

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052518\  
 Data File : VX001993.D  
 Acq On : 25 May 2018 23:16  
 Operator : JC/MD  
 Sample : VX0525WBSD02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0525WBSD02

Manual Integrations  
 APPROVED

MMDadoda  
 5/29/2018 4:39:24 PM

Quant Time: May 26 04:09:03 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X052418W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 24 13:09:03 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 252274   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 362804   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 334345   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.09 | 152  | 215017   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.07   | 65  | 226201   | 50.16 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.32% |      |
| 35) Dibromofluoromethane  | 5.51   | 113 | 175404   | 48.35 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.70%  |      |
| 50) Toluene-d8            | 8.72   | 98  | 633821   | 48.26 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.52%  |      |
| 62) 4-Bromofluorobenzene  | 11.14  | 95  | 241646   | 47.02 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 94.04%  |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 63370   | 18.803  | ug/l | 98     |
| 3) Chloromethane              | 1.32 | 50  | 77680   | 20.013  | ug/l | 99     |
| 4) Vinyl Chloride             | 1.40 | 62  | 78101   | 20.839  | ug/l | 99     |
| 5) Bromomethane               | 1.64 | 94  | 41311   | 23.435  | ug/l | 99     |
| 6) Chloroethane               | 1.73 | 64  | 51380   | 23.256  | ug/l | 99     |
| 7) Trichlorofluoromethane     | 1.93 | 101 | 124225  | 22.071  | ug/l | 97     |
| 8) Diethyl Ether              | 2.19 | 74  | 46908   | 22.970  | ug/l | 97     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.39 | 101 | 68496   | 21.809  | ug/l | 98     |
| 10) Methyl Iodide             | 2.51 | 142 | 76504   | 18.003  | ug/l | 98     |
| 11) Tert butyl alcohol        | 3.08 | 59  | 108974  | 123.112 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 2.37 | 96  | 63795   | 21.696  | ug/l | 95     |
| 13) Acrolein                  | 2.30 | 56  | 34752   | 90.804  | ug/l | 99     |
| 14) Allyl chloride            | 2.73 | 41  | 135251  | 21.913  | ug/l | 99     |
| 15) Acrylonitrile             | 3.15 | 53  | 213662  | 117.382 | ug/l | 99     |
| 16) Acetone                   | 2.45 | 43  | 202159  | 116.162 | ug/l | 100    |
| 17) Carbon Disulfide          | 2.57 | 76  | 178821  | 21.130  | ug/l | 99     |
| 18) Methyl Acetate            | 2.78 | 43  | 112053  | 26.186  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 3.21 | 73  | 256518  | 23.194  | ug/l | 100    |
| 20) Methylene Chloride        | 2.86 | 84  | 73926   | 23.655  | ug/l | 97     |
| 21) trans-1,2-Dichloroethene  | 3.17 | 96  | 67283   | 22.639  | ug/l | 96     |
| 22) Diisopropyl ether         | 3.88 | 45  | 267495  | 21.306  | ug/l | 99     |
| 23) Vinyl Acetate             | 3.83 | 43  | 1174031 | 112.786 | ug/l | 98     |
| 24) 1,1-Dichloroethane        | 3.70 | 63  | 132323  | 22.187  | ug/l | 99     |
| 25) 2-Butanone                | 4.71 | 43  | 333431  | 104.534 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 4.59 | 77  | 87350   | 14.470  | ug/l | 96     |
| 27) cis-1,2-Dichloroethene    | 4.60 | 96  | 78171   | 20.387  | ug/l | 99     |
| 28) Bromochloromethane        | 5.03 | 49  | 61770   | 23.568  | ug/l | 100    |
| 29) Tetrahydrofuran           | 5.18 | 42  | 218431  | 105.255 | ug/l | 100    |
| 30) Chloroform                | 5.22 | 83  | 134065  | 19.953  | ug/l | 98     |
| 31) Cyclohexane               | 5.57 | 56  | 119886  | 19.294  | ug/l | 100    |
| 32) 1,1,1-Trichloroethane     | 5.51 | 97  | 123376  | 19.696  | ug/l | 100    |
| 36) 1,1-Dichloropropene       | 5.80 | 75  | 93962   | 18.619  | ug/l | 98     |
| 37) Ethyl Acetate             | 4.87 | 43  | 130462  | 19.830  | ug/l | 98     |
| 38) Carbon Tetrachloride      | 5.79 | 117 | 111585  | 18.962  | ug/l | 97     |

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052518\  
 Data File : VX001993.D  
 Acq On : 25 May 2018 23:16  
 Operator : JC/MD  
 Sample : VX0525WBSD02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 Client Sample ID :  
 VX0525WBSD02

Manual Integrations  
 APPROVED

MMDadoda  
 5/29/2018 4:39:24 PM

Quant Time: May 26 04:09:03 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X052418W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 24 13:09:03 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 116012   | 18.712  | ug/l   | 96       |
| 40) Benzene                    | 6.15  | 78   | 293562   | 19.856  | ug/l   | 99       |
| 41) Methacrylonitrile          | 5.07  | 41   | 72971    | 20.207  | ug/l   | 100      |
| 42) 1,2-Dichloroethane         | 6.20  | 62   | 116131   | 19.664  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 6.48  | 43   | 221380   | 20.195  | ug/l   | 100      |
| 44) Trichloroethene            | 7.22  | 130  | 82102    | 19.057  | ug/l   | 100      |
| 45) 1,2-Dichloropropane        | 7.53  | 63   | 80800    | 20.124  | ug/l   | 100      |
| 46) Dibromomethane             | 7.67  | 93   | 53795    | 20.237  | ug/l   | 99       |
| 47) Bromodichloromethane       | 7.90  | 83   | 108793   | 19.194  | ug/l   | 98       |
| 48) Methyl methacrylate        | 7.78  | 41   | 112084   | 20.089  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 7.76  | 88   | 42312    | 430.359 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone       | 8.65  | 43   | 702235   | 106.267 | ug/l   | 98       |
| 52) Toluene                    | 8.79  | 92   | 183273   | 19.479  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 8.44  | 75   | 121840   | 18.664  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.05  | 75   | 116466   | 18.309  | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane      | 9.22  | 97   | 78222    | 19.901  | ug/l   | 100      |
| 56) Ethyl methacrylate         | 9.19  | 69   | 130637   | 19.323  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 9.38  | 76   | 132034   | 20.391  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 8.32  | 63   | 314669   | 105.010 | ug/l   | 99       |
| 59) 2-Hexanone                 | 9.50  | 43   | 531823   | 104.374 | ug/l   | 99       |
| 60) Dibromochloromethane       | 9.59  | 129  | 89978    | 19.327  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 9.68  | 107  | 82576    | 20.022  | ug/l   | 98       |
| 64) Tetrachloroethene          | 9.34  | 164  | 93084    | 19.418  | ug/l   | 98       |
| 65) Chlorobenzene              | 10.14 | 112  | 206078   | 19.454  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.23 | 131  | 82200    | 19.217  | ug/l   | 100      |
| 67) Ethyl Benzene              | 10.26 | 91   | 357221   | 19.409  | ug/l   | 100      |
| 68) m/p-Xylenes                | 10.37 | 106  | 270929   | 38.509  | ug/l   | 100      |
| 69) o-Xylene                   | 10.70 | 106  | 136050   | 19.367  | ug/l   | 98       |
| 70) Styrene                    | 10.72 | 104  | 223238   | 19.162  | ug/l   | 100      |
| 71) Bromoform                  | 10.86 | 173  | 74661    | 18.408  | ug/l   | 100      |
| 73) Isopropylbenzene           | 11.02 | 105  | 363121   | 19.943  | ug/l   | 100      |
| 74) N-amyl acetate             | 6.48  | 43   | 221380   | 21.649  | ug/l # | 100      |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 113053   | 21.993  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 11.30 | 75   | 104363m  | 20.207  | ug/l   |          |
| 77) Bromobenzene               | 11.26 | 156  | 96244    | 19.923  | ug/l   | 98       |
| 78) n-propylbenzene            | 11.37 | 91   | 401647   | 19.696  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 11.43 | 91   | 242947   | 20.350  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 305139   | 19.610  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 11.08 | 75   | 35227    | 16.393  | ug/l   | 96       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 281395   | 19.564  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 11.77 | 119  | 300386   | 19.673  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 314600   | 19.565  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.95 | 105  | 360464   | 19.638  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 12.07 | 119  | 319330   | 19.442  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 12.03 | 146  | 166067   | 19.195  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 168108   | 19.436  | ug/l   | 99       |
| 89) n-Butylbenzene             | 12.39 | 91   | 260068   | 18.687  | ug/l   | 100      |
| 90) Hexachloroethane           | 12.60 | 117  | 58826    | 18.157  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 12.40 | 146  | 175578   | 19.919  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.01 | 75   | 31642    | 19.546  | ug/l   | 98       |

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052518\  
Data File : VX001993.D  
Acq On : 25 May 2018 23:16  
Operator : JC/MD  
Sample : VX0525WBSD02  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0525WBSD02

Manual Integrations  
APPROVED

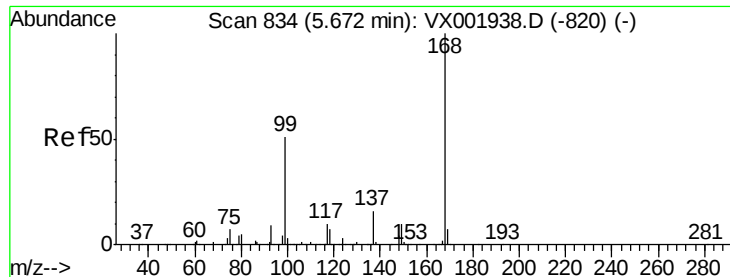
MMDadoda  
5/29/2018 4:39:24 PM

Quant Time: May 26 04:09:03 2018  
Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X052418W.M  
Quant Title : SW846 8260  
QLast Update : Thu May 24 13:09:03 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180  | 121503   | 19.276 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.79 | 225  | 63130    | 18.619 | ug/l  | 99       |
| 95) Naphthalene            | 13.84 | 128  | 393224   | 20.249 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 127824   | 19.599 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA\_X

ClientSampleId :

VX0525WBSD02

Tot Ion:168 Resp: 252274

Ion Ratio Lower Upper

168 100

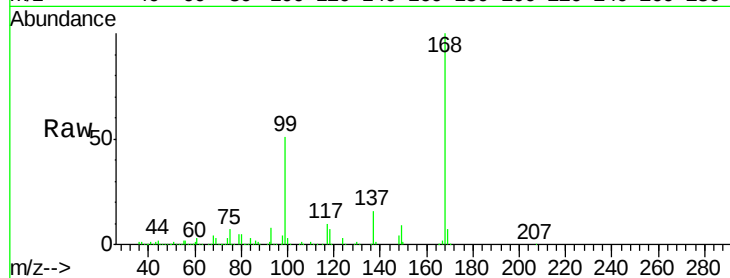
99 50.6 41.0 61.4

Manual Integrations

APPROVED

MMDadoda

5/29/2018 4:39:24 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

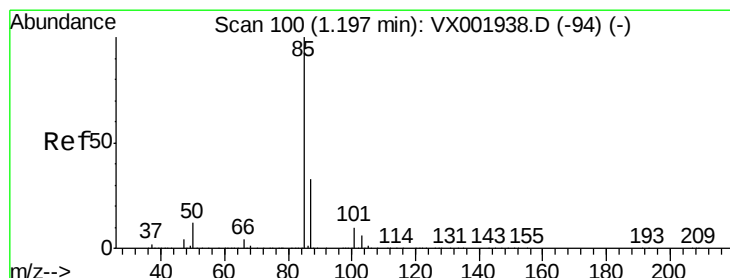
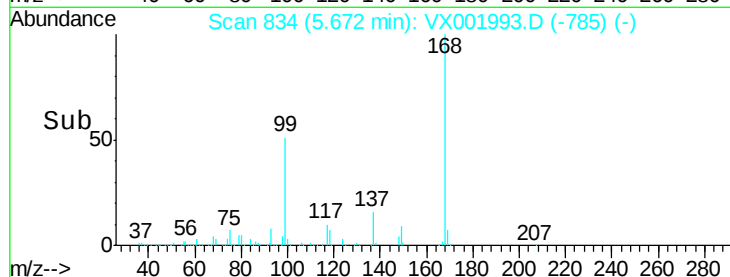
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.803 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001993.D

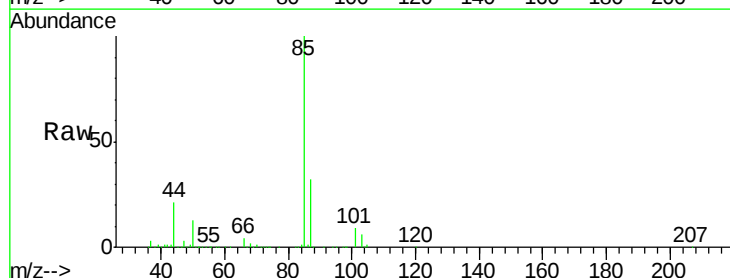
Acq: 25 May 2018 23:16

Tgt Ion: 85 Resp: 63370

Ion Ratio Lower Upper

85 100

87 32.2 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

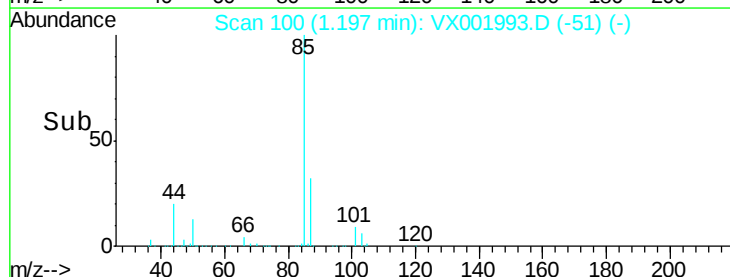
60000

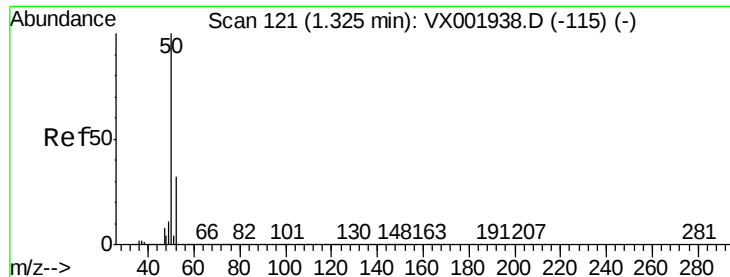
40000

20000

0

Time-->





#3

Chloromethane

Concen: 20.013 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA\_X

ClientSampleId :

VX0525WBSD02

Tot Ion: 50 Resp: 77680

Ion Ratio Lower Upper

50 100

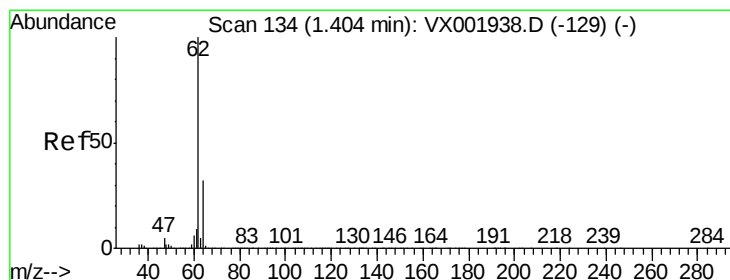
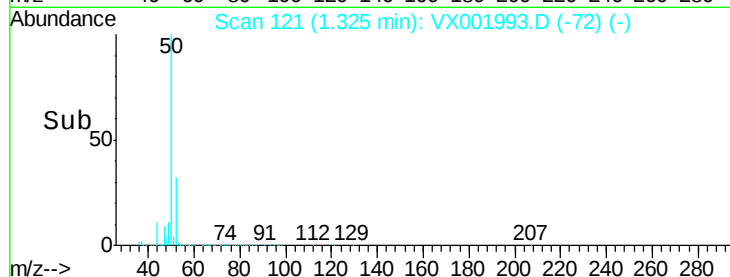
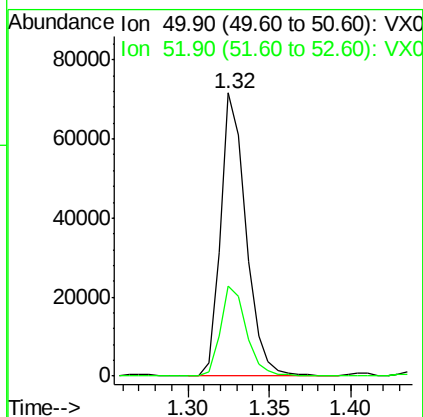
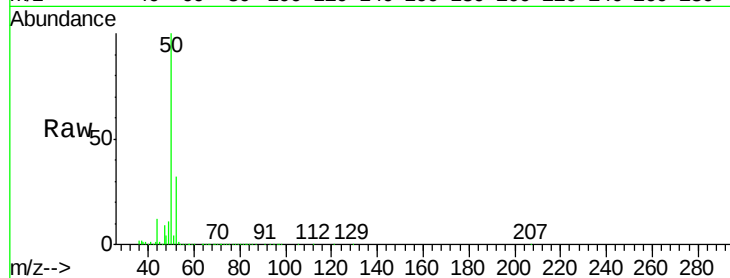
52 31.8 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

5/29/2018 4:39:24 PM



#4

Vinyl Chloride

Concen: 20.839 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001993.D

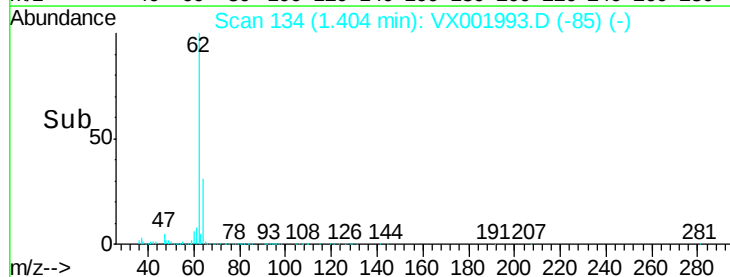
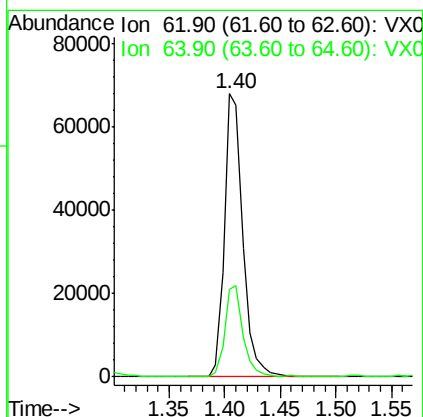
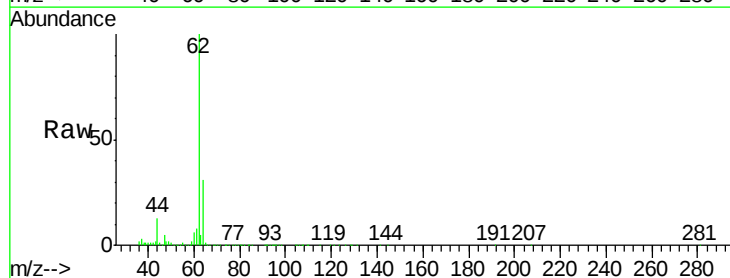
Acq: 25 May 2018 23:16

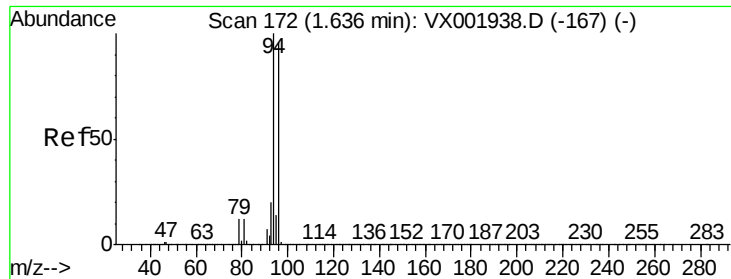
Tgt Ion: 62 Resp: 78101

Ion Ratio Lower Upper

62 100

64 30.9 25.4 38.0





#5

Bromomethane

Concen: 23.435 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA\_X

ClientSampleId :

VX0525WBSD02

Tot Ion: 94 Resp: 41311

Ion Ratio Lower Upper

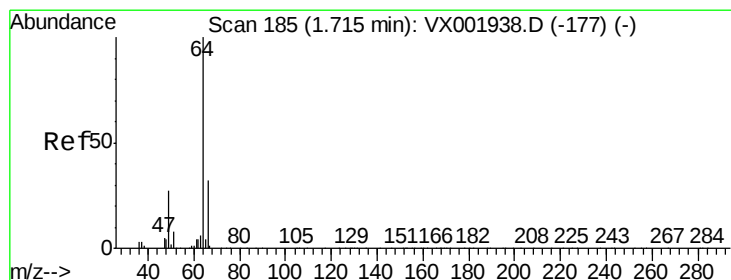
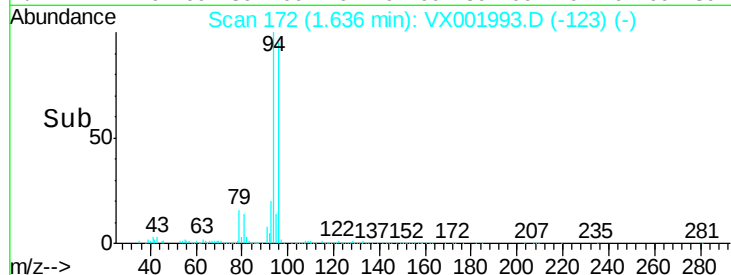
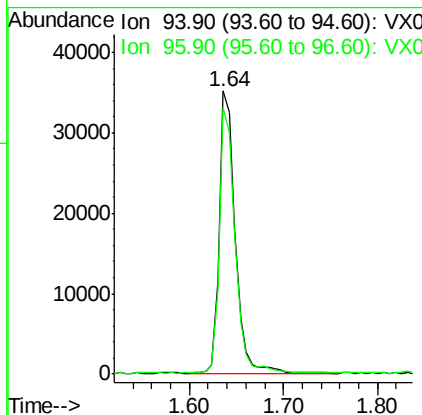
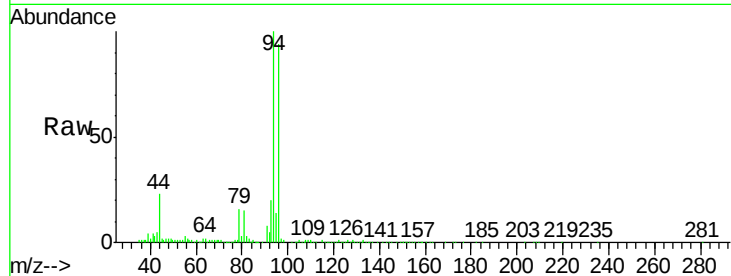
94 100

96 94.1 75.9 113.9

Manual Integrations  
APPROVED

MMDadoda

5/29/2018 4:39:24 PM



#6

Chloroethane

Concen: 23.256 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX001993.D

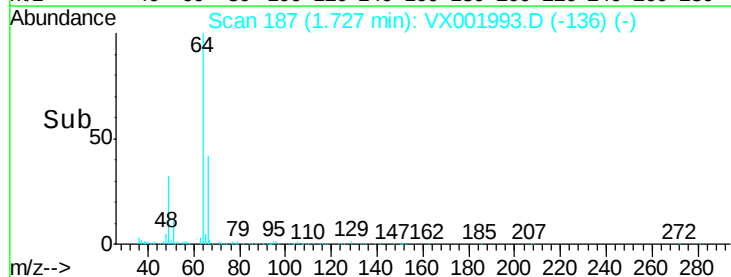
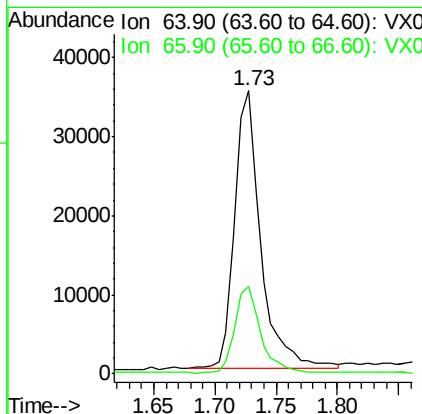
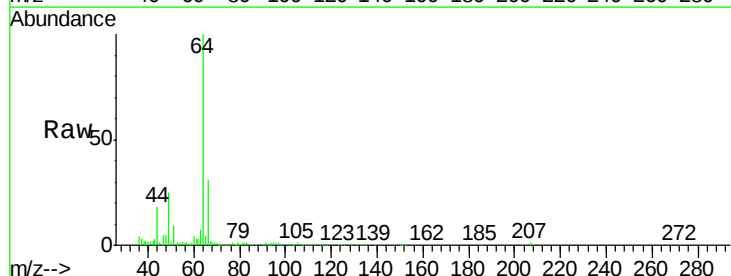
Acq: 25 May 2018 23:16

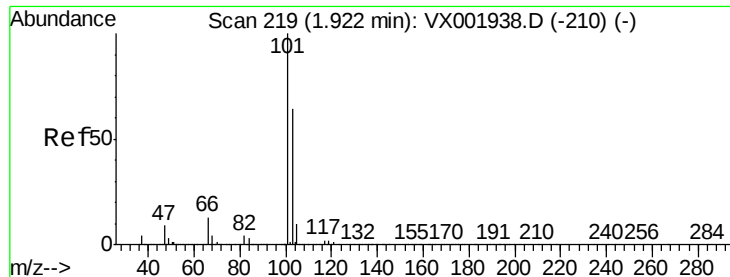
Tgt Ion: 64 Resp: 51380

Ion Ratio Lower Upper

64 100

66 31.2 25.6 38.4





#7

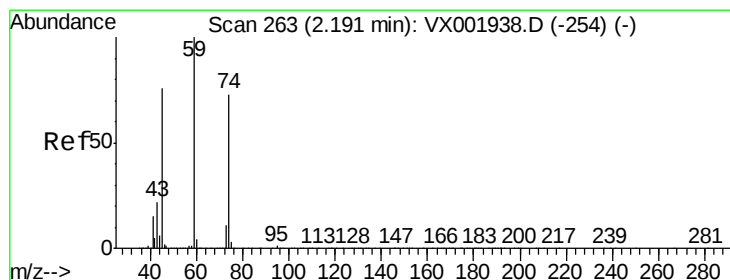
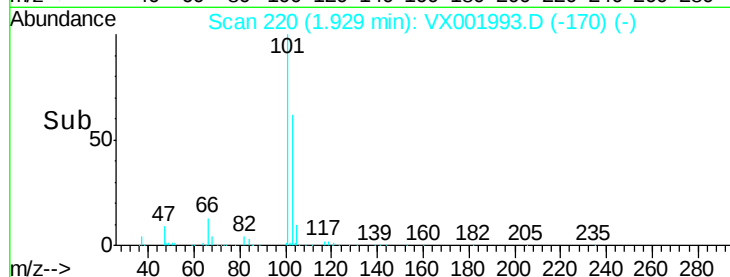
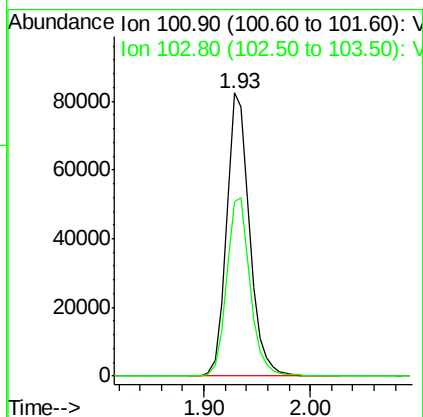
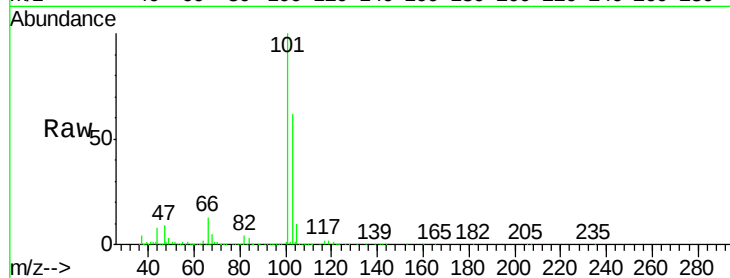
Trichlorofluoromethane  
Concen: 22.071 ug/l  
RT: 1.93 min Scan# 220  
Delta R.T. 0.01 min  
Lab File: VX001993.D  
Acq: 25 May 2018 23:16

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0525WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 61.8  | 51.4  | 77.0  |

Manual Integrations  
APPROVED

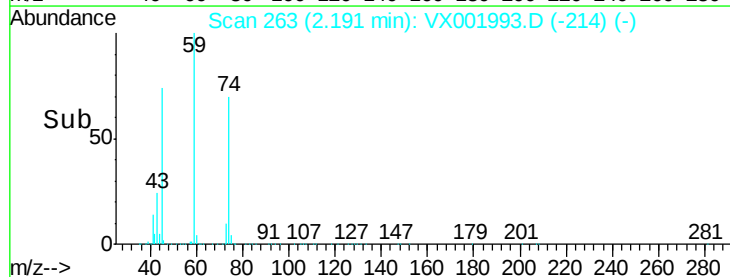
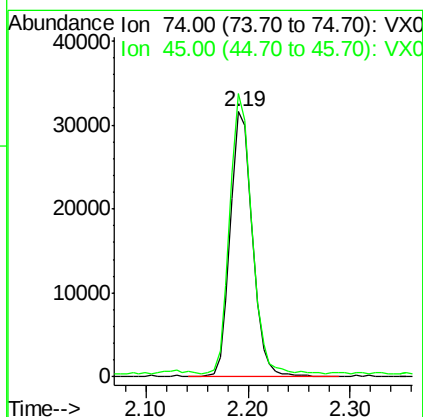
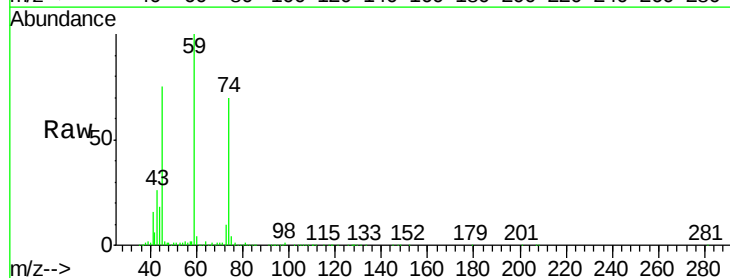
MMDadoda  
5/29/2018 4:39:24 PM

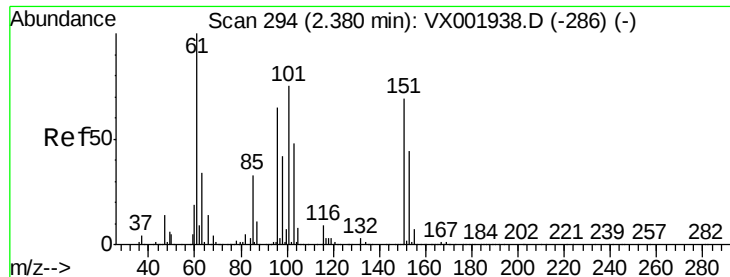


#8

Diethyl Ether  
Concen: 22.970 ug/l  
RT: 2.19 min Scan# 263  
Delta R.T. 0.00 min  
Lab File: VX001993.D  
Acq: 25 May 2018 23:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 106.1 | 51.5  | 154.7 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.809 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA\_X

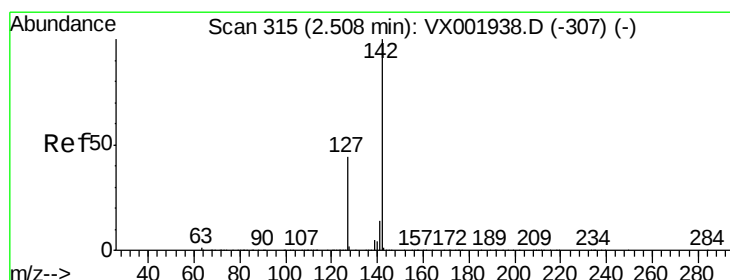
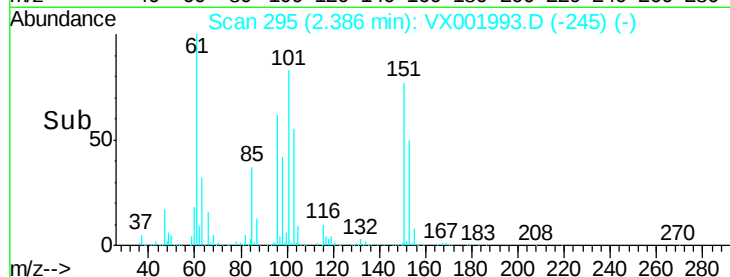
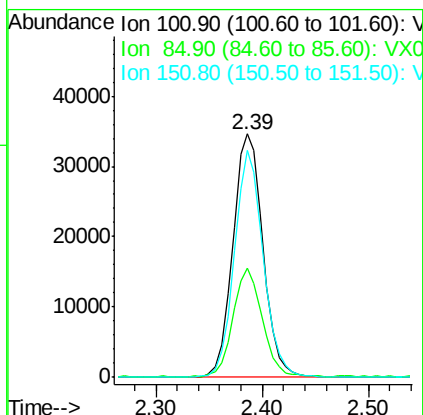
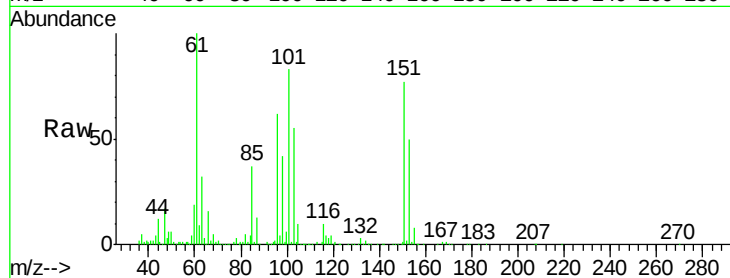
ClientSampleId :

VX0525WBSD02

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 68496 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 43.3  | 35.6  | 53.4  |
| 151       | 89.8  | 73.2  | 109.8 |

