

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110518\  
 Data File : VF060593.D  
 Acq On : 6 Nov 2018 3:51  
 Operator : VA/AP  
 Sample : VF1105SBSD02  
 Misc : 5.00/5mL/MSVOA-F/SOIL  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF1105SBSD02

Manual Integrations  
 APPROVED

MMDadoda  
 11/6/2018 12:53:54 PM

Quant Time: Nov 06 07:56:41 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F110218S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 03 05:29:31 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.88  | 168  | 256926   | 50.00 | ug/l  | 0.01     |
| 34) 1,4-Difluorobenzene    | 5.61  | 114  | 448657   | 50.00 | ug/l  | 0.01     |
| 63) Chlorobenzene-d5       | 9.78  | 117  | 393287   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.55 | 152  | 215133   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 4.85   | 65  | 137287   | 52.89 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 105.78% |      |
| 35) Dibromofluoromethane  | 4.12   | 113 | 174247   | 50.27 | ug/l    | 0.01 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.54% |      |
| 50) Toluene-d8            | 7.56   | 98  | 525633   | 51.19 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.38% |      |
| 62) 4-Bromofluorobenzene  | 11.42  | 95  | 221203   | 49.25 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.50%  |      |

## Target Compounds

|                               |      |     |        |         |        | Qvalue |
|-------------------------------|------|-----|--------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 0.96 | 85  | 89728  | 31.980  | ug/l   | 99     |
| 3) Chloromethane              | 1.10 | 50  | 54142  | 24.078  | ug/l   | 98     |
| 4) Vinyl Chloride             | 1.15 | 62  | 50949  | 24.589  | ug/l # | 88     |
| 5) Bromomethane               | 1.34 | 94  | 25693  | 22.091  | ug/l   | 97     |
| 6) Chloroethane               | 1.39 | 64  | 18775  | 22.754  | ug/l   | 91     |
| 7) Trichlorofluoromethane     | 1.49 | 101 | 90655m | 23.376  | ug/l   |        |
| 8) Diethyl Ether              | 1.63 | 74  | 14947  | 20.795  | ug/l   | 97     |
| 9) 1,1,2-Trichlorotrifluoroet | 1.82 | 101 | 50875  | 22.957  | ug/l   | 95     |
| 10) Methyl Iodide             | 1.90 | 142 | 80205m | 21.993  | ug/l   |        |
| 11) Tert butyl alcohol        | 2.58 | 59  | 12722  | 89.221  | ug/l   | 92     |
| 12) 1,1-Dichloroethene        | 1.79 | 96  | 40003  | 21.432  | ug/l   | 95     |
| 13) Acrolein                  | 2.00 | 56  | 10927  | 109.380 | ug/l   | 95     |
| 14) Allyl chloride            | 2.10 | 41  | 69601  | 22.837  | ug/l   | 99     |
| 15) Acrylonitrile             | 2.94 | 53  | 28760  | 92.961  | ug/l   | 91     |
| 16) Acetone                   | 2.23 | 43  | 50093  | 81.892  | ug/l   | 97     |
| 17) Carbon Disulfide          | 1.83 | 76  | 114380 | 21.755  | ug/l   | 99     |
| 18) Methyl Acetate            | 2.35 | 43  | 26373m | 27.969  | ug/l   |        |
| 19) Methyl tert-butyl Ether   | 2.43 | 73  | 93879  | 21.516  | ug/l   | 99     |
| 20) Methylene Chloride        | 2.19 | 84  | 43120m | 20.557  | ug/l   |        |
| 21) trans-1,2-Dichloroethene  | 2.31 | 96  | 43100  | 22.010  | ug/l   | 94     |
| 22) Diisopropyl ether         | 2.81 | 45  | 145302 | 22.502  | ug/l   | 98     |
| 23) Vinyl Acetate             | 3.19 | 43  | 354060 | 91.260  | ug/l   | 97     |
| 24) 1,1-Dichloroethane        | 2.88 | 63  | 85090  | 22.770  | ug/l   | 98     |
| 25) 2-Butanone                | 4.35 | 43  | 128284 | 91.130  | ug/l   | 100    |
| 26) 2,2-Dichloropropane       | 3.60 | 77  | 60228  | 21.539  | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene    | 3.49 | 96  | 84278  | 22.545  | ug/l   | 95     |
| 28) Bromochloromethane        | 3.72 | 49  | 50788  | 21.656  | ug/l   | 96     |
| 29) Tetrahydrofuran           | 4.08 | 42  | 47405  | 98.015  | ug/l   | 98     |
| 30) Chloroform                | 3.86 | 83  | 134748 | 22.791  | ug/l   | 96     |
| 31) Cyclohexane               | 3.69 | 56  | 117403 | 22.766  | ug/l   | 98     |
| 32) 1,1,1-Trichloroethane     | 4.10 | 97  | 88501  | 21.432  | ug/l   | 97     |
| 36) 1,1-Dichloropropene       | 4.29 | 75  | 102765 | 20.803  | ug/l   | 96     |
| 37) Ethyl Acetate             | 4.12 | 43  | 41687  | 17.579  | ug/l # | 97     |
| 38) Carbon Tetrachloride      | 3.99 | 117 | 86118  | 20.401  | ug/l   | 96     |

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 Sample : VF1105SBS02  
 Misc : 5.00/5mL/MSVOA-F/SOIL  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleID :  
 VF1105SBS02

Manual Integrations  
 APPROVED

MMDadoda  
 11/6/2018 12:53:54 PM

Quant Time: Nov 06 07:56:41 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F110218S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 03 05:29:31 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 5.46  | 83   | 128173   | 21.261  | ug/l   | 95       |
| 40) Benzene                    | 4.63  | 78   | 261133   | 21.777  | ug/l   | 97       |
| 41) Methacrylonitrile          | 4.75  | 41   | 24826    | 18.486  | ug/l   | 97       |
| 42) 1,2-Dichloroethane         | 4.95  | 62   | 73493    | 21.354  | ug/l   | 97       |
| 43) Isopropyl Acetate          | 6.97  | 43   | 57107    | 19.038  | ug/l # | 98       |
| 44) Trichloroethene            | 5.51  | 130  | 77078    | 21.388  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 6.24  | 63   | 66998    | 21.846  | ug/l   | 99       |
| 46) Dibromomethane             | 6.09  | 93   | 42777    | 21.987  | ug/l   | 89       |
| 47) Bromodichloromethane       | 6.39  | 83   | 103892   | 22.139  | ug/l   | 100      |
| 48) Methyl methacrylate        | 6.72  | 41   | 37725    | 20.011  | ug/l   | 96       |
| 49) 1,4-Dioxane                | 6.71  | 88   | 7336     | 371.986 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone       | 8.26  | 43   | 212350   | 105.273 | ug/l   | 99       |
| 52) Toluene                    | 7.63  | 92   | 156076   | 19.981  | ug/l   | 93       |
| 53) t-1,3-Dichloropropene      | 8.28  | 75   | 80877    | 19.829  | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene    | 7.30  | 75   | 105766   | 20.524  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 8.50  | 97   | 44911    | 19.758  | ug/l   | 96       |
| 56) Ethyl methacrylate         | 8.63  | 69   | 58748    | 20.088  | ug/l   | 94       |
| 57) 1,3-Dichloropropane        | 8.86  | 76   | 81423    | 20.415  | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether  | 7.63  | 63   | 22364    | 107.674 | ug/l   | 100      |
| 59) 2-Hexanone                 | 9.50  | 43   | 144750   | 92.215  | ug/l   | 99       |
| 60) Dibromochloromethane       | 8.73  | 129  | 62519    | 19.667  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 8.99  | 107  | 45936    | 19.217  | ug/l   | 86       |
| 64) Tetrachloroethene          | 8.16  | 164  | 67268    | 21.824  | ug/l   | 95       |
| 65) Chlorobenzene              | 9.81  | 112  | 165163   | 20.536  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane  | 9.94  | 131  | 73966    | 21.765  | ug/l   | 98       |
| 67) Ethyl Benzene              | 9.91  | 91   | 314422   | 21.543  | ug/l   | 98       |
| 68) m/p-Xylenes                | 10.14 | 106  | 233858   | 42.537  | ug/l   | 94       |
| 69) o-Xylene                   | 10.72 | 106  | 128295   | 21.371  | ug/l   | 92       |
| 70) Styrene                    | 10.80 | 104  | 183995   | 21.156  | ug/l   | 94       |
| 71) Bromoform                  | 10.78 | 173  | 35717    | 20.350  | ug/l   | 97       |
| 73) Isopropylbenzene           | 11.13 | 105  | 378603   | 22.566  | ug/l   | 96       |
| 74) N-amyl acetate             | 11.38 | 43   | 106940   | 23.248  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.70 | 83   | 65295    | 21.321  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 11.87 | 75   | 30789    | 20.457  | ug/l   | 95       |
| 77) Bromobenzene               | 11.51 | 156  | 77681    | 21.160  | ug/l   | 82       |
| 78) n-propylbenzene            | 11.60 | 91   | 433313   | 22.074  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 11.72 | 91   | 242526   | 21.634  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 11.83 | 105  | 294443   | 21.291  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-buten | 11.87 | 75   | 22372m   | 18.914  | ug/l   |          |
| 82) 4-Chlorotoluene            | 11.90 | 91   | 259069   | 22.150  | ug/l   | 96       |
| 83) tert-Butylbenzene          | 12.14 | 119  | 309241   | 21.888  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene     | 12.21 | 105  | 290791   | 21.472  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 12.32 | 105  | 435729   | 22.420  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 12.46 | 119  | 358569   | 22.404  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene        | 12.48 | 146  | 152408   | 21.151  | ug/l   | 96       |
| 88) 1,4-Dichlorobenzene        | 12.57 | 146  | 147805   | 21.626  | ug/l   | 98       |
| 89) n-Butylbenzene             | 12.85 | 91   | 371319   | 21.334  | ug/l   | 93       |
| 90) Hexachloroethane           | 12.93 | 117  | 91122    | 22.388  | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene        | 12.95 | 146  | 152304   | 22.593  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.65 | 75   | 11145    | 20.947  | ug/l   | 92       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF110518\  
Data File : VF060593.D  
Acq On : 6 Nov 2018 3:51  
Operator : VA/AP  
Sample : VF1105SBSD02  
Misc : 5.00/5mL/MSVOA-F/SOIL  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF1105SBSD02

Manual Integrations  
APPROVED

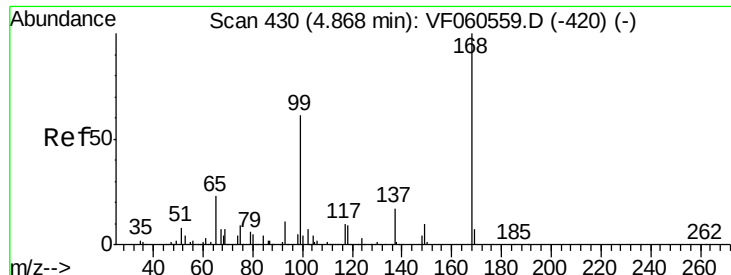
MMDadoda  
11/6/2018 12:53:54 PM

Quant Time: Nov 06 07:56:41 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F110218S.M  
Quant Title : SW846 8260  
QLast Update : Sat Nov 03 05:29:31 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.21 | 180  | 98384    | 21.482 | ug/l  | 94       |
| 94) Hexachlorobutadiene    | 14.20 | 225  | 59793    | 20.148 | ug/l  | 98       |
| 95) Naphthalene            | 14.47 | 128  | 202301   | 22.070 | ug/l  | 98       |
| 96) 1,2,3-Trichlorobenzene | 14.60 | 180  | 88136    | 20.372 | ug/l  | 95       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.01 min

Lab File: VF060593.D

Acq: 6 Nov 2018 3:51

Instrument :

MSVOA\_F

ClientSampleId :

VF1105SBSD02

Tot Ion:168 Resp: 256926

Ion Ratio Lower Upper

168 100

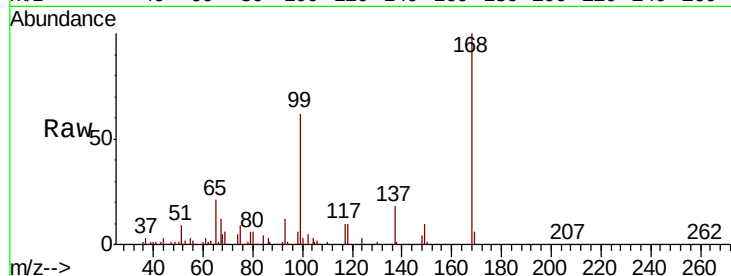
99 61.8 48.6 72.8

Manual Integrations

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11/6/2018 12:53:54 PM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

80000

60000

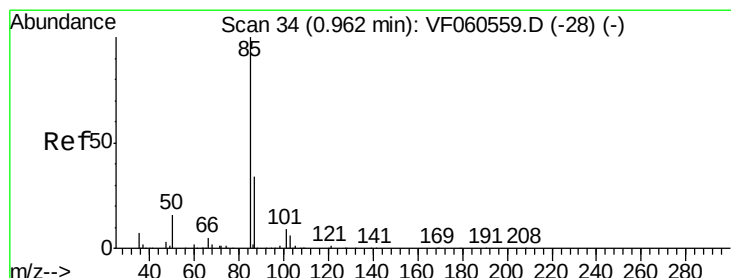
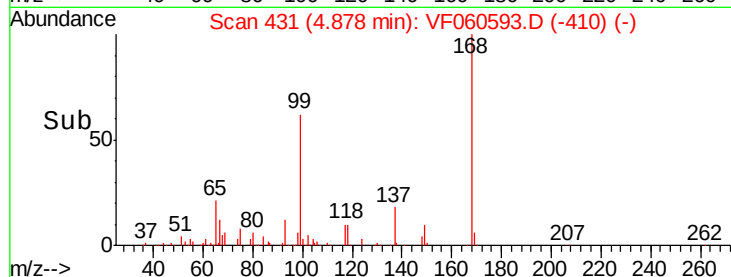
40000

20000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 31.980 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF060593.D

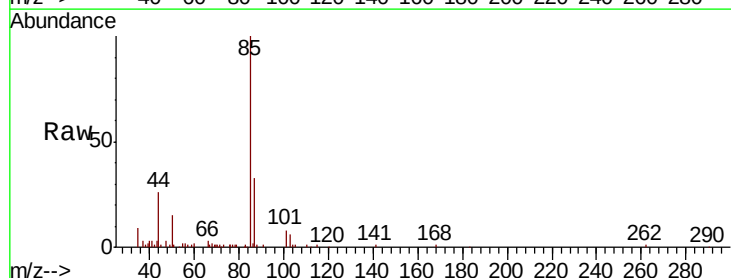
Acq: 6 Nov 2018 3:51

Tgt Ion: 85 Resp: 89728

Ion Ratio Lower Upper

85 100

87 33.1 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

25000

20000

15000

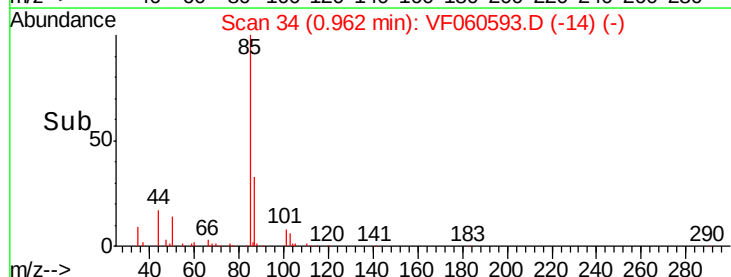
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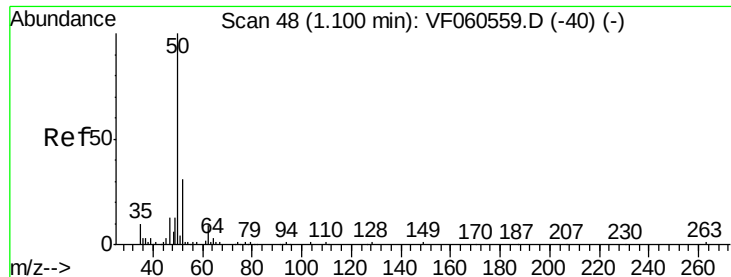
5000

0

0.80 0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 24.078 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF060593.D

Acq: 6 Nov 2018 3:51

Instrument :

MSVOA\_F

ClientSampleId :

VF1105SBSD02

Tot Ion: 50 Resp: 54142

Ion Ratio Lower Upper

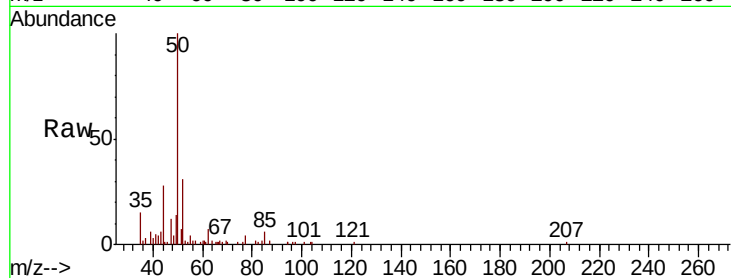
50 100

52 31.0 24.0 36.0

Manual Integrations  
APPROVED

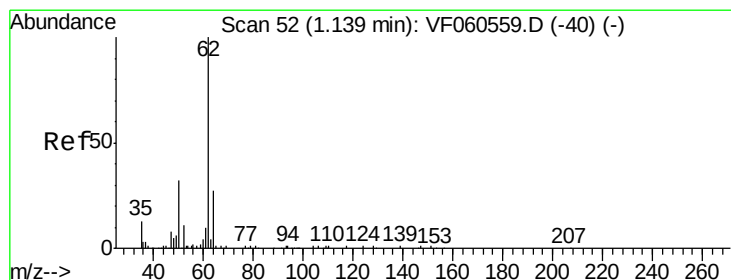
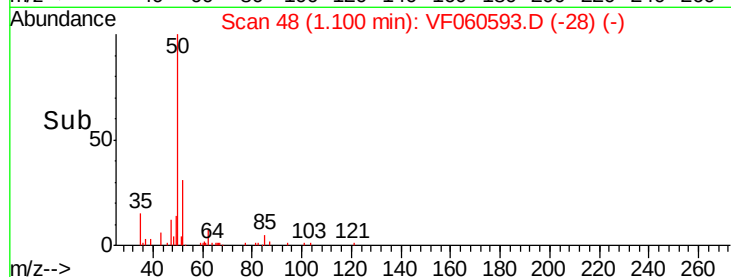
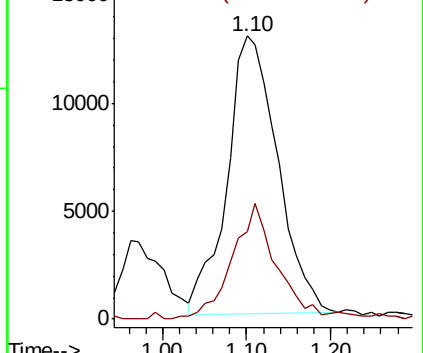
MMDadoda

11/6/2018 12:53:54 PM



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 24.589 ug/l

RT: 1.15 min Scan# 53

Delta R.T. 0.01 min

Lab File: VF060593.D

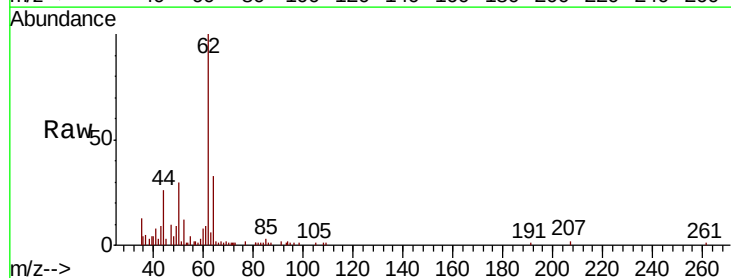
Acq: 6 Nov 2018 3:51

Tgt Ion: 62 Resp: 50949

Ion Ratio Lower Upper

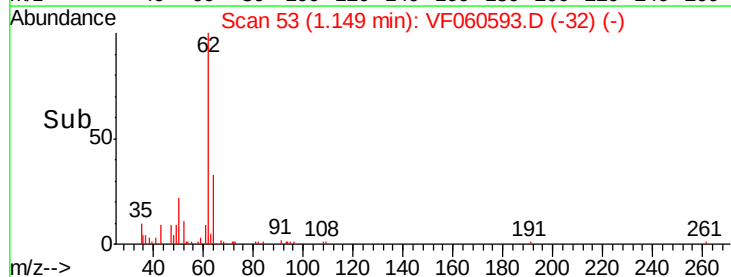
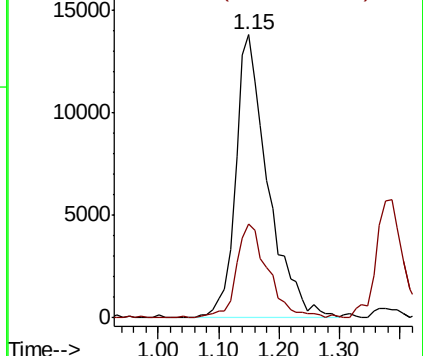
62 100

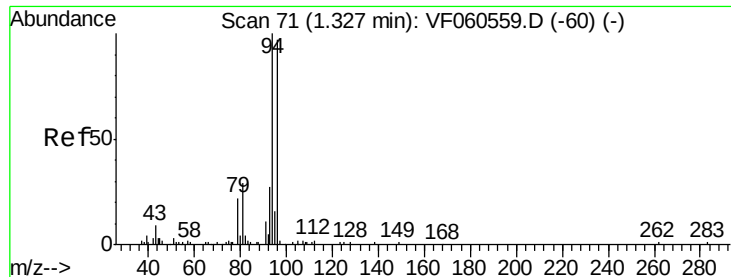
64 33.2 21.8 32.6#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 22.091 ug/l

RT: 1.34 min Scan# 72

Delta R.T. 0.01 min

Lab File: VF060593.D

Acq: 6 Nov 2018 3:51

Instrument :

MSVOA\_F

ClientSampleId :

VF1105SBSD02

Tot Ion: 94 Resp: 25693

Ion Ratio Lower Upper

94 100

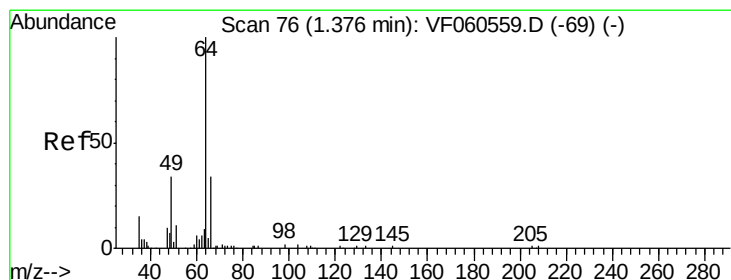
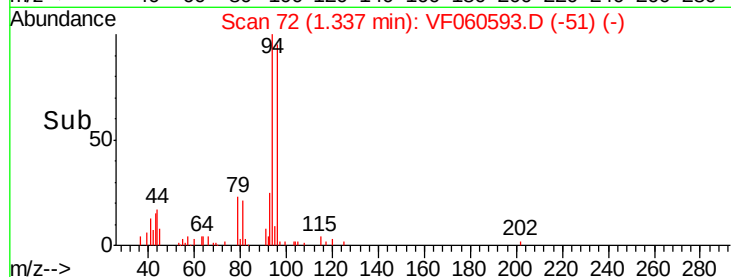
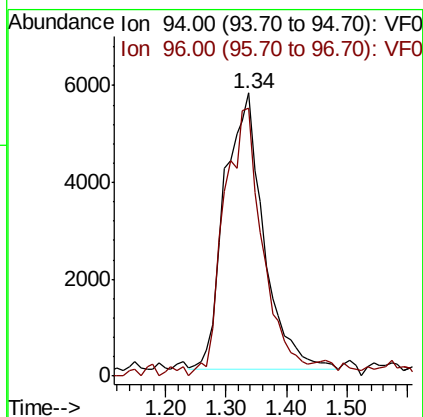
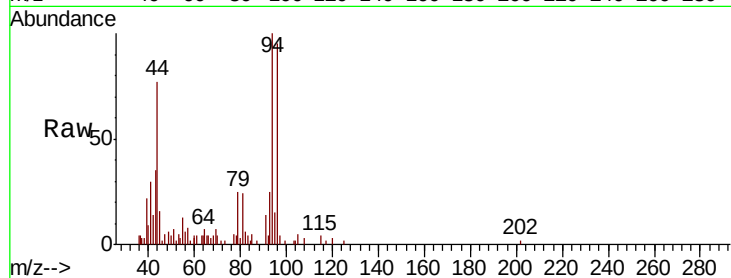
96 94.9 77.9 116.9

Manual Integrations

APPROVED

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11/6/2018 12:53:54 PM



#6

Chloroethane

Concen: 22.754 ug/l

RT: 1.39 min Scan# 77

Delta R.T. 0.01 min

Lab File: VF060593.D

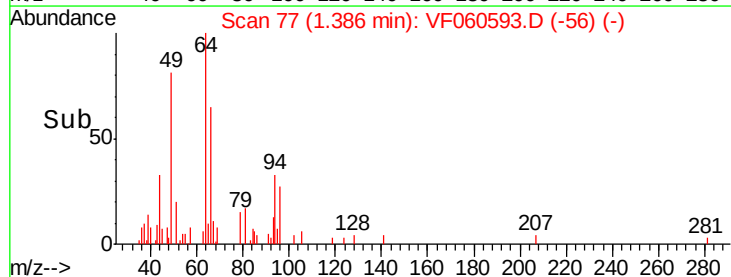
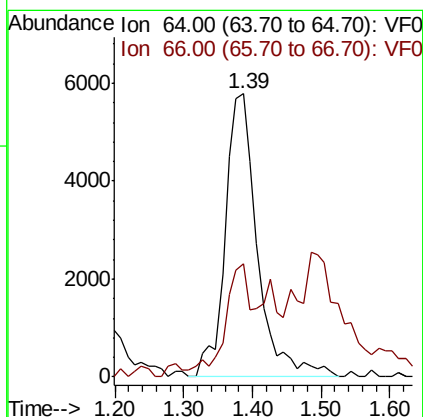
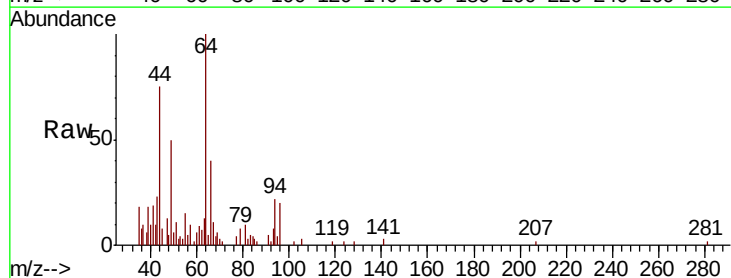
Acq: 6 Nov 2018 3:51

Tgt Ion: 64 Resp: 18775

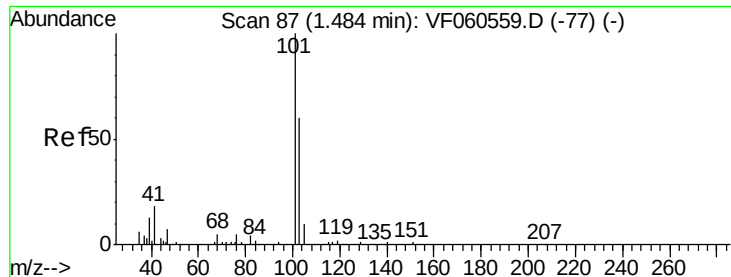
Ion Ratio Lower Upper

64 100

66 39.8 27.8 41.8







#7

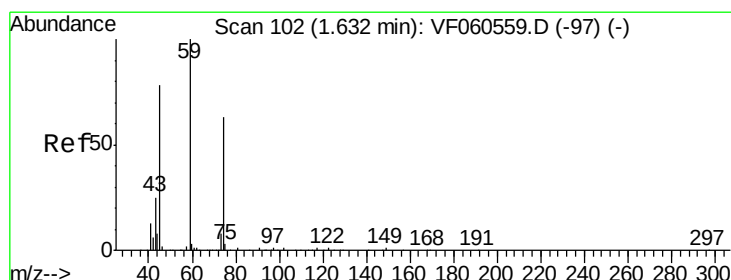
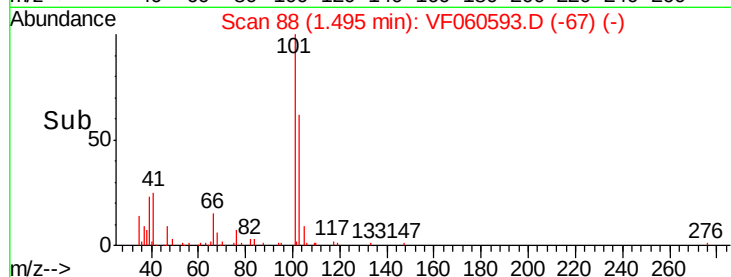
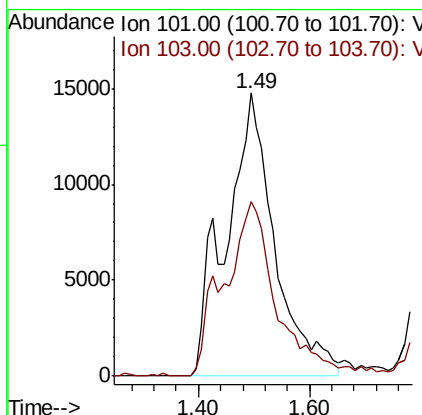
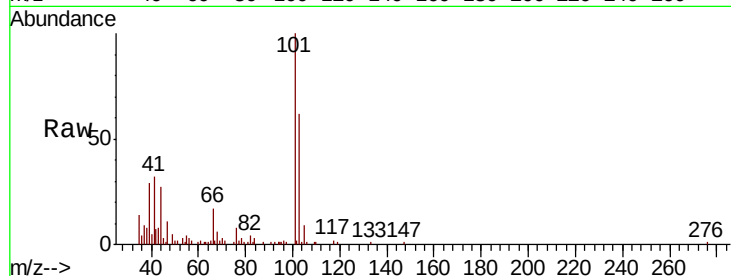
Trichlorofluoromethane  
 Concen: 23.376 ug/l m  
 RT: 1.49 min Scan# 88  
 Delta R.T. 0.01 min  
 Lab File: VF060593.D  
 Acq: 6 Nov 2018 3:51

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF1105SBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 61.6  | 48.0  | 72.0  |

Manual Integrations  
 APPROVED

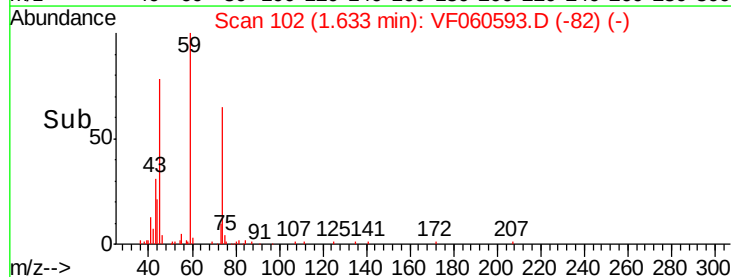
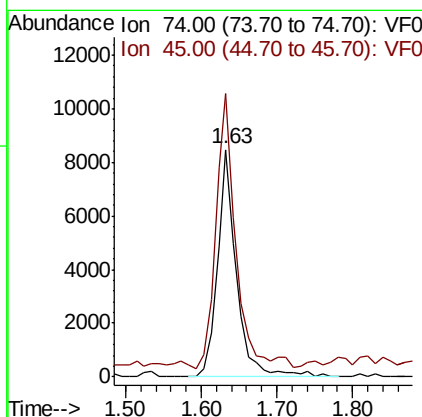
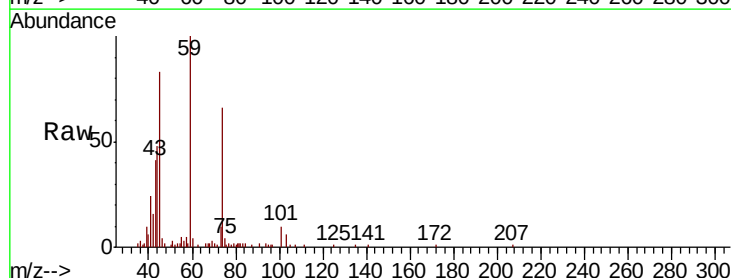
MMDadoda  
 11/6/2018 12:53:54 PM



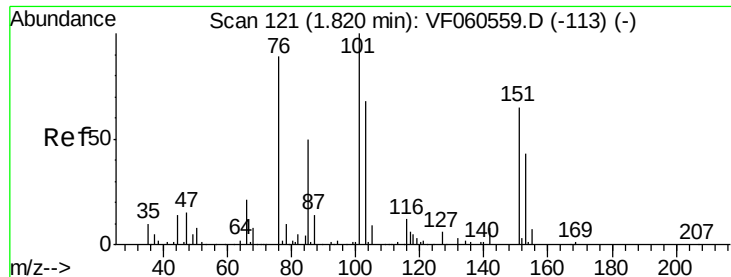
#8

Diethyl Ether  
 Concen: 20.795 ug/l  
 RT: 1.63 min Scan# 102  
 Delta R.T. 0.00 min  
 Lab File: VF060593.D  
 Acq: 6 Nov 2018 3:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 124.6 | 63.8  | 191.5 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.957 ug/l

RT: 1.82 min Scan# 121

Delta R.T. 0.00 min

Lab File: VF060593.D

Acq: 6 Nov 2018 3:51

Instrument :

MSVOA\_F

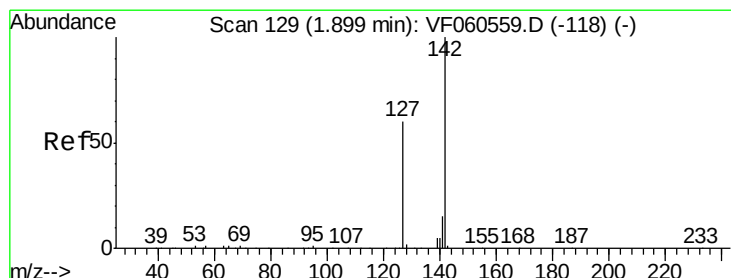
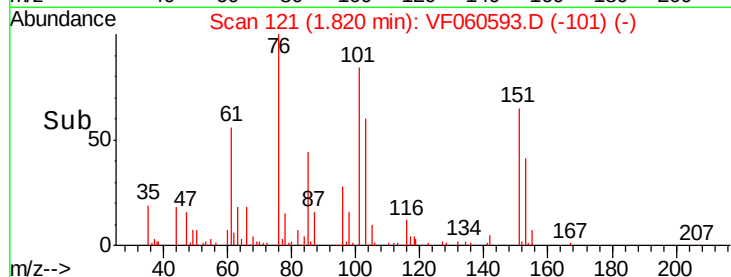
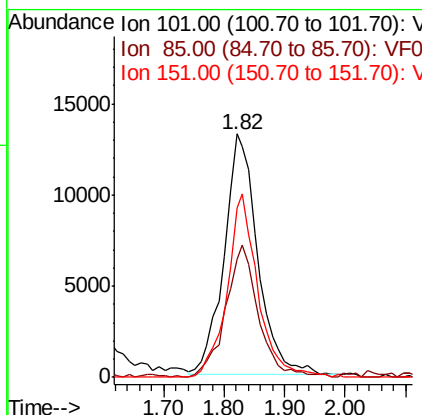
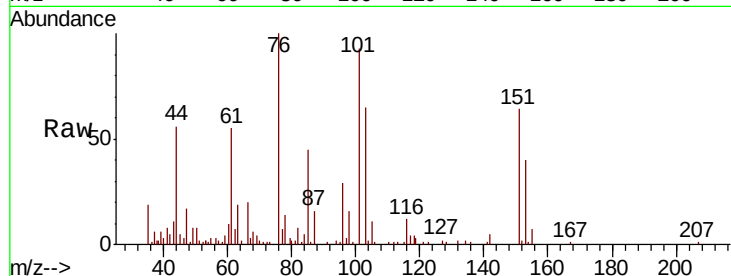
ClientSampleId :

