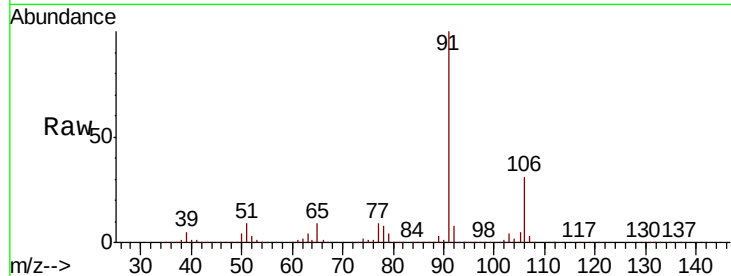
#67  
Ethyl Benzene  
Concen: 19.74 ug/l  
RT: 10.25 min Scan# 1585  
Delta R.T. -0.01 min  
Lab File: VX003967.D  
Acq: 10 Aug 2018 10:58

Instrument :  
MSVOA\_X  
ClientSampled :  
VX0810WBS01

Tot Ion: 91 Resp: 374566  
Ion Ratio Lower Upper  
91 100  
106 30.6 25.9 38.9

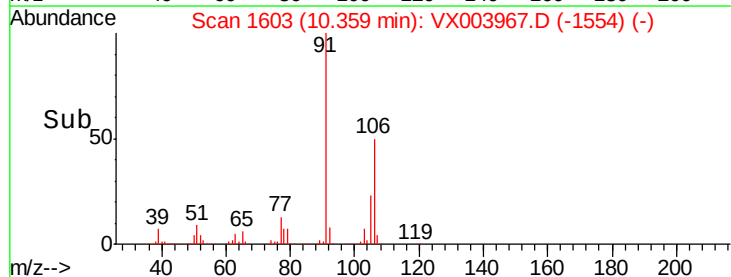
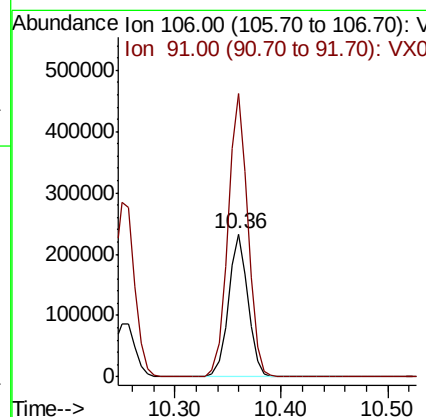
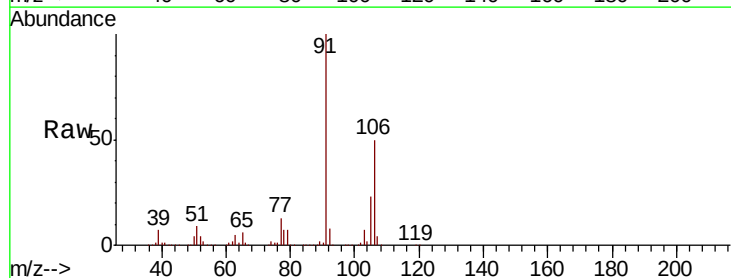
Manual Integrations  
APPROVED

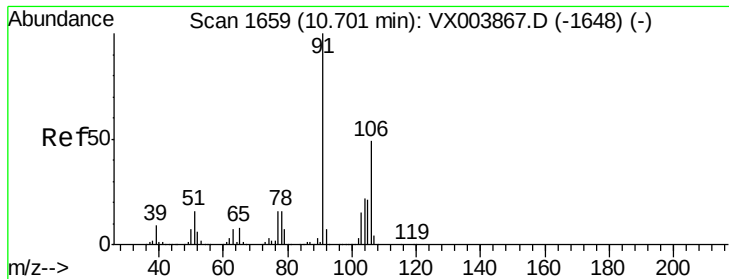
MMDadoda  
8/13/2018 11:02:00 AM



#68  
m/p-Xylenes  
Concen: 40.12 ug/l  
RT: 10.36 min Scan# 1603  
Delta R.T. -0.00 min  
Lab File: VX003967.D  
Acq: 10 Aug 2018 10:58

Tgt Ion: 106 Resp: 297409  
Ion Ratio Lower Upper  
106 100  
91 202.3 162.3 243.5





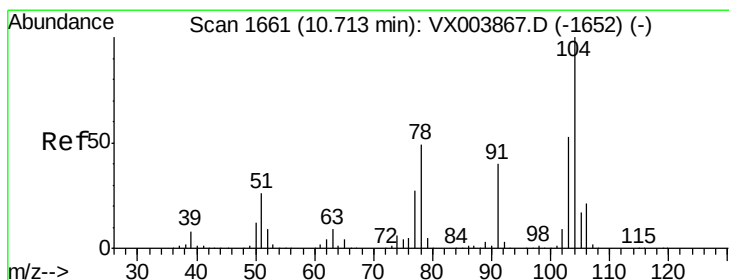
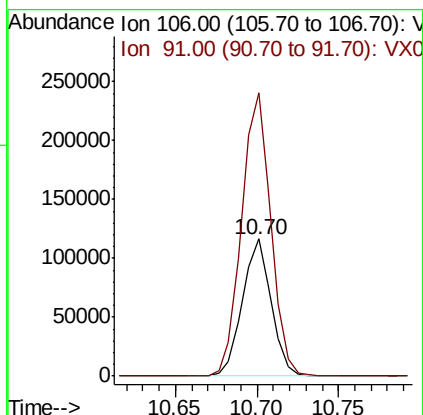
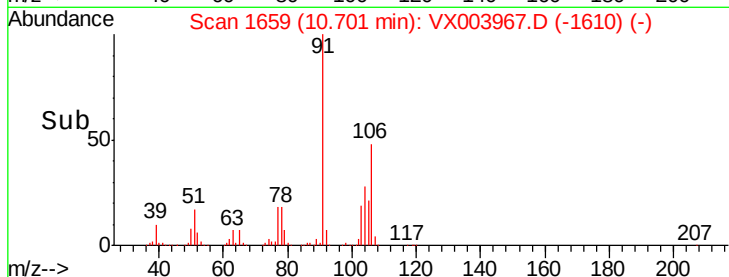
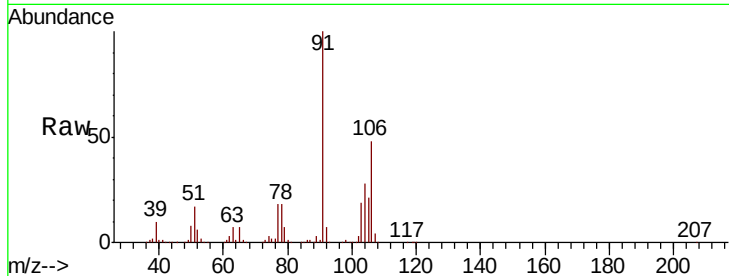
#69  
o-Xylene  
Concen: 20.51 ug/l  
RT: 10.70 min Scan# 1659  
Delta R.T. -0.00 min  
Lab File: VX003967.D  
Acq: 10 Aug 2018 10:58

Instrument :  
MSVOA\_X  
ClientSampled :  
VX0810WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 210.3 | 101.9 | 305.7 |

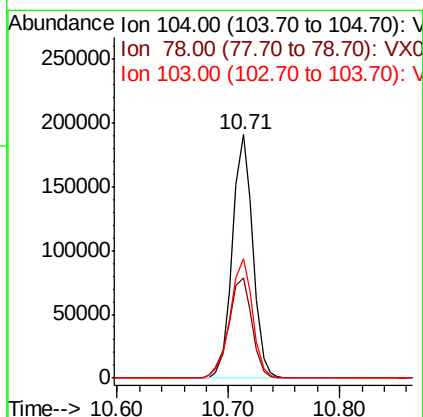
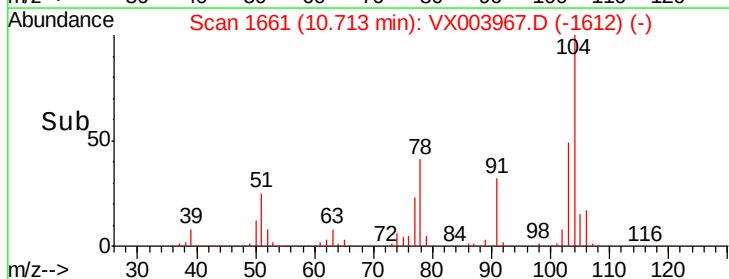
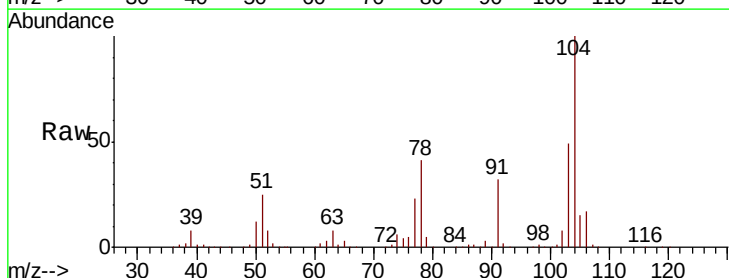
Manual Integrations  
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MMDadoda  
8/13/2018 11:02:00 AM

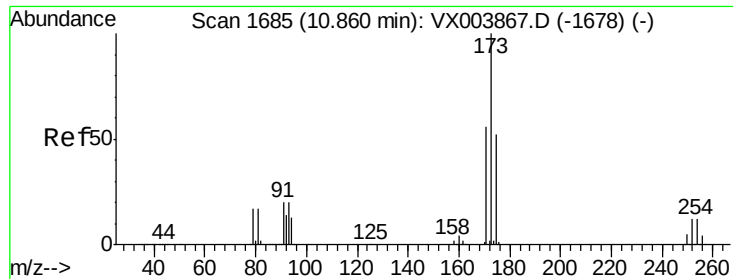


#70  
Styrene  
Concen: 21.10 ug/l  
RT: 10.71 min Scan# 1661  
Delta R.T. -0.00 min  
Lab File: VX003967.D  
Acq: 10 Aug 2018 10:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 47.0  | 39.8  | 59.6  |
| 103     | 54.0  | 44.3  | 66.5  |







#71

Bromoform

Concen: 19.52 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003967.D

Acq: 10 Aug 2018 10:58

Instrument :

MSVOA\_X

ClientSampleId :