Manual Integrations  
APPROVED

MMDadoda  
5/29/2018 4:39:24 PM



#10

Methyl Iodide

Concen: 18.003 ug/l

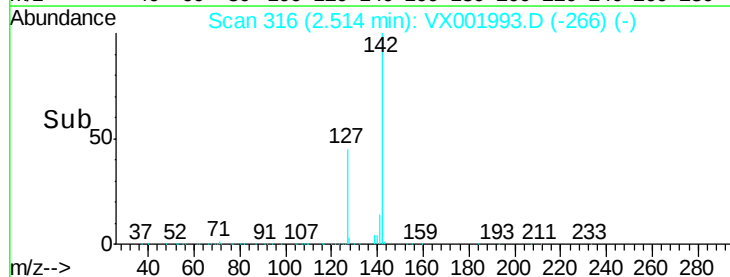
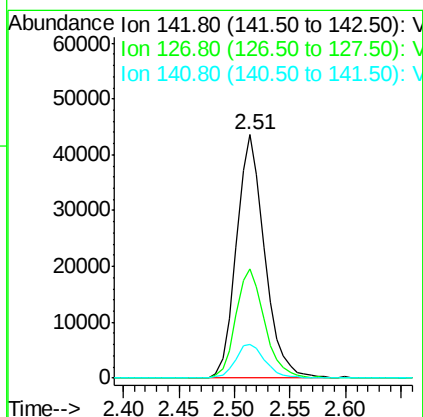
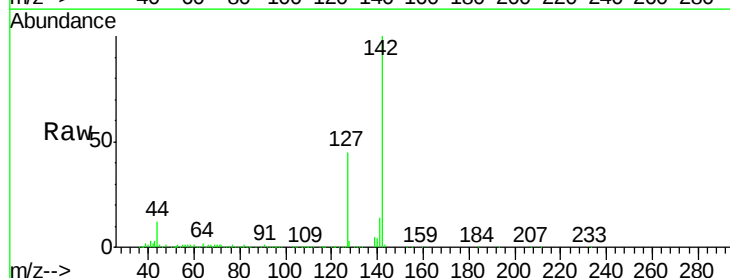
RT: 2.51 min Scan# 316

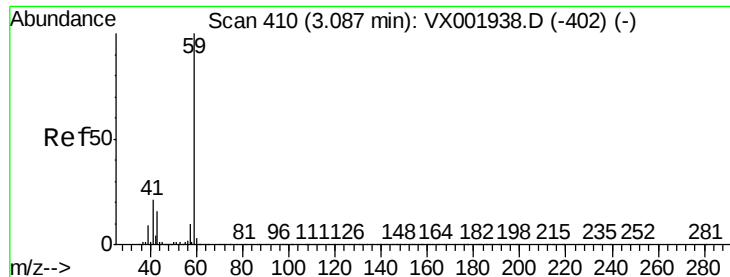
Delta R.T. 0.01 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 76504 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 46.1  | 35.5  | 53.3  |
| 141       | 14.8  | 11.3  | 16.9  |





#11

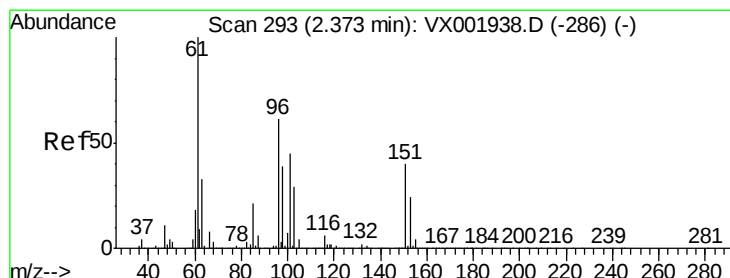
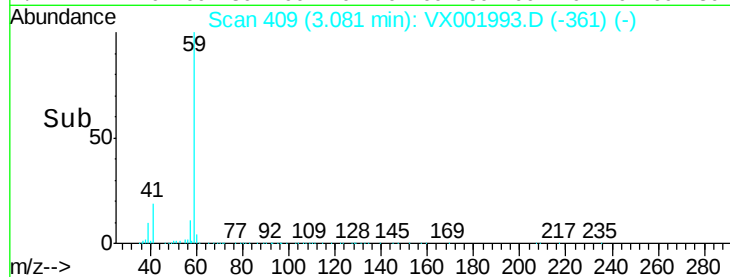
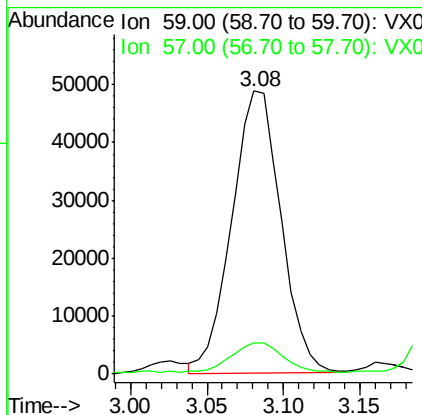
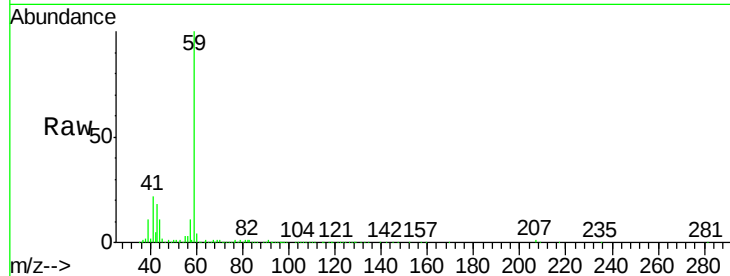
Tert butyl alcohol  
Concen: 123.112 ug/l  
RT: 3.08 min Scan# 409  
Delta R.T. -0.01 min  
Lab File: VX001993.D  
Acq: 25 May 2018 23:16

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0525WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.6  | 8.9   | 13.3  |

Manual Integrations  
APPROVED

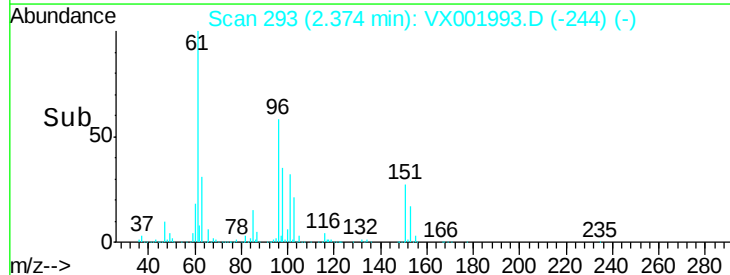
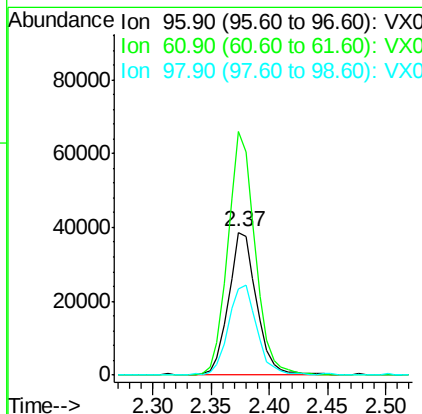
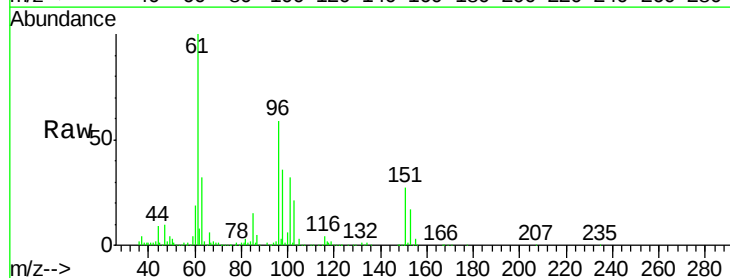
MMDadoda  
5/29/2018 4:39:24 PM

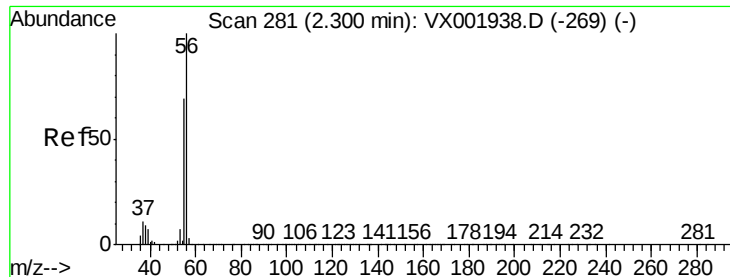


#12

1,1-Dichloroethene  
Concen: 21.696 ug/l  
RT: 2.37 min Scan# 293  
Delta R.T. 0.00 min  
Lab File: VX001993.D  
Acq: 25 May 2018 23:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 170.7 | 131.7 | 197.5 |
| 98      | 60.5  | 51.6  | 77.4  |





#13

Acrolein

Concen: 90.804 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA\_X

ClientSampleId :

VX0525WBSD02

Tot Ion: 56 Resp: 34752

Ion Ratio Lower Upper

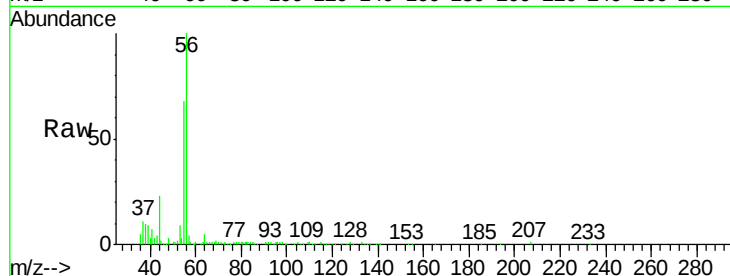
56 100

55 71.8 56.8 85.2

Manual Integrations  
APPROVED

MMDadoda

5/29/2018 4:39:24 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

25000

20000

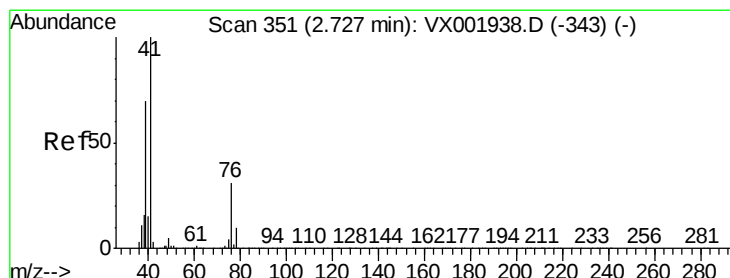
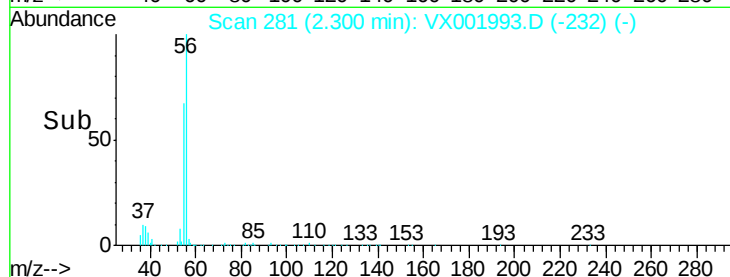
15000

10000

5000

0

Time--> 2.20 2.25 2.30 2.35 2.40



#14

Allyl chloride

Concen: 21.913 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.01 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

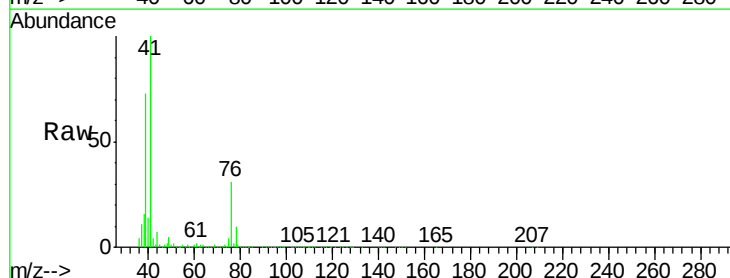
Tgt Ion: 41 Resp: 135251

Ion Ratio Lower Upper

41 100

39 68.1 54.3 81.5

76 29.1 24.2 36.4



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

80000

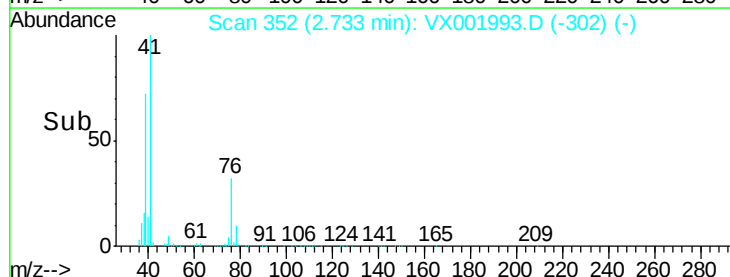
60000

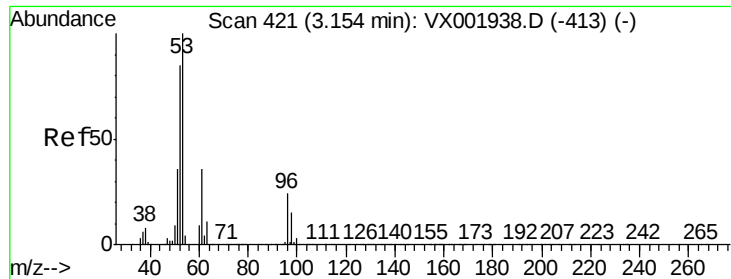
40000

20000

0

Time--> 2.60 2.70 2.80





#15

Acrylonitrile

Concen: 117.382 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA\_X

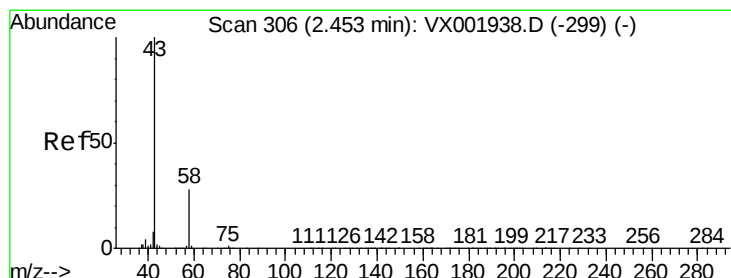
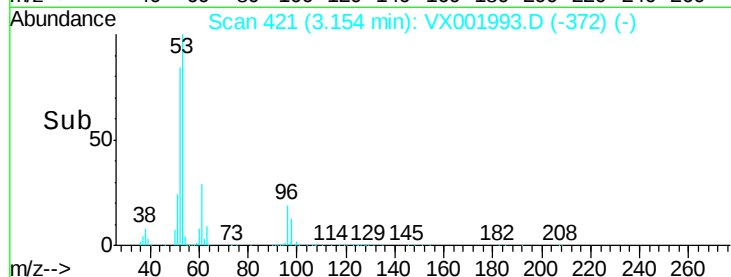
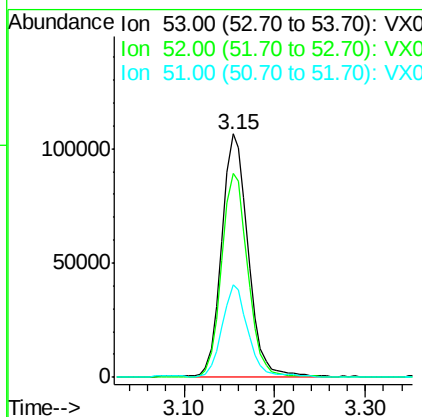
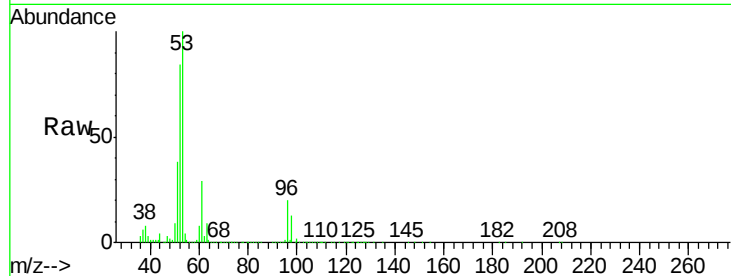
ClientSampleId :

VX0525WBSD02

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 53   | Resp: | 213662 |
| Ion Ratio |      | Lower | Upper  |
| 53        | 100  |       |        |
| 52        | 84.1 | 66.4  | 99.6   |
| 51        | 37.1 | 29.3  | 43.9   |

Manual Integrations  
APPROVED

MMDadoda  
5/29/2018 4:39:24 PM



#16

Acetone

Concen: 116.162 ug/l

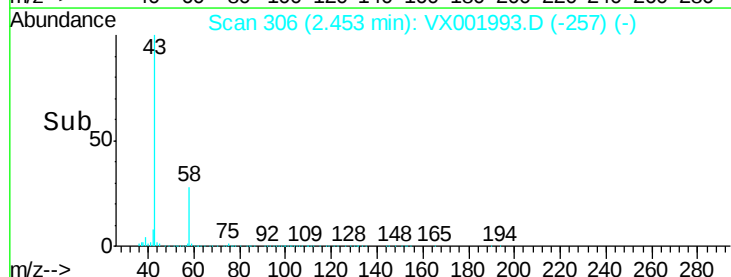
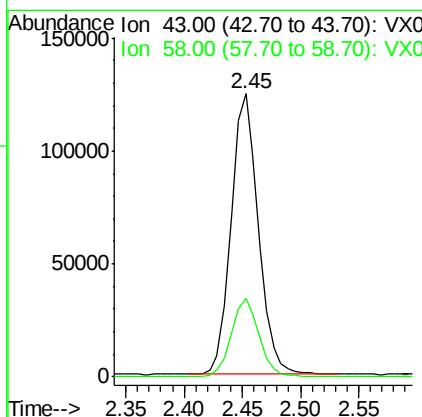
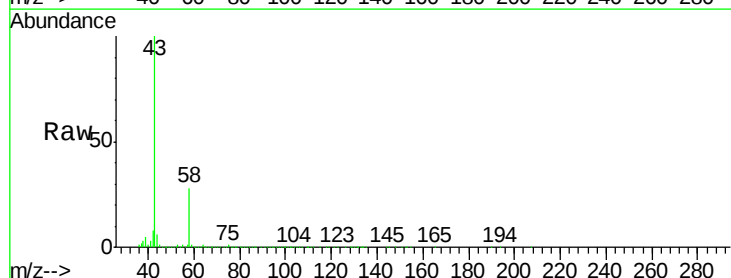
RT: 2.45 min Scan# 306

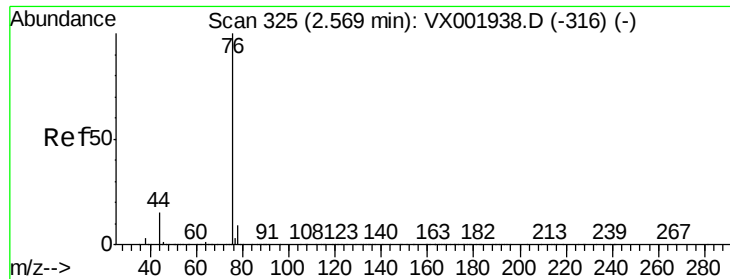
Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 43   | Resp: | 202159 |
| Ion Ratio |      | Lower | Upper  |
| 43        | 100  |       |        |
| 58        | 27.9 | 22.3  | 33.5   |





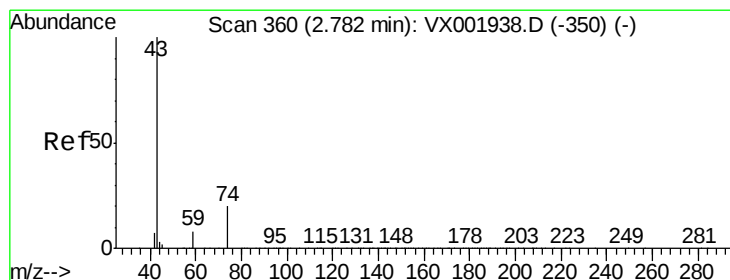
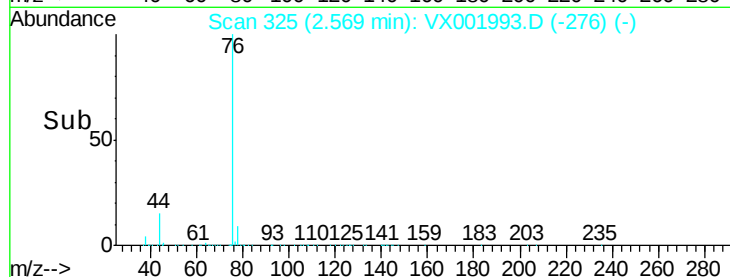
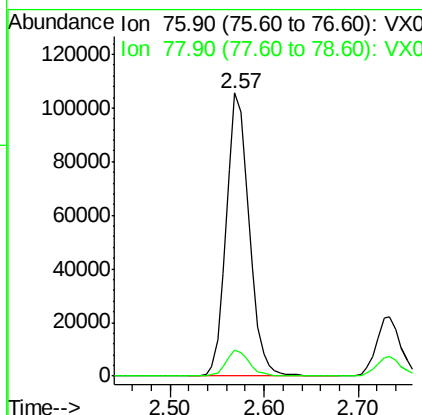
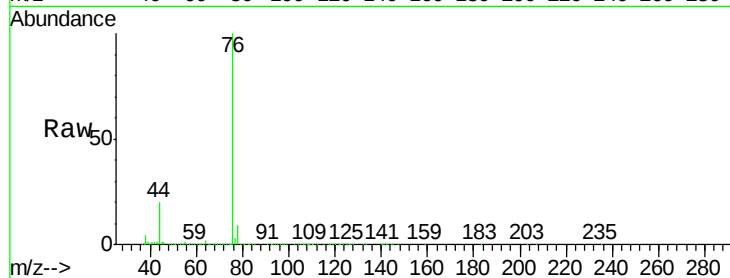
#17  
Carbon Disulfide  
Concen: 21.130 ug/l  
RT: 2.57 min Scan# 325  
Delta R.T. 0.00 min  
Lab File: VX001993.D  
Acq: 25 May 2018 23:16

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0525WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 8.9   | 7.4   | 11.2  |

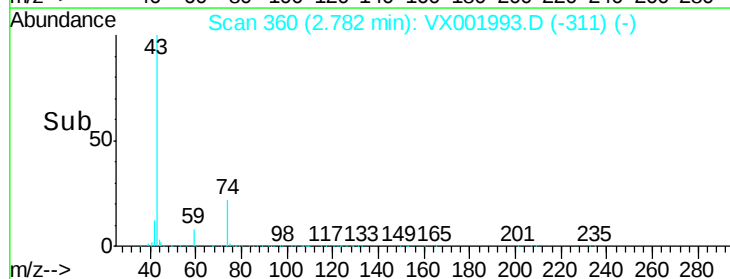
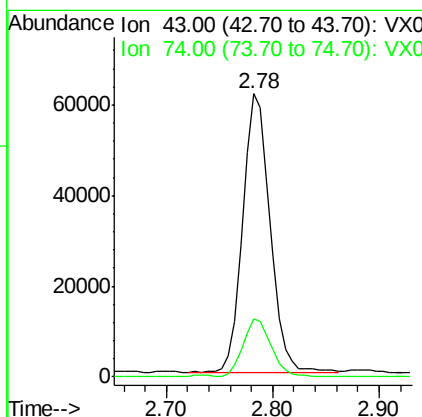
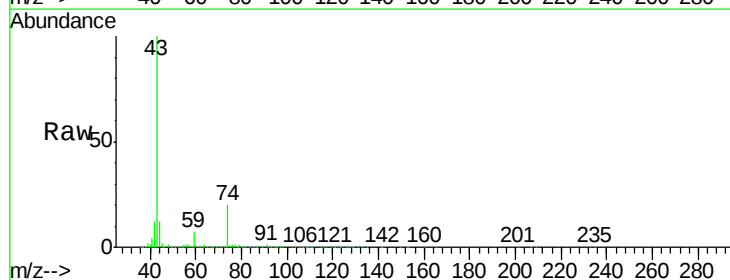
Manual Integrations  
APPROVED

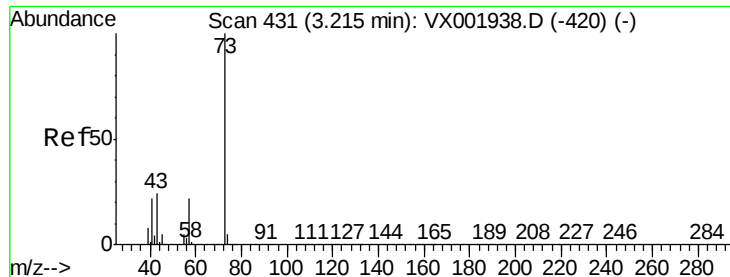
MMDadoda  
5/29/2018 4:39:24 PM



#18  
Methyl Acetate  
Concen: 26.186 ug/l  
RT: 2.78 min Scan# 360  
Delta R.T. 0.00 min  
Lab File: VX001993.D  
Acq: 25 May 2018 23:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 20.5  | 16.8  | 25.2  |





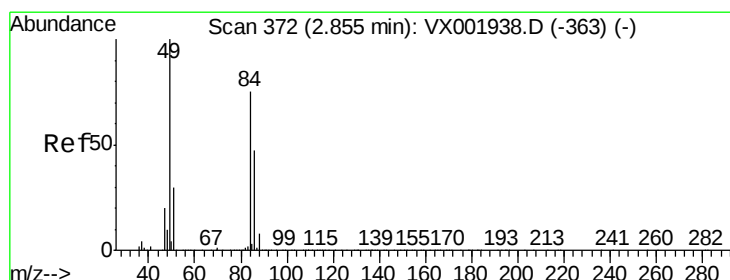
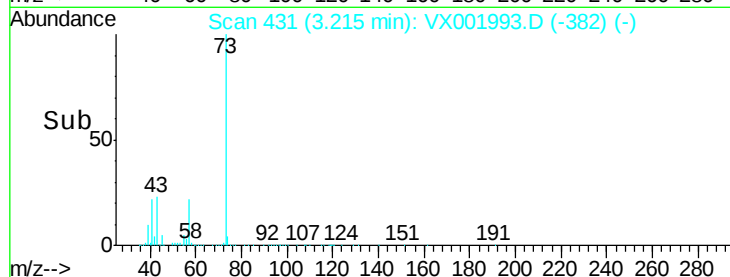
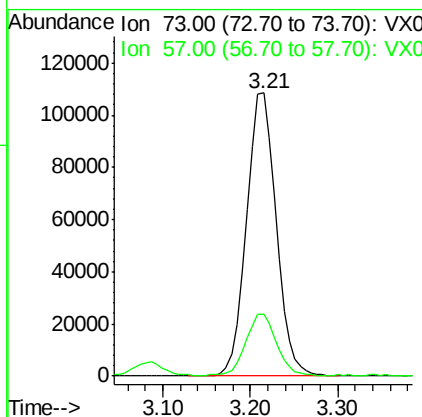
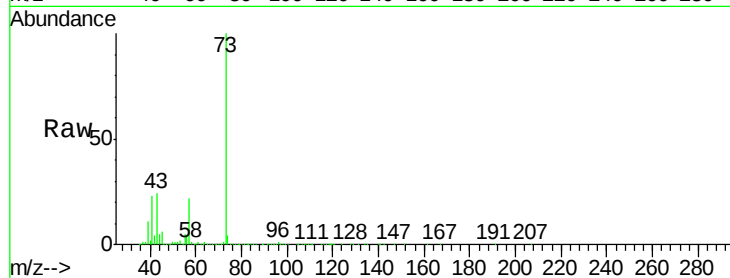
#19  
Methvl tert-butvl Ether  
Concen: 23.194 ug/l  
RT: 3.21 min Scan# 431  
Delta R.T. 0.00 min  
Lab File: VX001993.D  
Acq: 25 May 2018 23:16

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0525WBSD02

Tot Ion: 73 Resp: 256518  
Ion Ratio Lower Upper  
73 100  
57 21.7 17.4 26.0

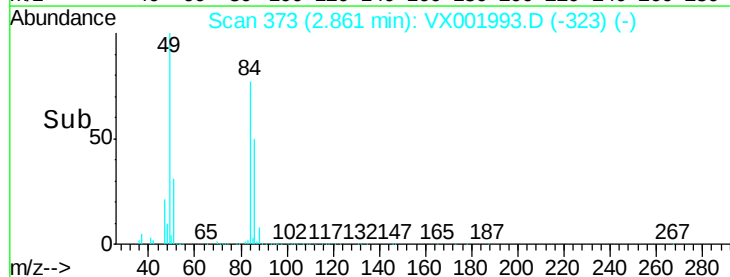
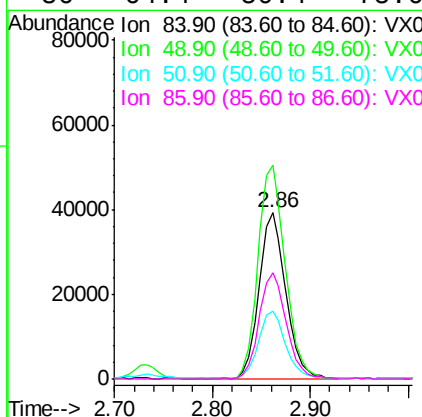
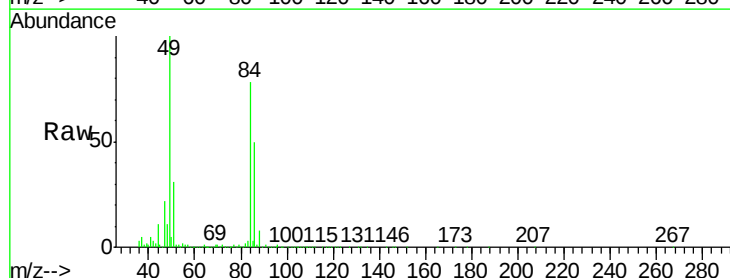
Manual Integrations  
APPROVED

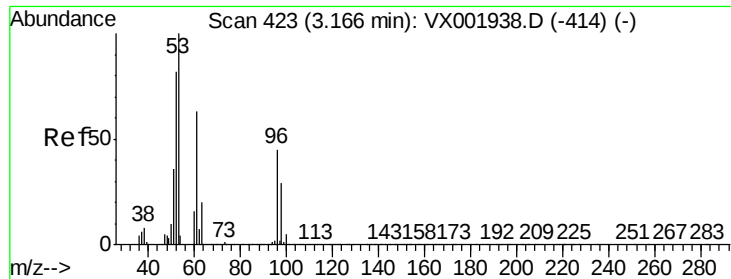
MMDadoda  
5/29/2018 4:39:24 PM



#20  
Methylene Chloride  
Concen: 23.655 ug/l  
RT: 2.86 min Scan# 373  
Delta R.T. 0.01 min  
Lab File: VX001993.D  
Acq: 25 May 2018 23:16

Tgt Ion: 84 Resp: 73926  
Ion Ratio Lower Upper  
84 100  
49 128.7 107.2 160.8  
51 39.9 32.4 48.6  
86 64.4 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 22.639 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA\_X

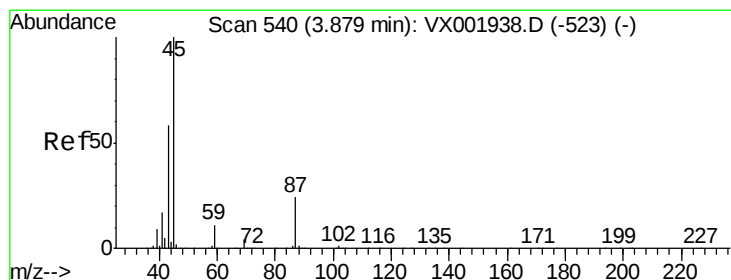
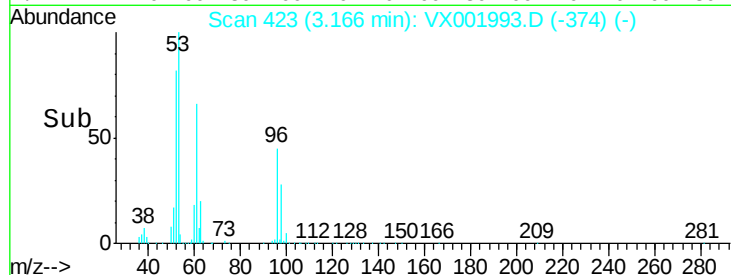
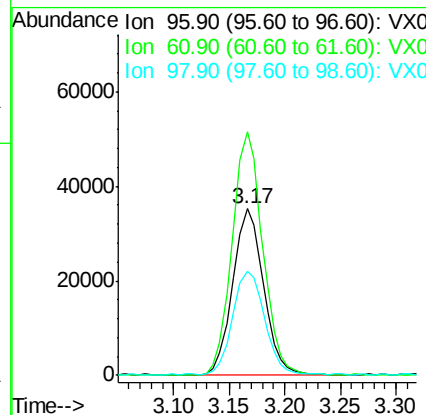
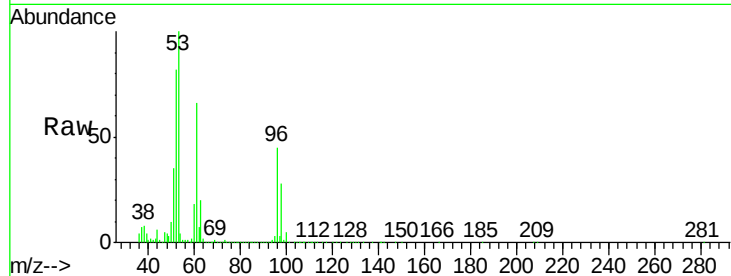
ClientSampleId :

VX0525WBSD02

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 67283 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 146.6 | 113.3 | 169.9 |
| 98       | 62.5  | 51.7  | 77.5  |

