

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080218\  
 Data File : VF059796.D  
 Acq On : 2 Aug 2018 12:51  
 Operator : VA/AP  
 Sample : VSTDCCC050  
 Misc : 5.00µ/5mL/MSVOA F/SOIL  
 ALS Vial : 81 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

apatel  
 8/3/2018 2:38:56 PM

Quant Time: Aug 02 13:09:55 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F073018S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 31 15:23:22 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.03  | 168  | 212030   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.75  | 114  | 310344   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.91  | 117  | 299270   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.63 | 152  | 185185   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 5.02   | 65  | 183217   | 48.08 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.16% |      |
| 35) Dibromofluoromethane  | 4.29   | 113 | 154770   | 48.01 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.02% |      |
| 50) Toluene-d8            | 7.71   | 98  | 365517   | 48.63 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.26% |      |
| 62) 4-Bromofluorobenzene  | 11.50  | 95  | 198694   | 47.75 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.50% |      |

## Target Compounds

|                               |      |     |         |        |        | Qvalue |
|-------------------------------|------|-----|---------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 0.98 | 85  | 107282  | 44.36  | ug/l   | 93     |
| 3) Chloromethane              | 1.08 | 50  | 62374   | 50.73  | ug/l   | 92     |
| 4) Vinyl Chloride             | 1.15 | 62  | 62764   | 47.56  | ug/l # | 82     |
| 5) Bromomethane               | 1.33 | 94  | 53402   | 49.43  | ug/l   | 99     |
| 6) Chloroethane               | 1.42 | 64  | 43966   | 55.45  | ug/l # | 82     |
| 7) Trichlorofluoromethane     | 1.54 | 101 | 170398m | 43.03  | ug/l   |        |
| 8) Diethyl Ether              | 1.69 | 74  | 31633   | 46.72  | ug/l   | 80     |
| 9) 1,1,2-Trichlorotrifluoroet | 1.89 | 101 | 95074   | 45.84  | ug/l # | 88     |
| 10) Methyl Iodide             | 1.96 | 142 | 149080  | 51.12  | ug/l   | 90     |
| 11) Tert butyl alcohol        | 2.69 | 59  | 36699   | 238.79 | ug/l   | 99     |
| 12) 1,1-Dichloroethene        | 1.85 | 96  | 76392   | 46.52  | ug/l   | 95     |
| 13) Acrolein                  | 2.09 | 56  | 22590   | 278.72 | ug/l   | 87     |
| 14) Allyl chloride            | 2.19 | 41  | 130137  | 49.64  | ug/l   | 88     |
| 15) Acrylonitrile             | 3.07 | 53  | 69228   | 281.16 | ug/l   | 89     |
| 16) Acetone                   | 2.33 | 43  | 181867  | 265.34 | ug/l   | 95     |
| 17) Carbon Disulfide          | 1.88 | 76  | 160650  | 47.57  | ug/l   | 99     |
| 18) Methyl Acetate            | 2.44 | 43  | 57679   | 54.68  | ug/l   | 97     |
| 19) Methyl tert-butyl Ether   | 2.53 | 73  | 236752  | 47.28  | ug/l   | 99     |
| 20) Methylene Chloride        | 2.27 | 84  | 80556m  | 54.54  | ug/l   |        |
| 21) trans-1,2-Dichloroethene  | 2.40 | 96  | 69682   | 48.39  | ug/l   | 92     |
| 22) Diisopropyl ether         | 2.92 | 45  | 275137  | 49.63  | ug/l   | 95     |
| 23) Vinyl Acetate             | 3.33 | 43  | 776127  | 272.30 | ug/l   | 97     |
| 24) 1,1-Dichloroethane        | 2.99 | 63  | 181955  | 47.24  | ug/l   | 97     |
| 25) 2-Butanone                | 4.50 | 43  | 181503  | 237.28 | ug/l # | 73     |
| 26) 2,2-Dichloropropane       | 3.75 | 77  | 127515  | 46.44  | ug/l   | 95     |
| 27) cis-1,2-Dichloroethene    | 3.63 | 96  | 99848   | 48.41  | ug/l   | 95     |
| 28) Bromochloromethane        | 3.88 | 49  | 74280   | 55.91  | ug/l # | 78     |
| 29) Tetrahydrofuran           | 4.26 | 42  | 70253   | 238.96 | ug/l   | 98     |
| 30) Chloroform                | 4.03 | 83  | 248510  | 45.71  | ug/l   | 93     |
| 31) Cyclohexane               | 3.85 | 56  | 97053   | 52.17  | ug/l   | 92     |
| 32) 1,1,1-Trichloroethane     | 4.27 | 97  | 189734  | 45.00  | ug/l   | 98     |
| 36) 1,1-Dichloropropene       | 4.45 | 75  | 149092  | 47.24  | ug/l   | 99     |
| 37) Ethyl Acetate             | 4.29 | 43  | 78398   | 50.68  | ug/l # | 93     |
| 38) Carbon Tetrachloride      | 4.16 | 117 | 227004  | 46.01  | ug/l   | 99     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080218\  
 Data File : VF059796.D  
 Acq On : 2 Aug 2018 12:51  
 Operator : VA/AP  
 Sample : VSTDCCC050  
 Misc : 5.00µ/5mL/MSVOA F/SOIL  
 ALS Vial : 81 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

apatel  
 8/3/2018 2:38:56 PM

Quant Time: Aug 02 13:09:55 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F073018S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 31 15:23:22 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 5.62  | 83   | 116430   | 48.47   | ug/l   | 98       |
| 40) Benzene                    | 4.80  | 78   | 284045   | 45.32   | ug/l   | 99       |
| 41) Methacrylonitrile          | 4.92  | 41   | 36694    | 46.79   | ug/l # | 85       |
| 42) 1,2-Dichloroethane         | 5.10  | 62   | 191530   | 43.67   | ug/l   | 99       |
| 43) Isopropyl Acetate          | 7.10  | 43   | 85320    | 45.98   | ug/l # | 94       |
| 44) Trichloroethene            | 5.67  | 130  | 107467   | 51.26   | ug/l   | 87       |
| 45) 1,2-Dichloropropane        | 6.40  | 63   | 78452    | 47.40   | ug/l   | 99       |
| 46) Dibromomethane             | 6.25  | 93   | 72803    | 46.33   | ug/l   | 92       |
| 47) Bromodichloromethane       | 6.54  | 83   | 196506   | 45.92   | ug/l   | 100      |
| 48) Methyl methacrylate        | 6.87  | 41   | 65688    | 47.06   | ug/l   | 94       |
| 49) 1,4-Dioxane                | 6.86  | 88   | 10254    | 1134.07 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone       | 8.40  | 43   | 352469   | 249.69  | ug/l   | 98       |
| 52) Toluene                    | 7.78  | 92   | 207014   | 49.59   | ug/l   | 95       |
| 53) t-1,3-Dichloropropene      | 8.43  | 75   | 171049   | 46.07   | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene    | 7.45  | 75   | 180247   | 50.12   | ug/l   | 91       |
| 55) 1,1,2-Trichloroethane      | 8.63  | 97   | 80747    | 47.57   | ug/l   | 93       |
| 56) Ethyl methacrylate         | 8.75  | 69   | 91899    | 51.92   | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 9.00  | 76   | 138692   | 47.63   | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether  | 7.78  | 63   | 42061    | 205.80  | ug/l   | 100      |
| 59) 2-Hexanone                 | 9.63  | 43   | 254348   | 224.84  | ug/l   | 96       |
| 60) Dibromochloromethane       | 8.86  | 129  | 136447   | 45.56   | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 9.14  | 107  | 95299    | 48.08   | ug/l   | 94       |
| 64) Tetrachloroethene          | 8.30  | 164  | 100427   | 49.68   | ug/l   | 97       |
| 65) Chlorobenzene              | 9.93  | 112  | 290623   | 48.55   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.06 | 131  | 130789   | 46.79   | ug/l   | 97       |
| 67) Ethyl Benzene              | 10.03 | 91   | 494598   | 47.75   | ug/l   | 98       |
| 68) m/p-Xylenes                | 10.26 | 106  | 353455   | 110.10  | ug/l   | 99       |
| 69) o-Xylene                   | 10.82 | 106  | 191755   | 50.24   | ug/l   | 95       |
| 70) Styrene                    | 10.90 | 104  | 289817   | 50.13   | ug/l   | 96       |
| 71) Bromoform                  | 10.88 | 173  | 86788    | 47.65   | ug/l # | 97       |
| 73) Isopropylbenzene           | 11.23 | 105  | 605630   | 49.84   | ug/l   | 99       |
| 74) N-amyl acetate             | 11.46 | 43   | 150325   | 49.04   | ug/l   | 95       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.78 | 83   | 117259   | 51.27   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 11.89 | 75   | 98104    | 50.44   | ug/l   | 99       |
| 77) Bromobenzene               | 11.59 | 156  | 153776   | 48.46   | ug/l   | 95       |
| 78) n-propylbenzene            | 11.69 | 91   | 679854   | 55.10   | ug/l   | 96       |
| 79) 2-Chlorotoluene            | 11.81 | 91   | 429074   | 55.20   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 11.91 | 105  | 514961   | 53.67   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 11.95 | 75   | 55397    | 68.78   | ug/l   | 93       |
| 82) 4-Chlorotoluene            | 11.98 | 91   | 449637   | 54.02   | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.21 | 119  | 522616   | 47.91   | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene     | 12.28 | 105  | 529074   | 54.51   | ug/l   | 99       |
| 85) sec-Butylbenzene           | 12.39 | 105  | 694100   | 56.64   | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 12.54 | 119  | 592770   | 55.39   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 12.56 | 146  | 291907   | 56.96   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 12.64 | 146  | 282761   | 54.23   | ug/l   | 99       |
| 89) n-Butylbenzene             | 12.92 | 91   | 576223   | 56.90   | ug/l   | 98       |
| 90) Hexachloroethane           | 12.99 | 117  | 147111   | 48.00   | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.02 | 146  | 278201   | 55.35   | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.71 | 75   | 27679    | 49.50   | ug/l   | 91       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF080218\  
Data File : VF059796.D  
Acq On : 2 Aug 2018 12:51  
Operator : VA/AP  
Sample : VSTDCCC050  
Misc : 5.00µ/5mL/MSVOA F/SOIL  
ALS Vial : 81 Sample Multiplier: 1

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

apatel  
8/3/2018 2:38:56 PM

Quant Time: Aug 02 13:09:55 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F073018S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 31 15:23:22 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.26 | 180  | 222819   | 55.79 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 14.25 | 225  | 145223   | 47.81 | ug/l  | 99       |
| 95) Naphthalene            | 14.52 | 128  | 399156   | 49.99 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.67 | 180  | 218523   | 49.52 | ug/l  | 98       |

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

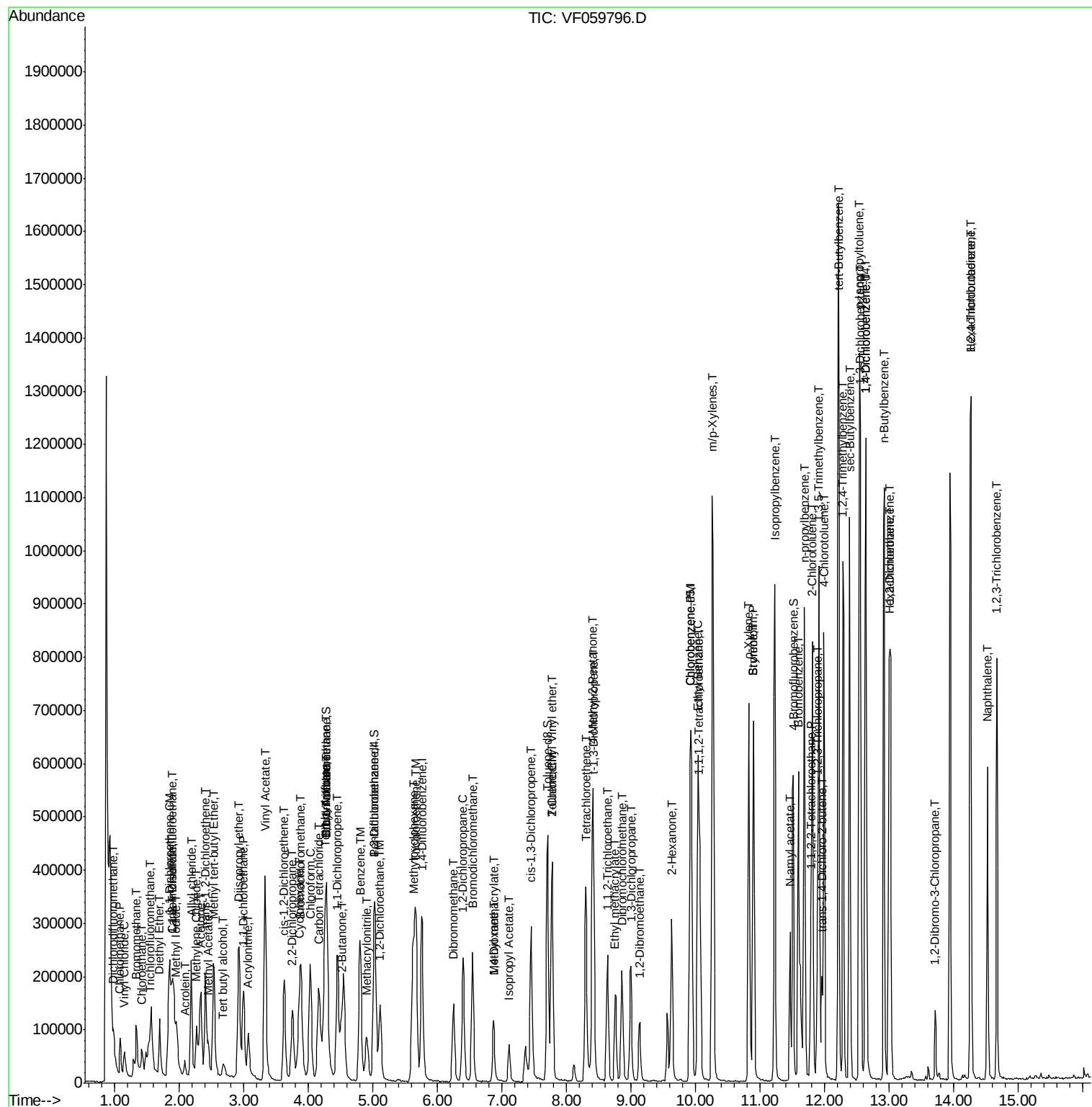
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF080218\  
 Data File : VF059796.D  
 Acq On : 2 Aug 2018 12:51  
 Operator : VA/AP  
 Sample : VSTDCCC050  
 Misc : 5.00µ/5mL/MSVOA F/SOIL  
 ALS Vial : 81 Sample Multiplier: 1

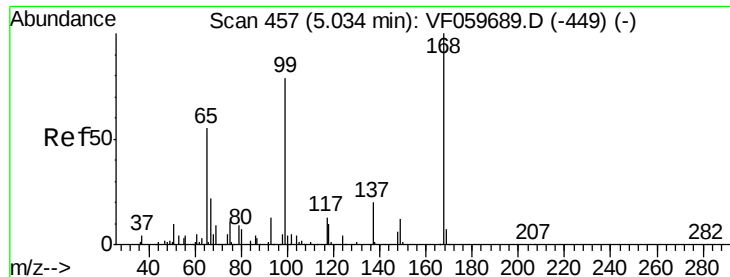
Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

apatel  
 8/3/2018 2:38:56 PM

Quant Time: Aug 02 13:09:55 2018  
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F073018S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 31 15:23:22 2018  
 Response via : Initial Calibration





#1

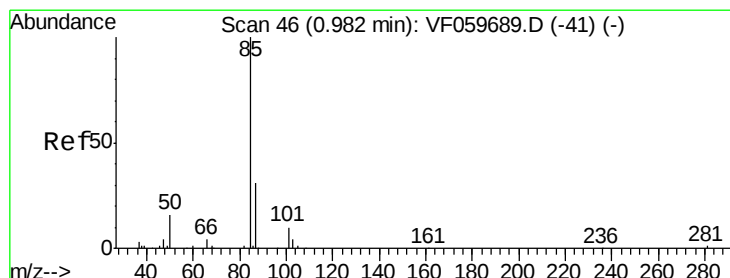
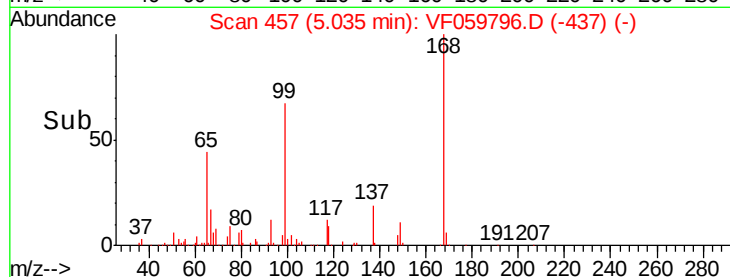
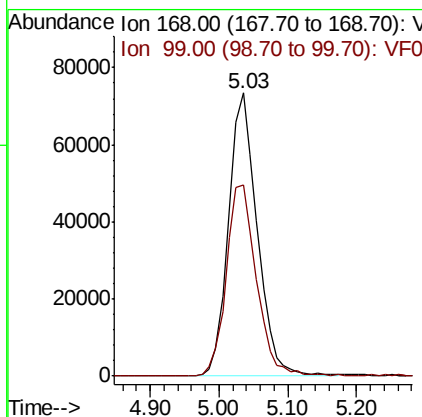
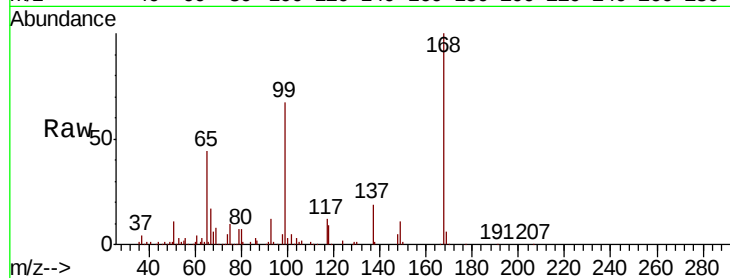
Pentafluorobenzene  
 Concen: 50.00 ug/l  
 RT: 5.03 min Scan# 457  
 Delta R.T. 0.00 min  
 Lab File: VF059796.D  
 Acq: 2 Aug 2018 12:51

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 99      | 67.5  | 63.3  | 94.9  |

Manual Integrations  
 APPROVED

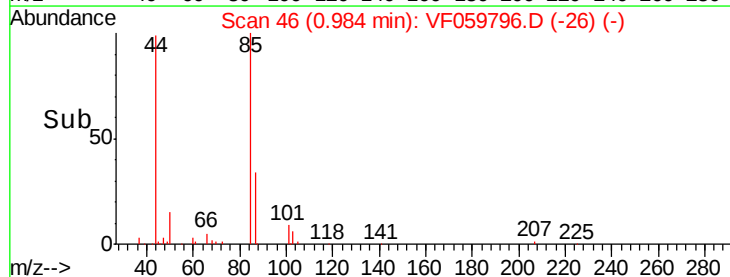
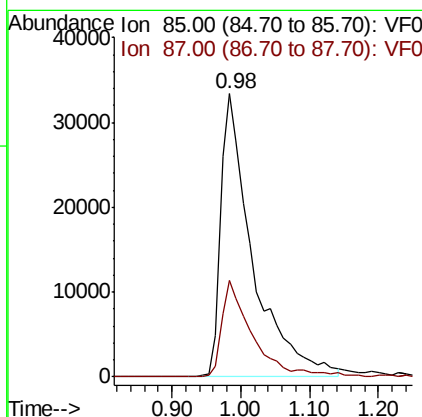
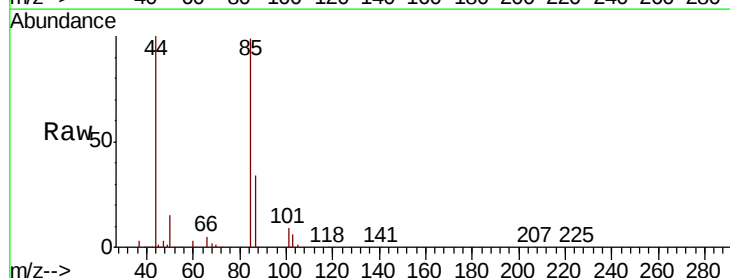
apatel  
 8/3/2018 2:38:56 PM

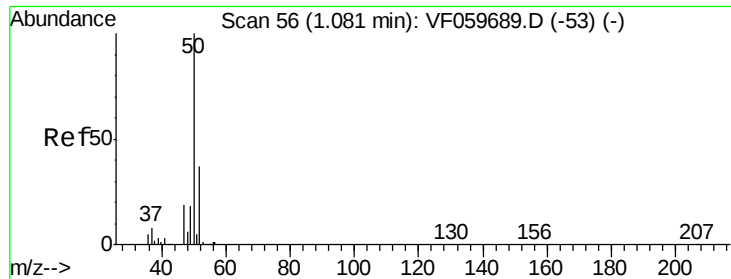


#2

Dichlorodifluoromethane  
 Concen: 44.36 ug/l  
 RT: 0.98 min Scan# 46  
 Delta R.T. 0.00 min  
 Lab File: VF059796.D  
 Acq: 2 Aug 2018 12:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 85      | 100   |       |       |
| 87      | 34.3  | 15.3  | 45.8  |





#3

Chloromethane

Concen: 50.73 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059796.D

Acq: 2 Aug 2018 12:51

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 62374

Ion Ratio Lower Upper

50 100

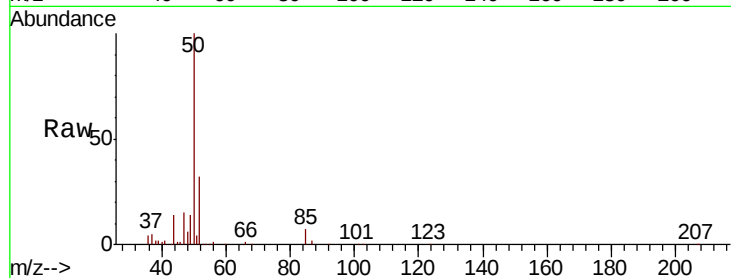
52 31.6 29.1 43.7

Manual Integrations

APPROVED

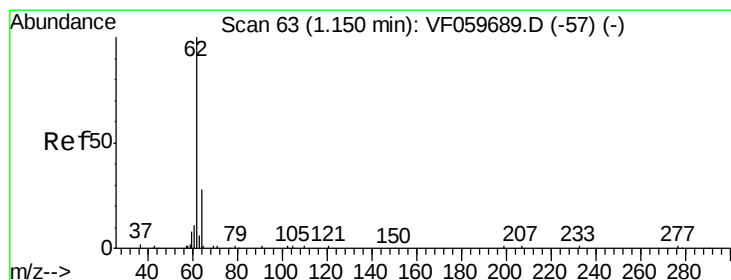
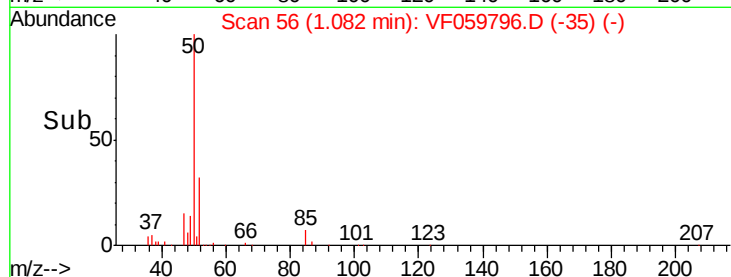
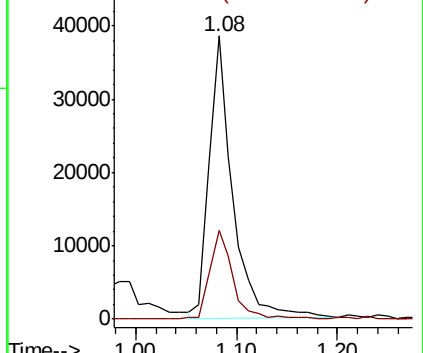
apatel

8/3/2018 2:38:56 PM



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 47.56 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059796.D

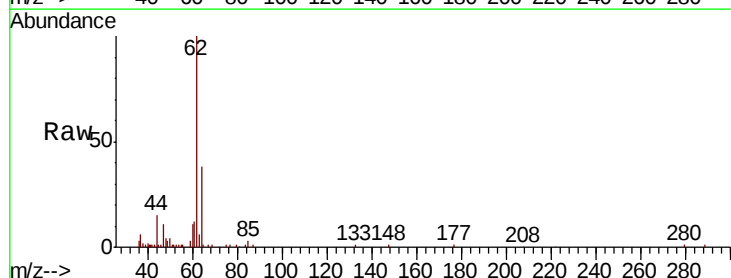
Acq: 2 Aug 2018 12:51

Tgt Ion: 62 Resp: 62764

Ion Ratio Lower Upper

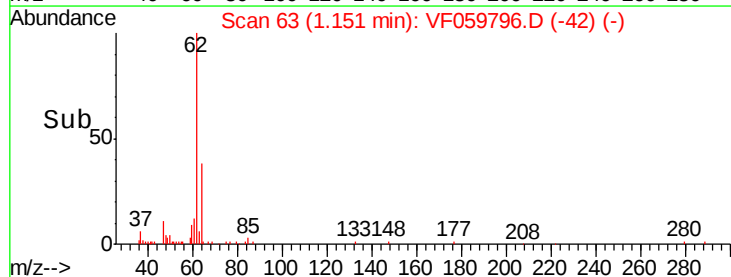
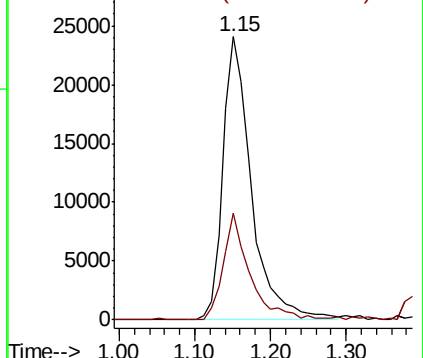
62 100

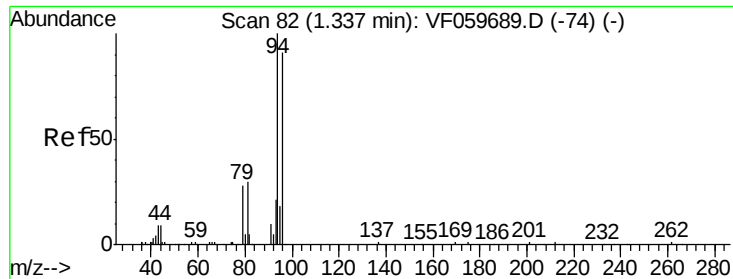
64 37.8 22.6 33.8#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 49.43 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF059796.D

Acq: 2 Aug 2018 12:51

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 53402

Ion Ratio Lower Upper

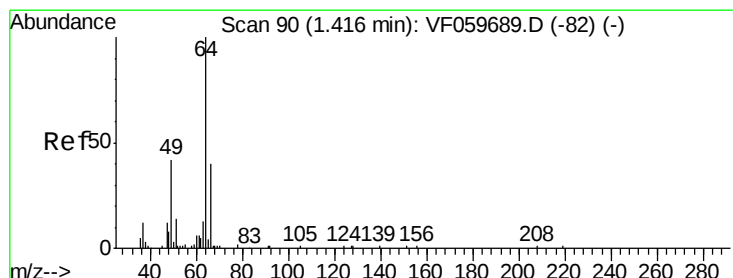
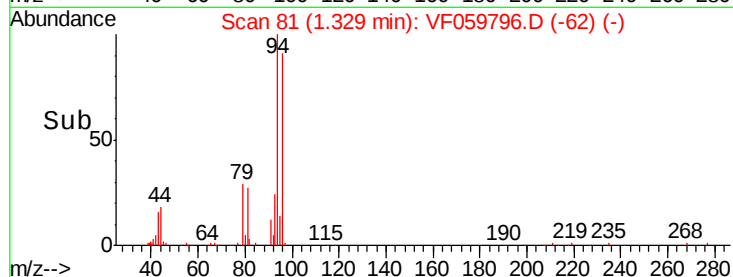
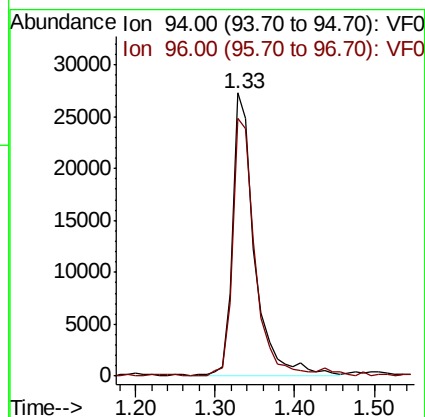
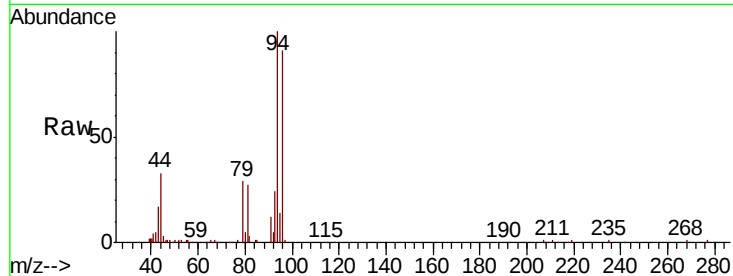
94 100

96 91.1 73.6 110.4

Manual Integrations  
APPROVED

apatel

8/3/2018 2:38:56 PM



#6

Chloroethane

Concen: 55.45 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.00 min

Lab File: VF059796.D

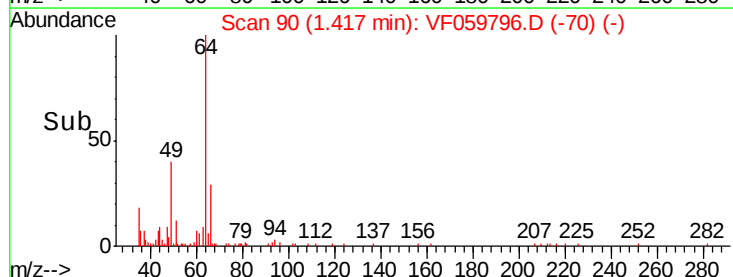
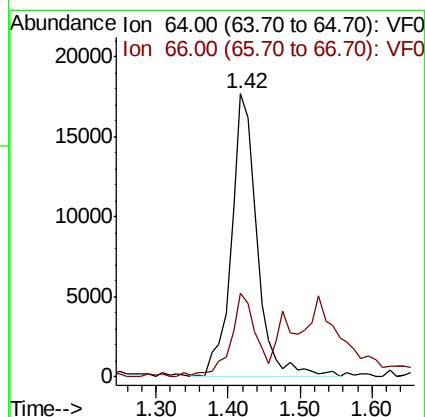
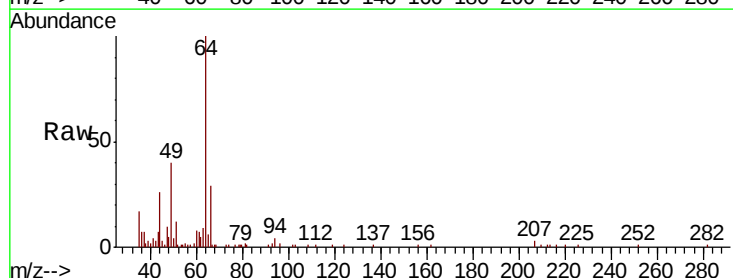
Acq: 2 Aug 2018 12:51