VX0810WBS01

Tot Ion:173 Resp: 59577

Ion Ratio Lower Upper

173 100

175 49.2 24.9 74.7

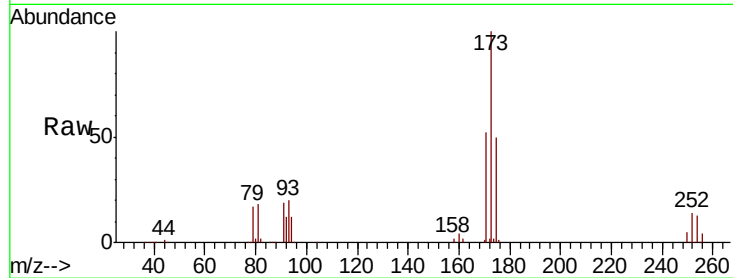
254 0.1 0.2 0.2#

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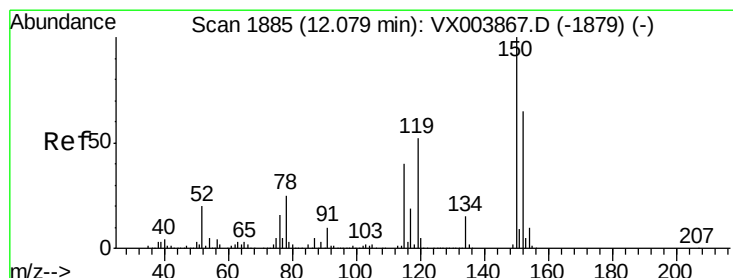
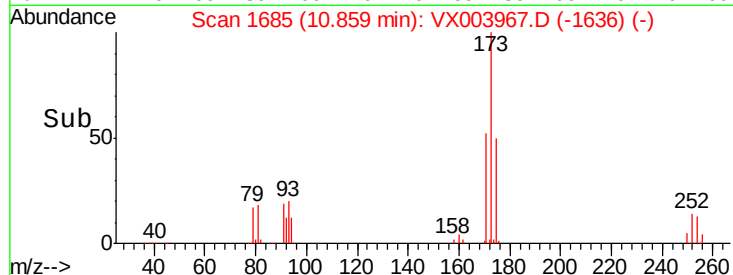
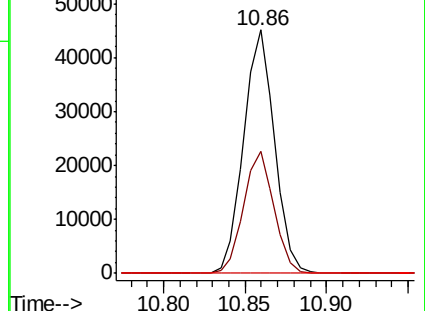
8/13/2018 11:02:00 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX003967.D

Acq: 10 Aug 2018 10:58

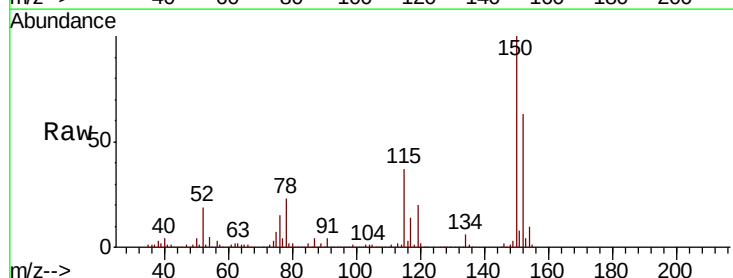
Tgt Ion:152 Resp: 265385

Ion Ratio Lower Upper

152 100

115 65.0 39.1 117.3

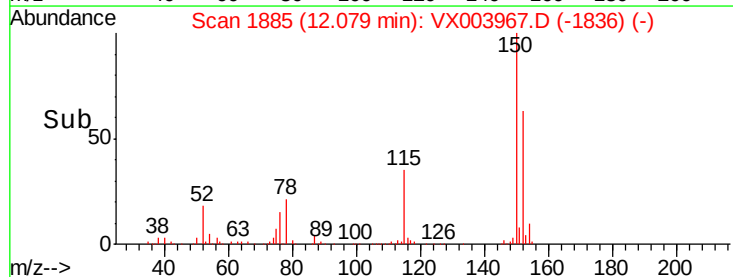
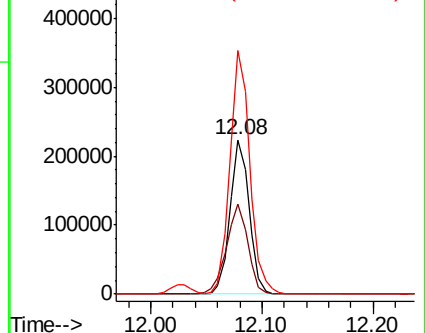
150 165.0 0.0 349.2

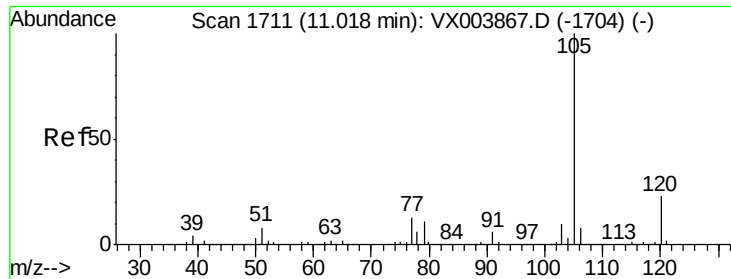


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.71 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX003967.D

Acq: 10 Aug 2018 10:58

Instrument :

MSVOA\_X

ClientSampleId :

VX0810WBS01

Tot Ion: 105 Resp: 386887

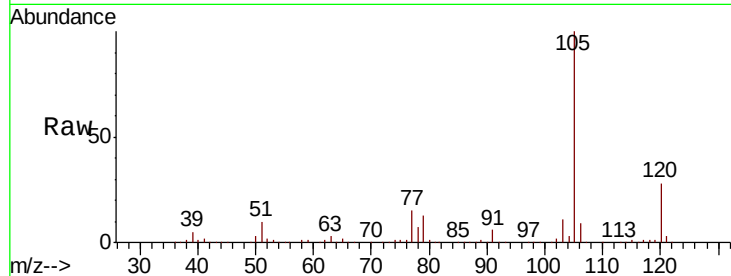
Ion Ratio Lower Upper

105 100

120 27.2 12.6 37.8

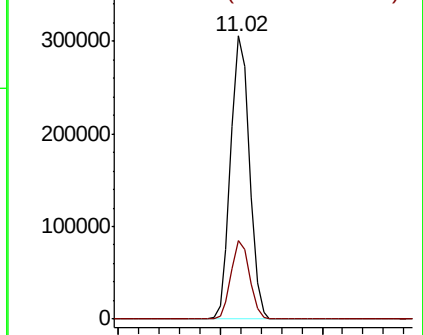
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8/13/2018 11:02:00 AM

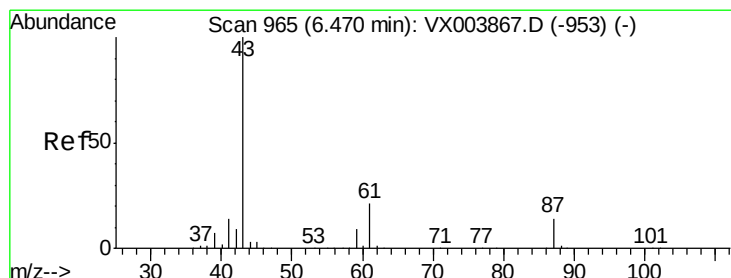
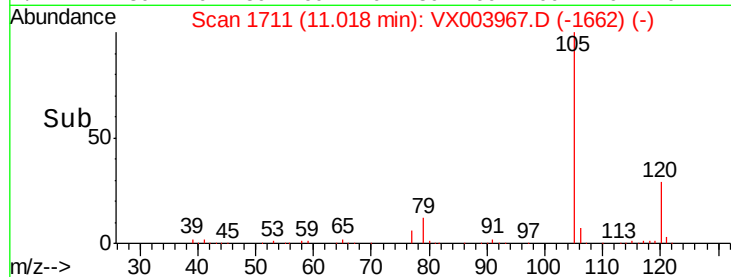


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 16.15 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX003967.D

Acq: 10 Aug 2018 10:58

Tgt Ion: 43 Resp: 164871

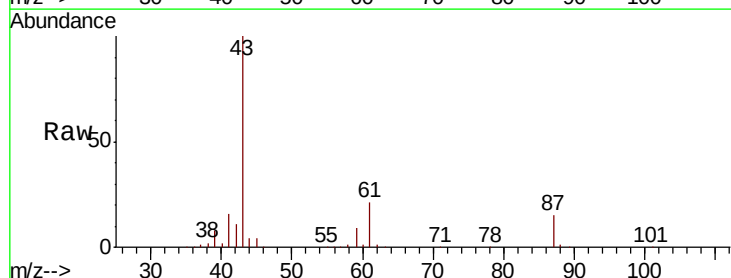
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1#

61 21.2 16.9 25.3

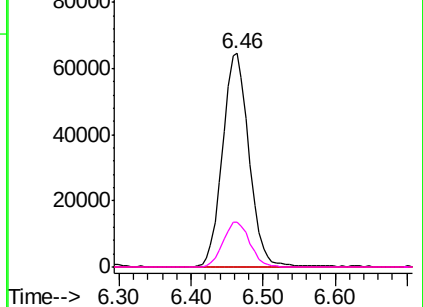


Abundance Ion 43.00 (42.70 to 43.70): VX0

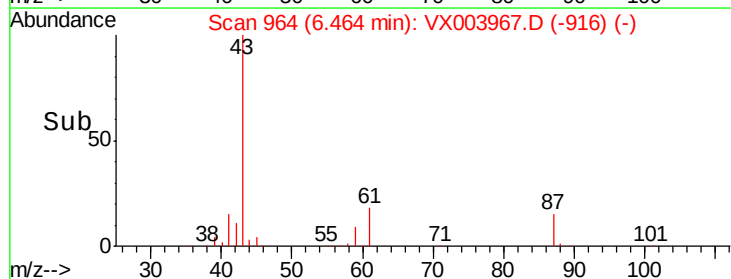
Ion 70.00 (69.70 to 70.70): VX0

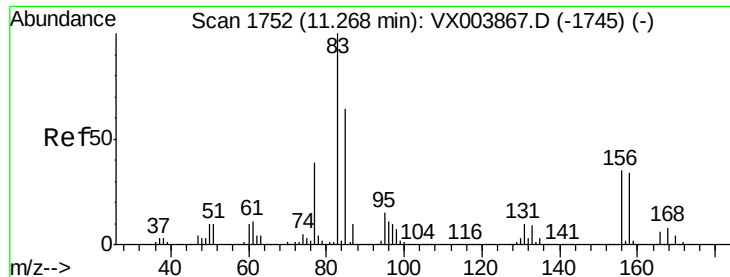
Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