Manual Integrations  
APPROVED

MMDadoda  
5/29/2018 4:39:24 PM



#22

Diisopropyl ether

Concen: 21.306 ug/l

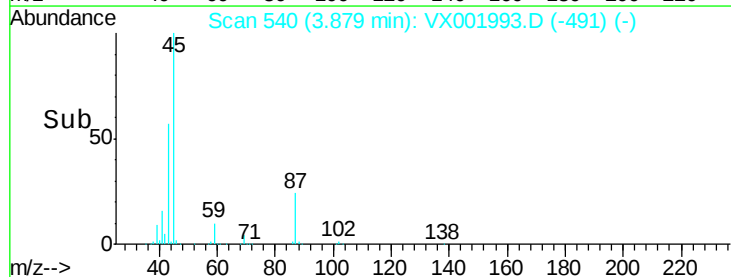
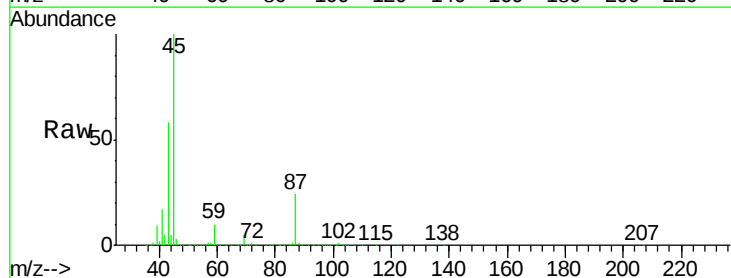
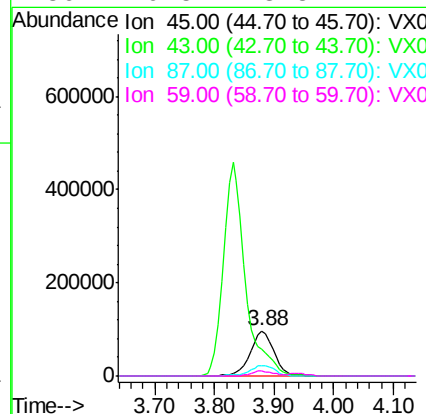
RT: 3.88 min Scan# 540

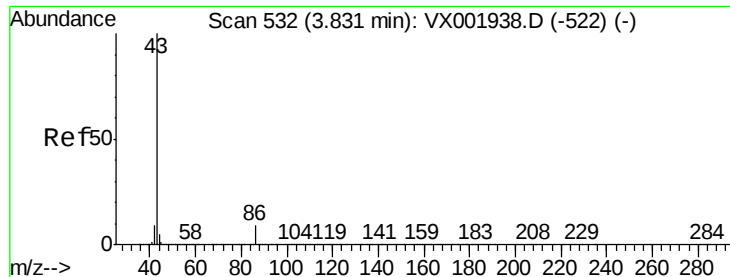
Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 267495 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 57.7  | 47.0  | 70.6   |
| 87       | 24.2  | 19.4  | 29.0   |
| 59       | 10.5  | 8.5   | 12.7   |





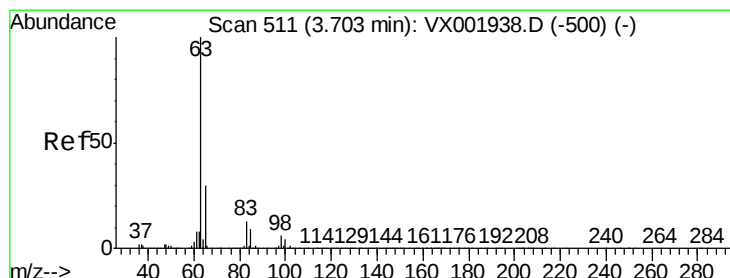
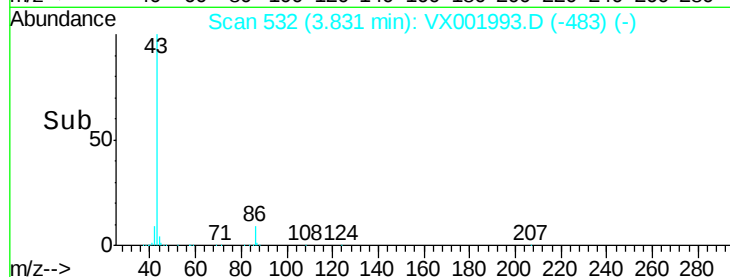
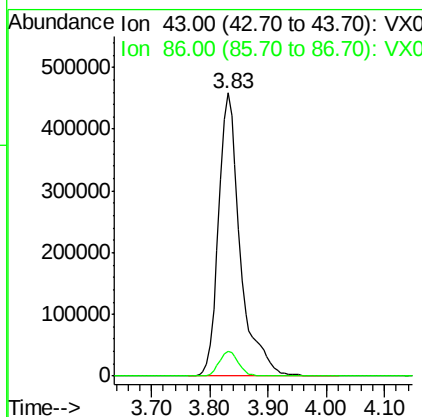
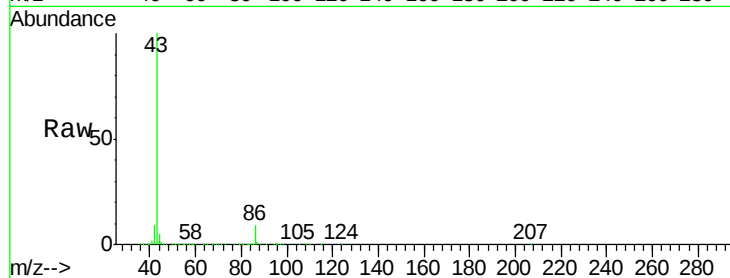
#23  
 Vinyl Acetate  
 Concen: 112.786 ug/l  
 RT: 3.83 min Scan# 532  
 Delta R.T. 0.00 min  
 Lab File: VX001993.D  
 Acq: 25 May 2018 23:16

Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 VX0525WBSD02

Tot Ion: 43 Resp: 1174031  
 Ion Ratio Lower Upper  
 43 100  
 86 8.8 7.6 11.4

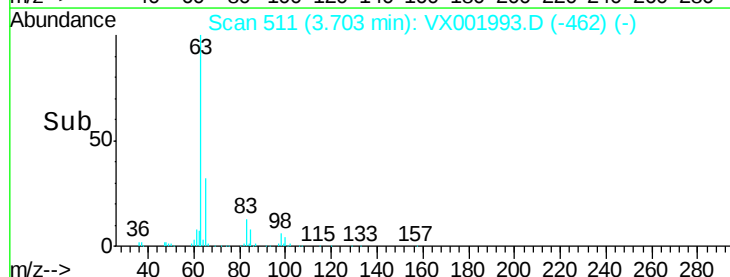
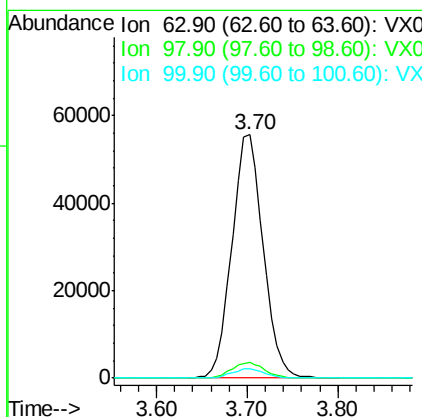
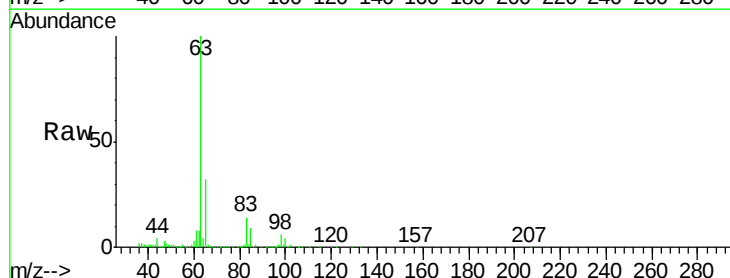
Manual Integrations  
 APPROVED

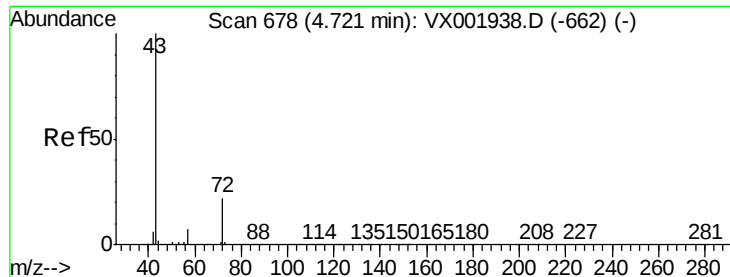
MMDadoda  
 5/29/2018 4:39:24 PM



#24  
 1,1-Dichloroethane  
 Concen: 22.187 ug/l  
 RT: 3.70 min Scan# 511  
 Delta R.T. 0.00 min  
 Lab File: VX001993.D  
 Acq: 25 May 2018 23:16

Tgt Ion: 63 Resp: 132323  
 Ion Ratio Lower Upper  
 63 100  
 98 6.0 3.3 9.8  
 100 3.9 2.1 6.5





#25

2-Butanone

Concen: 104.534 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA\_X

ClientSampleId :

VX0525WBSD02

Tot Ion: 43 Resp: 333431

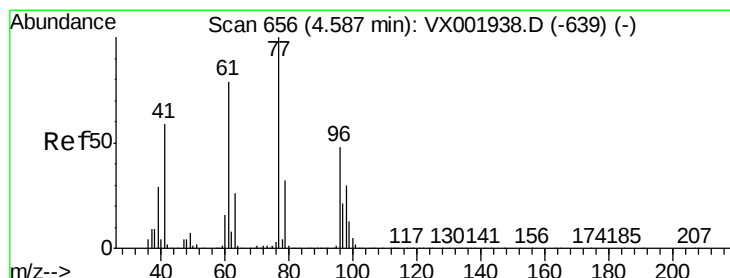
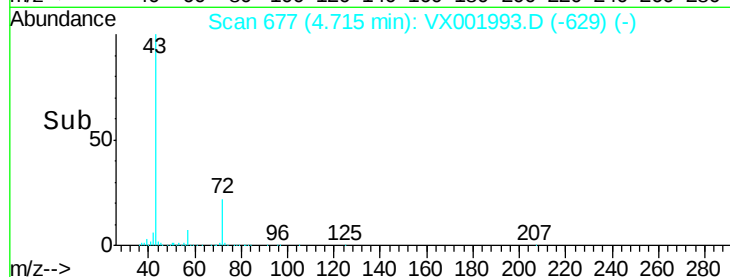
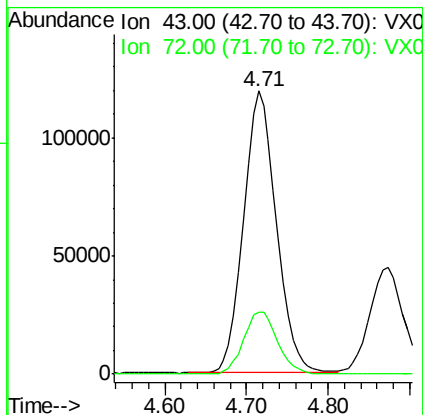
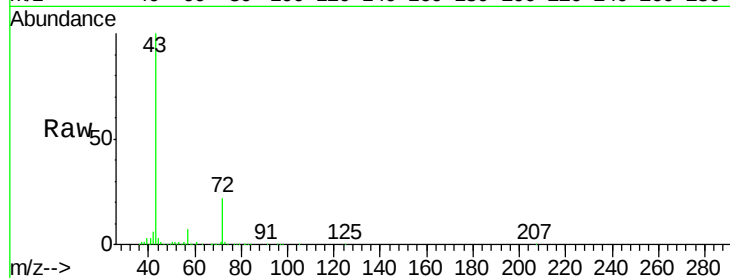
Ion Ratio Lower Upper

43 100

72 22.0 17.9 26.9

Manual Integrations  
APPROVED

MMDadoda  
5/29/2018 4:39:24 PM



#26

2,2-Dichloropropane

Concen: 14.470 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX001993.D

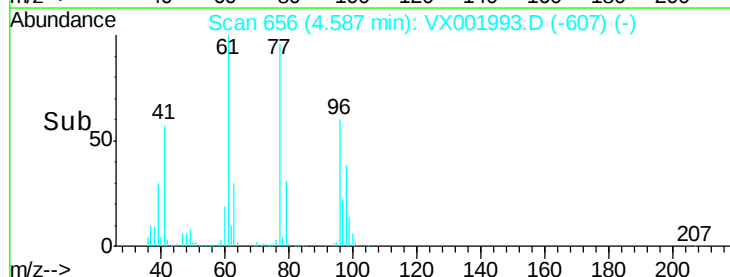
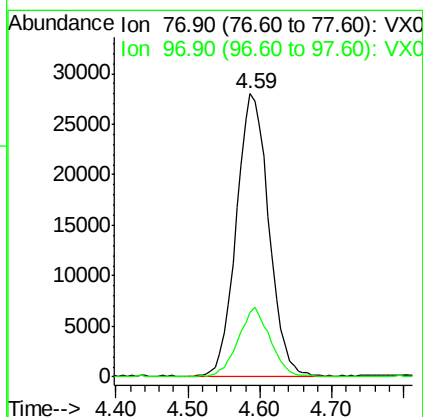
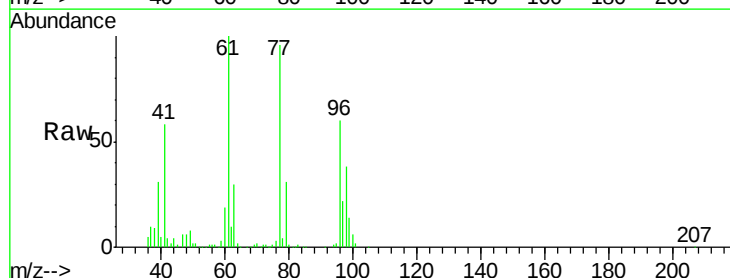
Acq: 25 May 2018 23:16

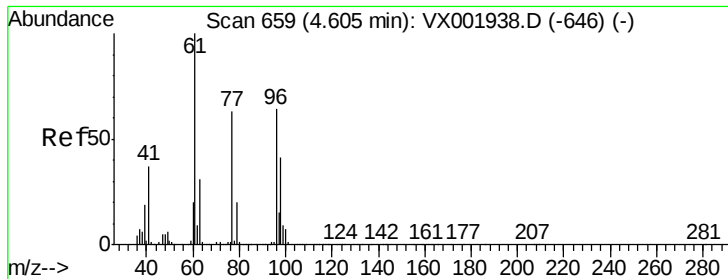
Tgt Ion: 77 Resp: 87350

Ion Ratio Lower Upper

77 100

97 24.4 11.2 33.5





#27

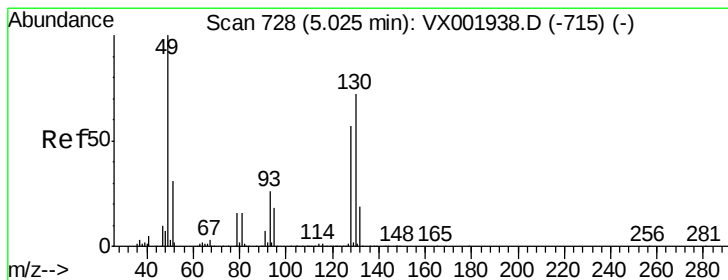
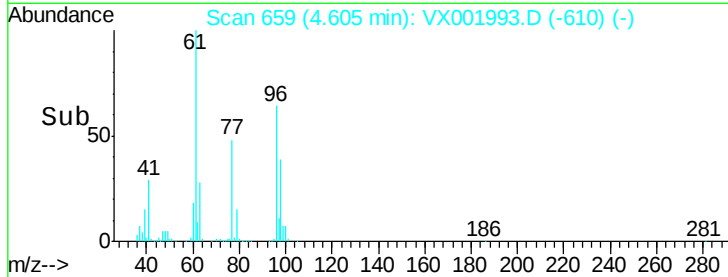
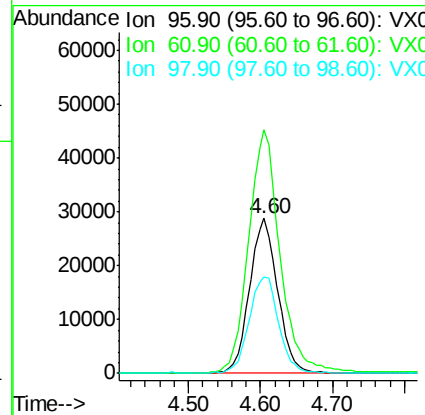
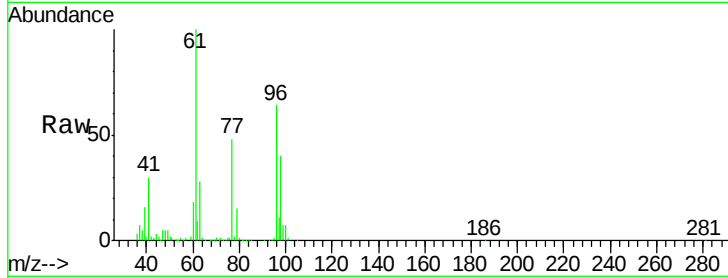
cis-1,2-Dichloroethene  
Concen: 20.387 ug/l  
RT: 4.60 min Scan# 659  
Delta R.T. 0.00 min  
Lab File: VX001993.D  
Acq: 25 May 2018 23:16

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0525WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 176.9 | 0.0   | 348.4 |
| 98      | 64.2  | 0.0   | 128.6 |

Manual Integrations  
APPROVED

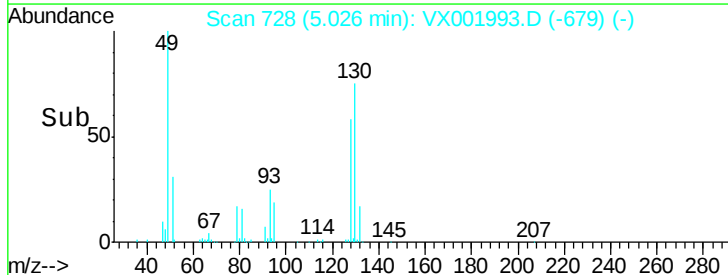
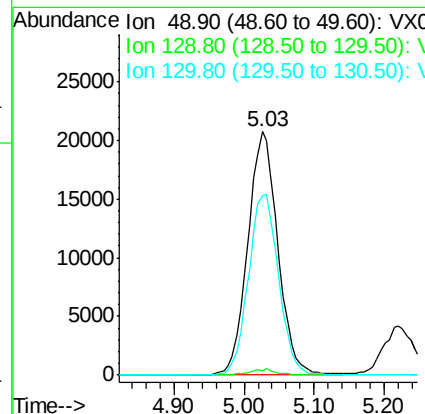
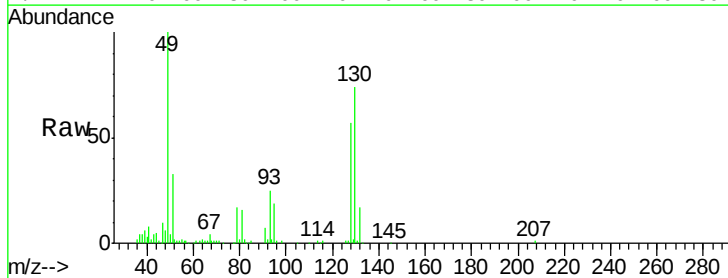
MMDadoda  
5/29/2018 4:39:24 PM

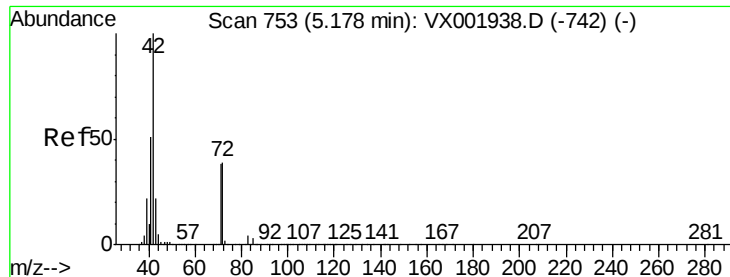


#28

Bromochloromethane  
Concen: 23.568 ug/l  
RT: 5.03 min Scan# 728  
Delta R.T. 0.00 min  
Lab File: VX001993.D  
Acq: 25 May 2018 23:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.0   | 0.0   | 3.8   |
| 130     | 74.5  | 59.4  | 89.2  |





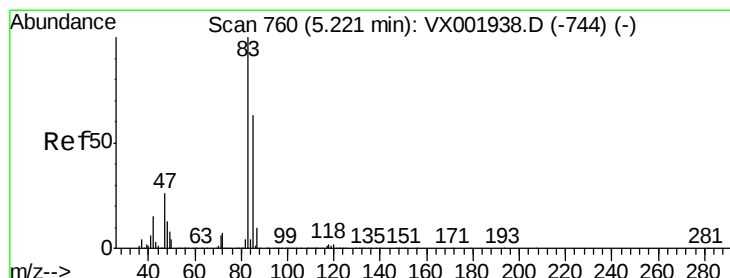
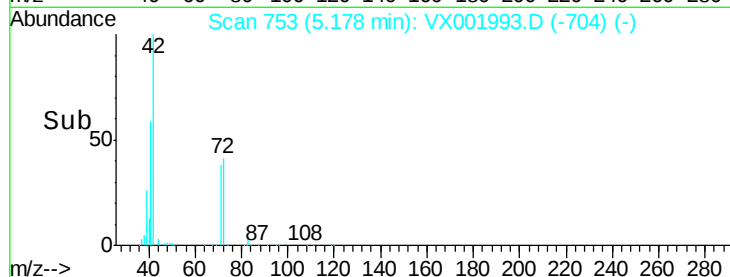
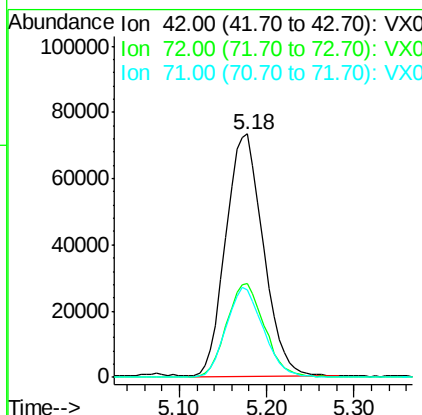
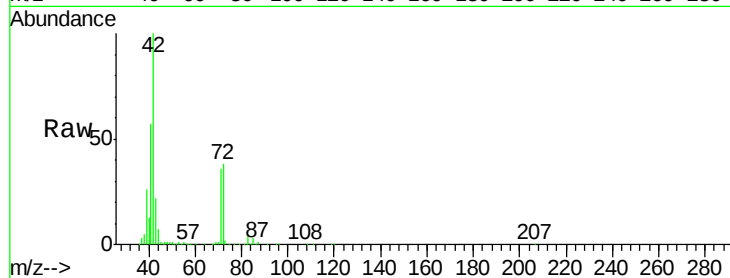
#29  
Tetrahydrofuran  
Concen: 105.255 ug/l  
RT: 5.18 min Scan# 753  
Delta R.T. 0.00 min  
Lab File: VX001993.D  
Acq: 25 May 2018 23:16

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0525WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 39.3  | 31.4  | 47.0  |
| 71      | 36.5  | 29.5  | 44.3  |

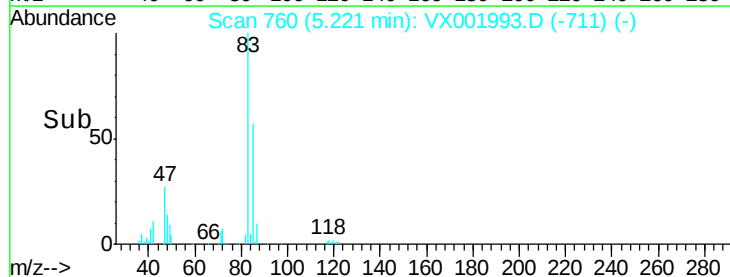
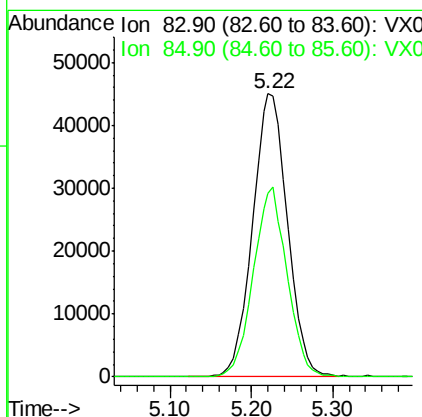
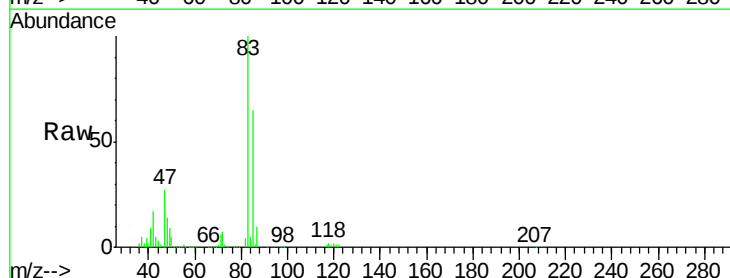
Manual Integrations  
APPROVED

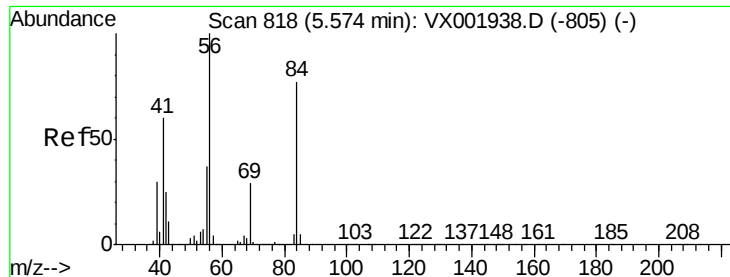
MMDadoda  
5/29/2018 4:39:24 PM



#30  
Chloroform  
Concen: 19.953 ug/l  
RT: 5.22 min Scan# 760  
Delta R.T. 0.00 min  
Lab File: VX001993.D  
Acq: 25 May 2018 23:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.8  | 50.9  | 76.3  |





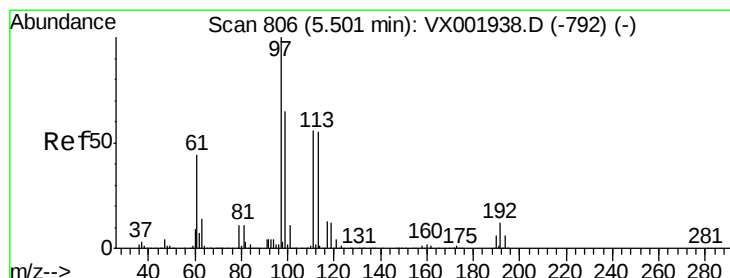
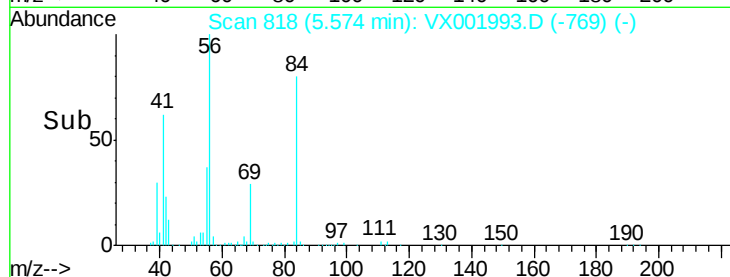
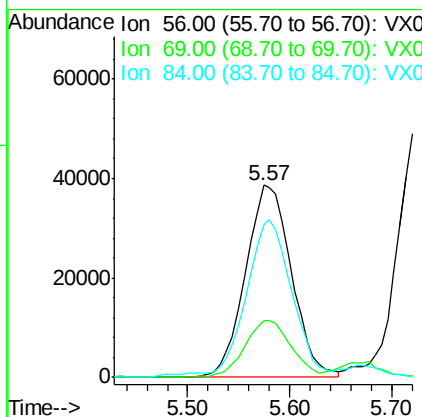
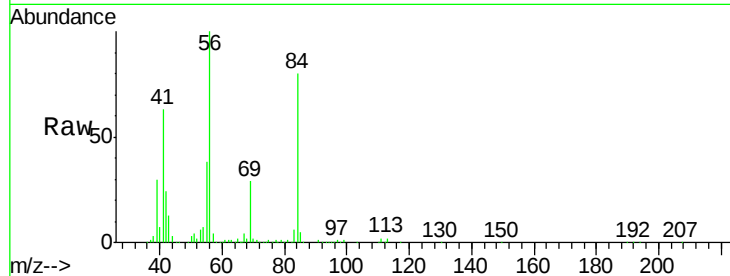
#31  
Cyclohexane  
Concen: 19.294 ug/l  
RT: 5.57 min Scan# 818  
Delta R.T. 0.00 min  
Lab File: VX001993.D  
Acq: 25 May 2018 23:16

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0525WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 29.2  | 23.1  | 34.7  |
| 84      | 77.8  | 62.0  | 93.0  |

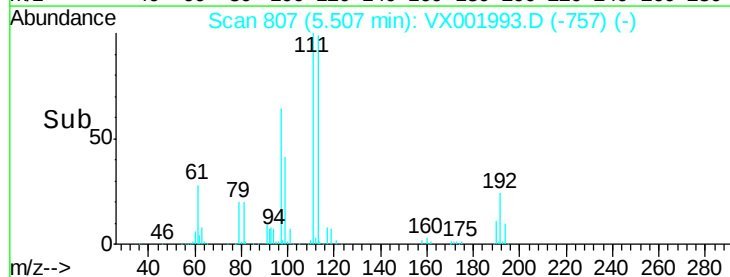
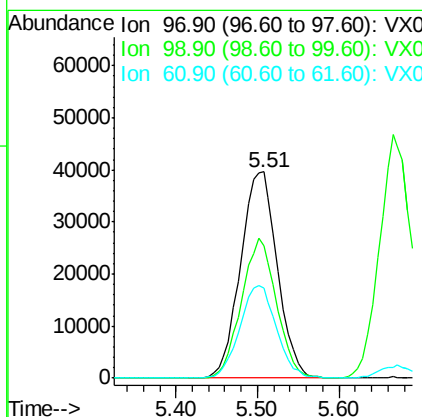
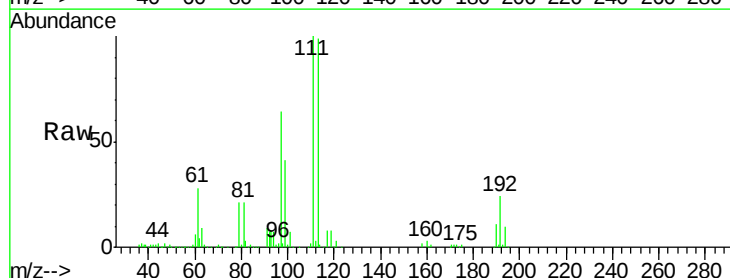
Manual Integrations  
APPROVED

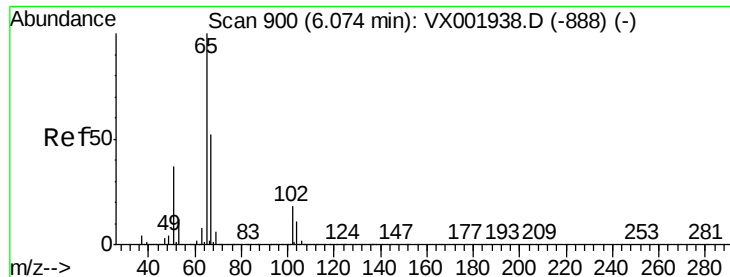
MMDadoda  
5/29/2018 4:39:24 PM



#32  
1,1,1-Trichloroethane  
Concen: 19.696 ug/l  
RT: 5.51 min Scan# 807  
Delta R.T. 0.01 min  
Lab File: VX001993.D  
Acq: 25 May 2018 23:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 65.1  | 51.9  | 77.9  |
| 61      | 45.1  | 35.9  | 53.9  |





#33

1,2-Dichloroethane-d4

Concen: 50.162 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA\_X

ClientSampleId :

VX0525WBSD02

Tot Ion: 65 Resp: 226201

Ion Ratio Lower Upper

65 100

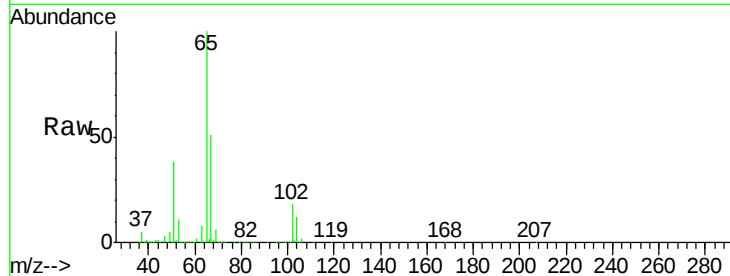
67 52.2 0.0 104.0

Manual Integrations

APPROVED

MMDadoda

5/29/2018 4:39:24 PM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

80000

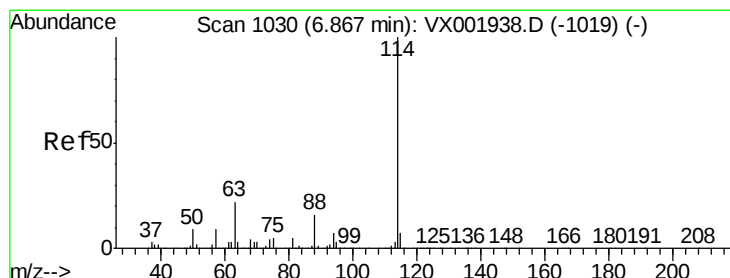
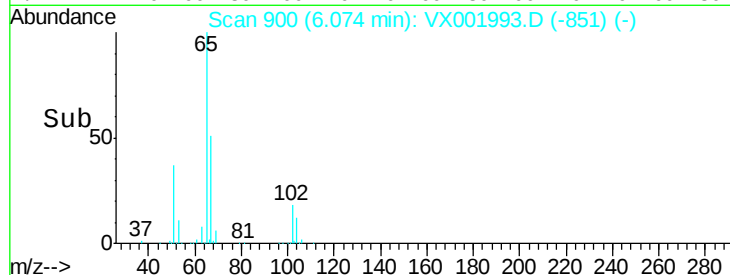
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