VF1105SBSD02

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 50875 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 48.3  | 39.8  | 59.6  |
| 151       | 69.4  | 50.8  | 76.2  |

Manual Integrations  
APPROVED

MMDadoda  
11/6/2018 12:53:54 PM



#10

Methyl Iodide

Concen: 21.993 ug/l m

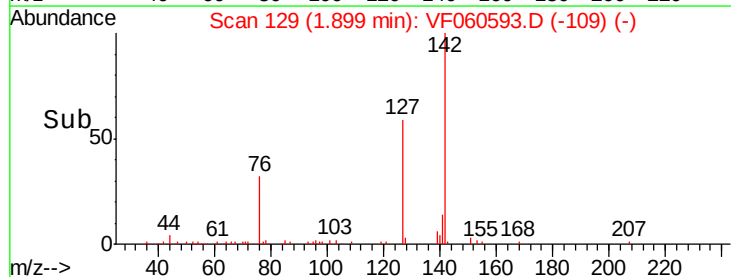
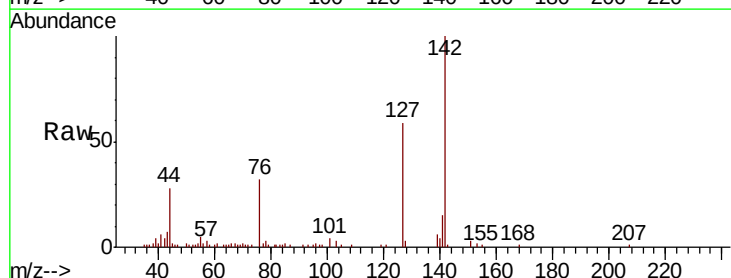
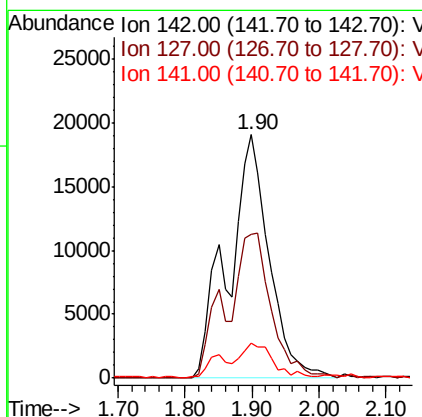
RT: 1.90 min Scan# 129

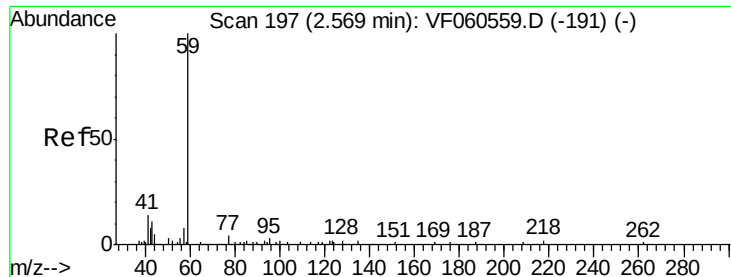
Delta R.T. 0.00 min

Lab File: VF060593.D

Acq: 6 Nov 2018 3:51

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 80205 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 59.0  | 47.8  | 71.6  |
| 141       | 14.6  | 12.7  | 19.1  |





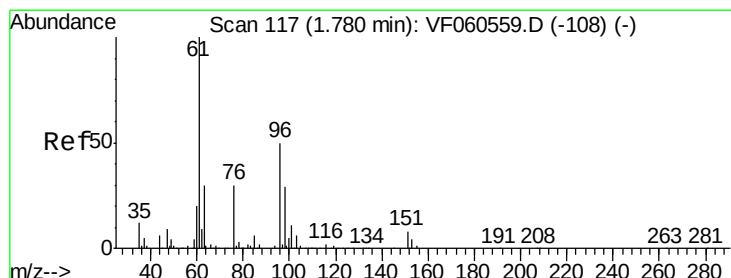
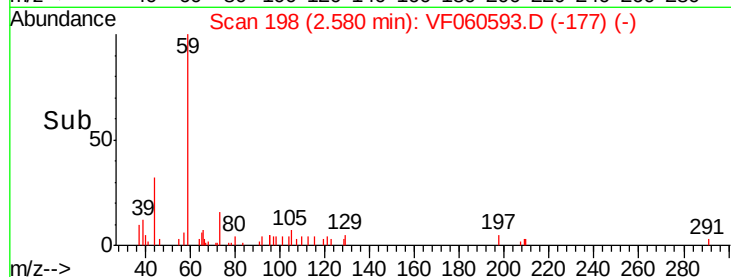
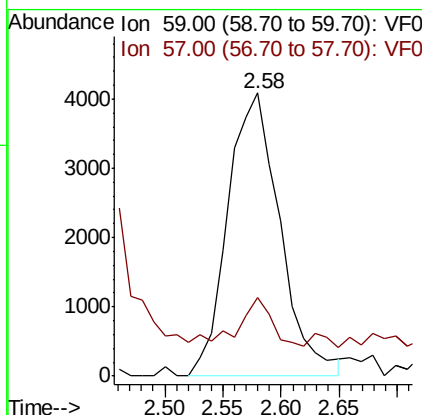
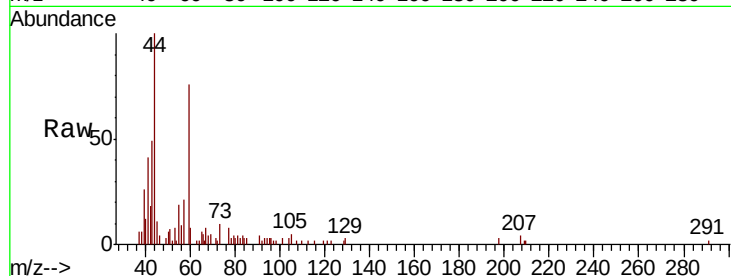
#11  
Tert butyl alcohol  
Concen: 89.221 ug/l  
RT: 2.58 min Scan# 198  
Delta R.T. 0.01 min  
Lab File: VF060593.D  
Acq: 6 Nov 2018 3:51

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF1105SBS02

Tot Ion: 59 Resp: 12722  
Ion Ratio Lower Upper  
59 100  
57 27.6 19.0 28.4

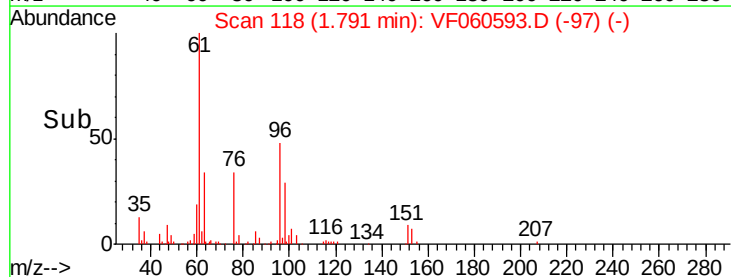
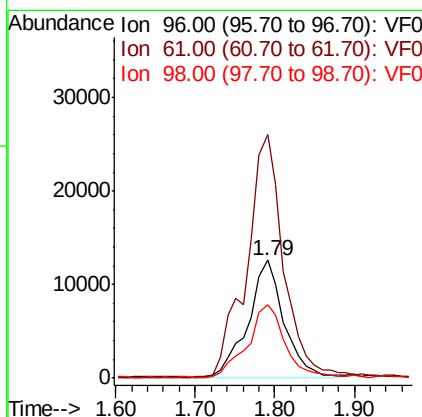
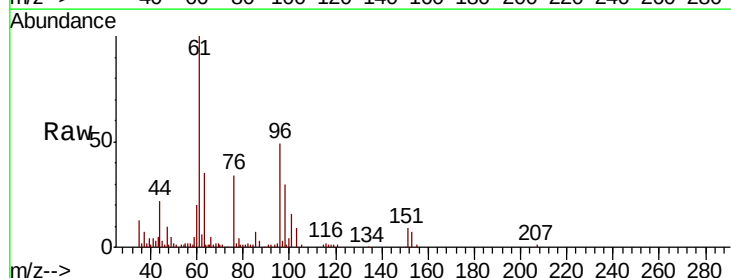
Manual Integrations  
APPROVED

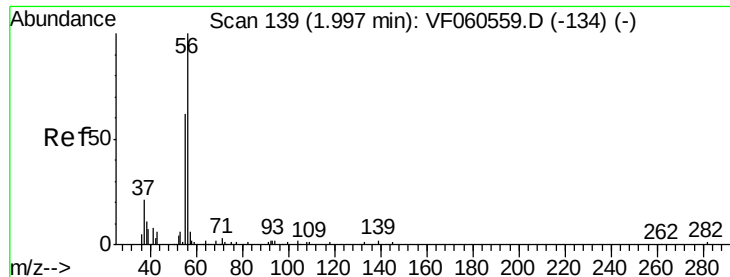
MMDadoda  
11/6/2018 12:53:54 PM



#12  
1,1-Dichloroethene  
Concen: 21.432 ug/l  
RT: 1.79 min Scan# 118  
Delta R.T. 0.01 min  
Lab File: VF060593.D  
Acq: 6 Nov 2018 3:51

Tgt Ion: 96 Resp: 40003  
Ion Ratio Lower Upper  
96 100  
61 206.1 158.1 237.1  
98 61.6 47.0 70.6





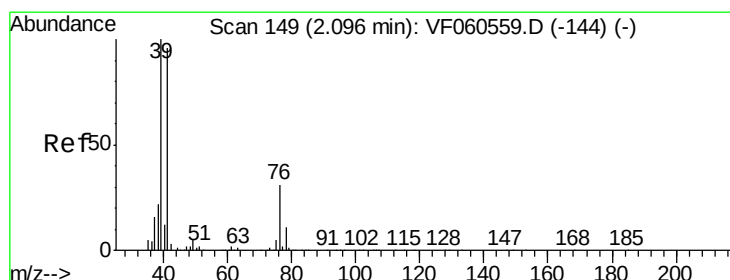
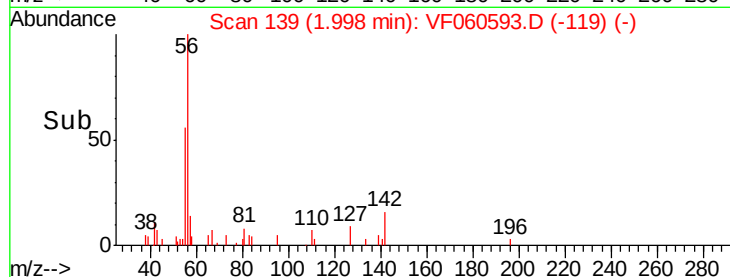
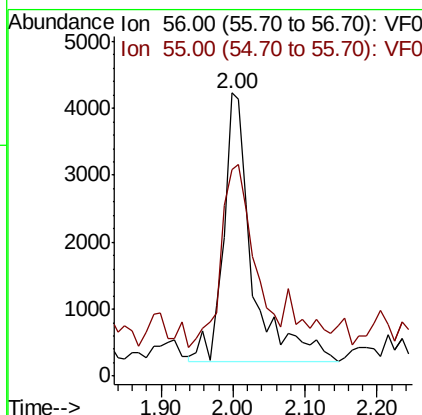
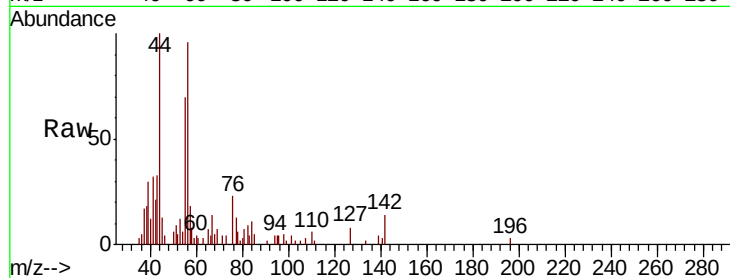
#13  
Acrolein  
Concen: 109.380 ug/l  
RT: 2.00 min Scan# 139  
Delta R.T. 0.00 min  
Lab File: VF060593.D  
Acq: 6 Nov 2018 3:51

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF1105SBSD02

| Tot Ion   | 56   | Resp  | 10927 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 55        | 73.0 | 61.8  | 92.6  |

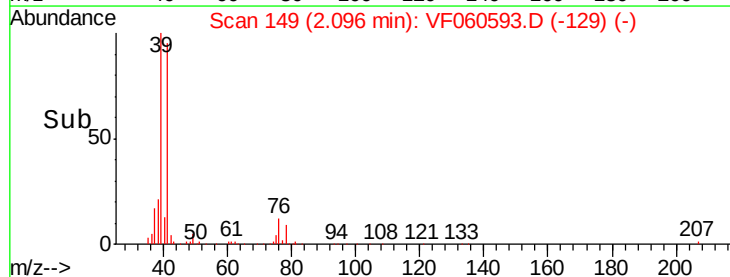
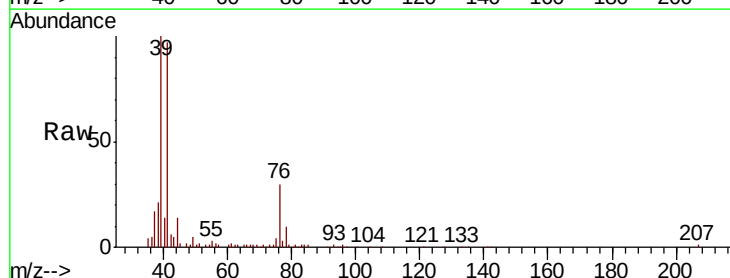
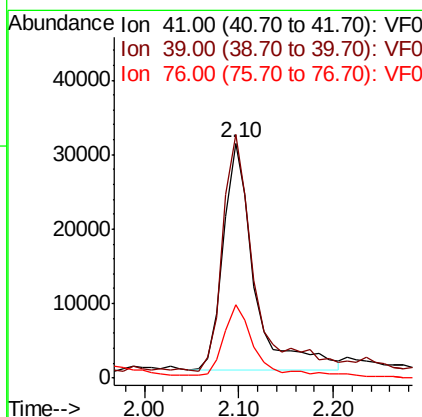
Manual Integrations  
APPROVED

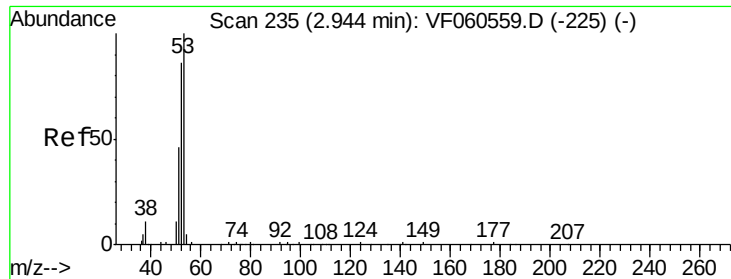
MMDadoda  
11/6/2018 12:53:54 PM



#14  
Allyl chloride  
Concen: 22.837 ug/l  
RT: 2.10 min Scan# 149  
Delta R.T. 0.00 min  
Lab File: VF060593.D  
Acq: 6 Nov 2018 3:51

| Tgt Ion   | 41    | Resp  | 69601 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 39        | 103.5 | 82.6  | 124.0 |
| 76        | 31.0  | 26.7  | 40.1  |





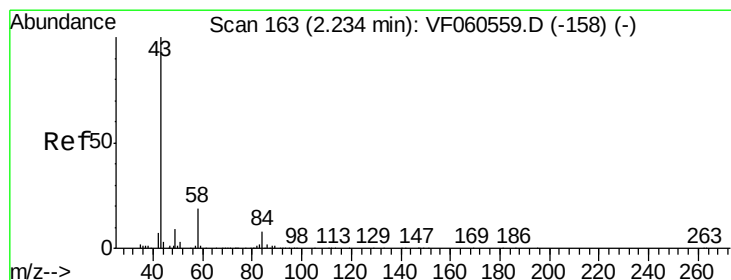
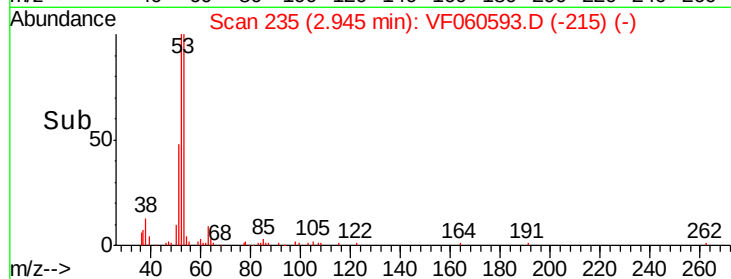
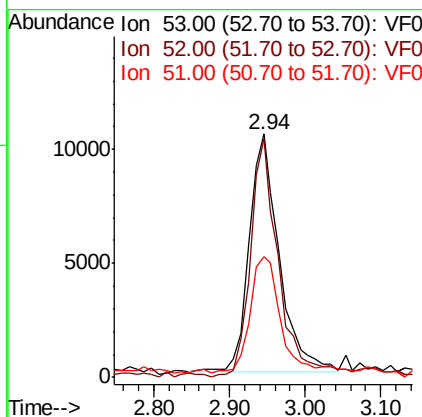
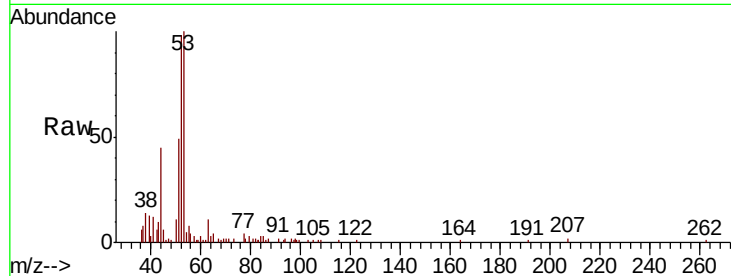
#15  
 Acrylonitrile  
 Concen: 92.961 ug/l  
 RT: 2.94 min Scan# 235  
 Delta R.T. 0.00 min  
 Lab File: VF060593.D  
 Acq: 6 Nov 2018 3:51

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF1105SBS02

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 28760 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 97.8  | 68.5  | 102.7 |
| 51       | 49.4  | 38.2  | 57.2  |

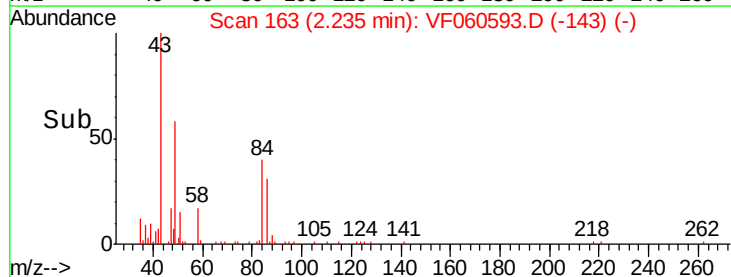
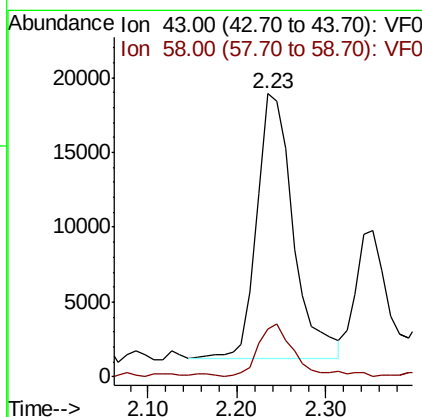
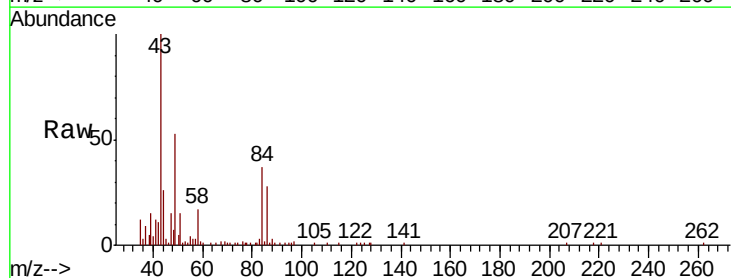
Manual Integrations  
 APPROVED

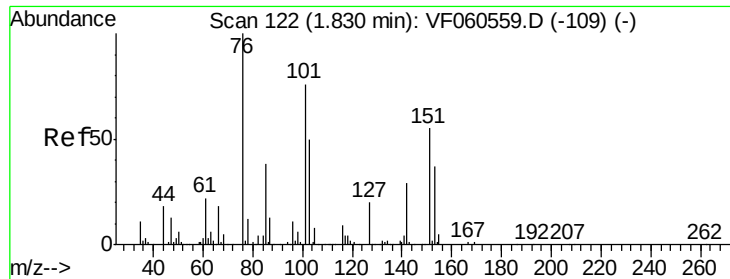
MMDadoda  
 11/6/2018 12:53:54 PM



#16  
 Acetone  
 Concen: 81.892 ug/l  
 RT: 2.23 min Scan# 163  
 Delta R.T. 0.00 min  
 Lab File: VF060593.D  
 Acq: 6 Nov 2018 3:51

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 50093 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 17.1  | 14.6  | 22.0  |





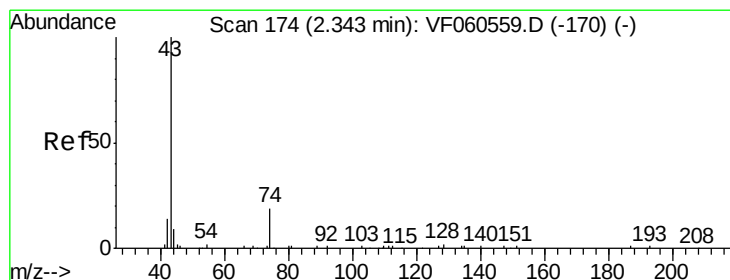
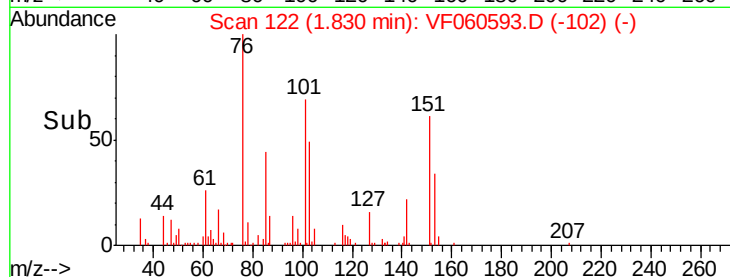
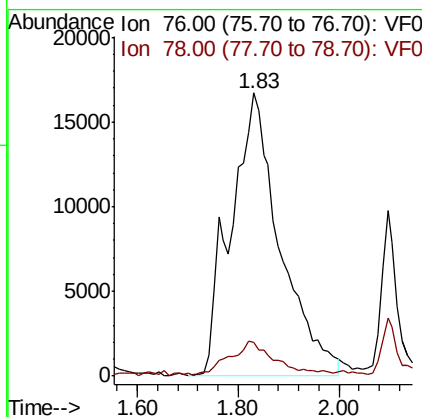
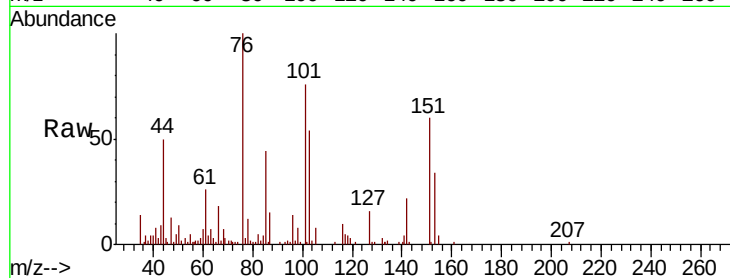
#17  
Carbon Disulfide  
Concen: 21.755 ug/l  
RT: 1.83 min Scan# 122  
Delta R.T. 0.00 min  
Lab File: VF060593.D  
Acq: 6 Nov 2018 3:51

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF1105SBSD02

Tot Ion: 76 Resp: 114380  
Ion Ratio Lower Upper  
76 100  
78 12.1 9.9 14.9

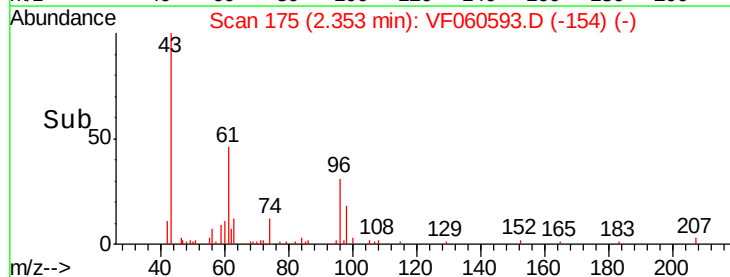
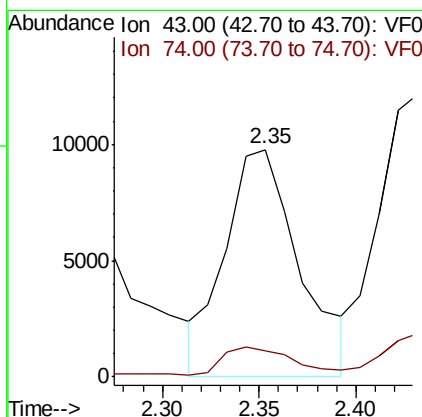
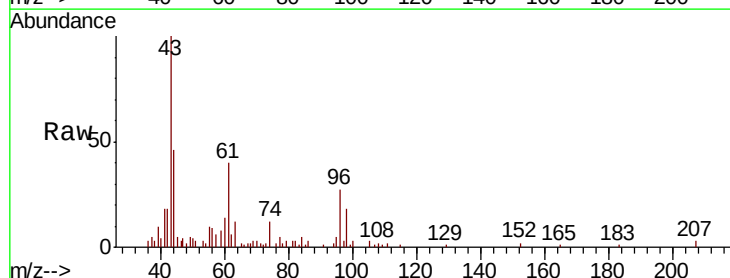
Manual Integrations  
APPROVED

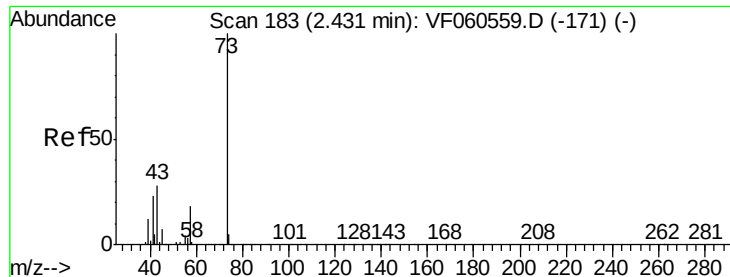
MMDadoda  
11/6/2018 12:53:54 PM



#18  
Methyl Acetate  
Concen: 27.969 ug/l m  
RT: 2.35 min Scan# 175  
Delta R.T. 0.01 min  
Lab File: VF060593.D  
Acq: 6 Nov 2018 3:51

Tgt Ion: 43 Resp: 26373  
Ion Ratio Lower Upper  
43 100  
74 11.6 12.1 18.1#





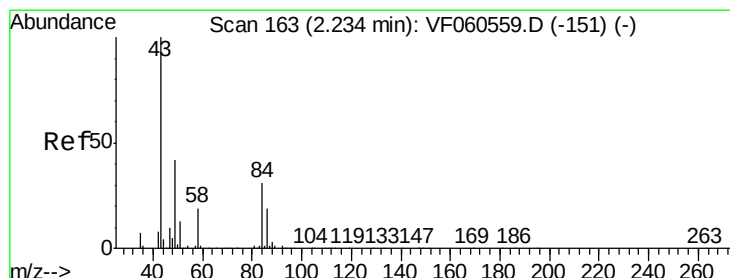
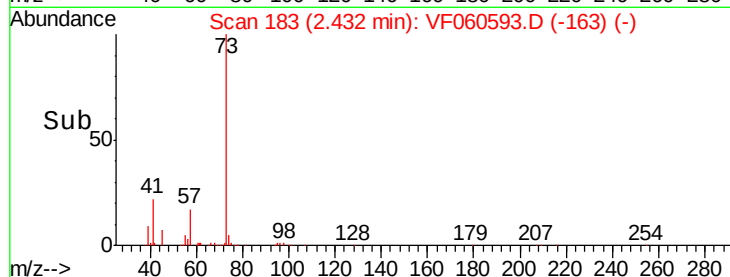
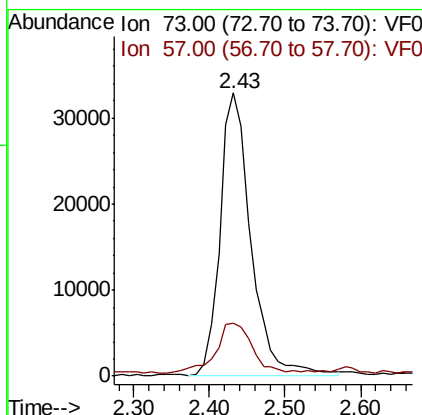
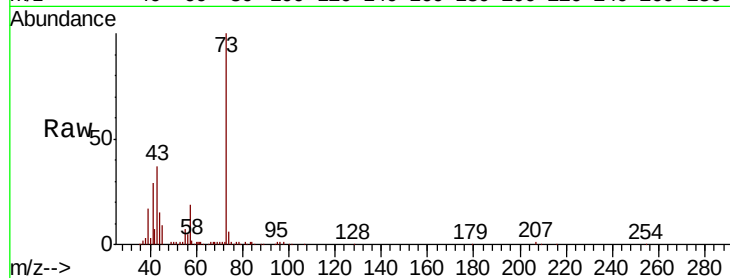
#19  
Methyl tert-butyl Ether  
Concen: 21.516 ug/l  
RT: 2.43 min Scan# 183  
Delta R.T. 0.00 min  
Lab File: VF060593.D  
Acq: 6 Nov 2018 3:51

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF1105SBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 18.8  | 15.4  | 23.0  |

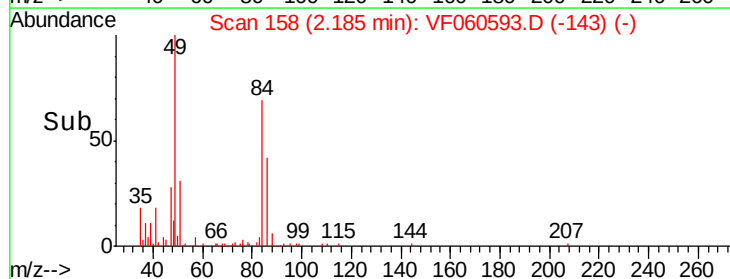
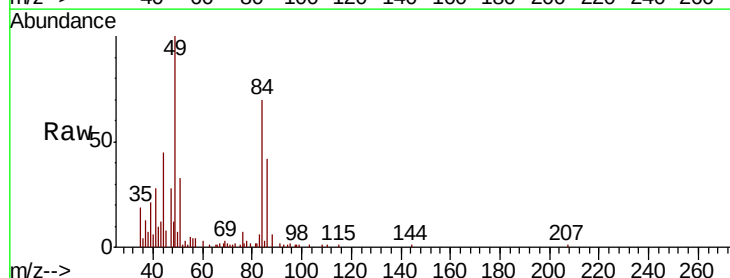
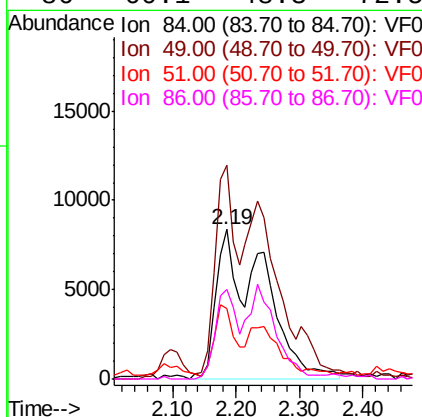
Manual Integrations  
APPROVED

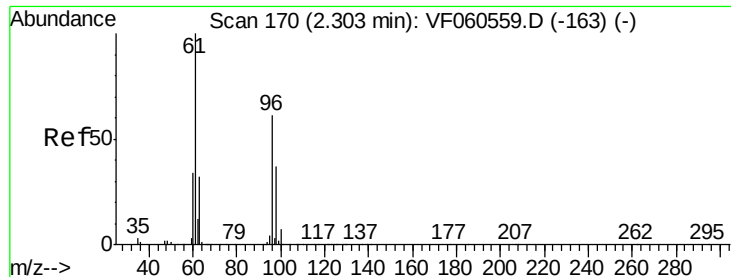
MMDadoda  
11/6/2018 12:53:54 PM



#20  
Methylene Chloride  
Concen: 20.557 ug/l m  
RT: 2.19 min Scan# 158  
Delta R.T. -0.05 min  
Lab File: VF060593.D  
Acq: 6 Nov 2018 3:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 142.9 | 109.9 | 164.9 |
| 51      | 47.1  | 35.8  | 53.8  |
| 86      | 60.1  | 48.3  | 72.5  |





#21

trans-1,2-Dichloroethene

Concen: 22.010 ug/l

RT: 2.31 min Scan# 171

Delta R.T. 0.01 min

Lab File: VF060593.D

Acq: 6 Nov 2018 3:51

Instrument :

MSVOA\_F

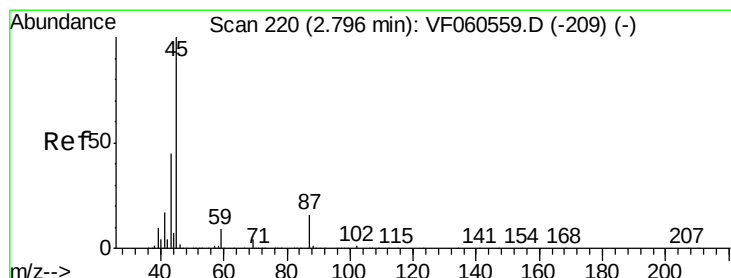
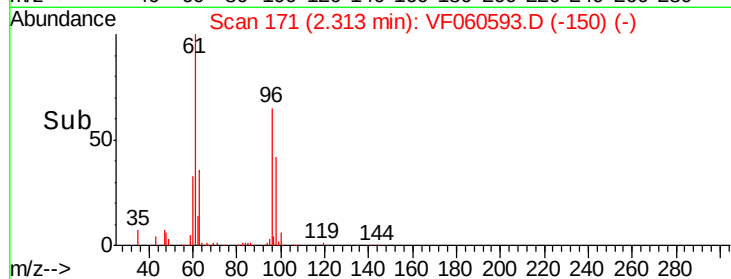
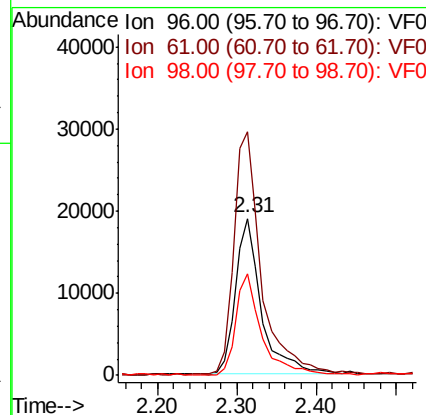
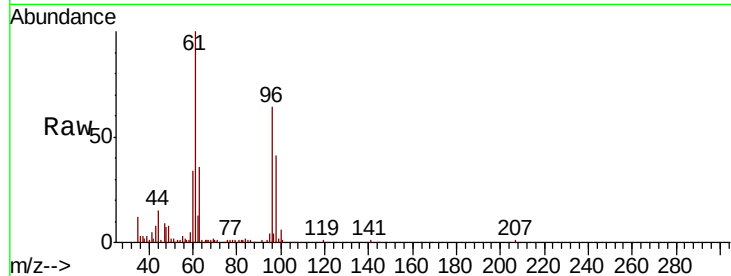
ClientSampleId :

VF1105SBSD02

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 43100 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 155.4 | 131.3 | 196.9 |
| 98       | 64.4  | 48.6  | 73.0  |