Time--> 6.30 6.40 6.50 6.60





#75

1,1,2,2-Tetrachloroethane

Concen: 17.82 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX003967.D

Acq: 10 Aug 2018 10:58

Instrument :

MSVOA\_X

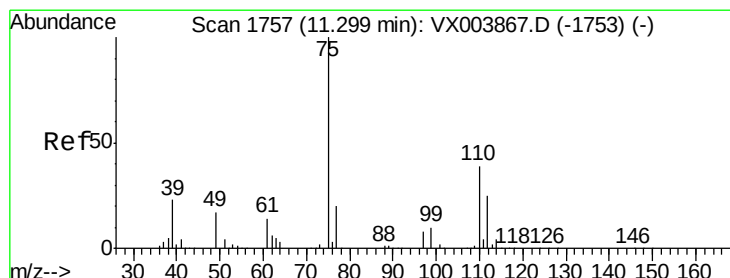
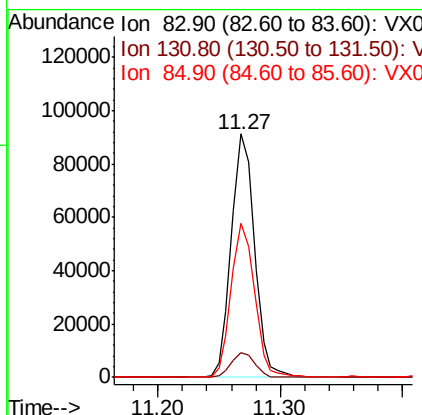
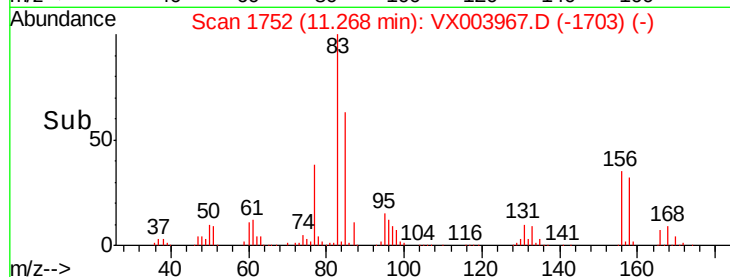
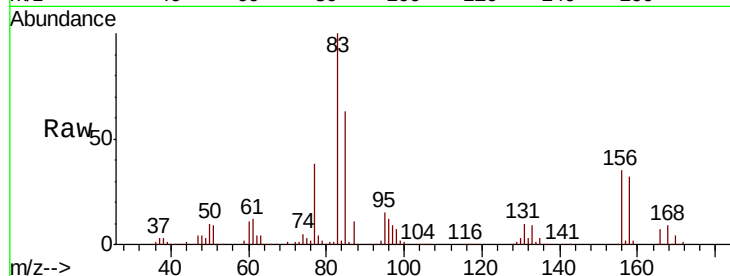
ClientSampled :

VX0810WBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 119914 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.4  | 5.2   | 15.6   |
| 85        | 64.2  | 32.2  | 96.6   |

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#76

1,2,3-Trichloropropane

Concen: 17.33 ug/l m

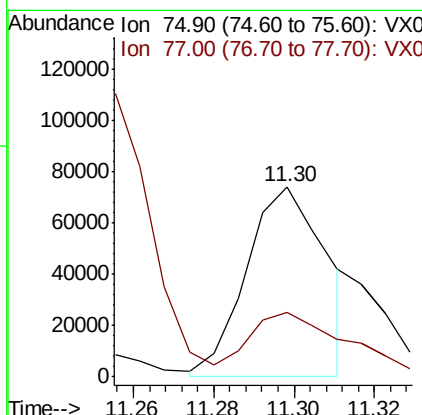
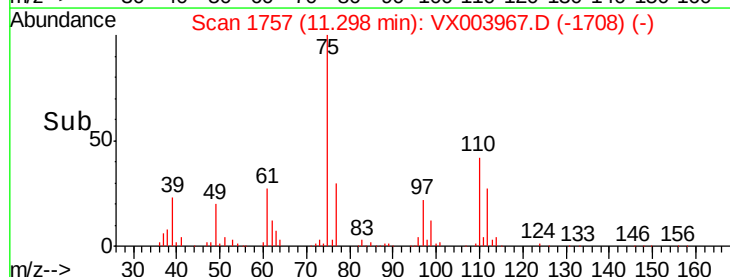
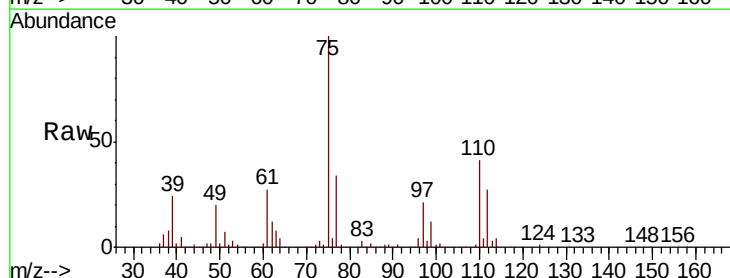
RT: 11.30 min Scan# 1757

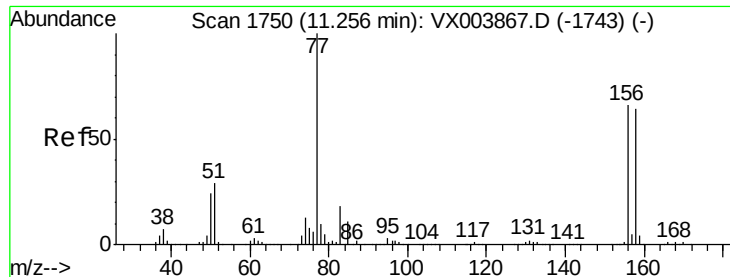
Delta R.T. -0.00 min

Lab File: VX003967.D

Acq: 10 Aug 2018 10:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 101589 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 42.4  | 20.8  | 62.5   |





#77

Bromobenzene

Concen: 18.65 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX003967.D

Acq: 10 Aug 2018 10:58

Instrument :

MSVOA\_X

ClientSampleId :

VX0810WBS01

Tot Ion:156 Resp: 97659

Ion Ratio Lower Upper

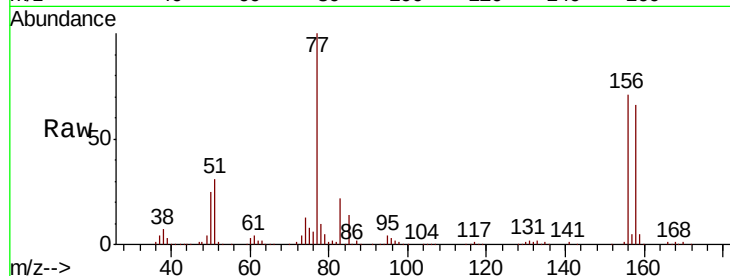
156 100

77 147.3 74.1 222.2

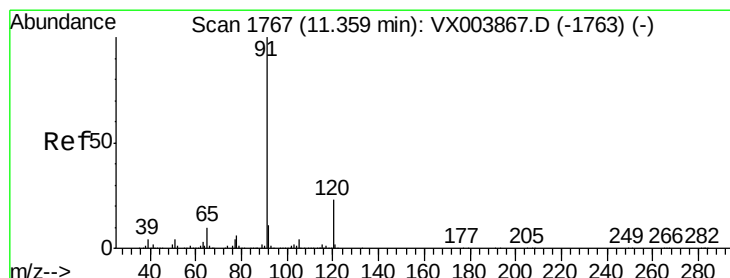
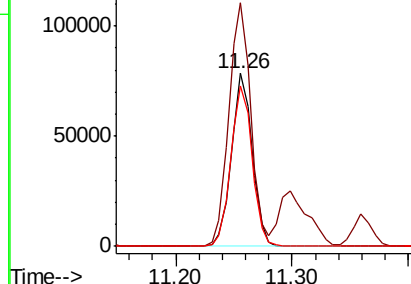
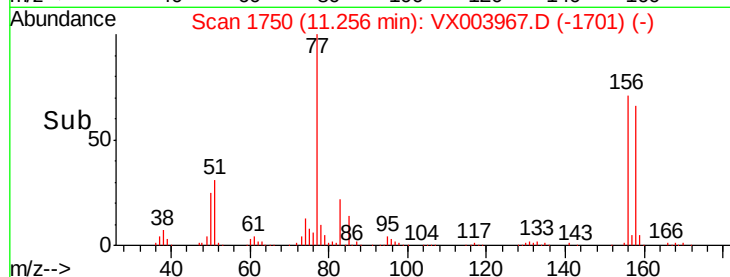
158 94.9 48.6 145.9

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Abundance Ion 155.80 (155.50 to 156.50): V  
150000 Ion 77.00 (76.70 to 77.70): VX0  
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.05 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX003967.D

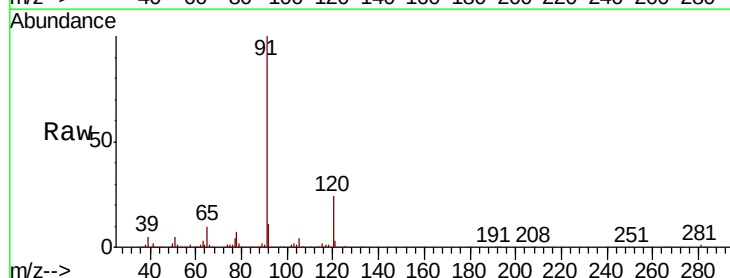
Acq: 10 Aug 2018 10:58

Tgt Ion: 91 Resp: 420016

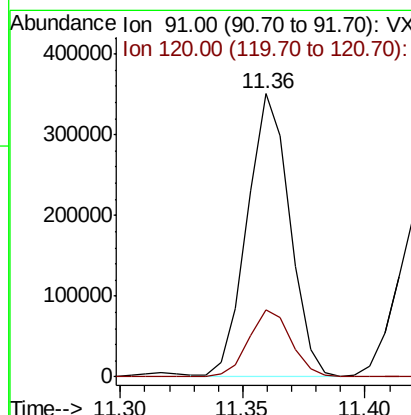
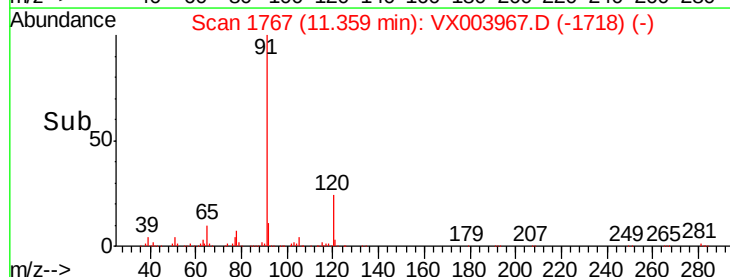
Ion Ratio Lower Upper