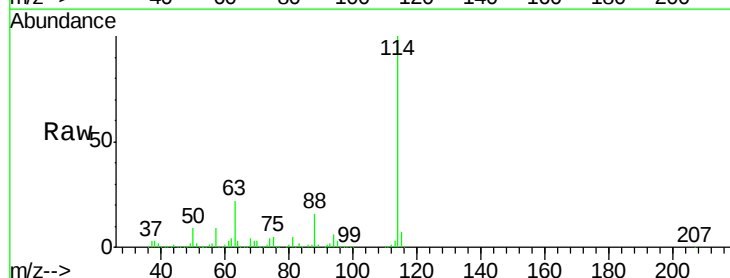
Tgt Ion: 114 Resp: 362804

Ion Ratio Lower Upper

114 100

63 22.2 0.0 43.2

88 16.3 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

200000

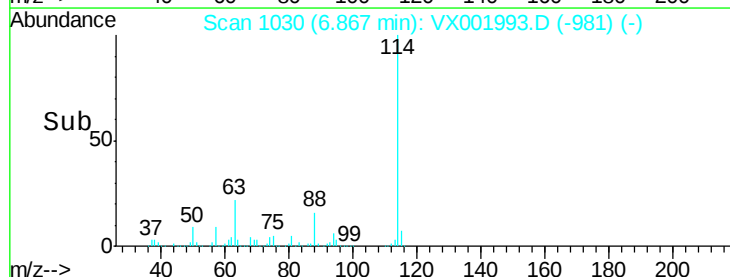
150000

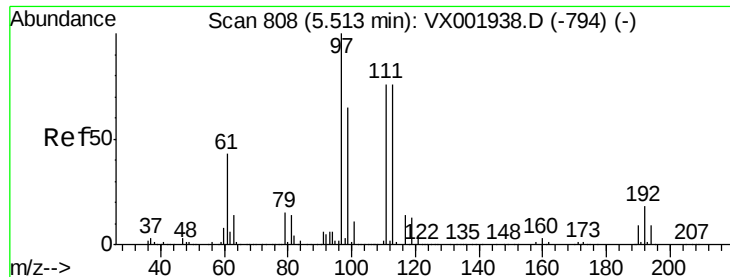
100000

50000

0

Time-->





#35

Dibromofluoromethane

Concen: 48.347 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA\_X

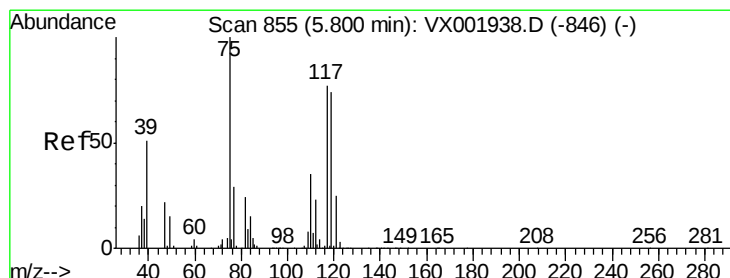
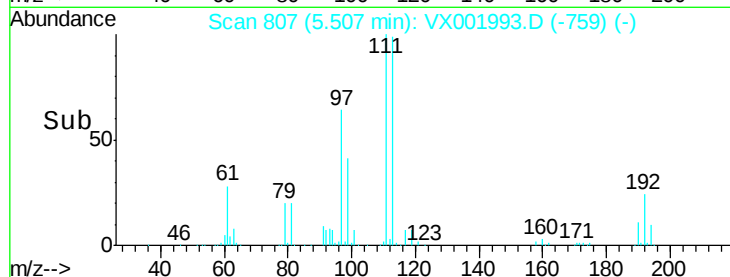
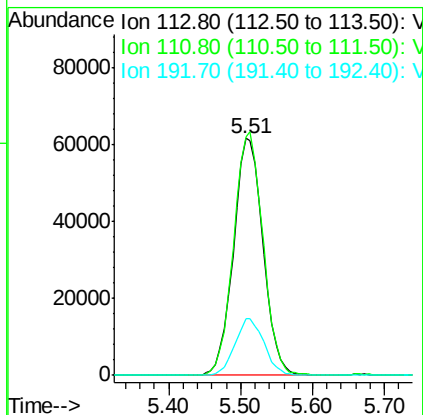
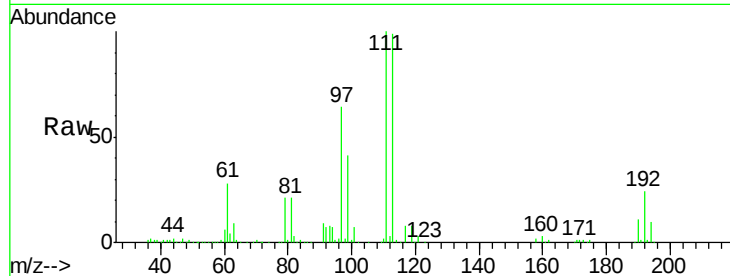
ClientSampleId :

VX0525WBSD02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 175404 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 102.0 | 82.0  | 123.0  |
| 192       | 23.6  | 18.9  | 28.3   |

Manual Integrations  
APPROVED

MMDadoda  
5/29/2018 4:39:24 PM



#36

1,1-Dichloropropene

Concen: 18.619 ug/l

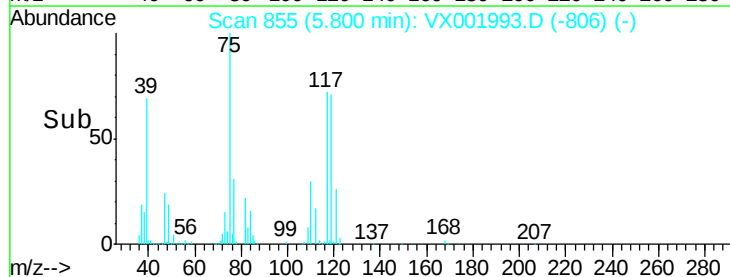
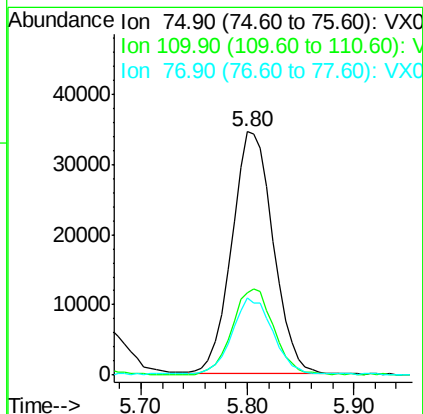
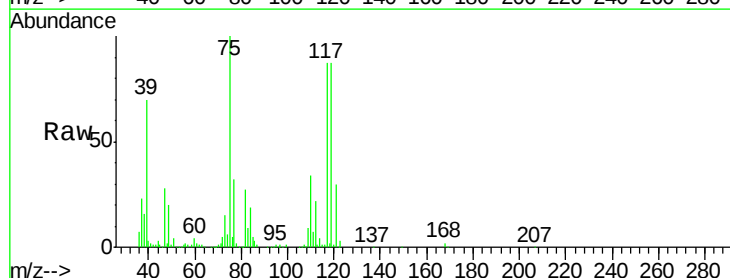
RT: 5.80 min Scan# 855

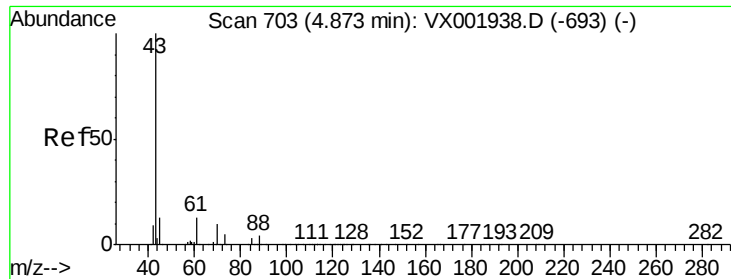
Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 93962 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 36.1  | 17.4  | 52.2  |
| 77        | 31.0  | 24.4  | 36.6  |





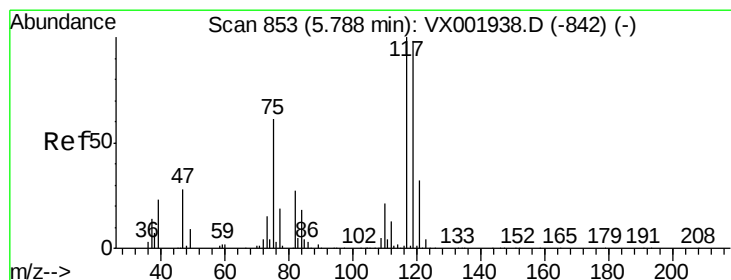
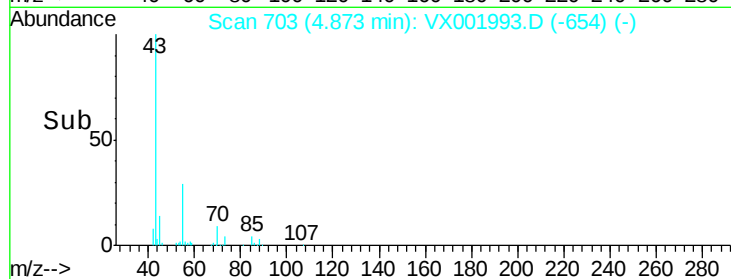
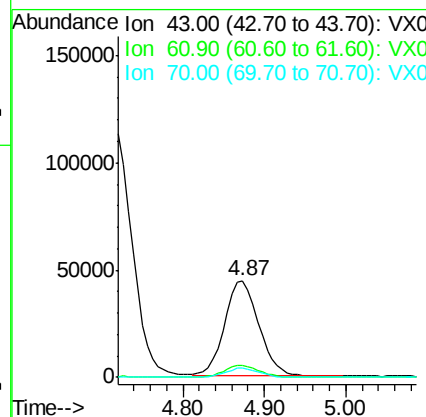
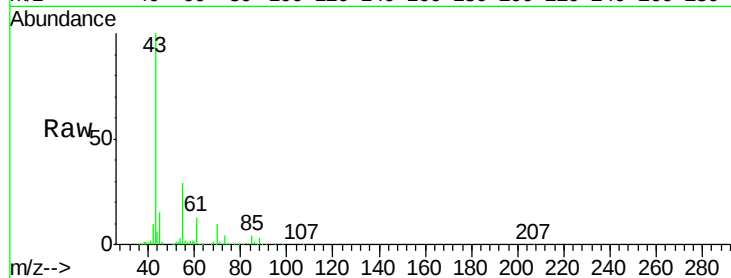
#37  
Ethyl Acetate  
Concen: 19.830 ug/l  
RT: 4.87 min Scan# 703  
Delta R.T. 0.00 min  
Lab File: VX001993.D  
Acq: 25 May 2018 23:16

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0525WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 12.2  | 10.2  | 15.2  |
| 70      | 9.0   | 7.8   | 11.8  |

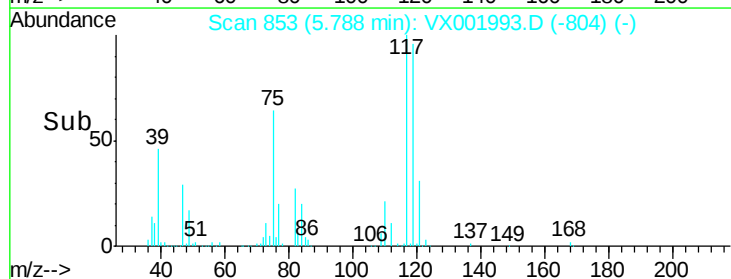
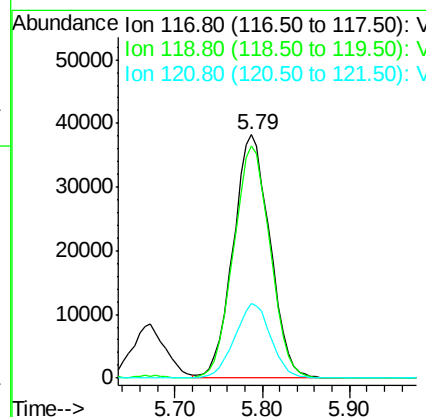
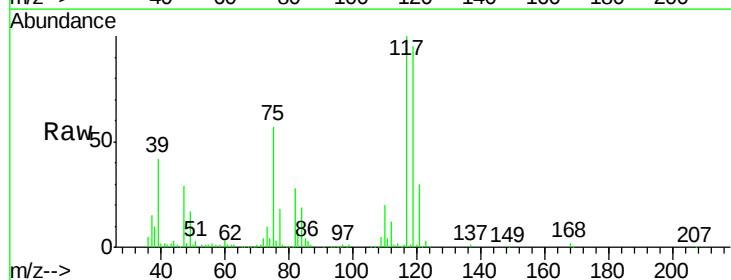
Manual Integrations  
APPROVED

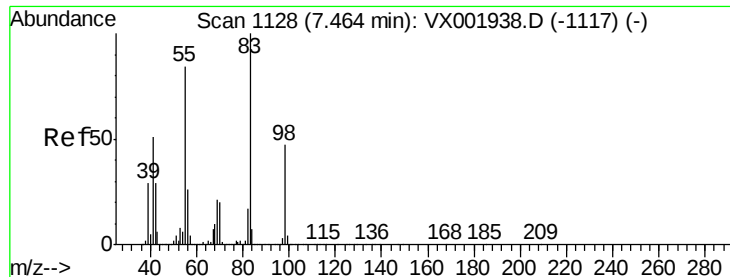
MMDadoda  
5/29/2018 4:39:24 PM



#38  
Carbon Tetrachloride  
Concen: 18.962 ug/l  
RT: 5.79 min Scan# 853  
Delta R.T. 0.00 min  
Lab File: VX001993.D  
Acq: 25 May 2018 23:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 95.3  | 78.5  | 117.7 |
| 121     | 30.4  | 25.5  | 38.3  |





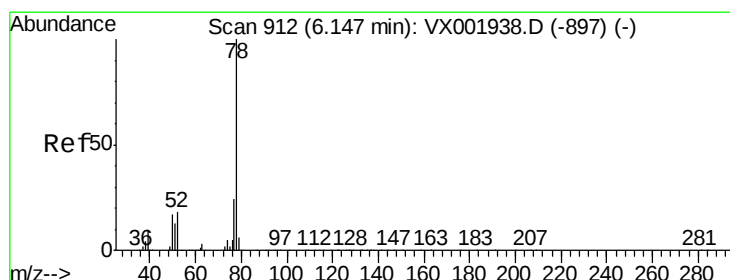
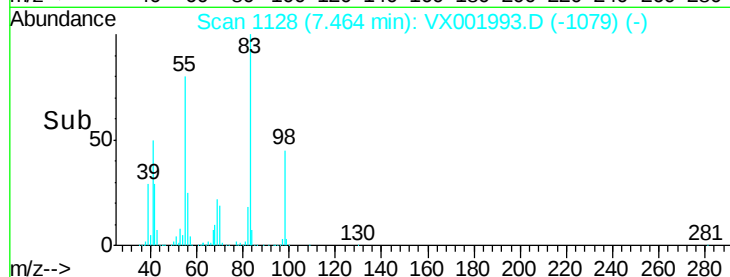
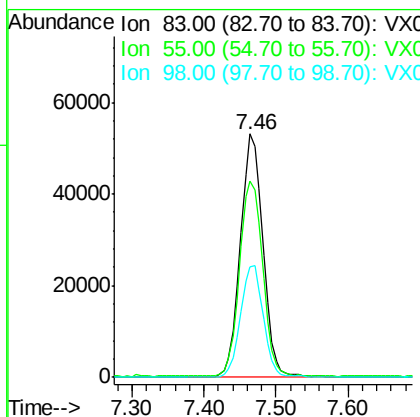
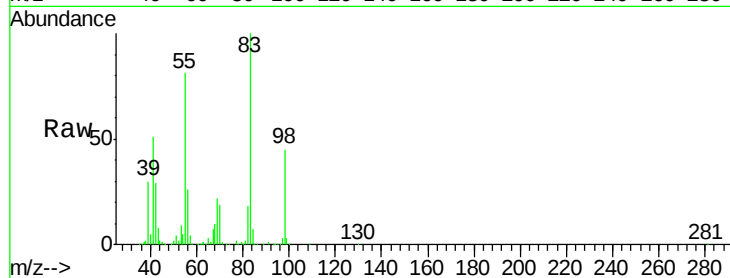
#39  
Methvlcvclohexane  
Concen: 18.712 ug/l  
RT: 7.46 min Scan# 1128  
Delta R.T. 0.00 min  
Lab File: VX001993.D  
Acq: 25 May 2018 23:16

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0525WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 80.3  | 67.3  | 100.9 |
| 98      | 45.1  | 37.5  | 56.3  |

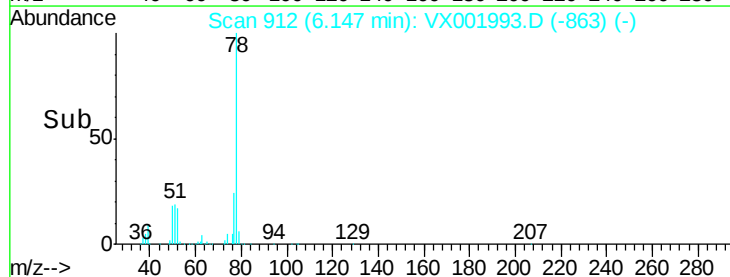
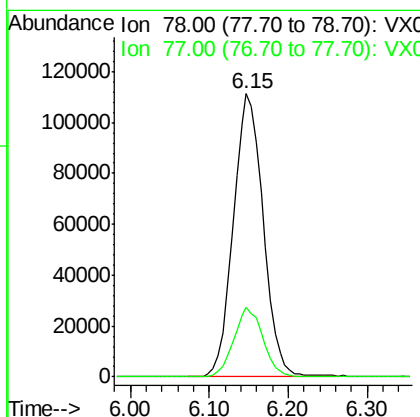
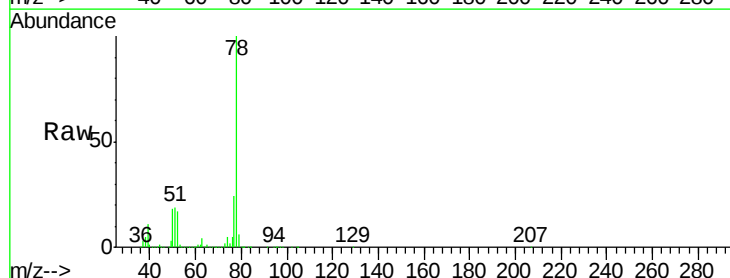
Manual Integrations  
APPROVED

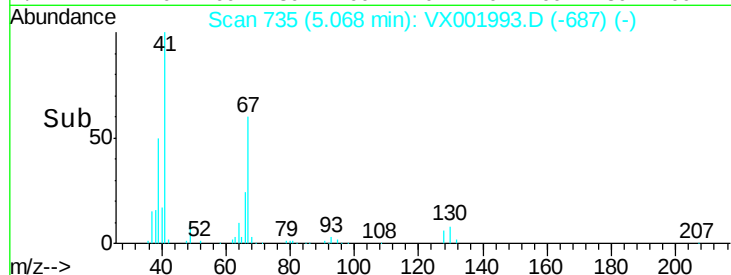
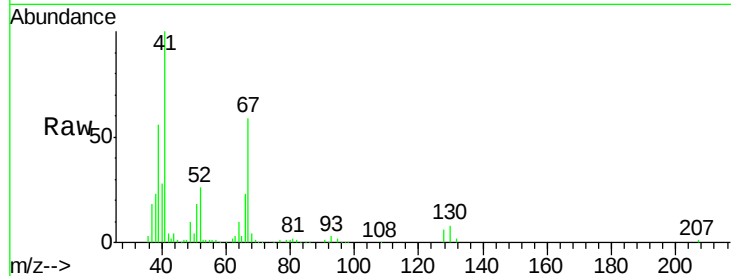
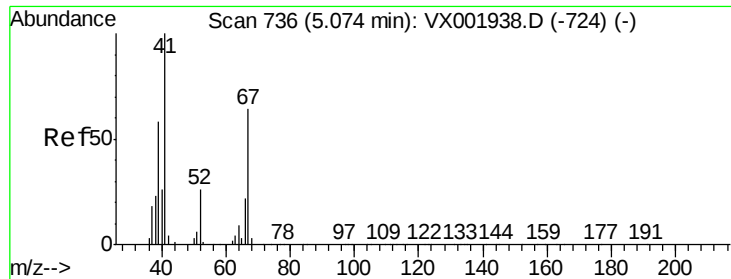
MMDadoda  
5/29/2018 4:39:24 PM



#40  
Benzene  
Concen: 19.856 ug/l  
RT: 6.15 min Scan# 912  
Delta R.T. 0.00 min  
Lab File: VX001993.D  
Acq: 25 May 2018 23:16

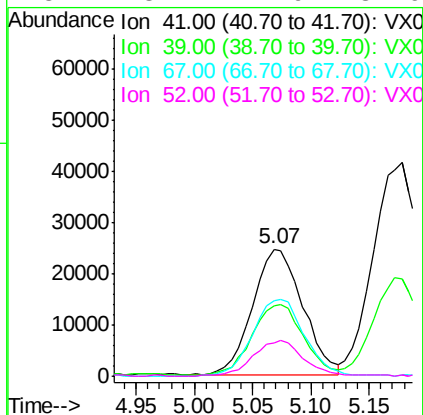
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.3  | 19.1  | 28.7  |





#41  
Methacrylonitrile  
Concen: 20.207 ug/l  
RT: 5.07 min Scan# 735  
Delta R.T. -0.01 min  
Lab File: VX001993.D  
Acq: 25 May 2018 23:16

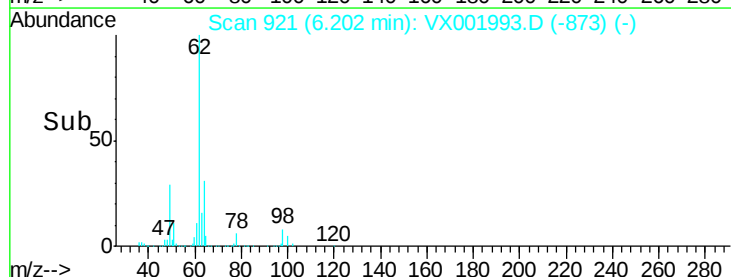
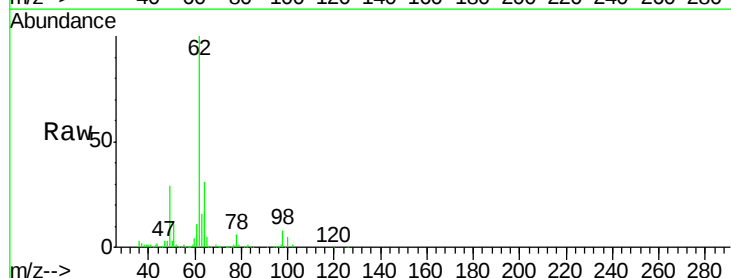
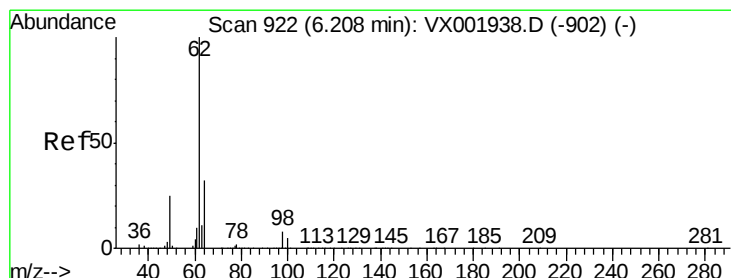
| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 57.2 | 46.0  | 69.0  |       |
| 67      | 63.2 | 50.6  | 75.8  |       |
| 52      | 28.2 | 21.9  | 32.9  |       |



Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0525WBSD02

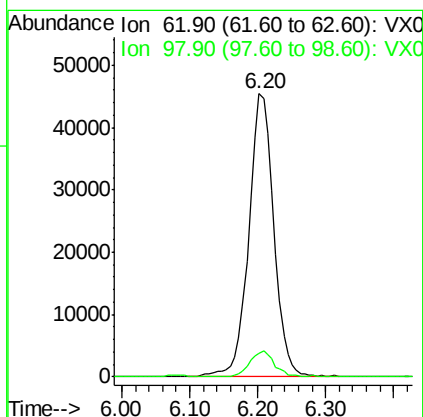
Manual Integrations  
APPROVED

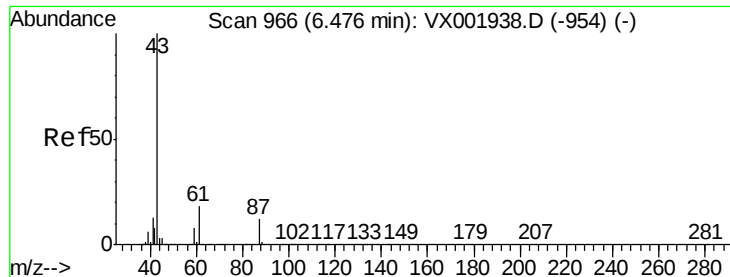
MMDadoda  
5/29/2018 4:39:24 PM



#42  
1,2-Dichloroethane  
Concen: 19.664 ug/l  
RT: 6.20 min Scan# 921  
Delta R.T. -0.01 min  
Lab File: VX001993.D  
Acq: 25 May 2018 23:16

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 62      | 100 |       |       |       |
| 98      | 8.7 | 0.0   | 17.0  |       |





#43

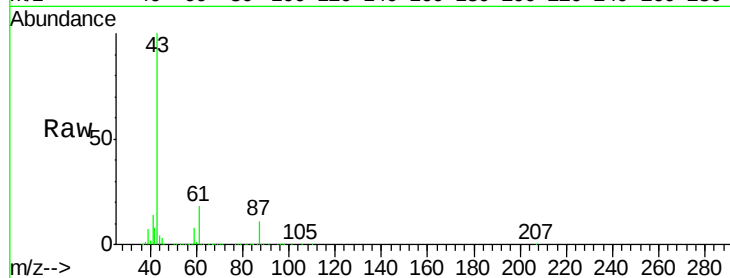
Isopropyl Acetate  
 Concen: 20.195 ug/l  
 RT: 6.48 min Scan# 966  
 Delta R.T. 0.00 min  
 Lab File: VX001993.D  
 Acq: 25 May 2018 23:16

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0525WBSD02

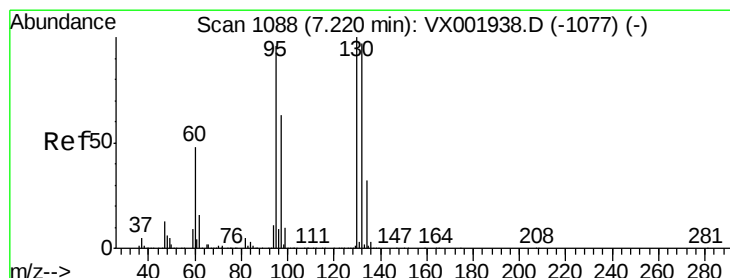
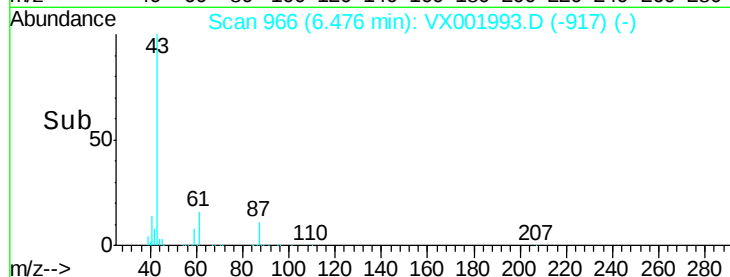
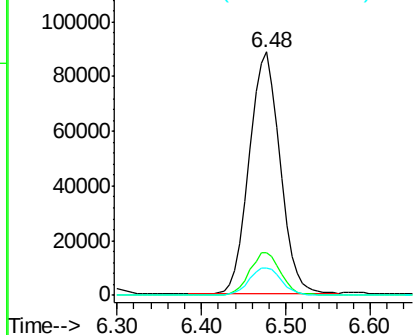
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 18.0  | 14.5  | 21.7  |
| 87      | 11.8  | 9.5   | 14.3  |

Manual Integrations  
 APPROVED

MMDadoda  
 5/29/2018 4:39:24 PM



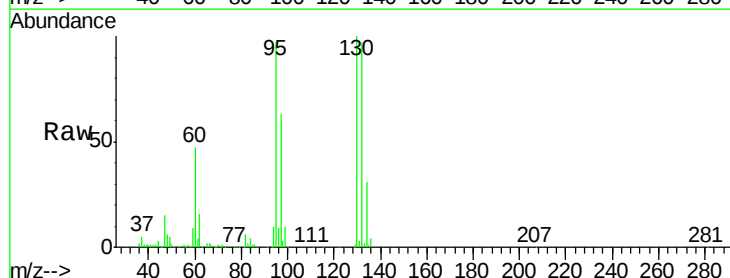
Abundance Ion 43.00 (42.70 to 43.70): VX0  
 Ion 61.00 (60.70 to 61.70): VX0  
 Ion 87.00 (86.70 to 87.70): VX0



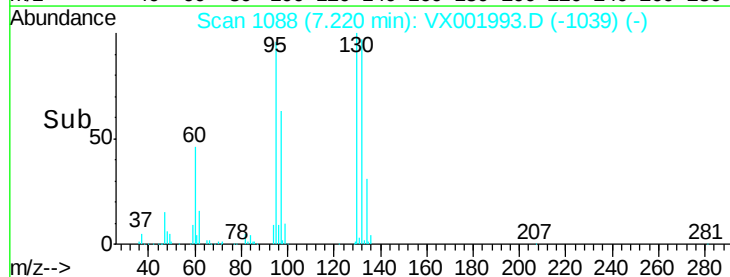
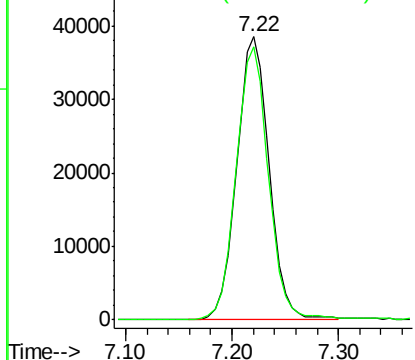
#44

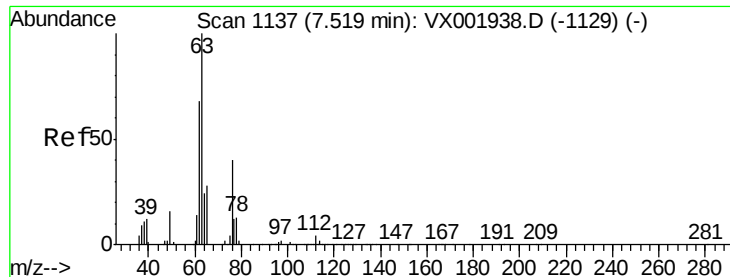
Trichloroethene  
 Concen: 19.057 ug/l  
 RT: 7.22 min Scan# 1088  
 Delta R.T. 0.00 min  
 Lab File: VX001993.D  
 Acq: 25 May 2018 23:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 96.5  | 0.0   | 192.0 |



Abundance Ion 129.80 (129.50 to 130.50): V  
 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 20.124 ug/l

RT: 7.53 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA\_X

ClientSampleId :

VX0525WBSD02

Tot Ion: 63 Resp: 80800

Ion Ratio Lower Upper

63 100

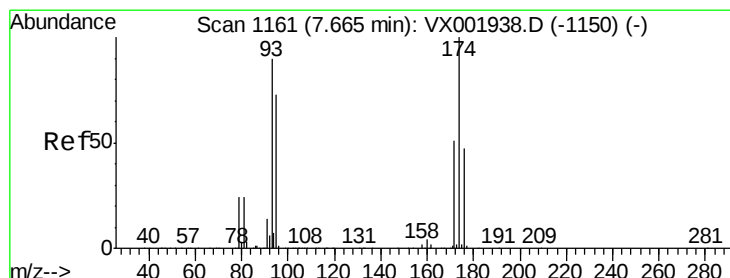
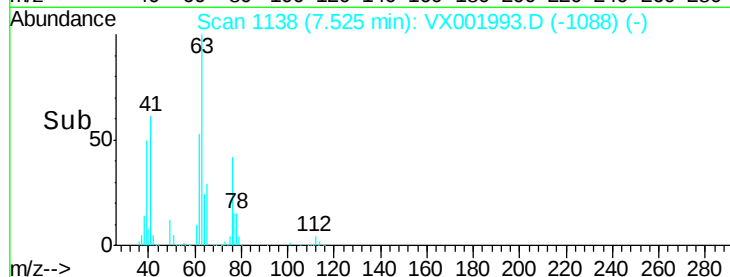
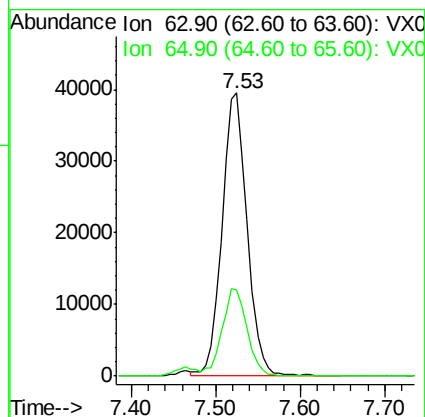
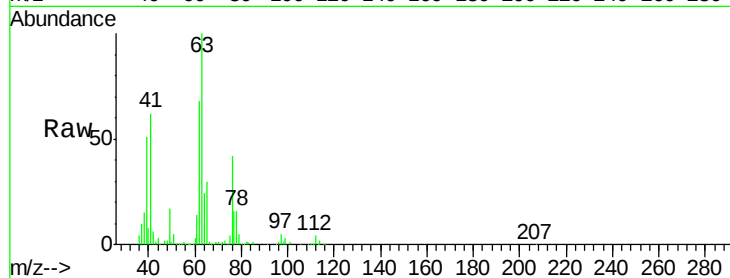
65 30.2 24.1 36.1

Manual Integrations

APPROVED

MMDadoda

5/29/2018 4:39:24 PM



#46

Dibromomethane

Concen: 20.237 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. 0.01 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

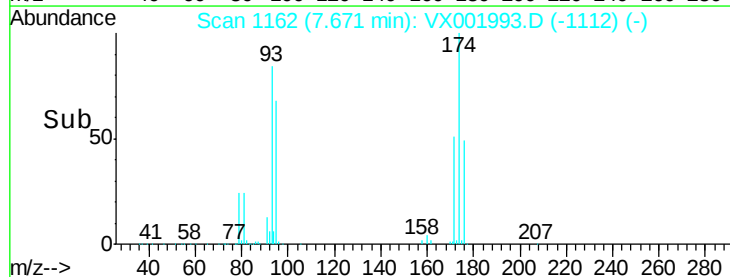
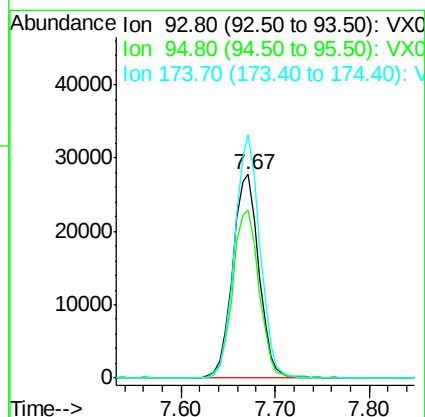
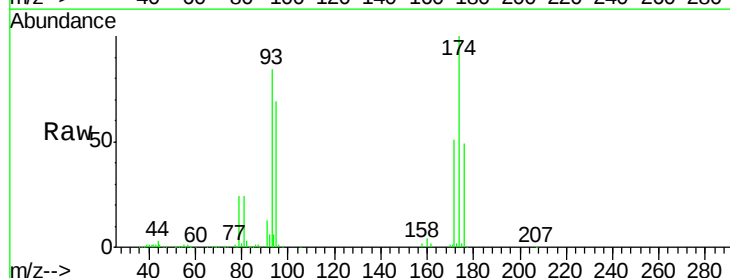
Tgt Ion: 93 Resp: 53795