Manual Integrations  
APPROVED

MMDadoda  
11/6/2018 12:53:54 PM



#22

Diisopropyl ether

Concen: 22.502 ug/l

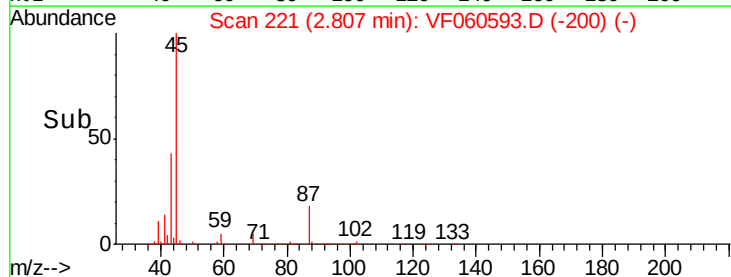
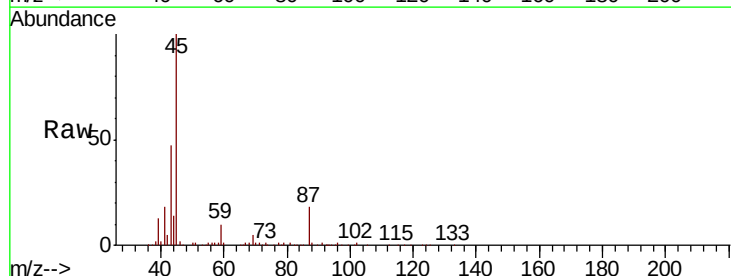
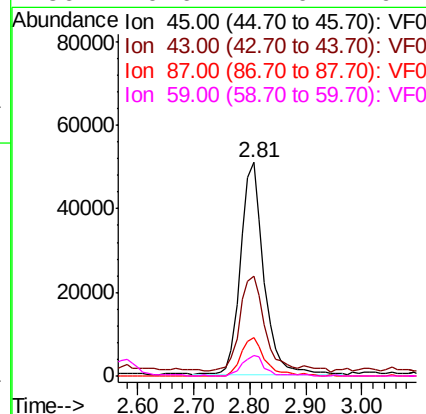
RT: 2.81 min Scan# 221

Delta R.T. 0.01 min

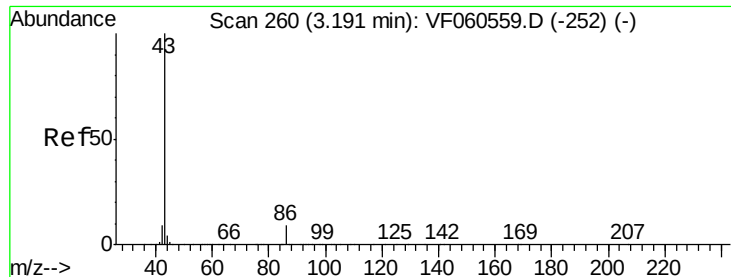
Lab File: VF060593.D

Acq: 6 Nov 2018 3:51

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 145302 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 46.6  | 38.1  | 57.1   |
| 87       | 18.2  | 12.7  | 19.1   |
| 59       | 9.6   | 7.0   | 10.4   |







#23

Vinyl Acetate

Concen: 91.260 ug/l

RT: 3.19 min Scan# 260

Delta R.T. 0.00 min

Lab File: VF060593.D

Acq: 6 Nov 2018 3:51

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 43    | Resp: | 354060 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 86        | 7.8   | 7.1   | 10.7   |

Instrument :

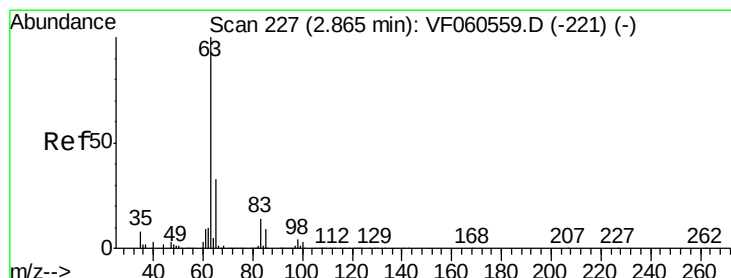
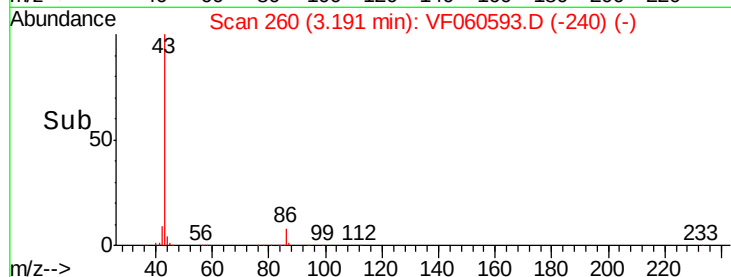
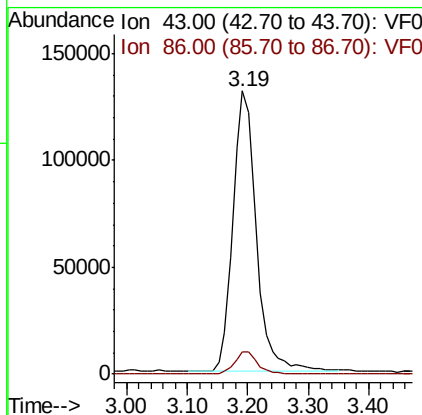
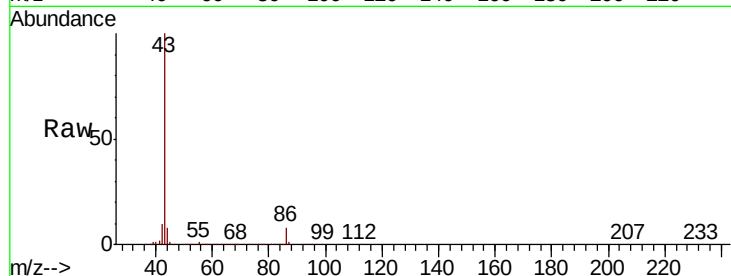
MSVOA\_F

ClientSampleId :

VF1105SBSD02

Manual Integrations  
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11/6/2018 12:53:54 PM



#24

1,1-Dichloroethane

Concen: 22.770 ug/l

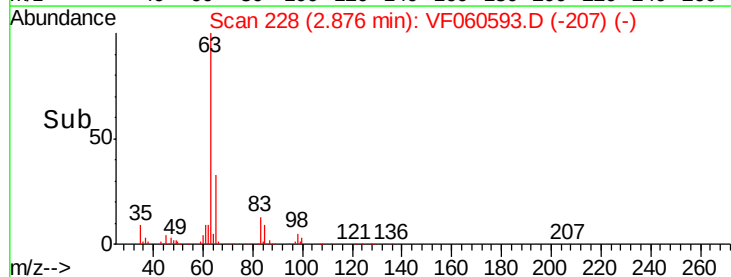
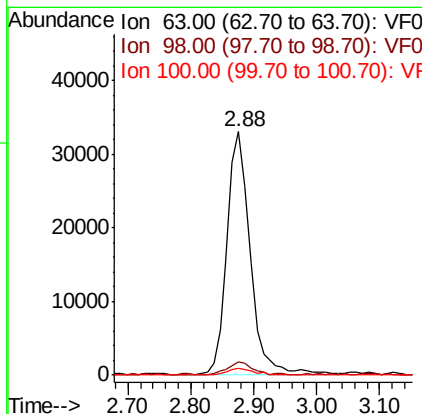
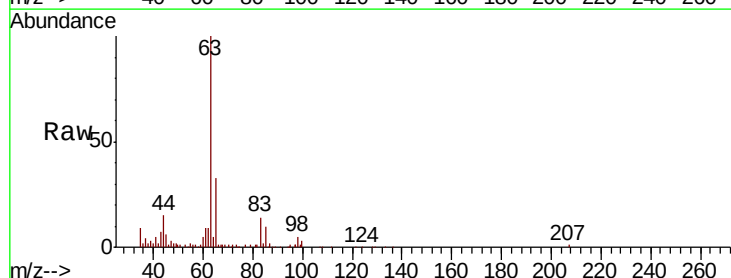
RT: 2.88 min Scan# 228

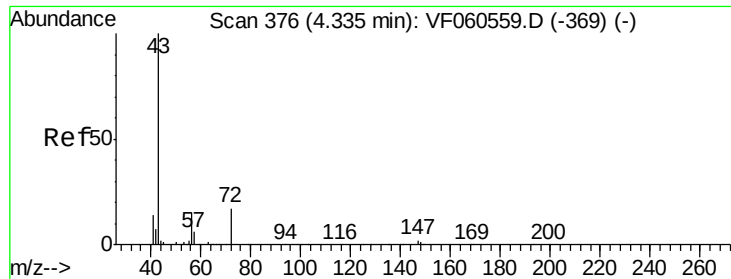
Delta R.T. 0.01 min

Lab File: VF060593.D

Acq: 6 Nov 2018 3:51

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 63    | Resp: | 85090 |
| Ion Ratio | Lower | Upper |       |
| 63        | 100   |       |       |
| 98        | 5.2   | 2.2   | 6.6   |
| 100       | 2.8   | 1.4   | 4.0   |





#25

2-Butanone

Concen: 91.130 ug/l

RT: 4.35 min Scan# 377

Delta R.T. 0.01 min

Lab File: VF060593.D

Acq: 6 Nov 2018 3:51

Instrument :

MSVOA\_F

ClientSampleId :

VF1105SBS02

Tot Ion: 43 Resp: 128284

Ion Ratio Lower Upper

43 100

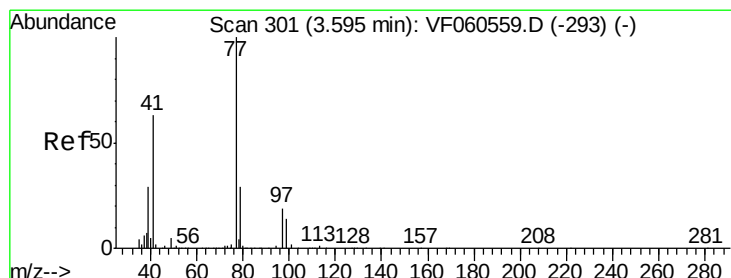
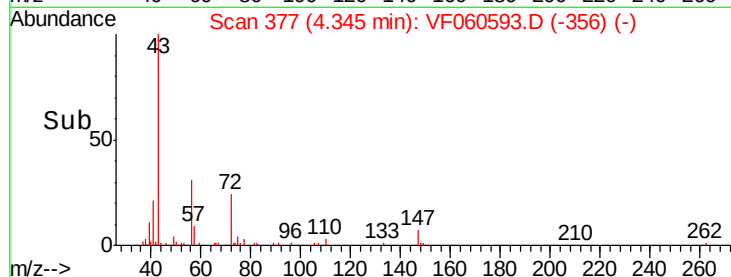
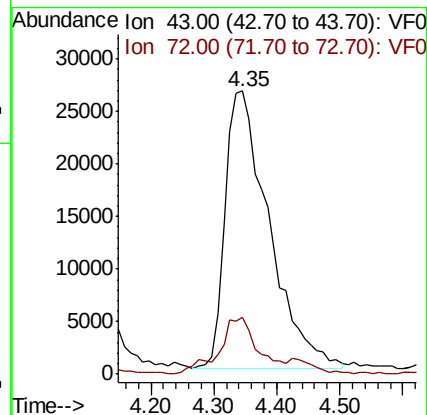
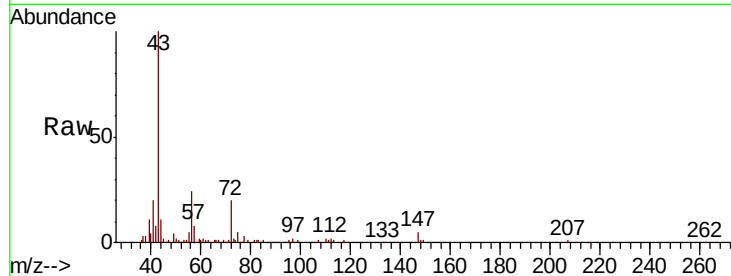
72 20.0 16.2 24.2

Manual Integrations

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11/6/2018 12:53:54 PM



#26

2,2-Dichloropropane

Concen: 21.539 ug/l

RT: 3.60 min Scan# 301

Delta R.T. 0.00 min

Lab File: VF060593.D

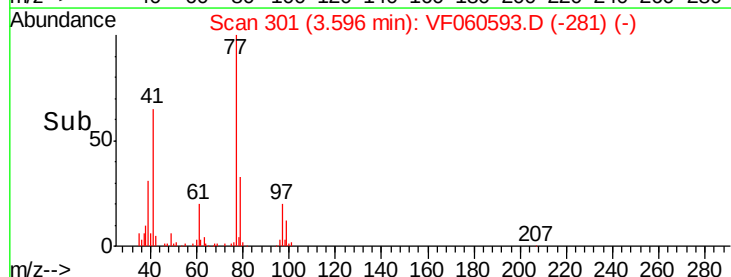
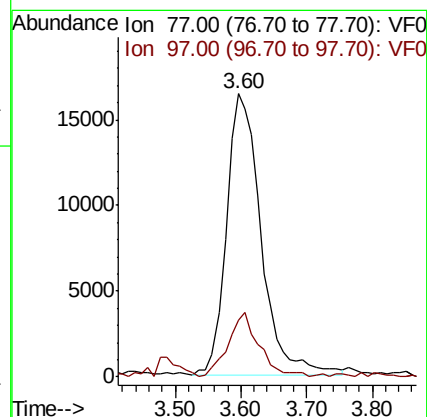
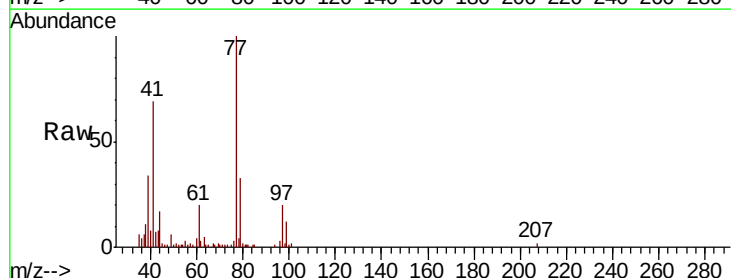
Acq: 6 Nov 2018 3:51

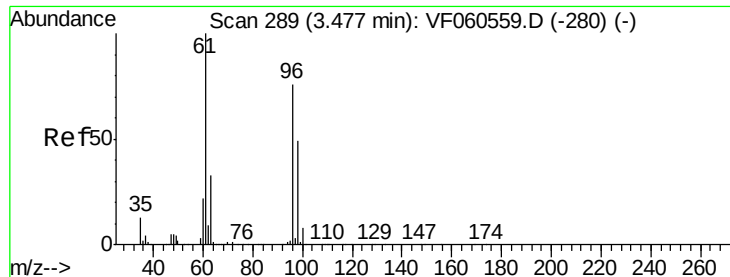
Tgt Ion: 77 Resp: 60228

Ion Ratio Lower Upper

77 100

97 19.9 9.8 29.3





#27

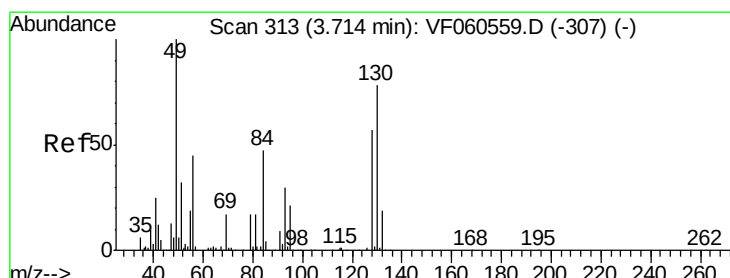
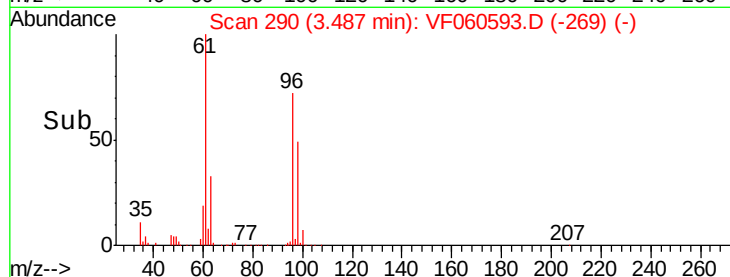
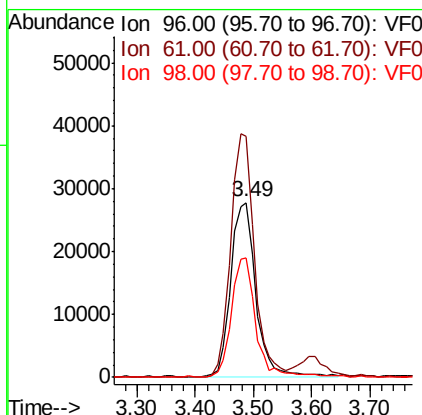
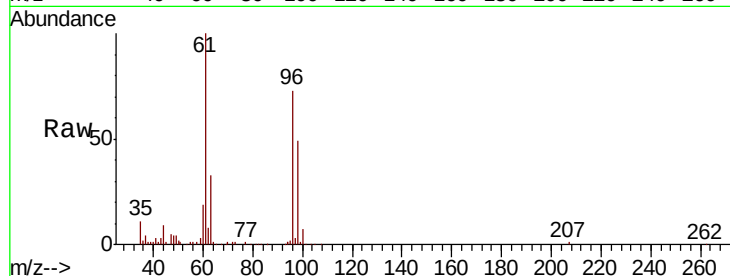
cis-1,2-Dichloroethene  
Concen: 22.545 ug/l  
RT: 3.49 min Scan# 290  
Delta R.T. 0.01 min  
Lab File: VF060593.D  
Acq: 6 Nov 2018 3:51

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF1105SBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 137.9 | 0.0   | 263.0 |
| 98      | 68.0  | 0.0   | 130.6 |

Manual Integrations  
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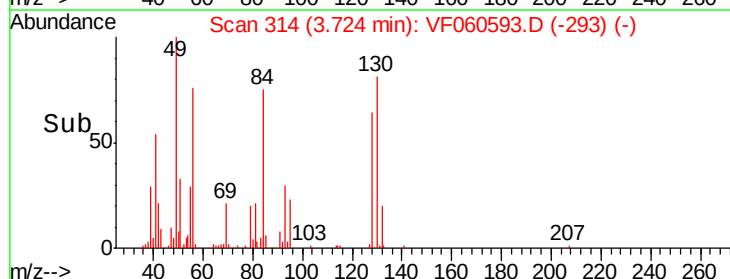
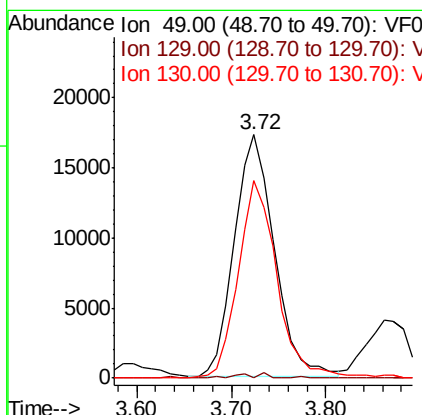
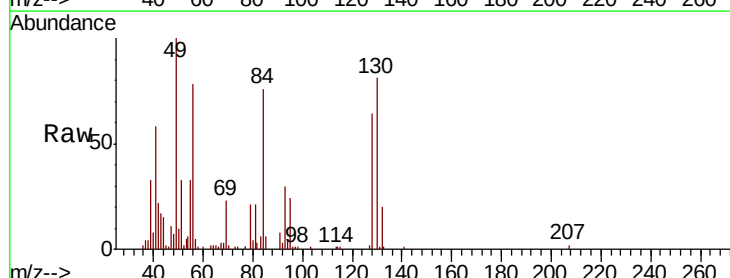
MMDadoda  
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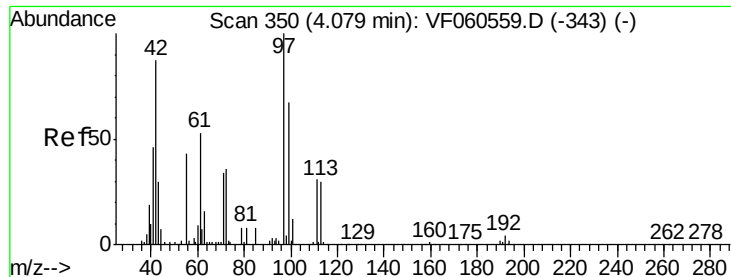


#28

Bromochloromethane  
Concen: 21.656 ug/l  
RT: 3.72 min Scan# 314  
Delta R.T. 0.01 min  
Lab File: VF060593.D  
Acq: 6 Nov 2018 3:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 0.0   | 0.0   | 4.6   |
| 130     | 81.1  | 61.8  | 92.8  |





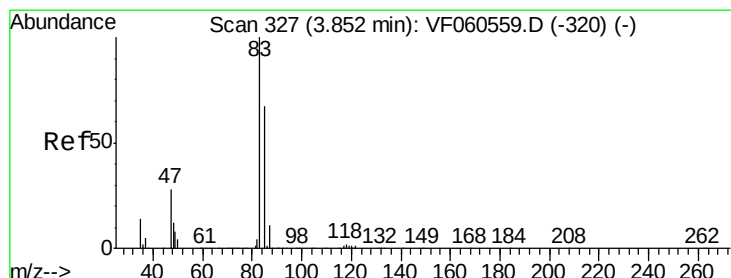
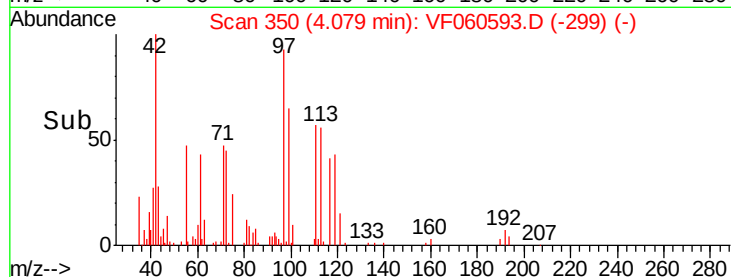
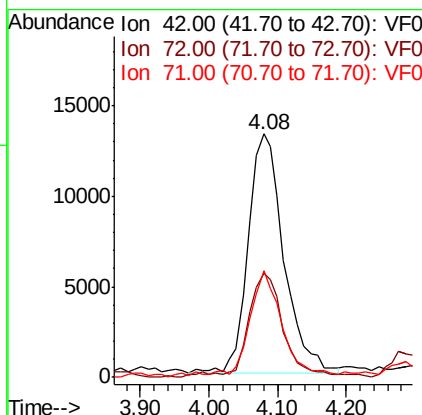
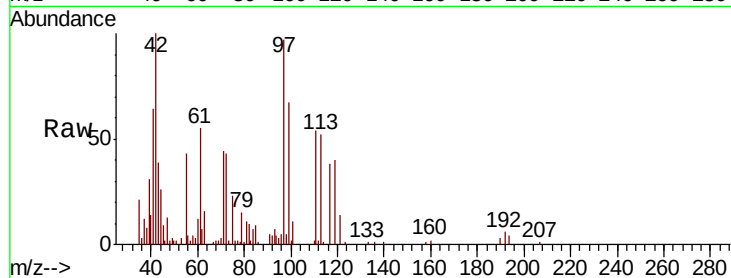
#29  
Tetrahydrofuran  
Concen: 98.015 ug/l  
RT: 4.08 min Scan# 350  
Delta R.T. 0.00 min  
Lab File: VF060593.D  
Acq: 6 Nov 2018 3:51

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF1105SBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 39.2  | 31.4  | 47.0  |
| 71      | 41.6  | 31.8  | 47.6  |

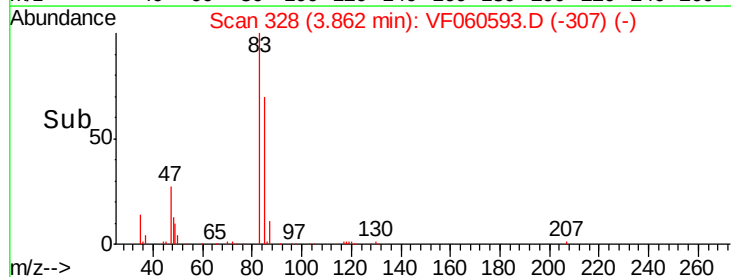
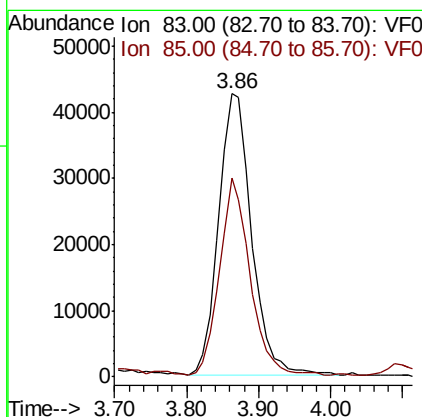
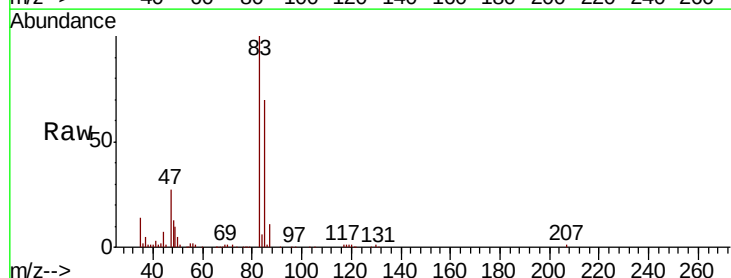
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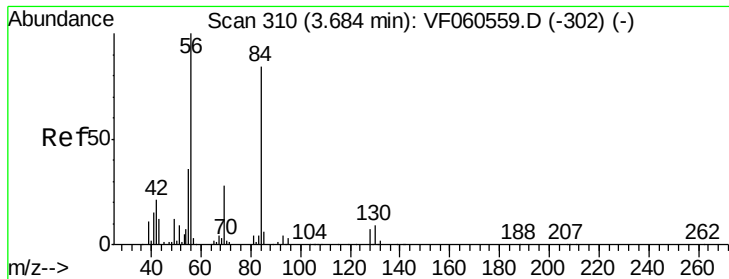
MMDadoda  
11/6/2018 12:53:54 PM



#30  
Chloroform  
Concen: 22.791 ug/l  
RT: 3.86 min Scan# 328  
Delta R.T. 0.01 min  
Lab File: VF060593.D  
Acq: 6 Nov 2018 3:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 70.1  | 53.7  | 80.5  |





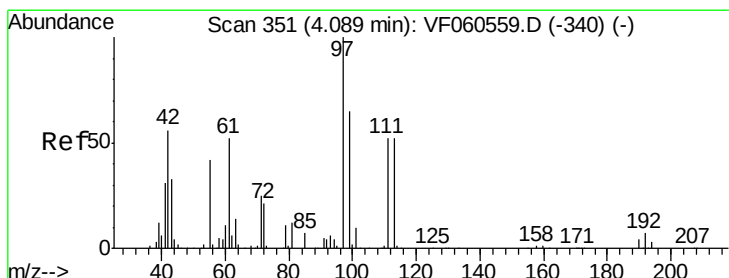
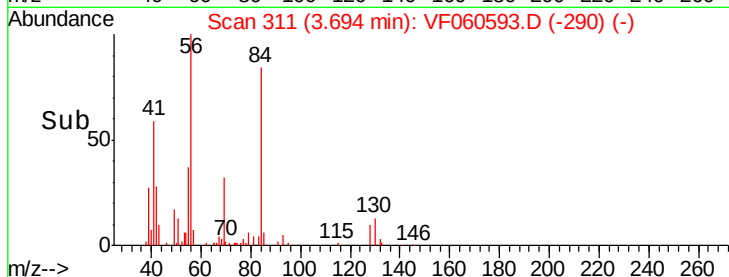
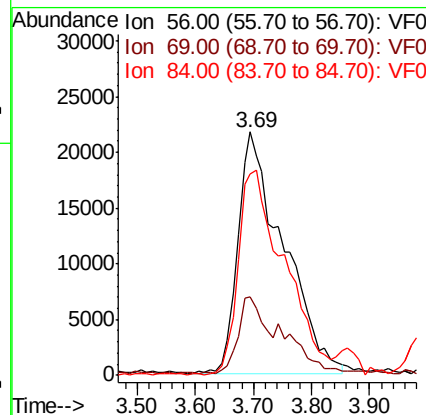
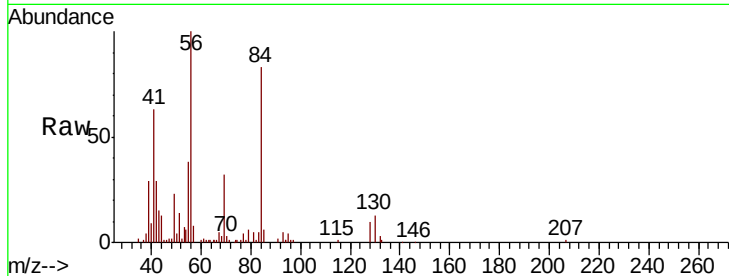
#31  
Cyclohexane  
Concen: 22.766 ug/l  
RT: 3.69 min Scan# 311  
Delta R.T. 0.01 min  
Lab File: VF060593.D  
Acq: 6 Nov 2018 3:51

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF1105SBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 32.1  | 23.0  | 34.4  |
| 84      | 82.9  | 67.1  | 100.7 |

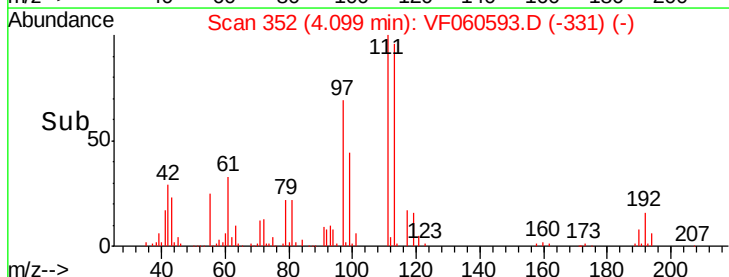
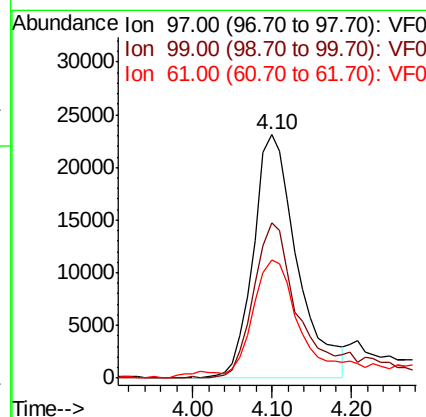
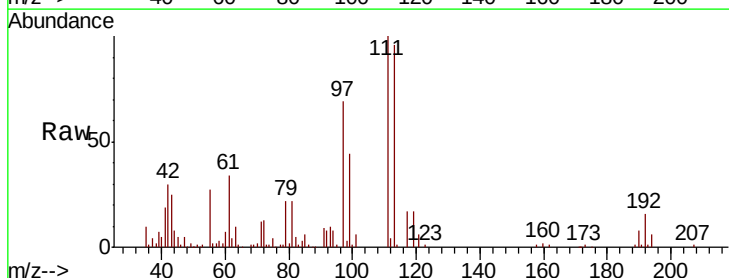
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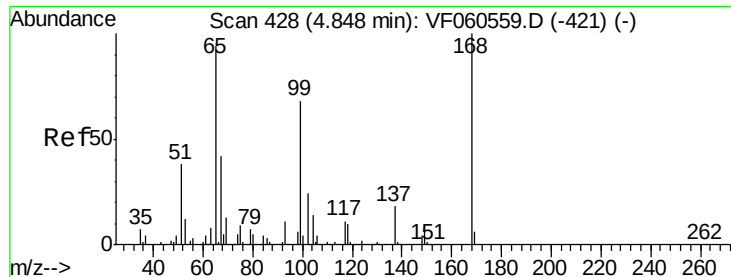
MMDadoda  
11/6/2018 12:53:54 PM



#32  
1,1,1-Trichloroethane  
Concen: 21.432 ug/l  
RT: 4.10 min Scan# 352  
Delta R.T. 0.01 min  
Lab File: VF060593.D  
Acq: 6 Nov 2018 3:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 63.7  | 52.4  | 78.6  |
| 61      | 48.4  | 41.5  | 62.3  |





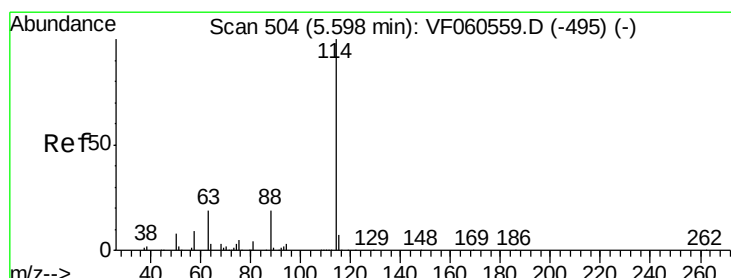
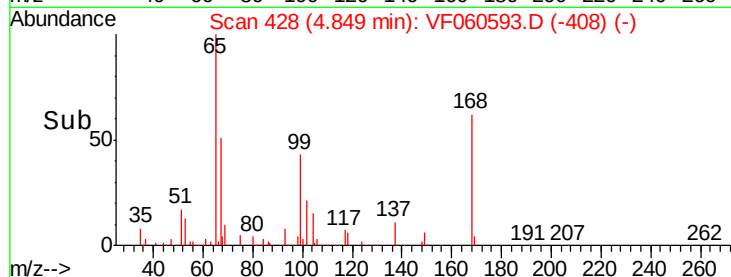
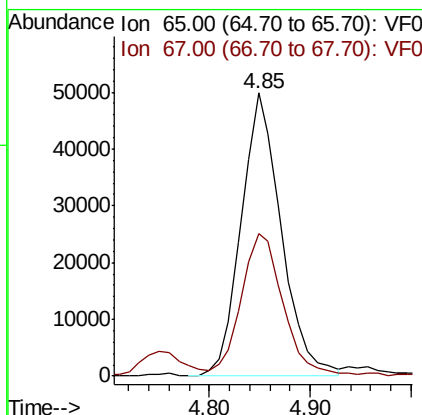
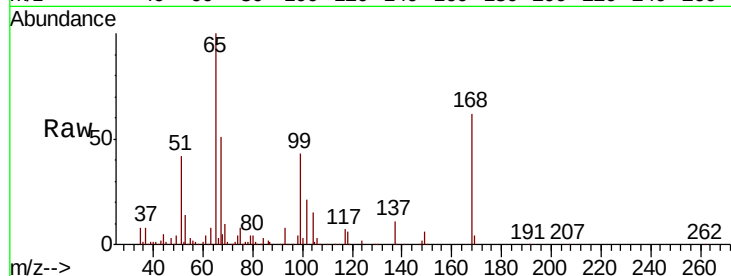
#33  
 1,2-Dichloroethane-d4  
 Concen: 52.886 ug/l  
 RT: 4.85 min Scan# 428  
 Delta R.T. 0.00 min  
 Lab File: VF060593.D  
 Acq: 6 Nov 2018 3:51

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF1105SBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 50.5  | 0.0   | 101.8 |