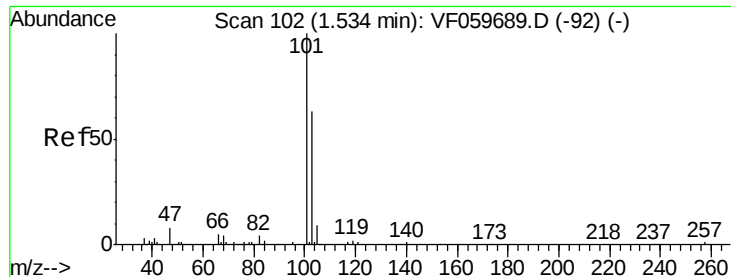
Tgt Ion: 64 Resp: 43966

Ion Ratio Lower Upper

64 100

66 29.3 32.6 49.0#





#7

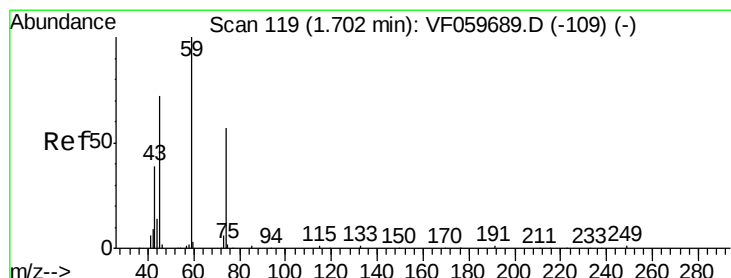
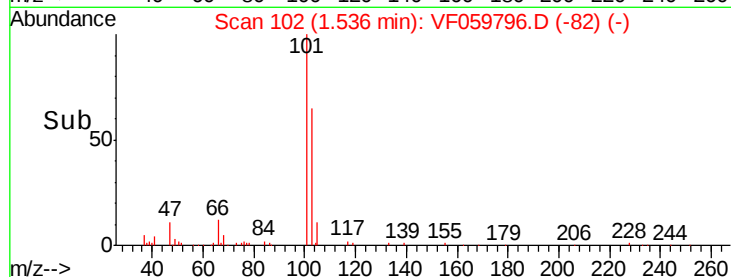
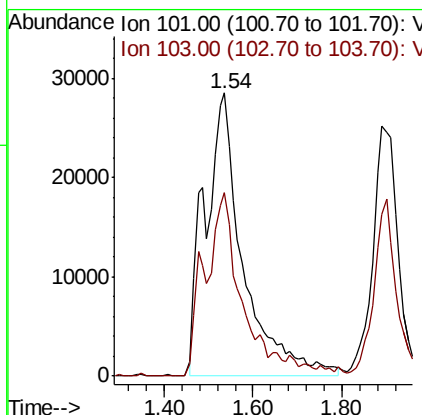
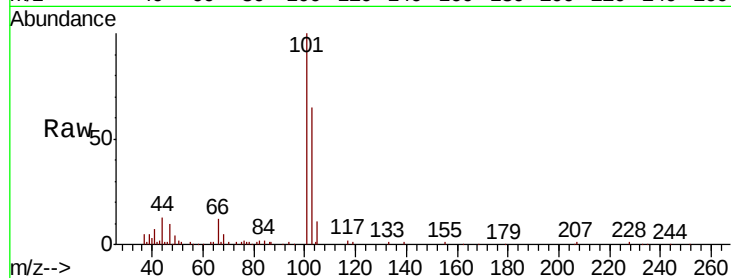
Trichlorofluoromethane  
Concen: 43.03 ug/l m  
RT: 1.54 min Scan# 102  
Delta R.T. 0.00 min  
Lab File: VF059796.D  
Acq: 2 Aug 2018 12:51

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.9  | 50.8  | 76.2  |

Manual Integrations  
APPROVED

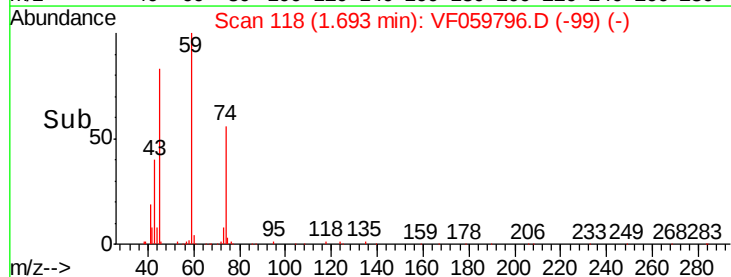
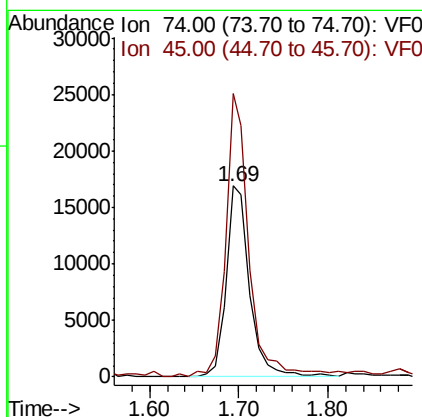
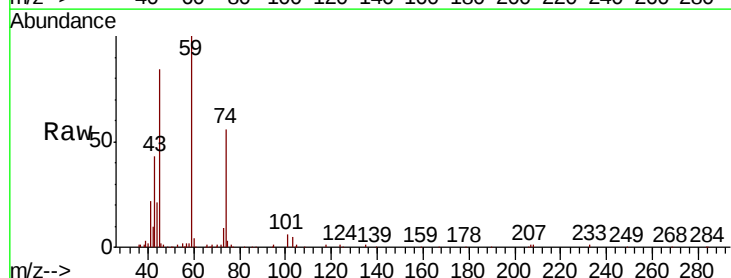
apatel  
8/3/2018 2:38:56 PM

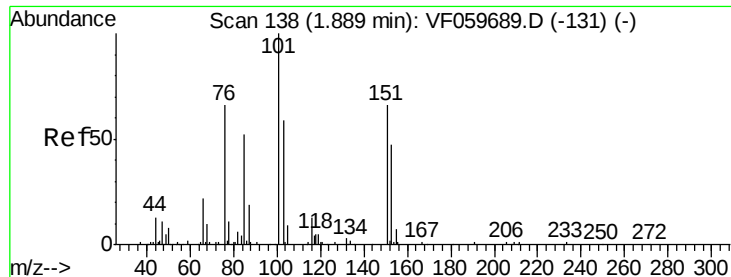


#8

Diethyl Ether  
Concen: 46.72 ug/l  
RT: 1.69 min Scan# 118  
Delta R.T. -0.01 min  
Lab File: VF059796.D  
Acq: 2 Aug 2018 12:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 148.4 | 62.7  | 188.2 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.84 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF059796.D

Acq: 2 Aug 2018 12:51

Instrument :

MSVOA\_F

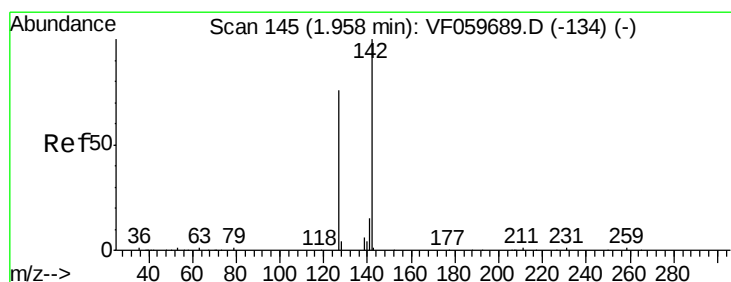
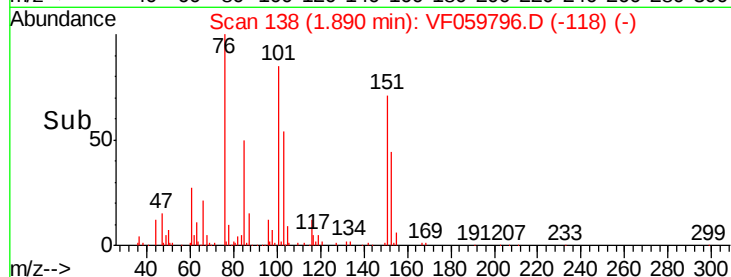
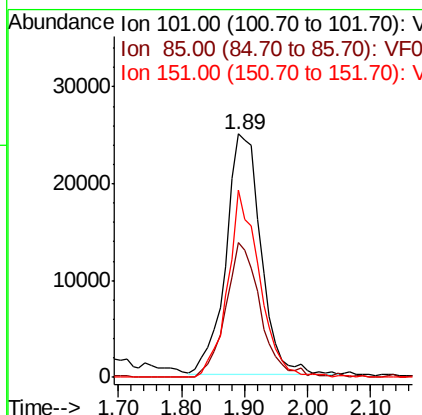
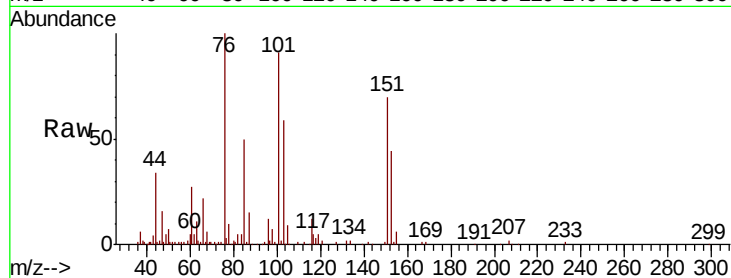
ClientSampleId :

VSTDCCC050

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 95074 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 55.3  | 40.7  | 61.1  |
| 151       | 77.2  | 51.4  | 77.2# |

Manual Integrations  
APPROVED

apatel  
8/3/2018 2:38:56 PM



#10

Methyl Iodide

Concen: 51.12 ug/l

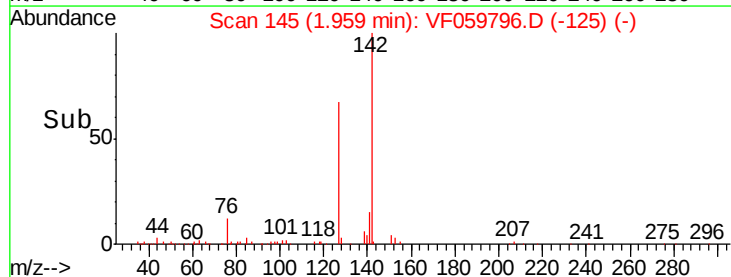
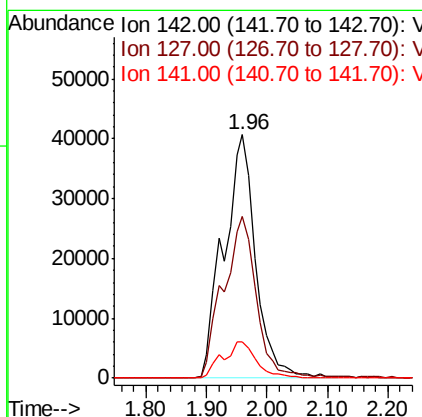
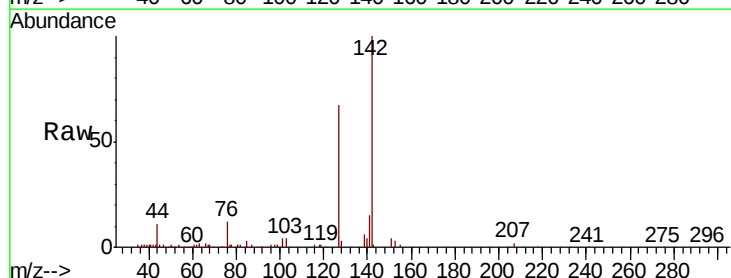
RT: 1.96 min Scan# 145

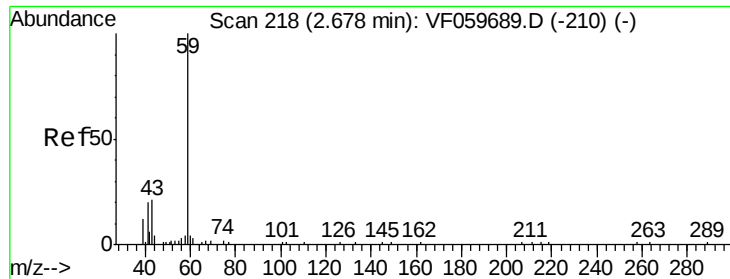
Delta R.T. 0.00 min

Lab File: VF059796.D

Acq: 2 Aug 2018 12:51

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 149080 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 66.0  | 60.6  | 91.0   |
| 141       | 14.7  | 12.0  | 18.0   |





#11

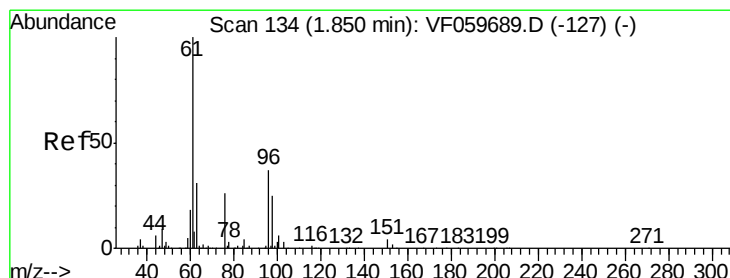
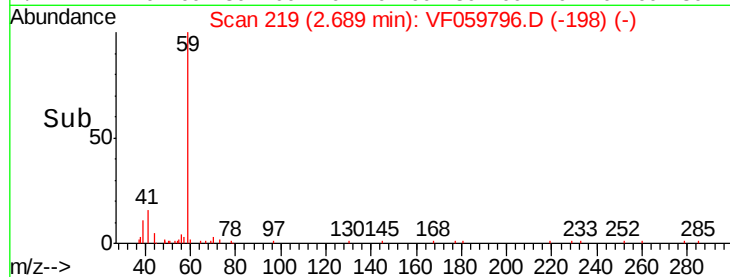
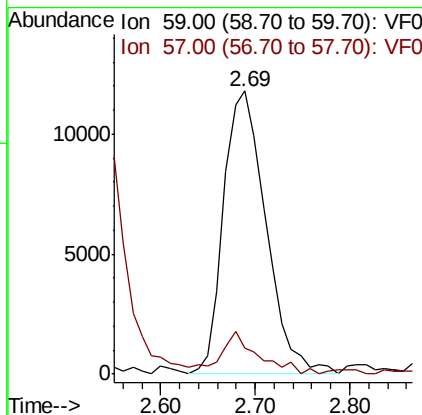
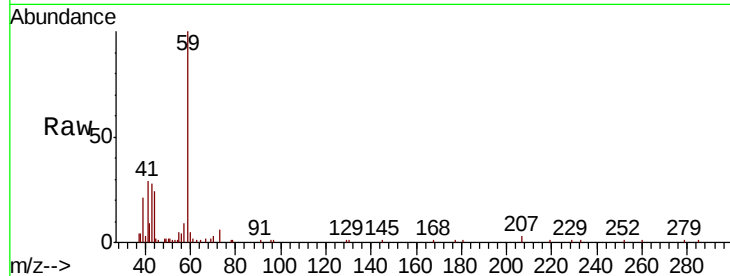
Tert butyl alcohol  
Concen: 238.79 ug/l  
RT: 2.69 min Scan# 219  
Delta R.T. 0.01 min  
Lab File: VF059796.D  
Acq: 2 Aug 2018 12:51

Instrument :  
MSVOA\_F  
ClientSampled :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 9.2   | 7.6   | 11.4  |

Manual Integrations  
APPROVED

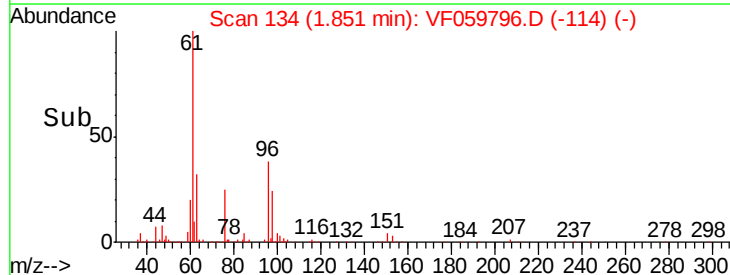
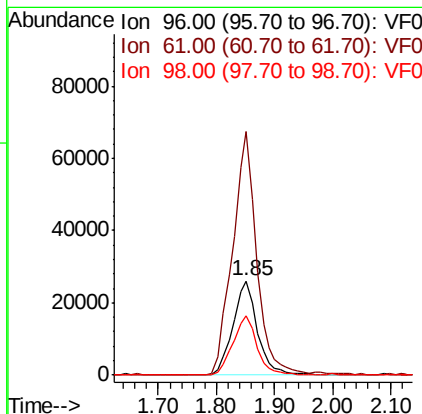
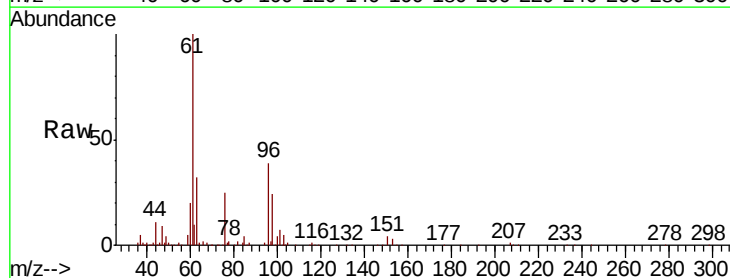
apatel  
8/3/2018 2:38:56 PM

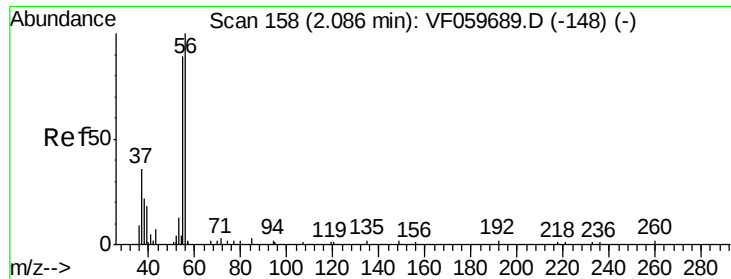


#12

1,1-Dichloroethene  
Concen: 46.52 ug/l  
RT: 1.85 min Scan# 134  
Delta R.T. 0.00 min  
Lab File: VF059796.D  
Acq: 2 Aug 2018 12:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 259.2 | 215.1 | 322.7 |
| 98      | 63.2  | 54.3  | 81.5  |





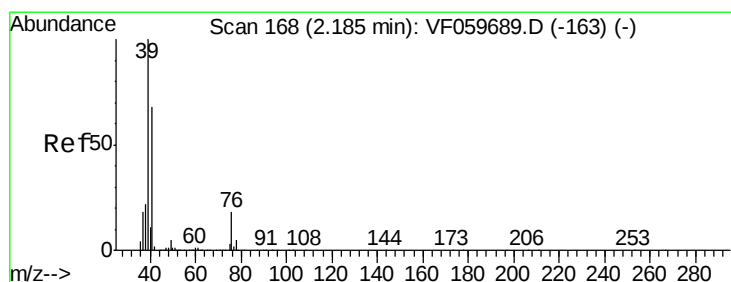
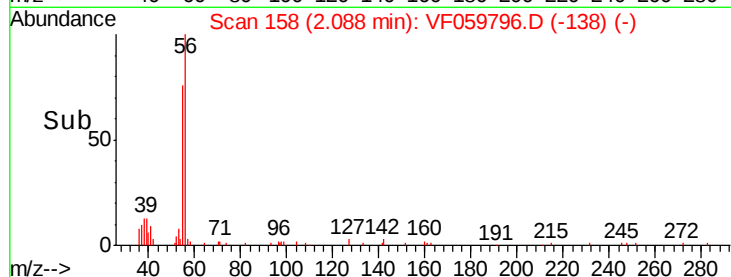
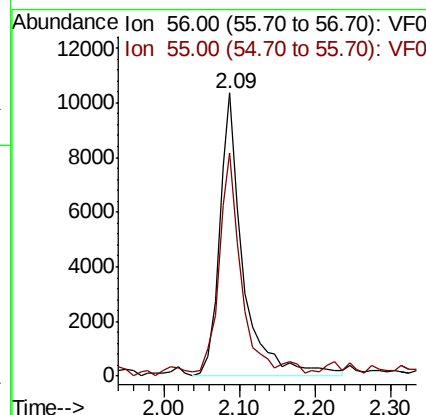
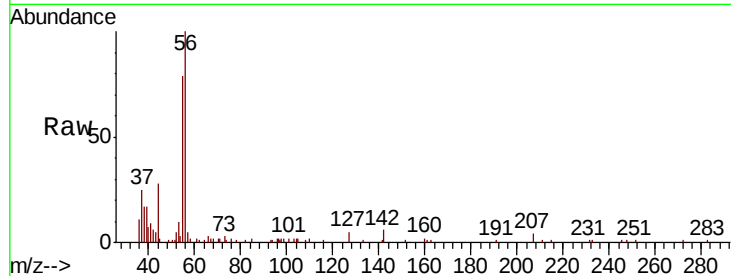
#13  
Acrolein  
Concen: 278.72 ug/l  
RT: 2.09 min Scan# 158  
Delta R.T. 0.00 min  
Lab File: VF059796.D  
Acq: 2 Aug 2018 12:51

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion   | 56   | Resp  | 22590 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 56        | 100  |       |       |
| 55        | 78.7 | 73.2  | 109.8 |

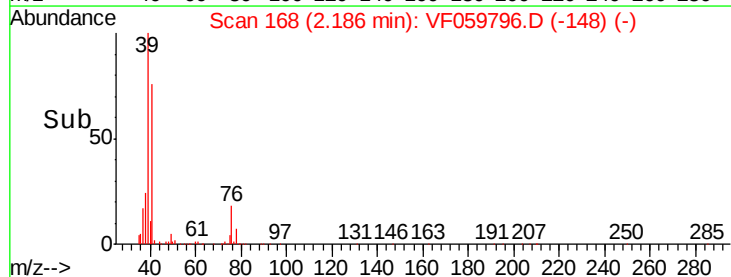
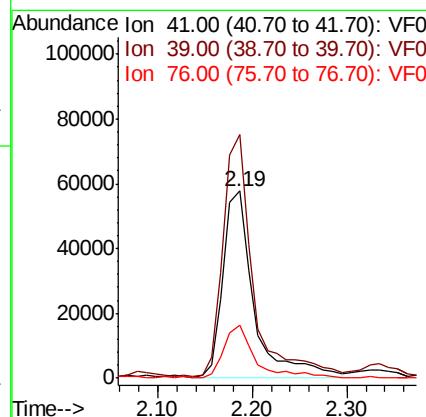
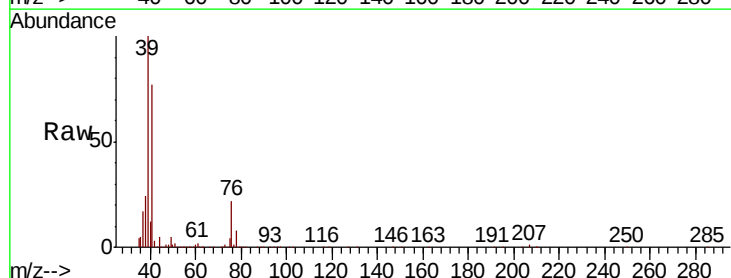
Manual Integrations  
APPROVED

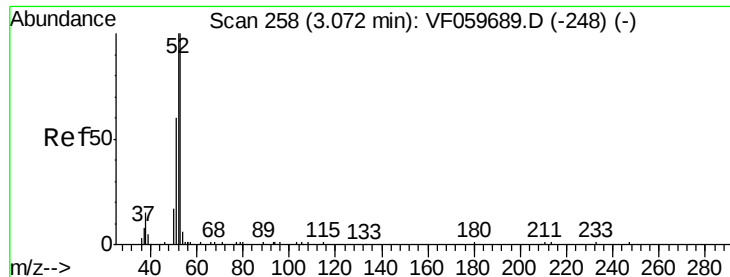
apatel  
8/3/2018 2:38:56 PM



#14  
Allyl chloride  
Concen: 49.64 ug/l  
RT: 2.19 min Scan# 168  
Delta R.T. 0.00 min  
Lab File: VF059796.D  
Acq: 2 Aug 2018 12:51

| Tgt Ion   | 41    | Resp  | 130137 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 41        | 100   |       |        |
| 39        | 130.2 | 118.1 | 177.1  |
| 76        | 28.1  | 22.0  | 33.0   |





#15

Acrylonitrile

Concen: 281.16 ug/l

RT: 3.07 min Scan# 258

Delta R.T. 0.00 min

Lab File: VF059796.D

Acq: 2 Aug 2018 12:51

Instrument :

MSVOA\_F

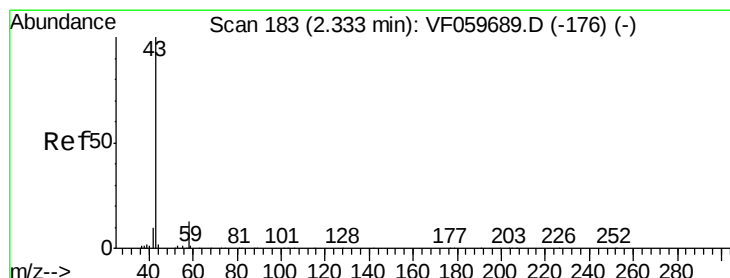
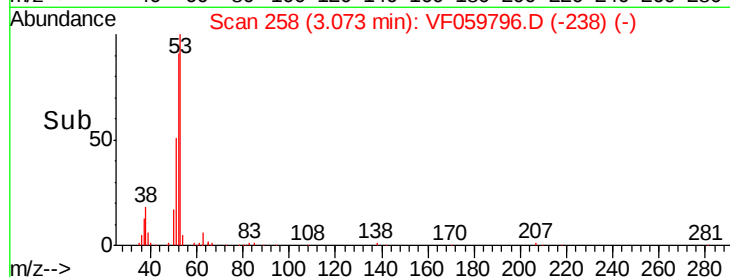
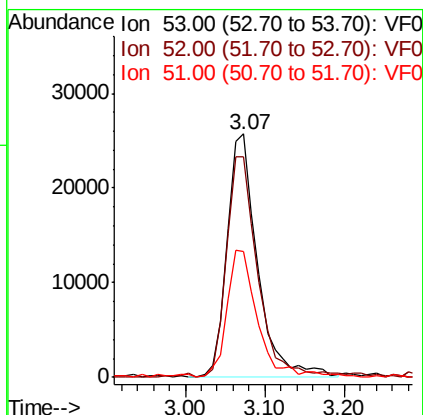
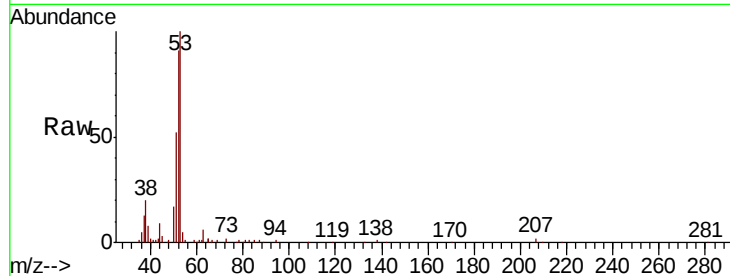
ClientSampleId :

VSTDCCC050

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 69228 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 90.6  | 80.3  | 120.5 |
| 51       | 51.6  | 49.4  | 74.0  |

Manual Integrations  
APPROVED

apatel  
8/3/2018 2:38:56 PM



#16

Acetone

Concen: 265.34 ug/l

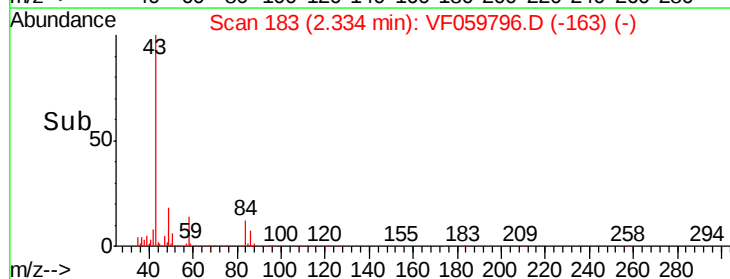
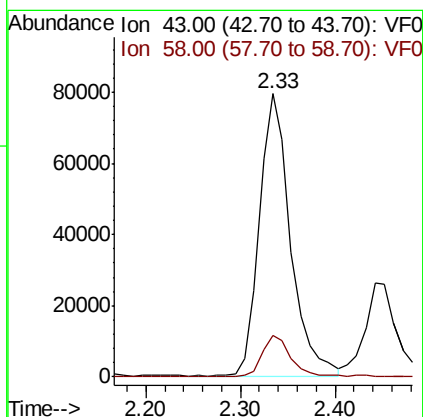
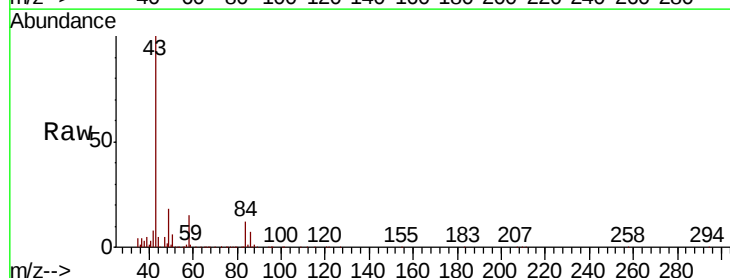
RT: 2.33 min Scan# 183

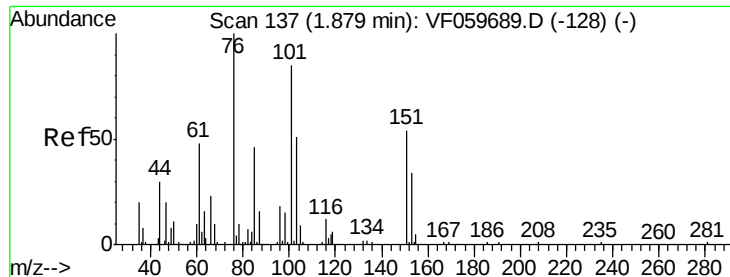
Delta R.T. 0.00 min

Lab File: VF059796.D

Acq: 2 Aug 2018 12:51

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 181867 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 14.7  | 10.1  | 15.1   |





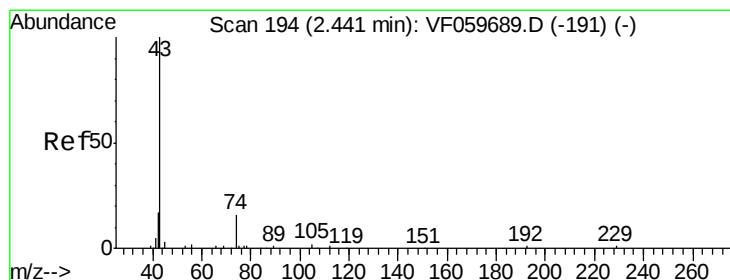
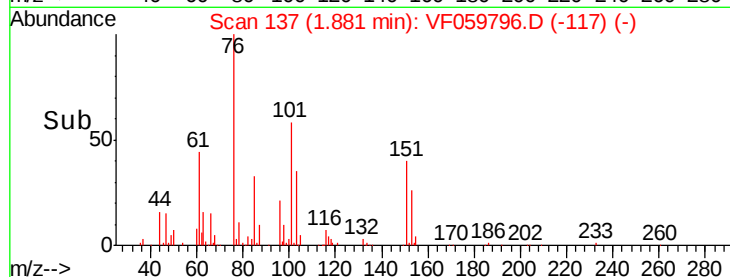
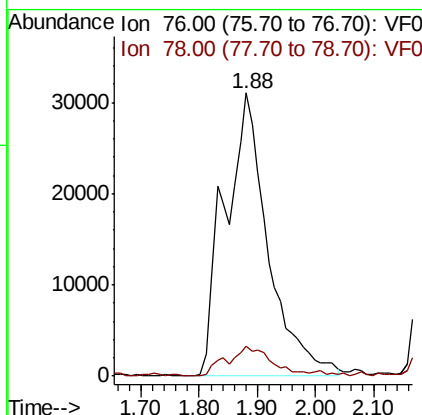
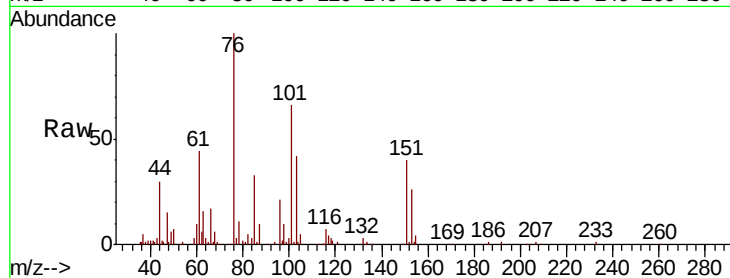
#17  
Carbon Disulfide  
Concen: 47.57 ug/l  
RT: 1.88 min Scan# 137  
Delta R.T. 0.00 min  
Lab File: VF059796.D  
Acq: 2 Aug 2018 12:51