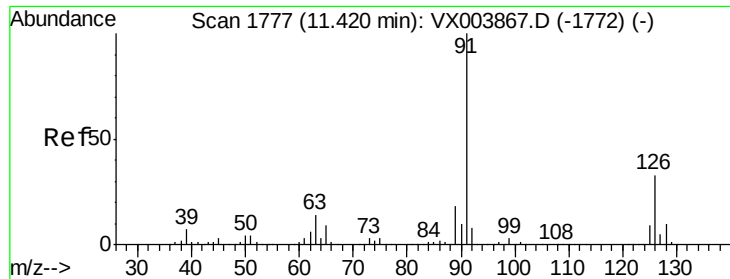
91 100

120 23.6 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0  
400000 Ion 120.00 (119.70 to 120.70): V





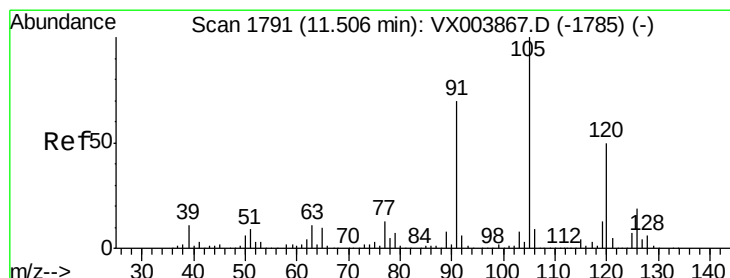
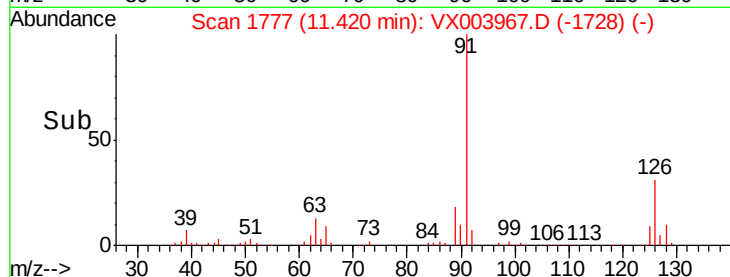
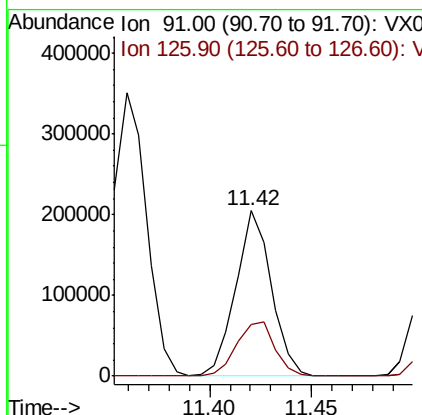
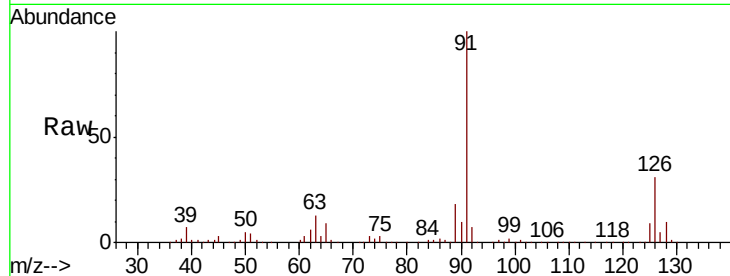
#79  
 2-Chlorotoluene  
 Concen: 18.33 ug/l  
 RT: 11.42 min Scan# 1777  
 Delta R.T. -0.00 min  
 Lab File: VX003967.D  
 Acq: 10 Aug 2018 10:58

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0810WBS01

Tot Ion: 91 Resp: 246358  
 Ion Ratio Lower Upper  
 91 100  
 126 35.7 17.4 52.3

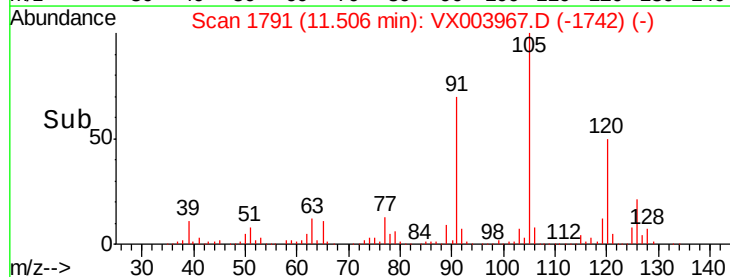
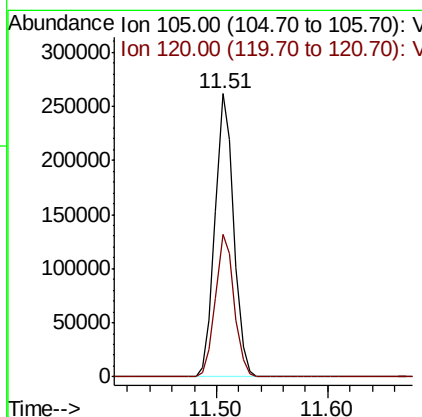
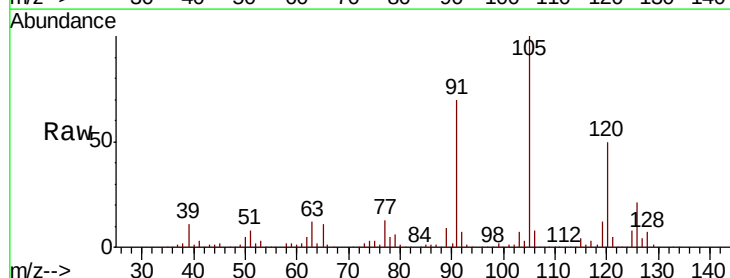
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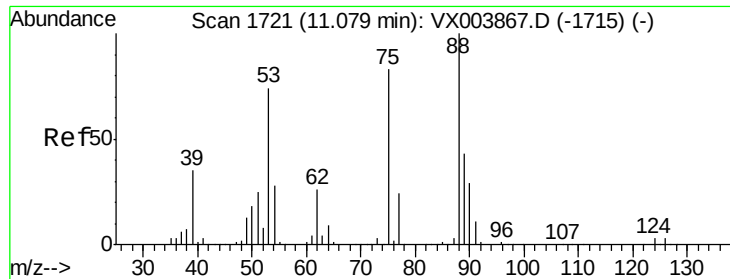
MMDadoda  
 8/13/2018 11:02:00 AM



#80  
 1,3,5-Trimethylbenzene  
 Concen: 19.02 ug/l  
 RT: 11.51 min Scan# 1791  
 Delta R.T. -0.00 min  
 Lab File: VX003967.D  
 Acq: 10 Aug 2018 10:58

Tgt Ion: 105 Resp: 304527  
 Ion Ratio Lower Upper  
 105 100  
 120 50.6 25.4 76.2





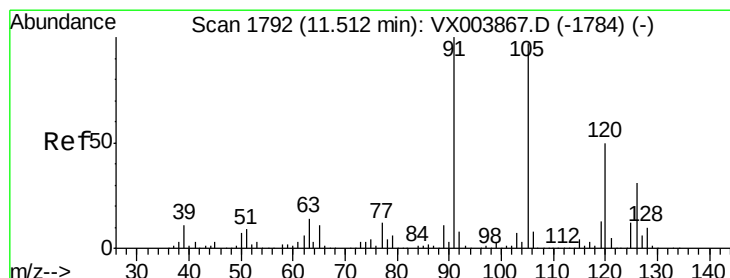
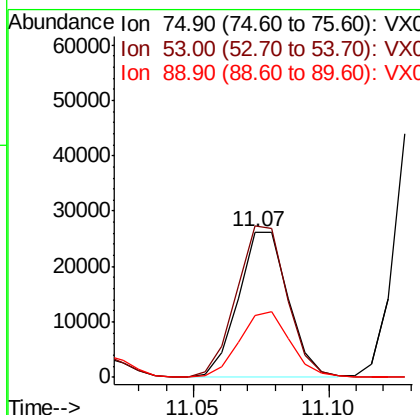
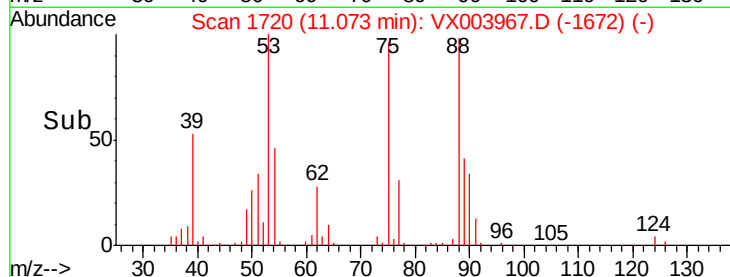
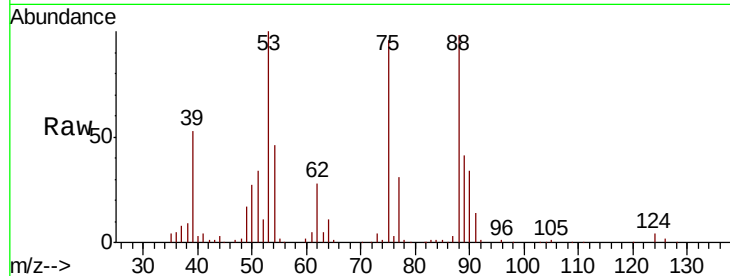
#81  
trans-1,4-Dichloro-2-butene  
Concen: 16.98 ug/l  
RT: 11.07 min Scan# 1720  
Delta R.T. -0.01 min  
Lab File: VX003967.D  
Acq: 10 Aug 2018 10:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0810WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 105.0 | 80.3  | 120.5 |
| 89      | 46.6  | 37.8  | 56.8  |