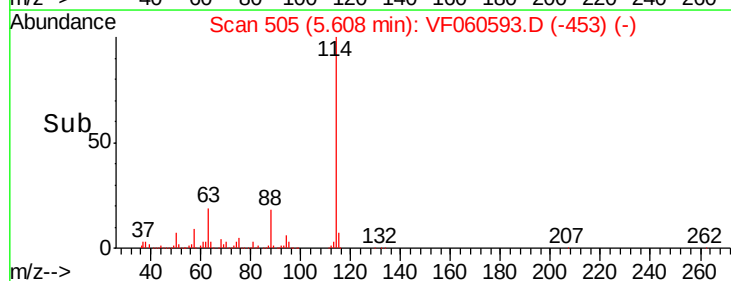
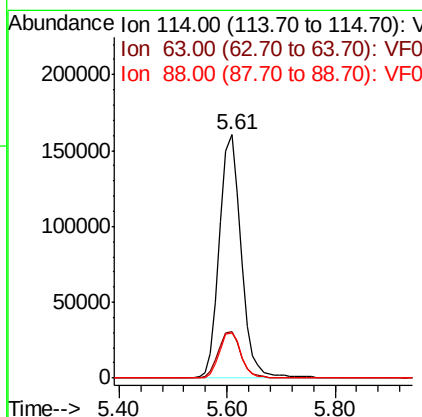
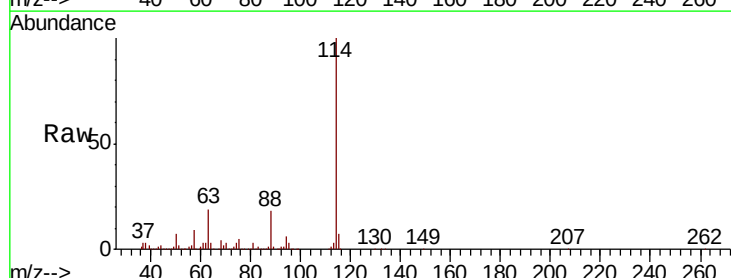
Manual Integrations  
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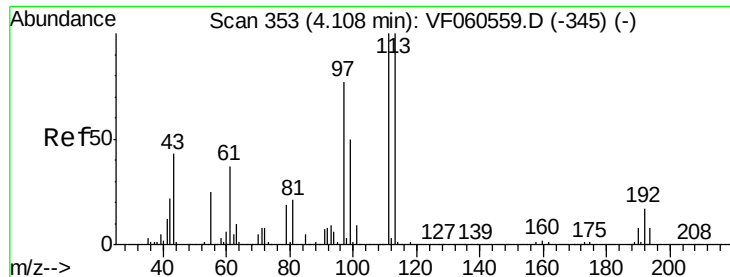
MMDadoda  
 11/6/2018 12:53:54 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.61 min Scan# 505  
 Delta R.T. 0.01 min  
 Lab File: VF060593.D  
 Acq: 6 Nov 2018 3:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 19.0  | 0.0   | 39.0  |
| 88      | 18.3  | 0.0   | 38.2  |





#35

Dibromofluoromethane

Concen: 50.269 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.01 min

Lab File: VF060593.D

Acq: 6 Nov 2018 3:51

Instrument :

MSVOA\_F

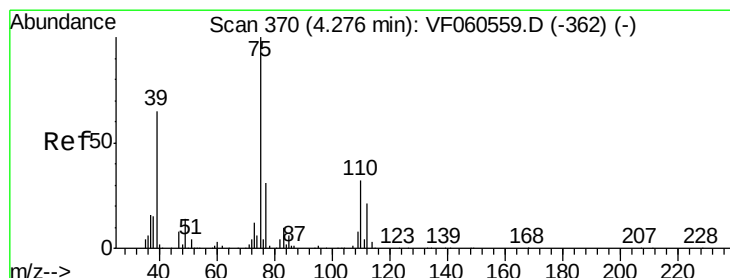
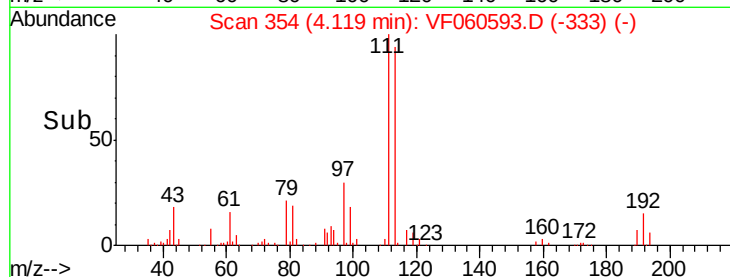
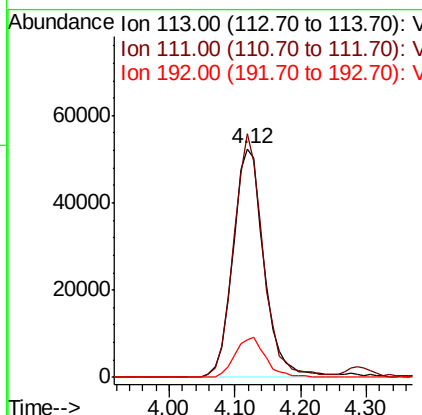
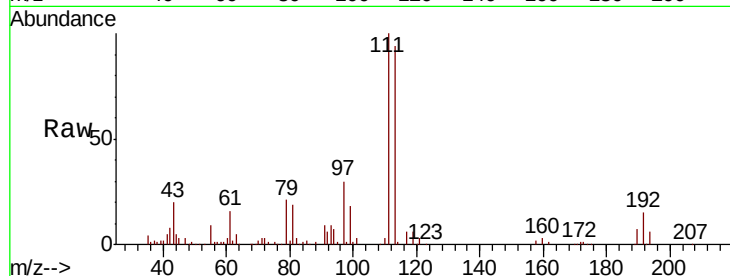
ClientSampleId :

VF1105SBS02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 174247 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 106.4 | 79.9  | 119.9  |
| 192       | 16.5  | 13.3  | 19.9   |

Manual Integrations  
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11/6/2018 12:53:54 PM



#36

1,1-Dichloropropene

Concen: 20.803 ug/l

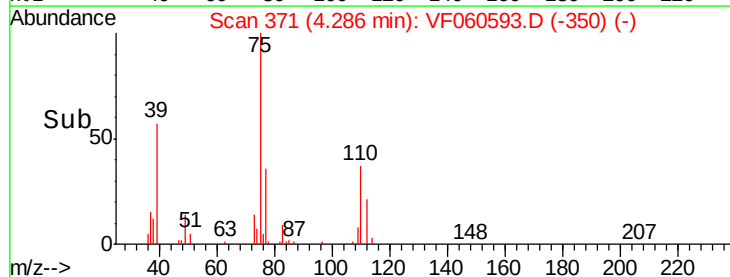
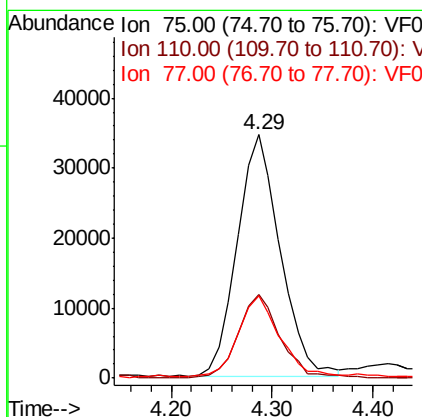
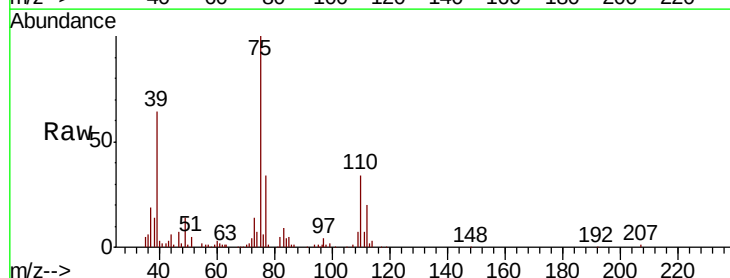
RT: 4.29 min Scan# 371

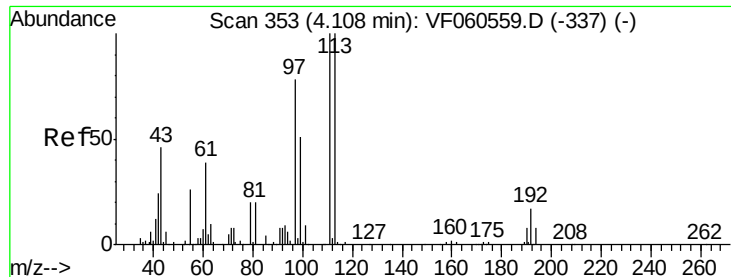
Delta R.T. 0.01 min

Lab File: VF060593.D

Acq: 6 Nov 2018 3:51

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 102765 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 110       | 34.3  | 16.2  | 48.6   |
| 77        | 33.7  | 25.0  | 37.6   |





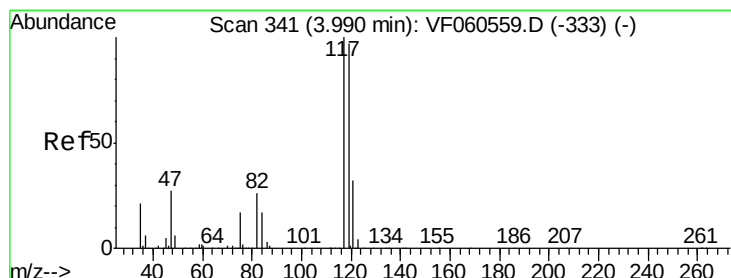
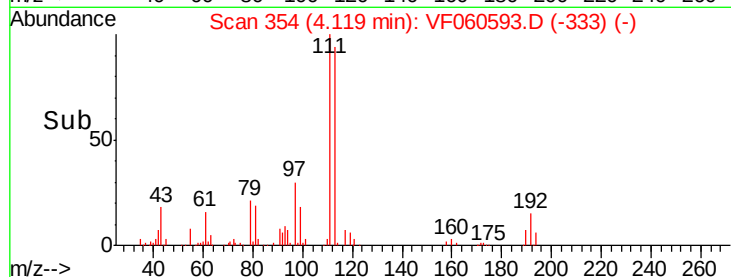
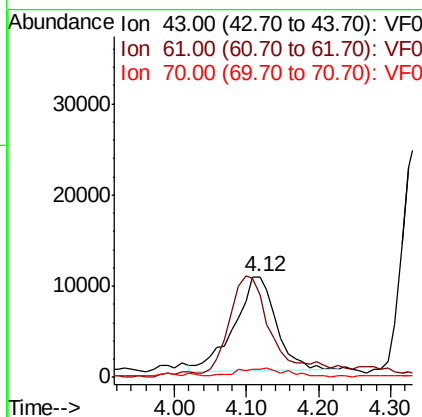
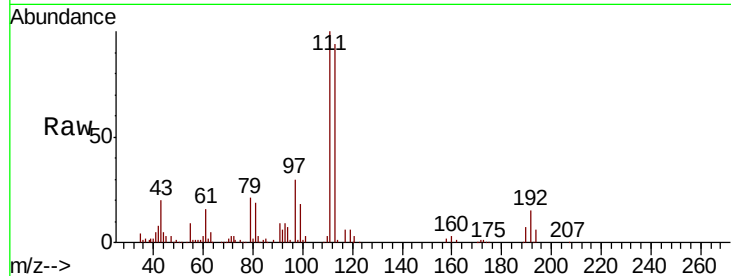
#37  
Ethyl Acetate  
Concen: 17.579 ug/l  
RT: 4.12 min Scan# 354  
Delta R.T. 0.01 min  
Lab File: VF060593.D  
Acq: 6 Nov 2018 3:51

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF1105SBSD02

| Tot Ion | 43 | Ratio | 100 | Resp: | 41687 |
|---------|----|-------|-----|-------|-------|
| Ion     | 43 | 100   |     | Lower | Upper |
|         | 61 | 81.6  |     | 63.4  | 95.2  |
|         | 70 | 8.1   |     | 9.3   | 13.9# |

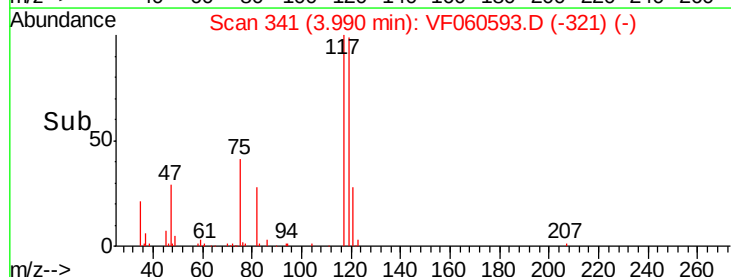
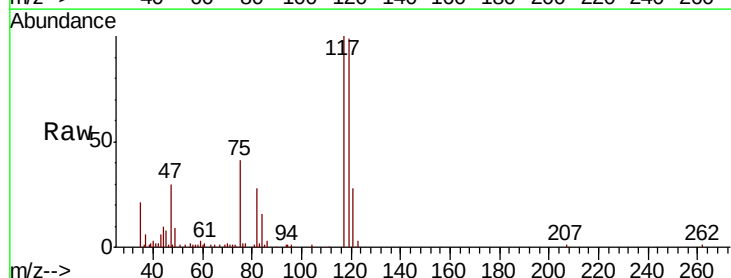
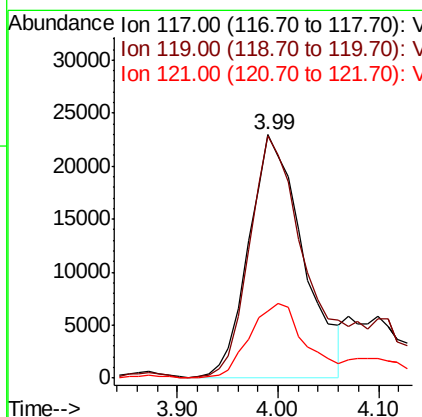
Manual Integrations  
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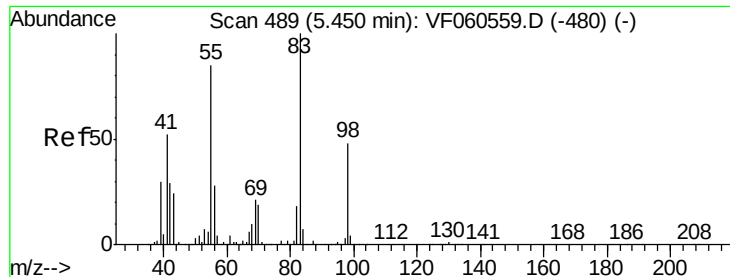


#38  
Carbon Tetrachloride  
Concen: 20.401 ug/l  
RT: 3.99 min Scan# 341  
Delta R.T. 0.00 min  
Lab File: VF060593.D  
Acq: 6 Nov 2018 3:51

| Tgt Ion | 117 | Ratio | 100 | Resp: | 86118 |
|---------|-----|-------|-----|-------|-------|
| Ion     | 117 | 100   |     | Lower | Upper |
|         | 119 | 99.3  |     | 77.8  | 116.6 |
|         | 121 | 27.7  |     | 25.6  | 38.4  |







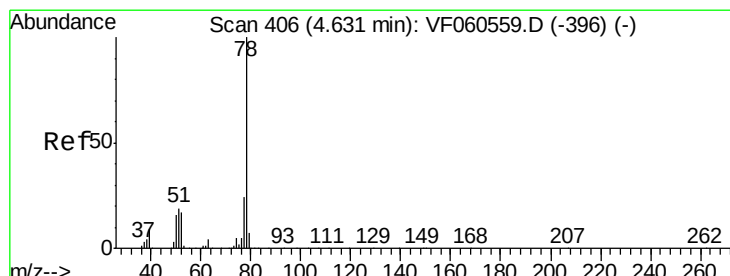
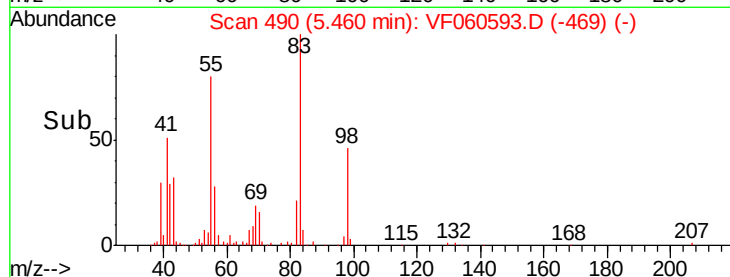
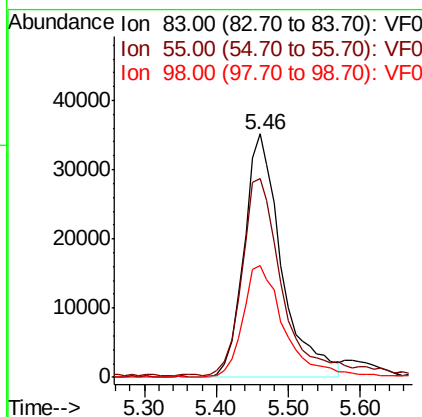
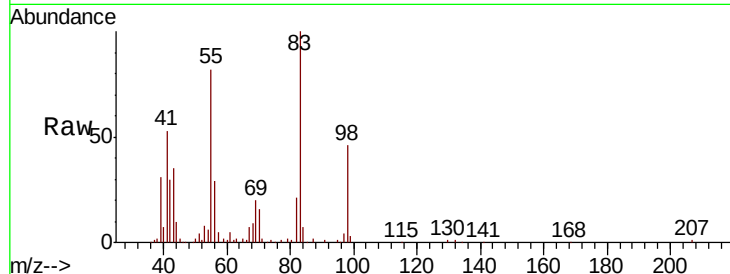
#39  
Methylvlcyclohexane  
Concen: 21.261 ug/l  
RT: 5.46 min Scan# 490  
Delta R.T. 0.01 min  
Lab File: VF060593.D  
Acq: 6 Nov 2018 3:51

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF1105SBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 81.5  | 69.1  | 103.7 |
| 98      | 45.9  | 38.6  | 57.8  |

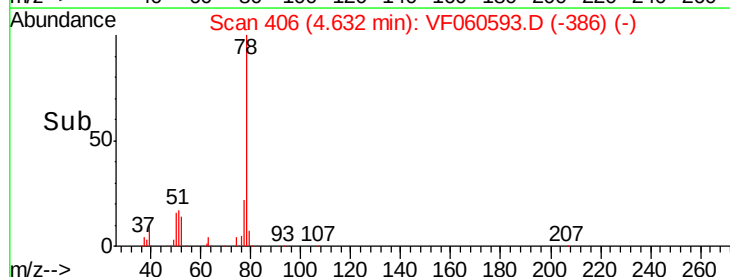
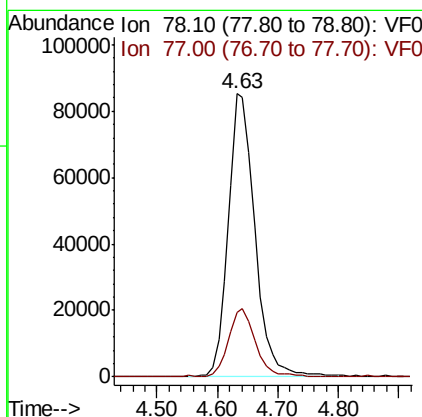
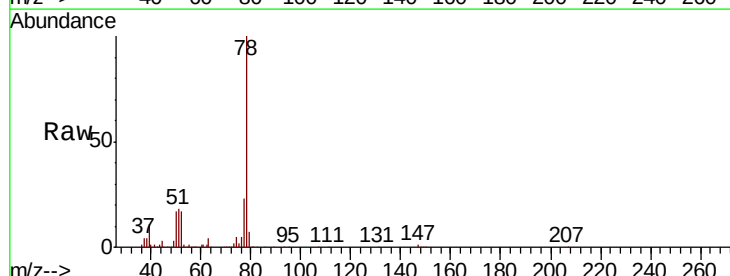
Manual Integrations  
APPROVED

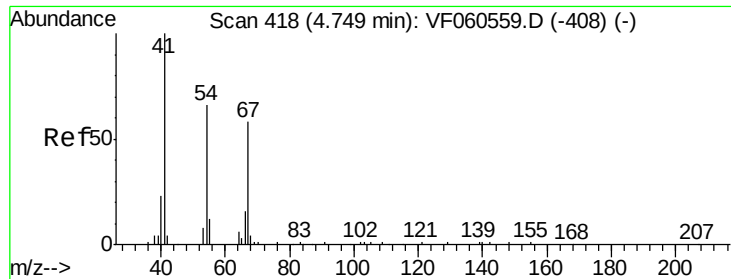
MMDadoda  
11/6/2018 12:53:54 PM



#40  
Benzene  
Concen: 21.777 ug/l  
RT: 4.63 min Scan# 406  
Delta R.T. 0.00 min  
Lab File: VF060593.D  
Acq: 6 Nov 2018 3:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 22.8  | 19.3  | 28.9  |





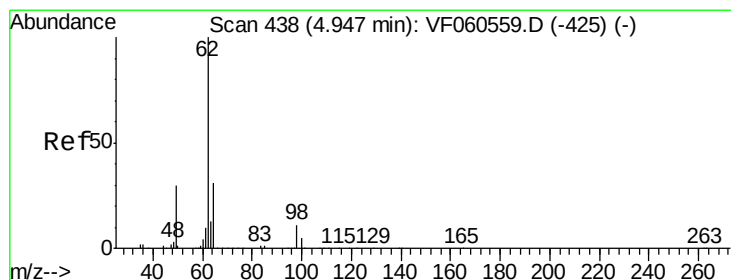
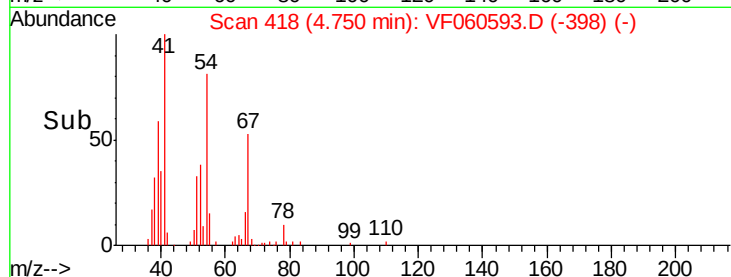
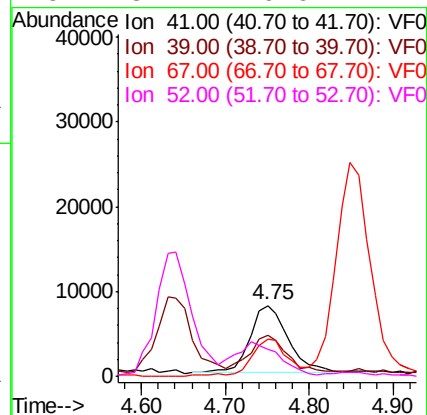
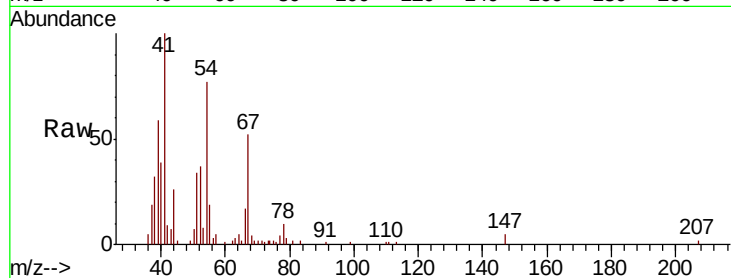
#41  
Methacrylonitrile  
Concen: 18.486 ug/l  
RT: 4.75 min Scan# 418  
Delta R.T. 0.00 min  
Lab File: VF060593.D  
Acq: 6 Nov 2018 3:51

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF1105SBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 58.7  | 45.6  | 68.4  |
| 67      | 51.8  | 45.3  | 67.9  |
| 52      | 37.2  | 29.6  | 44.4  |

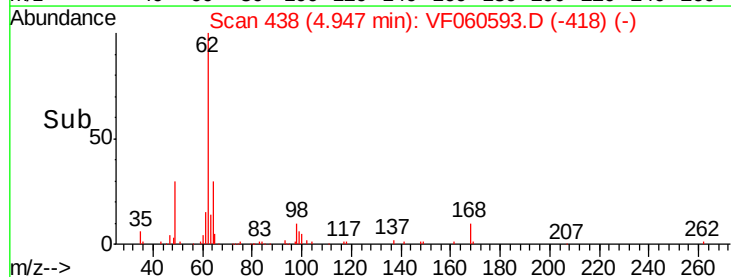
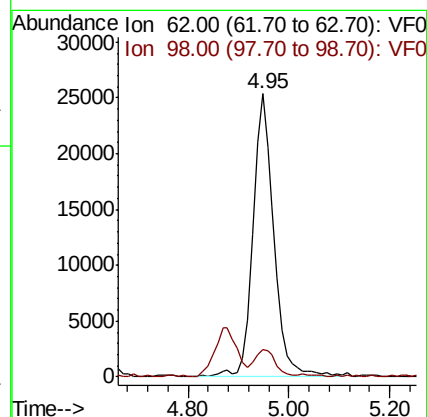
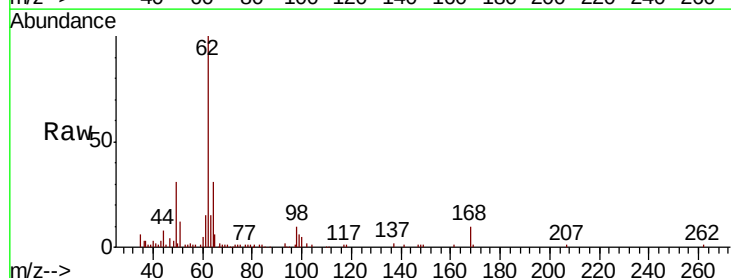
Manual Integrations  
APPROVED

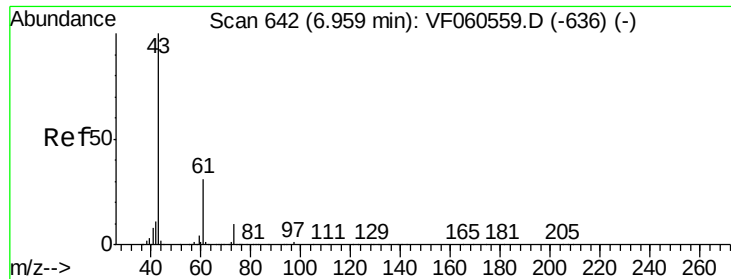
MMDadoda  
11/6/2018 12:53:54 PM



#42  
1,2-Dichloroethane  
Concen: 21.354 ug/l  
RT: 4.95 min Scan# 438  
Delta R.T. 0.00 min  
Lab File: VF060593.D  
Acq: 6 Nov 2018 3:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 9.9   | 0.0   | 22.4  |





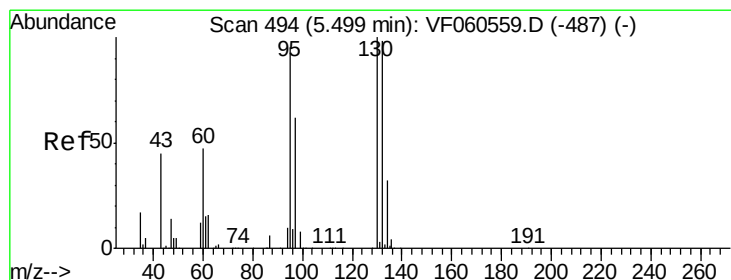
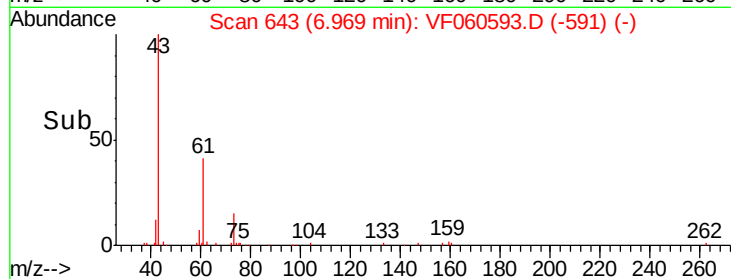
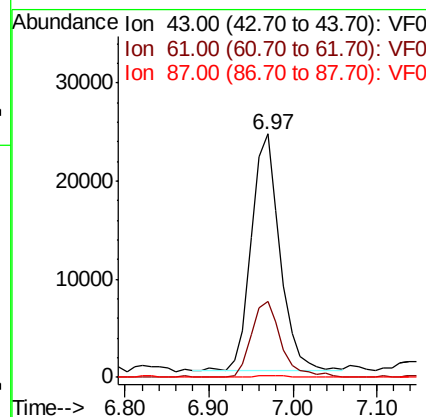
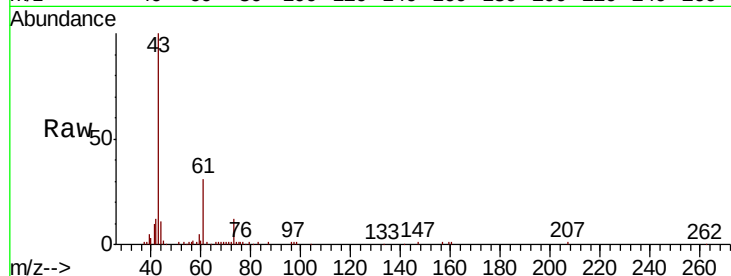
#43  
Isopropyl Acetate  
Concen: 19.038 ug/l  
RT: 6.97 min Scan# 643  
Delta R.T. 0.01 min  
Lab File: VF060593.D  
Acq: 6 Nov 2018 3:51

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF1105SBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 31.1  | 24.2  | 36.2  |
| 87      | 0.5   | 0.2   | 0.4   |

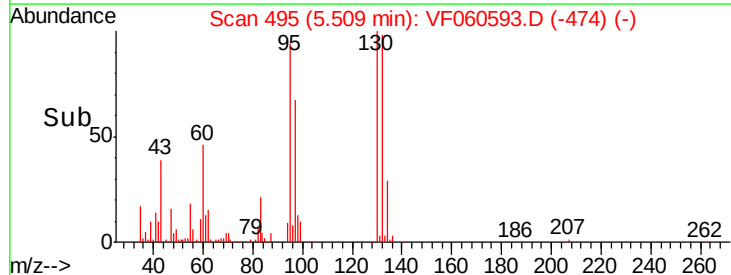
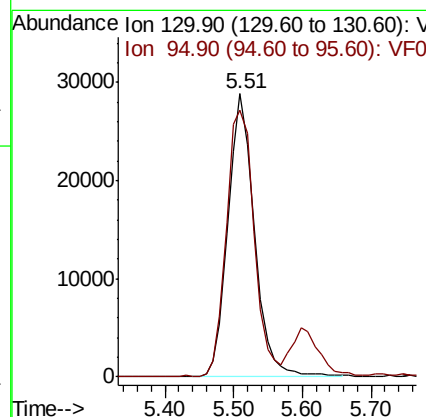
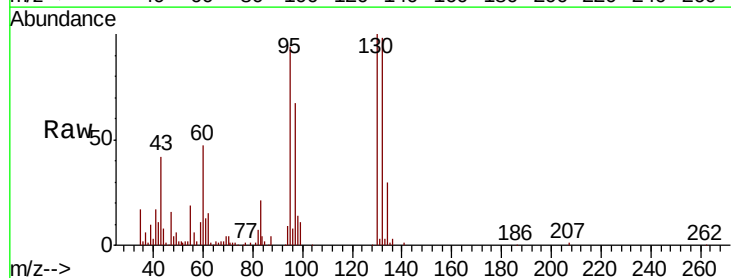
Manual Integrations  
APPROVED

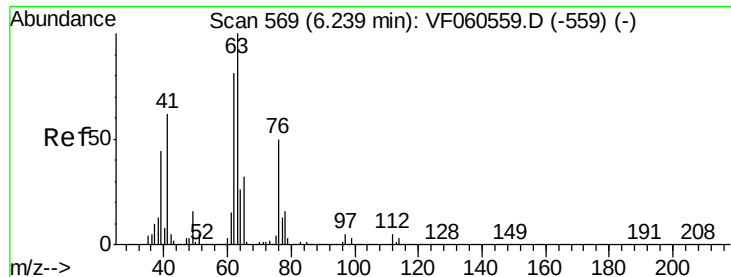
MMDadoda  
11/6/2018 12:53:54 PM



#44  
Trichloroethene  
Concen: 21.388 ug/l  
RT: 5.51 min Scan# 495  
Delta R.T. 0.01 min  
Lab File: VF060593.D  
Acq: 6 Nov 2018 3:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 94.3  | 0.0   | 191.0 |





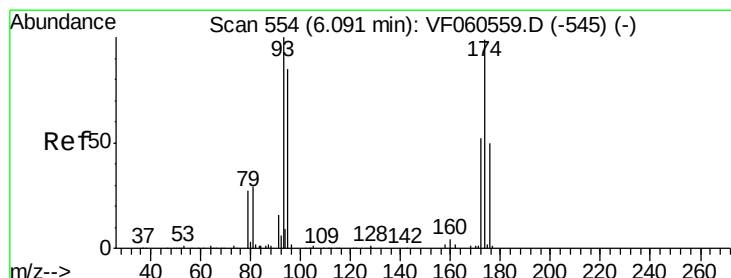
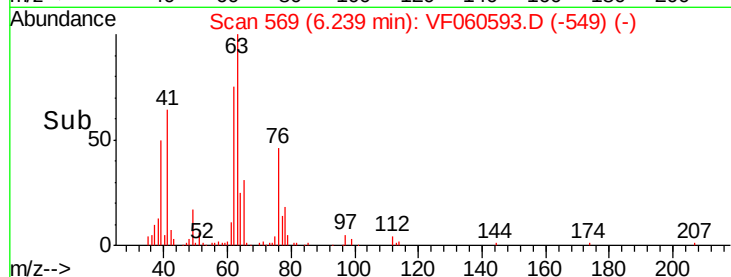
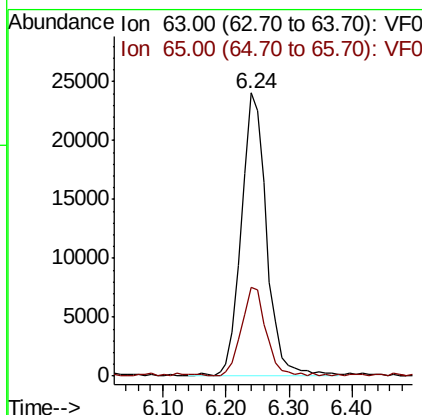
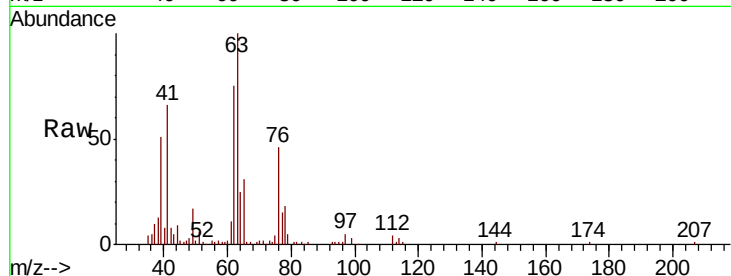
#45  
 1,2-Dichloropropane  
 Concen: 21.846 ug/l  
 RT: 6.24 min Scan# 569  
 Delta R.T. 0.00 min  
 Lab File: VF060593.D  
 Acq: 6 Nov 2018 3:51

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF1105SBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 31.3  | 25.4  | 38.0  |

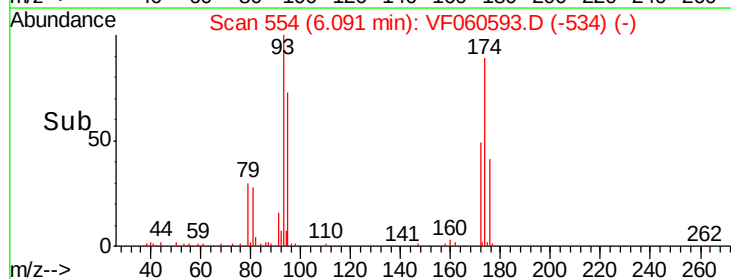
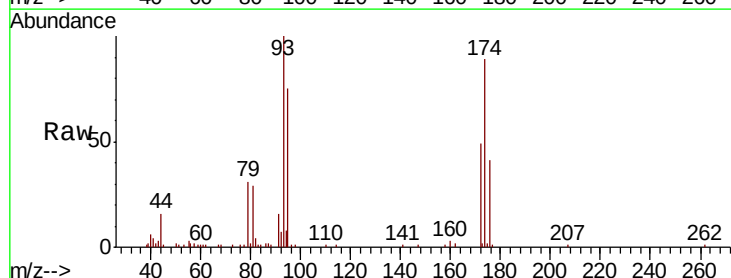
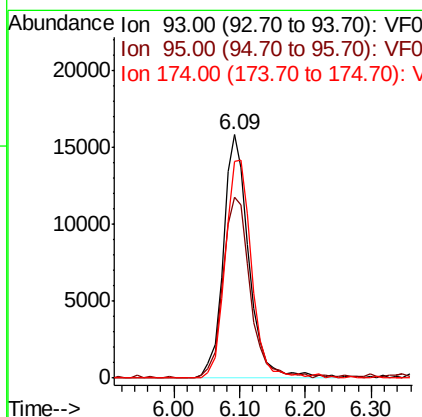
Manual Integrations  
 APPROVED