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

Tot Ion: 76 Resp: 160650  
Ion Ratio Lower Upper  
76 100  
78 10.7 8.9 13.3

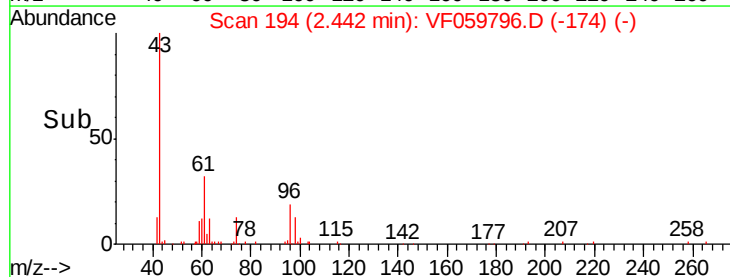
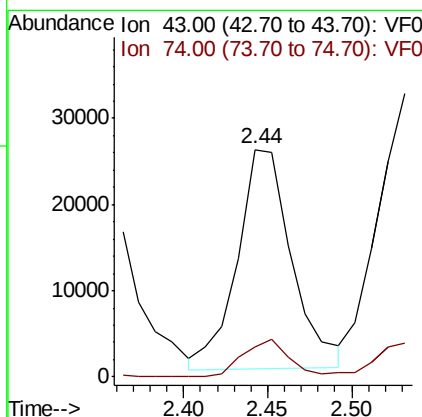
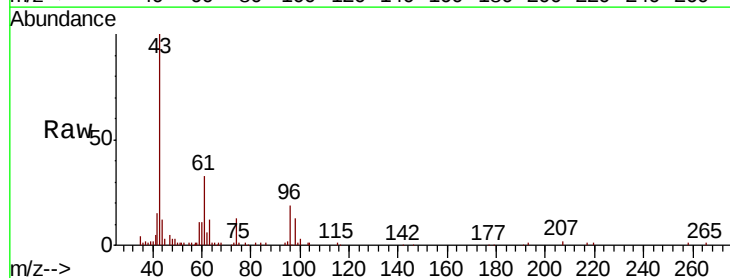
Manual Integrations  
APPROVED

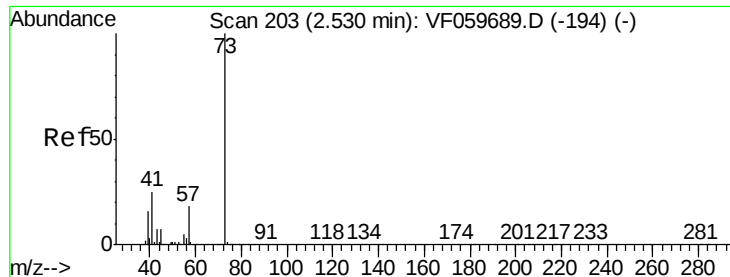
apatel  
8/3/2018 2:38:56 PM



#18  
Methyl Acetate  
Concen: 54.68 ug/l  
RT: 2.44 min Scan# 194  
Delta R.T. 0.00 min  
Lab File: VF059796.D  
Acq: 2 Aug 2018 12:51

Tgt Ion: 43 Resp: 57679  
Ion Ratio Lower Upper  
43 100  
74 13.3 11.8 17.6





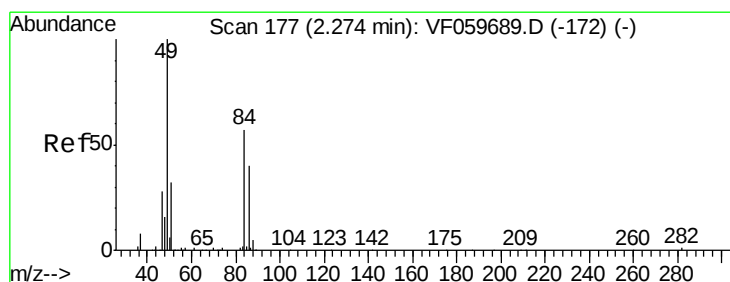
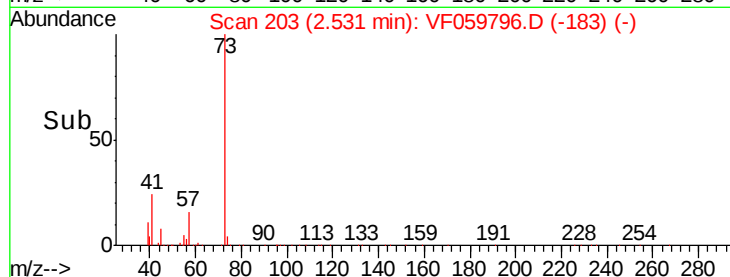
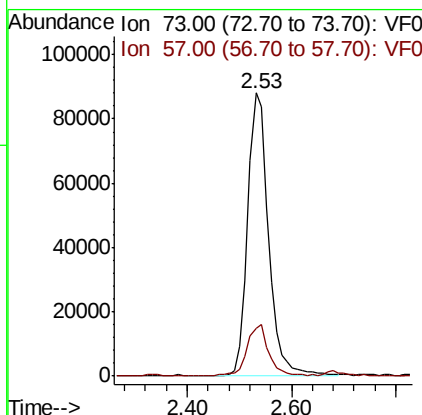
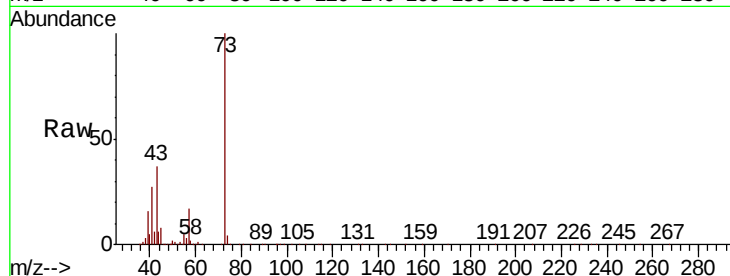
#19  
Methyl tert-butyl Ether  
Concen: 47.28 ug/l  
RT: 2.53 min Scan# 203  
Delta R.T. 0.00 min  
Lab File: VF059796.D  
Acq: 2 Aug 2018 12:51

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 17.0  | 14.2  | 21.2  |

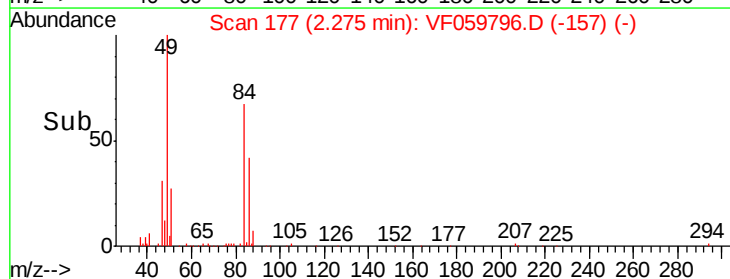
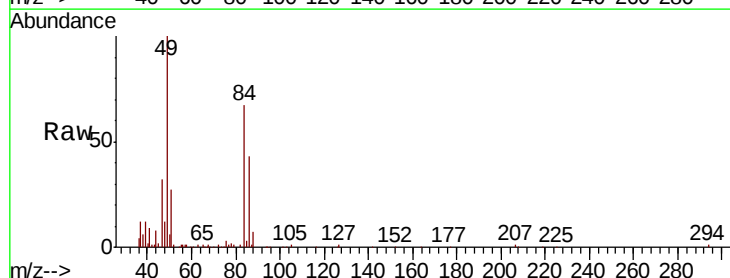
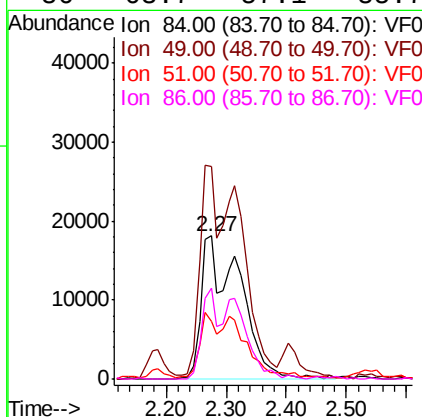
Manual Integrations  
APPROVED

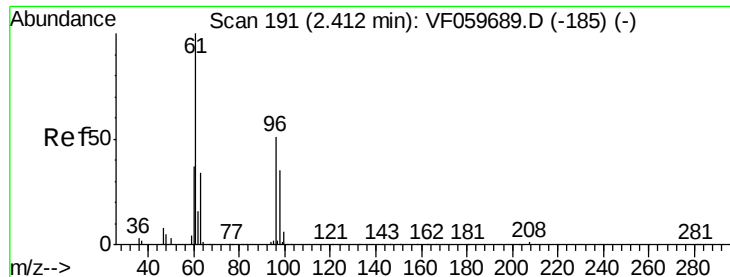
apatel  
8/3/2018 2:38:56 PM



#20  
Methylene Chloride  
Concen: 54.54 ug/l m  
RT: 2.27 min Scan# 177  
Delta R.T. 0.00 min  
Lab File: VF059796.D  
Acq: 2 Aug 2018 12:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 148.9 | 142.2 | 213.4 |
| 51      | 39.9  | 46.2  | 69.2  |
| 86      | 63.7  | 57.1  | 85.7  |





#21

trans-1,2-Dichloroethene

Concen: 48.39 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059796.D

Acq: 2 Aug 2018 12:51

Instrument :

MSVOA\_F

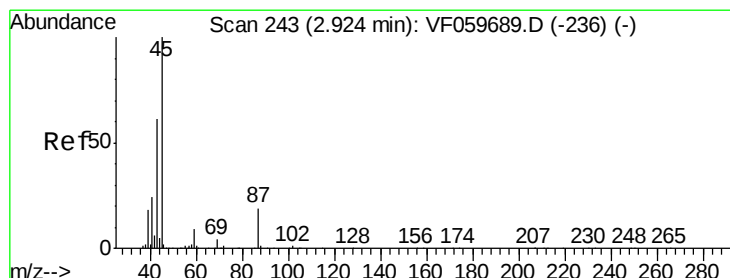
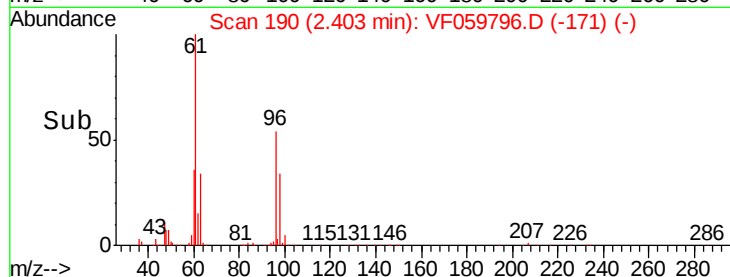
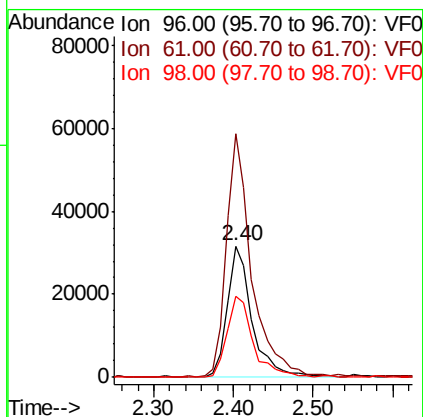
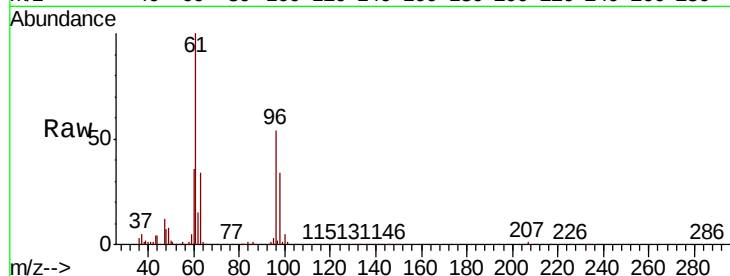
ClientSampleId :

VSTDCCC050

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 69682 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 185.6 | 157.4 | 236.0 |
| 98       | 62.3  | 55.0  | 82.4  |

Manual Integrations  
APPROVED

apatel  
8/3/2018 2:38:56 PM



#22

Diisopropyl ether

Concen: 49.63 ug/l

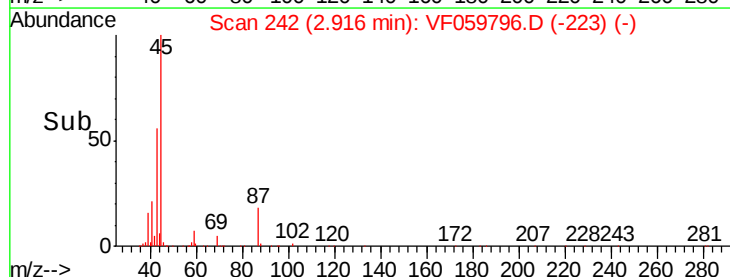
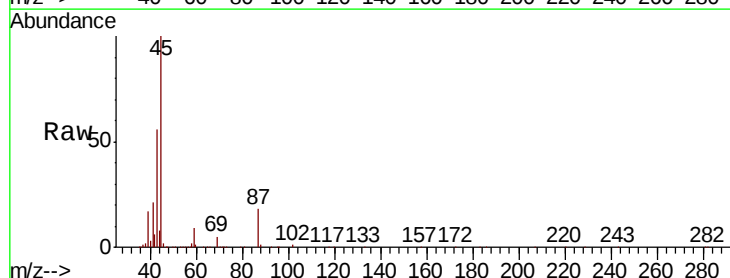
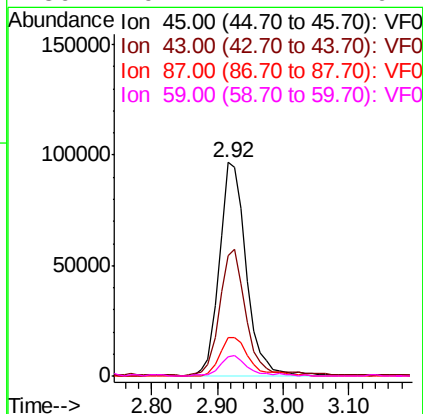
RT: 2.92 min Scan# 242

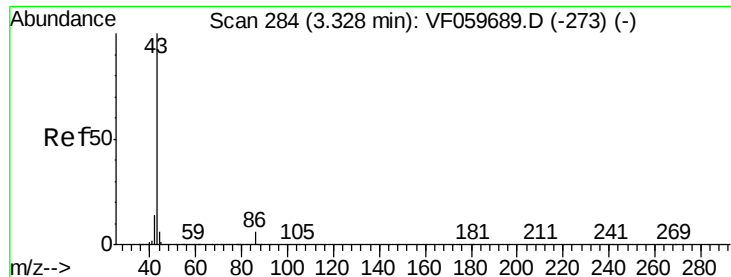
Delta R.T. -0.01 min

Lab File: VF059796.D

Acq: 2 Aug 2018 12:51

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 275137 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 56.4  | 49.3  | 73.9   |
| 87       | 17.9  | 15.3  | 22.9   |
| 59       | 9.2   | 7.1   | 10.7   |





#23

Vinyl Acetate

Concen: 272.30 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: VF059796.D

Acq: 2 Aug 2018 12:51

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 776127

Ion Ratio Lower Upper

43 100

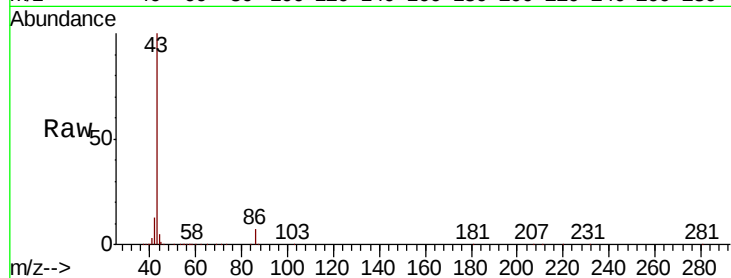
86 6.8 4.6 6.8

Manual Integrations

APPROVED

apatel

8/3/2018 2:38:56 PM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

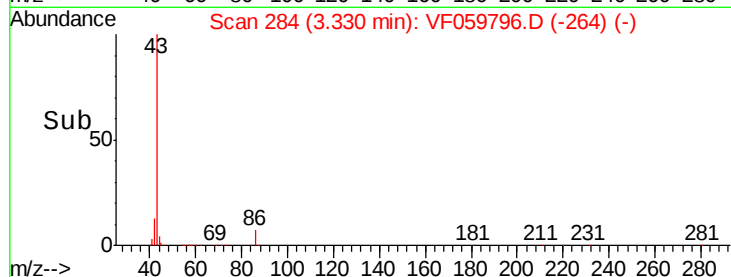
300000

200000

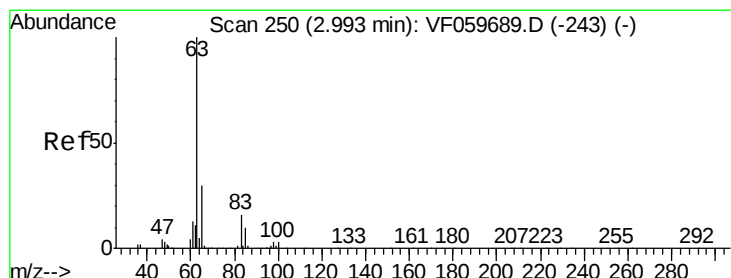
100000

0

Time-->



Time-->



#24

1,1-Dichloroethane

Concen: 47.24 ug/l

RT: 2.99 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF059796.D

Acq: 2 Aug 2018 12:51

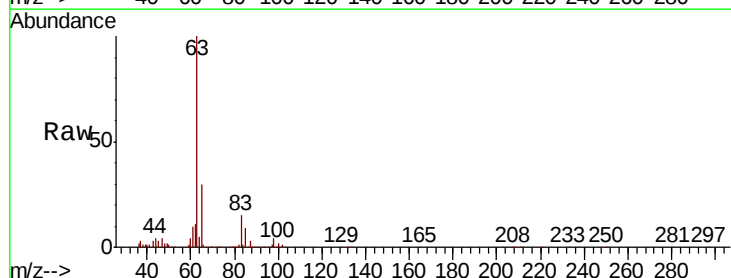
Tgt Ion: 63 Resp: 181955

Ion Ratio Lower Upper

63 100

98 3.9 1.4 4.2

100 2.4 1.6 4.7



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

100000

80000

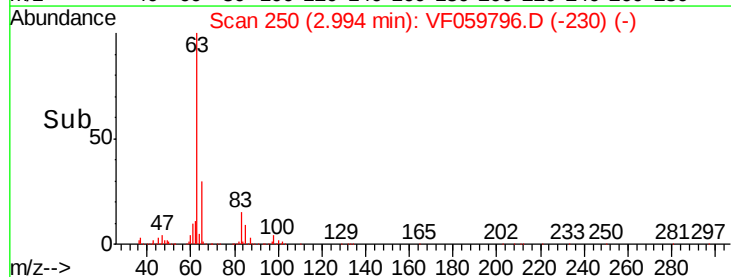
60000

40000

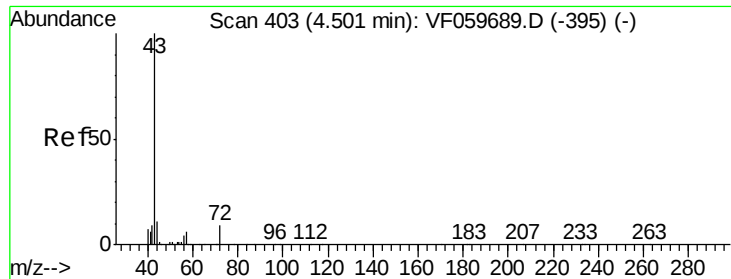
20000

0

Time-->



Time-->



#25

2-Butanone

Concen: 237.28 ug/l

RT: 4.50 min Scan# 403

Delta R.T. 0.00 min

Lab File: VF059796.D

Acq: 2 Aug 2018 12:51

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 181503

Ion Ratio Lower Upper

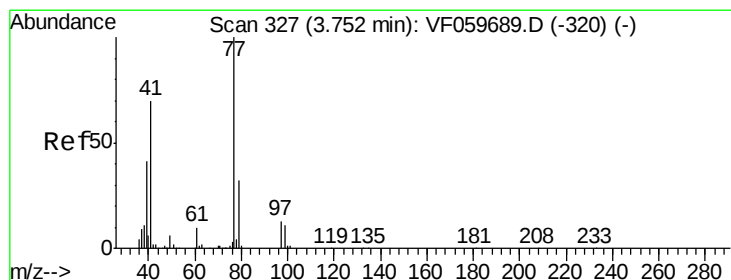
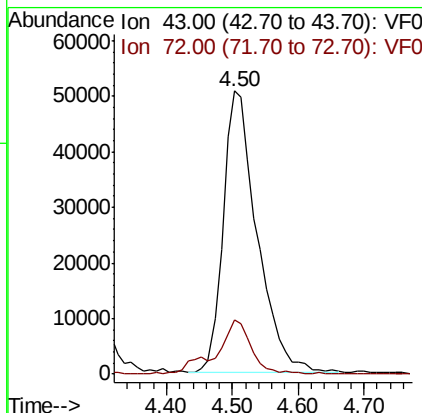
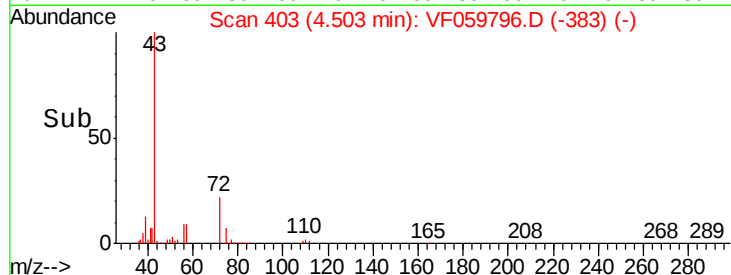
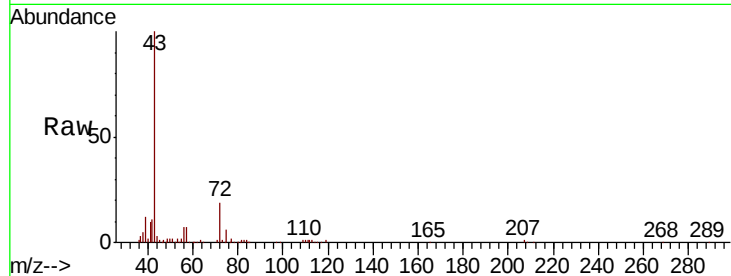
43 100

72 19.4 7.7 11.5#

Manual Integrations  
APPROVED

apatel

8/3/2018 2:38:56 PM



#26

2,2-Dichloropropane

Concen: 46.44 ug/l

RT: 3.75 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF059796.D

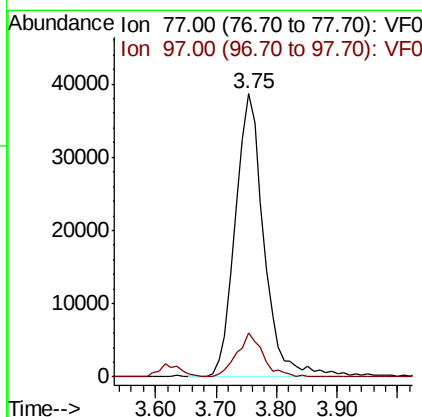
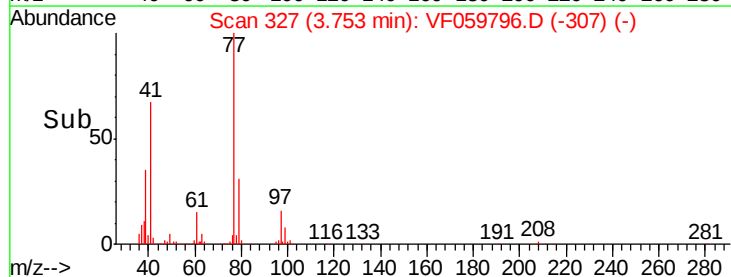
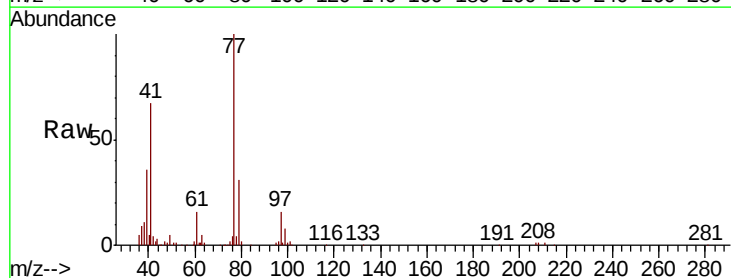
Acq: 2 Aug 2018 12:51

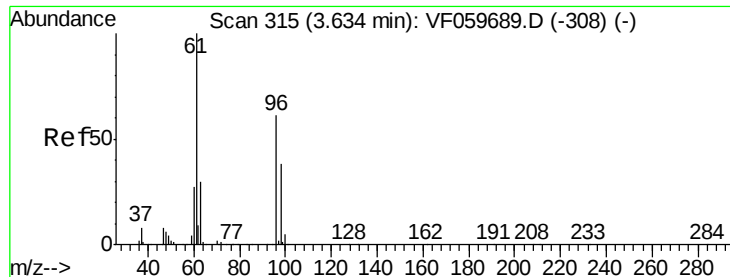
Tgt Ion: 77 Resp: 127515

Ion Ratio Lower Upper

77 100

97 15.6 6.8 20.4





#27

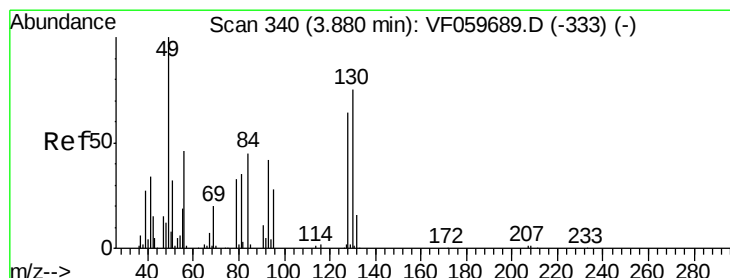
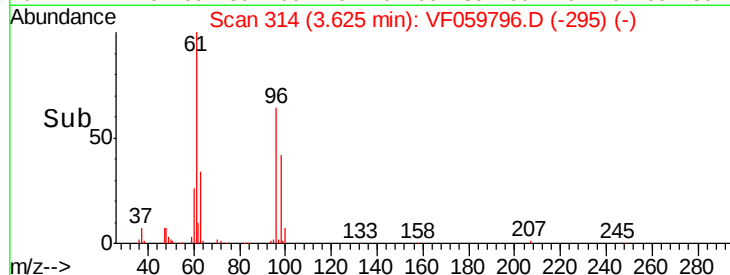
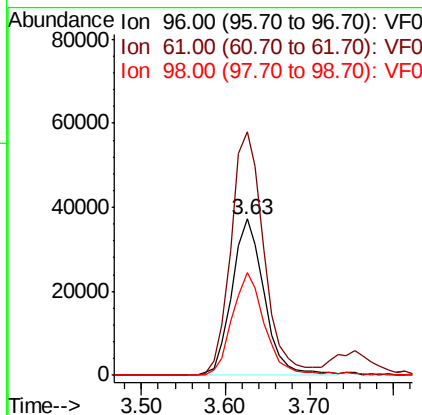
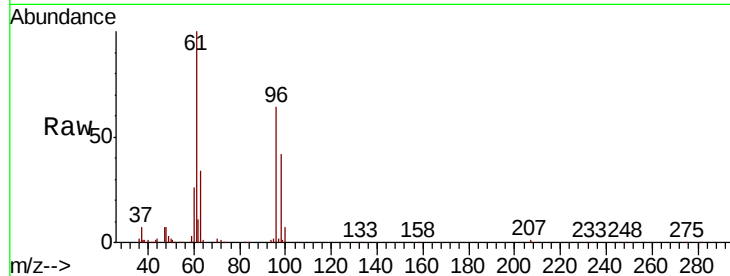
cis-1,2-Dichloroethene  
Concen: 48.41 ug/l  
RT: 3.63 min Scan# 314  
Delta R.T. -0.01 min  
Lab File: VF059796.D  
Acq: 2 Aug 2018 12:51

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 96      | 100   | 99848 |       |       |
| 61      | 156.0 | 0.0   | 326.8 |       |
| 98      | 65.9  | 0.0   | 125.2 |       |

Manual Integrations  
APPROVED

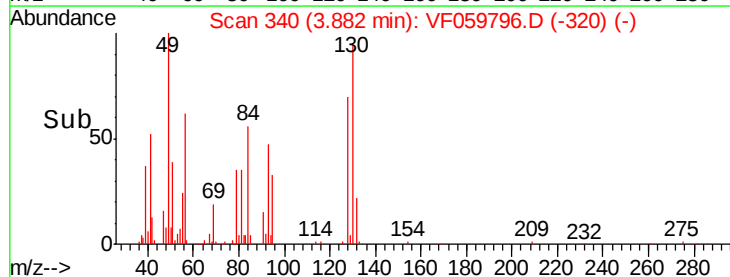
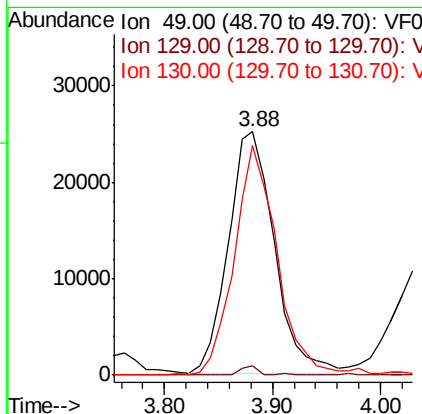
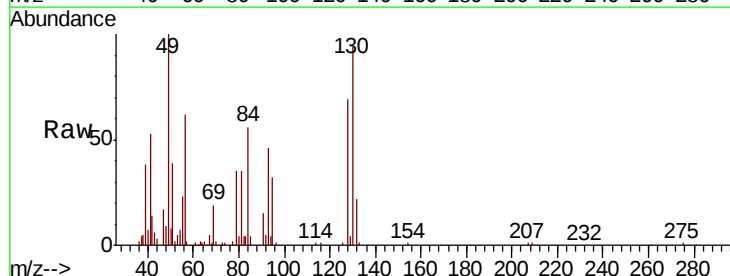
apatel  
8/3/2018 2:38:56 PM

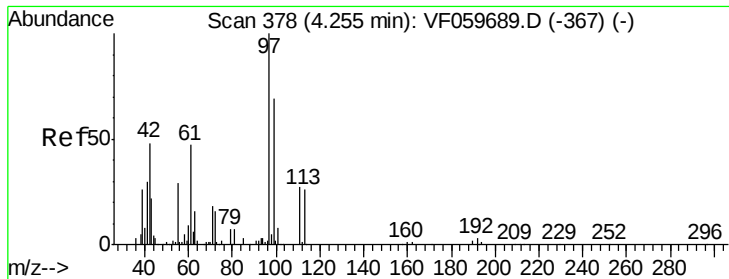


#28

Bromochloromethane  
Concen: 55.91 ug/l  
RT: 3.88 min Scan# 340  
Delta R.T. 0.00 min  
Lab File: VF059796.D  
Acq: 2 Aug 2018 12:51

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 49      | 100   | 74280 |       |       |
| 129     | 3.6   | 0.0   | 4.8   |       |
| 130     | 94.1  | 59.6  | 89.4# |       |