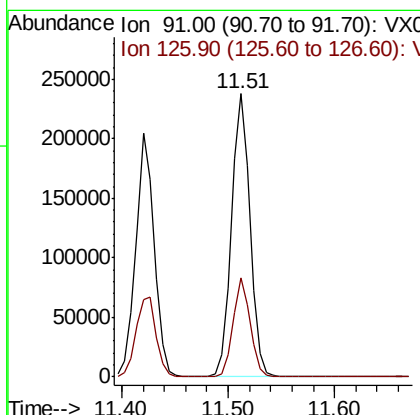
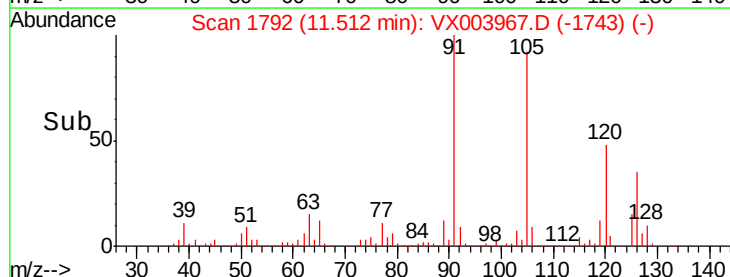
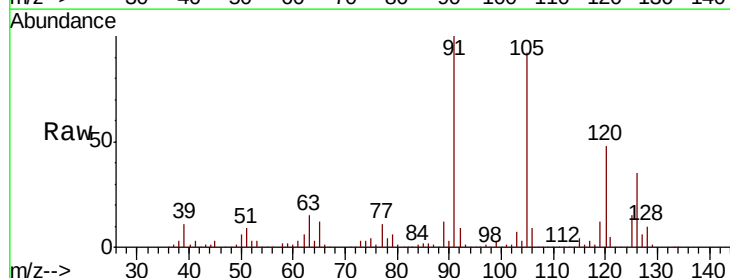
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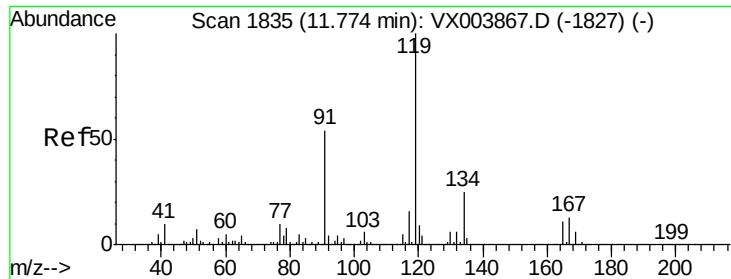
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#82  
4-Chlorotoluene  
Concen: 18.40 ug/l  
RT: 11.51 min Scan# 1792  
Delta R.T. -0.00 min  
Lab File: VX003967.D  
Acq: 10 Aug 2018 10:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 32.5  | 15.6  | 46.7  |





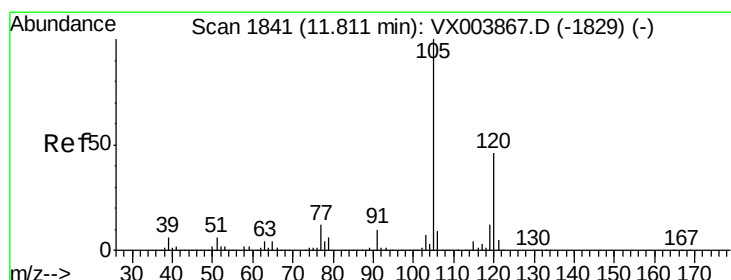
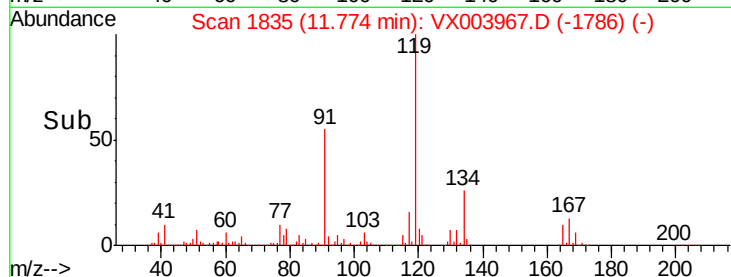
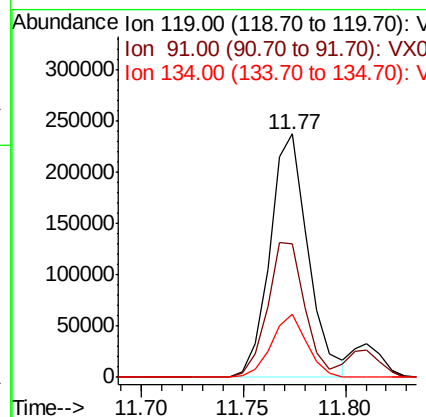
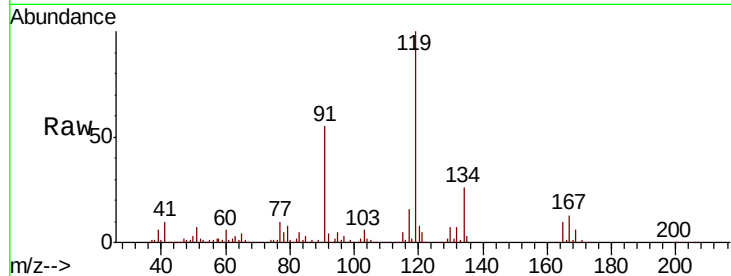
#83  
tert-Butylbenzene  
Concen: 19.60 ug/l  
RT: 11.77 min Scan# 1835  
Delta R.T. -0.00 min  
Lab File: VX003967.D  
Acq: 10 Aug 2018 10:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0810WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 54.1  | 26.9  | 80.7  |
| 134     | 24.1  | 12.0  | 36.0  |

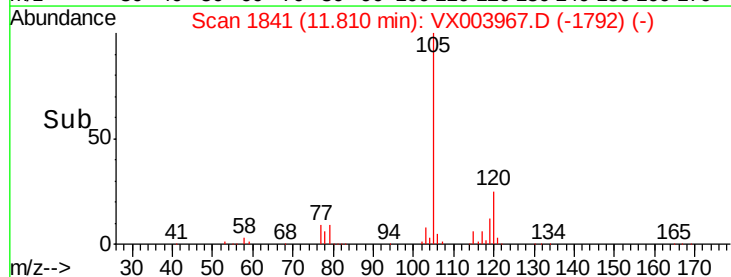
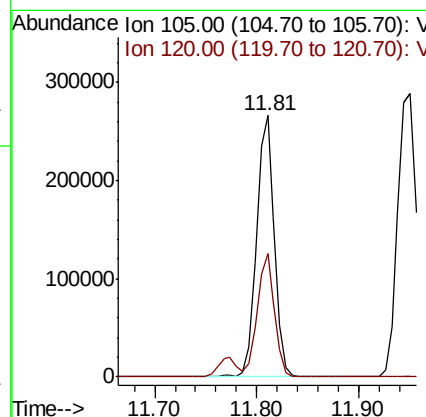
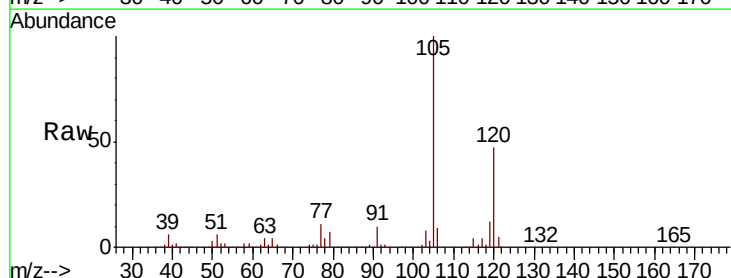
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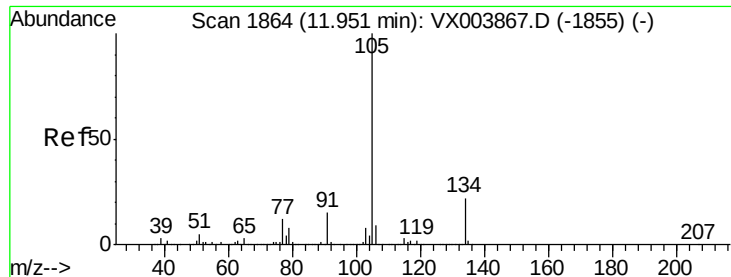
MMDadoda  
8/13/2018 11:02:00 AM



#84  
1,2,4-Trimethylbenzene  
Concen: 20.21 ug/l  
RT: 11.81 min Scan# 1841  
Delta R.T. -0.00 min  
Lab File: VX003967.D  
Acq: 10 Aug 2018 10:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 45.6  | 23.1  | 69.2  |





#85

sec-Butylbenzene

Concen: 20.12 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX003967.D

Acq: 10 Aug 2018 10:58

Instrument :

MSVOA\_X

ClientSampled :

VX0810WBS01

Tot Ion:105 Resp: 374035

Ion Ratio Lower Upper

105 100

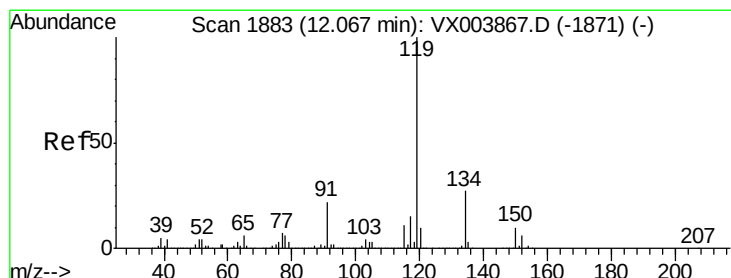
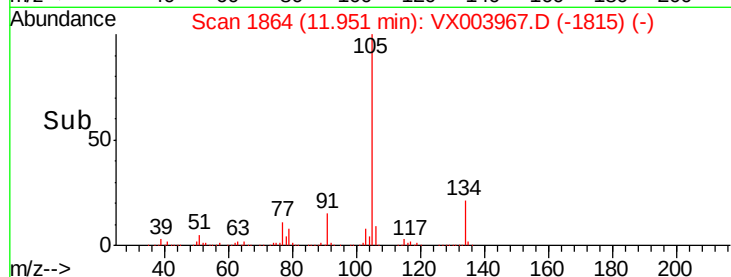
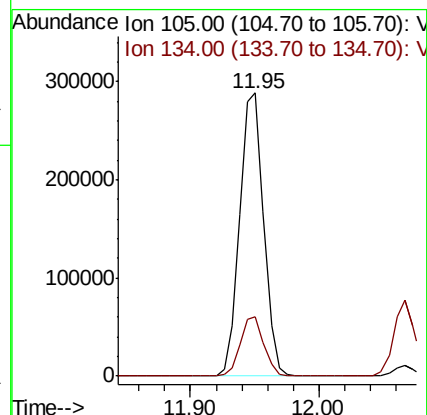
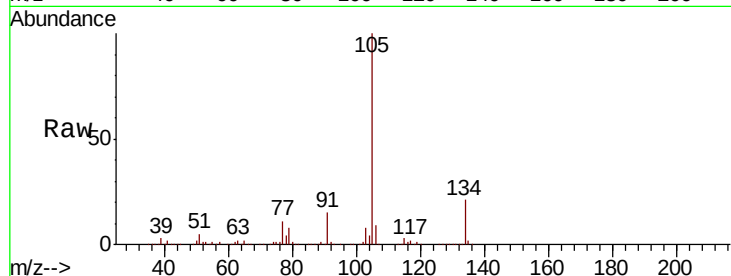
134 20.5 10.3 30.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.46 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX003967.D