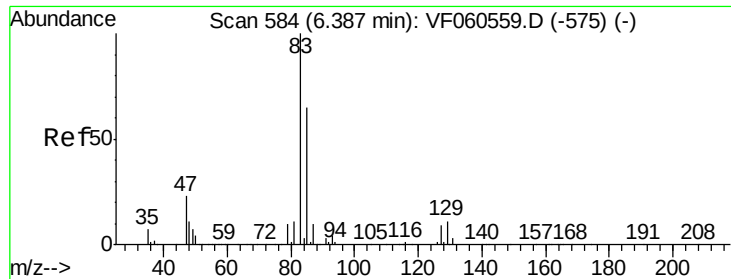
MMDadoda  
 11/6/2018 12:53:54 PM



#46  
 Dibromomethane  
 Concen: 21.987 ug/l  
 RT: 6.09 min Scan# 554  
 Delta R.T. 0.00 min  
 Lab File: VF060593.D  
 Acq: 6 Nov 2018 3:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 74.5  | 68.6  | 102.8 |
| 174     | 89.2  | 79.0  | 118.4 |





#47

Bromodichloromethane

Concen: 22.139 ug/l

RT: 6.39 min Scan# 584

Delta R.T. 0.00 min

Lab File: VF060593.D

Acq: 6 Nov 2018 3:51

Instrument :

MSVOA\_F

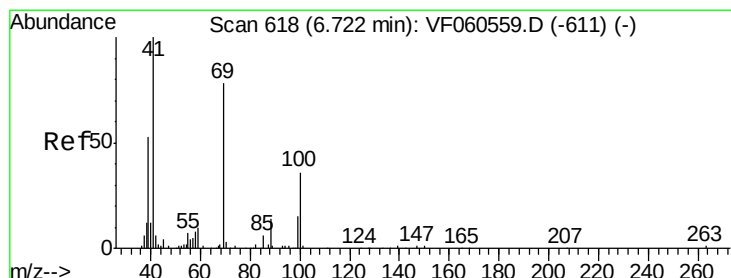
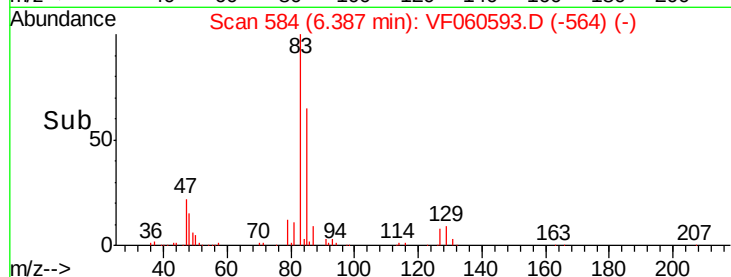
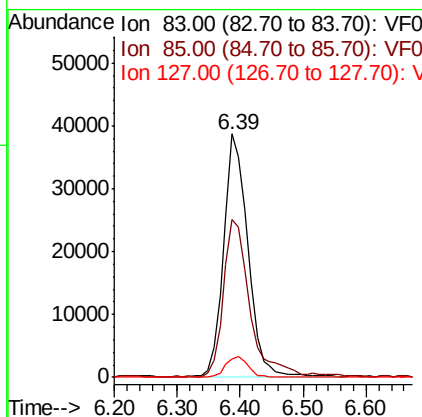
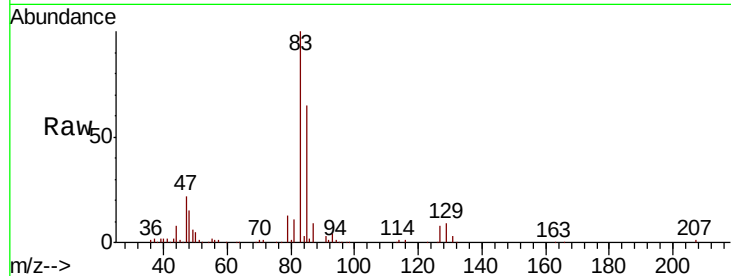
ClientSampleId :

VF1105SBS02

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 103892 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 64.6  | 51.8  | 77.6   |
| 127      | 7.7   | 7.0   | 10.4   |

Manual Integrations  
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11/6/2018 12:53:54 PM



#48

Methyl methacrylate

Concen: 20.011 ug/l

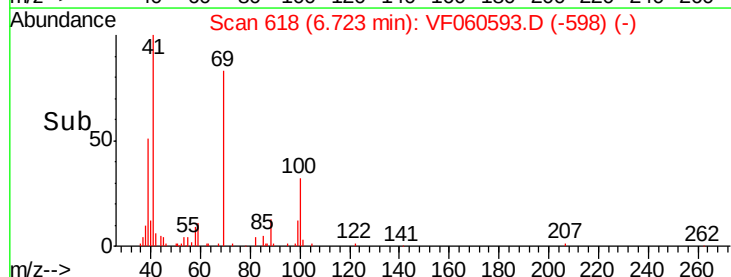
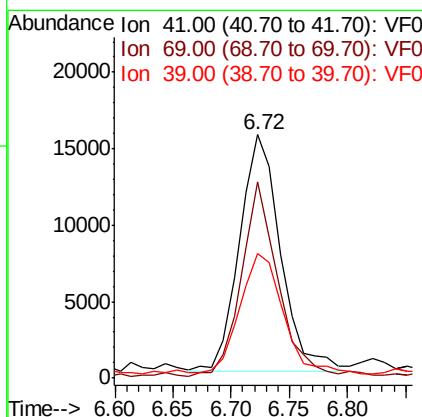
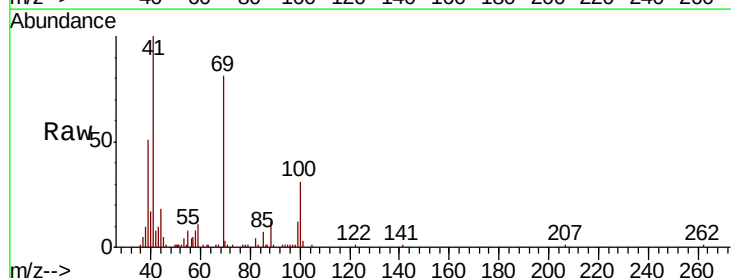
RT: 6.72 min Scan# 618

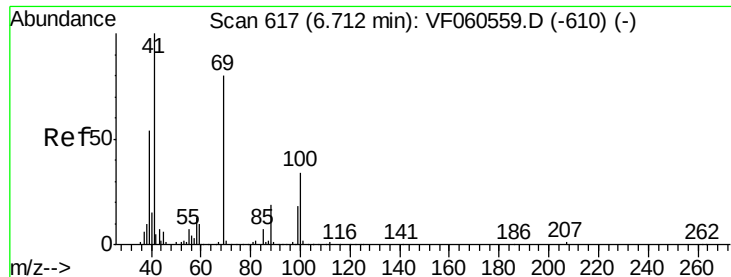
Delta R.T. 0.00 min

Lab File: VF060593.D

Acq: 6 Nov 2018 3:51

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 37725 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 80.7  | 61.1  | 91.7  |
| 39       | 51.4  | 43.0  | 64.6  |





#49

1,4-Dioxane

Concen: 371.986 ug/l

RT: 6.71 min Scan# 617

Delta R.T. 0.00 min

Lab File: VF060593.D

Acq: 6 Nov 2018 3:51

Instrument :

MSVOA\_F

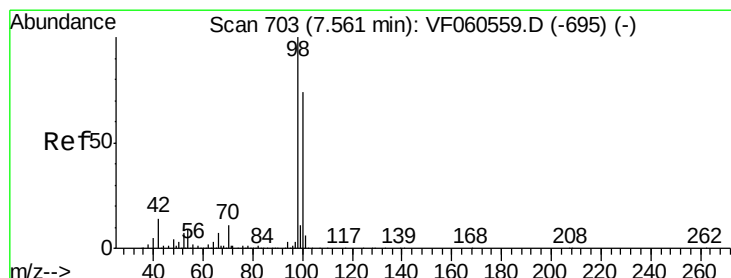
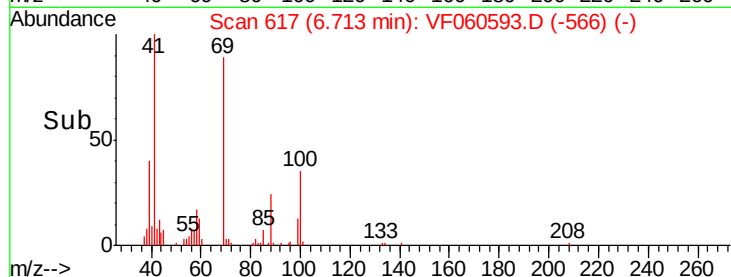
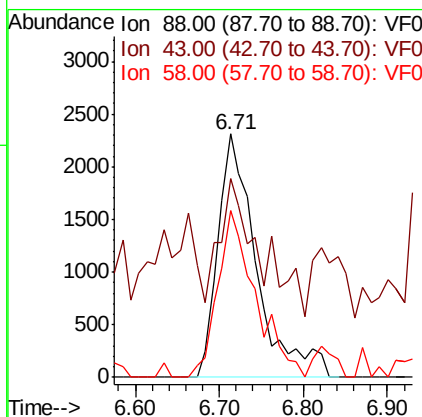
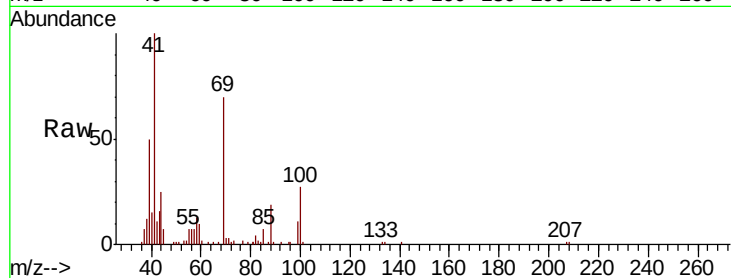
ClientSampleId :

VF1105SBSD02

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 88    | Resp: | 7336  |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 43       | 81.6  | 61.2  | 91.8  |
| 58       | 68.4  | 56.9  | 85.3  |

Manual Integrations  
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#50

Toluene-d8

Concen: 51.190 ug/l

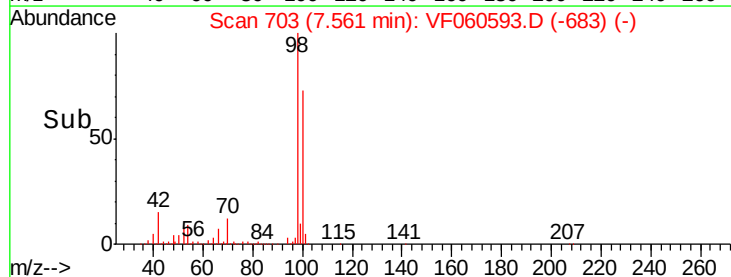
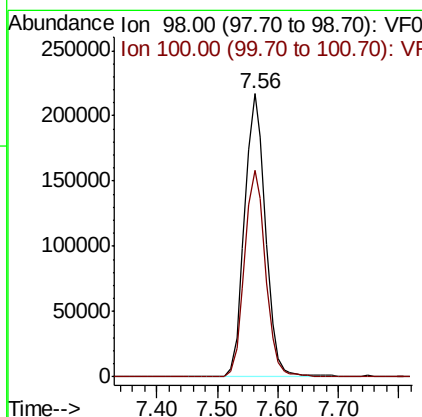
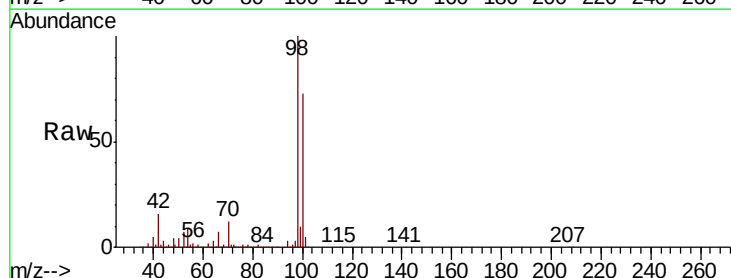
RT: 7.56 min Scan# 703

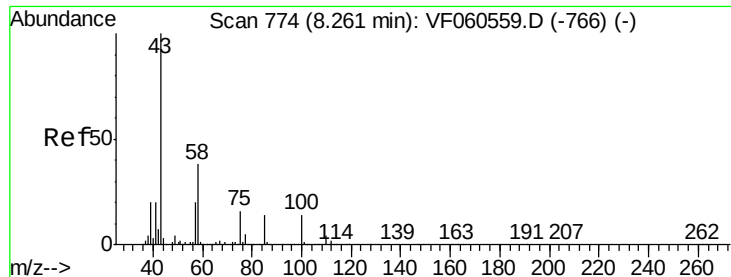
Delta R.T. 0.00 min

Lab File: VF060593.D

Acq: 6 Nov 2018 3:51

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 525633 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 73.0  | 59.4  | 89.2   |





#51

4-Methyl-2-Pentanone

Concen: 105.273 ug/l

RT: 8.26 min Scan# 774

Delta R.T. 0.00 min

Lab File: VF060593.D

Acq: 6 Nov 2018 3:51

Instrument :

MSVOA\_F

ClientSampleId :

VF1105SBS02

Tot Ion: 43 Resp: 212350

Ion Ratio Lower Upper

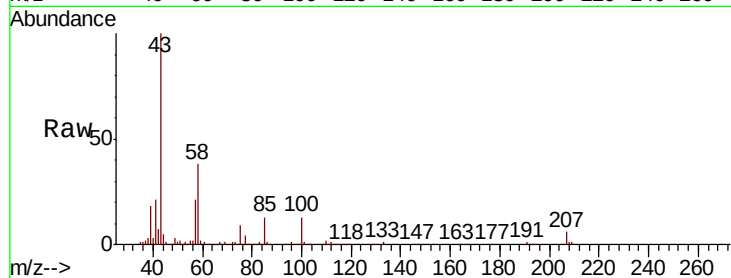
43 100

58 37.9 30.1 45.1

Manual Integrations  
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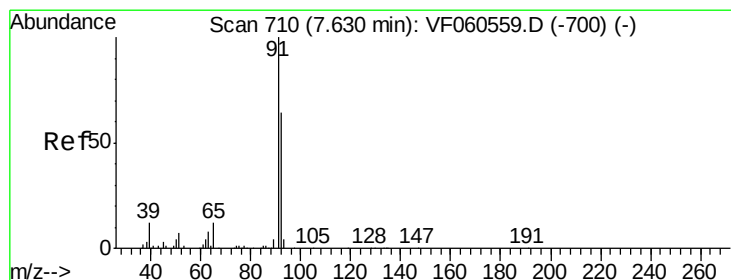
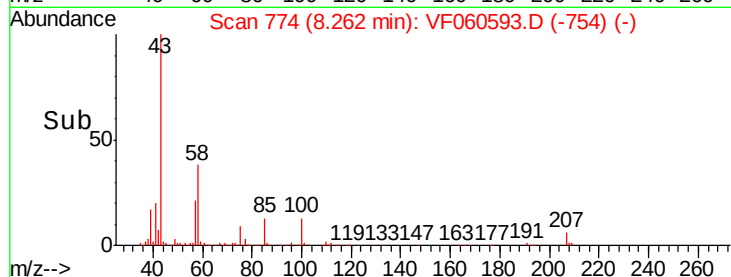
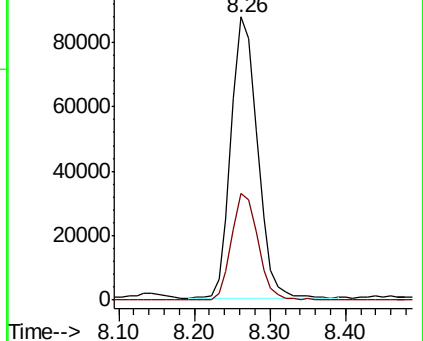
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 19.981 ug/l

RT: 7.63 min Scan# 710

Delta R.T. 0.00 min

Lab File: VF060593.D

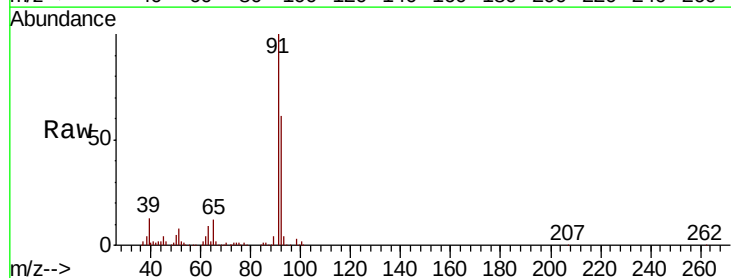
Acq: 6 Nov 2018 3:51

Tgt Ion: 92 Resp: 156076

Ion Ratio Lower Upper

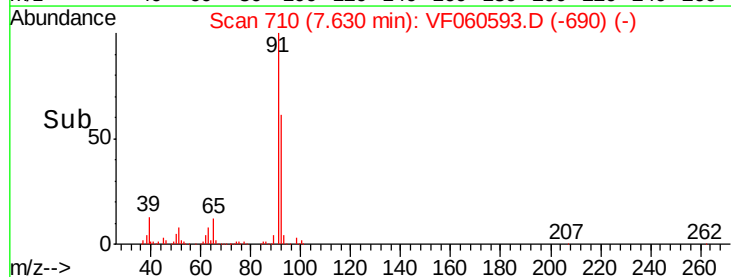
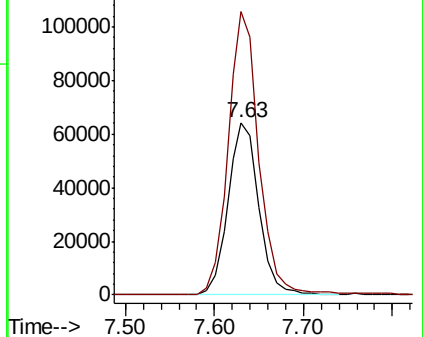
92 100

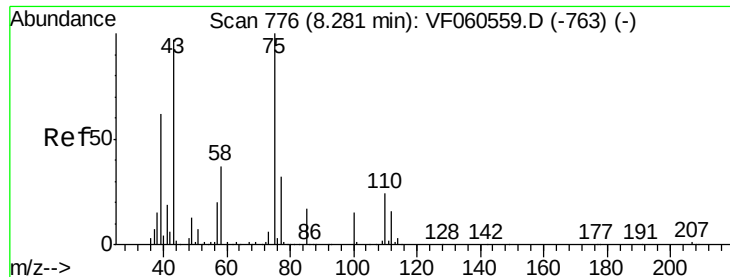
91 164.2 124.5 186.7



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 19.829 ug/l

RT: 8.28 min Scan# 776

Delta R.T. 0.00 min

Lab File: VF060593.D

Acq: 6 Nov 2018 3:51

Instrument :

MSVOA\_F

ClientSampleId :

VF1105SBS02

Tot Ion: 75 Resp: 80877

Ion Ratio Lower Upper

75 100

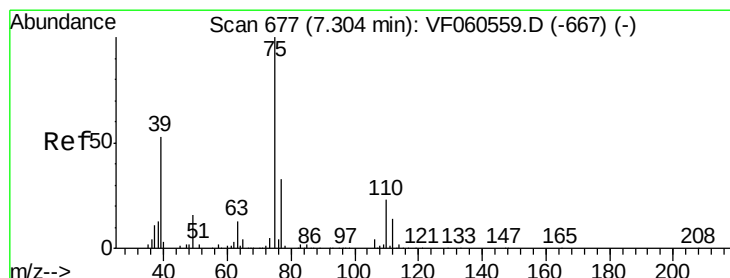
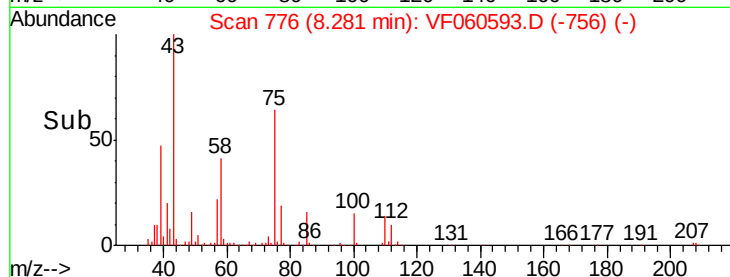
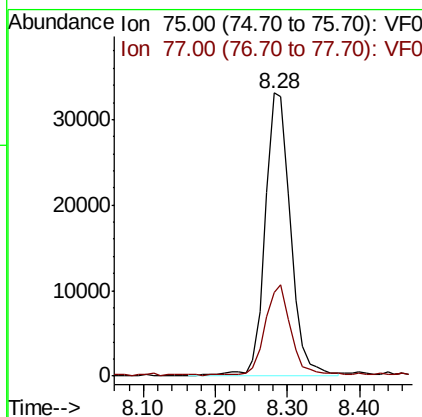
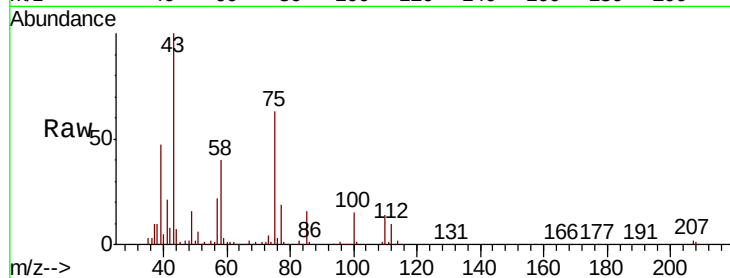
77 29.4 25.7 38.5

Manual Integrations

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11/6/2018 12:53:54 PM



#54

cis-1,3-Dichloropropene

Concen: 20.524 ug/l

RT: 7.30 min Scan# 677

Delta R.T. 0.00 min

Lab File: VF060593.D

Acq: 6 Nov 2018 3:51

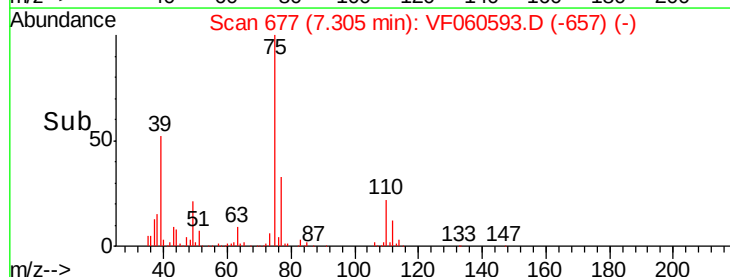
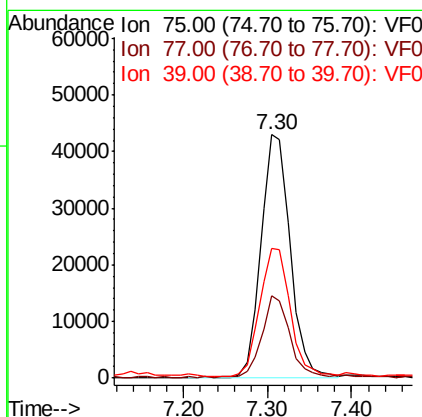
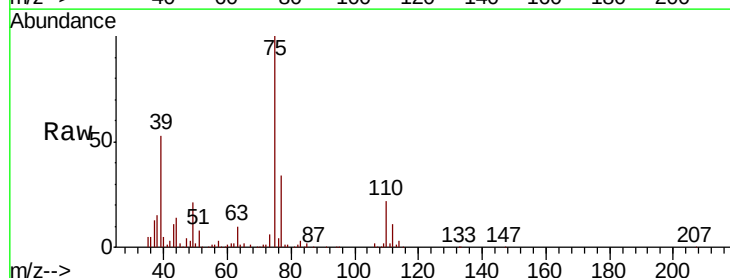
Tgt Ion: 75 Resp: 105766

Ion Ratio Lower Upper

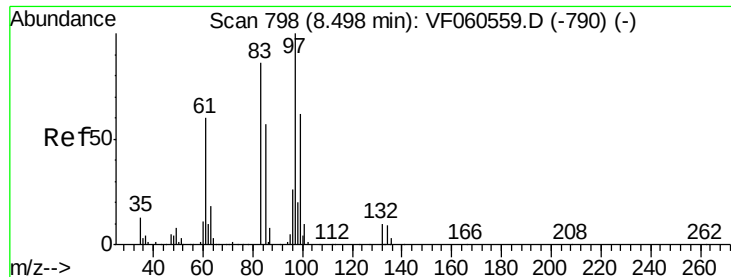
75 100

77 33.9 26.7 40.1

39 53.1 43.0 64.4







#55

1,1,2-Trichloroethane

Concen: 19.758 ug/l

RT: 8.50 min Scan# 798

Delta R.T. 0.00 min

Lab File: VF060593.D

Acq: 6 Nov 2018 3:51

Instrument :

MSVOA\_F

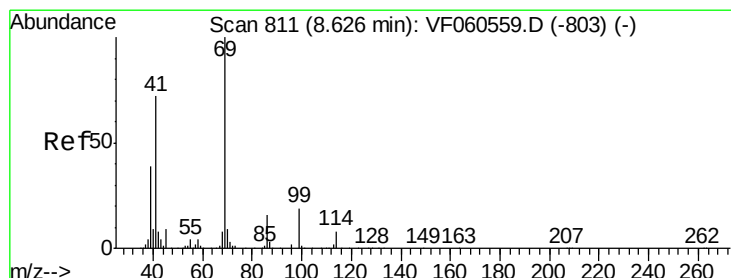
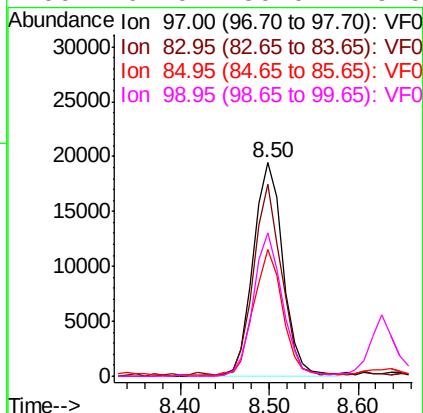
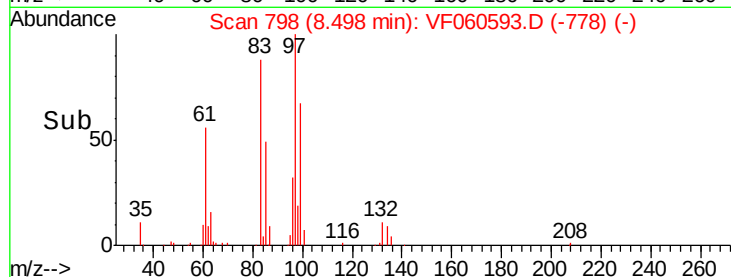
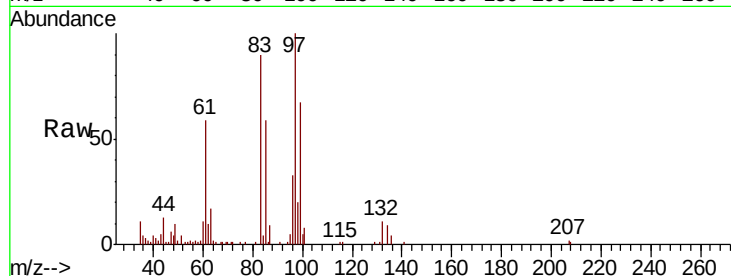
ClientSampleId :

VF1105SBS02

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 44911 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 89.9  | 69.4  | 104.0 |
| 85       | 59.1  | 46.6  | 69.8  |
| 99       | 67.0  | 50.0  | 75.0  |

Manual Integrations  
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MMDadoda  
11/6/2018 12:53:54 PM



#56

Ethyl methacrylate

Concen: 20.088 ug/l

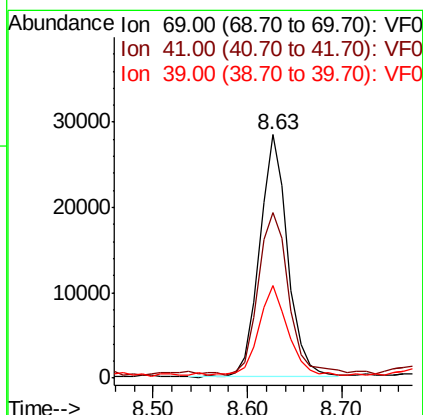
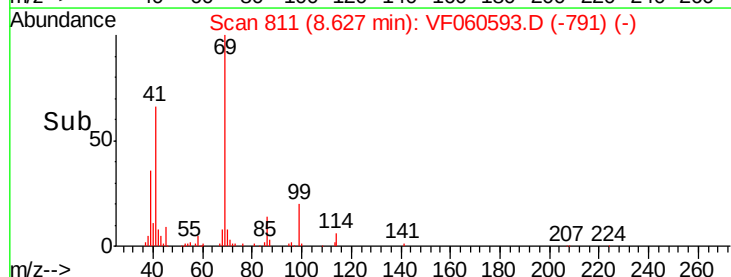
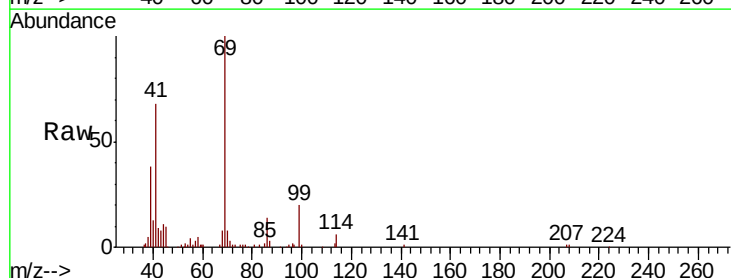
RT: 8.63 min Scan# 811

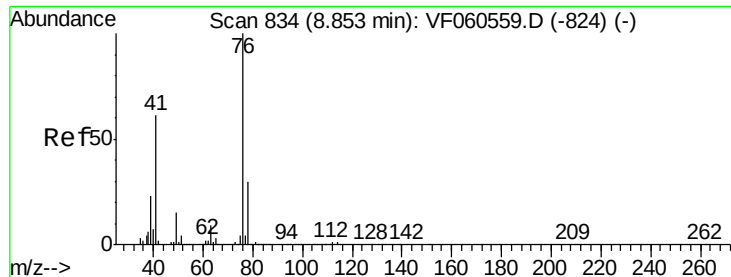
Delta R.T. 0.00 min

Lab File: VF060593.D

Acq: 6 Nov 2018 3:51

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 58748 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 67.9  | 59.2  | 88.8  |
| 39       | 38.0  | 32.3  | 48.5  |





#57

1,3-Dichloropropane

Concen: 20.415 ug/l

RT: 8.86 min Scan# 835

Delta R.T. 0.01 min

Lab File: VF060593.D

Acq: 6 Nov 2018 3:51

Instrument :

MSVOA\_F

ClientSampleId :

VF1105SBS02

Tot Ion: 76 Resp: 81423

Ion Ratio Lower Upper

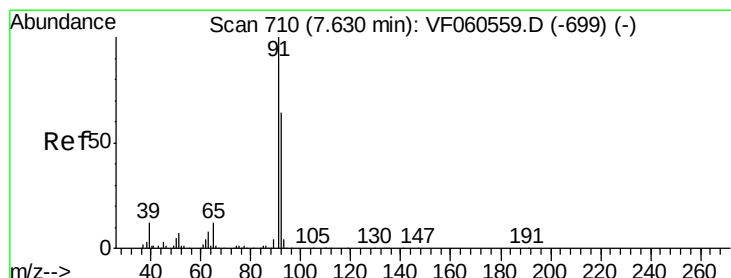
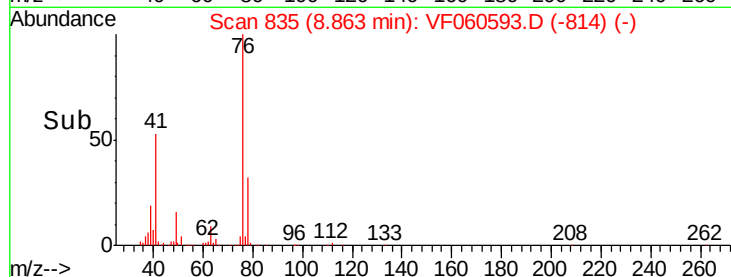
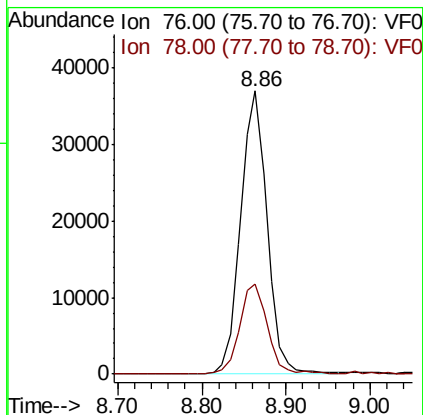
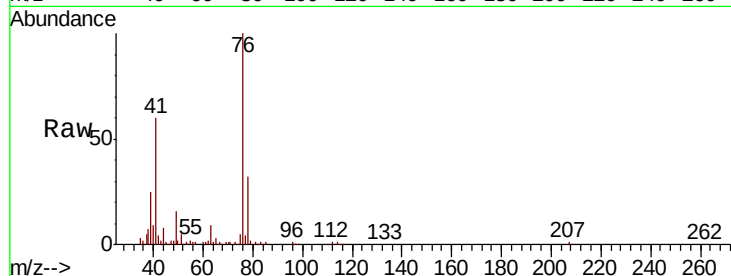
76 100

78 32.0 24.2 36.4

Manual Integrations  
APPROVED

MMDadoda

11/6/2018 12:53:54 PM



#58

2-Chloroethyl Vinyl ether

Concen: 107.674 ug/l

RT: 7.63 min Scan# 710

Delta R.T. 0.00 min

Lab File: VF060593.D

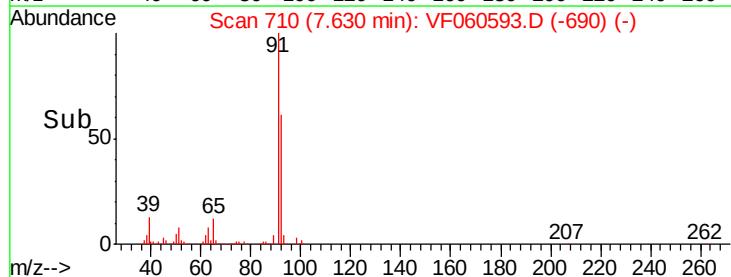
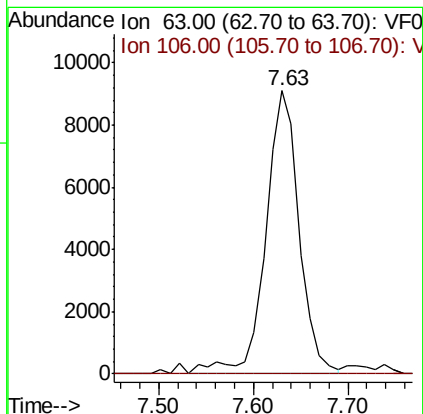
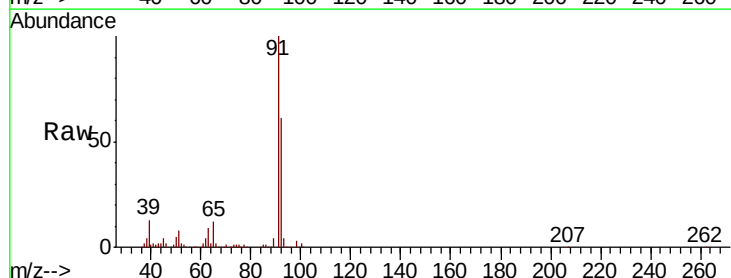
Acq: 6 Nov 2018 3:51