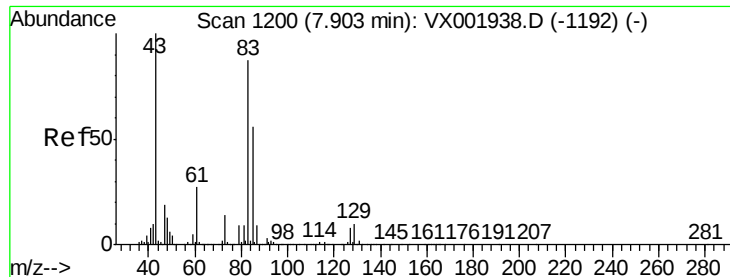
Ion Ratio Lower Upper

93 100

95 83.1 66.1 99.1

174 114.9 92.5 138.7





#47

Bromodichloromethane

Concen: 19.194 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA\_X

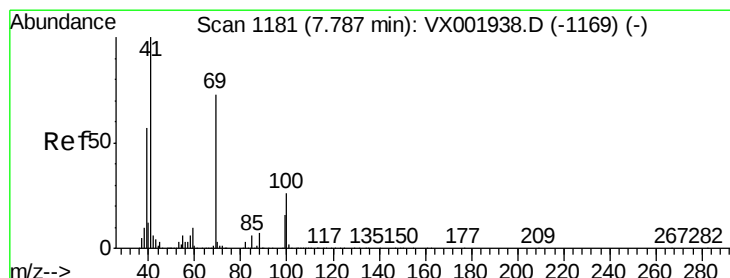
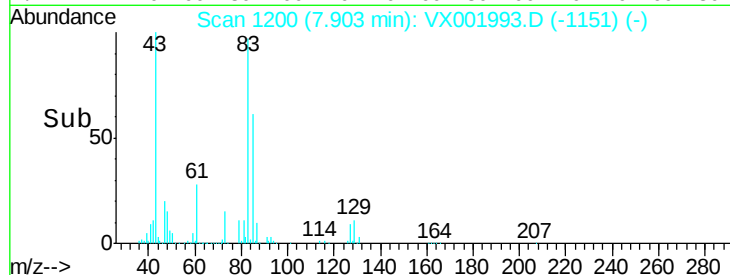
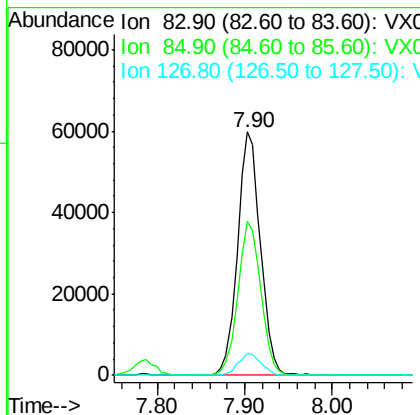
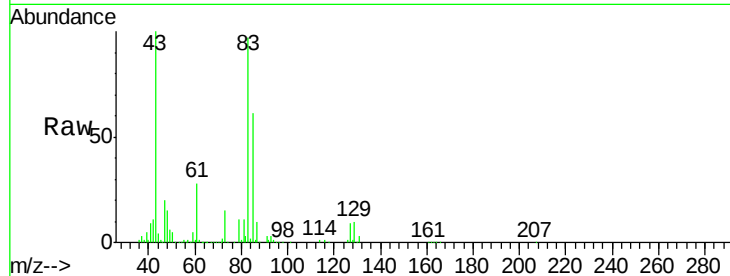
ClientSampleId :

VX0525WBSD02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 108793 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 63.0  | 51.4  | 77.2   |
| 127       | 9.2   | 7.1   | 10.7   |

Manual Integrations  
APPROVED

MMDadoda  
5/29/2018 4:39:24 PM



#48

Methyl methacrylate

Concen: 20.089 ug/l

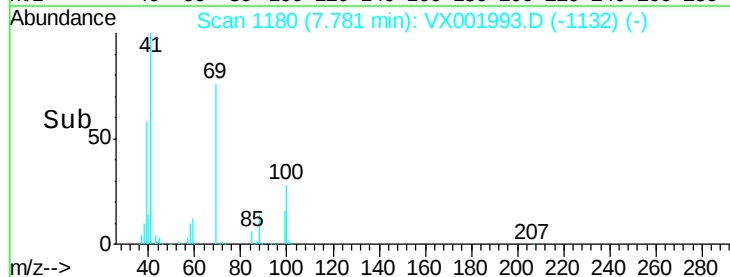
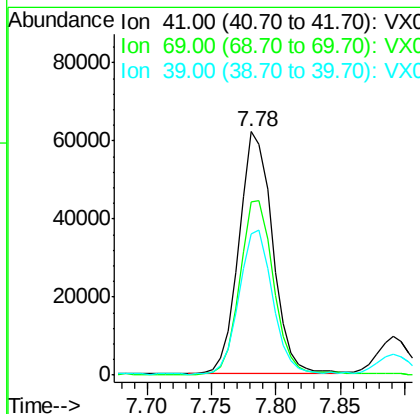
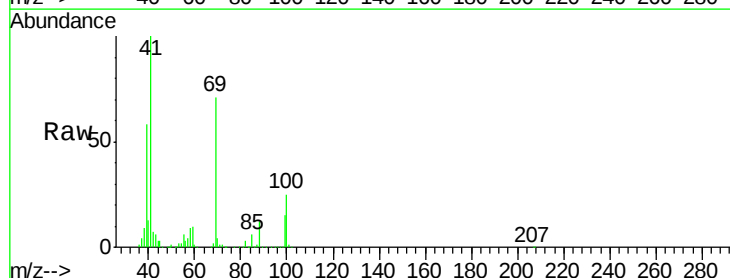
RT: 7.78 min Scan# 1180

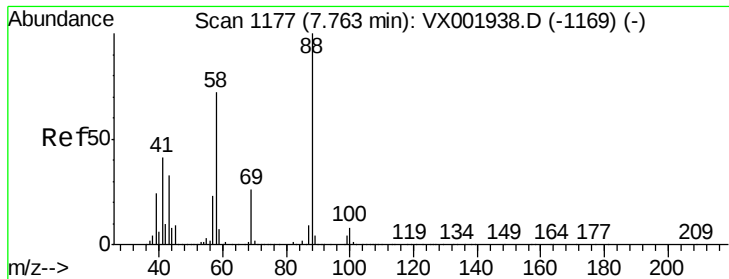
Delta R.T. -0.01 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 112084 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 72.7  | 58.6  | 87.8   |
| 39        | 59.6  | 46.3  | 69.5   |





#49

1,4-Dioxane

Concen: 430.359 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA\_X

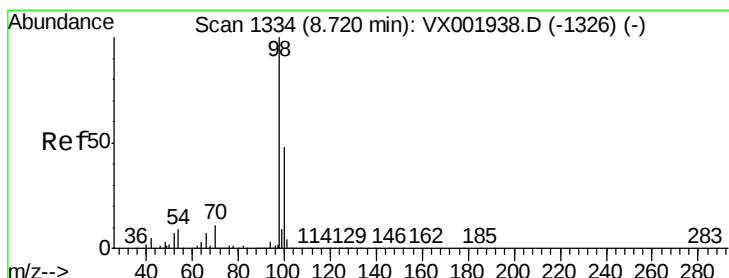
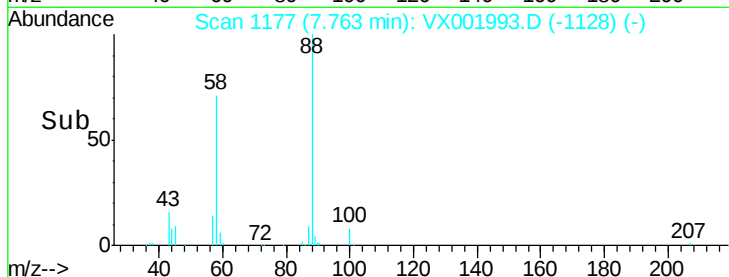
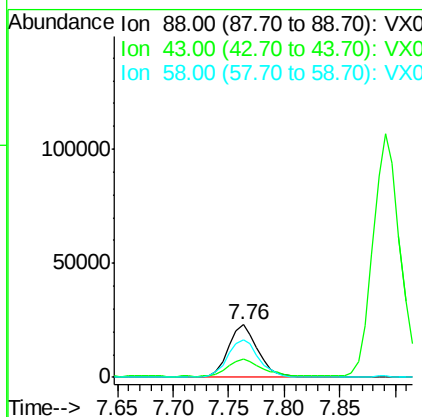
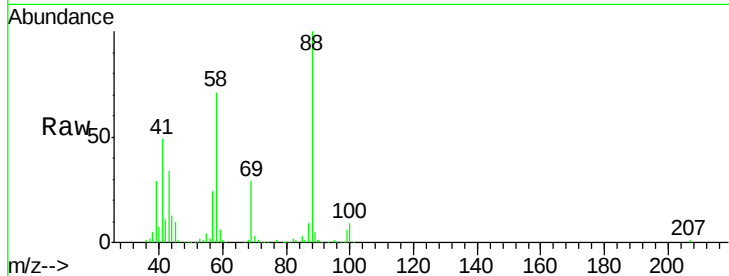
ClientSampleId :

VX0525WBSD02

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 88    | Resp: | 42312 |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 43       | 38.4  | 29.8  | 44.8  |
| 58       | 73.4  | 58.7  | 88.1  |

Manual Integrations  
APPROVED

MMDadoda  
5/29/2018 4:39:24 PM



#50

Toluene-d8

Concen: 48.255 ug/l

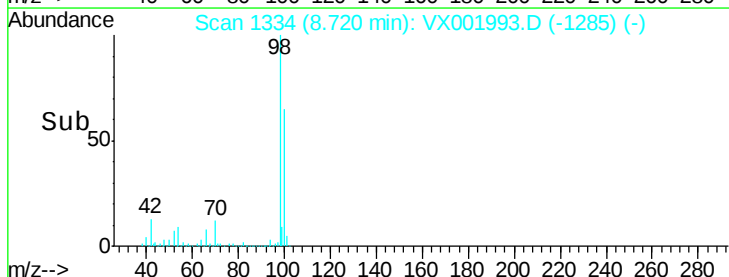
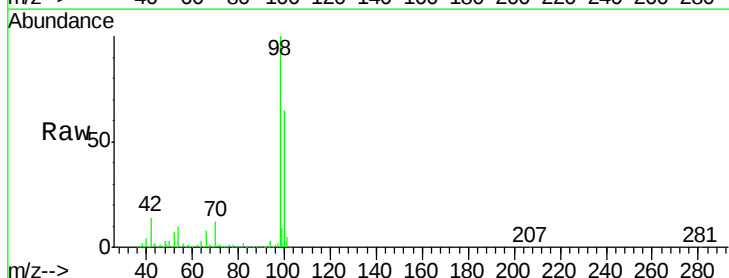
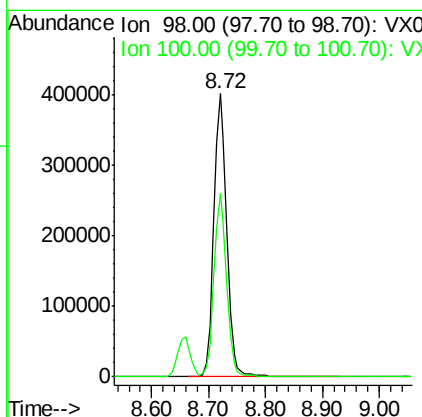
RT: 8.72 min Scan# 1334

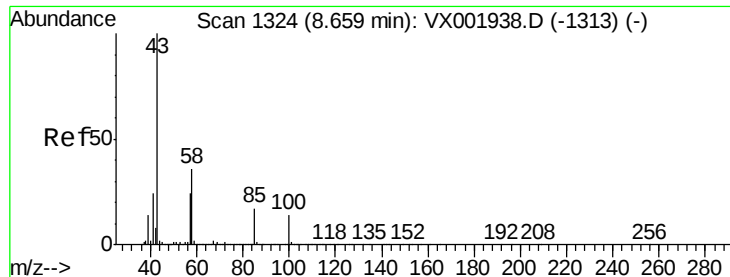
Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 633821 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 64.0  | 51.5  | 77.3   |





#51

4-Methyl-2-Pentanone

Concen: 106.267 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA\_X

ClientSampleId :

VX0525WBSD02

Tot Ion: 43 Resp: 702235

Ion Ratio Lower Upper

43 100

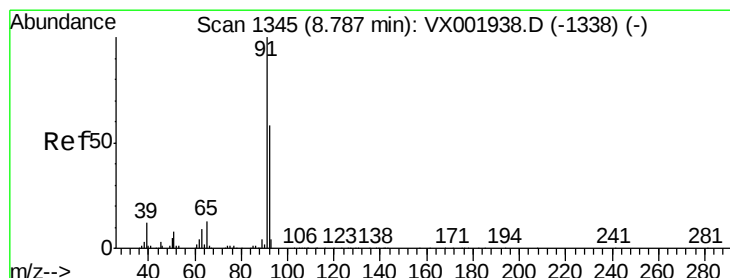
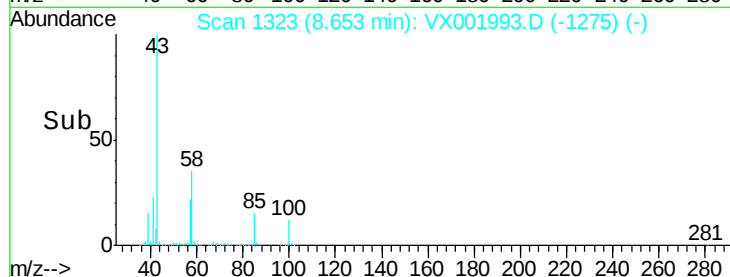
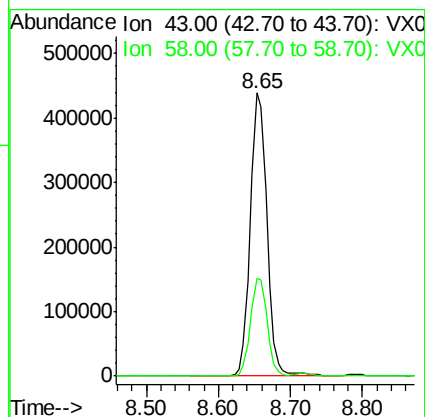
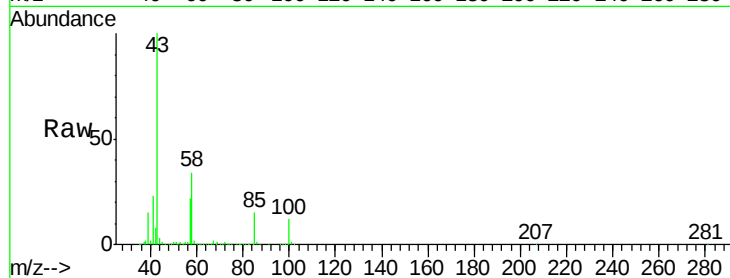
58 34.6 28.5 42.7

Manual Integrations

APPROVED

MMDadoda

5/29/2018 4:39:24 PM



#52

Toluene

Concen: 19.479 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX001993.D

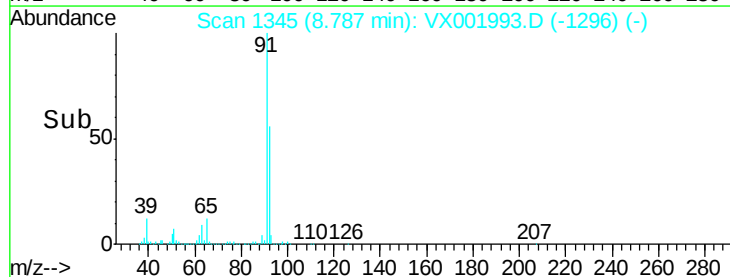
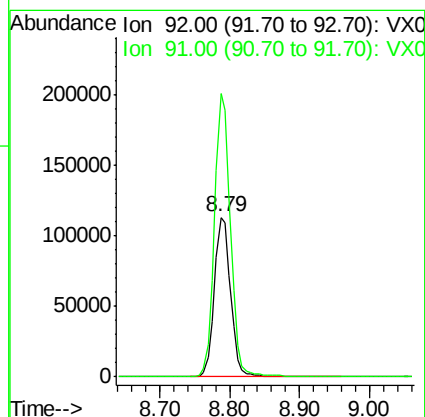
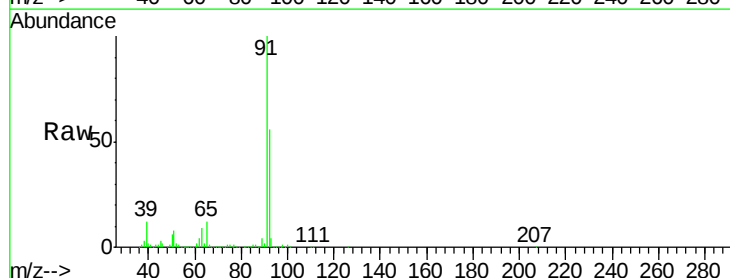
Acq: 25 May 2018 23:16

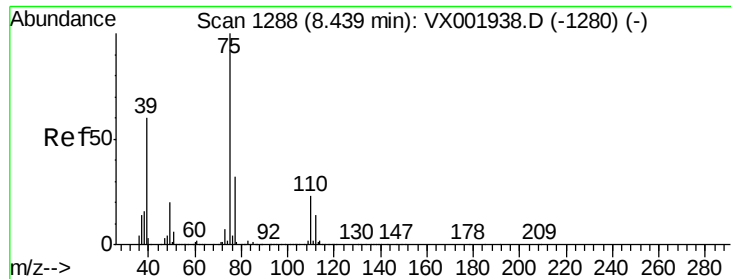
Tgt Ion: 92 Resp: 183273

Ion Ratio Lower Upper

92 100

91 173.9 139.4 209.2





#53

t-1,3-Dichloropropene

Concen: 18.664 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Tot Ion: 75 Resp: 121840

Ion Ratio Lower Upper

75 100

77 31.3 25.5 38.3

Instrument :

MSVOA\_X

ClientSampleId :

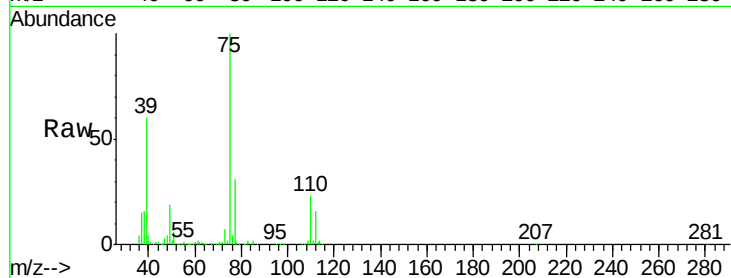
VX0525WBSD02

Manual Integrations

APPROVED

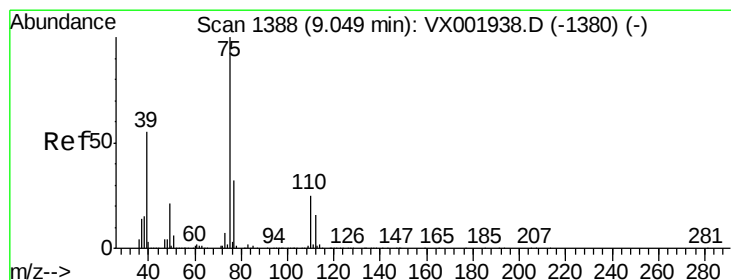
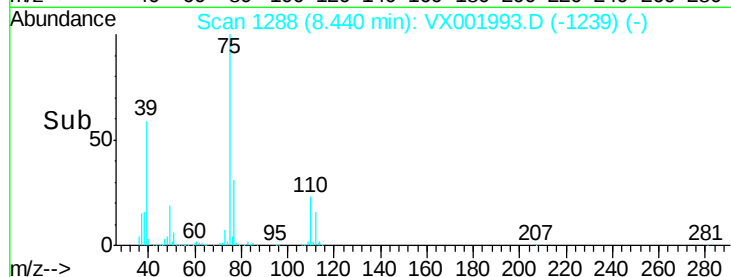
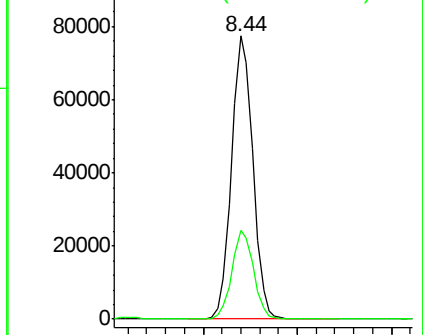
MMDadoda

5/29/2018 4:39:24 PM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 18.309 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

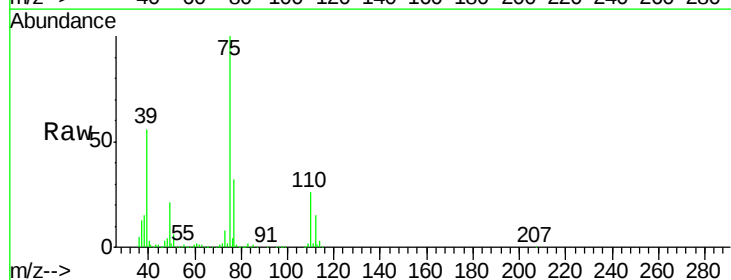
Tgt Ion: 75 Resp: 116466

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.0

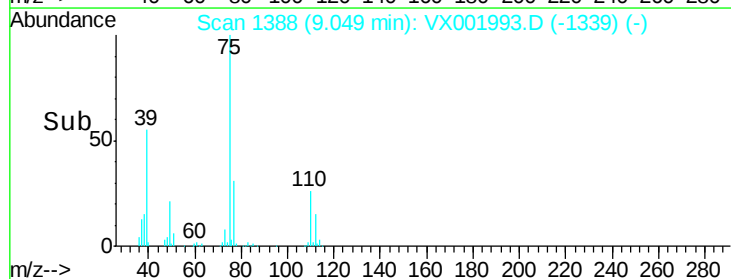
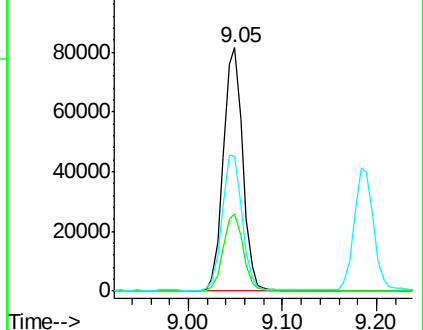
39 55.2 44.1 66.1

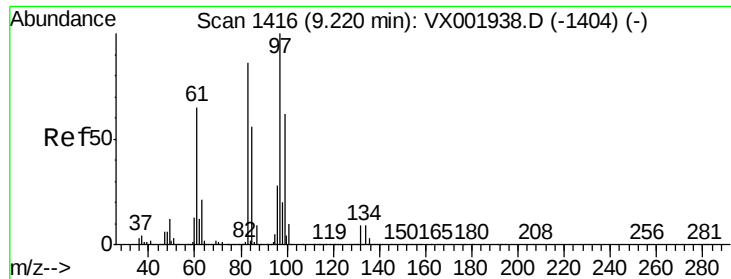


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





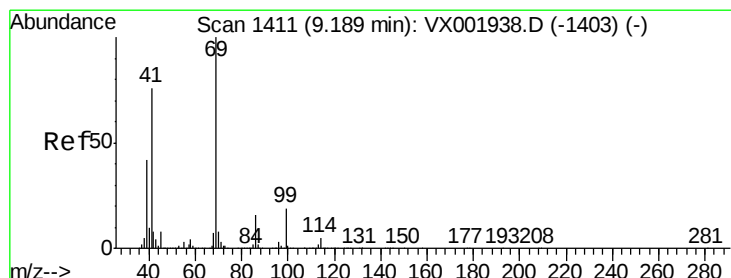
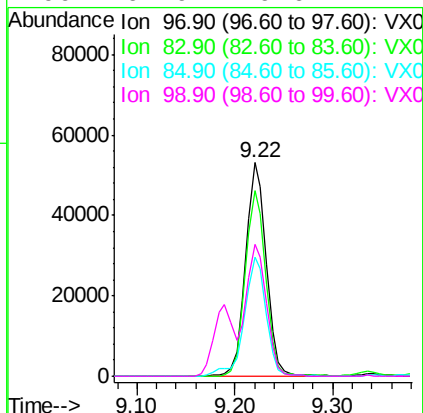
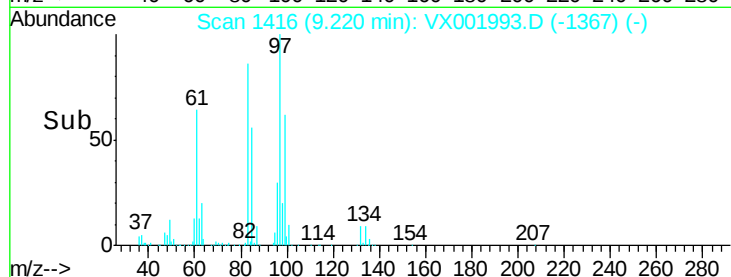
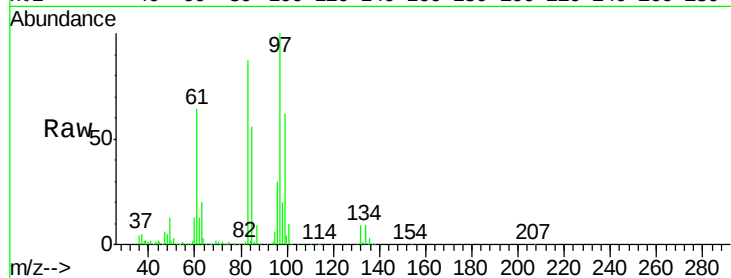
#55  
 1,1,2-Trichloroethane  
 Concen: 19.901 ug/l  
 RT: 9.22 min Scan# 1416  
 Delta R.T. 0.00 min  
 Lab File: VX001993.D  
 Acq: 25 May 2018 23:16

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0525WBSD02

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 78222 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 86.5  | 69.1  | 103.7 |
| 85       | 55.6  | 45.2  | 67.8  |
| 99       | 61.9  | 49.6  | 74.4  |

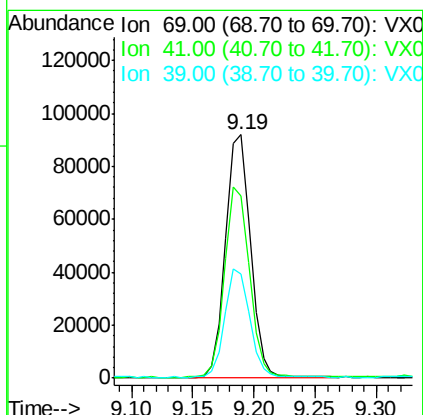
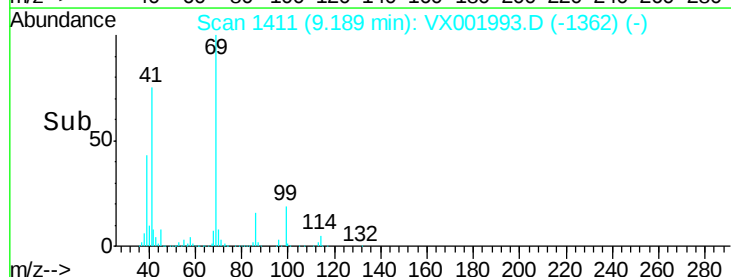
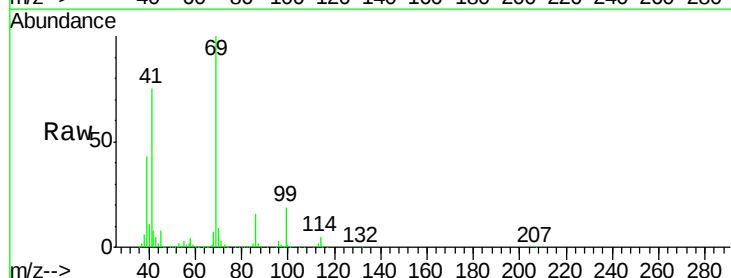
Manual Integrations  
 APPROVED

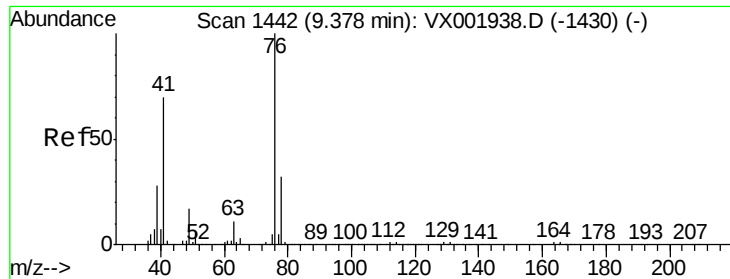
MMDadoda  
 5/29/2018 4:39:24 PM



#56  
 Ethyl methacrylate  
 Concen: 19.323 ug/l  
 RT: 9.19 min Scan# 1411  
 Delta R.T. 0.00 min  
 Lab File: VX001993.D  
 Acq: 25 May 2018 23:16

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 130637 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 78.1  | 61.0  | 91.6   |
| 39       | 44.2  | 34.4  | 51.6   |





#57

1,3-Dichloropropane

Concen: 20.391 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA\_X

ClientSampleId :

VX0525WBSD02

Tot Ion: 76 Resp: 132034

Ion Ratio Lower Upper

76 100

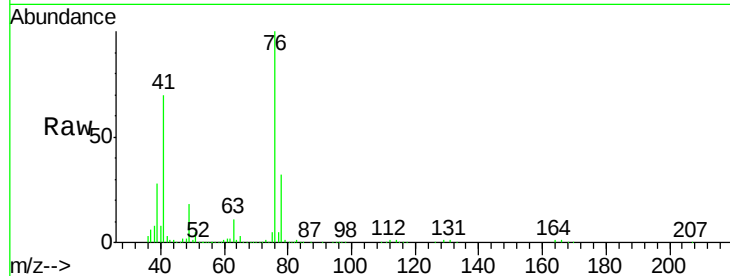
78 31.8 25.6 38.4

Manual Integrations

APPROVED

MMDadoda

5/29/2018 4:39:24 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.38

100000

80000

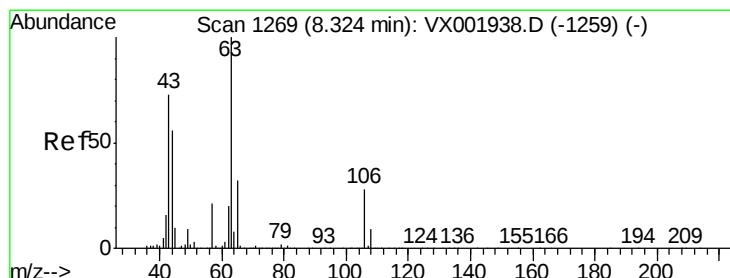
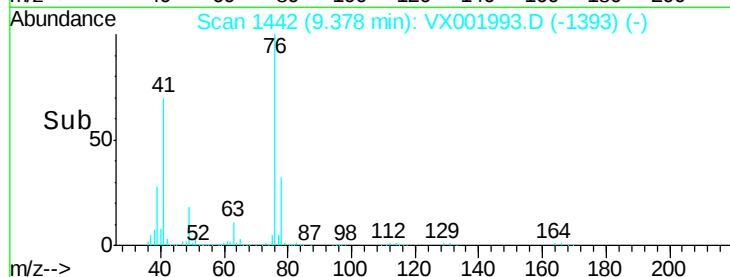
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 105.010 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX001993.D