Acq: 10 Aug 2018 10:58

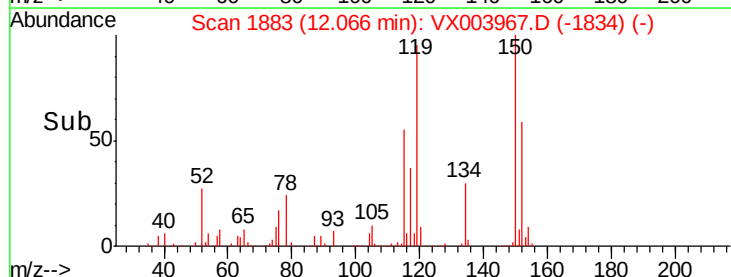
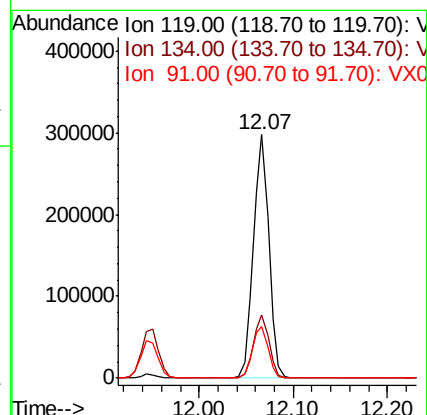
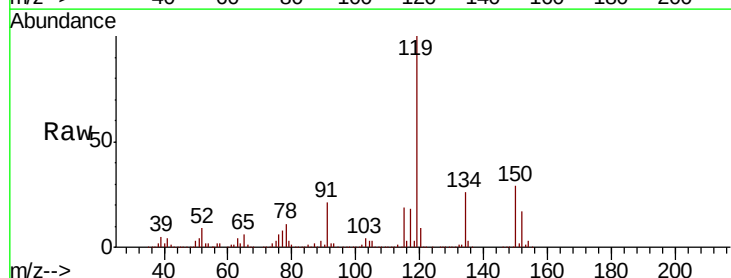
Tgt Ion:119 Resp: 341170

Ion Ratio Lower Upper

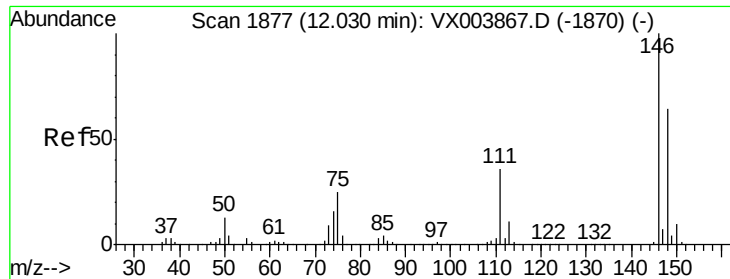
119 100

134 26.0 13.3 39.8

91 21.6 10.9 32.7







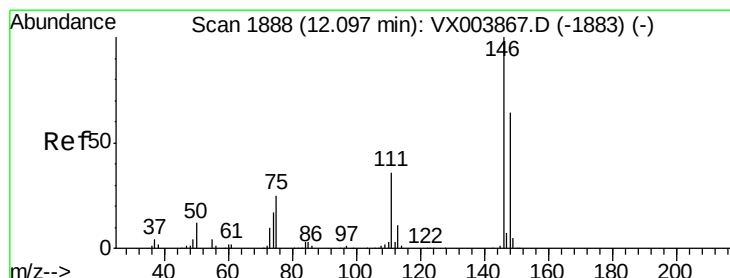
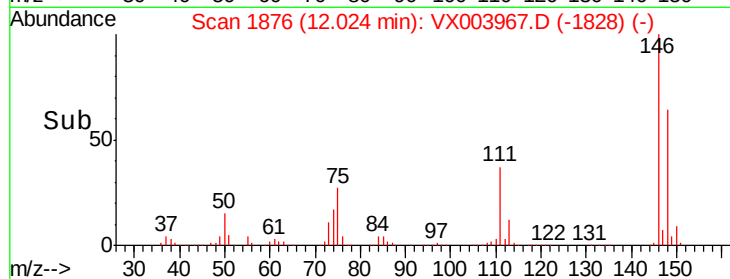
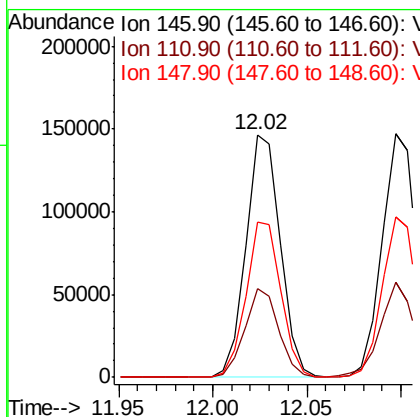
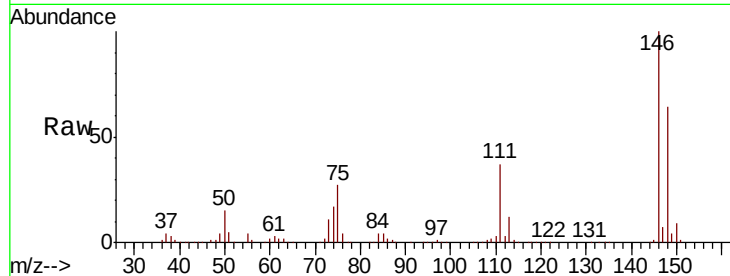
#87  
 1,3-Dichlorobenzene  
 Concen: 19.17 ug/l  
 RT: 12.02 min Scan# 1876  
 Delta R.T. -0.01 min  
 Lab File: VX003967.D  
 Acq: 10 Aug 2018 10:58

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0810WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.0  | 18.8  | 56.4  |
| 148     | 64.8  | 31.9  | 95.5  |

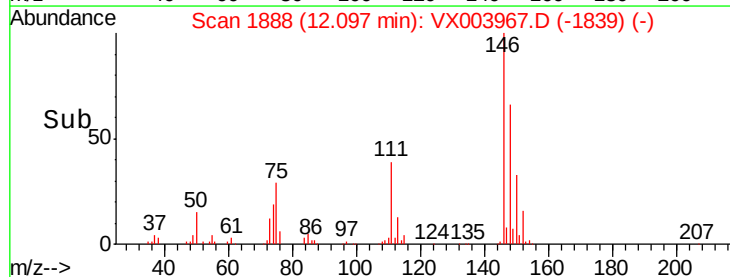
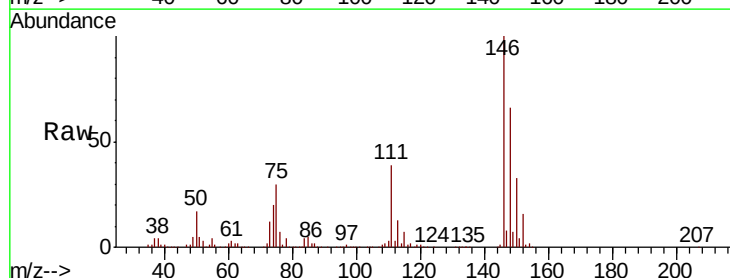
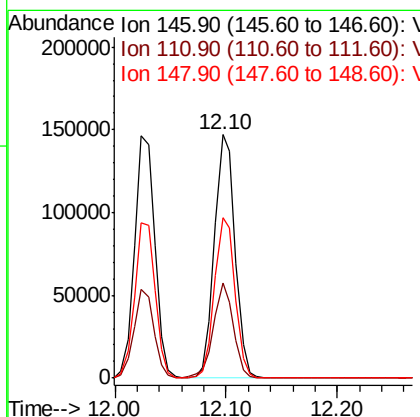
Manual Integrations  
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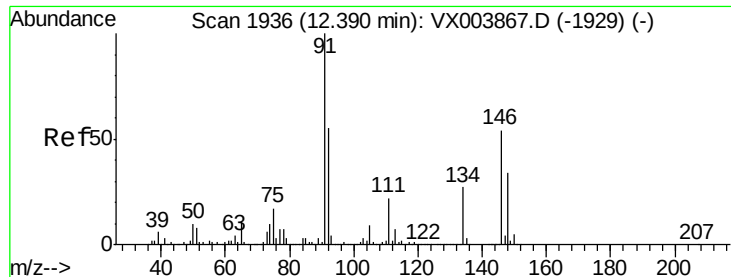
MMDadoda  
 8/13/2018 11:02:00 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 20.10 ug/l  
 RT: 12.10 min Scan# 1888  
 Delta R.T. -0.00 min  
 Lab File: VX003967.D  
 Acq: 10 Aug 2018 10:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.9  | 18.4  | 55.0  |
| 148     | 65.9  | 32.3  | 96.8  |