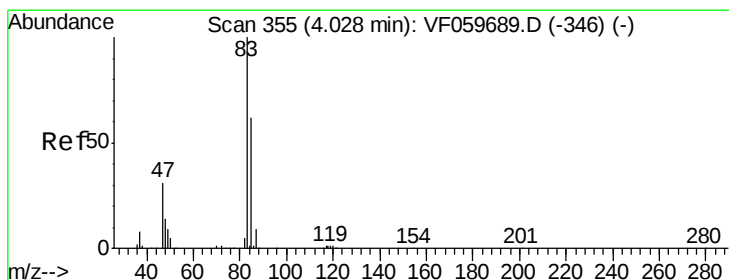
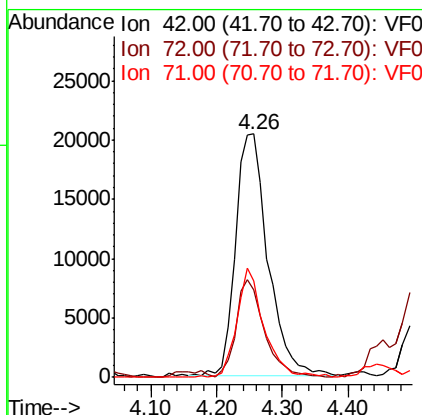
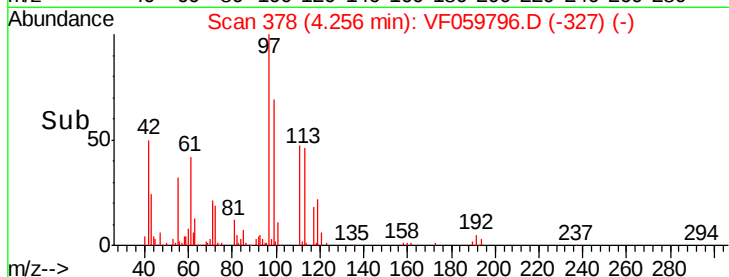
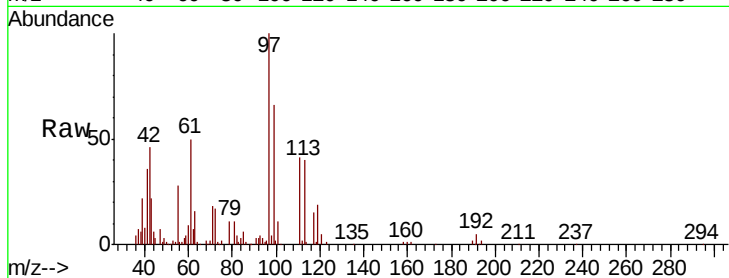
#29  
Tetrahydrofuran  
Concen: 238.96 ug/l  
RT: 4.26 min Scan# 378  
Delta R.T. 0.00 min  
Lab File: VF059796.D  
Acq: 2 Aug 2018 12:51

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 35.5  | 27.0  | 40.6  |
| 71      | 38.0  | 29.7  | 44.5  |

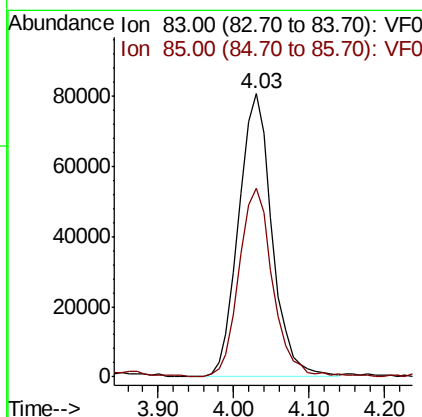
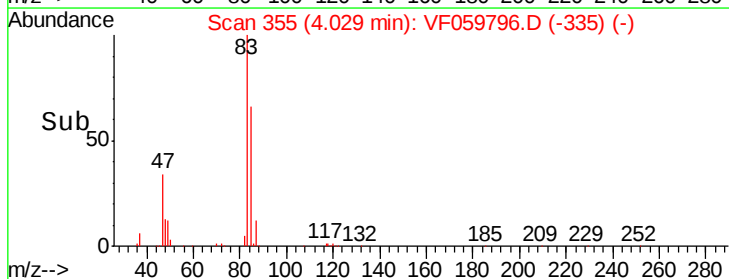
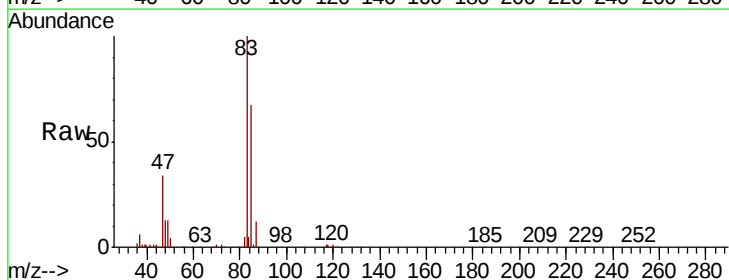
Manual Integrations  
APPROVED

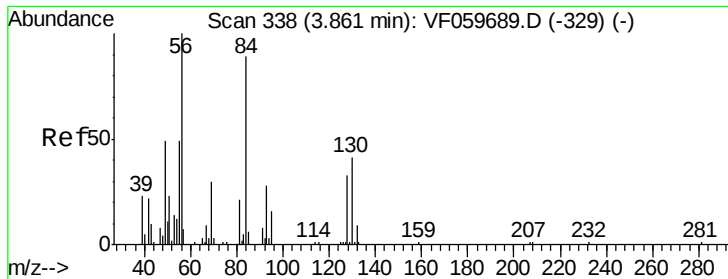
apatel  
8/3/2018 2:38:56 PM



#30  
Chloroform  
Concen: 45.71 ug/l  
RT: 4.03 min Scan# 355  
Delta R.T. 0.00 min  
Lab File: VF059796.D  
Acq: 2 Aug 2018 12:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 66.8  | 49.4  | 74.0  |





#31

Cyclohexane

Concen: 52.17 ug/l

RT: 3.85 min Scan# 337

Delta R.T. -0.01 min

Lab File: VF059796.D

Acq: 2 Aug 2018 12:51

Instrument :

MSVOA\_F

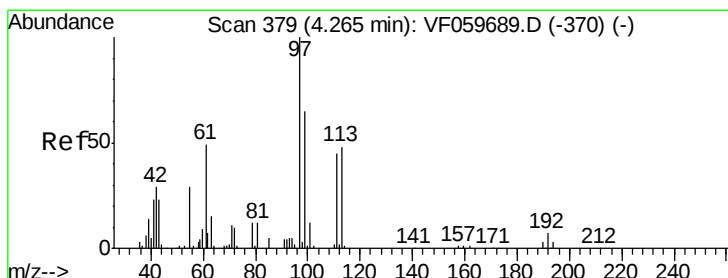
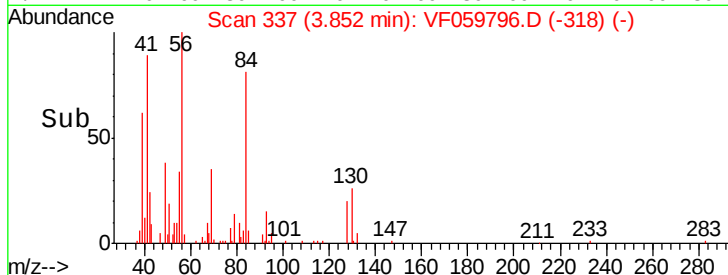
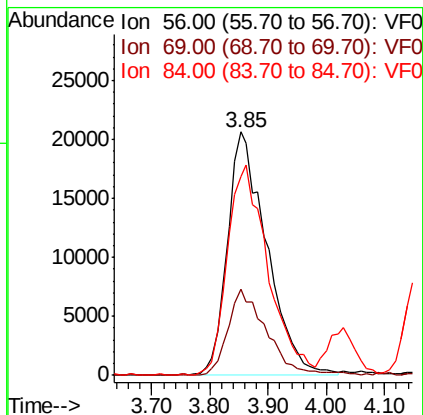
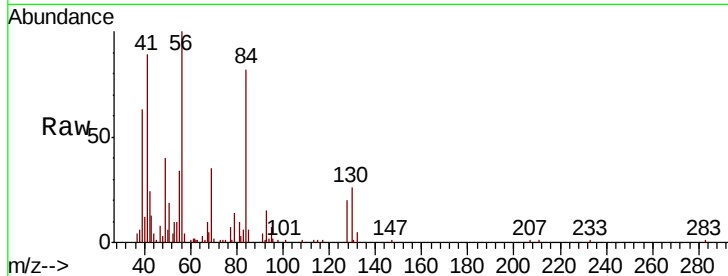
ClientSampleId :

VSTDCCC050

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 56    | Resp: | 97053 |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 35.2  | 23.7  | 35.5  |
| 84       | 81.9  | 71.1  | 106.7 |

Manual Integrations  
APPROVED

apatel  
8/3/2018 2:38:56 PM



#32

1,1,1-Trichloroethane

Concen: 45.00 ug/l

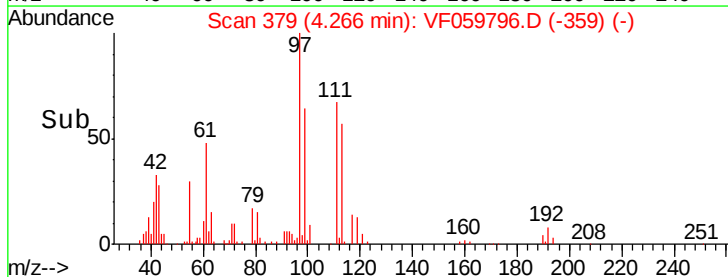
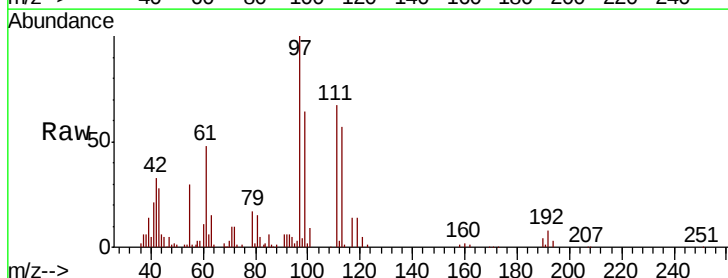
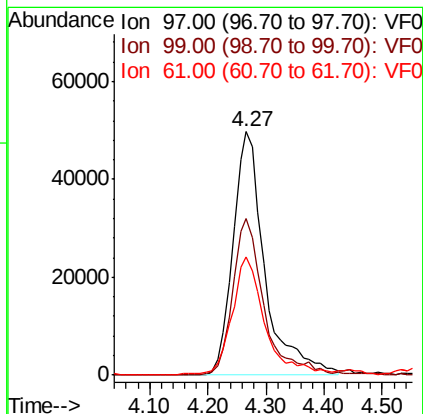
RT: 4.27 min Scan# 379

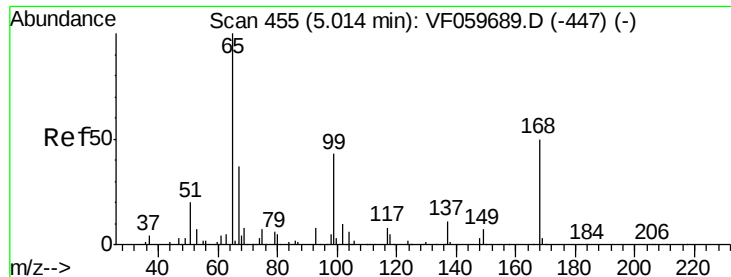
Delta R.T. 0.00 min

Lab File: VF059796.D

Acq: 2 Aug 2018 12:51

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 189734 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 64.3  | 52.4  | 78.6   |
| 61       | 48.3  | 39.7  | 59.5   |





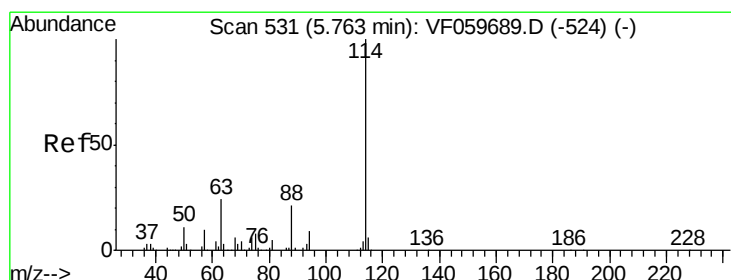
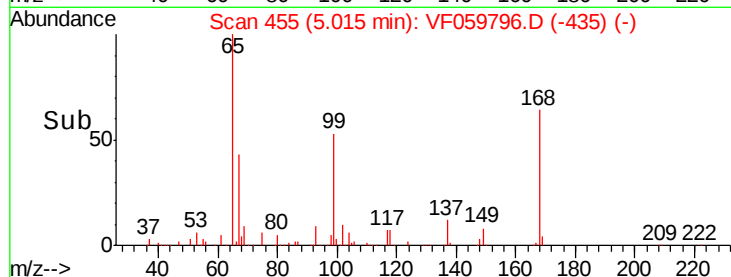
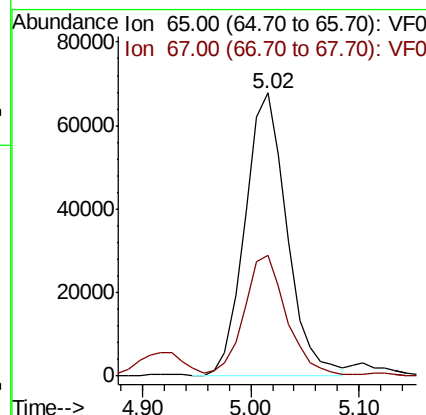
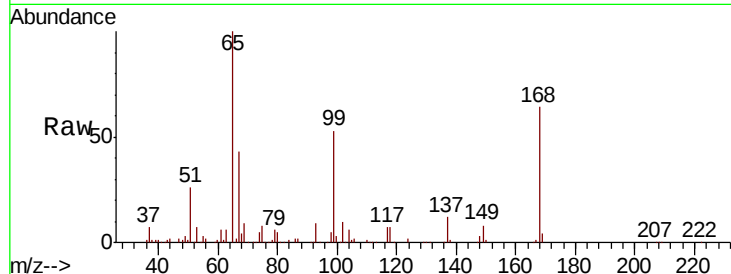
#33  
 1,2-Dichloroethane-d4  
 Concen: 48.08 ug/l  
 RT: 5.02 min Scan# 455  
 Delta R.T. 0.00 min  
 Lab File: VF059796.D  
 Acq: 2 Aug 2018 12:51

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 42.7  | 0.0   | 84.6  |

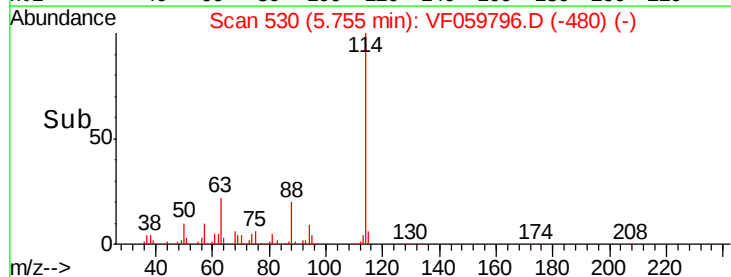
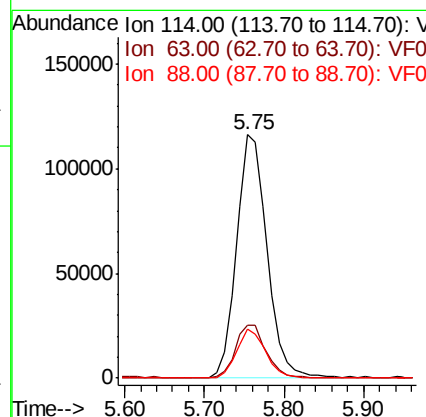
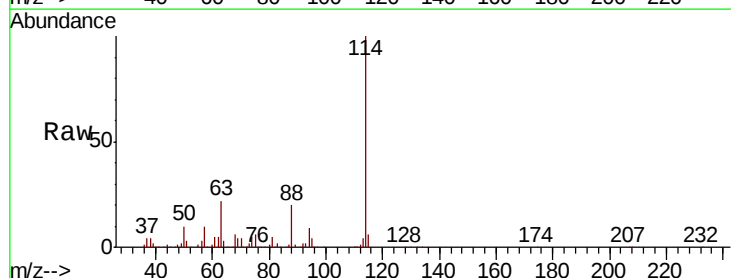
Manual Integrations  
 APPROVED

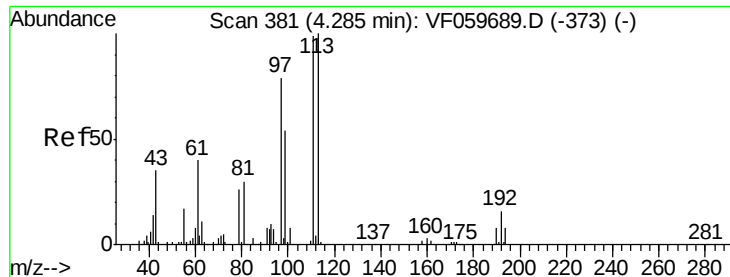
apatel  
 8/3/2018 2:38:56 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 5.75 min Scan# 530  
 Delta R.T. -0.01 min  
 Lab File: VF059796.D  
 Acq: 2 Aug 2018 12:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 21.9  | 0.0   | 47.4  |
| 88      | 20.3  | 0.0   | 41.2  |





#35

Dibromofluoromethane

Concen: 48.01 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.00 min

Lab File: VF059796.D

Acq: 2 Aug 2018 12:51

Instrument :

MSVOA\_F

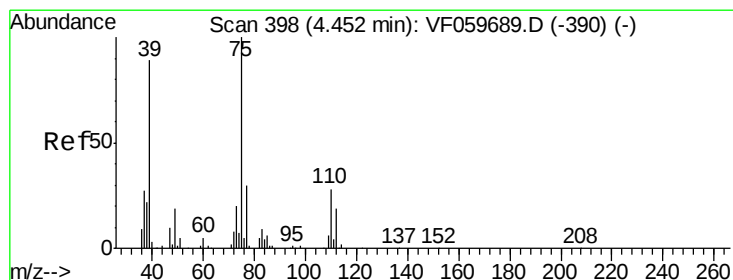
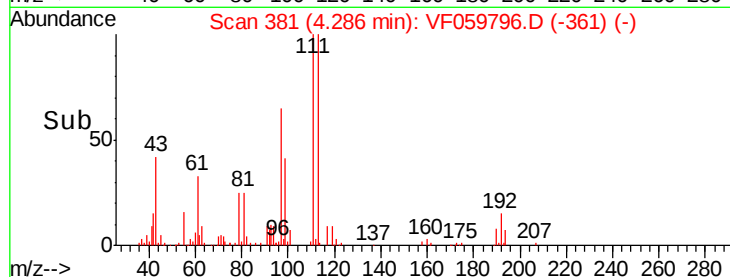
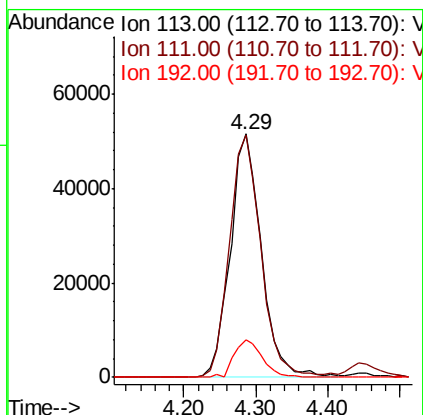
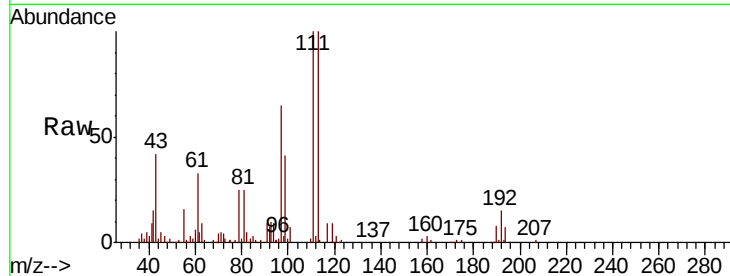
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 113   | Resp: | 154770 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 99.5  | 79.0  | 118.4  |
| 192      | 15.4  | 13.2  | 19.8   |

Manual Integrations  
APPROVED

apatel  
8/3/2018 2:38:56 PM



#36

1,1-Dichloropropene

Concen: 47.24 ug/l

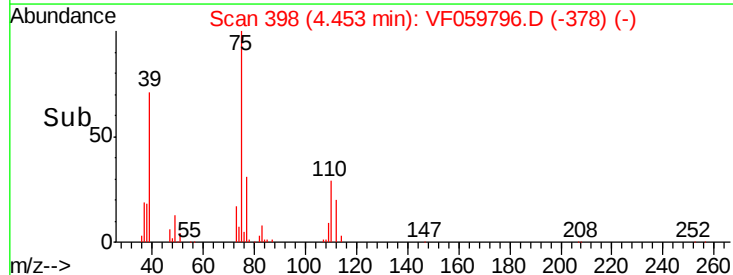
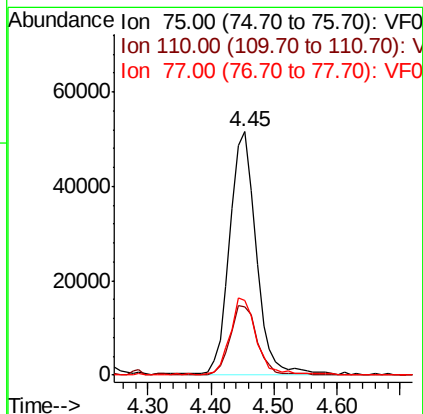
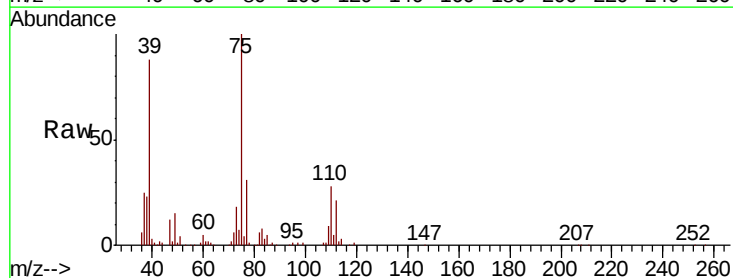
RT: 4.45 min Scan# 398

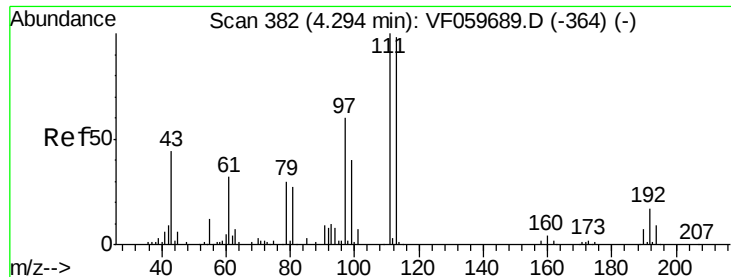
Delta R.T. 0.00 min

Lab File: VF059796.D

Acq: 2 Aug 2018 12:51

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 149092 |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 110      | 28.1  | 14.0  | 41.9   |
| 77       | 30.7  | 24.2  | 36.2   |





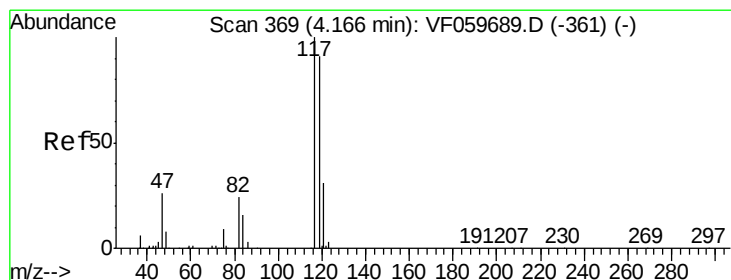
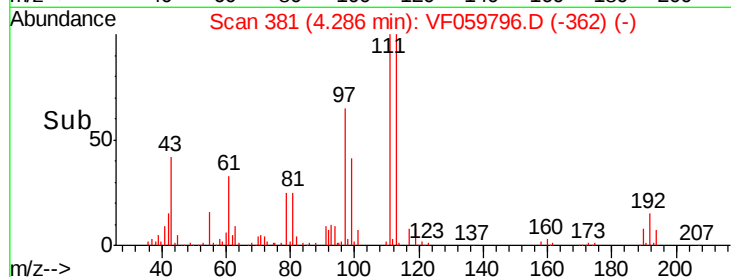
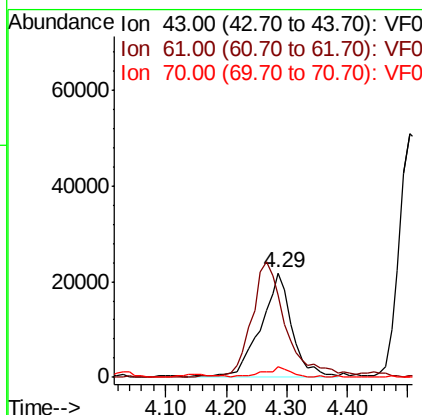
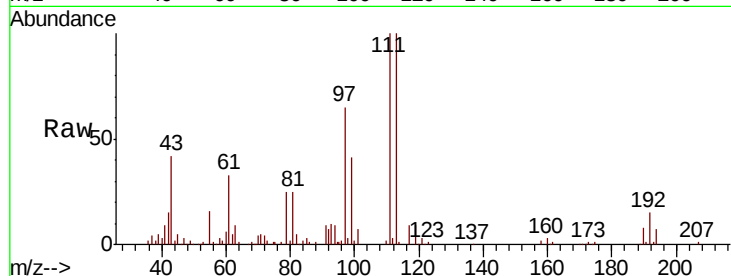
#37  
Ethyl Acetate  
Concen: 50.68 ug/l  
RT: 4.29 min Scan# 381  
Delta R.T. -0.01 min  
Lab File: VF059796.D  
Acq: 2 Aug 2018 12:51

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 79.0  | 58.2  | 87.2  |
| 70      | 9.7   | 6.0   | 9.0   |

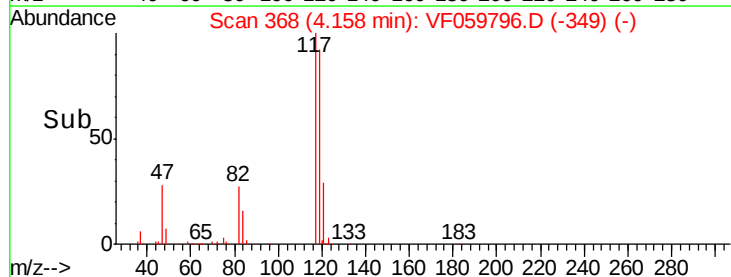
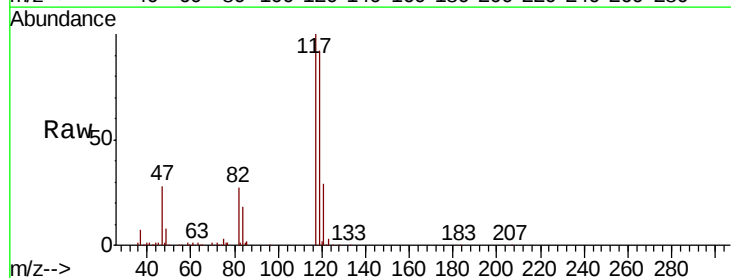
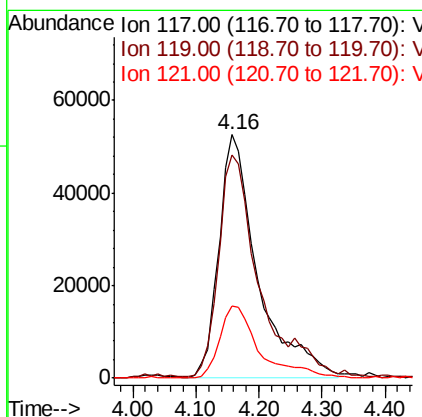
Manual Integrations  
APPROVED

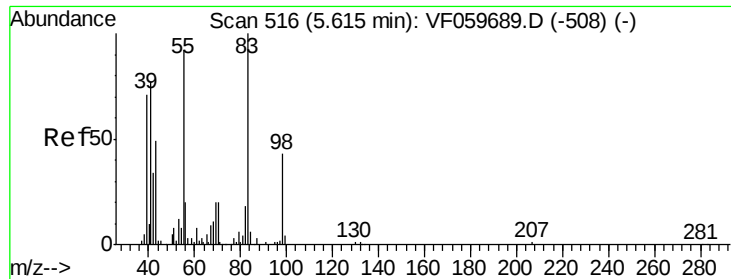
apatel  
8/3/2018 2:38:56 PM



#38  
Carbon Tetrachloride  
Concen: 46.01 ug/l  
RT: 4.16 min Scan# 368  
Delta R.T. -0.01 min  
Lab File: VF059796.D  
Acq: 2 Aug 2018 12:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 91.8  | 72.9  | 109.3 |
| 121     | 29.4  | 25.0  | 37.4  |





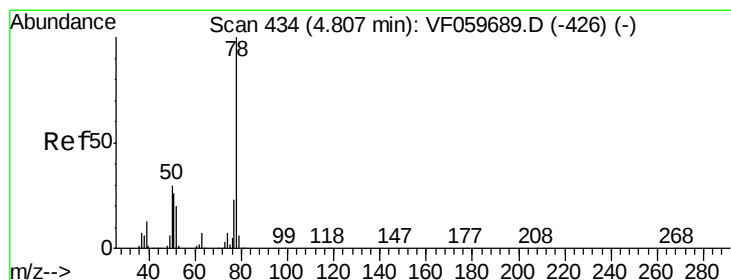
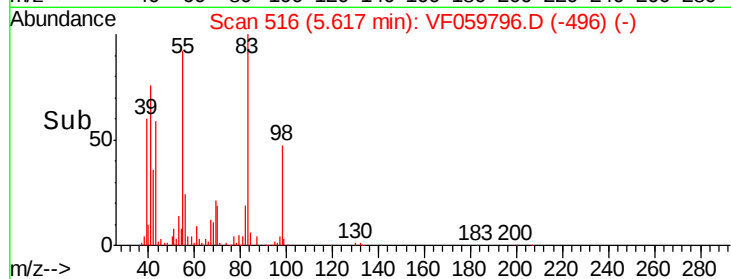
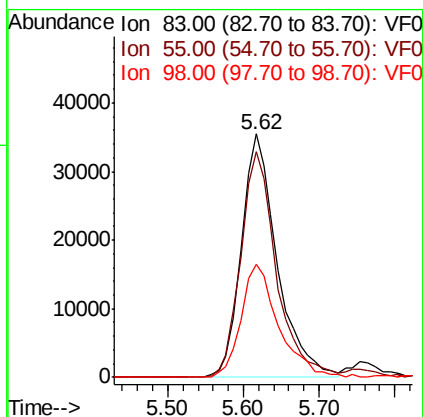
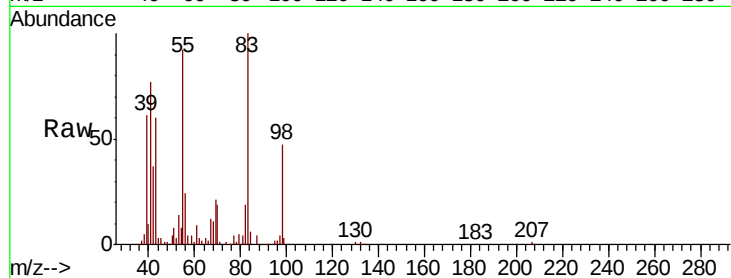
#39  
Methvlcvclohexane  
Concen: 48.47 ug/l  
RT: 5.62 min Scan# 516  
Delta R.T. 0.00 min  
Lab File: VF059796.D  
Acq: 2 Aug 2018 12:51

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 92.4  | 73.4  | 110.2 |
| 98      | 46.6  | 34.2  | 51.4  |