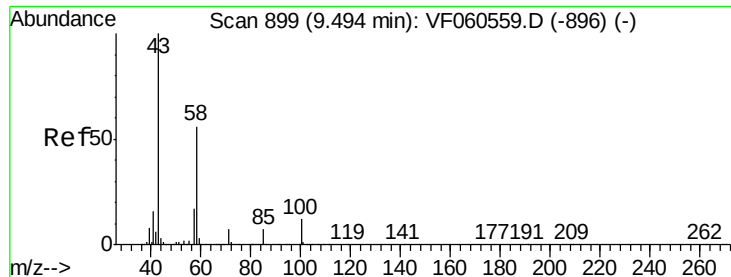
Tgt Ion: 63 Resp: 22364

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





#59

2-Hexanone

Concen: 92.215 ug/l

RT: 9.50 min Scan# 900

Delta R.T. 0.01 min

Lab File: VF060593.D

Acq: 6 Nov 2018 3:51

Instrument :

MSVOA\_F

ClientSampleId :

VF1105SBSD02

Tot Ion: 43 Resp: 144750

Ion Ratio Lower Upper

43 100

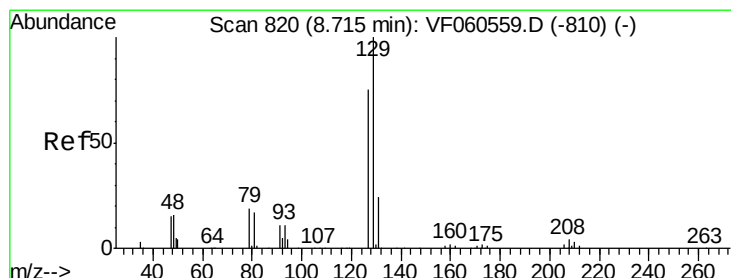
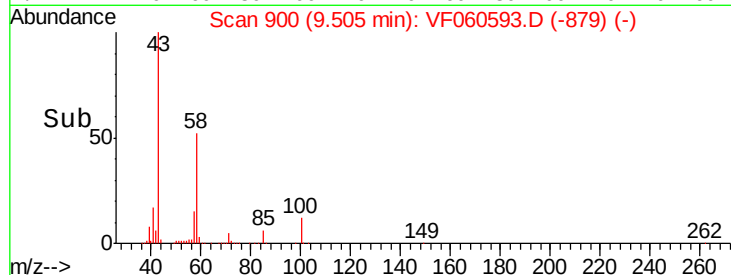
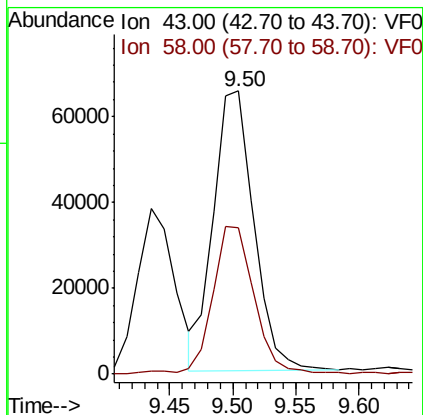
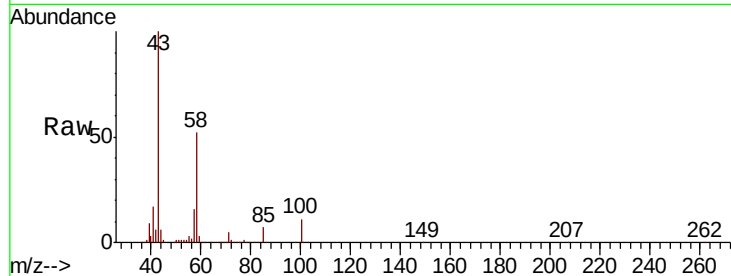
58 51.8 26.1 78.3

Manual Integrations

APPROVED

MMDadoda

11/6/2018 12:53:54 PM



#60

Dibromochloromethane

Concen: 19.667 ug/l

RT: 8.73 min Scan# 821

Delta R.T. 0.01 min

Lab File: VF060593.D

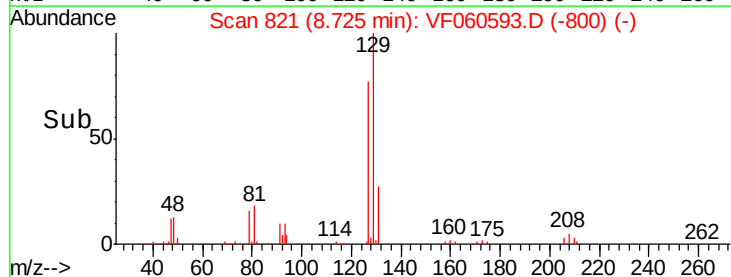
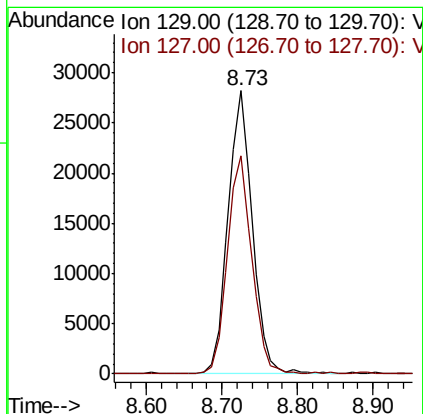
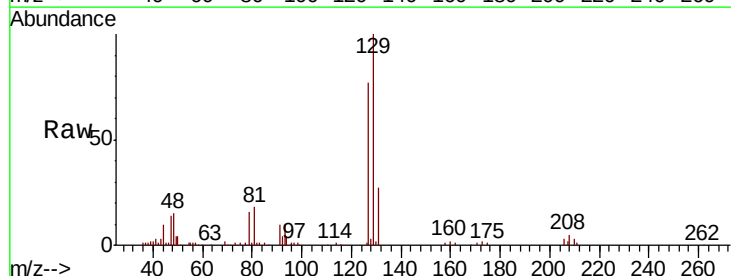
Acq: 6 Nov 2018 3:51

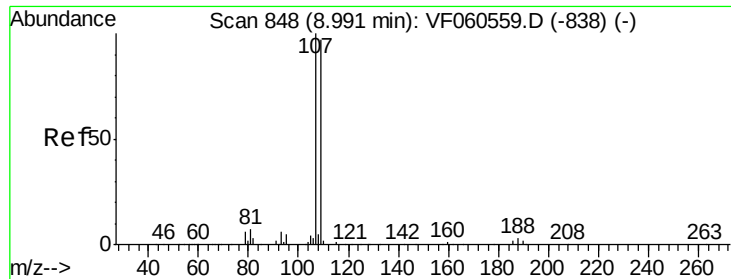
Tgt Ion: 129 Resp: 62519

Ion Ratio Lower Upper

129 100

127 77.1 37.8 113.3





#61

1,2-Dibromoethane

Concen: 19.217 ug/l

RT: 8.99 min Scan# 848

Delta R.T. 0.00 min

Lab File: VF060593.D

Acq: 6 Nov 2018 3:51

Instrument :

MSVOA\_F

ClientSampleId :

VF1105SBS02

Tot Ion: 107 Resp: 45936

Ion Ratio Lower Upper

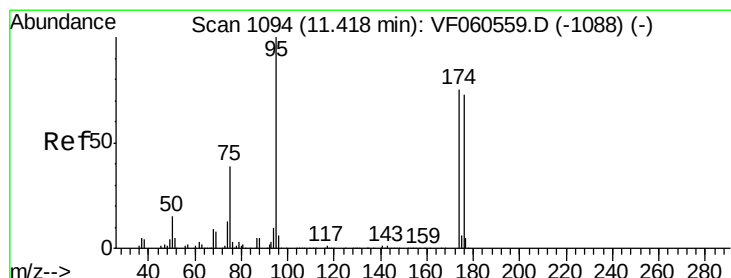
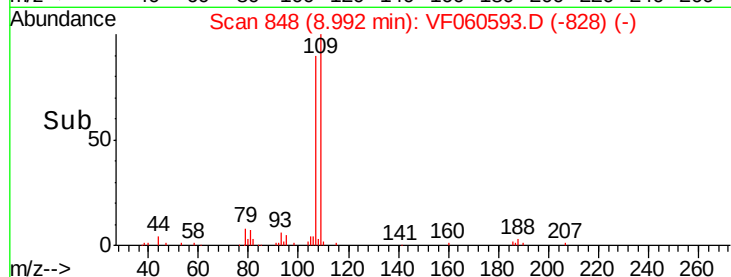
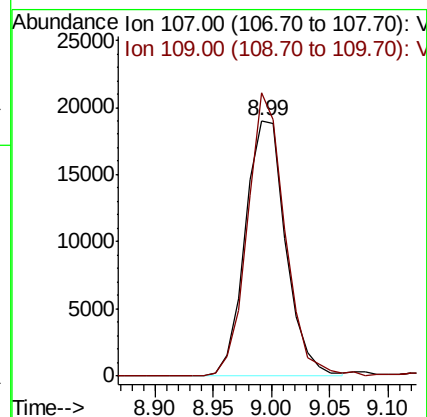
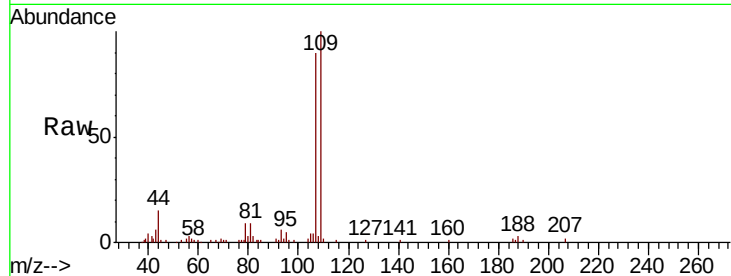
107 100

109 110.9 77.5 116.3

Manual Integrations  
APPROVED

MMDadoda

11/6/2018 12:53:54 PM



#62

4-Bromofluorobenzene

Concen: 49.249 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF060593.D

Acq: 6 Nov 2018 3:51

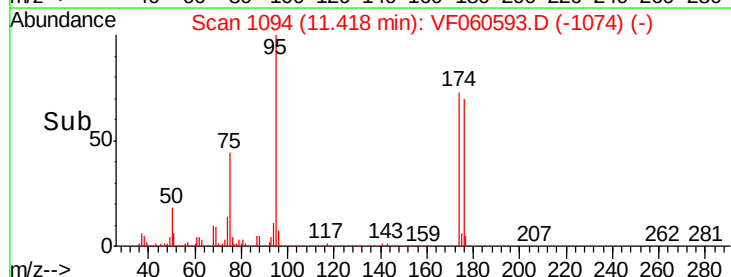
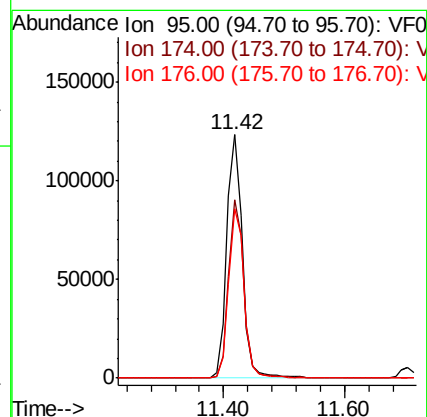
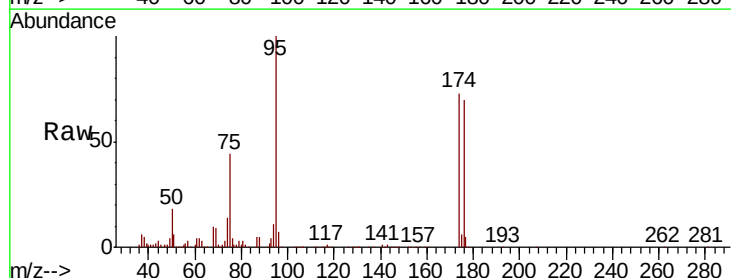
Tgt Ion: 95 Resp: 221203

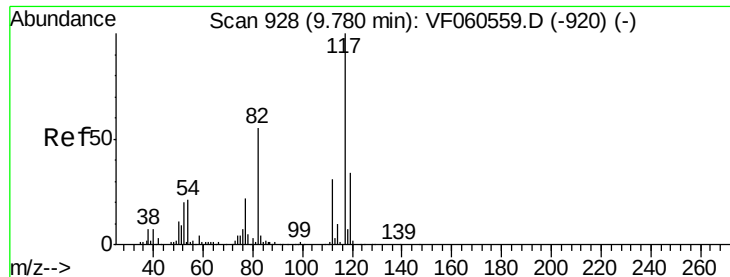
Ion Ratio Lower Upper

95 100

174 73.4 0.0 149.0

176 69.7 0.0 145.6





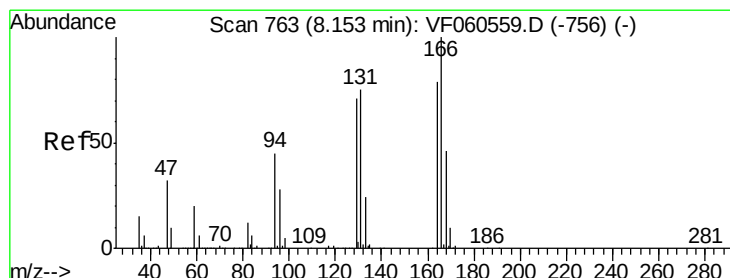
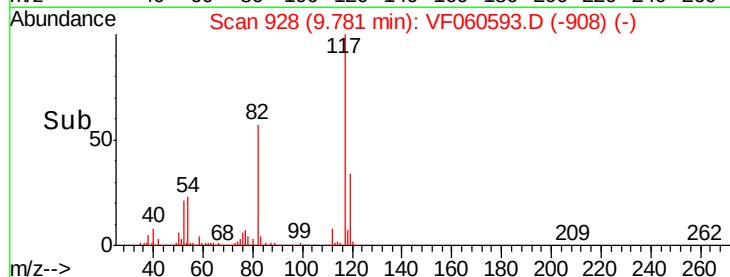
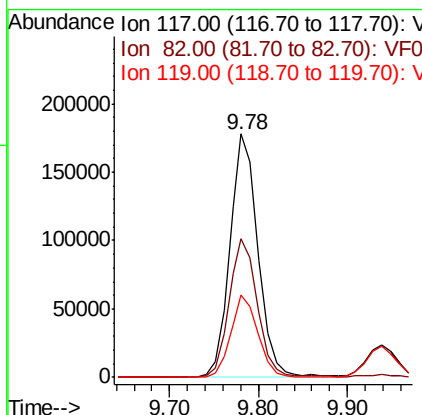
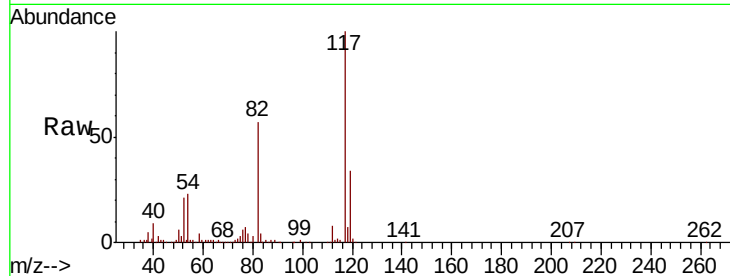
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.78 min Scan# 928  
Delta R.T. 0.00 min  
Lab File: VF060593.D  
Acq: 6 Nov 2018 3:51

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF1105SBS02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 393287 |       |       |
| 82      | 57.1  |        | 43.9  | 65.9  |
| 119     | 33.6  |        | 27.4  | 41.0  |

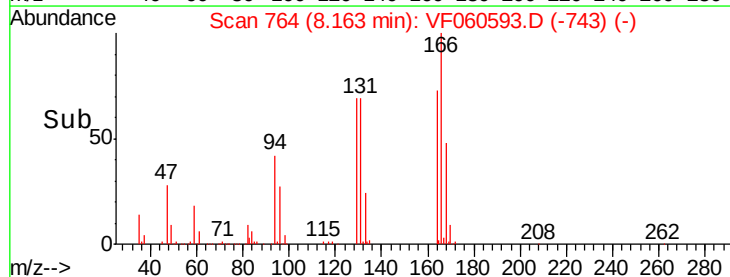
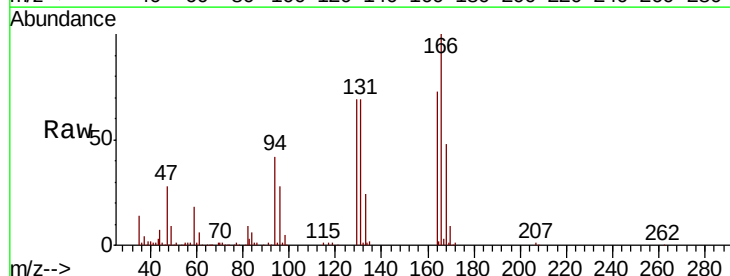
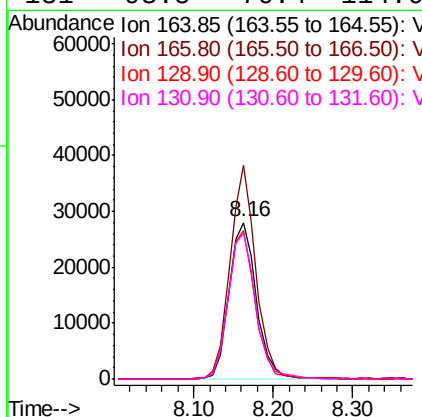
Manual Integrations  
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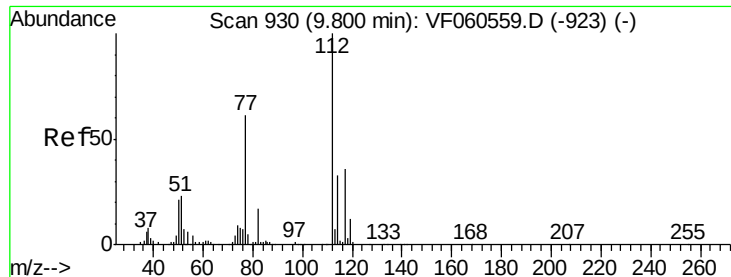
MMDadoda  
11/6/2018 12:53:54 PM



#64  
Tetrachloroethene  
Concen: 21.824 ug/l  
RT: 8.16 min Scan# 764  
Delta R.T. 0.01 min  
Lab File: VF060593.D  
Acq: 6 Nov 2018 3:51

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 67268 |       |       |
| 166     | 136.5 |       | 101.5 | 152.3 |
| 129     | 94.7  |       | 72.5  | 108.7 |
| 131     | 93.5  |       | 76.4  | 114.6 |





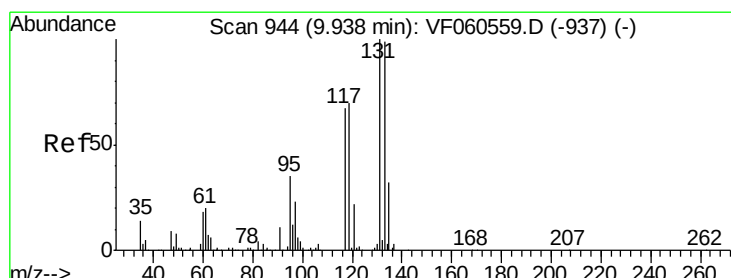
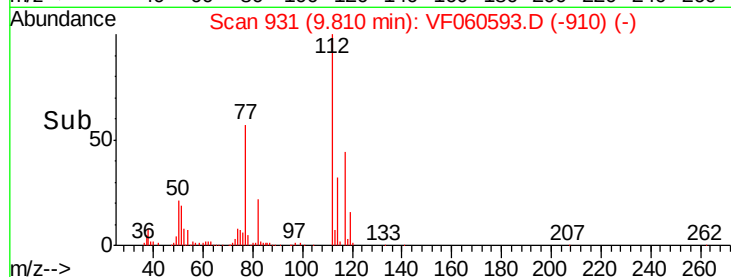
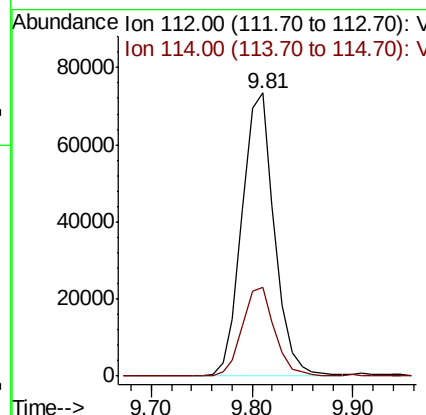
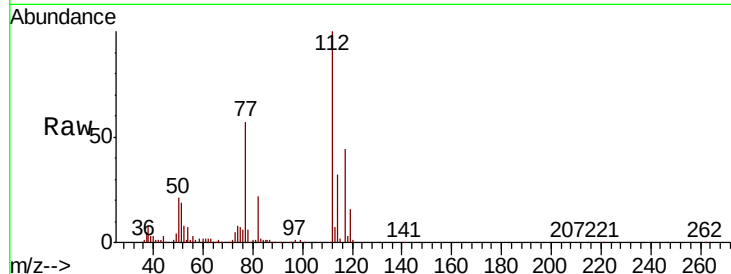
#65  
Chlorobenzene  
Concen: 20.536 ug/l  
RT: 9.81 min Scan# 931  
Delta R.T. 0.01 min  
Lab File: VF060593.D  
Acq: 6 Nov 2018 3:51

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF1105SBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 31.5  | 26.6  | 40.0  |

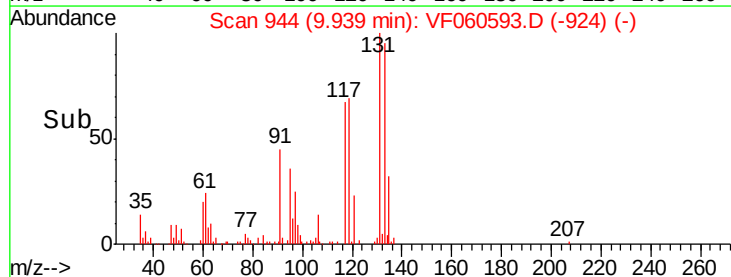
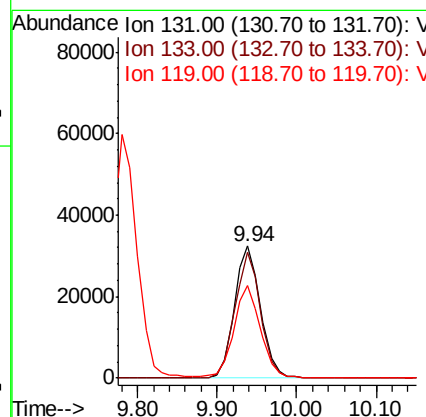
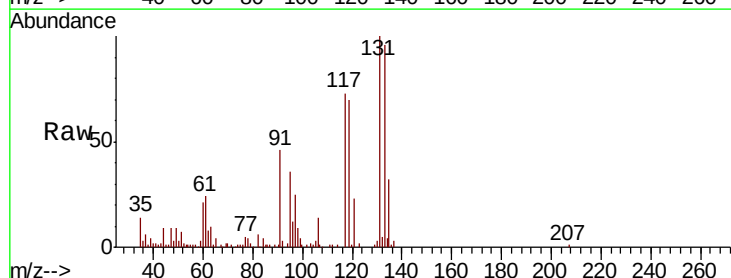
Manual Integrations  
APPROVED

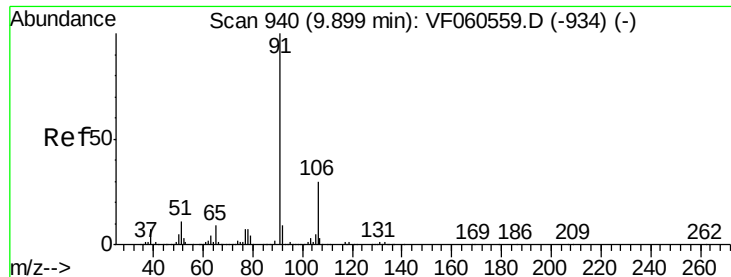
MMDadoda  
11/6/2018 12:53:54 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 21.765 ug/l  
RT: 9.94 min Scan# 944  
Delta R.T. 0.00 min  
Lab File: VF060593.D  
Acq: 6 Nov 2018 3:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 95.7  | 49.5  | 148.7 |
| 119     | 70.4  | 35.2  | 105.6 |





#67

Ethyl Benzene

Concen: 21.543 ug/l

RT: 9.91 min Scan# 941

Delta R.T. 0.01 min

Lab File: VF060593.D

Acq: 6 Nov 2018 3:51

Instrument :

MSVOA\_F

ClientSampleId :

VF1105SBS02

Tot Ion: 91 Resp: 314422

Ion Ratio Lower Upper

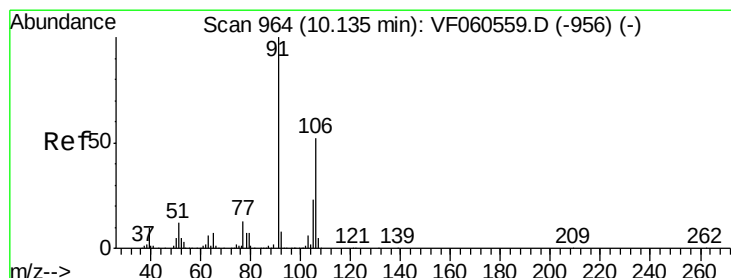
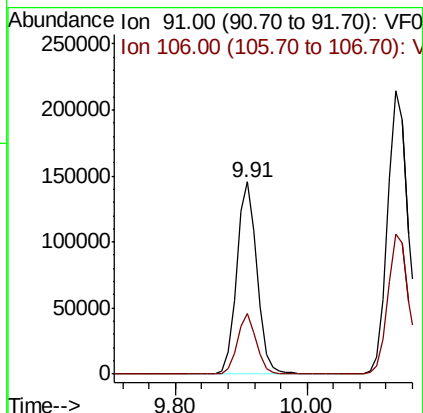
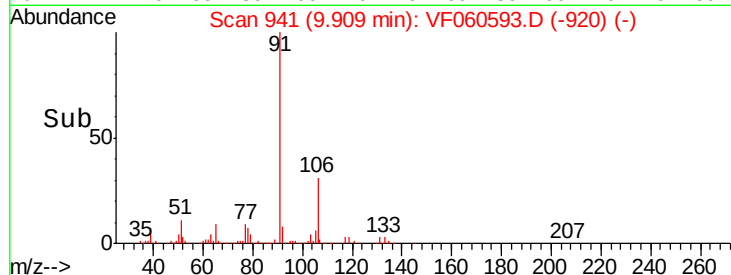
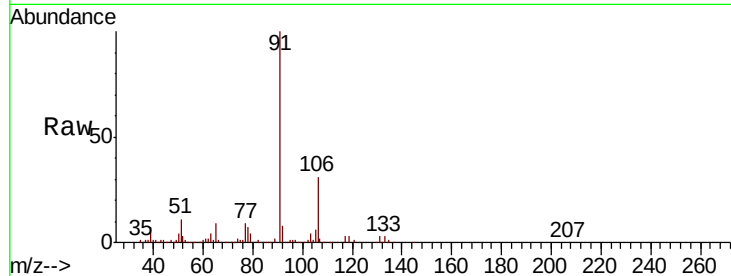
91 100

106 31.3 24.2 36.4

Manual Integrations  
APPROVED

MMDadoda

11/6/2018 12:53:54 PM



#68

m/p-Xylenes

Concen: 42.537 ug/l

RT: 10.14 min Scan# 964

Delta R.T. 0.00 min

Lab File: VF060593.D

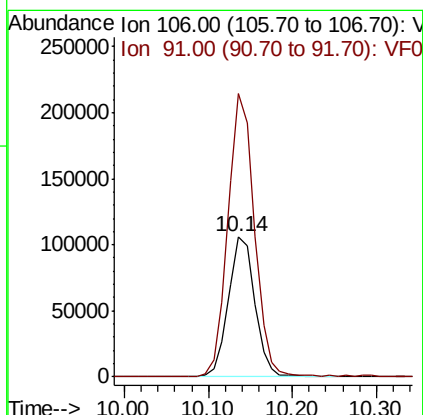
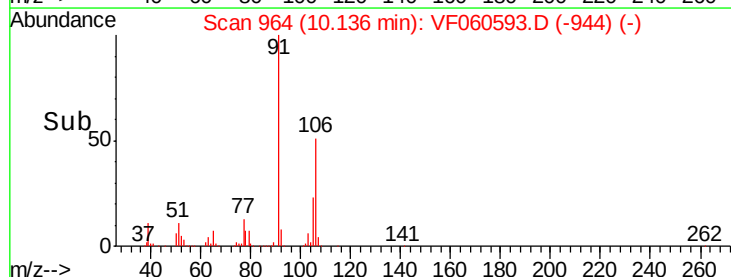
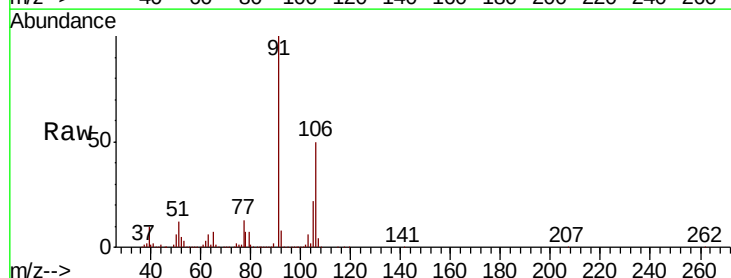
Acq: 6 Nov 2018 3:51

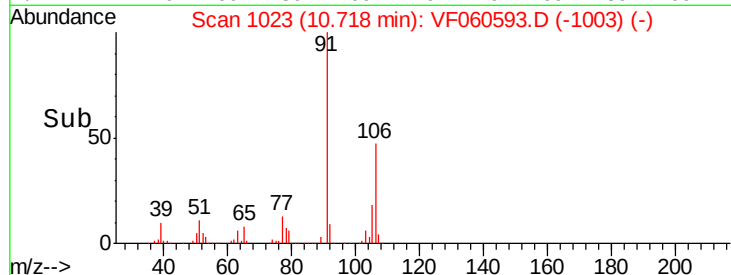
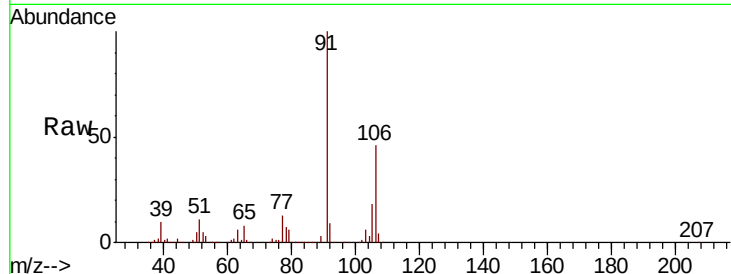
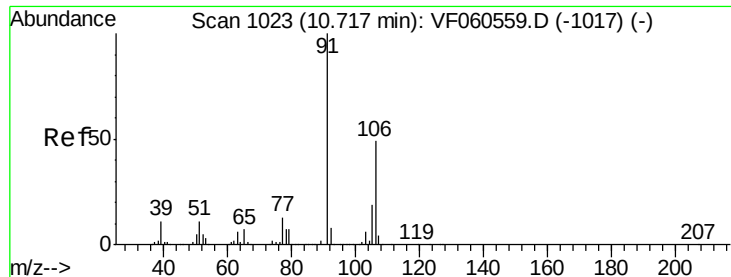
Tgt Ion: 106 Resp: 233858

Ion Ratio Lower Upper

106 100

91 202.0 153.9 230.9





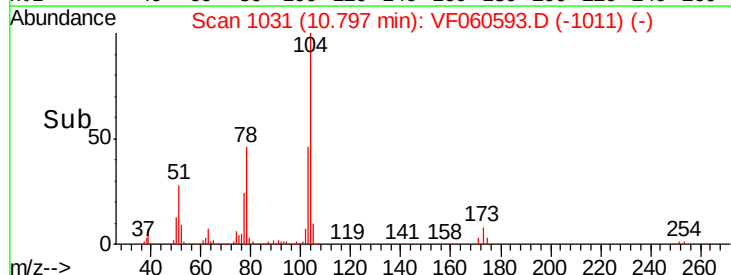
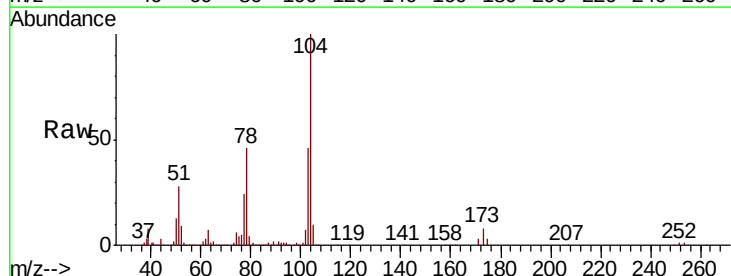
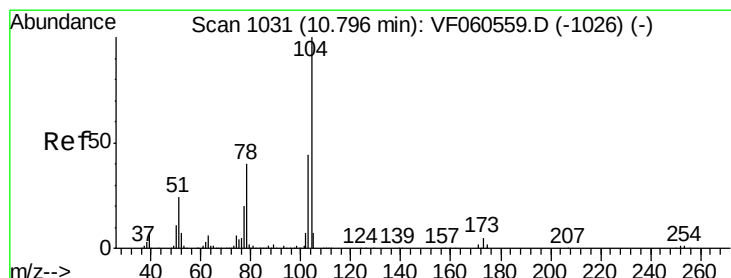
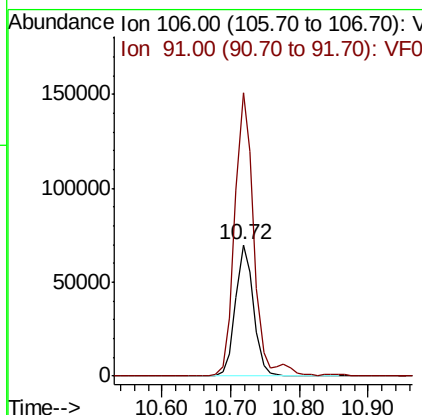
#69  
o-Xylene  
Concen: 21.371 ug/l  
RT: 10.72 min Scan# 1023  
Delta R.T. 0.00 min  
Lab File: VF060593.D  
Acq: 6 Nov 2018 3:51

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 106     | 100   | 128295 |       |       |
| 91      | 215.1 | 101.8  | 305.3 |       |

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF1105SBS02

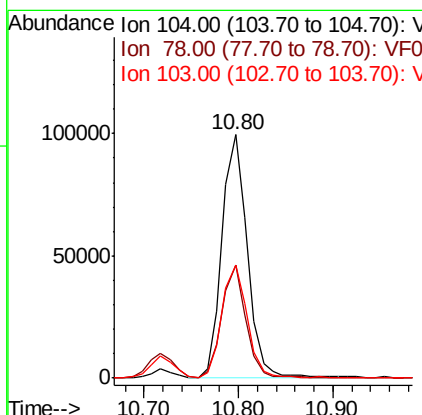
Manual Integrations  
APPROVED

MMDadoda  
11/6/2018 12:53:54 PM

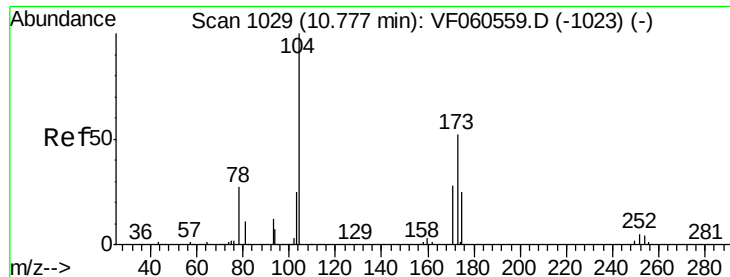


#70  
Styrene  
Concen: 21.156 ug/l  
RT: 10.80 min Scan# 1031  
Delta R.T. 0.00 min  
Lab File: VF060593.D  
Acq: 6 Nov 2018 3:51

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 104     | 100   | 183995 |       |       |
| 78      | 46.4  | 32.6   | 49.0  |       |
| 103     | 46.4  | 35.2   | 52.8  |       |







#71

Bromoform

Concen: 20.350 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VF060593.D

Acq: 6 Nov 2018 3:51

Instrument :