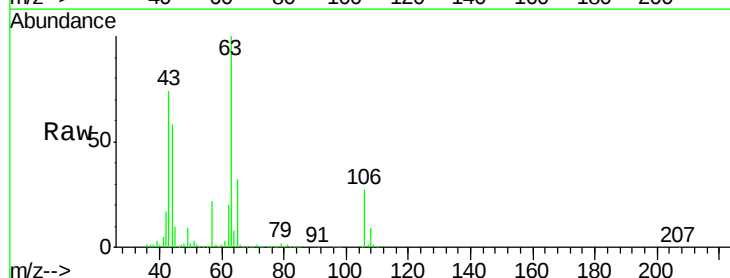
Acq: 25 May 2018 23:16

Tgt Ion: 63 Resp: 314669

Ion Ratio Lower Upper

63 100

106 26.7 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.32

200000

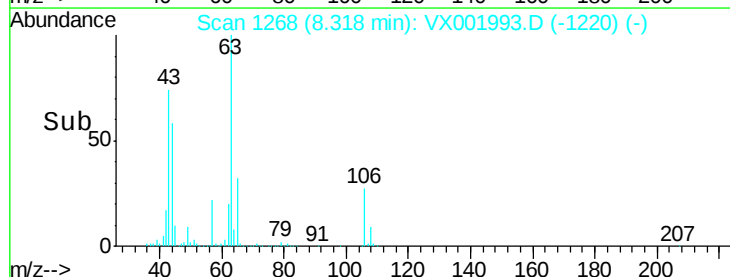
150000

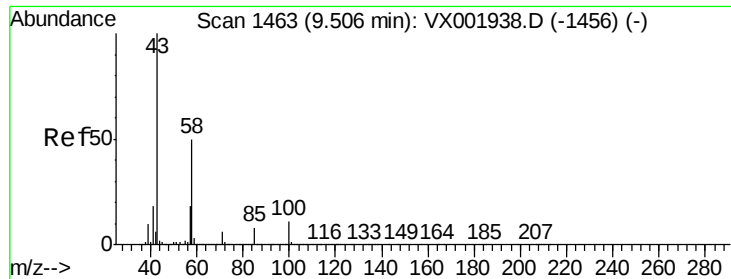
100000

50000

0

Time-->





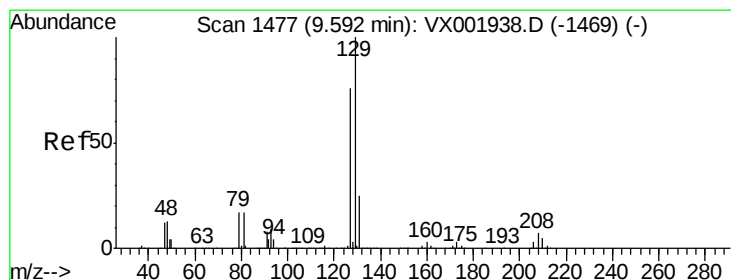
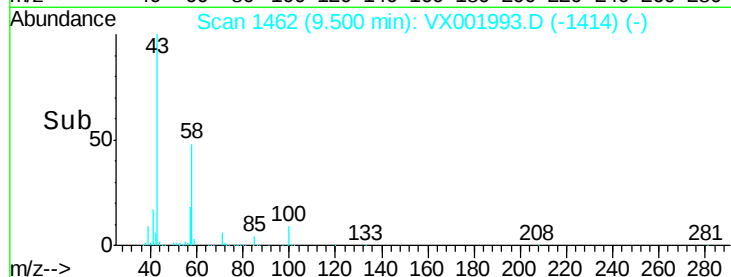
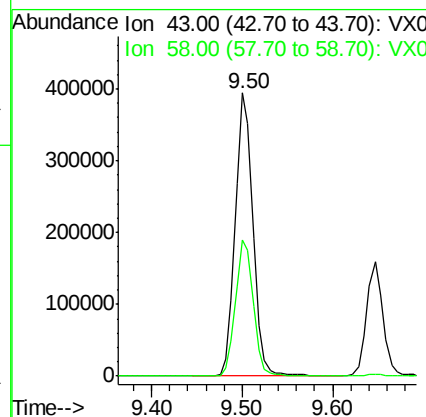
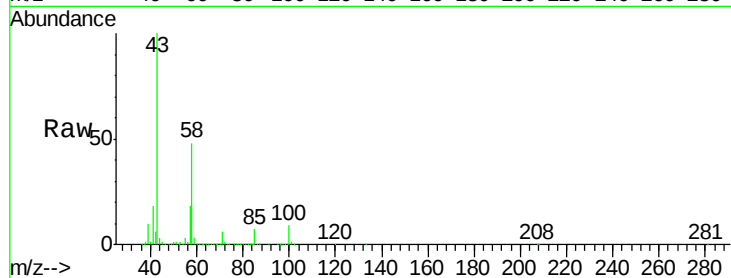
#59  
2-Hexanone  
Concen: 104.374 ug/l  
RT: 9.50 min Scan# 1462  
Delta R.T. -0.01 min  
Lab File: VX001993.D  
Acq: 25 May 2018 23:16

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0525WBSD02

Tot Ion: 43 Resp: 531823  
Ion Ratio Lower Upper  
43 100  
58 48.8 24.9 74.6

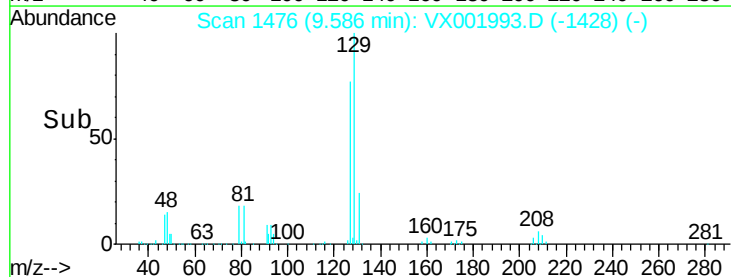
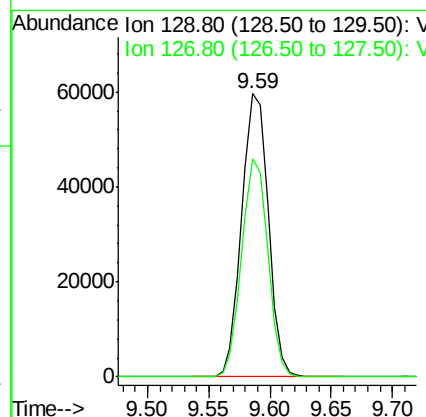
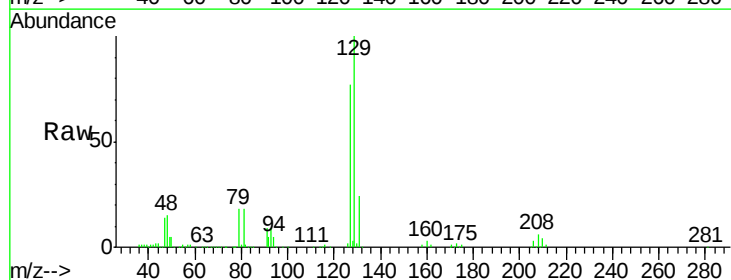
Manual Integrations  
APPROVED

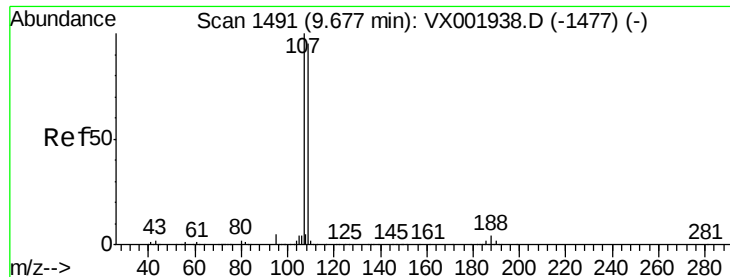
MMDadoda  
5/29/2018 4:39:24 PM



#60  
Dibromochloromethane  
Concen: 19.327 ug/l  
RT: 9.59 min Scan# 1476  
Delta R.T. -0.01 min  
Lab File: VX001993.D  
Acq: 25 May 2018 23:16

Tgt Ion: 129 Resp: 89978  
Ion Ratio Lower Upper  
129 100  
127 75.7 38.3 114.9





#61

1,2-Dibromoethane

Concen: 20.022 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA\_X

ClientSampleId :

VX0525WBSD02

Tot Ion:107 Resp: 82576

Ion Ratio Lower Upper

107 100

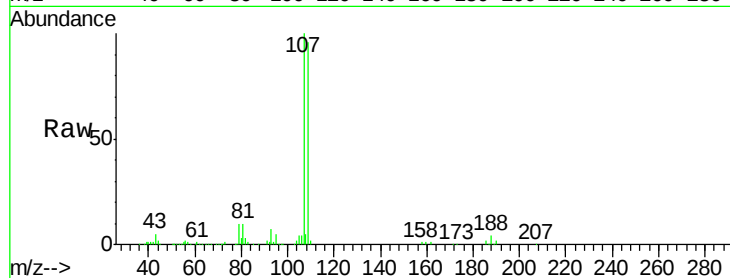
109 96.1 75.3 112.9

Manual Integrations

APPROVED

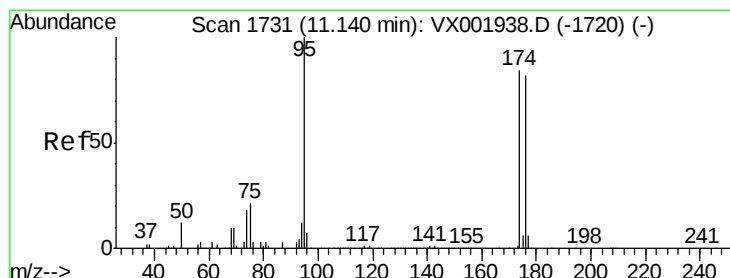
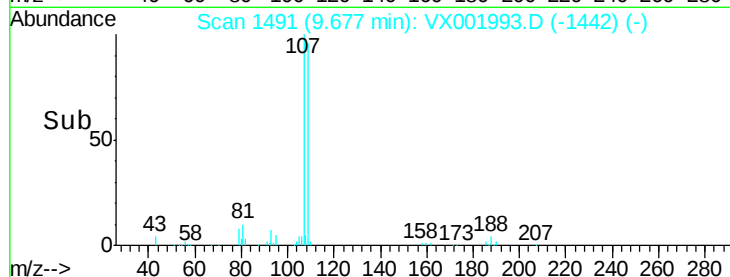
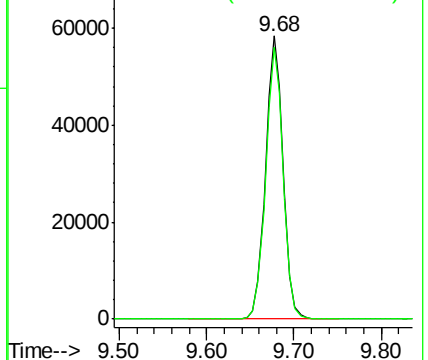
MMDadoda

5/29/2018 4:39:24 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.021 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

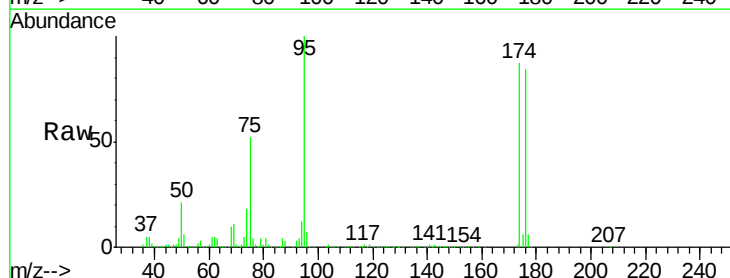
Tgt Ion: 95 Resp: 241646

Ion Ratio Lower Upper

95 100

174 91.3 0.0 178.8

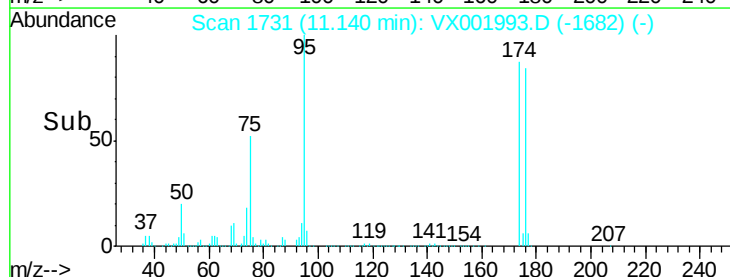
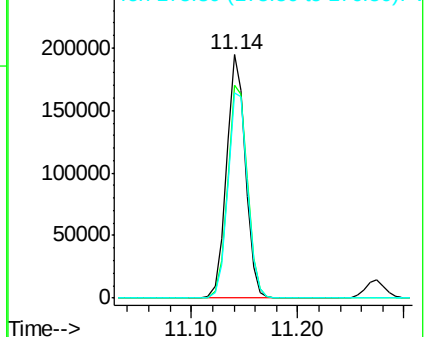
176 88.5 0.0 175.6

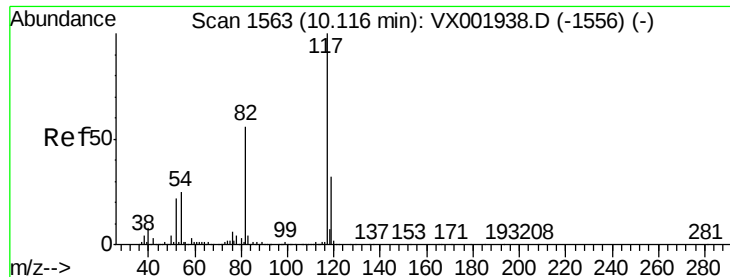


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





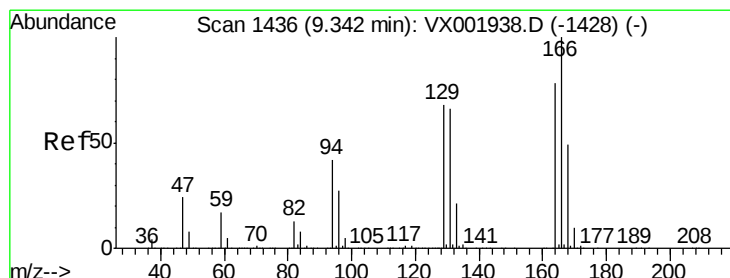
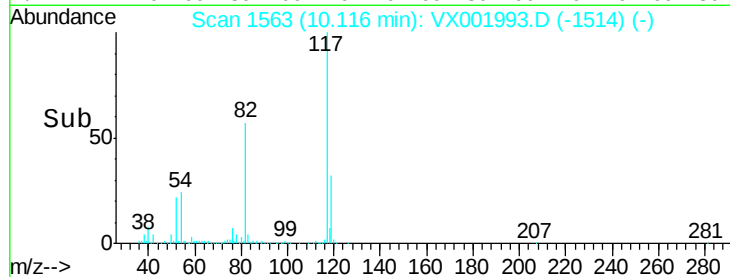
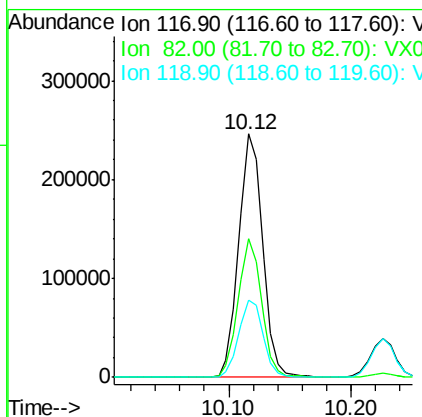
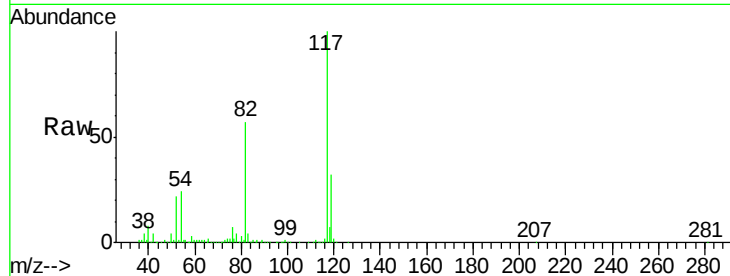
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. 0.00 min  
Lab File: VX001993.D  
Acq: 25 May 2018 23:16

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0525WBSD02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 334345 |       |       |
| 82      | 56.8  |        | 44.8  | 67.2  |
| 119     | 31.5  |        | 25.5  | 38.3  |

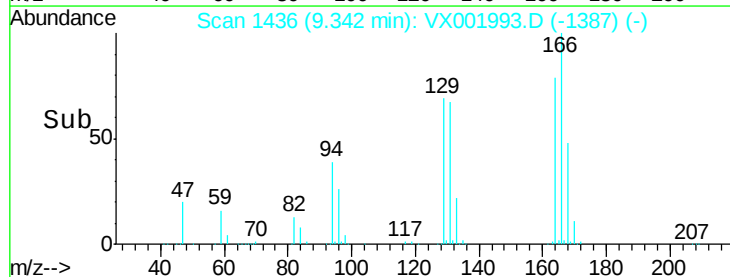
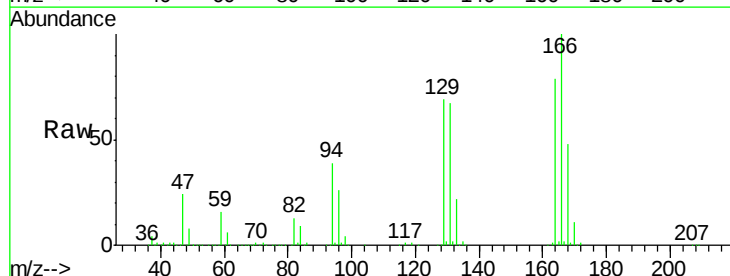
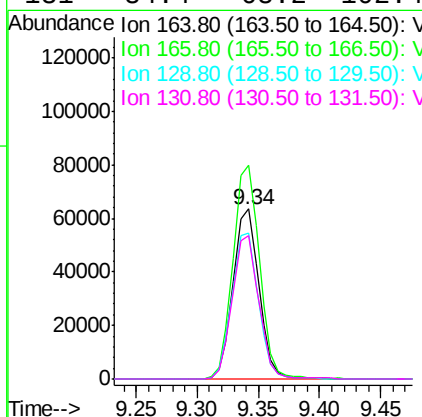
Manual Integrations  
APPROVED

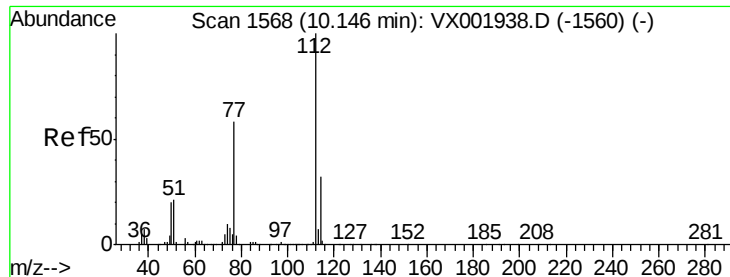
MMDadoda  
5/29/2018 4:39:24 PM



#64  
Tetrachloroethene  
Concen: 19.418 ug/l  
RT: 9.34 min Scan# 1436  
Delta R.T. 0.00 min  
Lab File: VX001993.D  
Acq: 25 May 2018 23:16

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 93084 |       |       |
| 166     | 125.9 |       | 102.7 | 154.1 |
| 129     | 86.4  |       | 70.3  | 105.5 |
| 131     | 84.4  |       | 68.2  | 102.4 |





#65

Chlorobenzene

Concen: 19.454 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA\_X

ClientSampleId :

VX0525WBSD02

Tot Ion:112 Resp: 206078

Ion Ratio Lower Upper

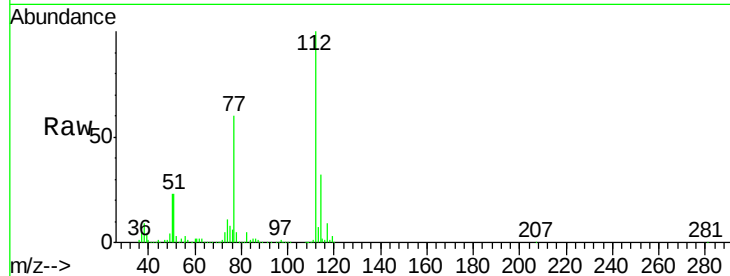
112 100

114 31.9 25.9 38.9

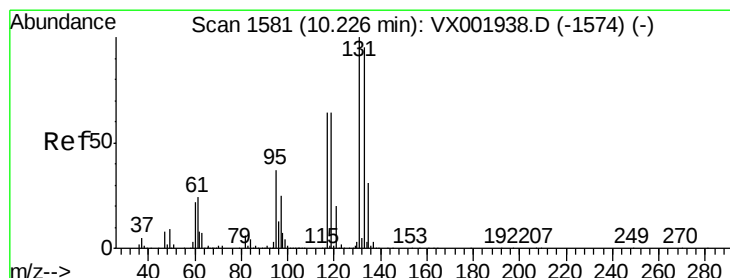
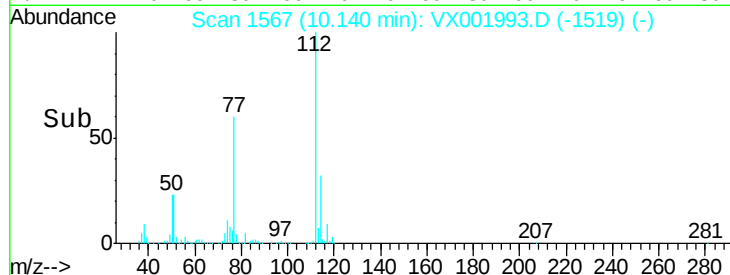
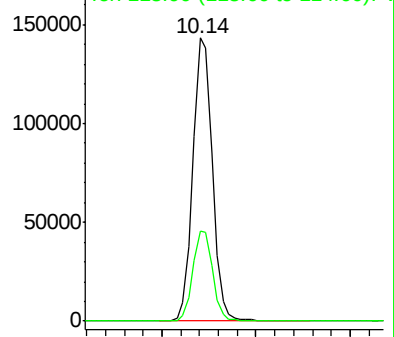
Manual Integrations  
APPROVED

MMDadoda

5/29/2018 4:39:24 PM



Abundance Ion 111.90 (111.60 to 112.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.217 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

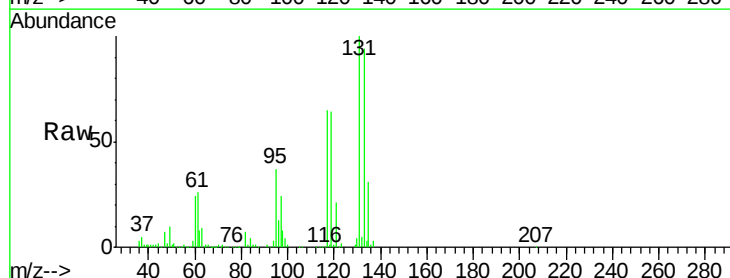
Tgt Ion:131 Resp: 82200

Ion Ratio Lower Upper

131 100

133 95.5 48.0 144.0

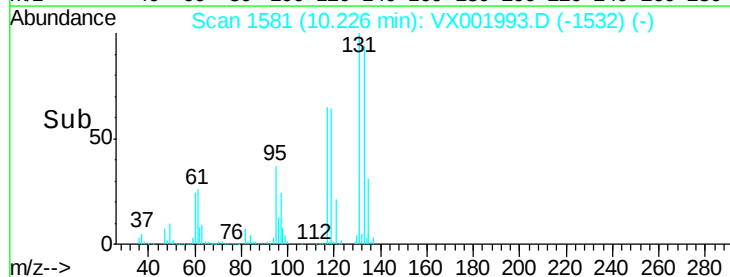
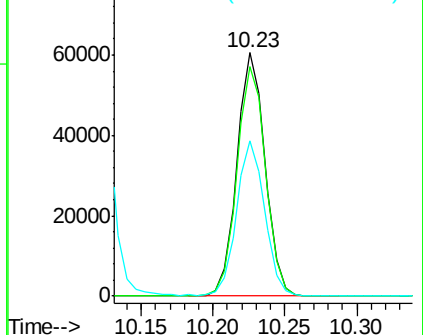
119 63.9 31.9 95.5

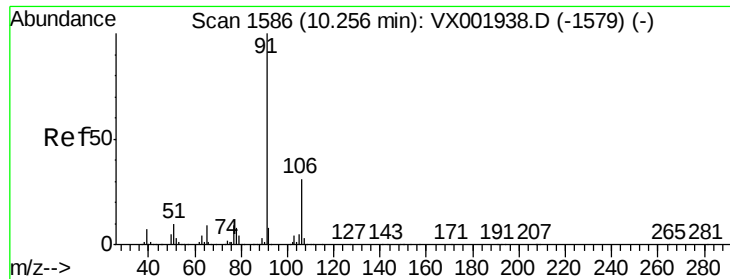


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.409 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA\_X

ClientSampleId :

VX0525WBSD02

Tot Ion: 91 Resp: 357221

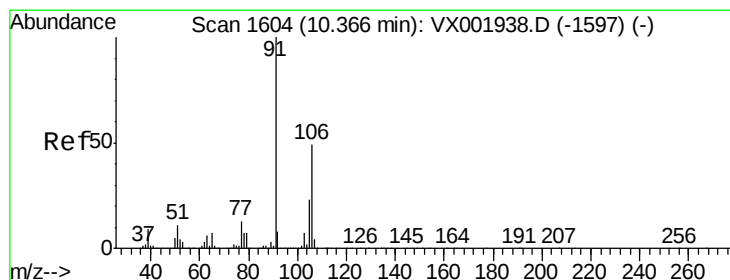
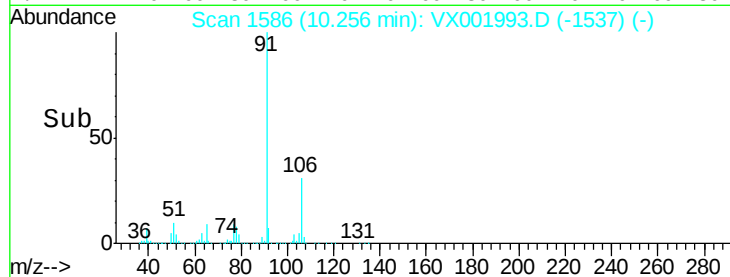
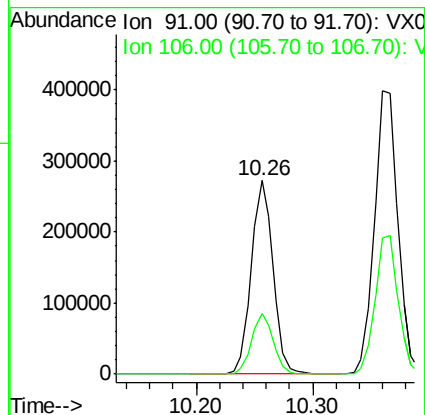
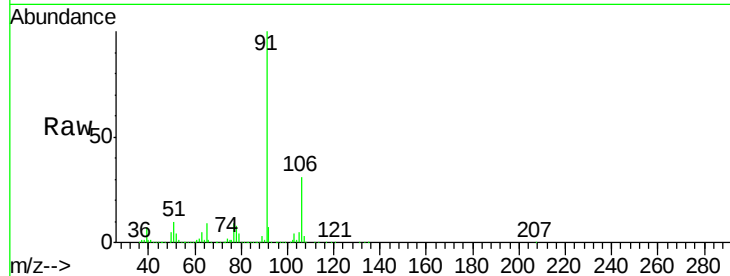
Ion Ratio Lower Upper

91 100

106 31.1 25.0 37.6

Manual Integrations  
APPROVED

MMDadoda  
5/29/2018 4:39:24 PM



#68

m/p-Xylenes

Concen: 38.509 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX001993.D

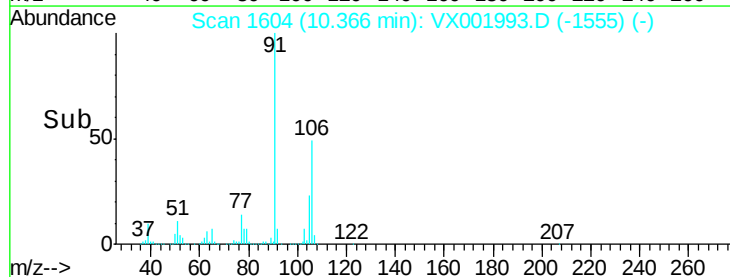
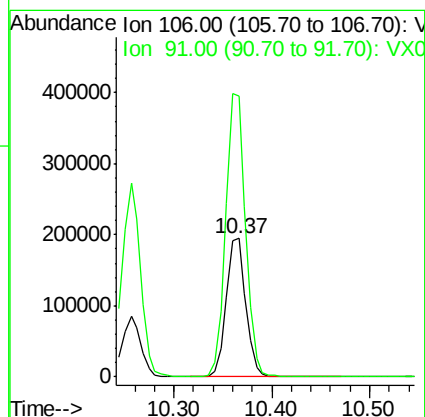
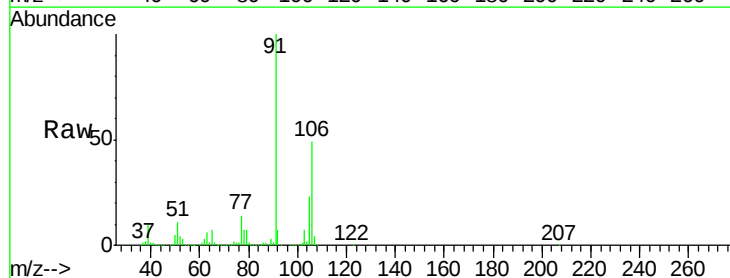
Acq: 25 May 2018 23:16

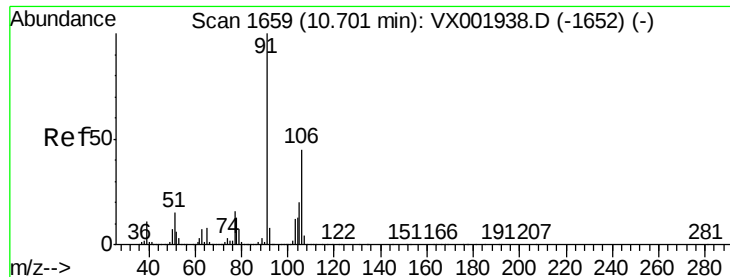
Tgt Ion: 106 Resp: 270929

Ion Ratio Lower Upper

106 100

91 206.6 165.0 247.6





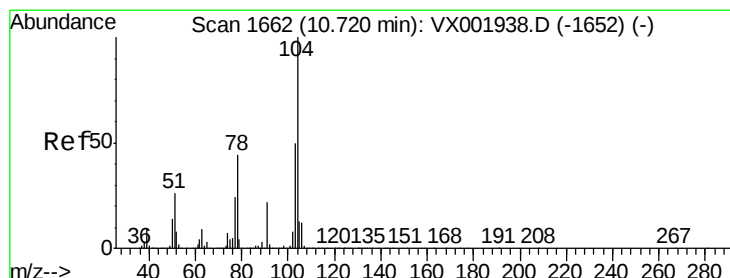
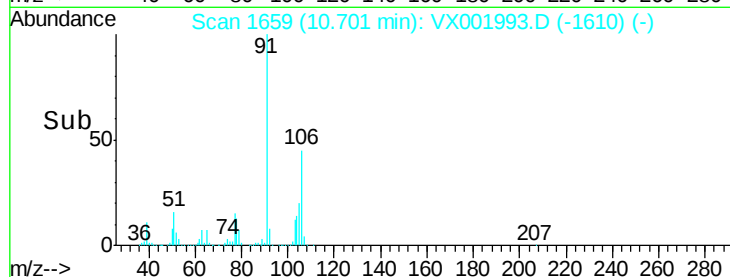
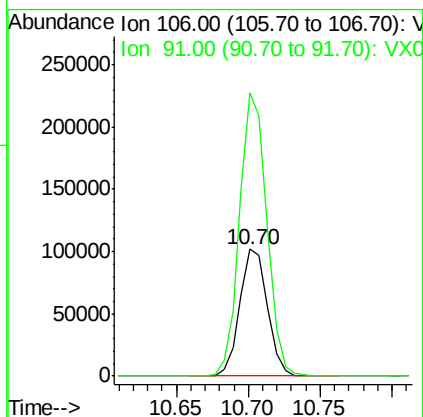
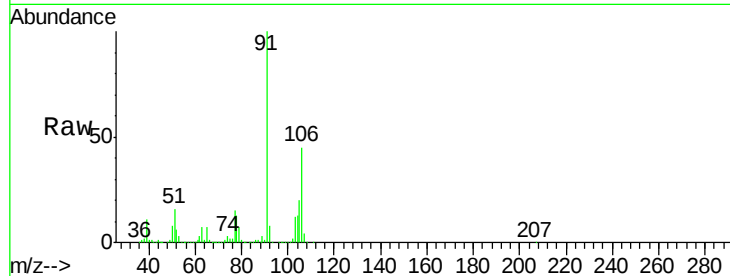
#69  
o-Xylene  
Concen: 19.367 ug/l  
RT: 10.70 min Scan# 1659  
Delta R.T. 0.00 min  
Lab File: VX001993.D  
Acq: 25 May 2018 23:16

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0525WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 219.8 | 108.7 | 325.9 |

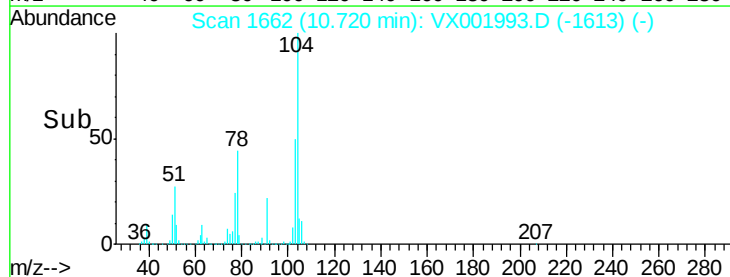
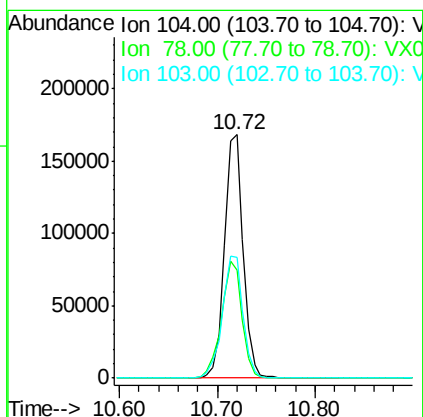
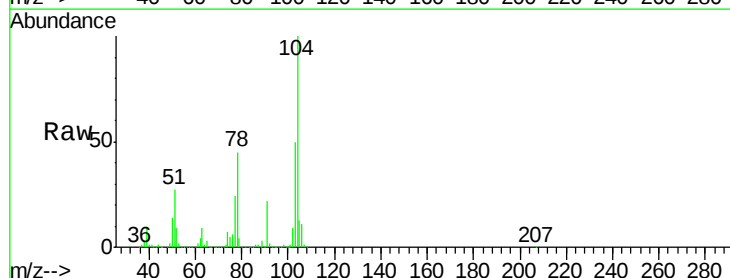
Manual Integrations  
APPROVED

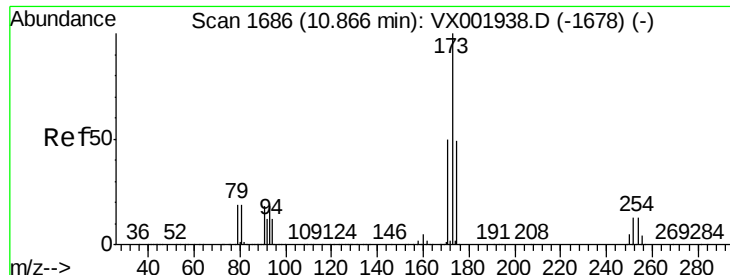
MMDadoda  
5/29/2018 4:39:24 PM



#70  
Styrene  
Concen: 19.162 ug/l  
RT: 10.72 min Scan# 1662  
Delta R.T. 0.00 min  
Lab File: VX001993.D  
Acq: 25 May 2018 23:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 52.7  | 41.8  | 62.6  |
| 103     | 55.6  | 44.6  | 67.0  |