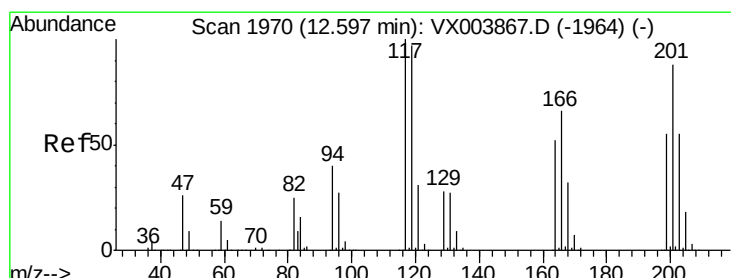
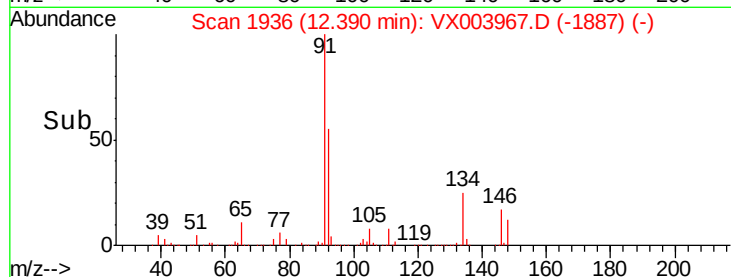
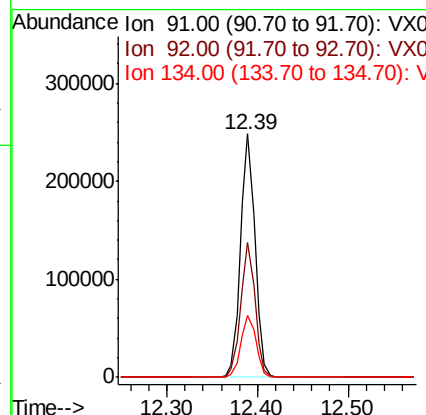
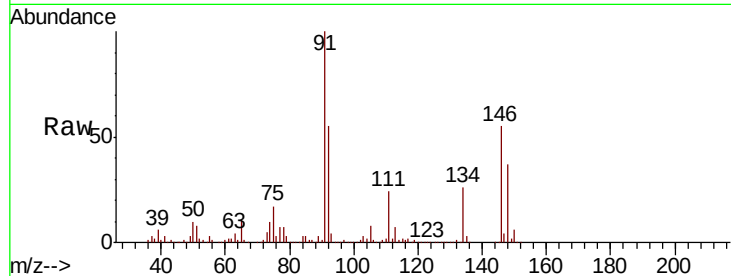
#89  
n-Butylbenzene  
Concen: 18.98 ug/l  
RT: 12.39 min Scan# 1936  
Delta R.T. -0.00 min  
Lab File: VX003967.D  
Acq: 10 Aug 2018 10:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0810WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 91      | 100   | 275808 |       |       |
| 92      | 54.8  |        | 27.1  | 81.3  |
| 134     | 26.6  |        | 13.6  | 40.7  |

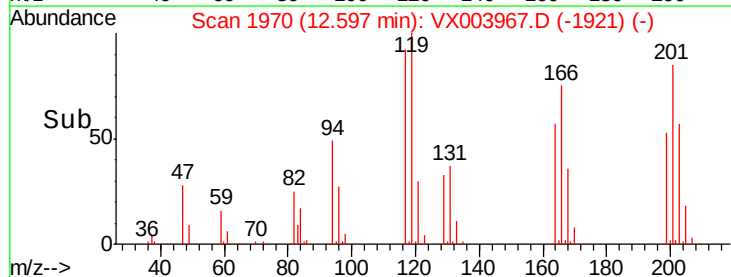
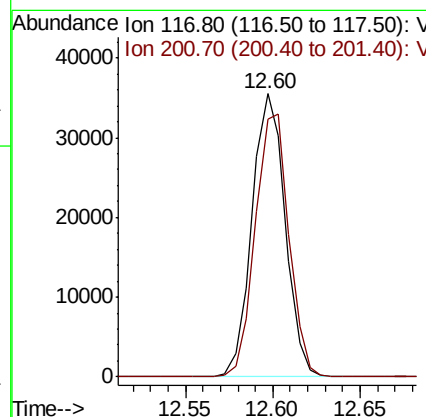
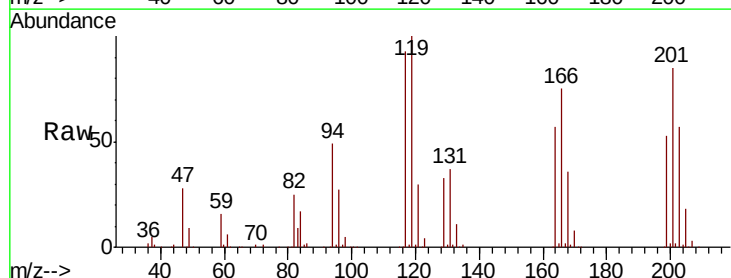
Manual Integrations  
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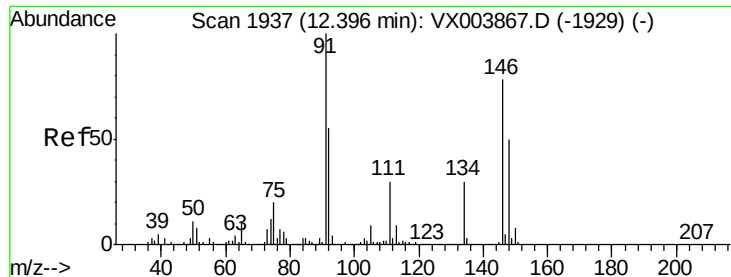
MMDadoda  
8/13/2018 11:02:00 AM



#90  
Hexachloroethane  
Concen: 17.28 ug/l  
RT: 12.60 min Scan# 1970  
Delta R.T. -0.00 min  
Lab File: VX003967.D  
Acq: 10 Aug 2018 10:58

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 117     | 100   | 46787 |       |       |
| 201     | 94.3  |       | 46.1  | 138.2 |





#91

1,2-Dichlorobenzene

Concen: 18.48 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.01 min

Lab File: VX003967.D

Acq: 10 Aug 2018 10:58

Instrument :

MSVOA\_X

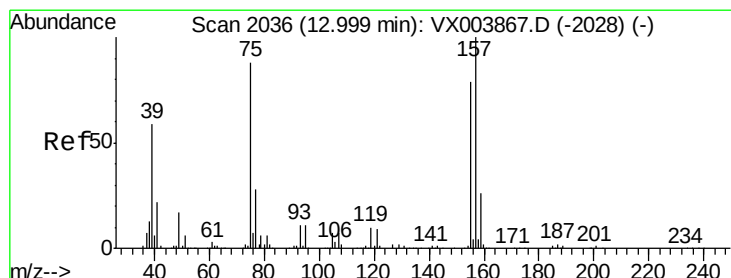
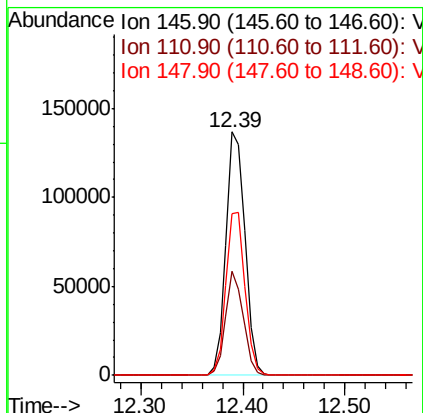
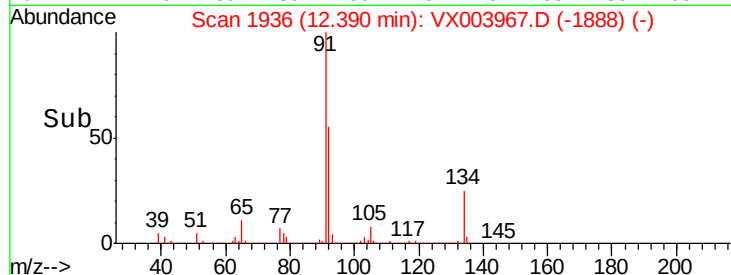
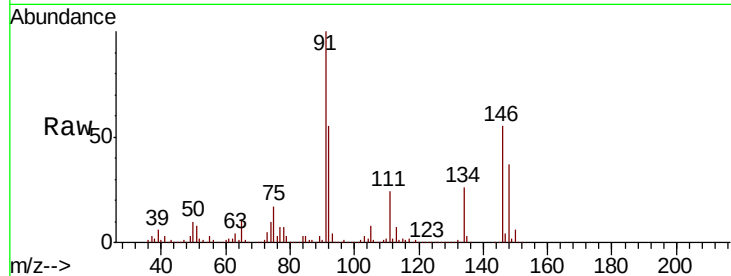
ClientSampleId :

VX0810WBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 177334 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 39.9  | 19.7  | 59.0   |
| 148       | 66.7  | 31.9  | 95.5   |

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8/13/2018 11:02:00 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 16.28 ug/l

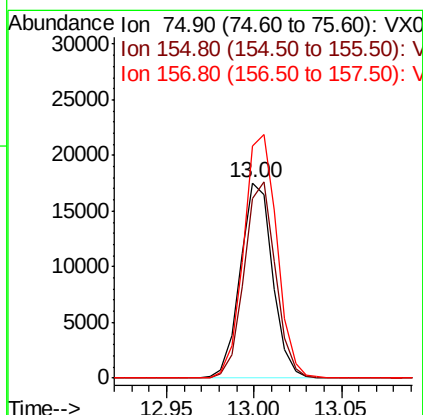
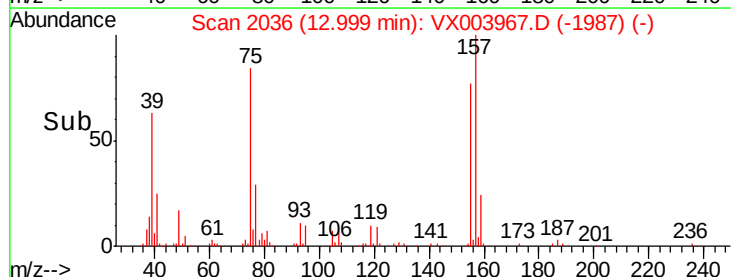
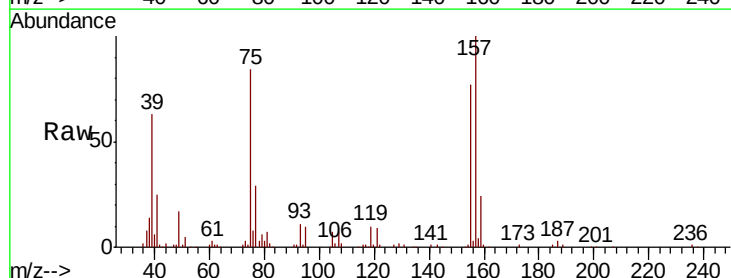
RT: 13.00 min Scan# 2036