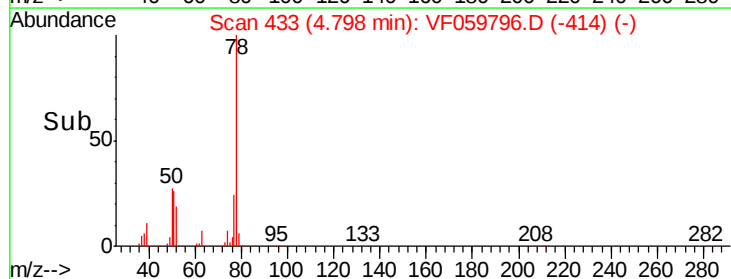
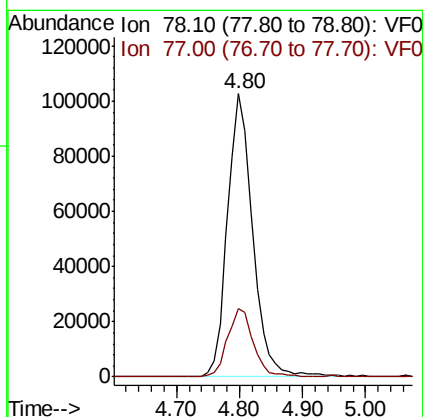
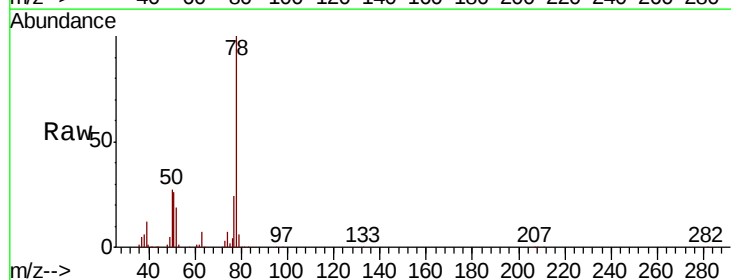
Manual Integrations  
APPROVED

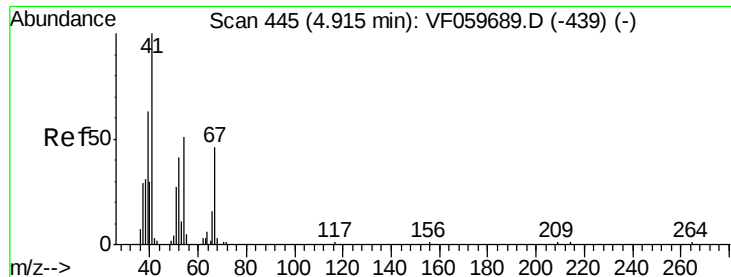
apatel  
8/3/2018 2:38:56 PM



#40  
Benzene  
Concen: 45.32 ug/l  
RT: 4.80 min Scan# 433  
Delta R.T. -0.01 min  
Lab File: VF059796.D  
Acq: 2 Aug 2018 12:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.1  | 18.9  | 28.3  |





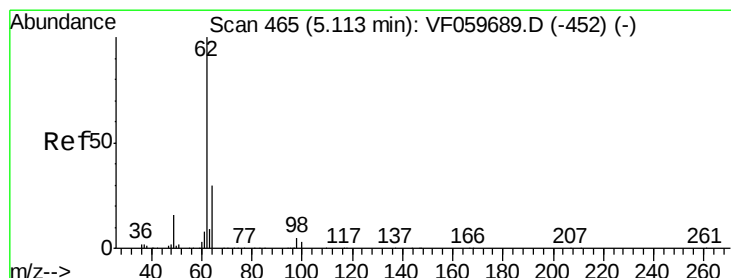
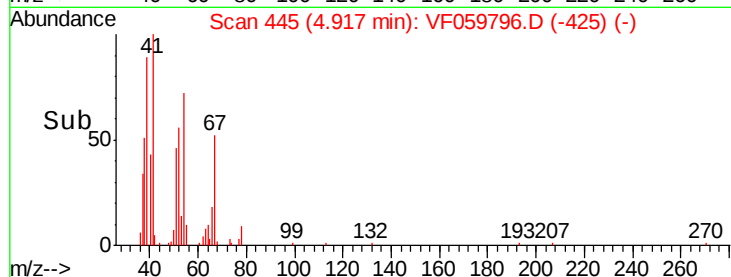
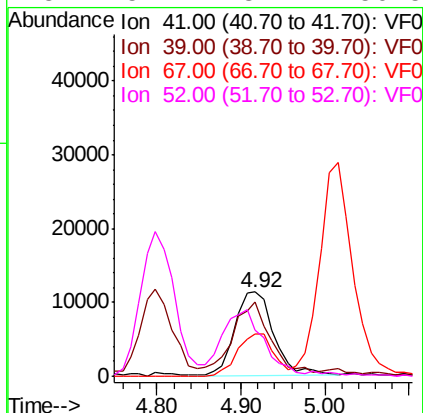
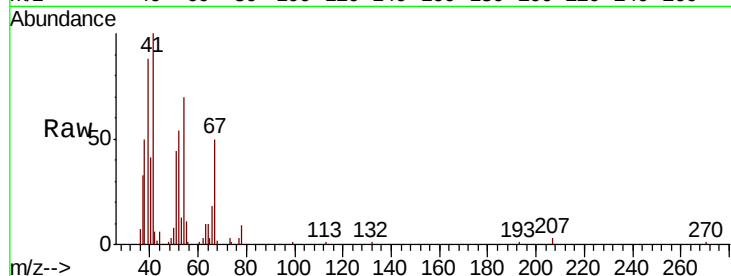
#41  
Methacrylonitrile  
Concen: 46.79 ug/l  
RT: 4.92 min Scan# 445  
Delta R.T. 0.00 min  
Lab File: VF059796.D  
Acq: 2 Aug 2018 12:51

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 88.3 | 55.2  | 82.8# |       |
| 67      | 50.1 | 36.2  | 54.2  |       |
| 52      | 54.2 | 37.7  | 56.5  |       |

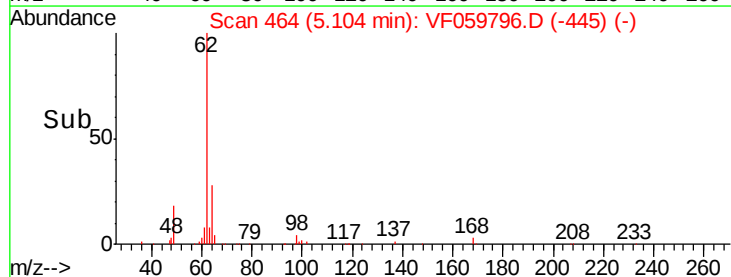
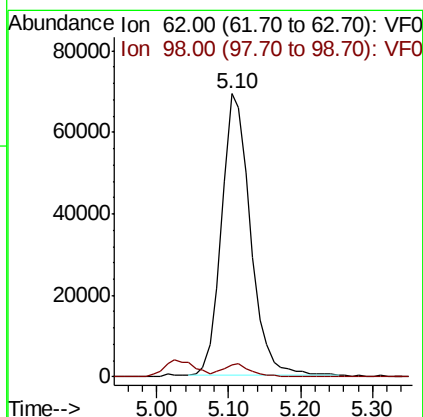
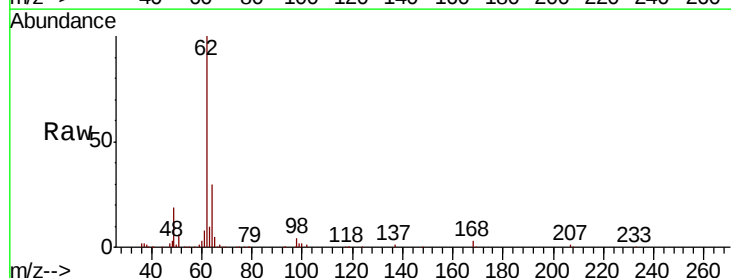
Manual Integrations  
APPROVED

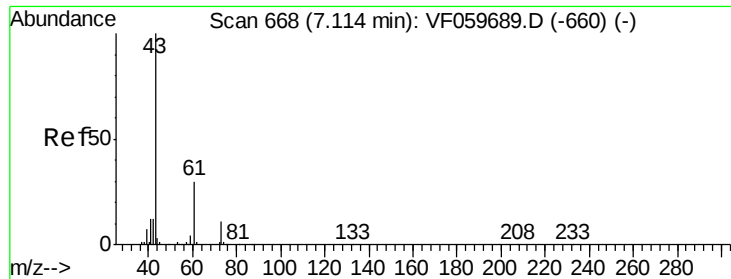
apatel  
8/3/2018 2:38:56 PM



#42  
1,2-Dichloroethane  
Concen: 43.67 ug/l  
RT: 5.10 min Scan# 464  
Delta R.T. -0.01 min  
Lab File: VF059796.D  
Acq: 2 Aug 2018 12:51

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 62      | 100 |       |       |       |
| 98      | 4.4 | 0.0   | 9.6   |       |





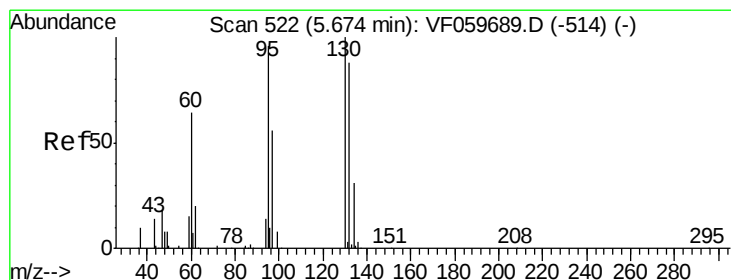
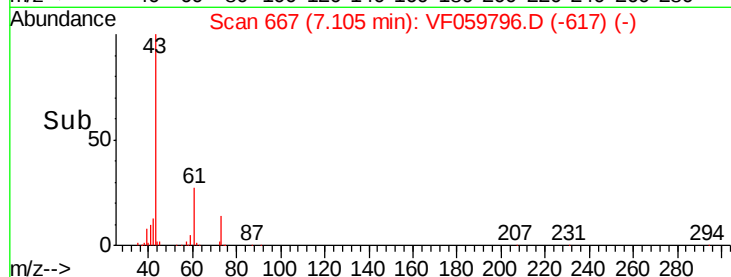
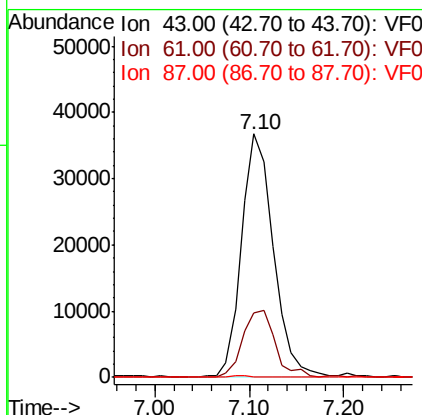
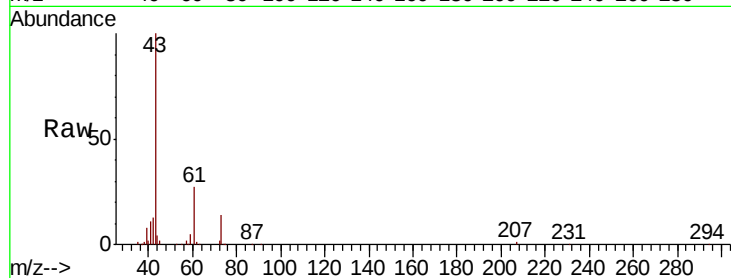
#43  
Isopropyl Acetate  
Concen: 45.98 ug/l  
RT: 7.10 min Scan# 667  
Delta R.T. -0.01 min  
Lab File: VF059796.D  
Acq: 2 Aug 2018 12:51

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 26.7  | 23.8  | 35.8  |
| 87      | 0.3   | 0.6   | 1.0   |

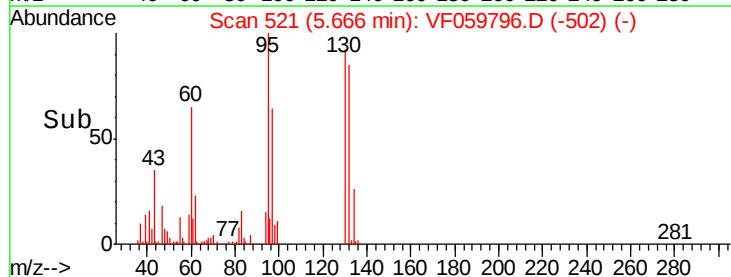
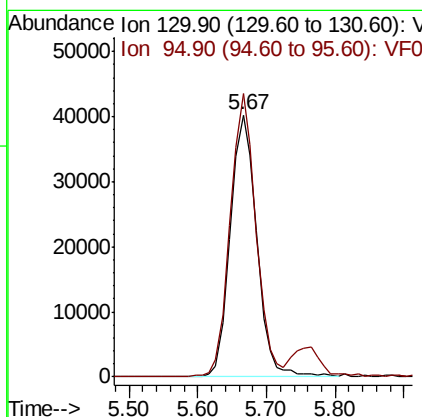
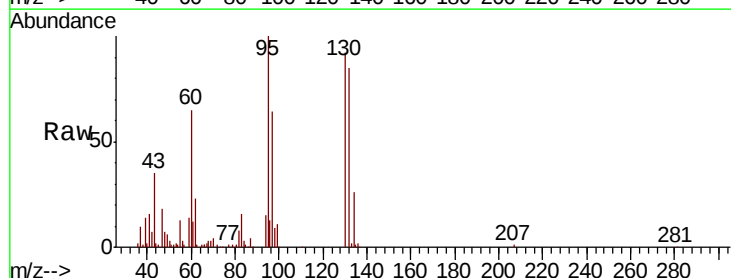
Manual Integrations  
APPROVED

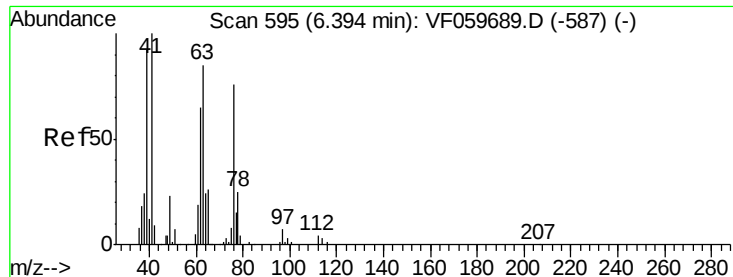
apatel  
8/3/2018 2:38:56 PM



#44  
Trichloroethene  
Concen: 51.26 ug/l  
RT: 5.67 min Scan# 521  
Delta R.T. -0.01 min  
Lab File: VF059796.D  
Acq: 2 Aug 2018 12:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 108.2 | 0.0   | 191.0 |





#45

1,2-Dichloropropane

Concen: 47.40 ug/l

RT: 6.40 min Scan# 595

Delta R.T. 0.00 min

Lab File: VF059796.D

Acq: 2 Aug 2018 12:51

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 78452

Ion Ratio Lower Upper

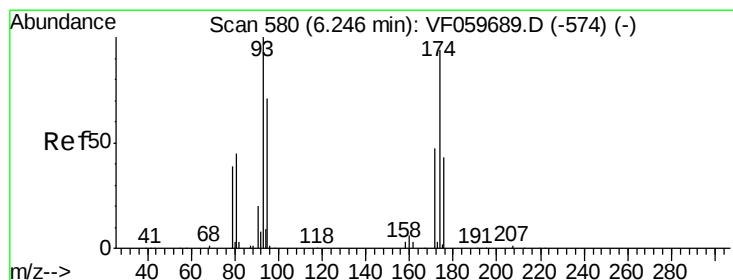
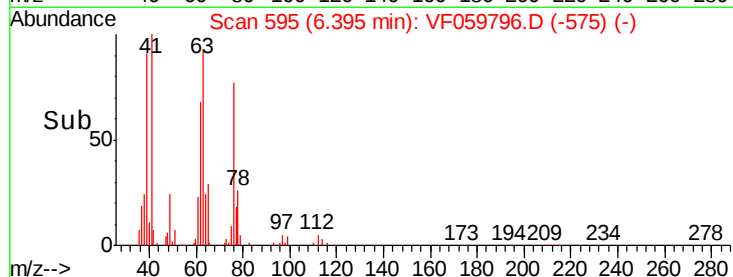
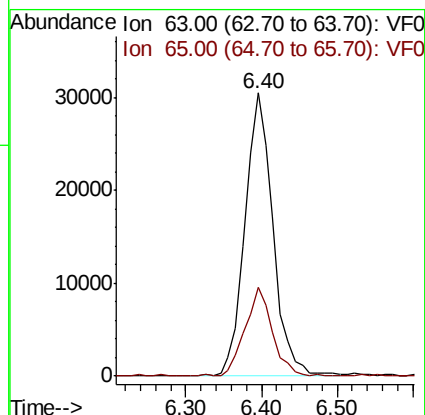
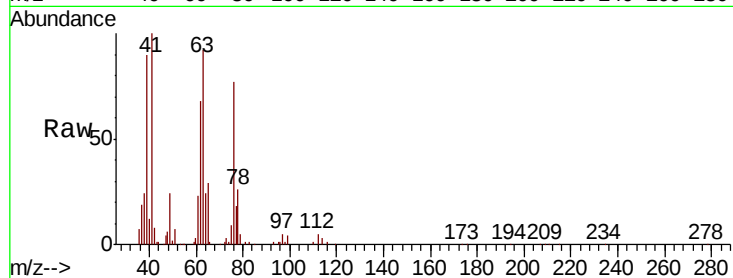
63 100

65 31.2 25.2 37.8

Manual Integrations  
APPROVED

apatel

8/3/2018 2:38:56 PM



#46

Dibromomethane

Concen: 46.33 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF059796.D

Acq: 2 Aug 2018 12:51

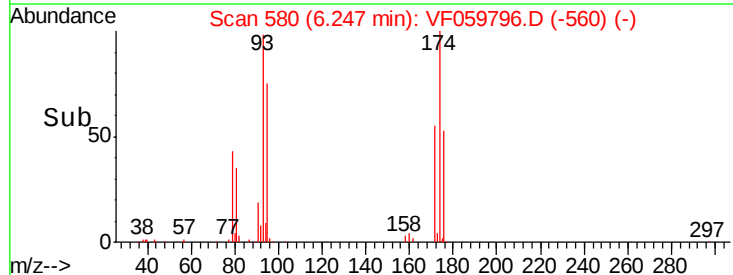
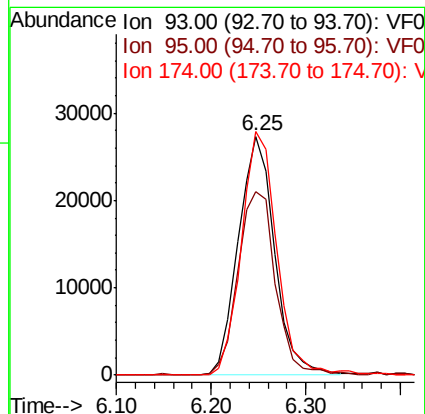
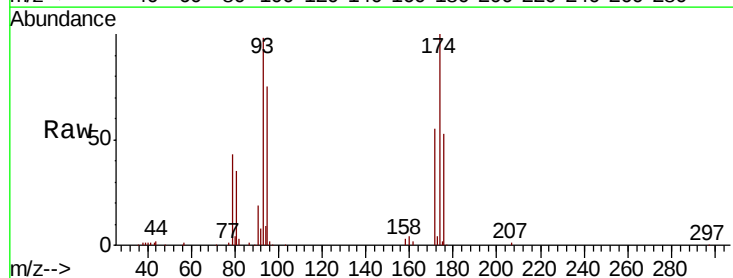
Tgt Ion: 93 Resp: 72803

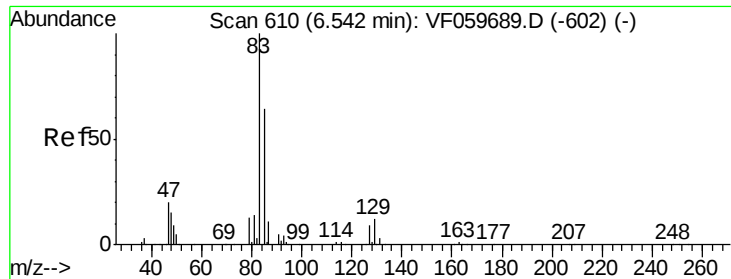
Ion Ratio Lower Upper

93 100

95 76.9 57.1 85.7

174 102.0 74.8 112.2





#47

Bromodichloromethane

Concen: 45.92 ug/l

RT: 6.54 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF059796.D

Acq: 2 Aug 2018 12:51

Instrument :

MSVOA\_F

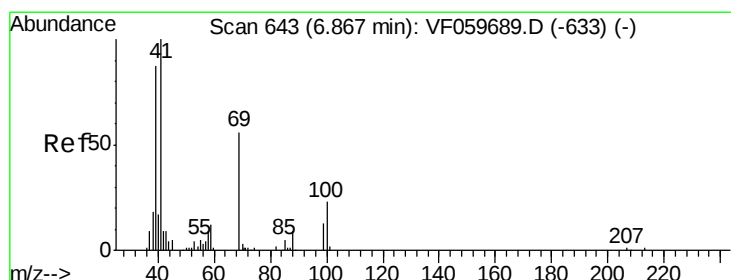
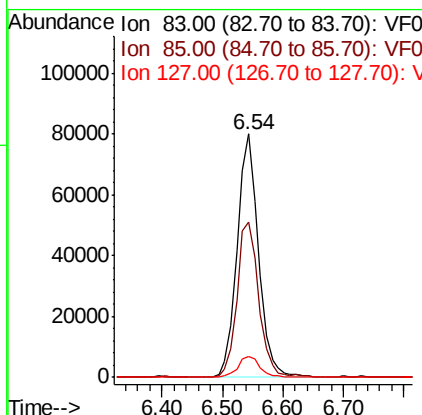
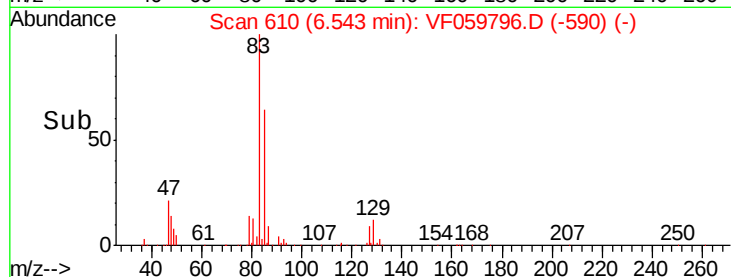
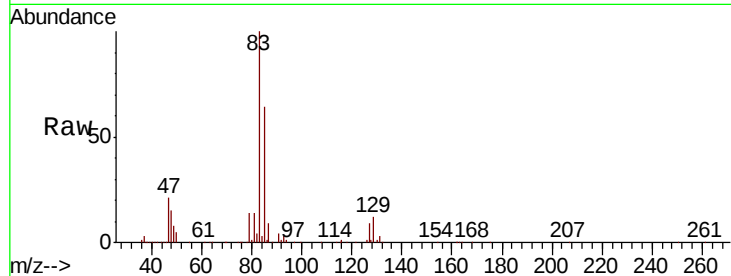
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 196506 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 63.9  | 51.0  | 76.6   |
| 127      | 8.8   | 7.3   | 10.9   |

Manual Integrations  
APPROVED

apatel  
8/3/2018 2:38:56 PM



#48

Methyl methacrylate

Concen: 47.06 ug/l

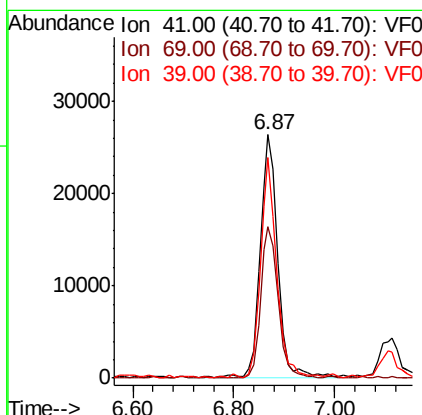
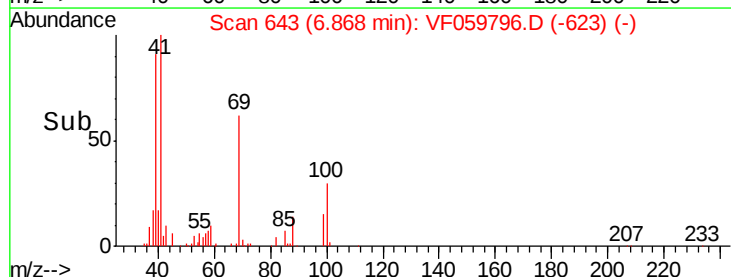
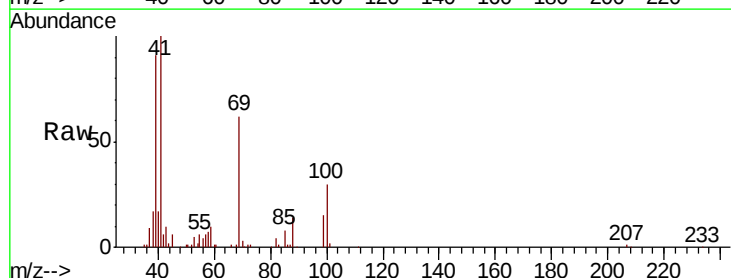
RT: 6.87 min Scan# 643

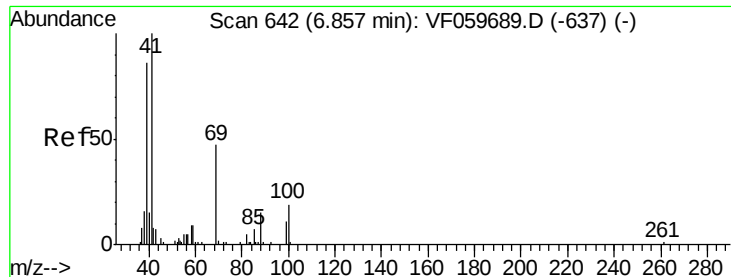
Delta R.T. 0.00 min

Lab File: VF059796.D

Acq: 2 Aug 2018 12:51

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 65688 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 62.3  | 44.4  | 66.6  |
| 39       | 90.8  | 69.4  | 104.2 |





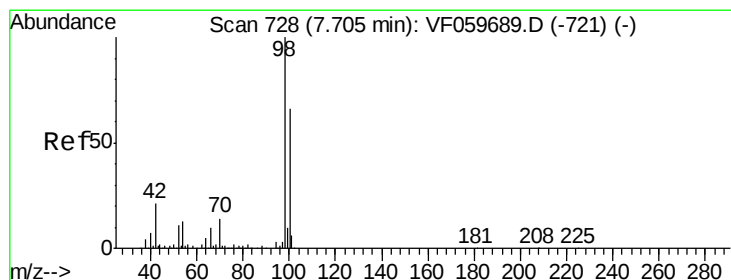
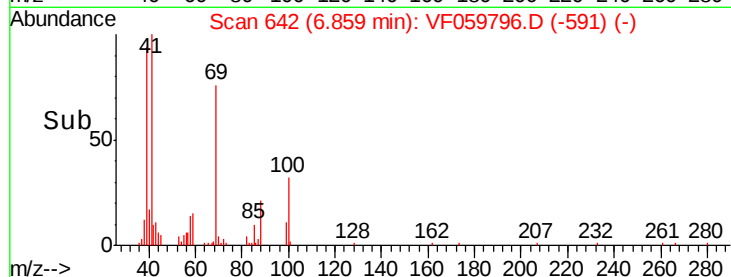
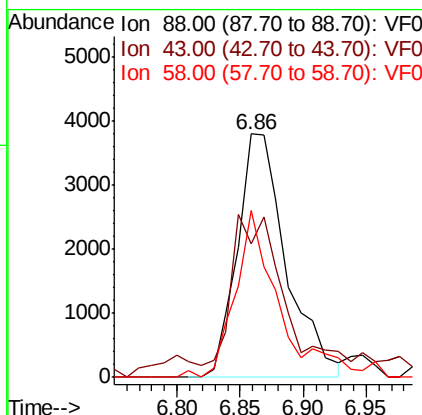
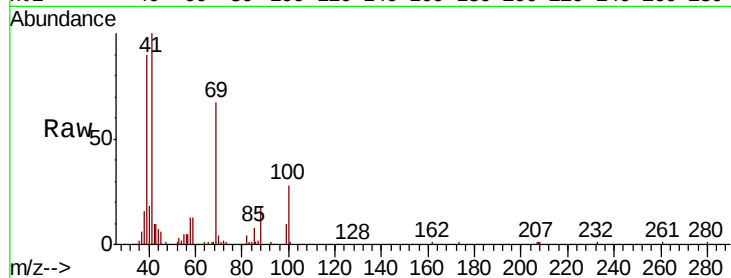
#49  
1,4-Dioxane  
Concen: 1134.07 ug/l  
RT: 6.86 min Scan# 642  
Delta R.T. 0.00 min  
Lab File: VF059796.D  
Acq: 2 Aug 2018 12:51

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 55.0  | 45.2  | 67.8  |
| 58      | 68.4  | 49.0  | 73.6  |

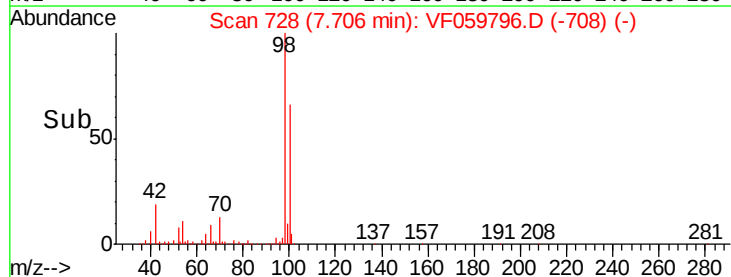
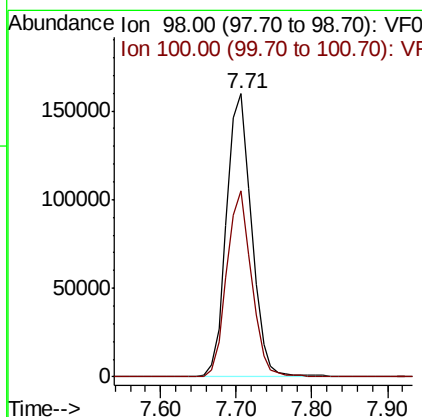
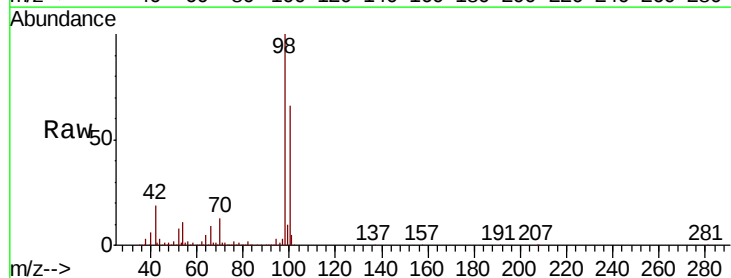
Manual Integrations  
APPROVED

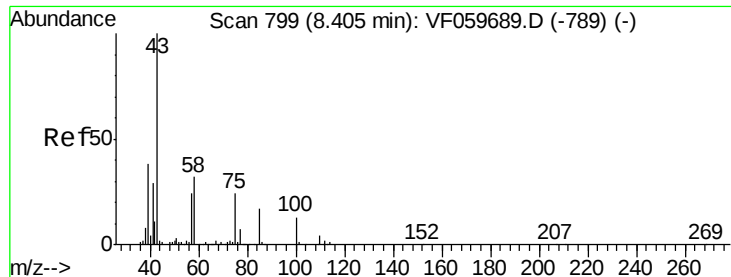
apatel  
8/3/2018 2:38:56 PM



#50  
Toluene-d8  
Concen: 48.63 ug/l  
RT: 7.71 min Scan# 728  
Delta R.T. 0.00 min  
Lab File: VF059796.D  
Acq: 2 Aug 2018 12:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 65.6  | 52.8  | 79.2  |