#71

Bromoform

Concen: 18.408 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA\_X

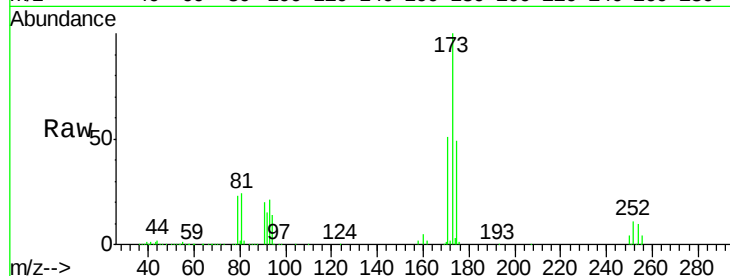
ClientSampleId :

VX0525WBSD02

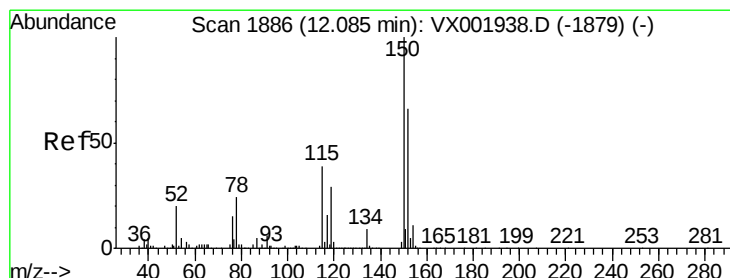
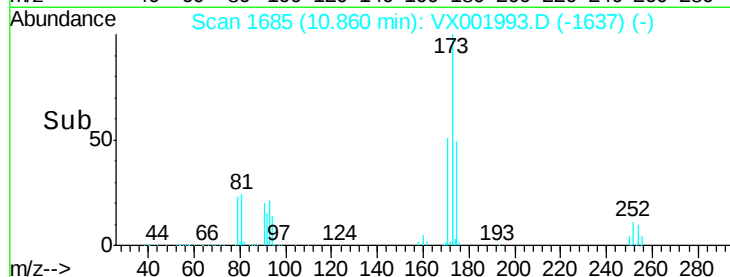
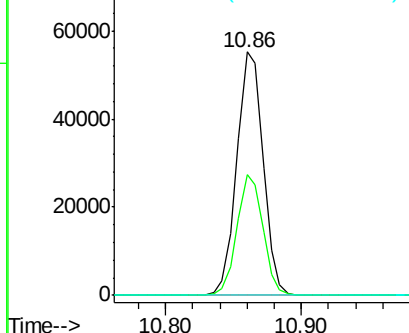
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 173   | Resp: | 74661 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 48.5  | 24.3  | 72.9  |
| 254       | 0.1   | 0.1   | 0.1   |

Manual Integrations  
APPROVED

MMDadoda  
5/29/2018 4:39:24 PM



Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.09 min Scan# 1886

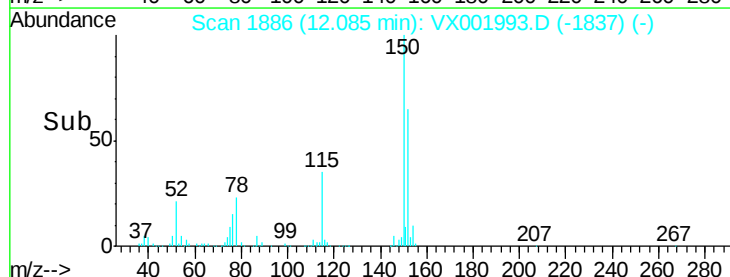
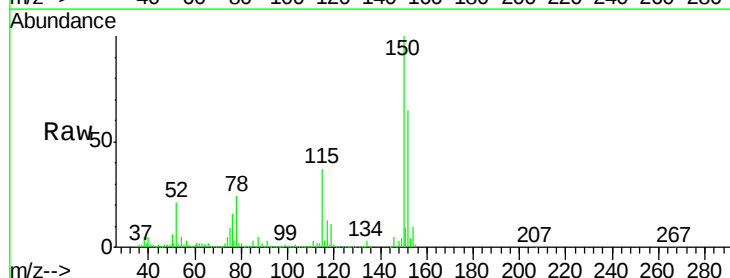
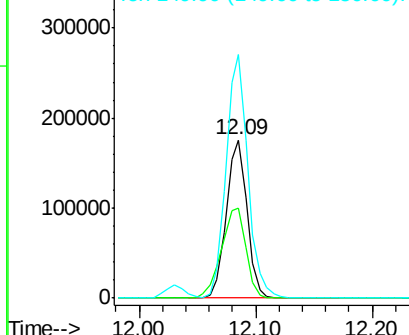
Delta R.T. 0.00 min

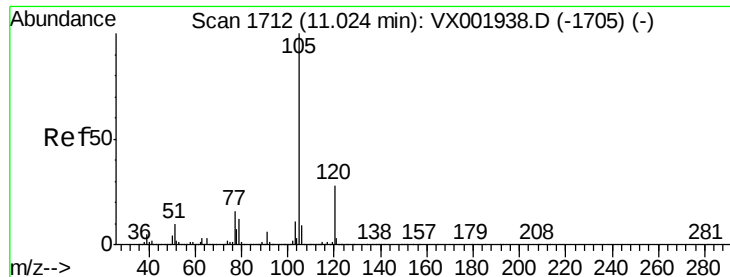
Lab File: VX001993.D

Acq: 25 May 2018 23:16

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 215017 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 67.4  | 42.3  | 126.8  |
| 150       | 162.7 | 0.0   | 351.0  |

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: 19.943 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA\_X

ClientSampleId :

VX0525WBSD02

Tot Ion:105 Resp: 363121

Ion Ratio Lower Upper

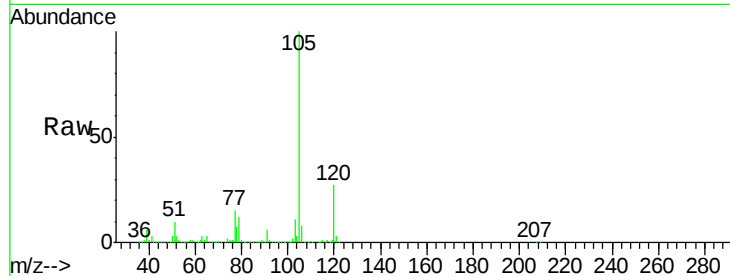
105 100

120 27.1 13.6 40.7

Manual Integrations  
APPROVED

MMDadoda

5/29/2018 4:39:24 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

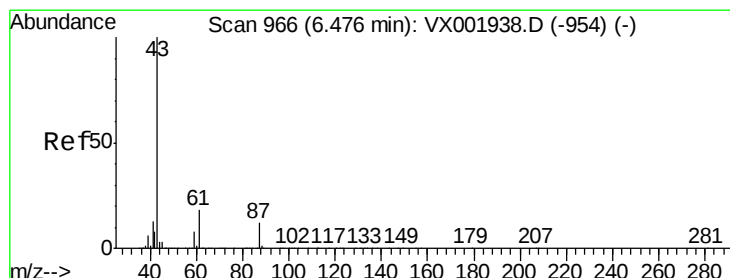
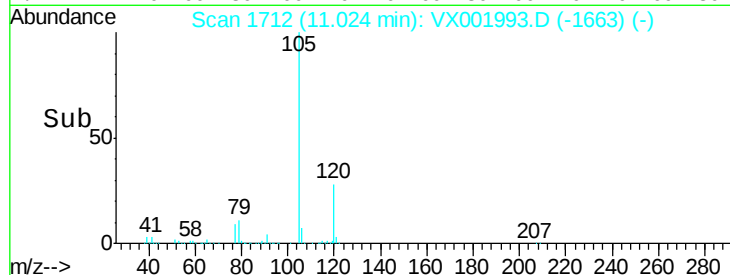
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 21.649 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Tgt Ion: 43 Resp: 221380

Ion Ratio Lower Upper

43 100

70 0.0 0.1 0.1#

55 0.1 0.1 0.1#

61 18.0 14.5 21.7

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

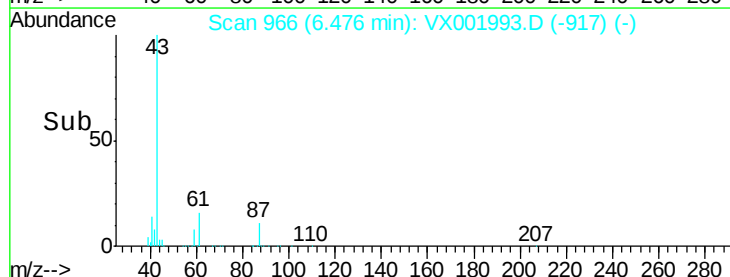
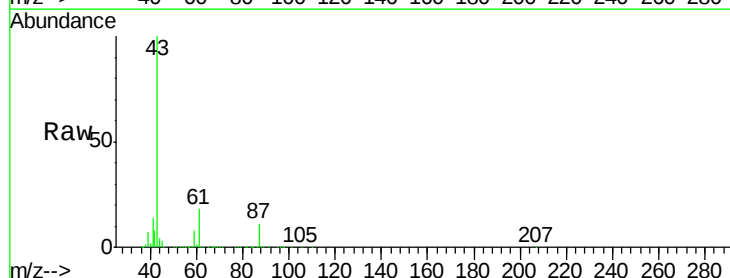
Ion 61.00 (60.70 to 61.70): VX0

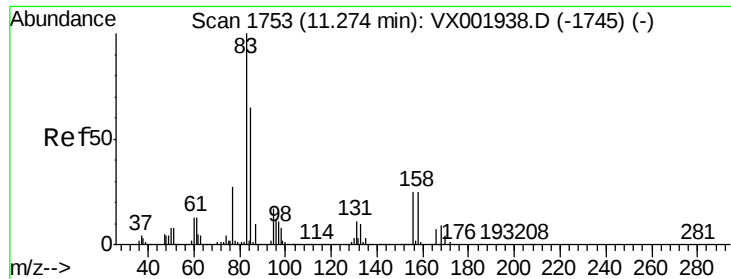
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.993 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA\_X

ClientSampleId :

VX0525WBSD02

Tot Ion: 83 Resp: 113053

Ion Ratio Lower Upper

83 100

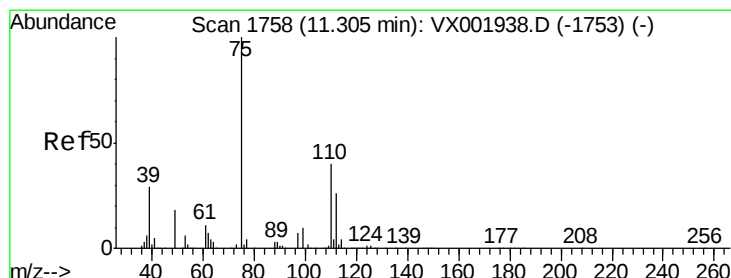
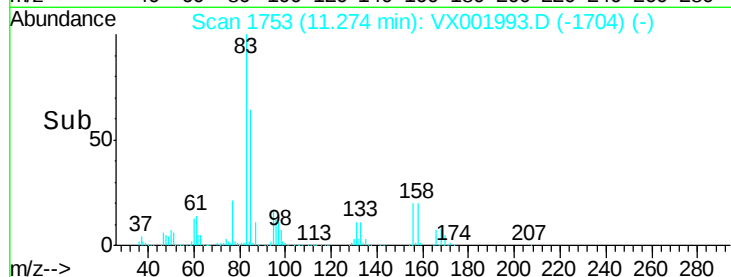
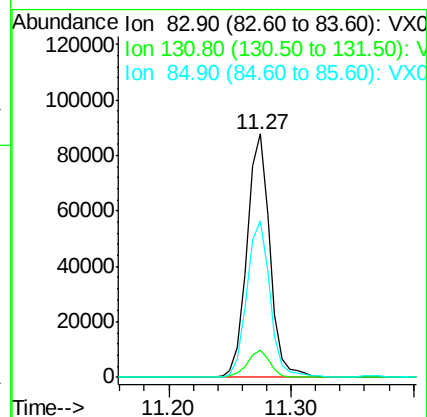
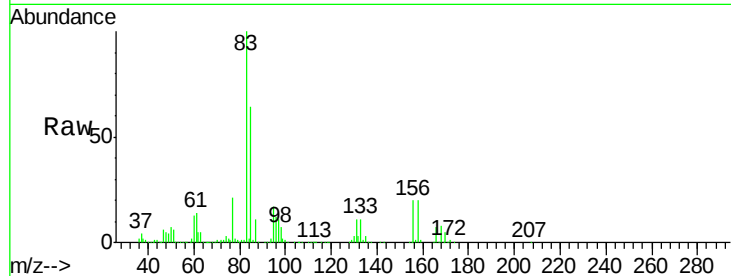
131 11.2 5.7 17.0

85 65.2 32.6 97.7

Manual Integrations  
APPROVED

MMDadoda

5/29/2018 4:39:24 PM



#76

1,2,3-Trichloropropane

Concen: 20.207 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VX001993.D

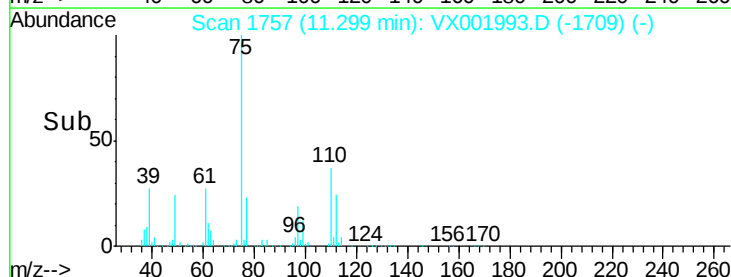
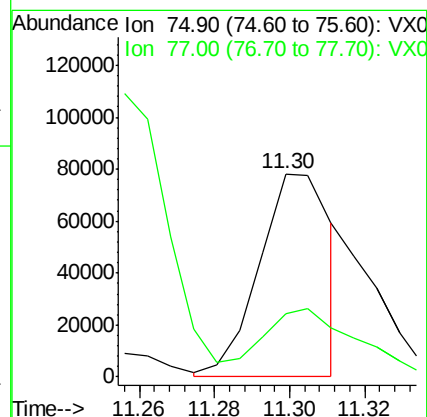
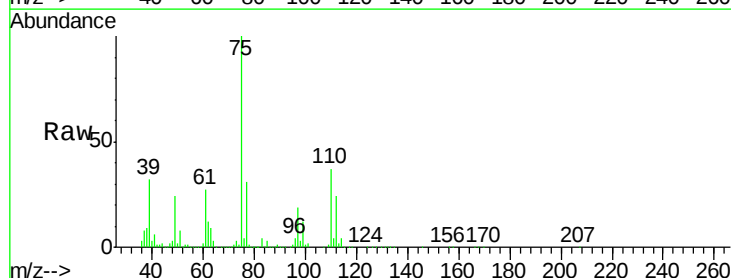
Acq: 25 May 2018 23:16

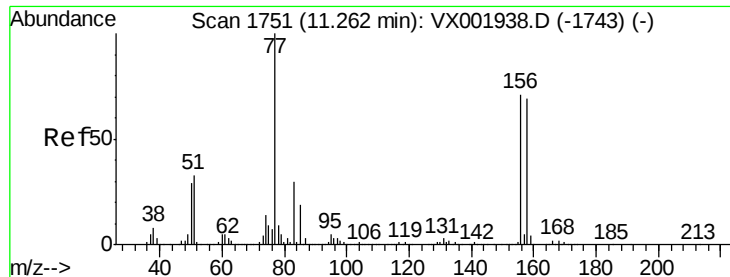
Tgt Ion: 75 Resp: 104363

Ion Ratio Lower Upper

75 100

77 44.3 22.8 68.3





#77

Bromobenzene

Concen: 19.923 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA\_X

ClientSampleId :

VX0525WBSD02

Tot Ion:156 Resp: 96244

Ion Ratio Lower Upper

156 100

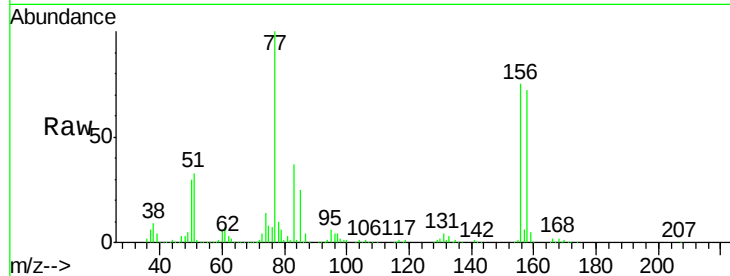
77 146.9 75.2 225.6

158 97.4 48.6 145.8

Manual Integrations  
APPROVED

MMDadoda

5/29/2018 4:39:24 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V

150000

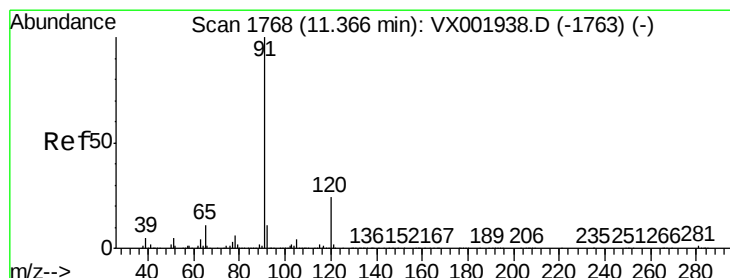
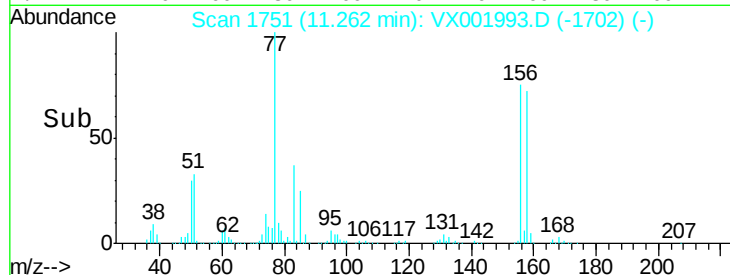
100000

50000

0

11.26

Time-->



#78

n-propylbenzene

Concen: 19.696 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX001993.D

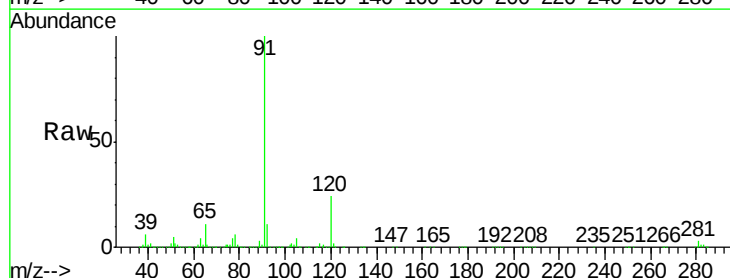
Acq: 25 May 2018 23:16

Tgt Ion: 91 Resp: 401647

Ion Ratio Lower Upper

91 100

120 23.7 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

300000

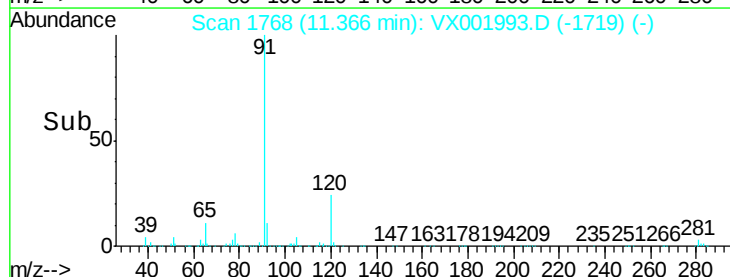
200000

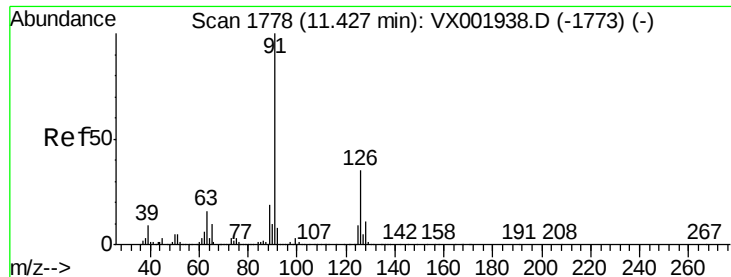
100000

0

11.37

Time-->





#79

2-Chlorotoluene

Concen: 20.350 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA\_X

ClientSampleId :

VX0525WBSD02

Tot Ion: 91 Resp: 242947

Ion Ratio Lower Upper

91 100

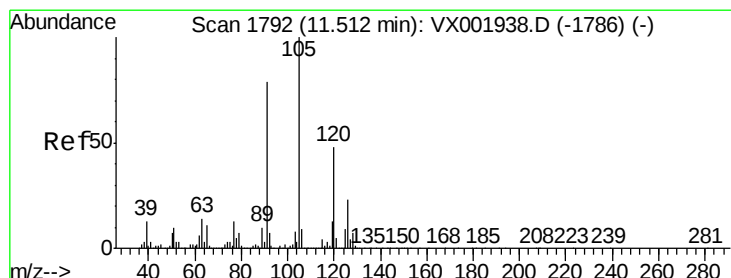
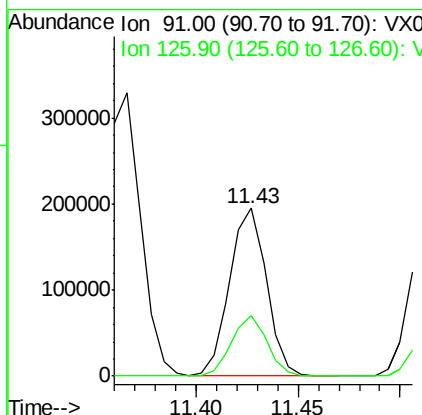
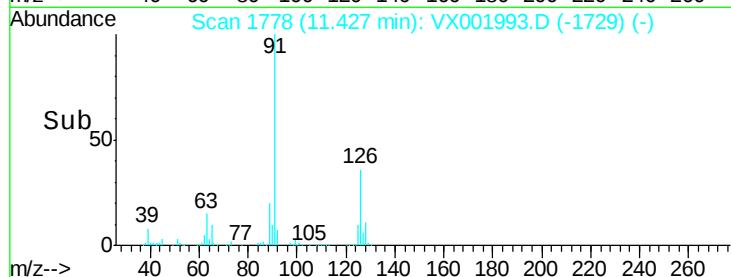
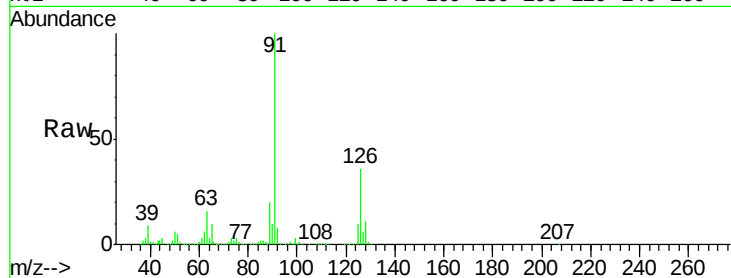
126 35.4 17.4 52.2

Manual Integrations

APPROVED

MMDadoda

5/29/2018 4:39:24 PM



#80

1,3,5-Trimethylbenzene

Concen: 19.610 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001993.D

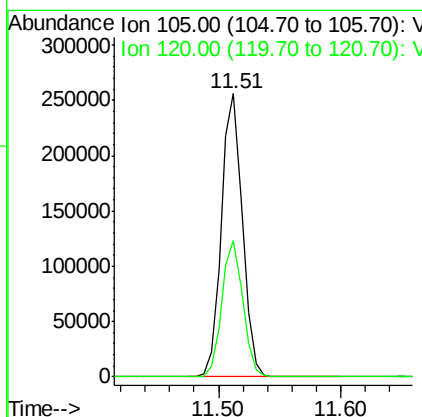
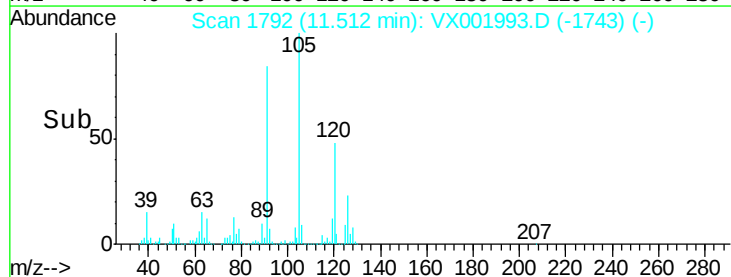
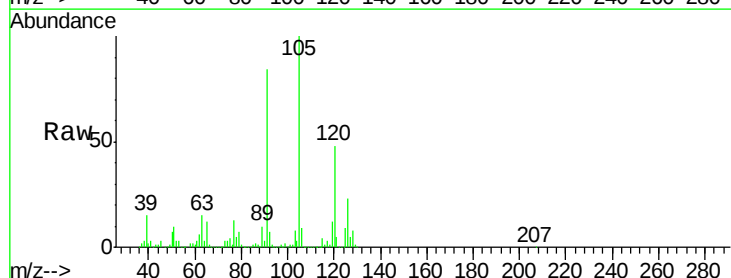
Acq: 25 May 2018 23:16

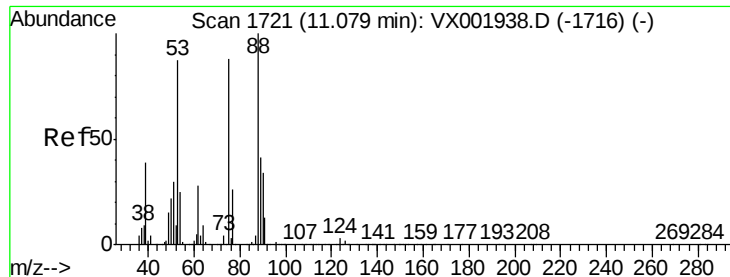
Tgt Ion: 105 Resp: 305139

Ion Ratio Lower Upper

105 100

120 48.2 24.1 72.4





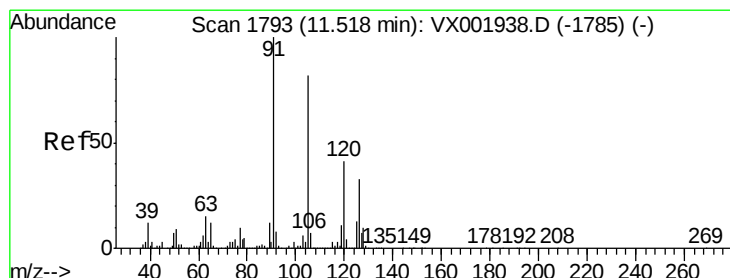
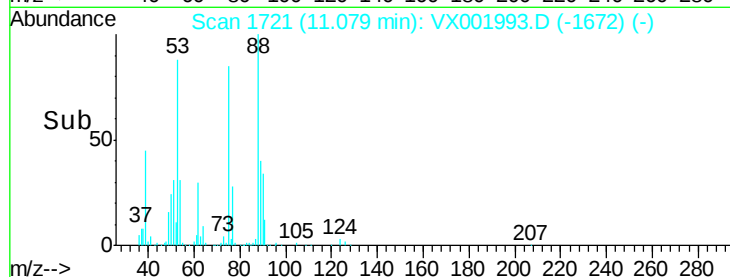
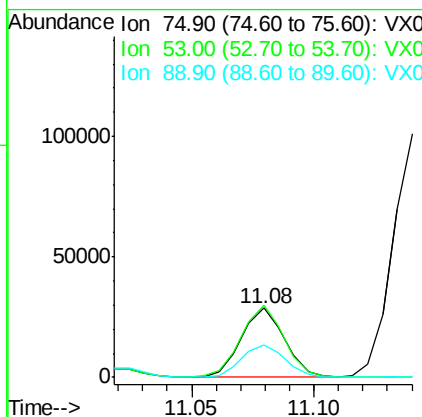
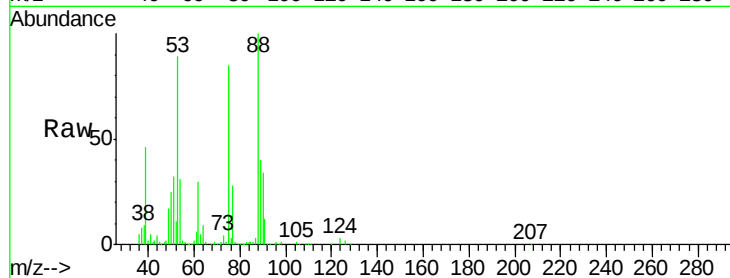
#81  
trans-1,4-Dichloro-2-butene  
Concen: 16.393 ug/l  
RT: 11.08 min Scan# 1721  
Delta R.T. 0.00 min  
Lab File: VX001993.D  
Acq: 25 May 2018 23:16

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0525WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 102.4 | 78.0  | 117.0 |
| 89      | 47.5  | 39.4  | 59.2  |

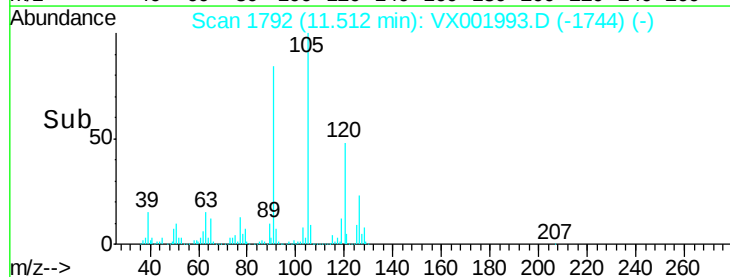
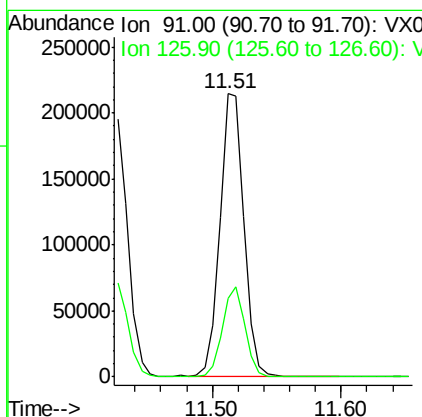
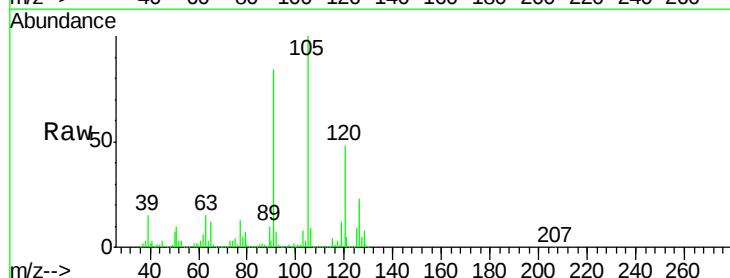
Manual Integrations  
APPROVED

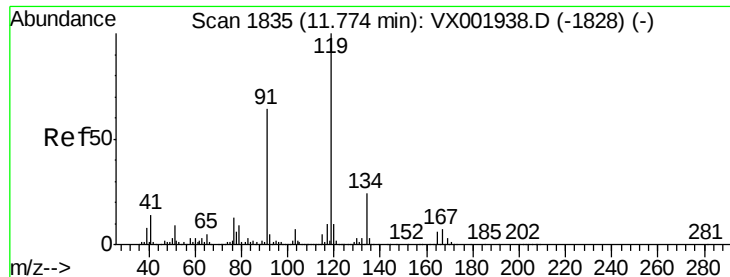
MMDadoda  
5/29/2018 4:39:24 PM



#82  
4-Chlorotoluene  
Concen: 19.564 ug/l  
RT: 11.51 min Scan# 1792  
Delta R.T. -0.01 min  
Lab File: VX001993.D  
Acq: 25 May 2018 23:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 30.2  | 15.3  | 45.8  |





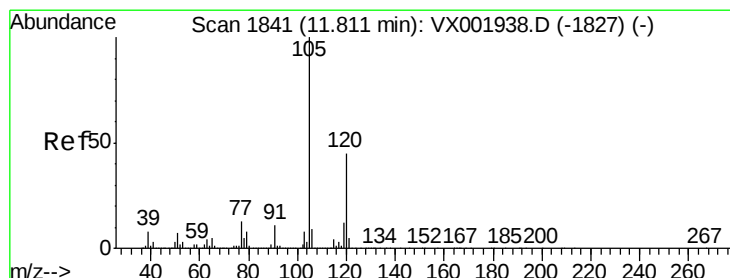
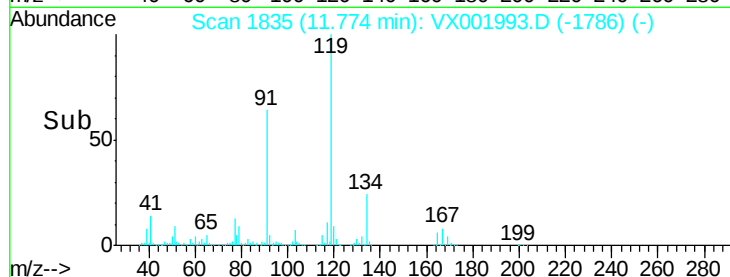
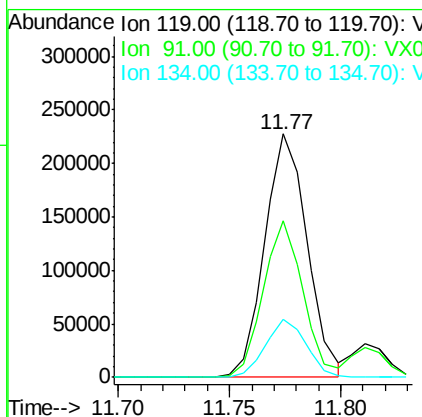
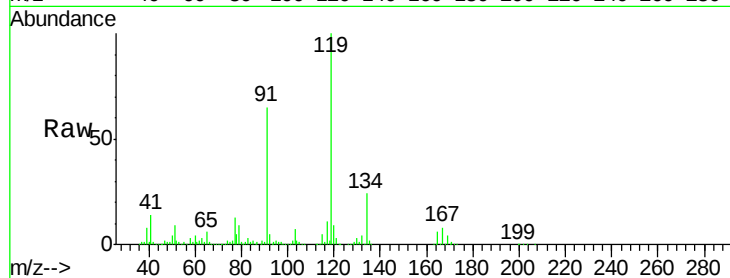
#83  
tert-Butylbenzene  
Concen: 19.673 ug/l  
RT: 11.77 min Scan# 1835  
Delta R.T. 0.00 min  
Lab File: VX001993.D  
Acq: 25 May 2018 23:16

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0525WBSD02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 300386 |       |       |
| 91      | 60.9  |        | 30.6  | 91.8  |
| 134     | 23.0  |        | 11.7  | 35.0  |