MSVOA\_F

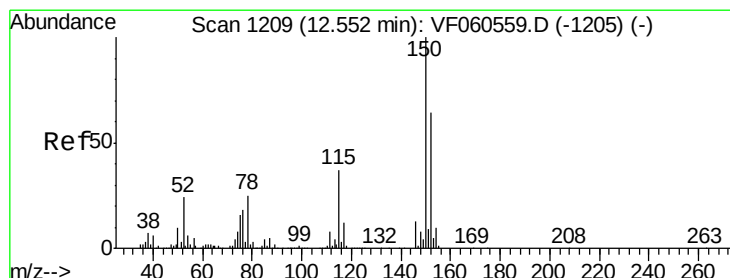
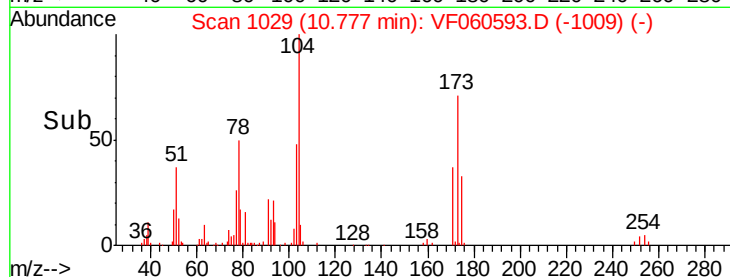
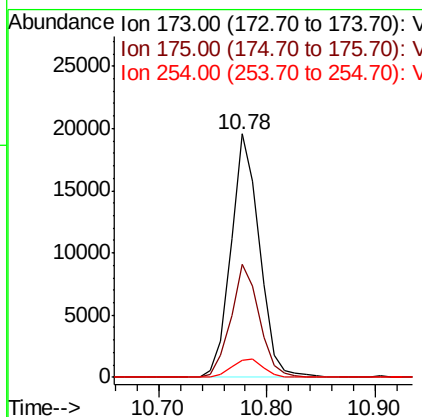
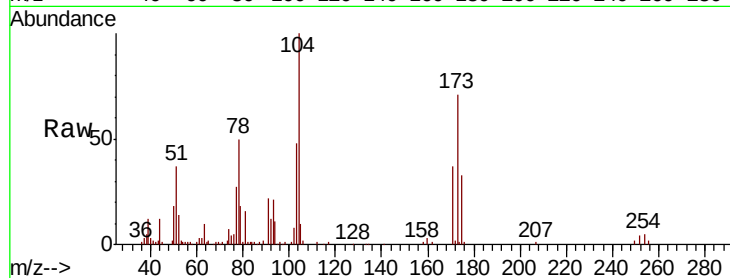
ClientSampleId :

VF1105SBSD02

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 173   | Resp: | 35717 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 46.4  | 24.3  | 72.9  |
| 254       | 7.0   | 6.7   | 10.1  |

Manual Integrations  
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11/6/2018 12:53:54 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

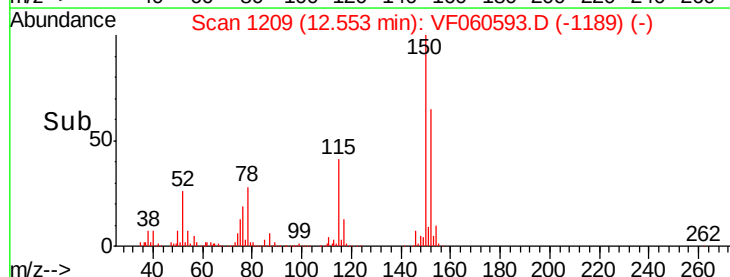
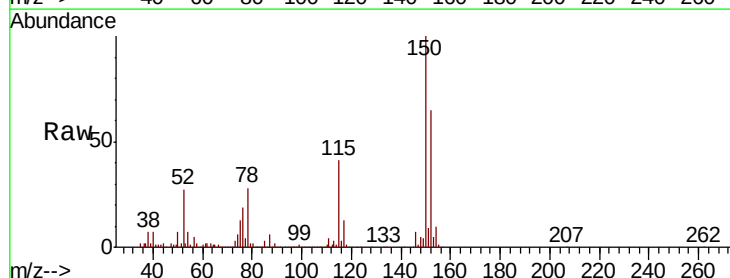
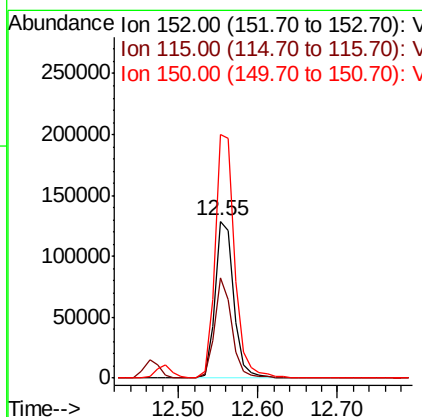
RT: 12.55 min Scan# 1209

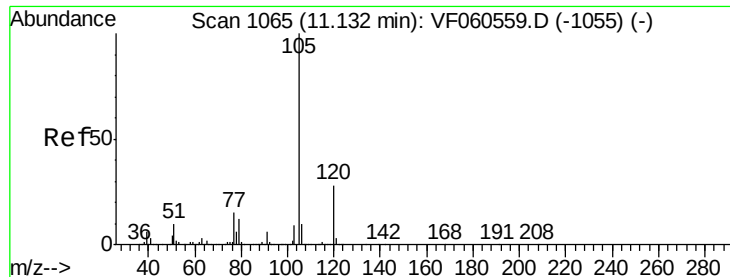
Delta R.T. 0.00 min

Lab File: VF060593.D

Acq: 6 Nov 2018 3:51

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 215133 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 63.6  | 29.6  | 88.8   |
| 150       | 154.9 | 0.0   | 315.6  |





#73

Isopropylbenzene

Concen: 22.566 ug/l

RT: 11.13 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VF060593.D

Acq: 6 Nov 2018 3:51

Instrument :

MSVOA\_F

ClientSampleId :

VF1105SBS02

Tot Ion: 105 Resp: 378603

Ion Ratio Lower Upper

105 100

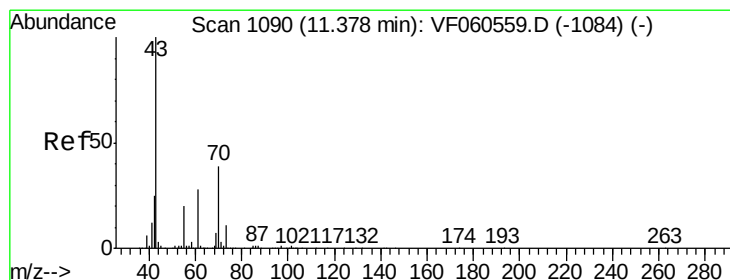
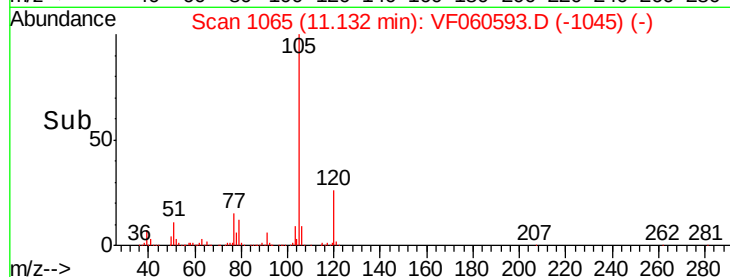
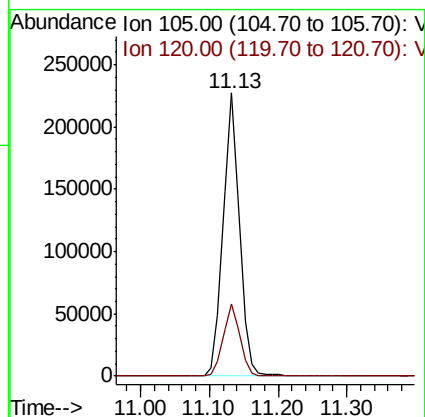
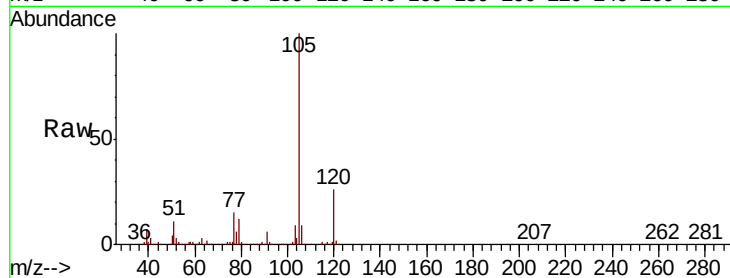
120 25.6 13.9 41.6

Manual Integrations

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#74

N-ethyl acetate

Concen: 23.248 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VF060593.D

Acq: 6 Nov 2018 3:51

Tgt Ion: 43 Resp: 106940

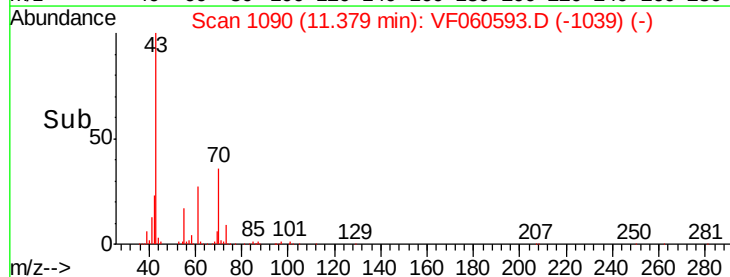
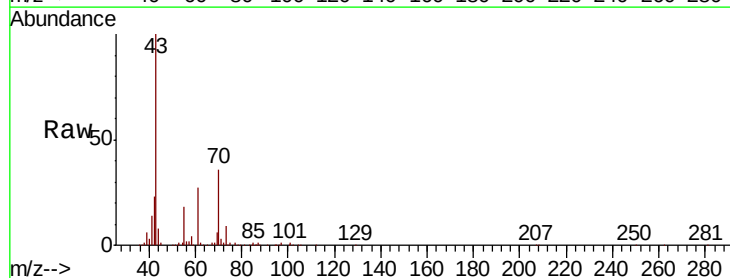
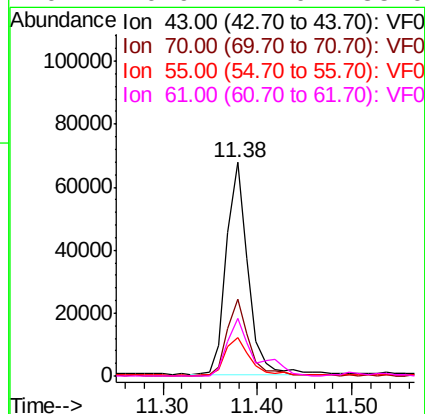
Ion Ratio Lower Upper

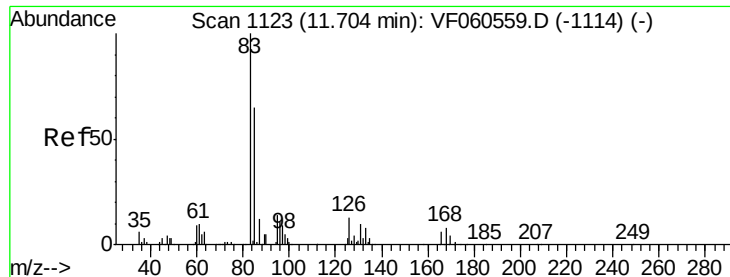
43 100

70 36.0 30.9 46.3

55 17.8 16.6 24.8

61 26.9 22.0 33.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.321 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VF060593.D

Acq: 6 Nov 2018 3:51

Instrument :

MSVOA\_F

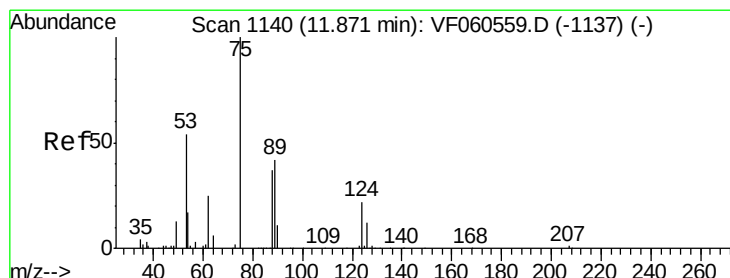
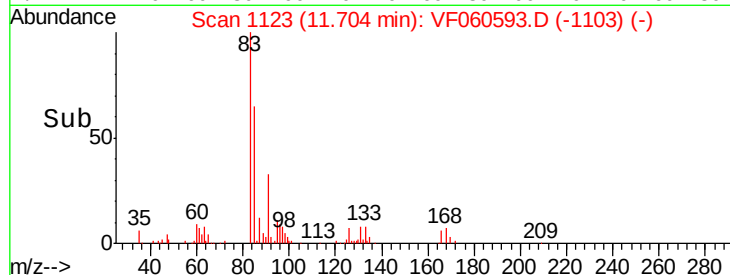
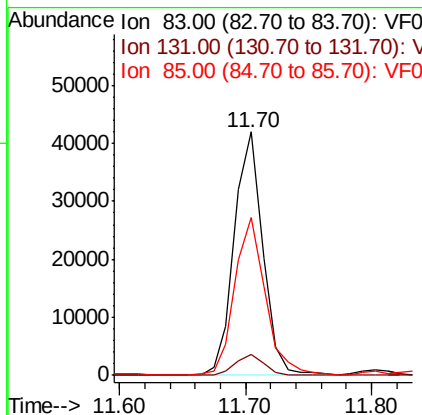
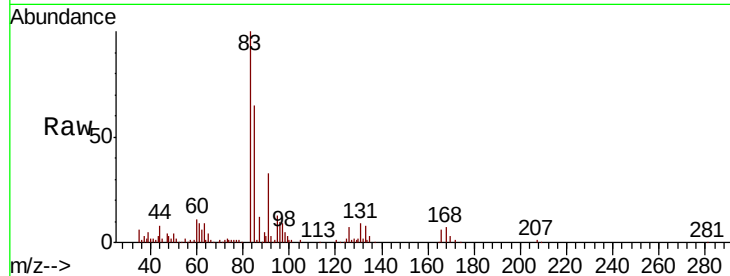
ClientSampleId :

VF1105SBSD02

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 65295 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 8.5   | 5.0   | 14.9  |
| 85        | 64.6  | 32.9  | 98.7  |

Manual Integrations  
APPROVED

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11/6/2018 12:53:54 PM



#76

1,2,3-Trichloropropane

Concen: 20.457 ug/l

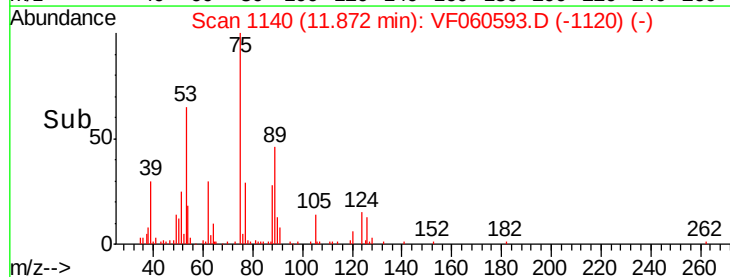
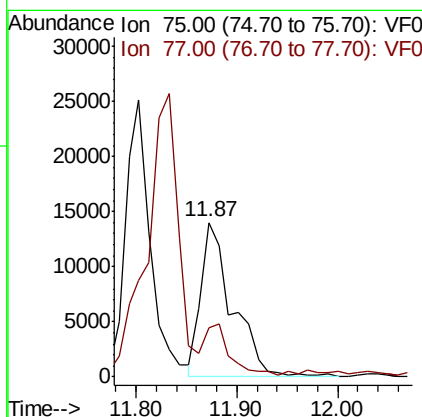
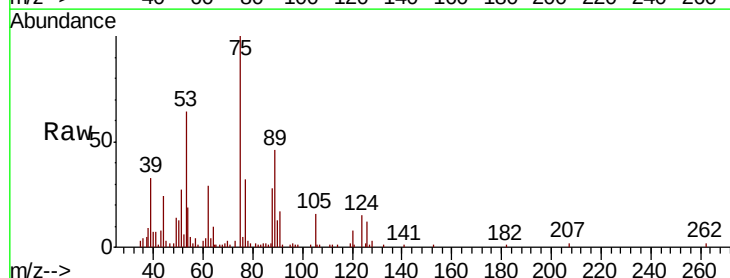
RT: 11.87 min Scan# 1140

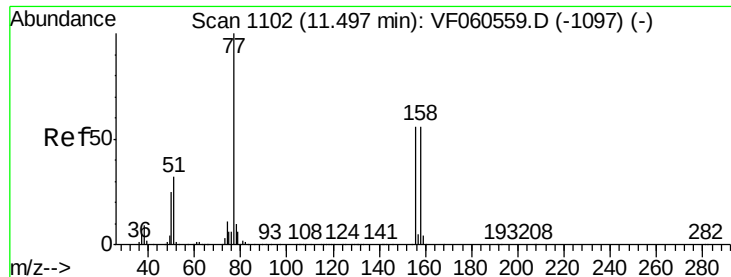
Delta R.T. 0.00 min

Lab File: VF060593.D

Acq: 6 Nov 2018 3:51

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 30789 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 32.1  | 17.4  | 52.3  |





#77

Bromobenzene

Concen: 21.160 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VF060593.D

Acq: 6 Nov 2018 3:51

Instrument :

MSVOA\_F

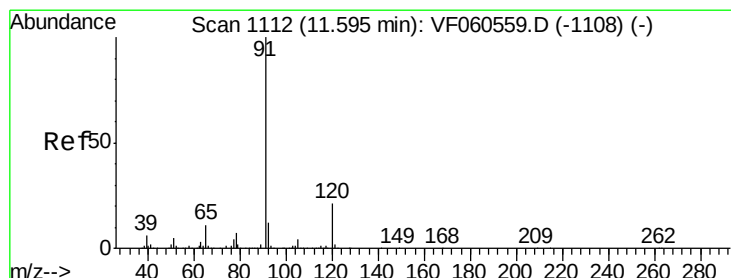
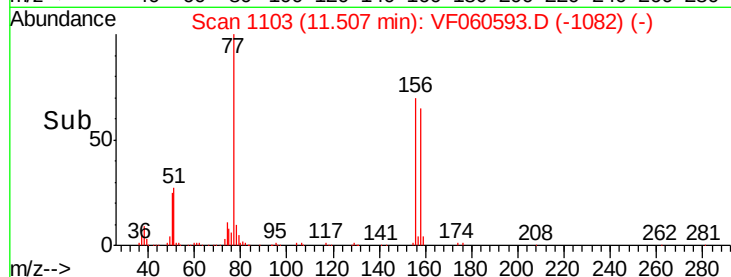
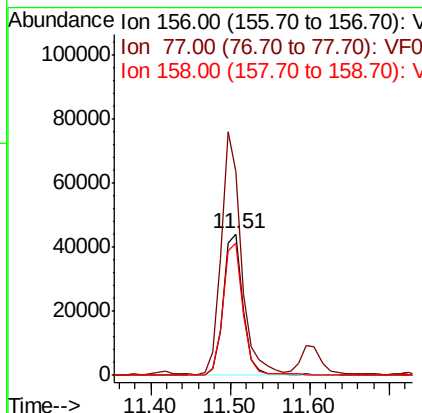
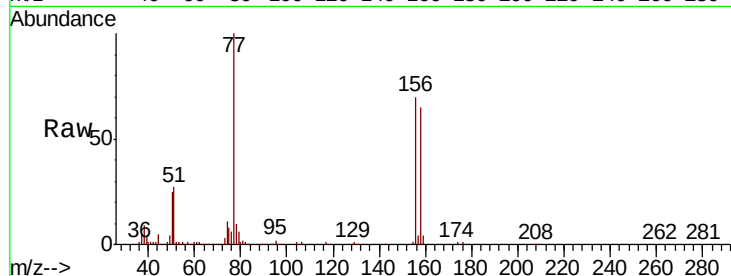
ClientSampleId :

VF1105SBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 143.9 | 89.3  | 268.1 |
| 158     | 93.8  | 50.0  | 150.1 |

Manual Integrations  
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#78

n-propylbenzene

Concen: 22.074 ug/l

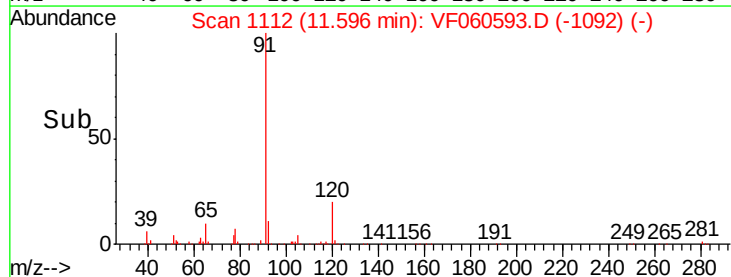
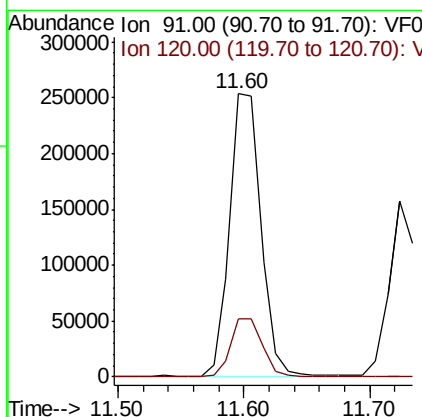
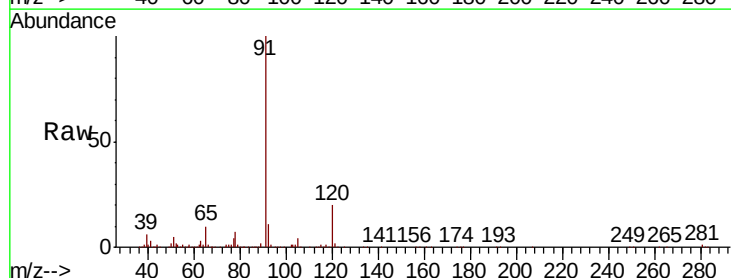
RT: 11.60 min Scan# 1112

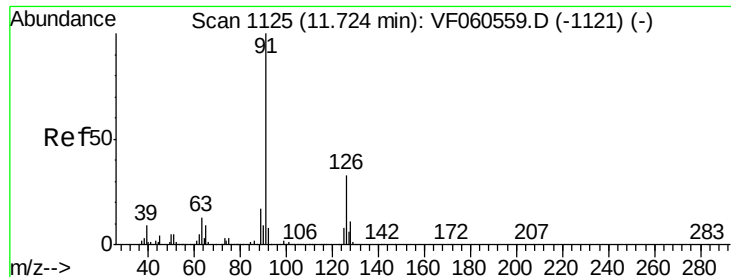
Delta R.T. 0.00 min

Lab File: VF060593.D

Acq: 6 Nov 2018 3:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 20.5  | 10.5  | 31.6  |





#79

2-Chlorotoluene

Concen: 21.634 ug/l

RT: 11.72 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VF060593.D

Acq: 6 Nov 2018 3:51

Instrument :

MSVOA\_F

ClientSampleId :

VF1105SBSD02

Tot Ion: 91 Resp: 242526

Ion Ratio Lower Upper

91 100

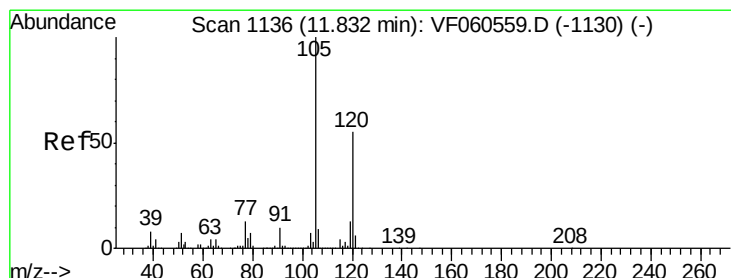
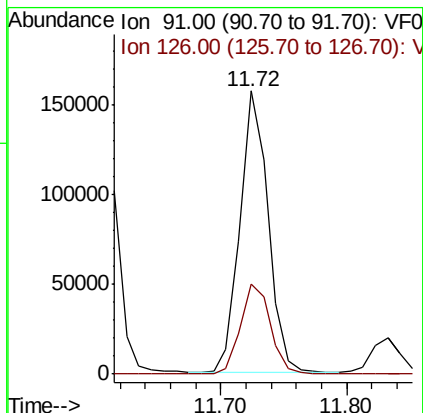
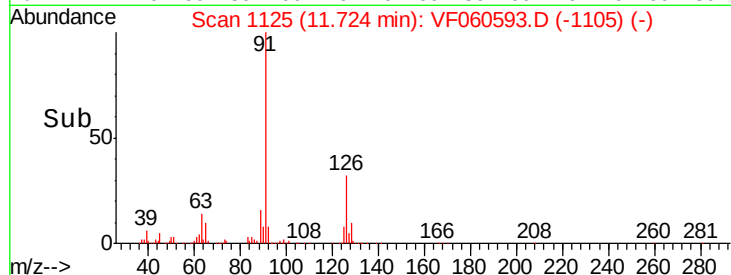
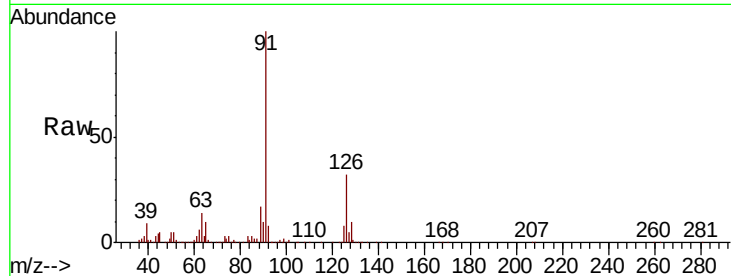
126 32.0 16.5 49.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.291 ug/l

RT: 11.83 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VF060593.D

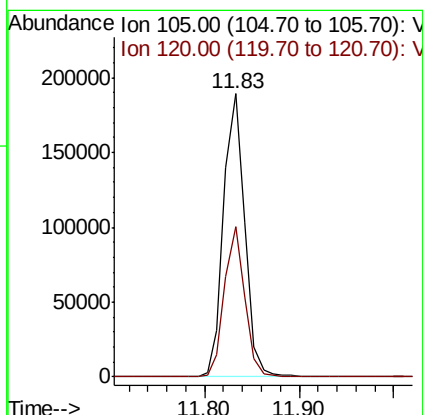
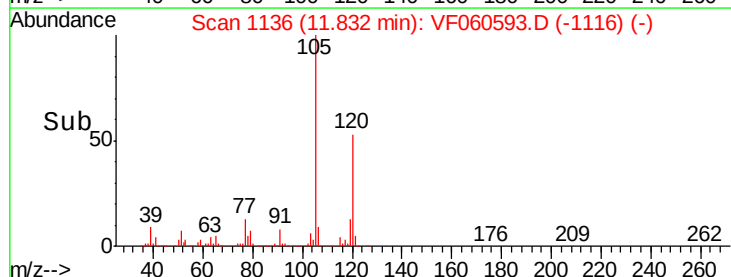
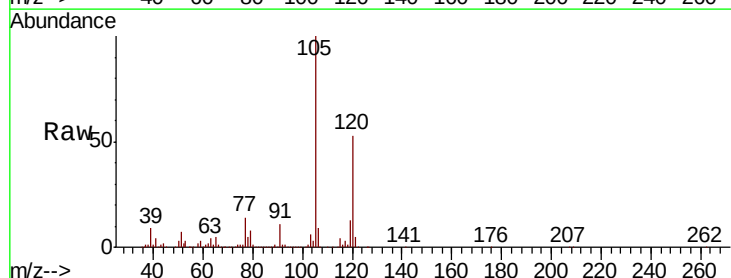
Acq: 6 Nov 2018 3:51

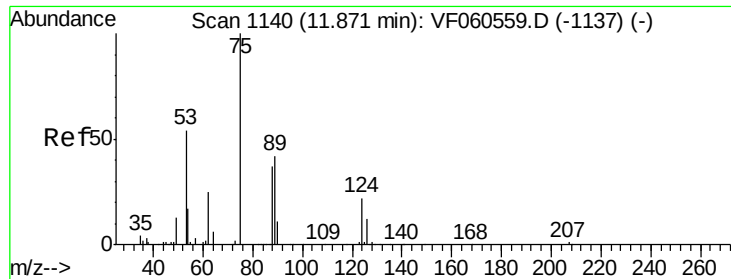
Tgt Ion: 105 Resp: 294443

Ion Ratio Lower Upper

105 100

120 53.1 27.6 82.8





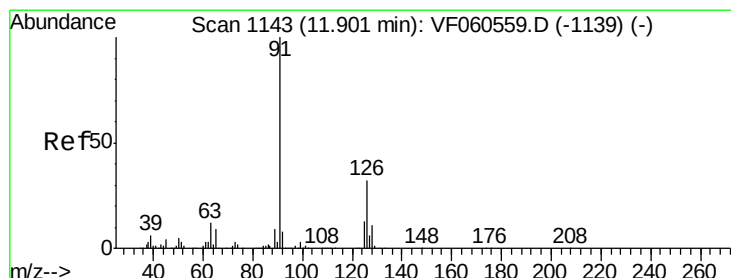
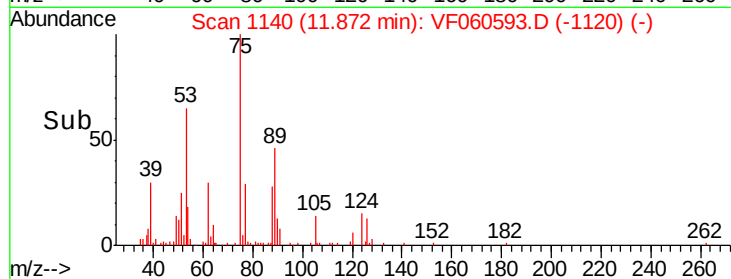
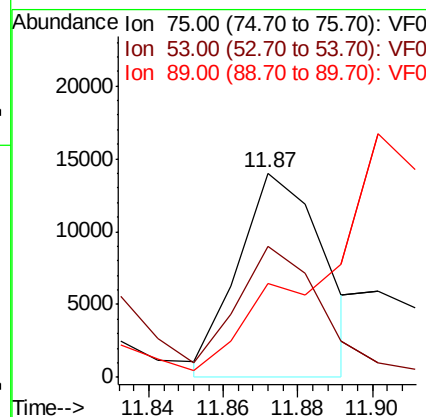
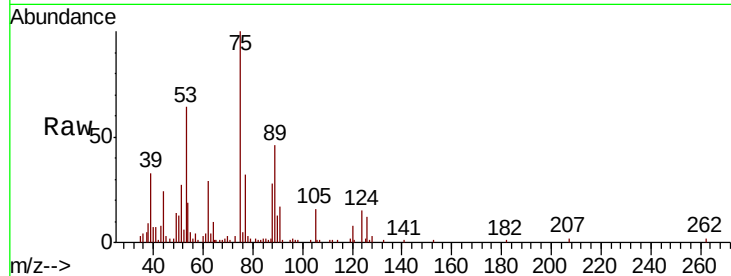
#81  
trans-1,4-Dichloro-2-butene  
Concen: 18.914 ug/l m  
RT: 11.87 min Scan# 1140  
Delta R.T. 0.00 min  
Lab File: VF060593.D  
Acq: 6 Nov 2018 3:51

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF1105SBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 64.4  | 51.6  | 77.4  |
| 89      | 45.9  | 36.7  | 55.1  |

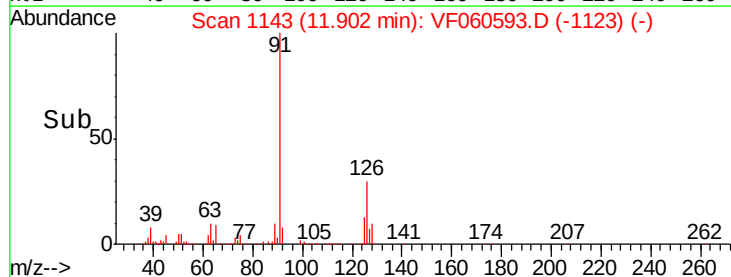
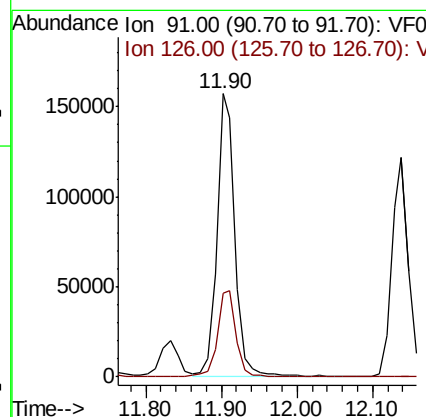
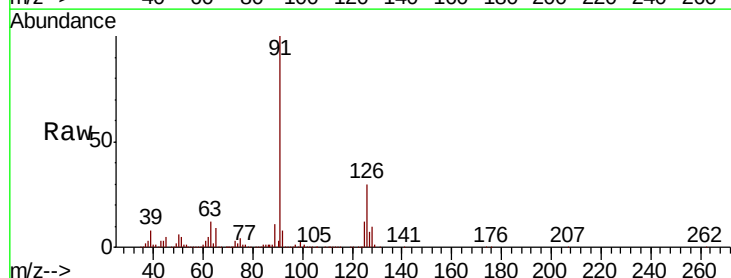
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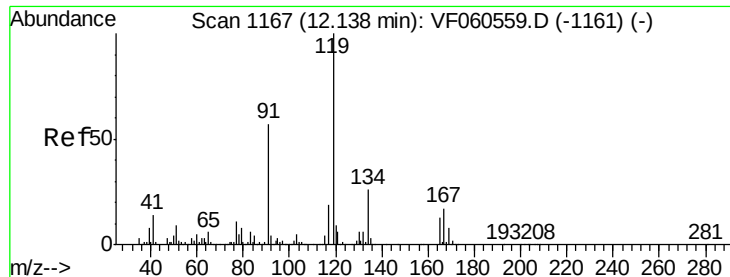
MMDadoda  
11/6/2018 12:53:54 PM



#82  
4-Chlorotoluene  
Concen: 22.150 ug/l  
RT: 11.90 min Scan# 1143  
Delta R.T. 0.00 min  
Lab File: VF060593.D  
Acq: 6 Nov 2018 3:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 29.7  | 15.9  | 47.7  |





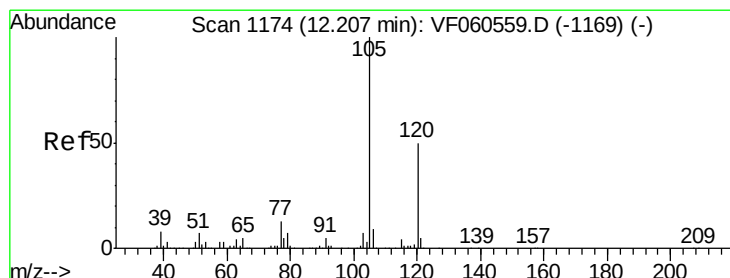
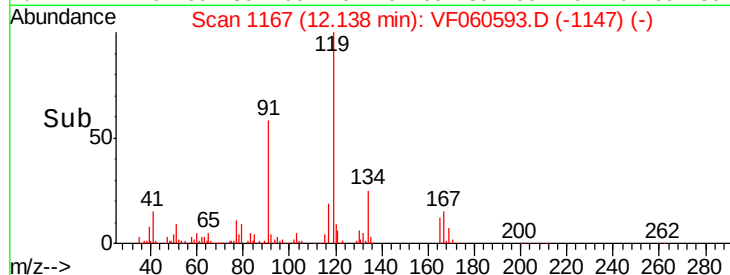
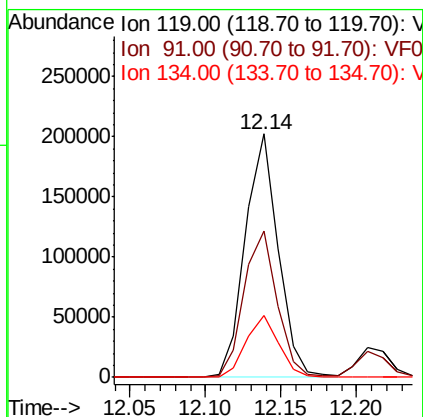
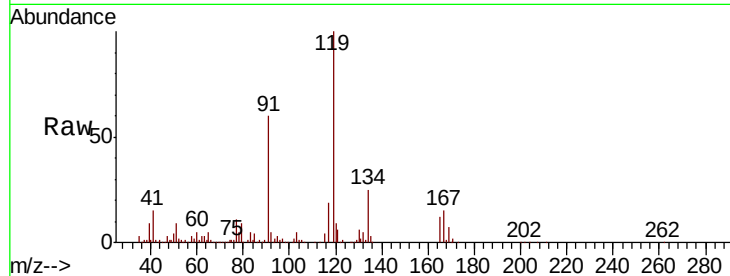
#83  
 tert-Butylbenzene  
 Concen: 21.888 ug/l  
 RT: 12.14 min Scan# 1167  
 Delta R.T. 0.00 min  
 Lab File: VF060593.D  
 Acq: 6 Nov 2018 3:51