#51

4-Methyl-2-Pentanone

Concen: 249.69 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF059796.D

Acq: 2 Aug 2018 12:51

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 352469

Ion Ratio Lower Upper

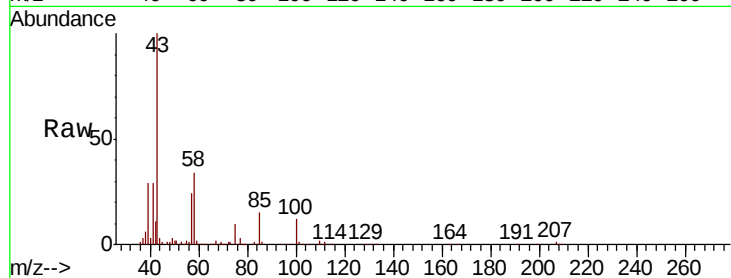
43 100

58 33.7 25.9 38.9

Manual Integrations  
APPROVED

apatel

8/3/2018 2:38:56 PM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.40

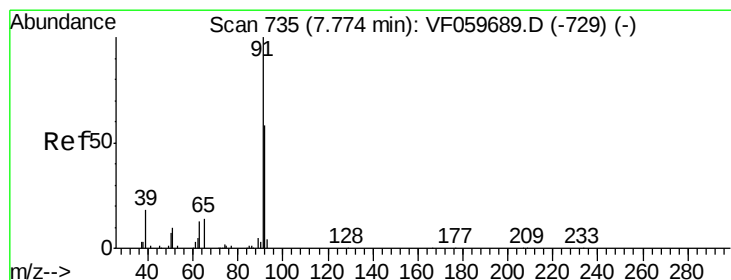
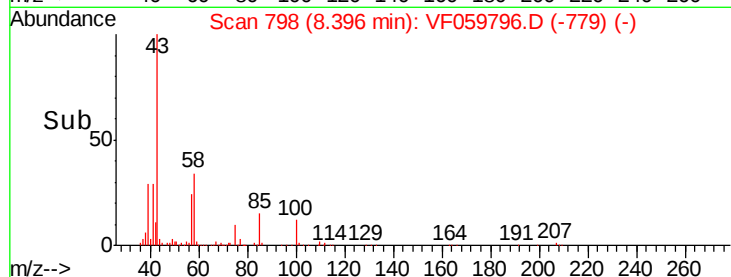
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 49.59 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059796.D

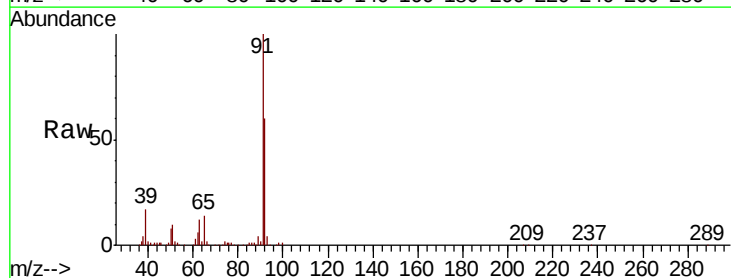
Acq: 2 Aug 2018 12:51

Tgt Ion: 92 Resp: 207014

Ion Ratio Lower Upper

92 100

91 166.7 139.0 208.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.78

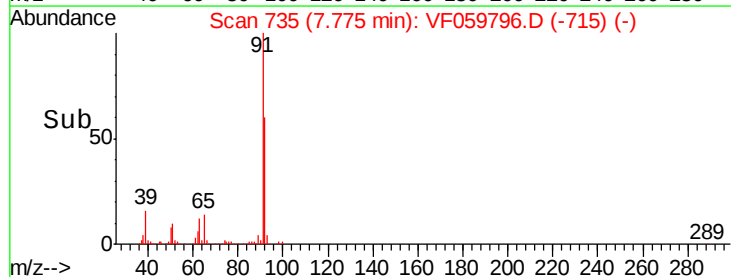
150000

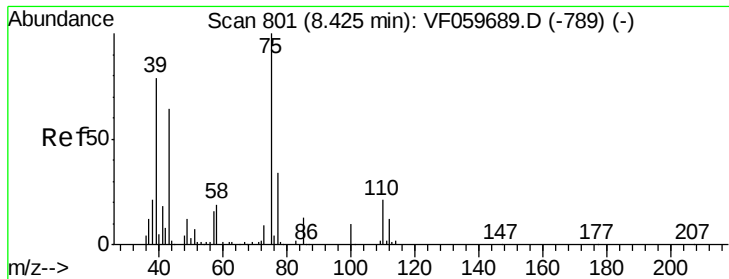
100000

50000

0

Time-->





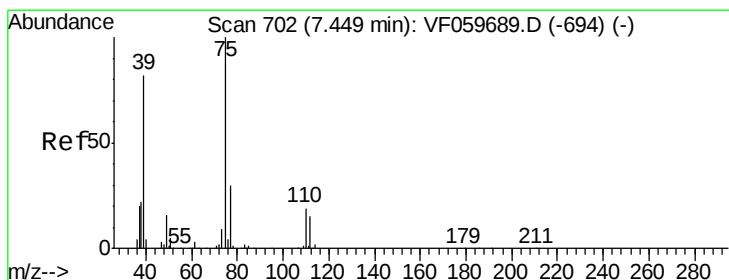
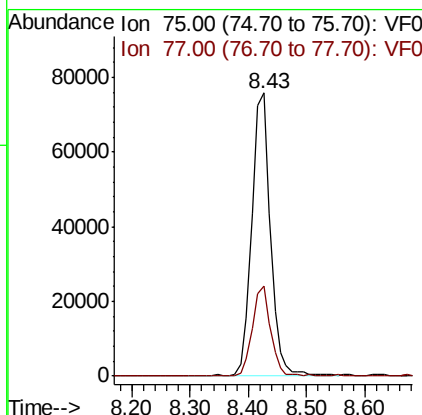
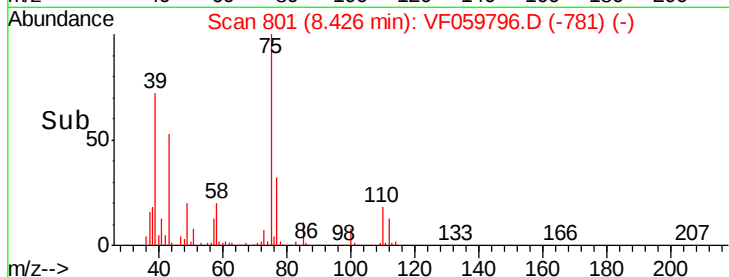
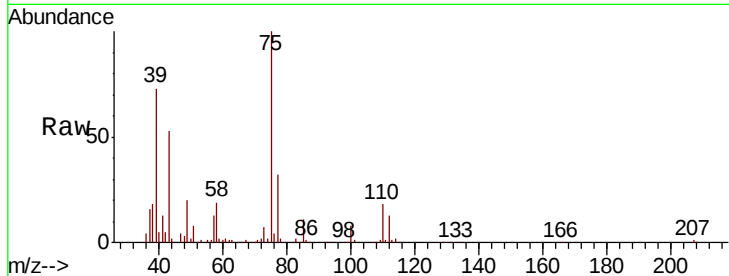
#53  
 t-1,3-Dichloropropene  
 Concen: 46.07 ug/l  
 RT: 8.43 min Scan# 801  
 Delta R.T. 0.00 min  
 Lab File: VF059796.D  
 Acq: 2 Aug 2018 12:51

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 75 Resp: 171049  
 Ion Ratio Lower Upper  
 75 100  
 77 31.9 27.0 40.4

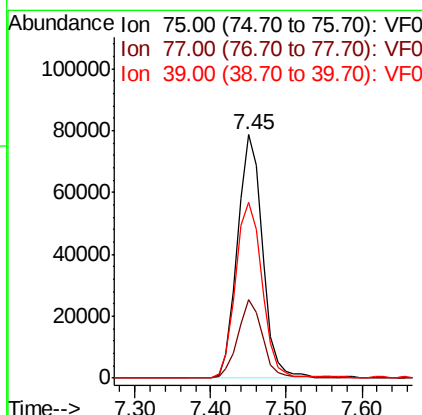
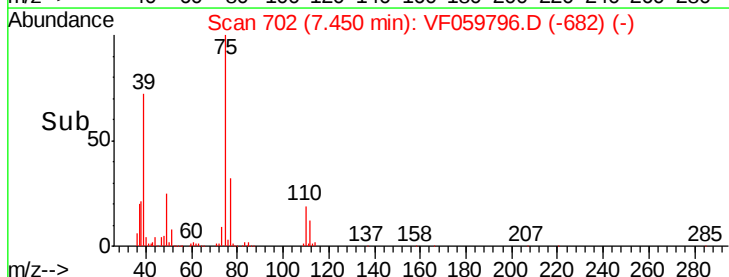
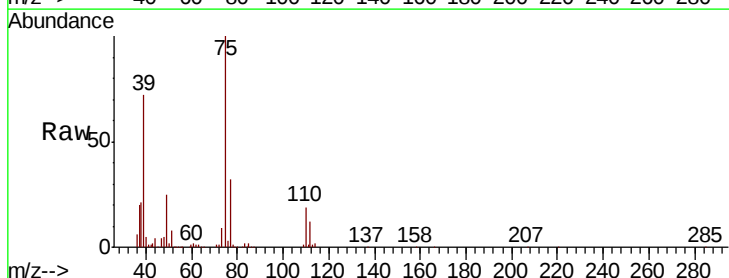
Manual Integrations  
 APPROVED

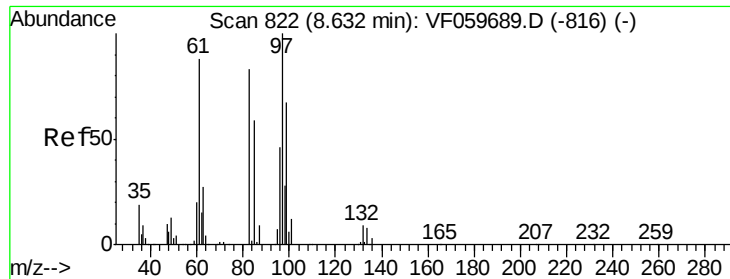
apatel  
 8/3/2018 2:38:56 PM



#54  
 cis-1,3-Dichloropropene  
 Concen: 50.12 ug/l  
 RT: 7.45 min Scan# 702  
 Delta R.T. 0.00 min  
 Lab File: VF059796.D  
 Acq: 2 Aug 2018 12:51

Tgt Ion: 75 Resp: 180247  
 Ion Ratio Lower Upper  
 75 100  
 77 32.3 24.0 36.0  
 39 72.3 65.4 98.2





#55

1,1,2-Trichloroethane

Concen: 47.57 ug/l

RT: 8.63 min Scan# 822

Delta R.T. 0.00 min

Lab File: VF059796.D

Acq: 2 Aug 2018 12:51

Instrument :

MSVOA\_F

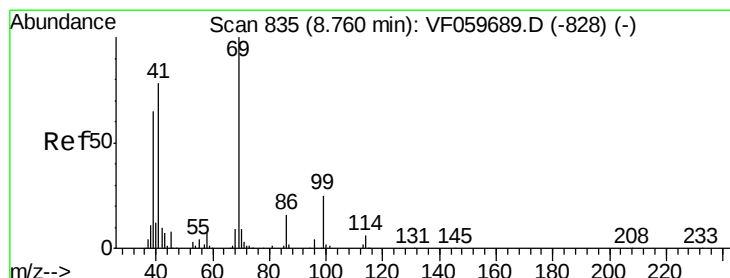
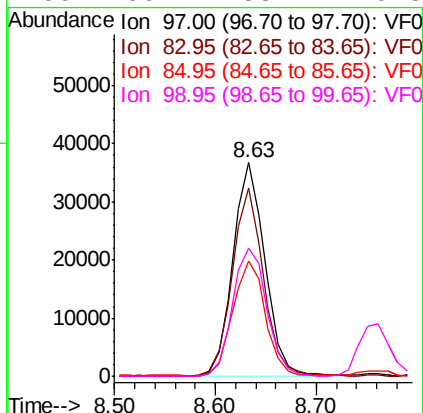
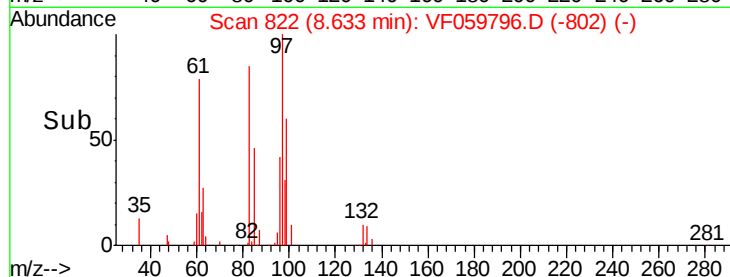
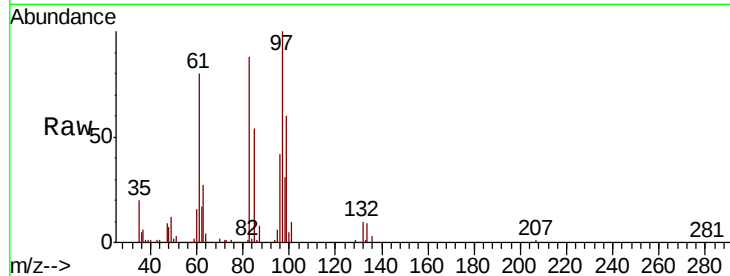
ClientSampleId :

VSTDCCC050

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 80747 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 87.8  | 66.6  | 100.0 |
| 85       | 53.7  | 47.4  | 71.0  |
| 99       | 60.2  | 53.2  | 79.8  |

Manual Integrations  
APPROVED

apatel  
8/3/2018 2:38:56 PM



#56

Ethyl methacrylate

Concen: 51.92 ug/l

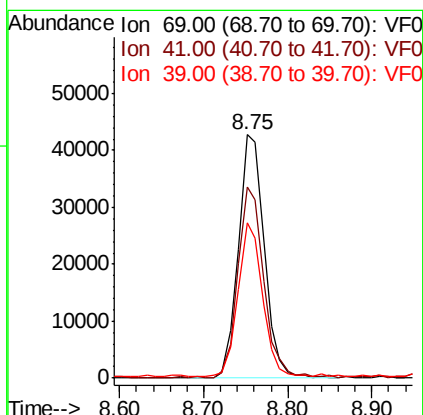
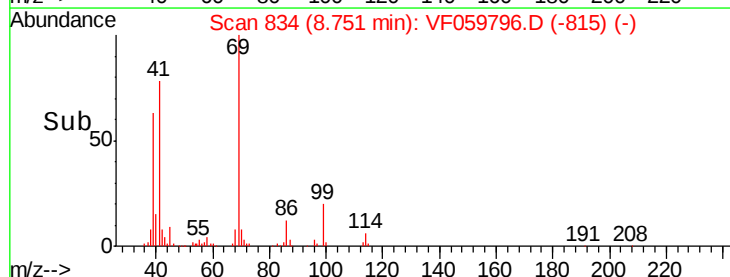
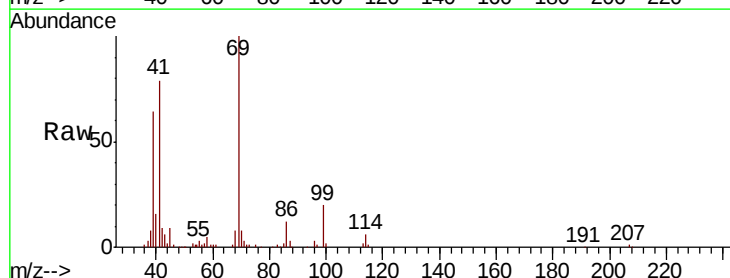
RT: 8.75 min Scan# 834

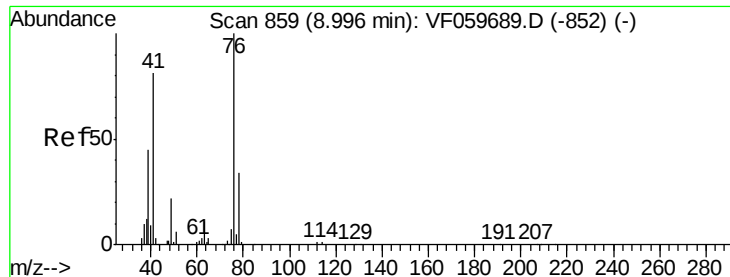
Delta R.T. -0.01 min

Lab File: VF059796.D

Acq: 2 Aug 2018 12:51

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 91899 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 78.7  | 62.3  | 93.5  |
| 39       | 63.9  | 52.4  | 78.6  |





#57

1,3-Dichloropropane

Concen: 47.63 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF059796.D

Acq: 2 Aug 2018 12:51

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 138692

Ion Ratio Lower Upper

76 100

78 32.1

27.2

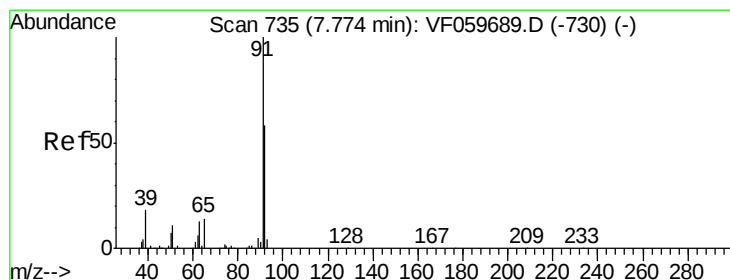
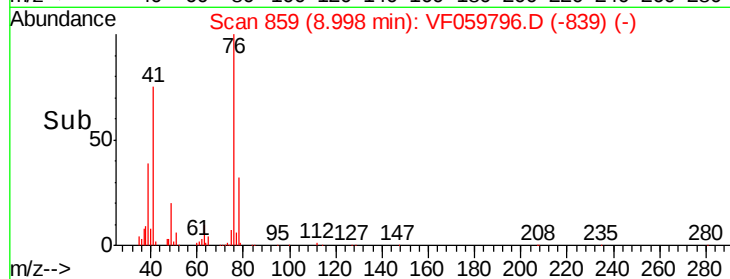
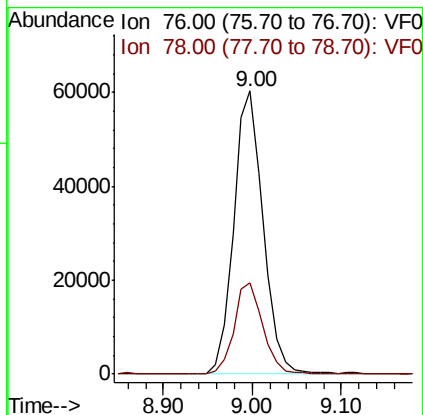
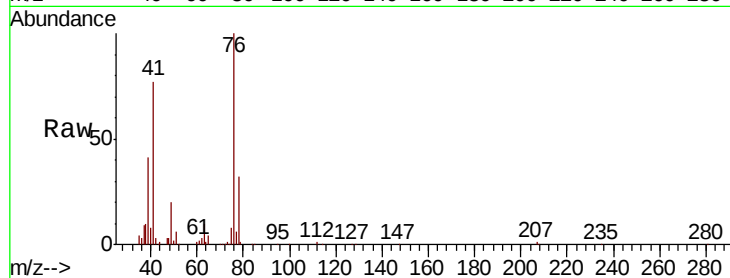
40.8

Manual Integrations

APPROVED

apatel

8/3/2018 2:38:56 PM



#58

2-Chloroethyl Vinyl ether

Concen: 205.80 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059796.D

Acq: 2 Aug 2018 12:51

Tgt Ion: 63 Resp: 42061

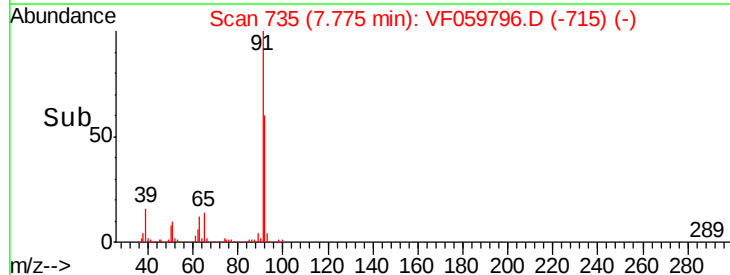
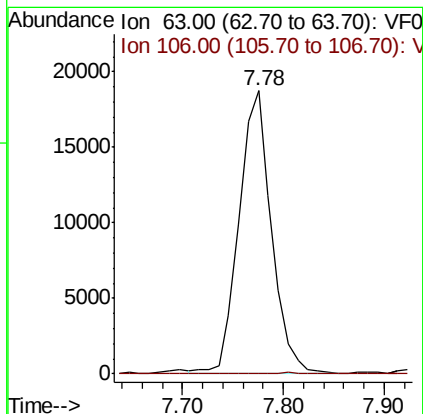
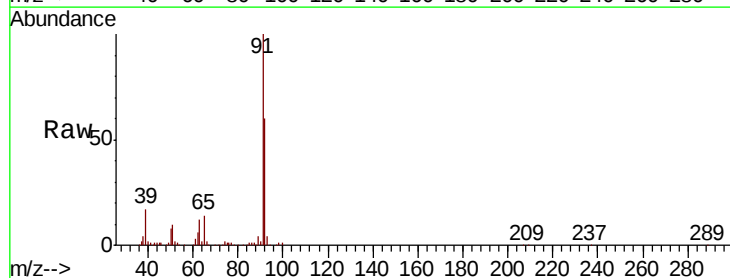
Ion Ratio Lower Upper

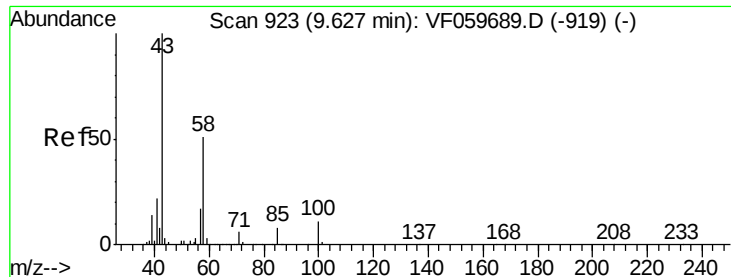
63 100

106 0.0

0.0

0.0





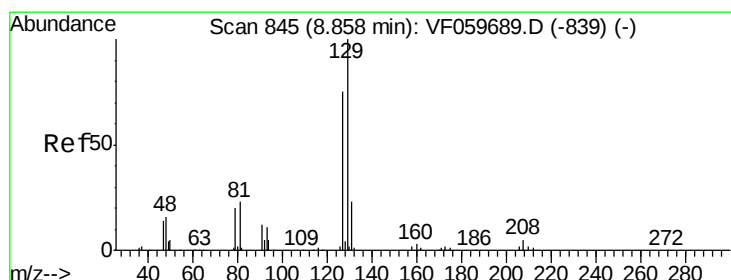
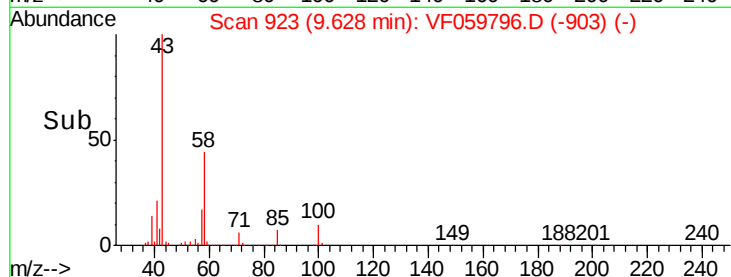
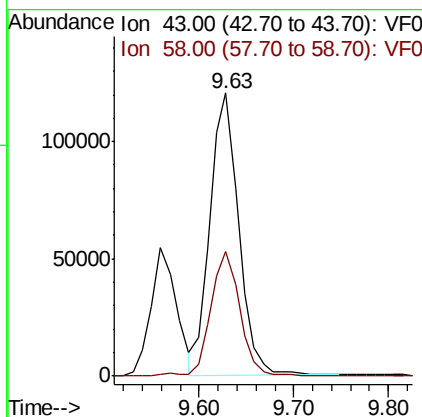
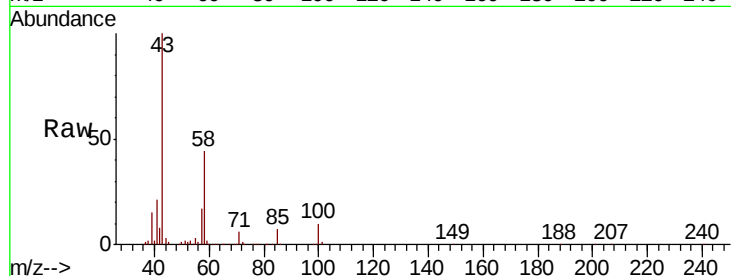
#59  
2-Hexanone  
Concen: 224.84 ug/l  
RT: 9.63 min Scan# 923  
Delta R.T. 0.00 min  
Lab File: VF059796.D  
Acq: 2 Aug 2018 12:51

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 44.1  | 23.3  | 69.8  |

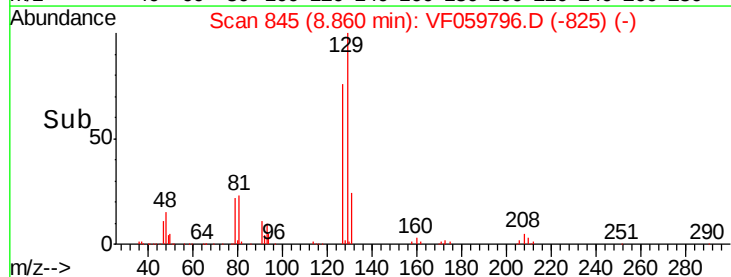
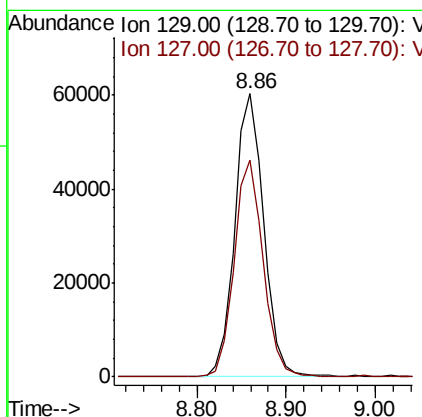
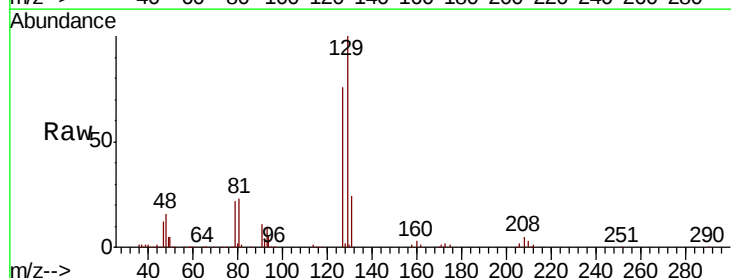
Manual Integrations  
APPROVED

apatel  
8/3/2018 2:38:56 PM



#60  
Dibromochloromethane  
Concen: 45.56 ug/l  
RT: 8.86 min Scan# 845  
Delta R.T. 0.00 min  
Lab File: VF059796.D  
Acq: 2 Aug 2018 12:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 129     | 100   |       |       |
| 127     | 76.5  | 37.7  | 113.1 |





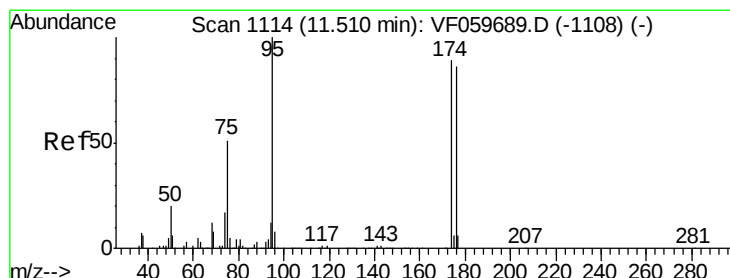
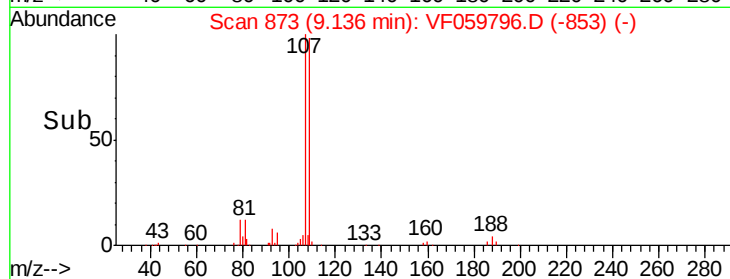
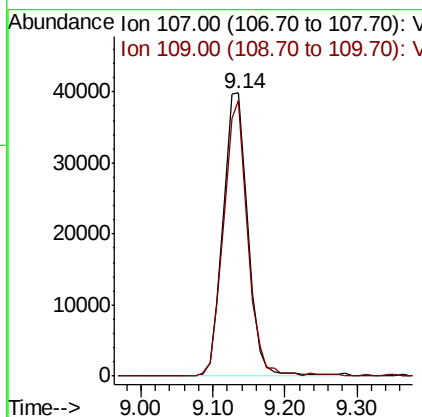
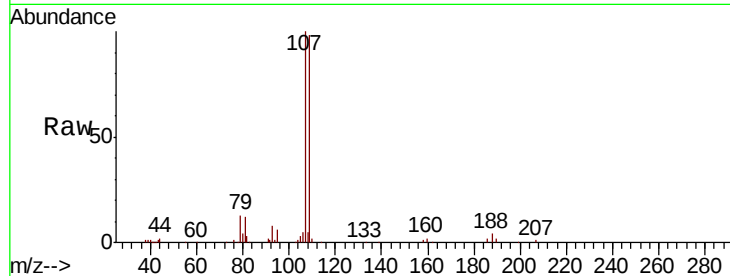
#61  
 1,2-Dibromoethane  
 Concen: 48.08 ug/l  
 RT: 9.14 min Scan# 873  
 Delta R.T. 0.00 min  
 Lab File: VF059796.D  
 Acq: 2 Aug 2018 12:51

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 97.6  | 73.6  | 110.4 |

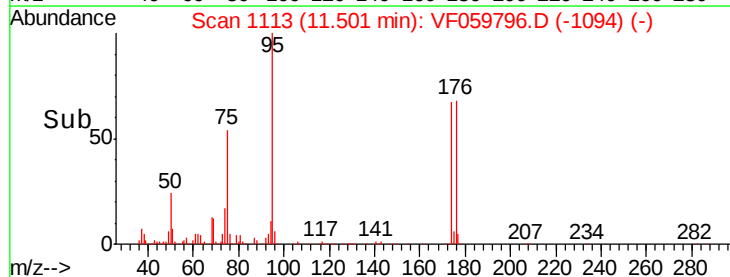
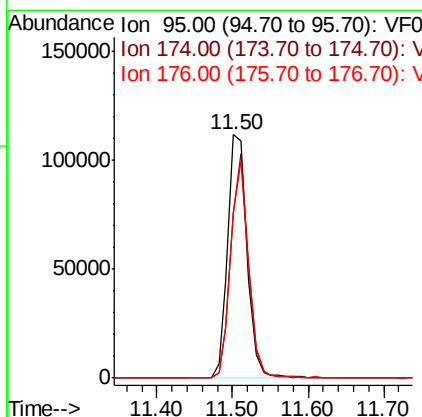
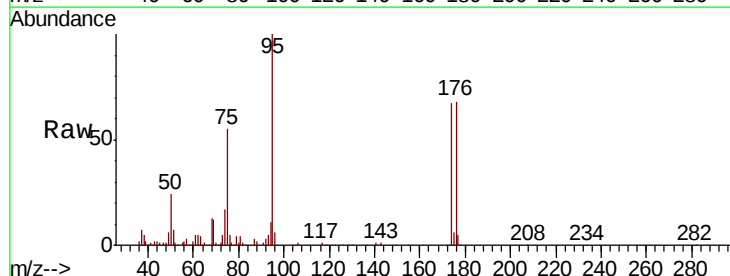
Manual Integrations  
 APPROVED