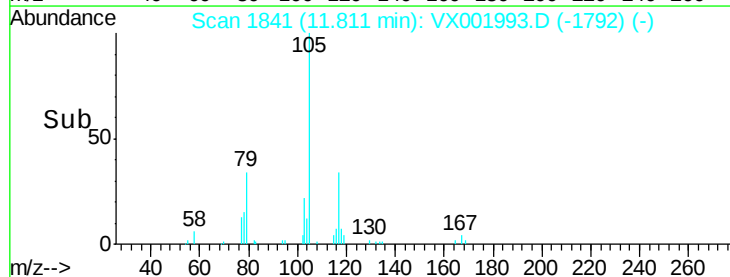
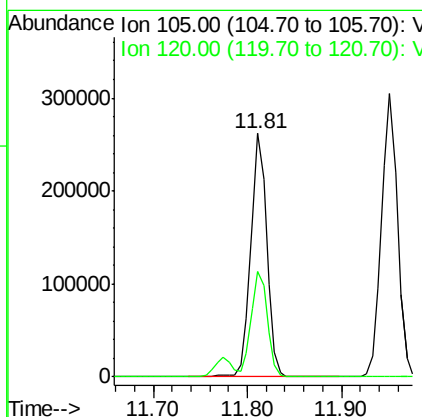
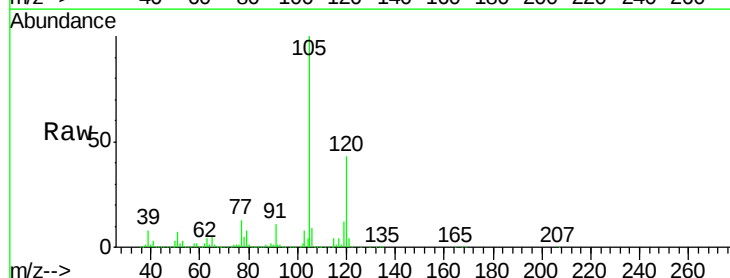
Manual Integrations  
APPROVED

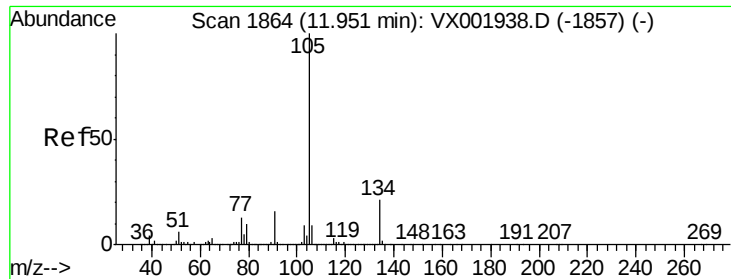
MMDadoda  
5/29/2018 4:39:24 PM



#84  
1,2,4-Trimethylbenzene  
Concen: 19.565 ug/l  
RT: 11.81 min Scan# 1841  
Delta R.T. 0.00 min  
Lab File: VX001993.D  
Acq: 25 May 2018 23:16

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 314600 |       |       |
| 120     | 43.4  |        | 22.1  | 66.5  |





#85

sec-Butylbenzene

Concen: 19.638 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA\_X

ClientSampleId :

VX0525WBSD02

Tot Ion:105 Resp: 360464

Ion Ratio Lower Upper

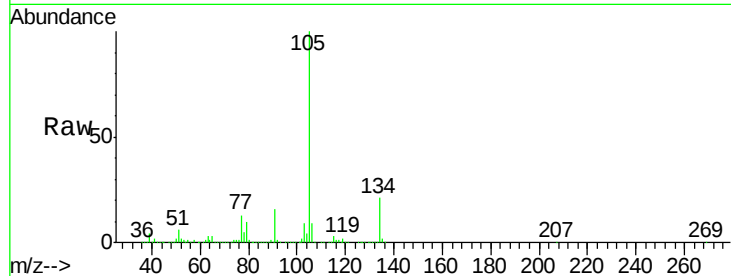
105 100

134 20.8 10.4 31.4

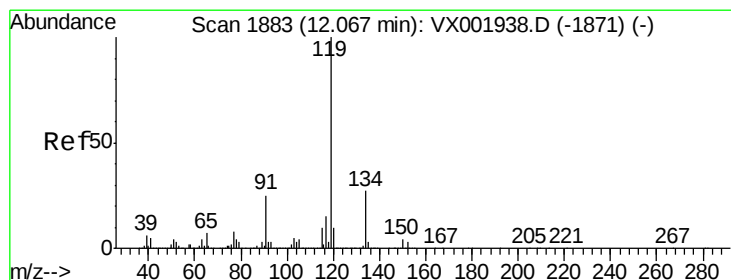
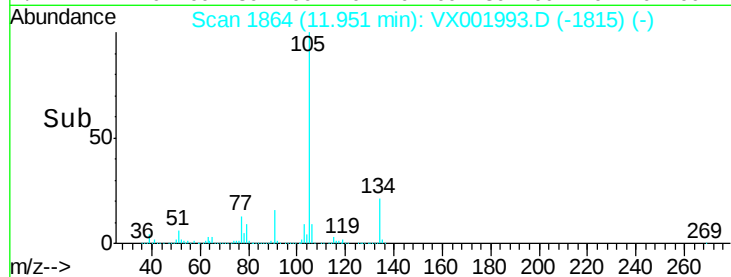
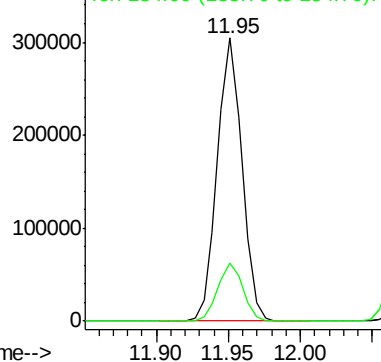
Manual Integrations  
APPROVED

MMDadoda

5/29/2018 4:39:24 PM



Abundance Ion 105.00 (104.70 to 105.70): V  
Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.442 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

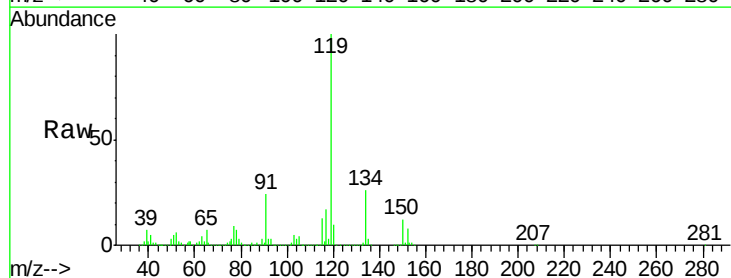
Tgt Ion:119 Resp: 319330

Ion Ratio Lower Upper

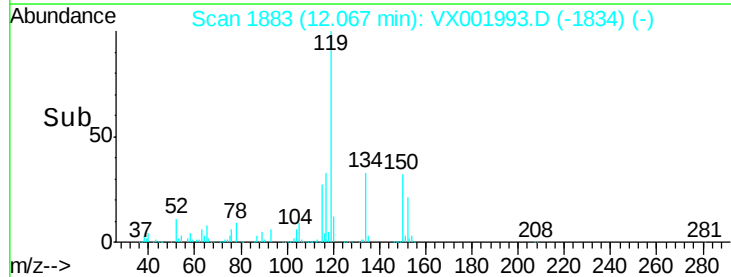
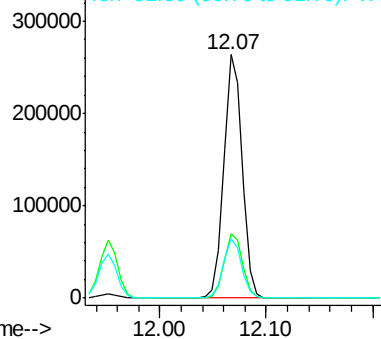
119 100

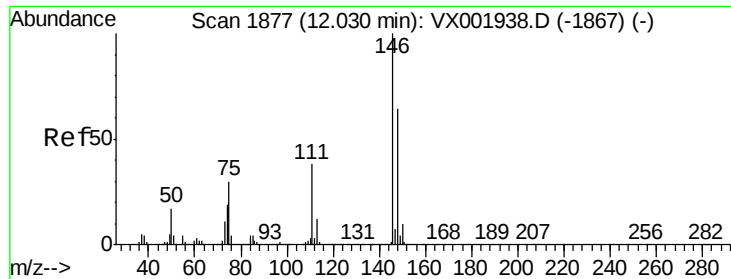
134 26.5 13.6 40.8

91 24.4 12.2 36.4



Abundance Ion 119.00 (118.70 to 119.70): V  
Ion 134.00 (133.70 to 134.70): V  
Ion 91.00 (90.70 to 91.70): V





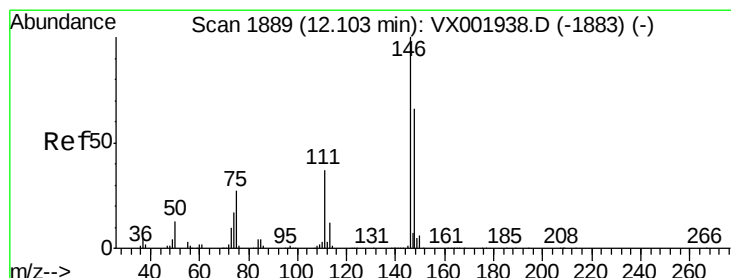
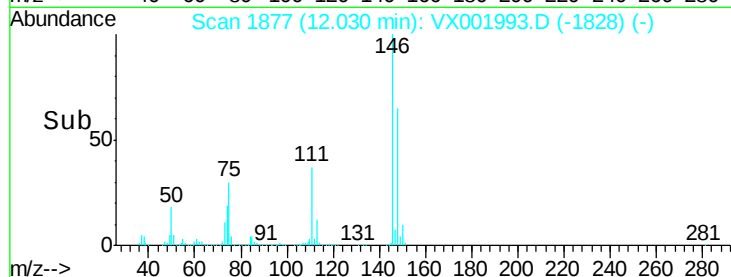
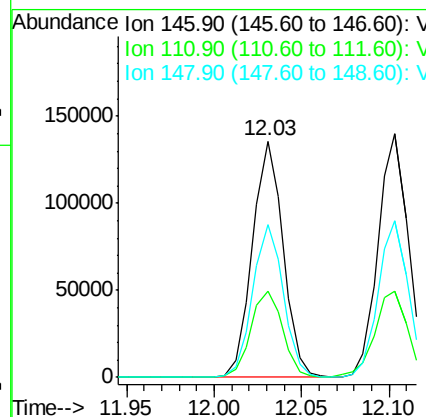
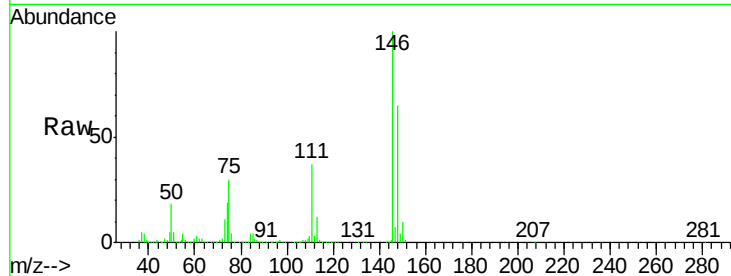
#87  
 1,3-Dichlorobenzene  
 Concen: 19.195 ug/l  
 RT: 12.03 min Scan# 1877  
 Delta R.T. 0.00 min  
 Lab File: VX001993.D  
 Acq: 25 May 2018 23:16

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0525WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.9  | 19.3  | 57.8  |
| 148     | 64.5  | 32.1  | 96.3  |

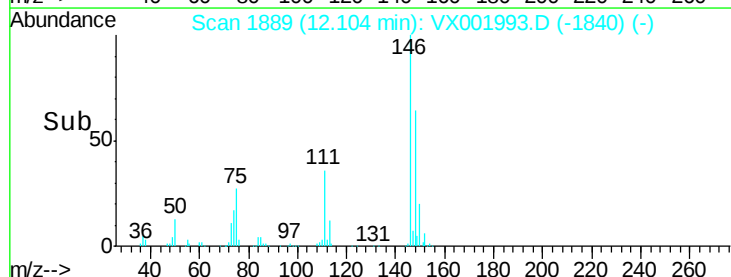
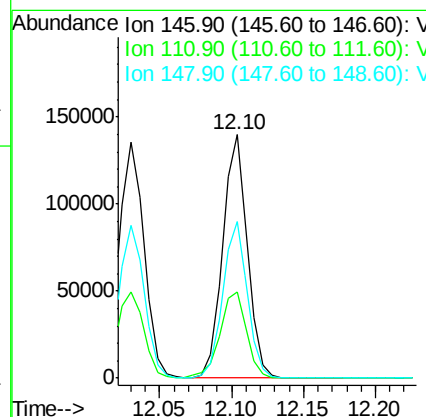
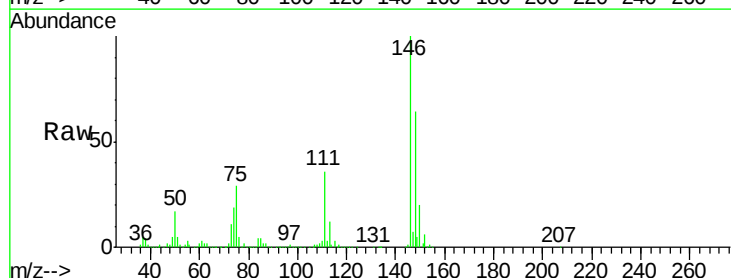
Manual Integrations  
 APPROVED

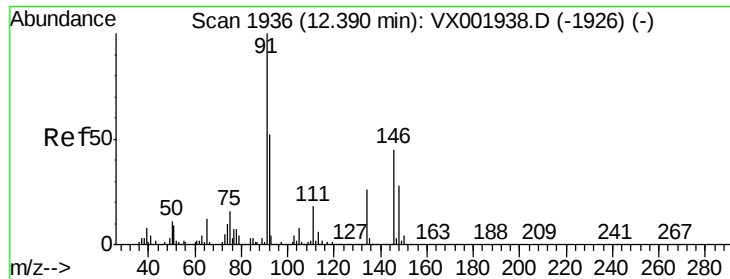
MMDadoda  
 5/29/2018 4:39:24 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 19.436 ug/l  
 RT: 12.10 min Scan# 1889  
 Delta R.T. 0.00 min  
 Lab File: VX001993.D  
 Acq: 25 May 2018 23:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.3  | 18.9  | 56.5  |
| 148     | 64.2  | 32.3  | 96.8  |





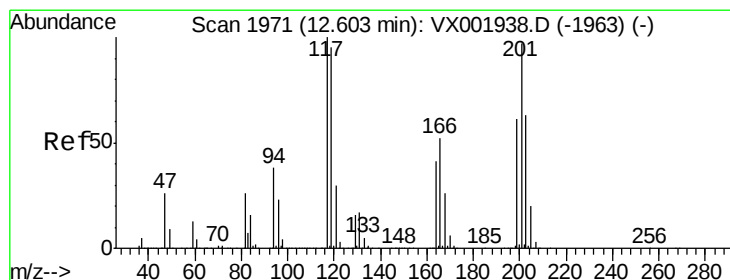
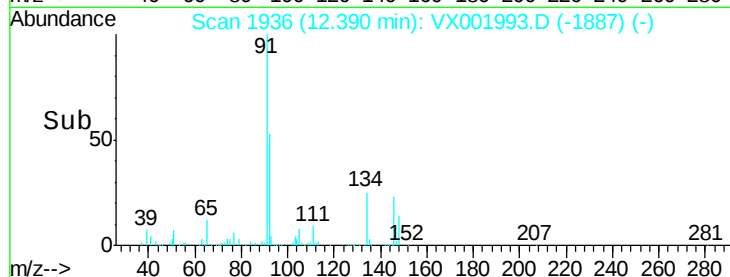
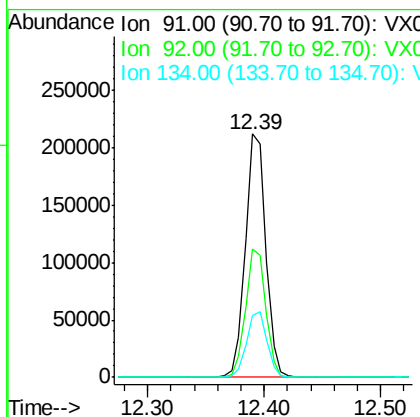
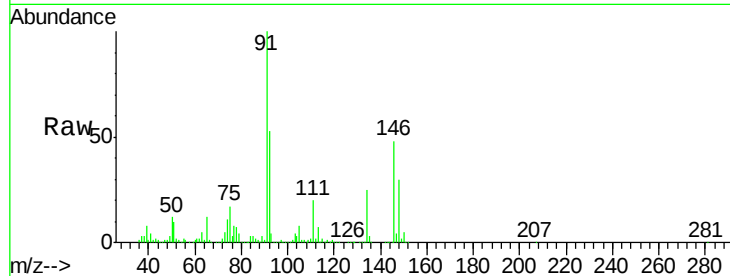
#89  
n-Butylbenzene  
Concen: 18.687 ug/l  
RT: 12.39 min Scan# 1936  
Delta R.T. 0.00 min  
Lab File: VX001993.D  
Acq: 25 May 2018 23:16

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0525WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.5  | 26.3  | 78.9  |
| 134     | 27.0  | 13.6  | 40.7  |

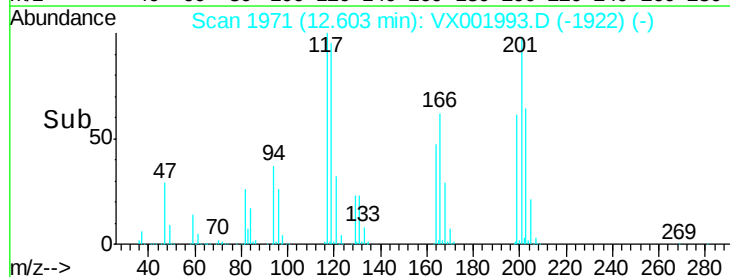
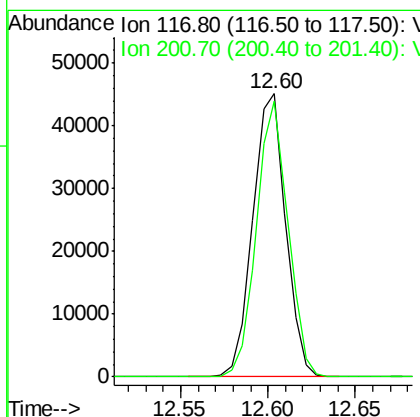
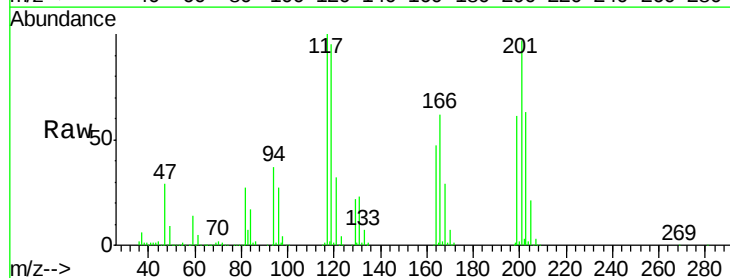
Manual Integrations  
APPROVED

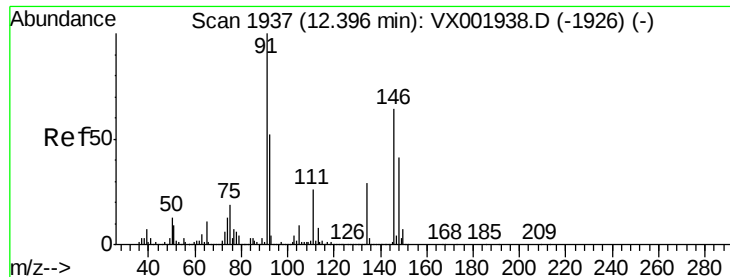
MMDadoda  
5/29/2018 4:39:24 PM



#90  
Hexachloroethane  
Concen: 18.157 ug/l  
RT: 12.60 min Scan# 1971  
Delta R.T. 0.00 min  
Lab File: VX001993.D  
Acq: 25 May 2018 23:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 93.7  | 48.0  | 144.0 |





#91

1,2-Dichlorobenzene

Concen: 19.919 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA\_X

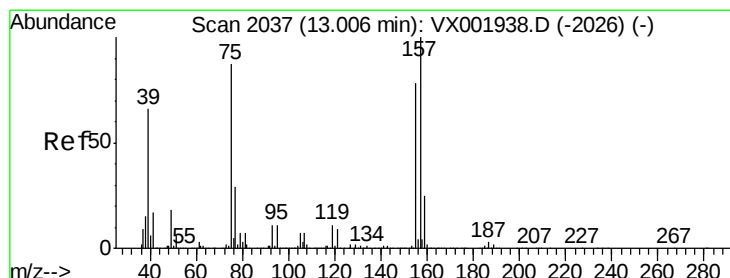
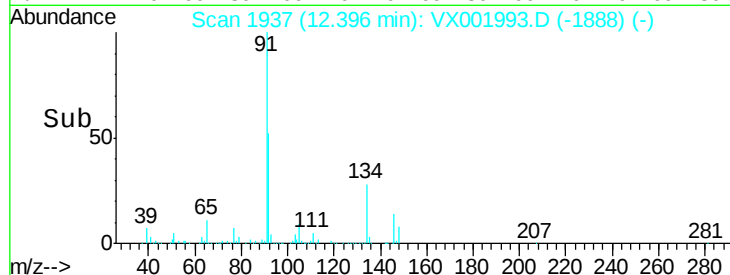
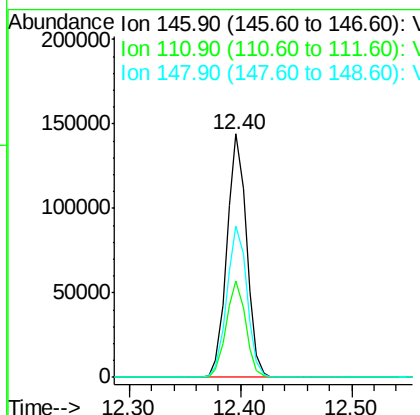
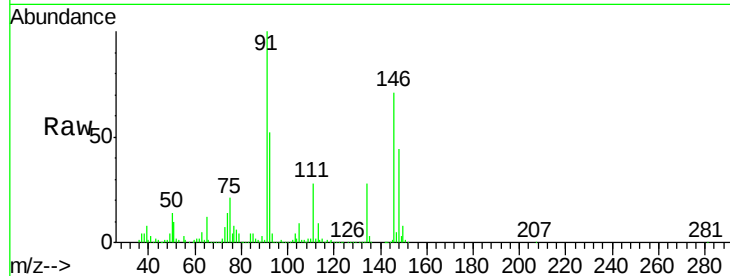
ClientSampleId :

VX0525WBSD02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 175578 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 39.5  | 19.8  | 59.3   |
| 148       | 63.5  | 32.1  | 96.5   |

Manual Integrations  
APPROVED

MMDadoda  
5/29/2018 4:39:24 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.546 ug/l

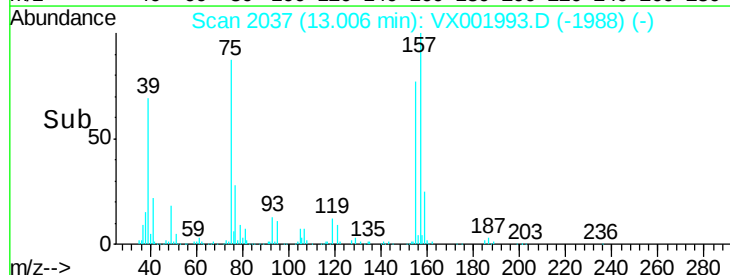
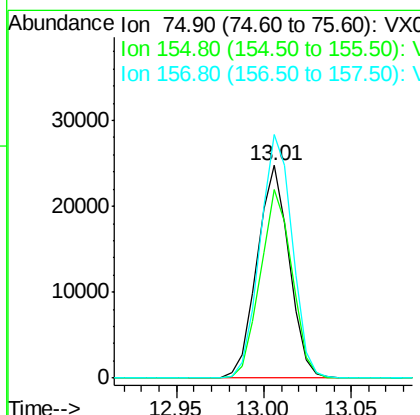
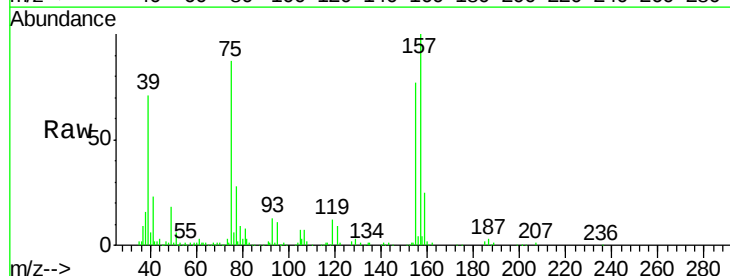
RT: 13.01 min Scan# 2037

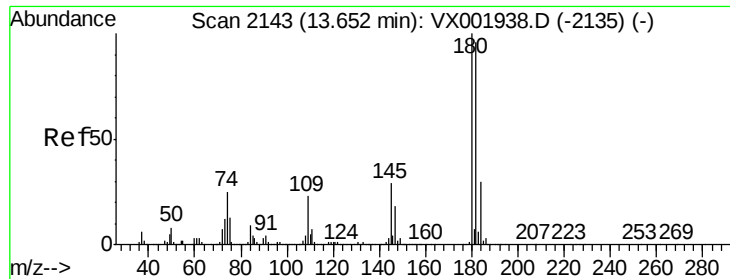
Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 31642 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 87.5  | 45.1  | 135.2 |
| 157       | 114.8 | 58.1  | 174.2 |





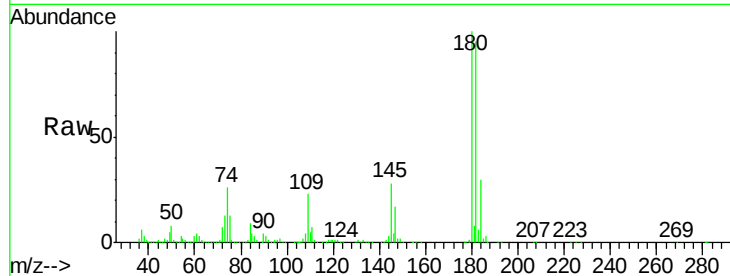
#93  
 1,2,4-Trichlorobenzene  
 Concen: 19.276 ug/l  
 RT: 13.65 min Scan# 2143  
 Delta R.T. 0.00 min  
 Lab File: VX001993.D  
 Acq: 25 May 2018 23:16

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0525WBSD02

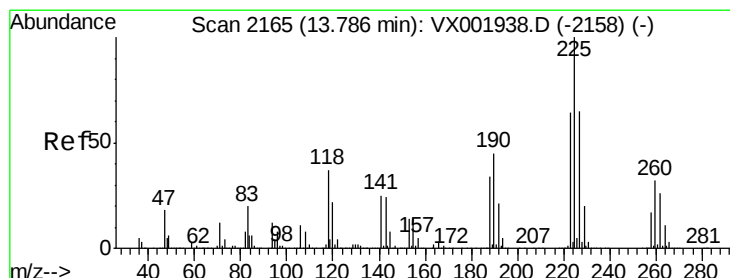
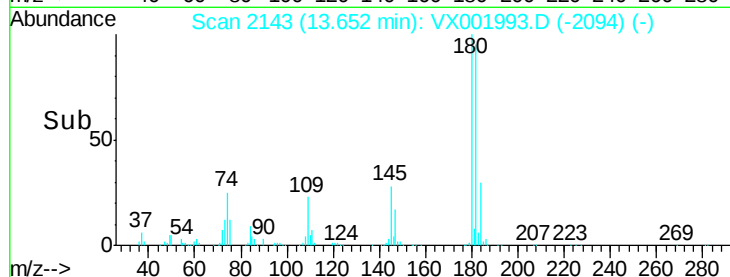
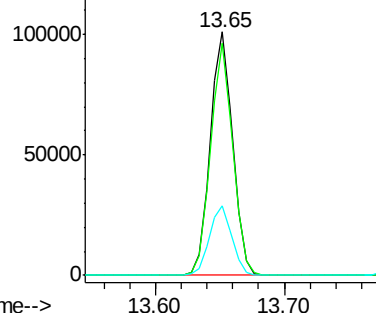
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 121503 |       |       |
| 182     | 94.5  | 47.7   | 143.1 |       |
| 145     | 28.7  | 14.4   | 43.0  |       |

Manual Integrations  
 APPROVED

MMDadoda  
 5/29/2018 4:39:24 PM

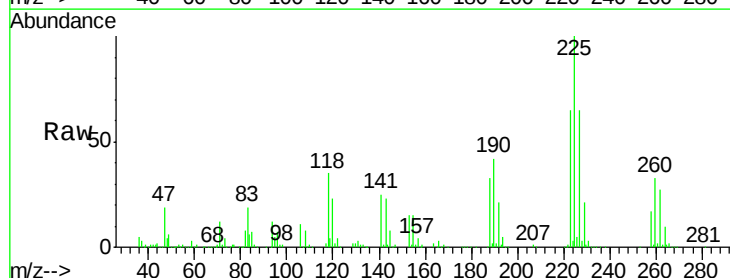


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

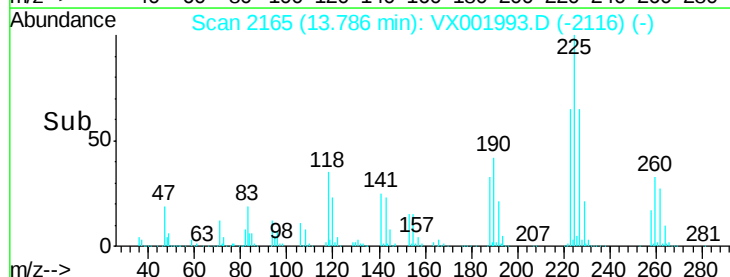
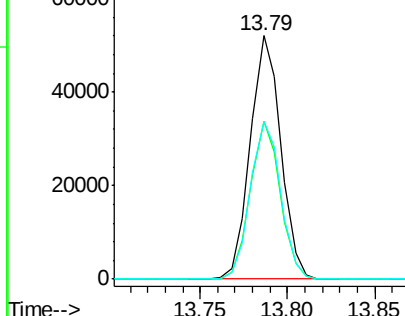


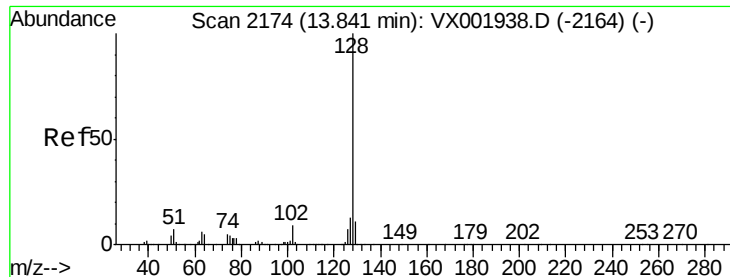
#94  
 Hexachlorobutadiene  
 Concen: 18.619 ug/l  
 RT: 13.79 min Scan# 2165  
 Delta R.T. 0.00 min  
 Lab File: VX001993.D  
 Acq: 25 May 2018 23:16

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 63130 |       |       |
| 223     | 63.2  | 31.1  | 93.5  |       |
| 227     | 64.2  | 32.1  | 96.5  |       |



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





#95

Naphthalene

Concen: 20.249 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

Instrument :

MSVOA\_X

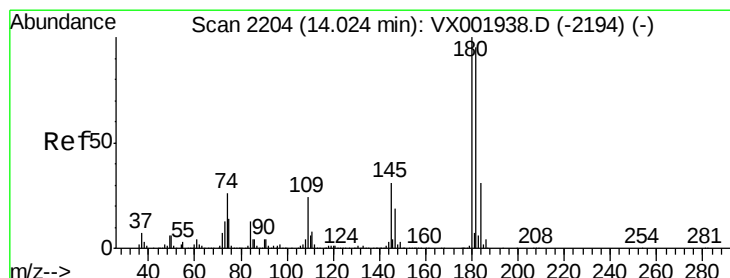
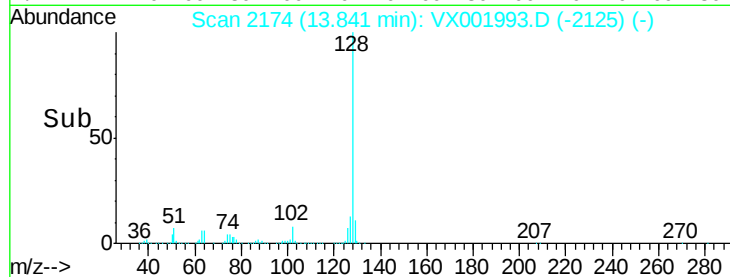
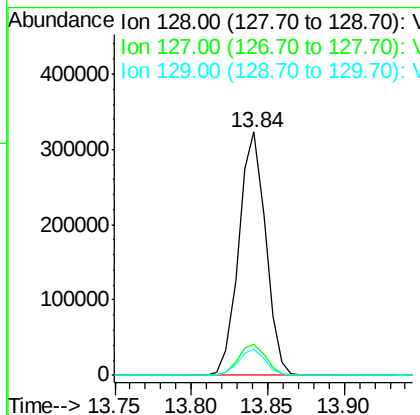
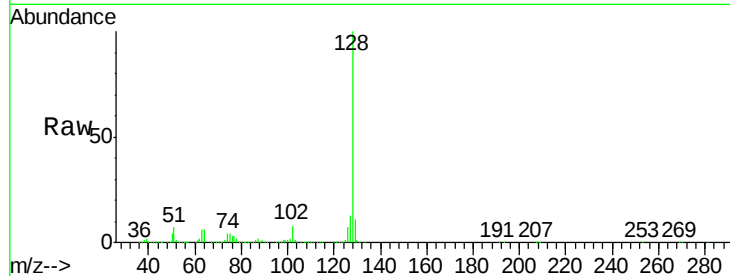
ClientSampleId :

VX0525WBSD02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 393224 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.1  | 10.4  | 15.6   |
| 129       | 10.8  | 8.8   | 13.2   |

Manual Integrations  
APPROVED

MMDadoda  
5/29/2018 4:39:24 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.599 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX001993.D

Acq: 25 May 2018 23:16

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 127824 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 96.5  | 47.9  | 143.6  |
| 145       | 30.0  | 15.1  | 45.3   |