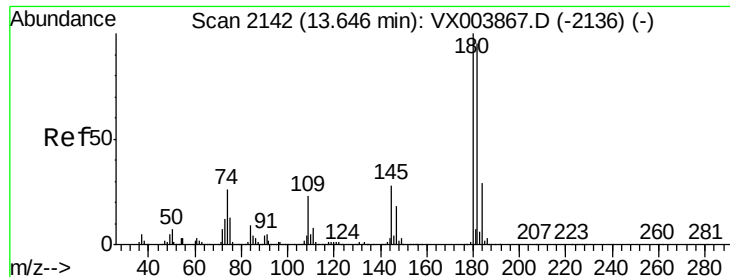
Delta R.T. -0.00 min

Lab File: VX003967.D

Acq: 10 Aug 2018 10:58

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 22437 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 97.3  | 48.7  | 146.1 |
| 157       | 128.5 | 62.6  | 187.8 |





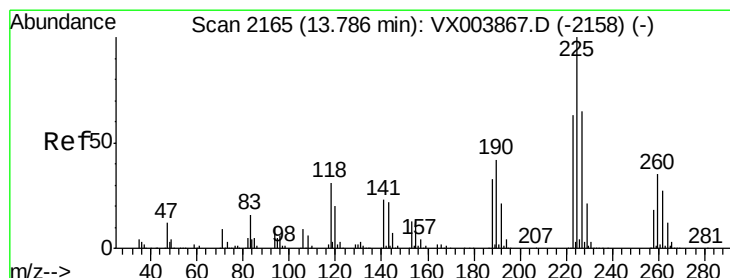
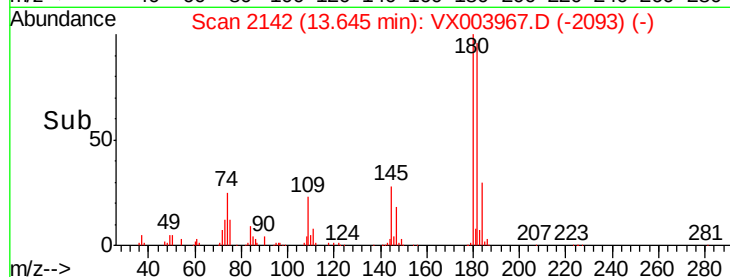
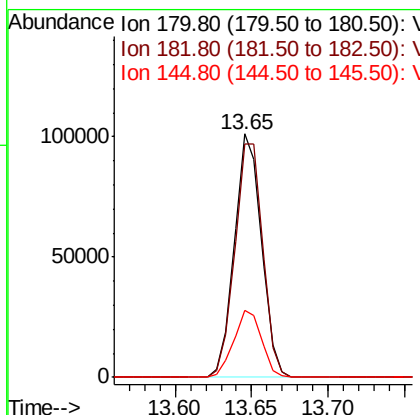
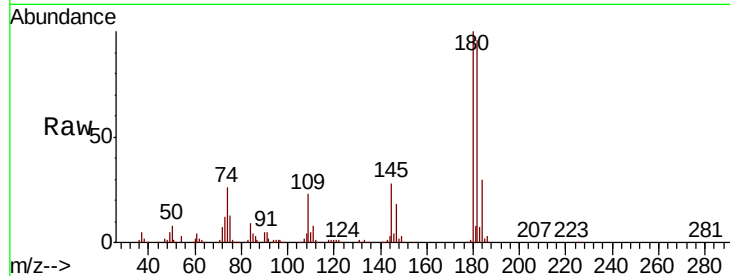
#93  
 1,2,4-Trichlorobenzene  
 Concen: 17.98 ug/l  
 RT: 13.65 min Scan# 2142  
 Delta R.T. -0.00 min  
 Lab File: VX003967.D  
 Acq: 10 Aug 2018 10:58

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0810WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 124097 |       |       |
| 182     | 99.0  | 47.7   | 143.1 |       |
| 145     | 28.3  | 13.9   | 41.6  |       |

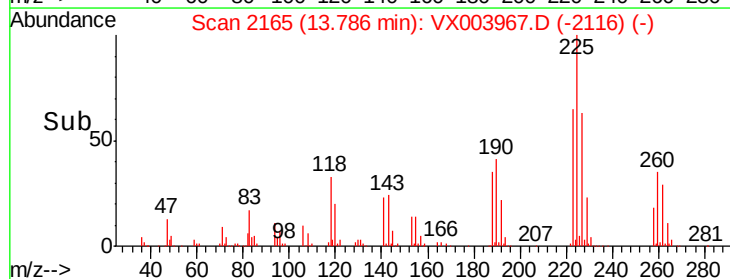
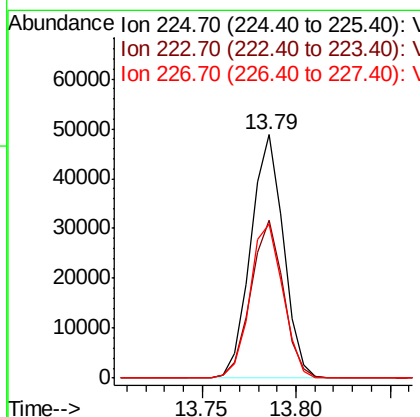
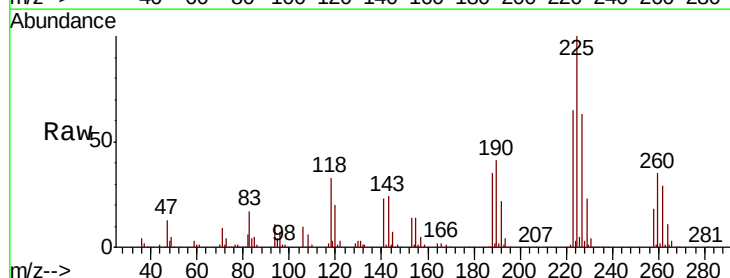
Manual Integrations  
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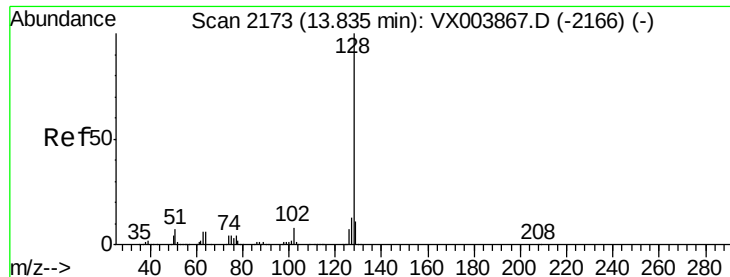
MMDadoda  
 8/13/2018 11:02:00 AM



#94  
 Hexachlorobutadiene  
 Concen: 19.54 ug/l  
 RT: 13.79 min Scan# 2165  
 Delta R.T. 0.00 min  
 Lab File: VX003967.D  
 Acq: 10 Aug 2018 10:58

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 58684 |       |       |
| 223     | 64.3  | 31.4  | 94.0  |       |
| 227     | 64.3  | 32.1  | 96.5  |       |





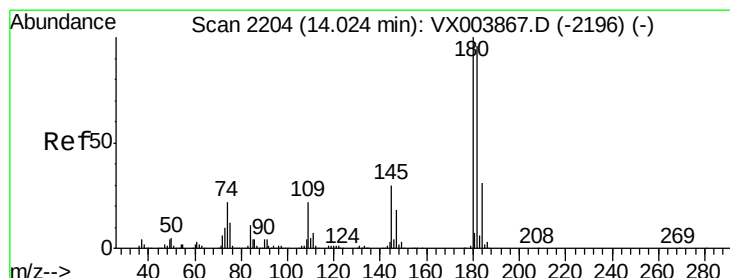
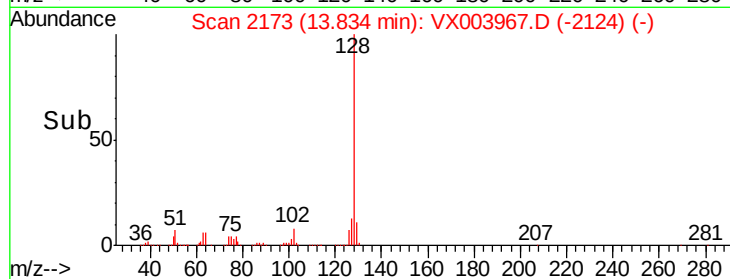
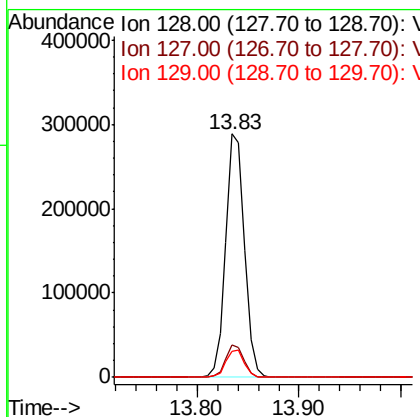
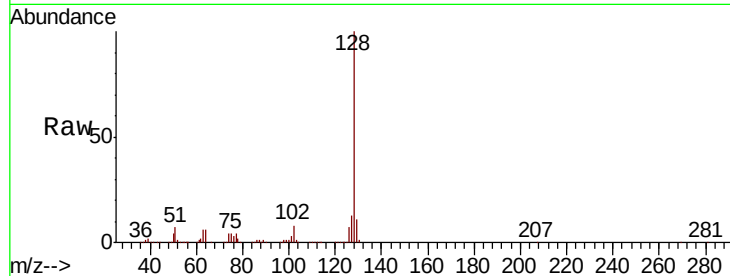
#95  
Naphthalene  
Concen: 18.54 ug/l  
RT: 13.83 min Scan# 2173  
Delta R.T. -0.00 min  
Lab File: VX003967.D  
Acq: 10 Aug 2018 10:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0810WBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 366381 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.0  | 10.2  | 15.2   |
| 129       | 11.1  | 8.8   | 13.2   |

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8/13/2018 11:02:00 AM



#96  
1,2,3-Trichlorobenzene  
Concen: 19.32 ug/l  
RT: 14.02 min Scan# 2204  
Delta R.T. -0.00 min  
Lab File: VX003967.D  
Acq: 10 Aug 2018 10:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 133072 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 98.8  | 48.1  | 144.4  |
| 145       | 29.7  | 14.9  | 44.7   |