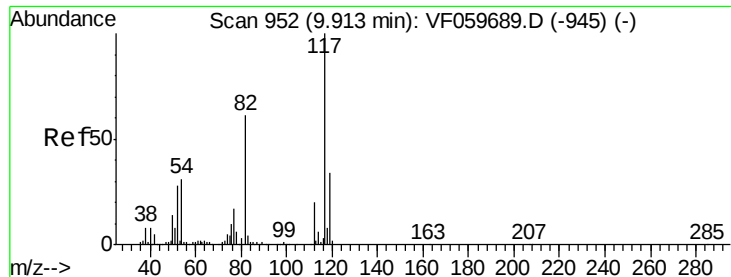
apatel  
 8/3/2018 2:38:56 PM



#62  
 4-Bromofluorobenzene  
 Concen: 47.75 ug/l  
 RT: 11.50 min Scan# 1113  
 Delta R.T. -0.01 min  
 Lab File: VF059796.D  
 Acq: 2 Aug 2018 12:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 67.5  | 0.0   | 178.4 |
| 176     | 67.8  | 0.0   | 173.0 |





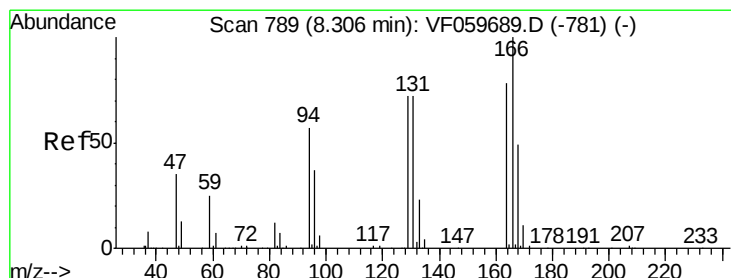
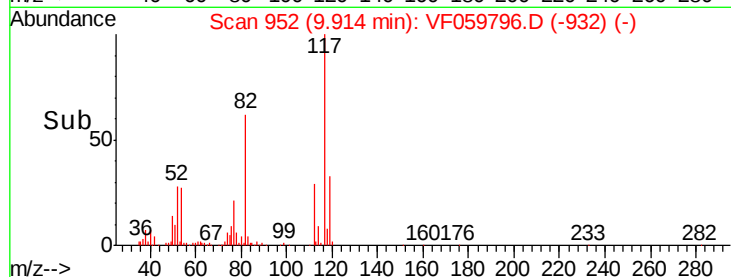
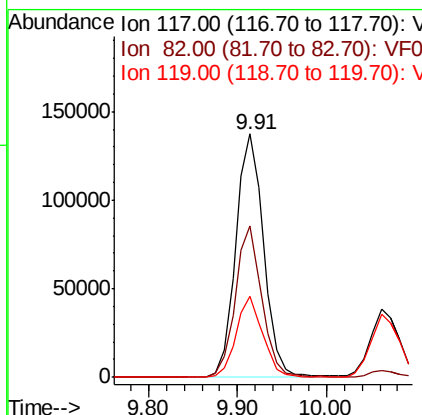
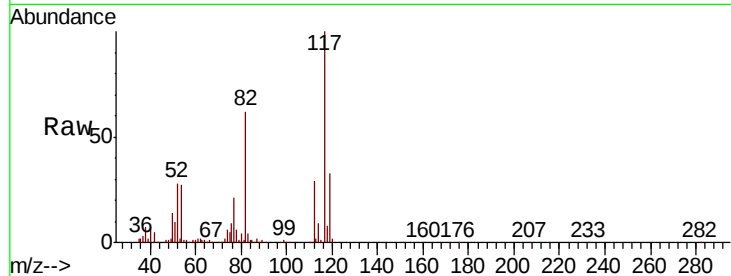
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 9.91 min Scan# 952  
Delta R.T. 0.00 min  
Lab File: VF059796.D  
Acq: 2 Aug 2018 12:51

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 299270 |       |       |
| 82      | 62.2  |        | 49.0  | 73.4  |
| 119     | 33.3  |        | 27.3  | 40.9  |

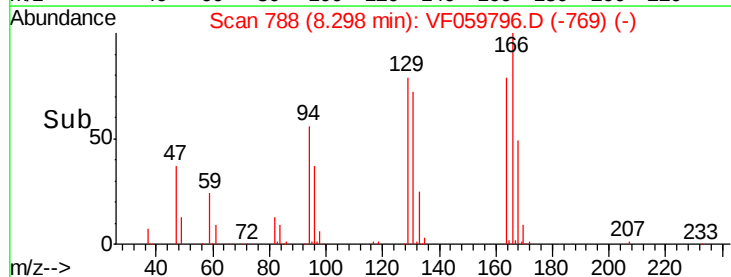
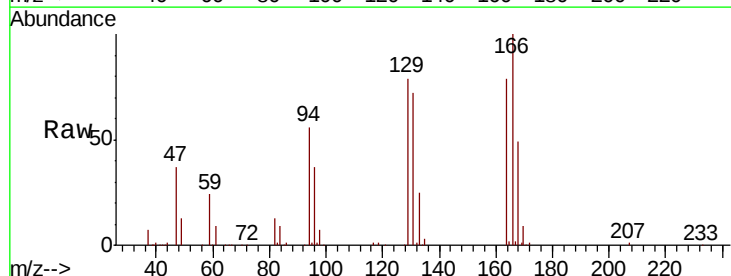
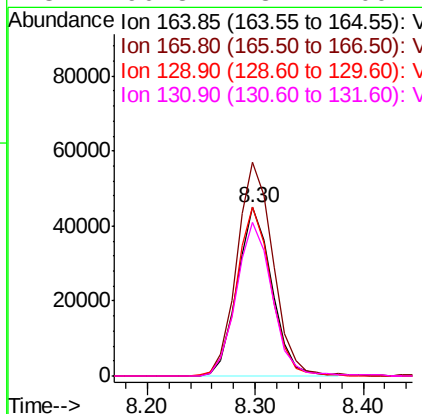
Manual Integrations  
APPROVED

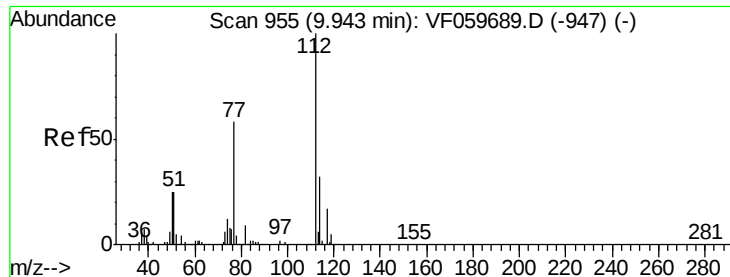
apatel  
8/3/2018 2:38:56 PM



#64  
Tetrachloroethene  
Concen: 49.68 ug/l  
RT: 8.30 min Scan# 788  
Delta R.T. -0.01 min  
Lab File: VF059796.D  
Acq: 2 Aug 2018 12:51

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 100427 |       |       |
| 166     | 126.6 |        | 102.1 | 153.1 |
| 129     | 99.8  |        | 73.8  | 110.6 |
| 131     | 90.8  |        | 73.1  | 109.7 |





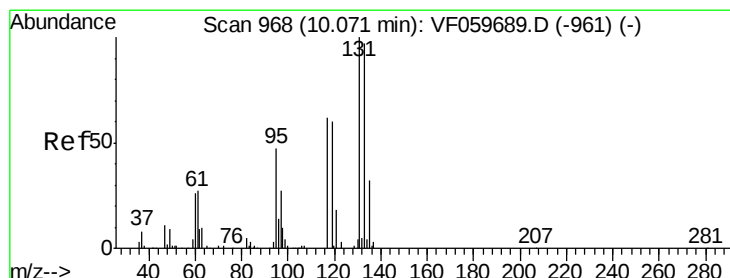
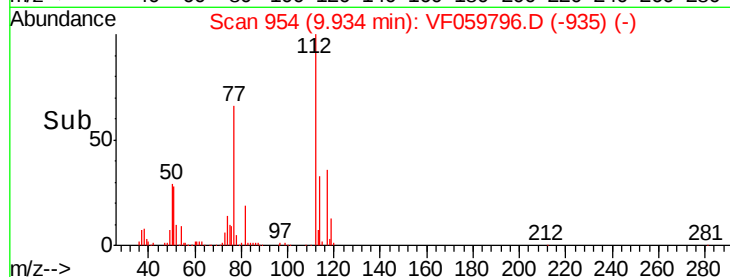
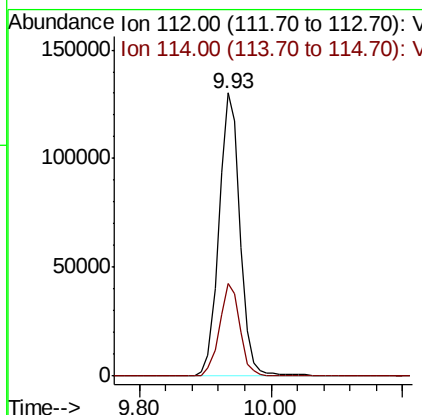
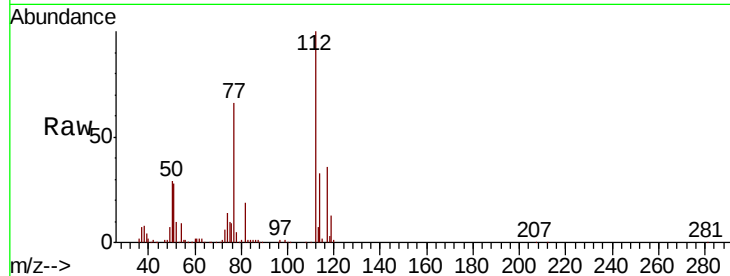
#65  
Chlorobenzene  
Concen: 48.55 ug/l  
RT: 9.93 min Scan# 954  
Delta R.T. -0.01 min  
Lab File: VF059796.D  
Acq: 2 Aug 2018 12:51

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 32.7  | 25.6  | 38.4  |

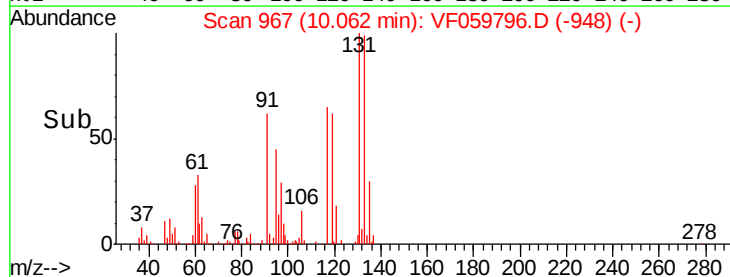
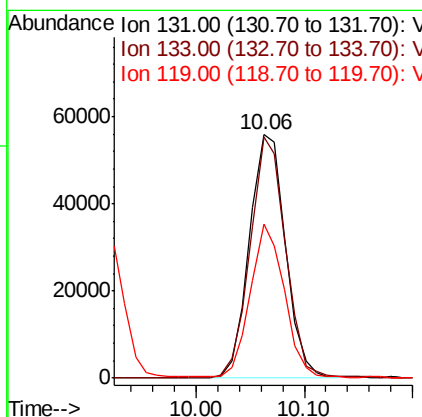
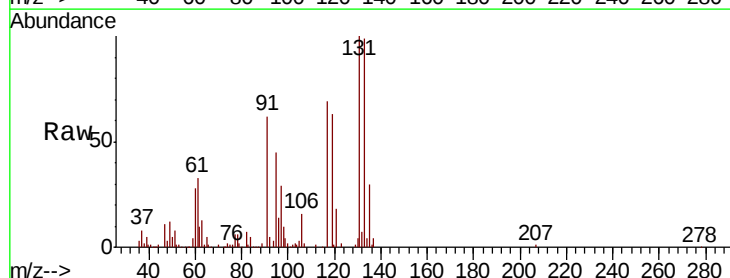
Manual Integrations  
APPROVED

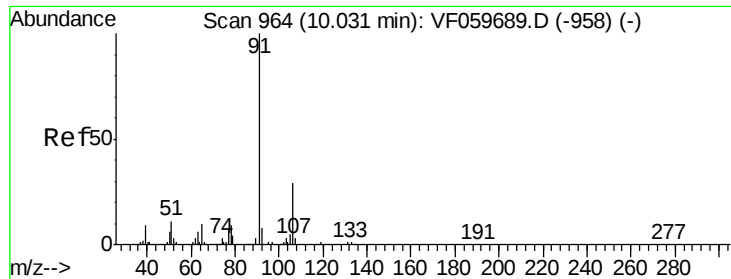
apatel  
8/3/2018 2:38:56 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 46.79 ug/l  
RT: 10.06 min Scan# 967  
Delta R.T. -0.01 min  
Lab File: VF059796.D  
Acq: 2 Aug 2018 12:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 99.0  | 48.5  | 145.5 |
| 119     | 63.2  | 30.3  | 90.8  |





#67

Ethyl Benzene

Concen: 47.75 ug/l

RT: 10.03 min Scan# 964

Delta R.T. 0.00 min

Lab File: VF059796.D

Acq: 2 Aug 2018 12:51

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 494598

Ion Ratio Lower Upper

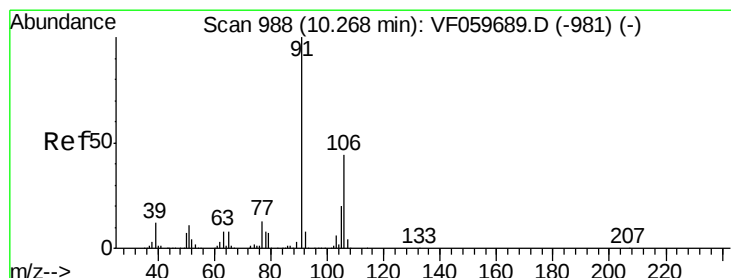
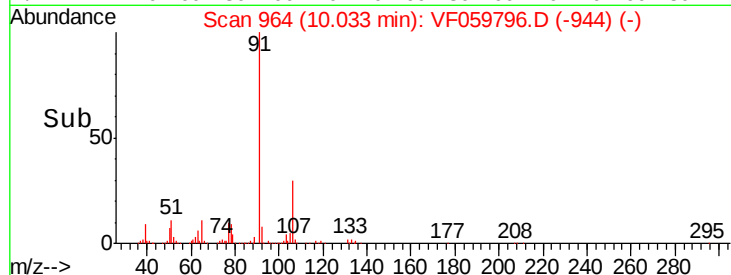
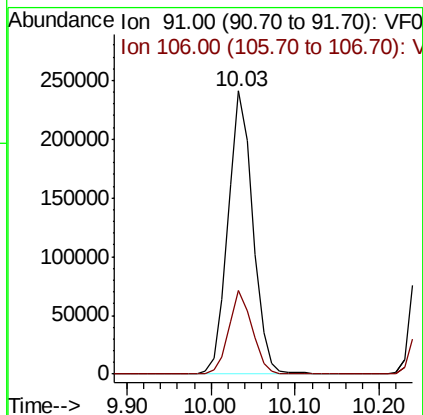
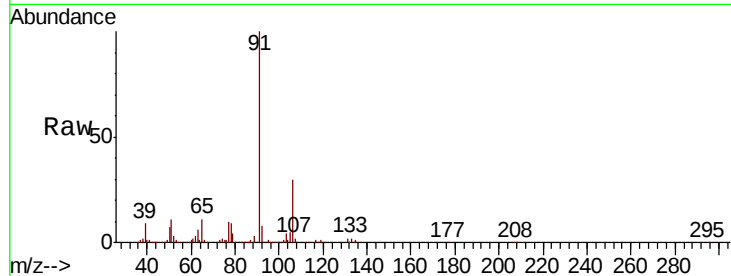
91 100

106 29.8 22.9 34.3

Manual Integrations  
APPROVED

apatel

8/3/2018 2:38:56 PM



#68

m/p-Xylenes

Concen: 110.10 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF059796.D

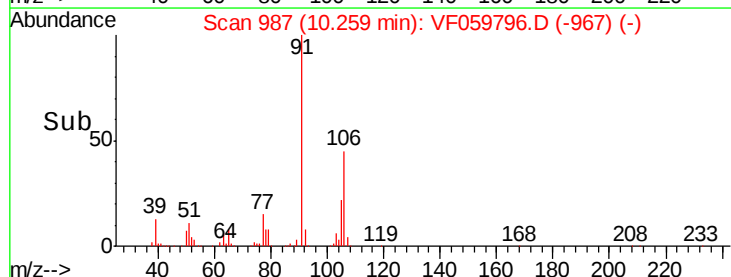
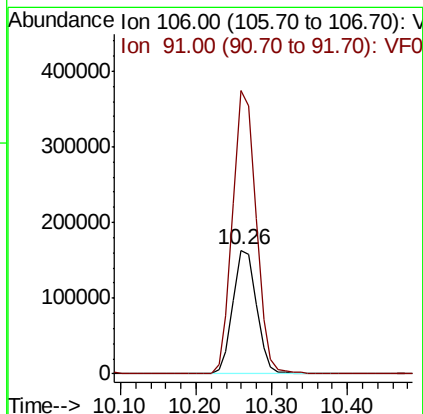
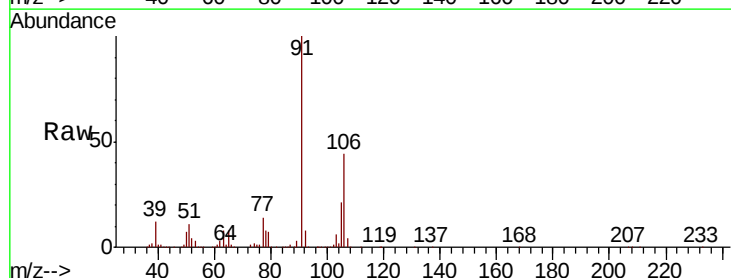
Acq: 2 Aug 2018 12:51

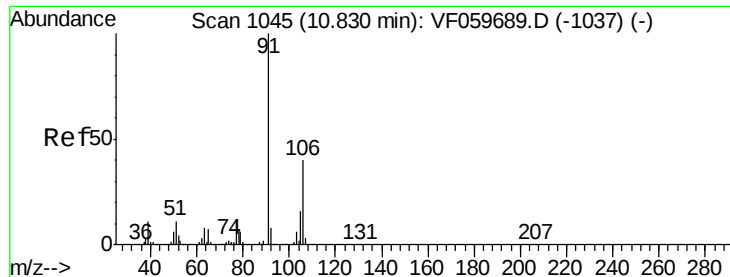
Tgt Ion: 106 Resp: 353455

Ion Ratio Lower Upper

106 100

91 228.8 181.7 272.5





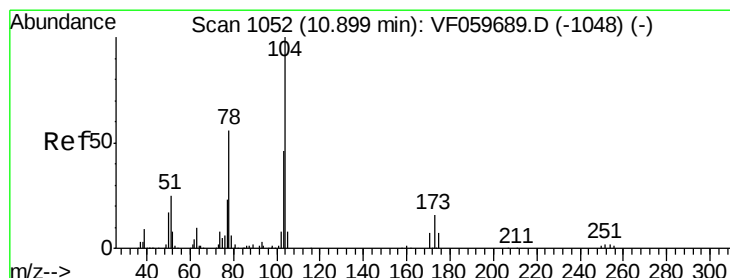
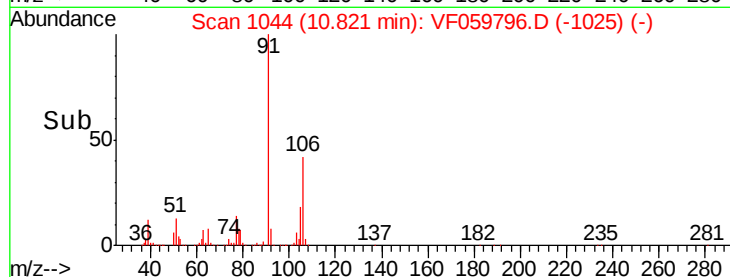
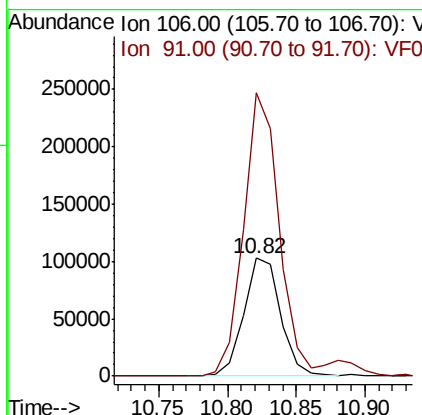
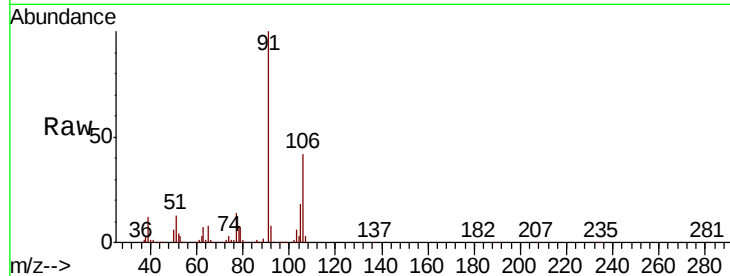
#69  
o-Xylene  
Concen: 50.24 ug/l  
RT: 10.82 min Scan# 1044  
Delta R.T. -0.01 min  
Lab File: VF059796.D  
Acq: 2 Aug 2018 12:51

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 240.5 | 124.6 | 373.7 |

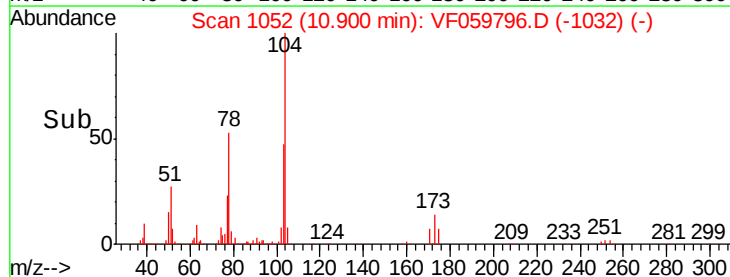
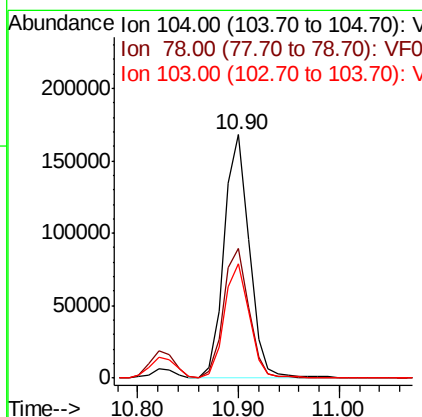
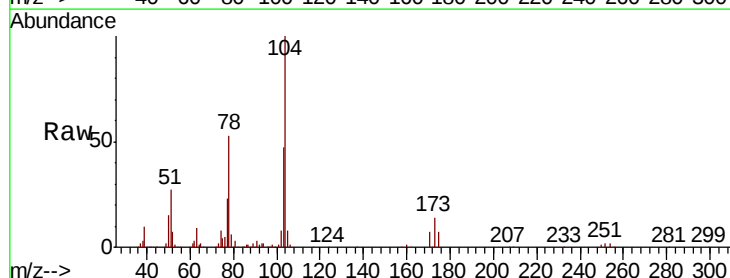
Manual Integrations  
APPROVED

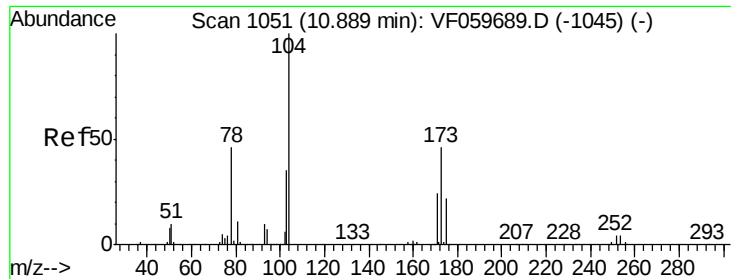
apatel  
8/3/2018 2:38:56 PM



#70  
Styrene  
Concen: 50.13 ug/l  
RT: 10.90 min Scan# 1052  
Delta R.T. 0.00 min  
Lab File: VF059796.D  
Acq: 2 Aug 2018 12:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 53.1  | 45.3  | 67.9  |
| 103     | 47.1  | 36.6  | 54.8  |





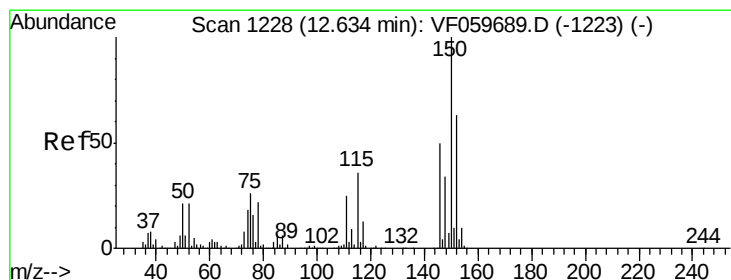
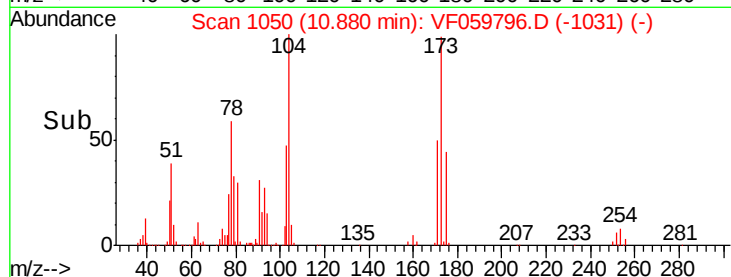
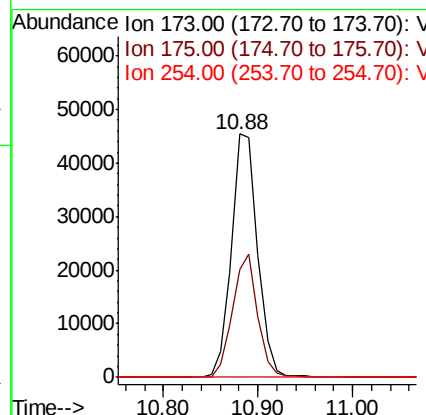
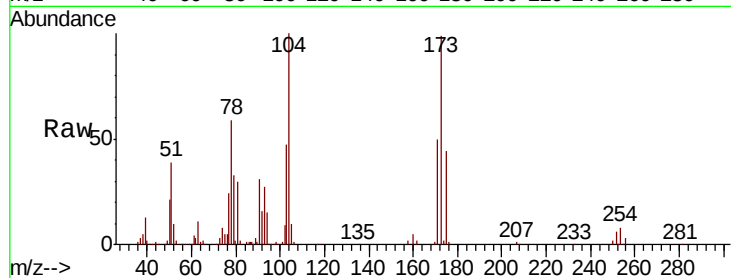
#71  
Bromoform  
Concen: 47.65 ug/l  
RT: 10.88 min Scan# 1050  
Delta R.T. -0.01 min  
Lab File: VF059796.D  
Acq: 2 Aug 2018 12:51

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 44.6  | 23.4  | 70.0  |
| 254     | 0.3   | 0.0   | 0.0   |

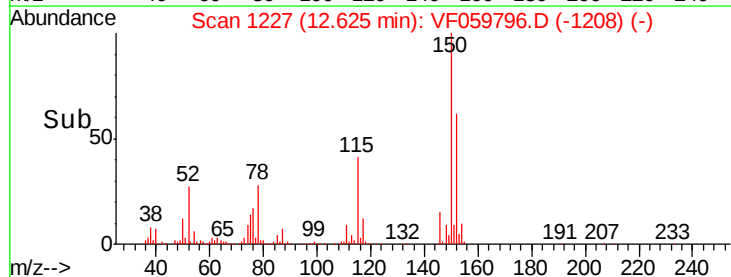
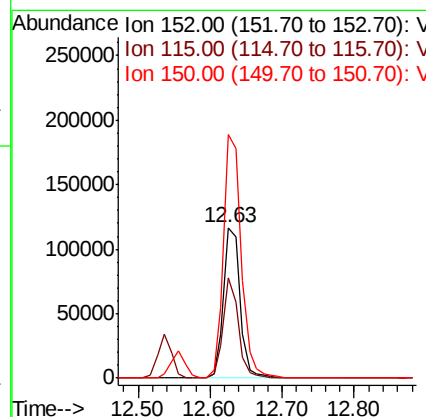
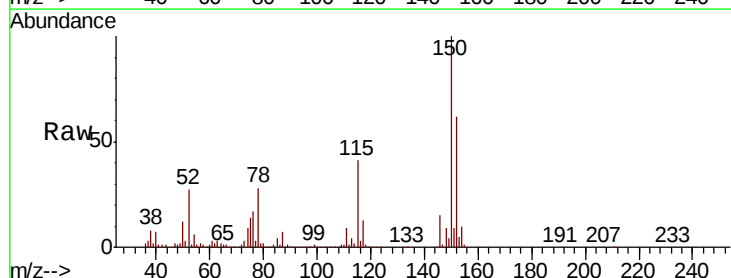
Manual Integrations  
APPROVED

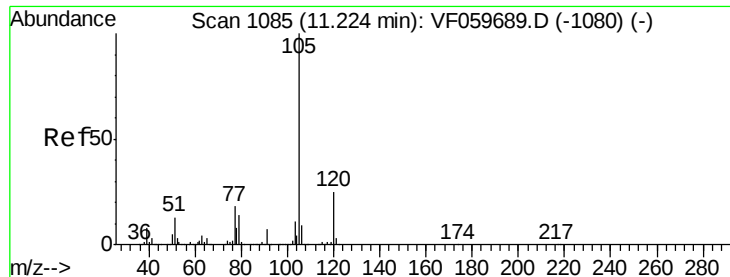
apatel  
8/3/2018 2:38:56 PM



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.63 min Scan# 1227  
Delta R.T. -0.01 min  
Lab File: VF059796.D  
Acq: 2 Aug 2018 12:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 66.7  | 28.2  | 84.6  |
| 150     | 161.7 | 0.0   | 316.2 |





#73

Isopropylbenzene

Concen: 49.84 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059796.D

Acq: 2 Aug 2018 12:51

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 605630

Ion Ratio Lower Upper

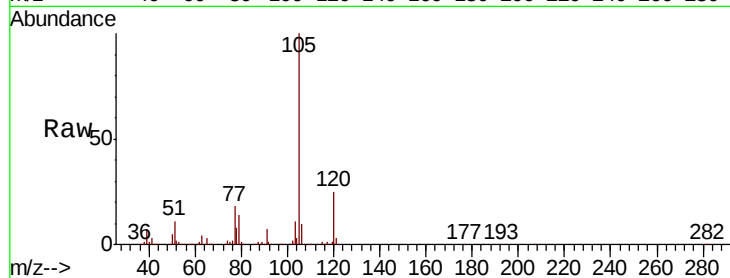
105 100

120 25.2 12.4 37.4

Manual Integrations  
APPROVED

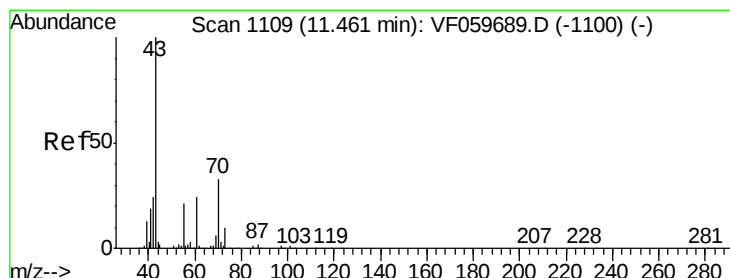
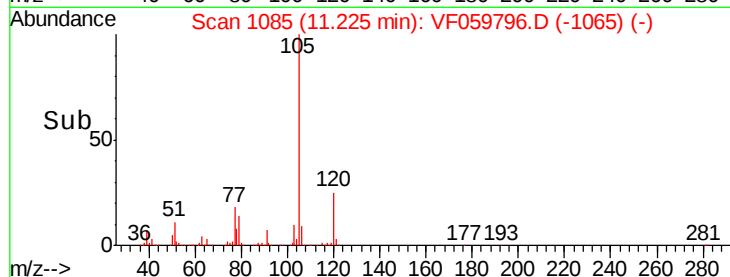
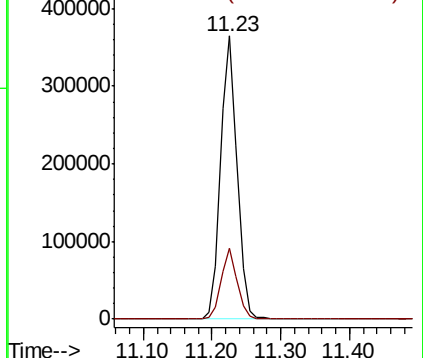
apatel