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF1105SBSD02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 309241 |       |       |
| 91      | 60.1  | 28.8   | 86.4  |       |
| 134     | 25.3  | 13.2   | 39.6  |       |

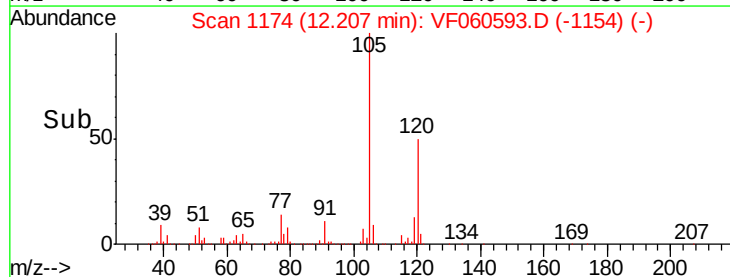
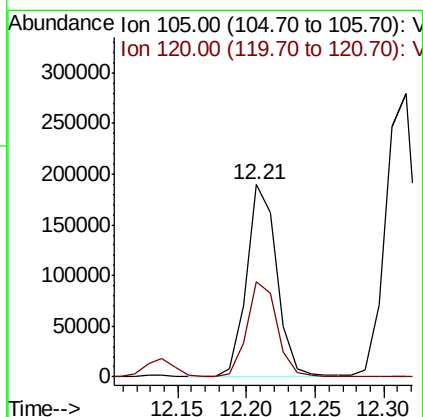
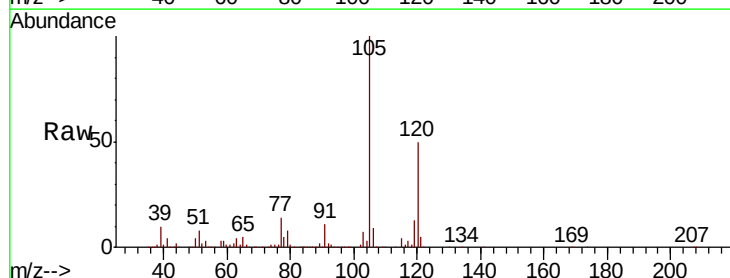
Manual Integrations  
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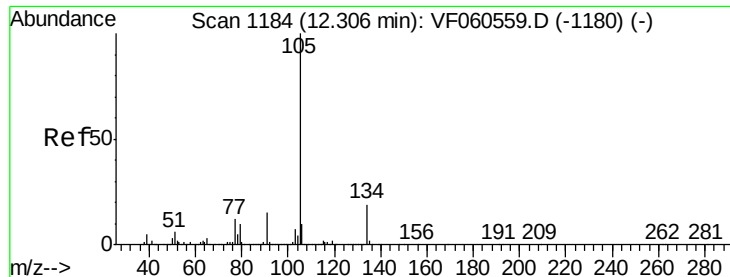
MMDadoda  
 11/6/2018 12:53:54 PM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 21.472 ug/l  
 RT: 12.21 min Scan# 1174  
 Delta R.T. 0.00 min  
 Lab File: VF060593.D  
 Acq: 6 Nov 2018 3:51

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 290791 |       |       |
| 120     | 49.6  | 25.6   | 76.8  |       |





#85

sec-Butylbenzene

Concen: 22.420 ug/l

RT: 12.32 min Scan# 1185

Delta R.T. 0.01 min

Lab File: VF060593.D

Acq: 6 Nov 2018 3:51

Instrument :

MSVOA\_F

ClientSampleId :

VF1105SBSD02

Tot Ion:105 Resp: 435729

Ion Ratio Lower Upper

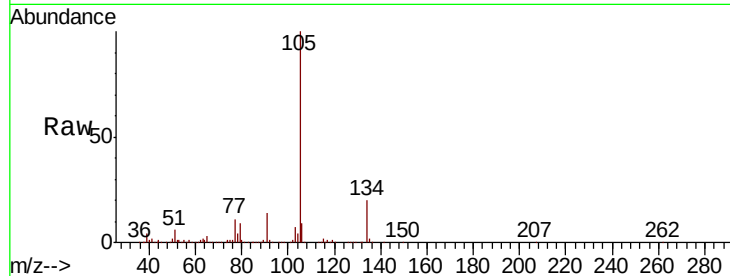
105 100

134 19.8 9.7 29.1

Manual Integrations  
APPROVED

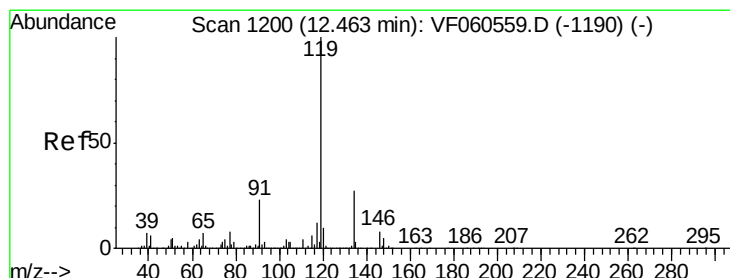
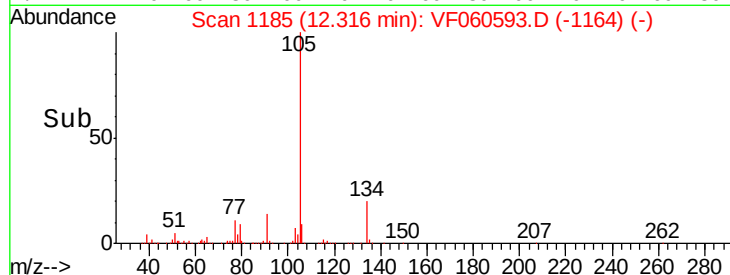
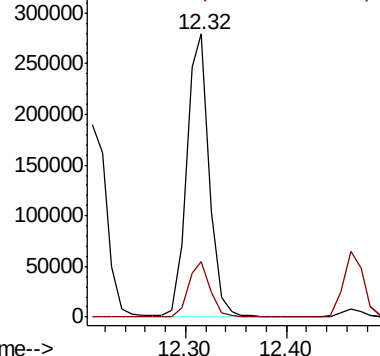
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.404 ug/l

RT: 12.46 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VF060593.D

Acq: 6 Nov 2018 3:51

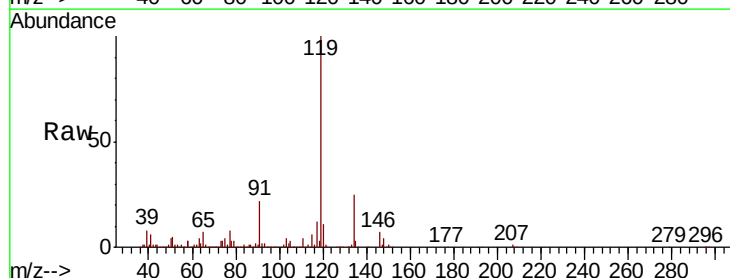
Tgt Ion:119 Resp: 358569

Ion Ratio Lower Upper

119 100

134 24.8 13.6 40.7

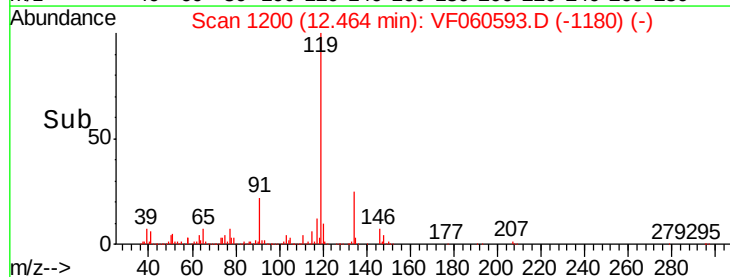
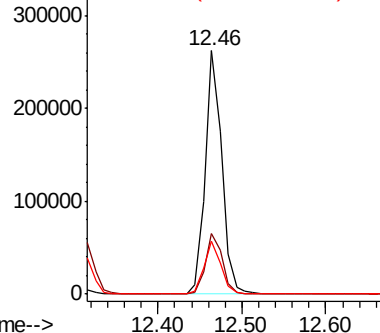
91 21.9 11.4 34.2



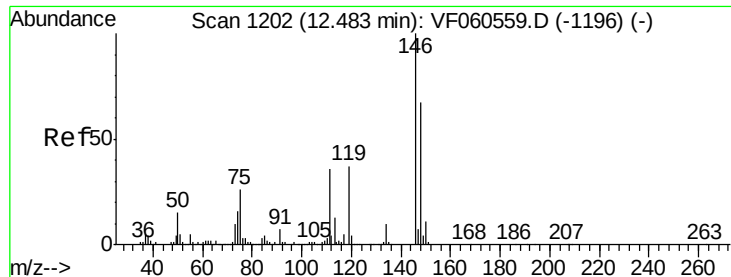
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0







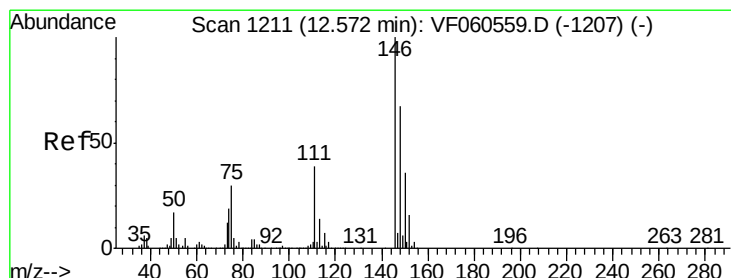
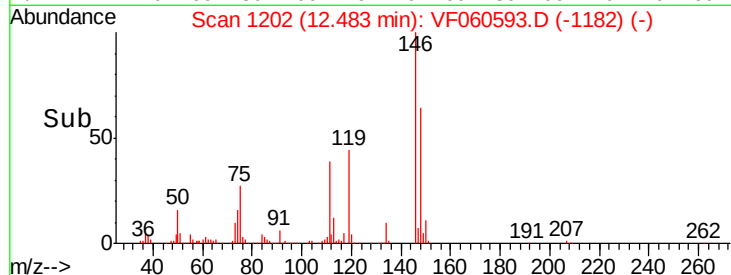
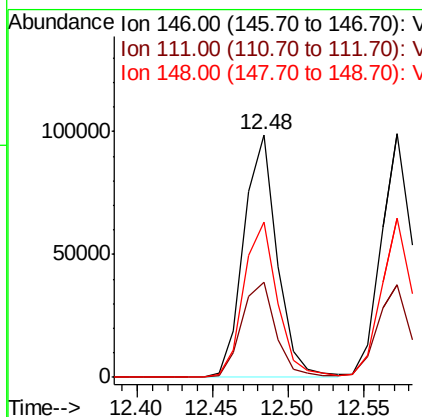
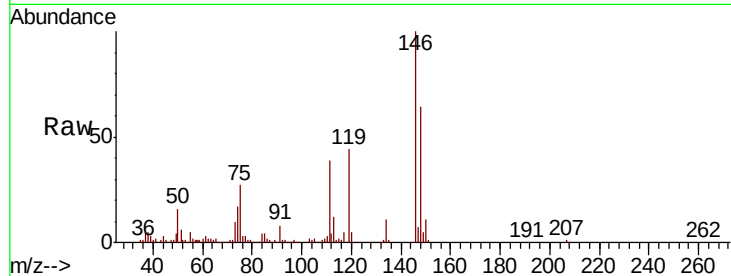
#87  
 1,3-Dichlorobenzene  
 Concen: 21.151 ug/l  
 RT: 12.48 min Scan# 1202  
 Delta R.T. 0.00 min  
 Lab File: VF060593.D  
 Acq: 6 Nov 2018 3:51

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF1105SBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.3  | 18.3  | 54.8  |
| 148     | 64.2  | 33.5  | 100.4 |

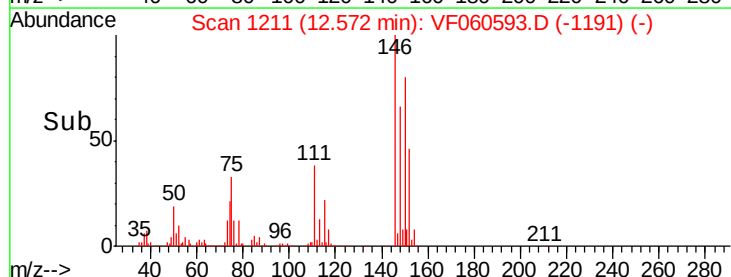
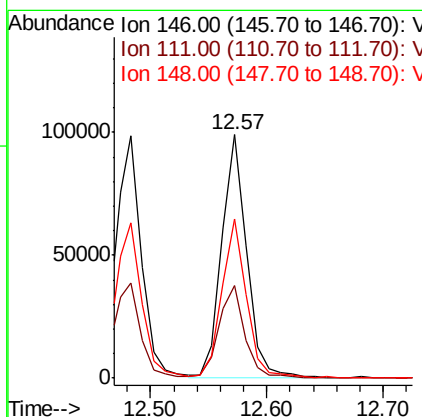
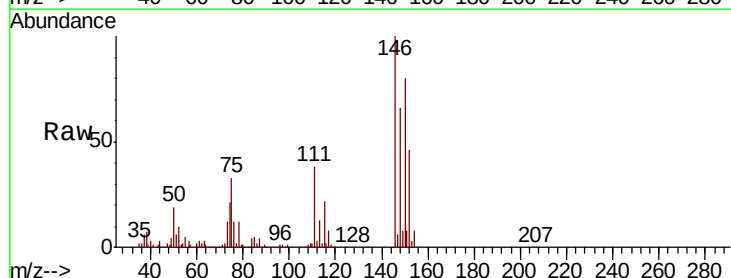
Manual Integrations  
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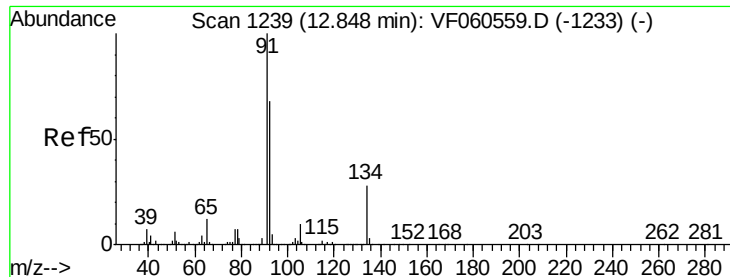
MMDadoda  
 11/6/2018 12:53:54 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 21.626 ug/l  
 RT: 12.57 min Scan# 1211  
 Delta R.T. 0.00 min  
 Lab File: VF060593.D  
 Acq: 6 Nov 2018 3:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.0  | 19.7  | 59.1  |
| 148     | 65.5  | 33.7  | 101.1 |





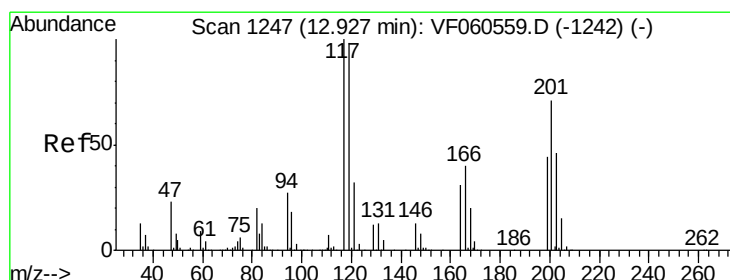
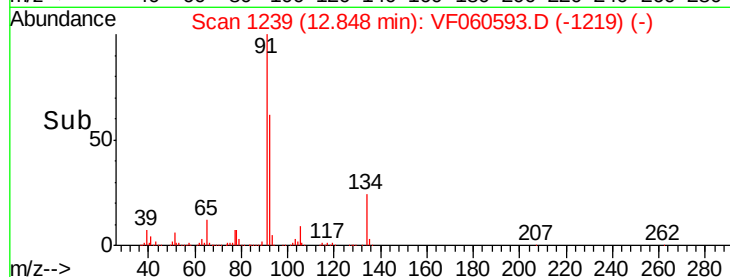
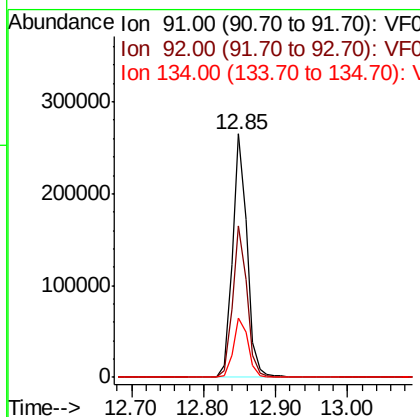
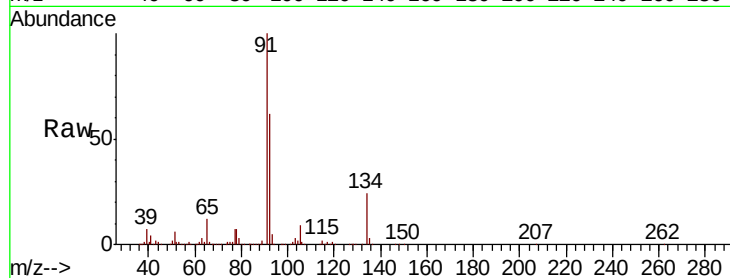
#89  
n-Butylbenzene  
Concen: 21.334 ug/l  
RT: 12.85 min Scan# 1239  
Delta R.T. 0.00 min  
Lab File: VF060593.D  
Acq: 6 Nov 2018 3:51

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF1105SBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 62.4  | 34.1  | 102.2 |
| 134     | 24.4  | 13.9  | 41.6  |

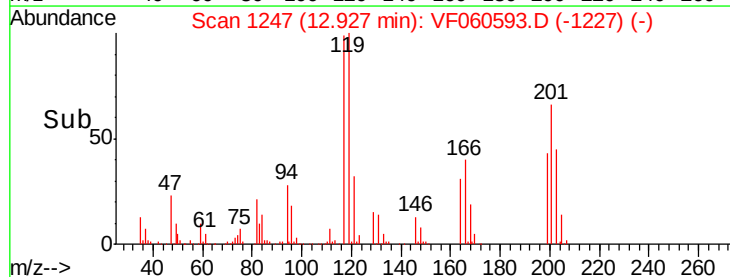
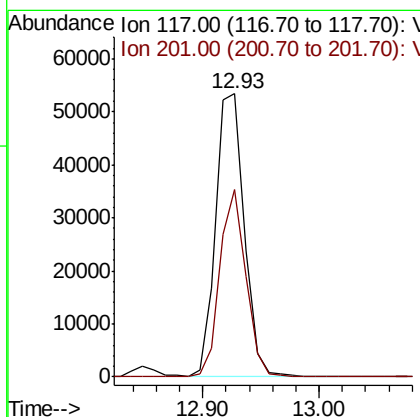
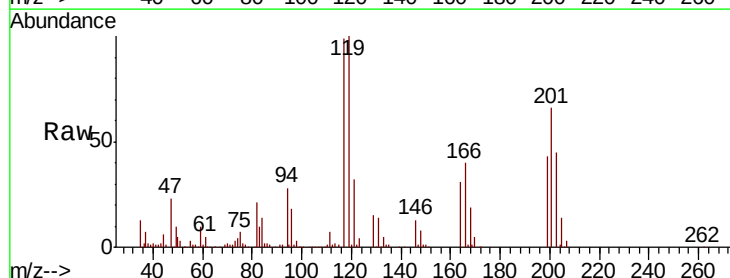
Manual Integrations  
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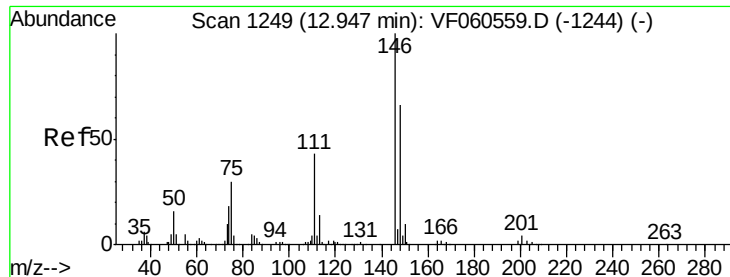
MMDadoda  
11/6/2018 12:53:54 PM



#90  
Hexachloroethane  
Concen: 22.388 ug/l  
RT: 12.93 min Scan# 1247  
Delta R.T. 0.00 min  
Lab File: VF060593.D  
Acq: 6 Nov 2018 3:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 66.0  | 35.2  | 105.6 |





#91

1,2-Dichlorobenzene

Concen: 22.593 ug/l

RT: 12.95 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VF060593.D

Acq: 6 Nov 2018 3:51

Instrument :

MSVOA\_F

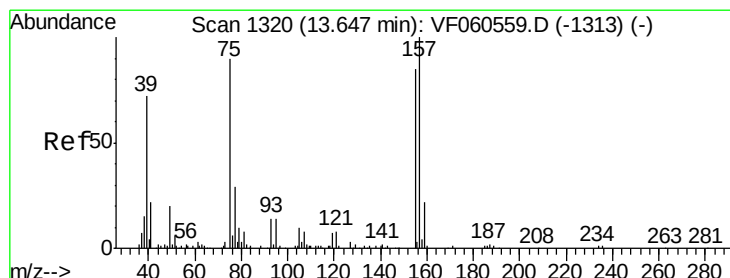
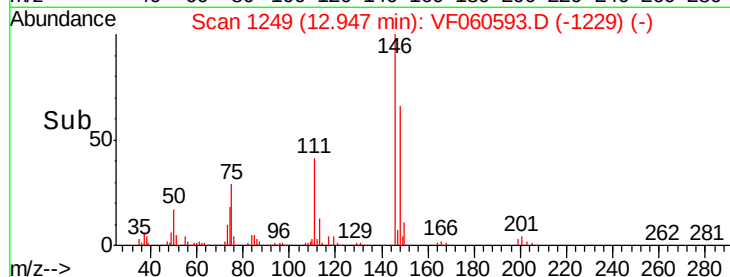
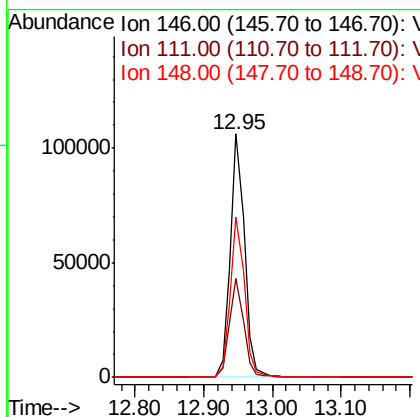
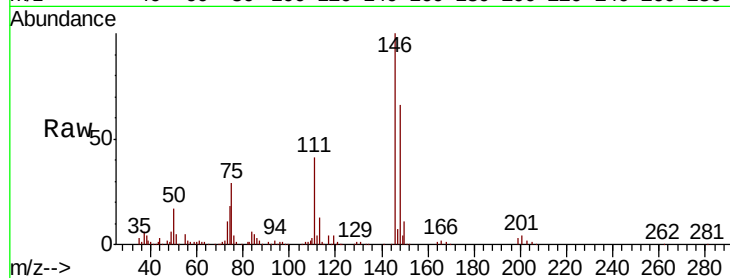
ClientSampleId :

VF1105SBS02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 152304 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 40.9  | 21.3  | 64.0   |
| 148       | 66.0  | 32.9  | 98.7   |

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11/6/2018 12:53:54 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.947 ug/l

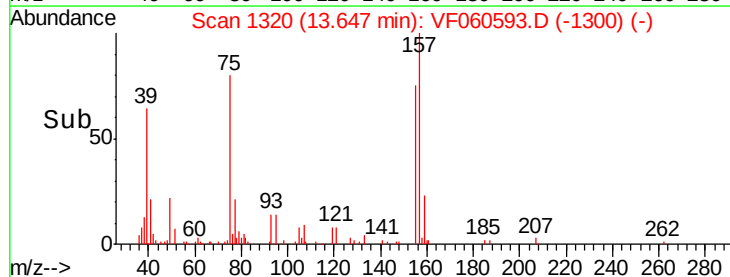
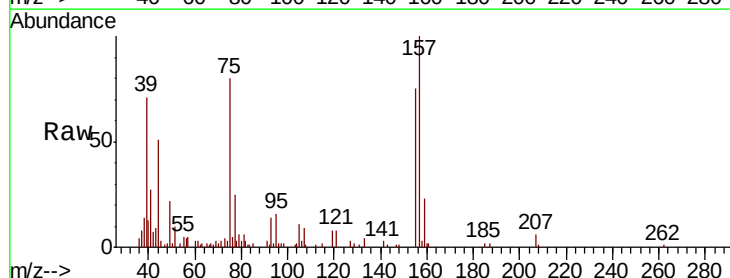
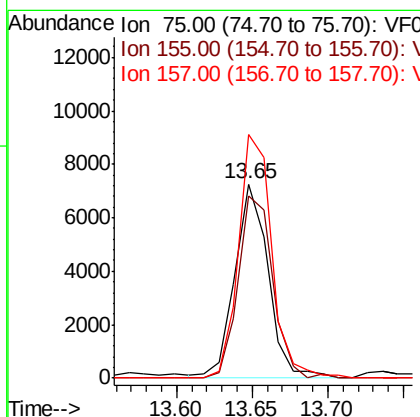
RT: 13.65 min Scan# 1320

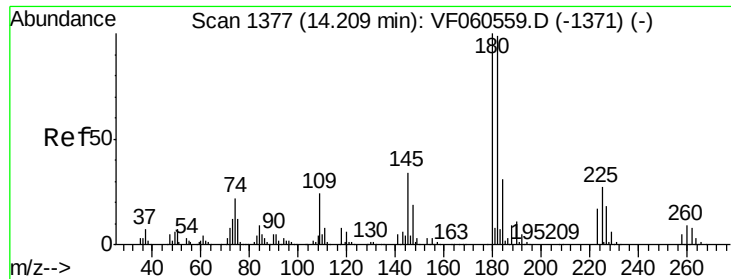
Delta R.T. 0.00 min

Lab File: VF060593.D

Acq: 6 Nov 2018 3:51

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 11145 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 94.1  | 47.3  | 141.8 |
| 157       | 125.6 | 55.3  | 165.9 |





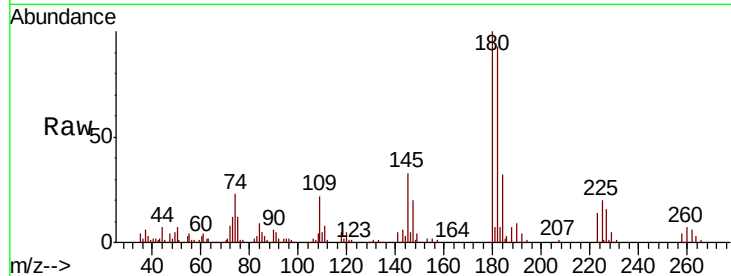
#93  
 1,2,4-Trichlorobenzene  
 Concen: 21.482 ug/l  
 RT: 14.21 min Scan# 1377  
 Delta R.T. 0.00 min  
 Lab File: VF060593.D  
 Acq: 6 Nov 2018 3:51

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF1105SBSD02

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 98384 |       |       |
| 182     | 92.6  | 49.7  | 149.1 |       |
| 145     | 32.6  | 16.9  | 50.7  |       |

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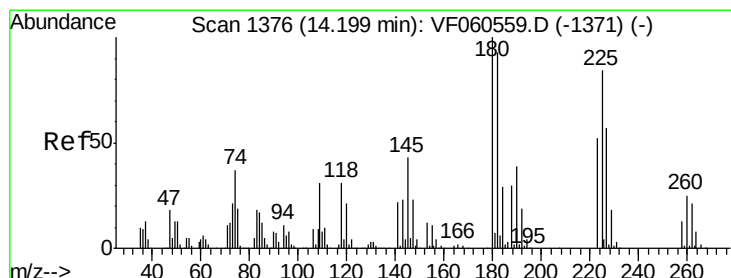
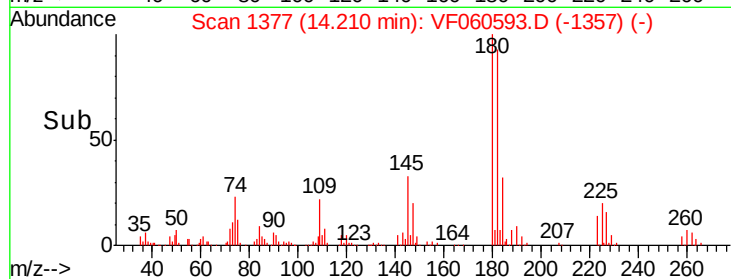
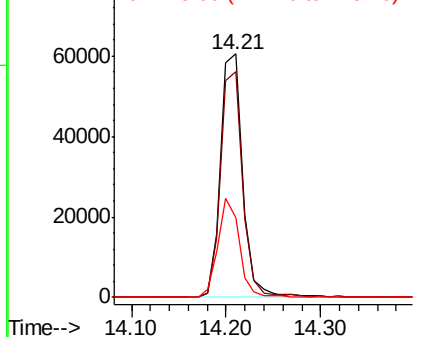


Abundance

Ion 180.00 (179.70 to 180.70): V

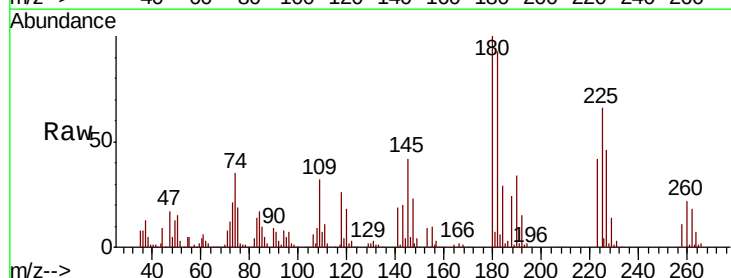
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94  
 Hexachlorobutadiene  
 Concen: 20.148 ug/l  
 RT: 14.20 min Scan# 1376  
 Delta R.T. 0.00 min  
 Lab File: VF060593.D  
 Acq: 6 Nov 2018 3:51

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 59793 |       |       |
| 223     | 63.1  | 30.9  | 92.5  |       |
| 227     | 69.6  | 33.9  | 101.6 |       |

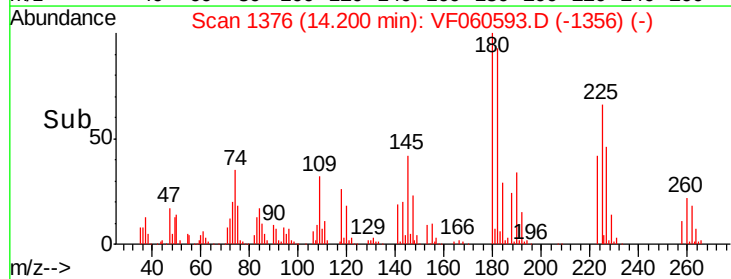
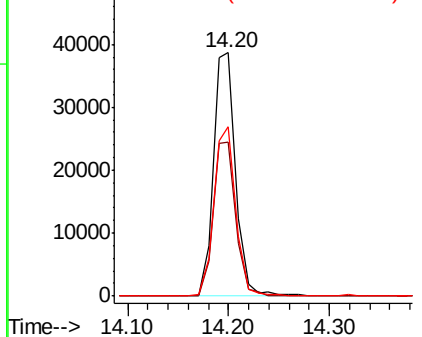


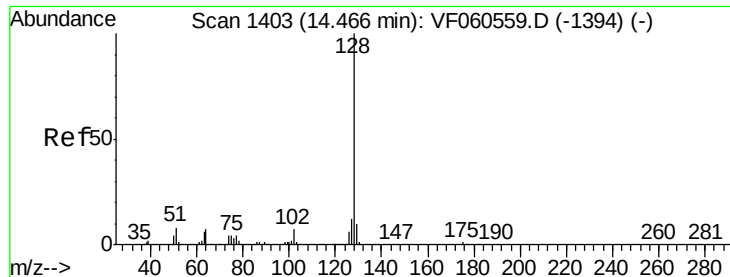
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 22.070 ug/l

RT: 14.47 min Scan# 1403

Delta R.T. 0.00 min

Lab File: VF060593.D

Acq: 6 Nov 2018 3:51

Instrument :

MSVOA\_F

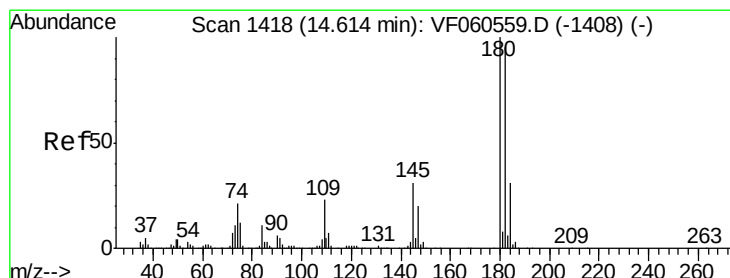
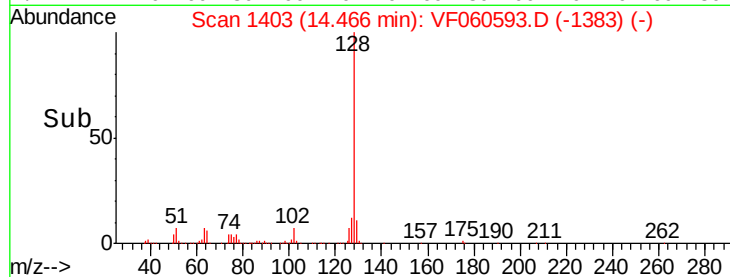
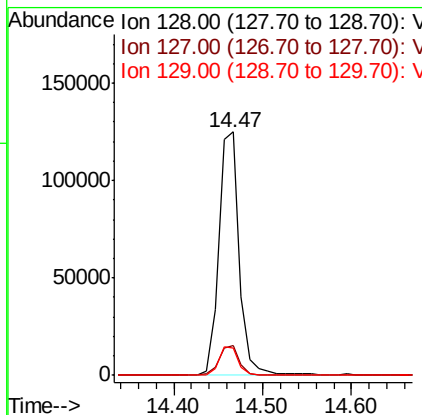
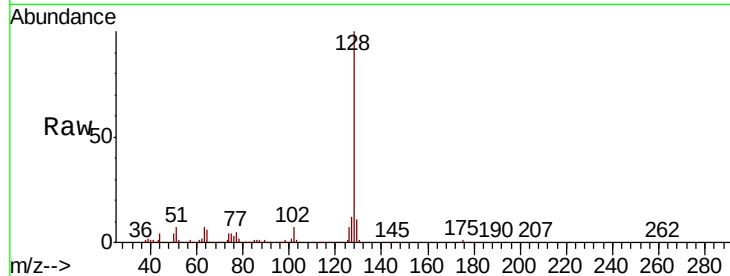
ClientSampleId :

VF1105SBSD02

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 128     | 100  |       | 202301 |       |       |
| 127     | 12.3 | 9.4   | 14.0   |       |       |
| 129     | 11.4 | 8.4   | 12.6   |       |       |

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11/6/2018 12:53:54 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.372 ug/l

RT: 14.60 min Scan# 1417

Delta R.T. -0.01 min

Lab File: VF060593.D

Acq: 6 Nov 2018 3:51

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 180     | 100  |       | 88136 |       |       |
| 182     | 98.7 | 47.3  | 142.0 |       |       |
| 145     | 36.4 | 15.6  | 46.8  |       |       |