8/3/2018 2:38:56 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.04 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059796.D

Acq: 2 Aug 2018 12:51

Tgt Ion: 43 Resp: 150325

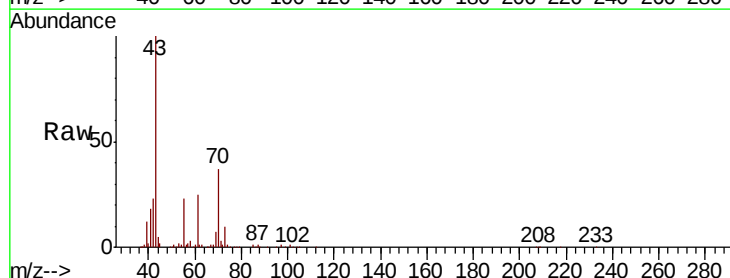
Ion Ratio Lower Upper

43 100

70 36.6 26.3 39.5

55 22.7 16.6 25.0

61 25.1 19.1 28.7

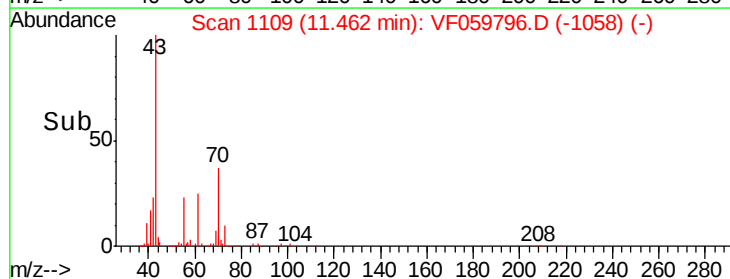
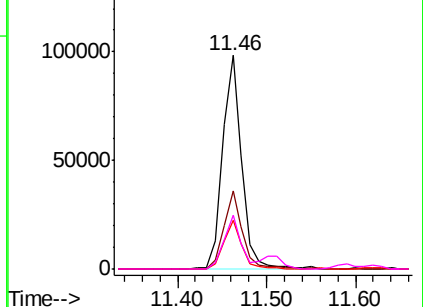


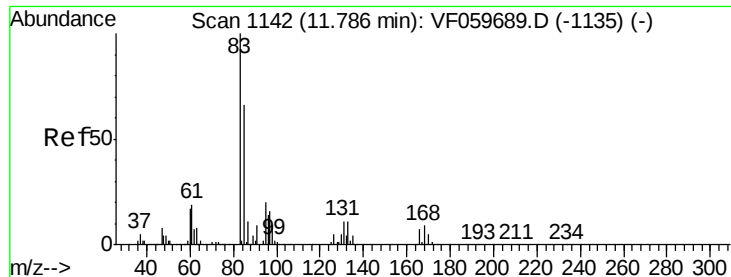
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.27 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF059796.D

Acq: 2 Aug 2018 12:51

Instrument :

MSVOA\_F

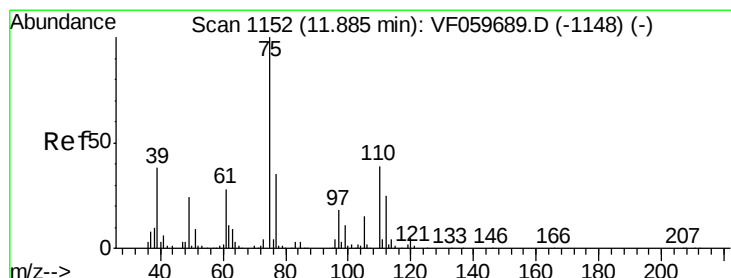
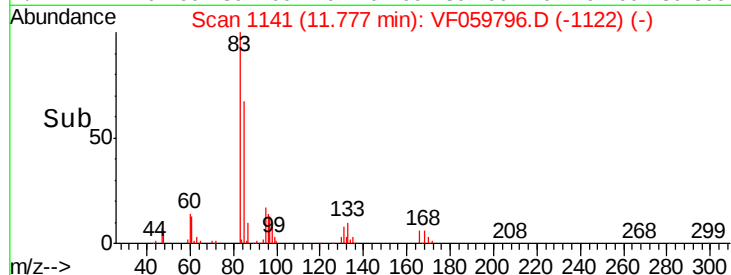
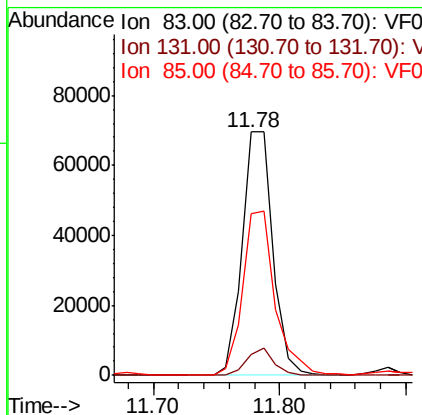
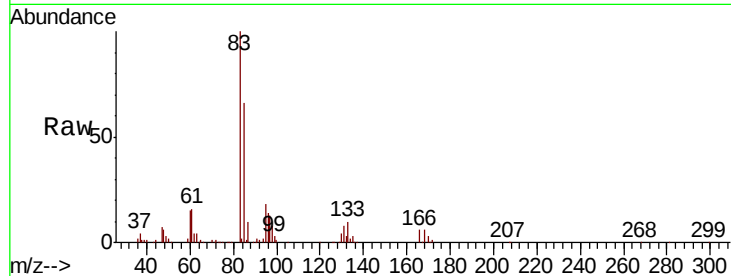
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 117259 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 8.4   | 5.8   | 17.3   |
| 85        | 66.4  | 32.8  | 98.3   |

Manual Integrations  
APPROVED

apatel  
8/3/2018 2:38:56 PM



#76

1,2,3-Trichloropropane

Concen: 50.44 ug/l

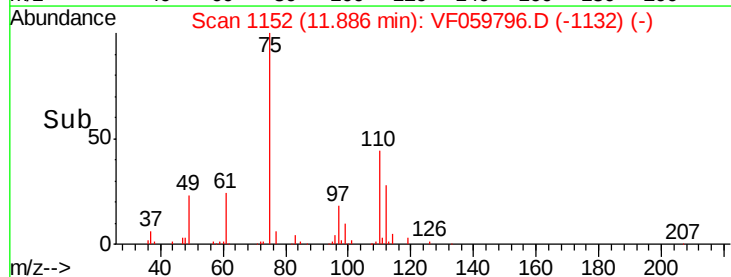
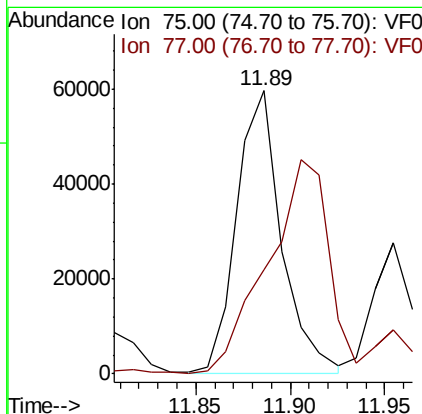
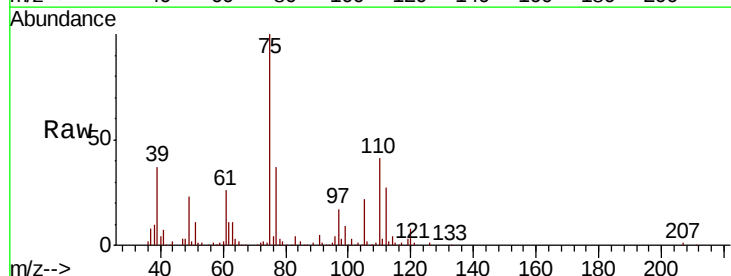
RT: 11.89 min Scan# 1152

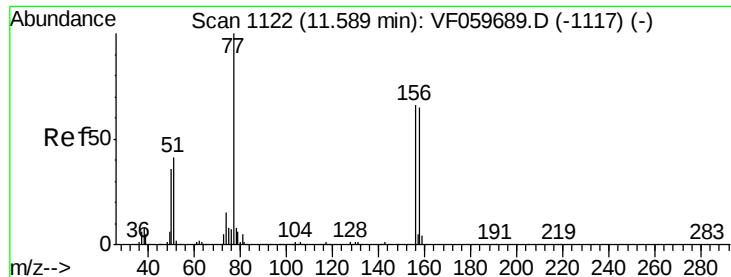
Delta R.T. 0.00 min

Lab File: VF059796.D

Acq: 2 Aug 2018 12:51

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 98104 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 36.9  | 18.0  | 54.0  |





#77

Bromobenzene

Concen: 48.46 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059796.D

Acq: 2 Aug 2018 12:51

Instrument :

MSVOA\_F

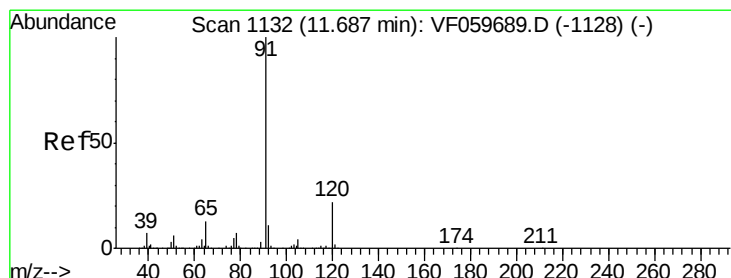
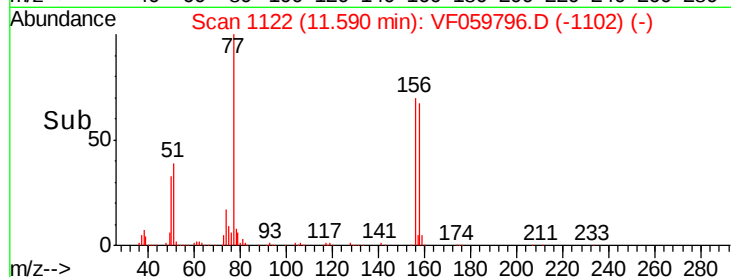
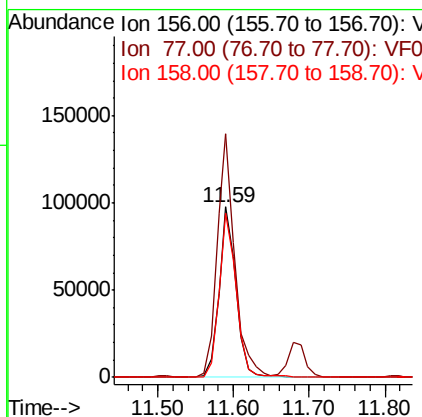
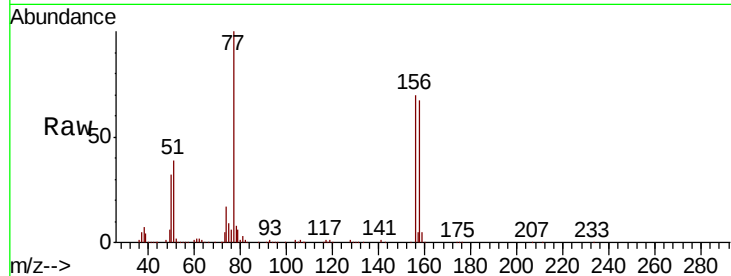
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 153776 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 142.7 | 75.2  | 225.6  |
| 158       | 96.1  | 49.1  | 147.3  |

Manual Integrations  
APPROVED

apatel  
8/3/2018 2:38:56 PM



#78

n-propylbenzene

Concen: 55.10 ug/l

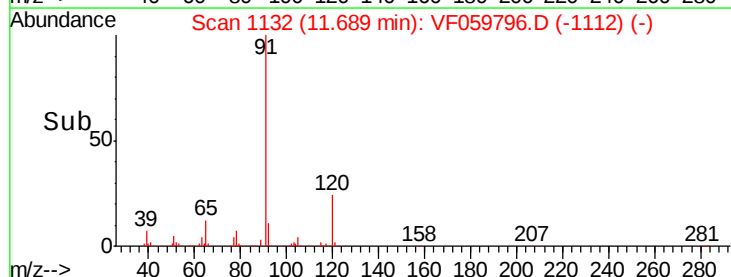
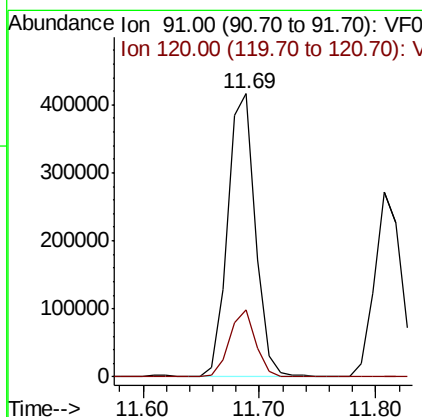
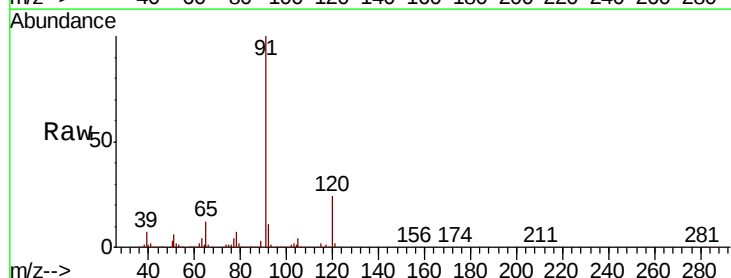
RT: 11.69 min Scan# 1132

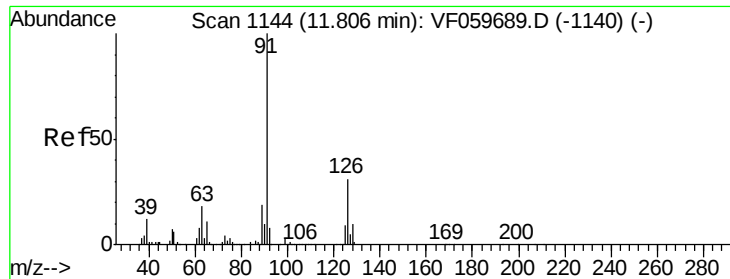
Delta R.T. 0.00 min

Lab File: VF059796.D

Acq: 2 Aug 2018 12:51

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 679854 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 23.7  | 11.0  | 33.0   |





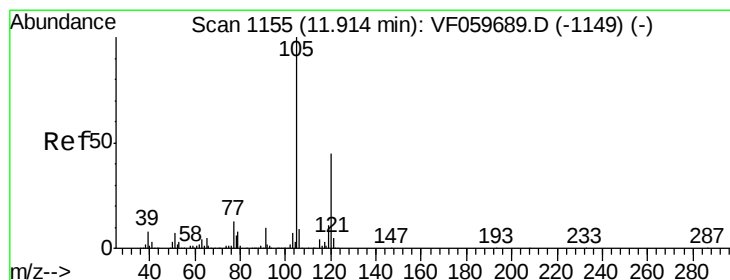
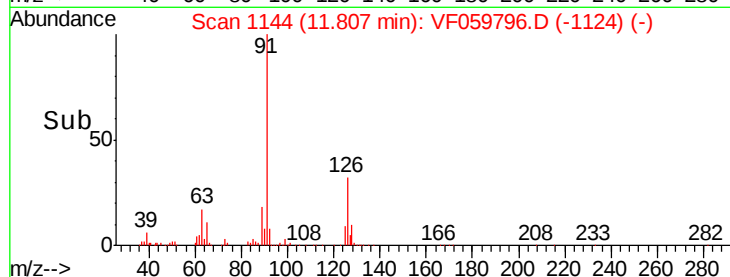
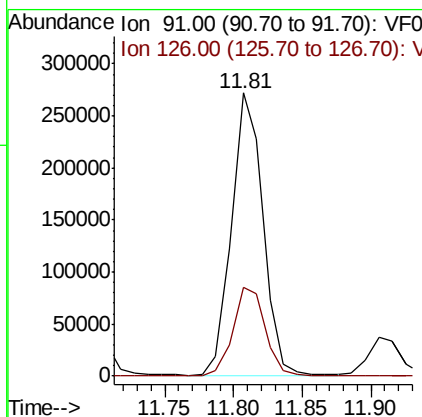
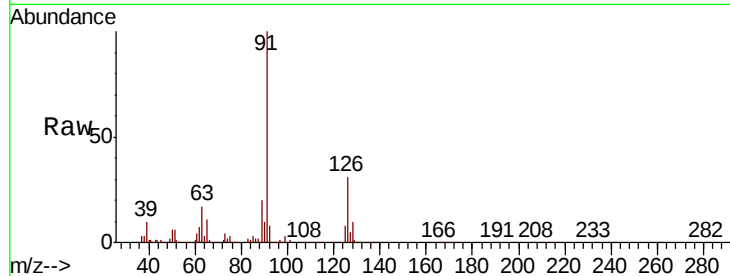
#79  
 2-Chlorotoluene  
 Concen: 55.20 ug/l  
 RT: 11.81 min Scan# 1144  
 Delta R.T. 0.00 min  
 Lab File: VF059796.D  
 Acq: 2 Aug 2018 12:51

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 31.5  | 15.4  | 46.2  |

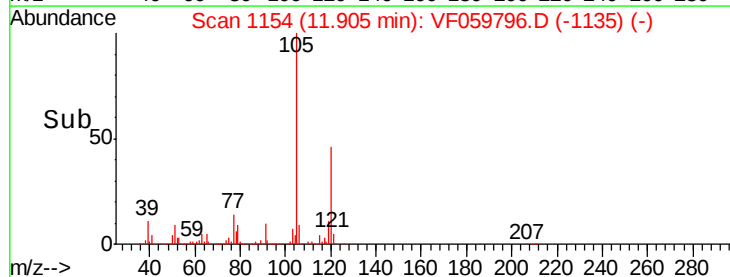
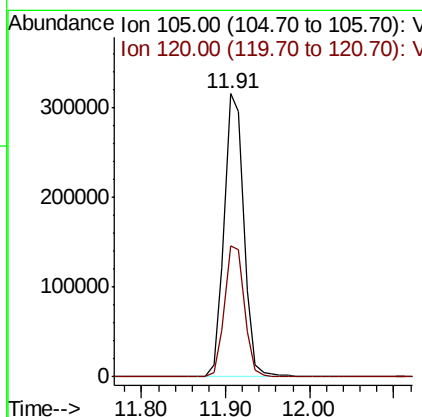
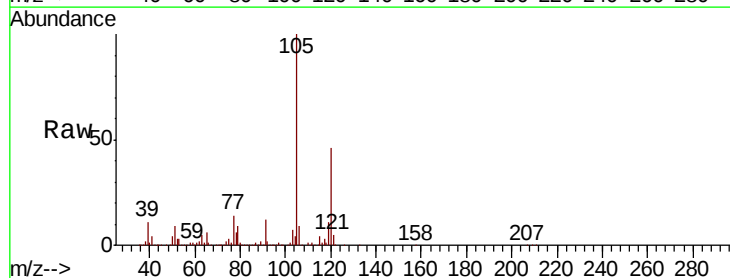
Manual Integrations  
 APPROVED

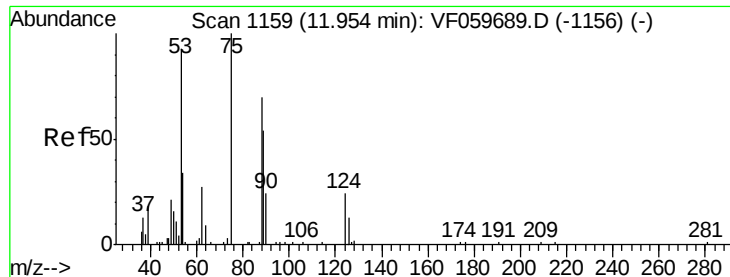
apatel  
 8/3/2018 2:38:56 PM



#80  
 1,3,5-Trimethylbenzene  
 Concen: 53.67 ug/l  
 RT: 11.91 min Scan# 1154  
 Delta R.T. -0.01 min  
 Lab File: VF059796.D  
 Acq: 2 Aug 2018 12:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 46.1  | 22.7  | 68.0  |





#81

trans-1,4-Dichloro-2-butene

Concen: 68.78 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059796.D

Acq: 2 Aug 2018 12:51

Instrument :

MSVOA\_F

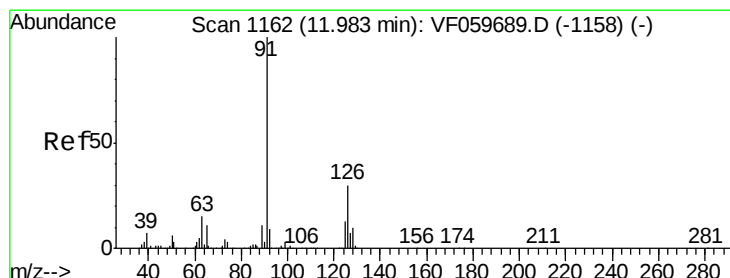
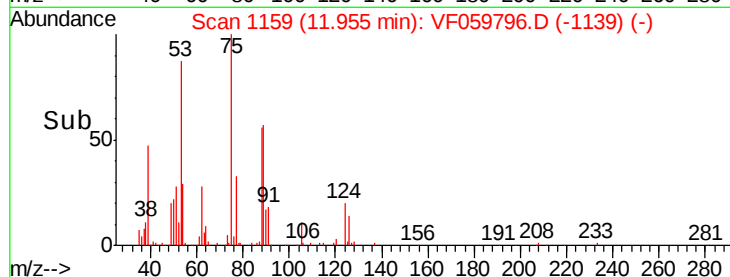
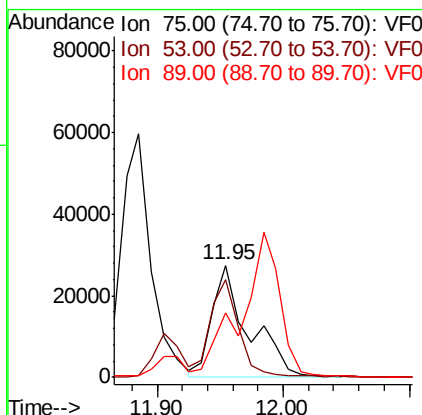
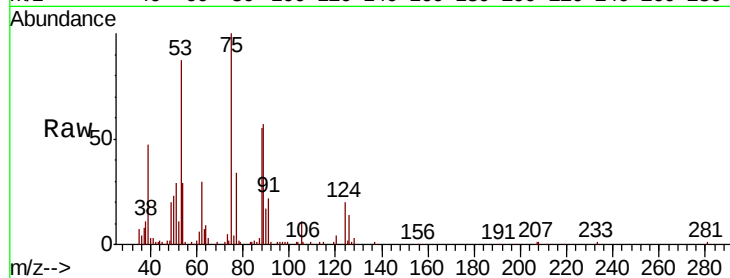
ClientSampleId :

VSTDCCC050

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 75    | Resp: | 55397 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 53        | 86.6  | 78.3  | 117.5 |
| 89        | 57.2  | 45.4  | 68.2  |

Manual Integrations  
APPROVED

apatel  
8/3/2018 2:38:56 PM



#82

4-Chlorotoluene

Concen: 54.02 ug/l

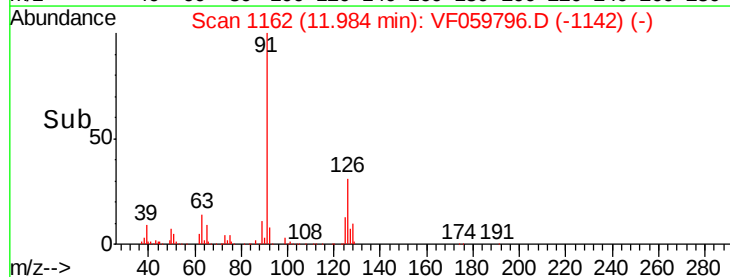
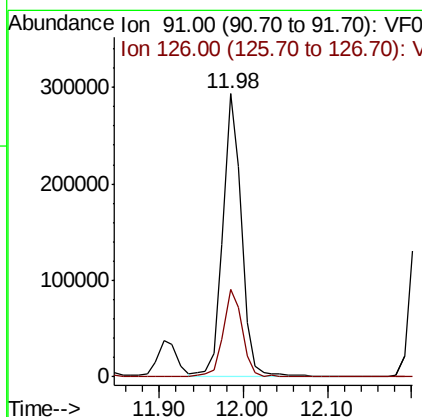
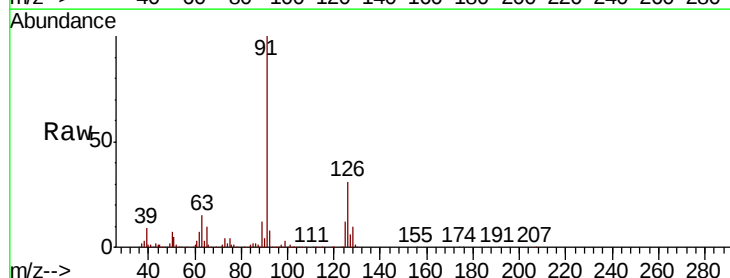
RT: 11.98 min Scan# 1162

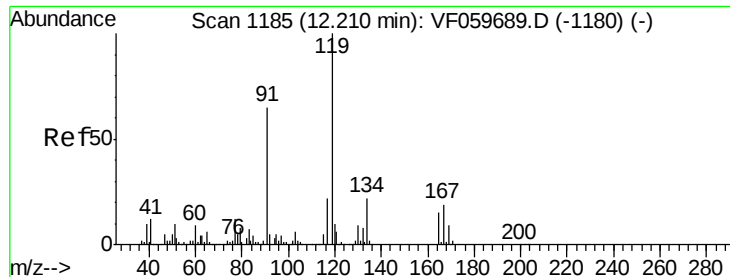
Delta R.T. 0.00 min

Lab File: VF059796.D

Acq: 2 Aug 2018 12:51

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 449637 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 126       | 31.0  | 15.2  | 45.6   |





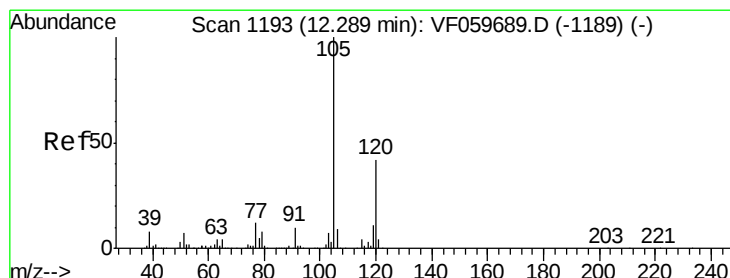
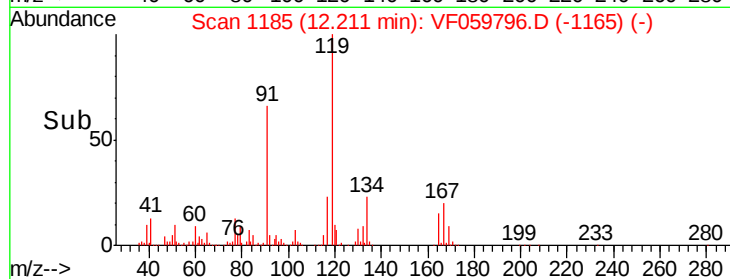
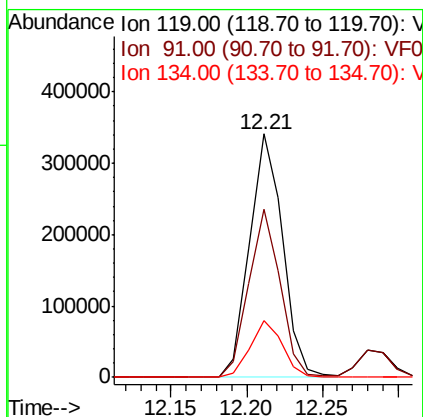
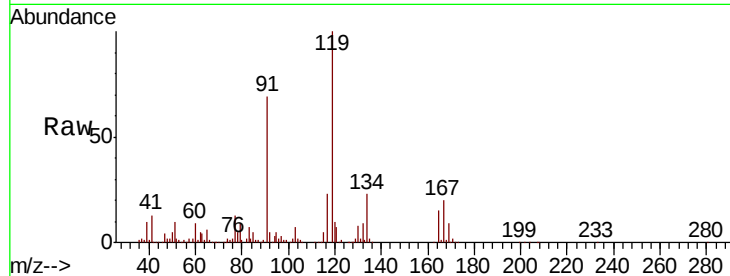
#83  
 tert-Butylbenzene  
 Concen: 47.91 ug/l  
 RT: 12.21 min Scan# 1185  
 Delta R.T. 0.00 min  
 Lab File: VF059796.D  
 Acq: 2 Aug 2018 12:51

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 68.8  | 32.8  | 98.4  |
| 134     | 23.5  | 10.9  | 32.7  |

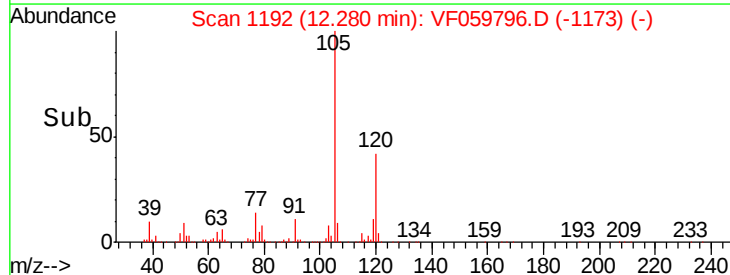
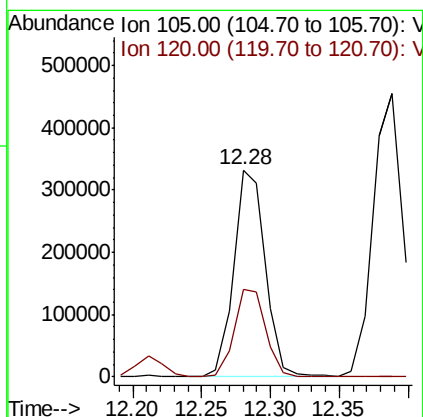
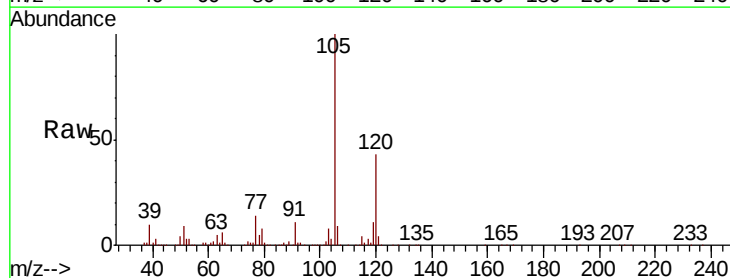
Manual Integrations  
 APPROVED

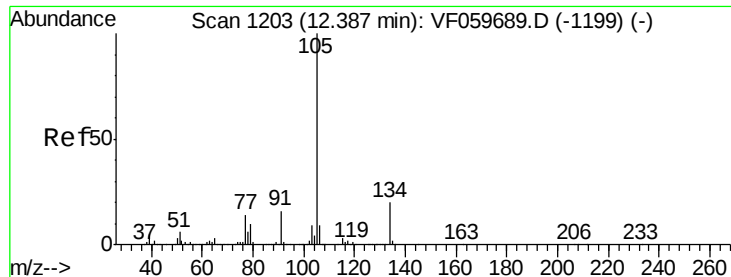
apatel  
 8/3/2018 2:38:56 PM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 54.51 ug/l  
 RT: 12.28 min Scan# 1192  
 Delta R.T. -0.01 min  
 Lab File: VF059796.D  
 Acq: 2 Aug 2018 12:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 42.5  | 21.1  | 63.3  |





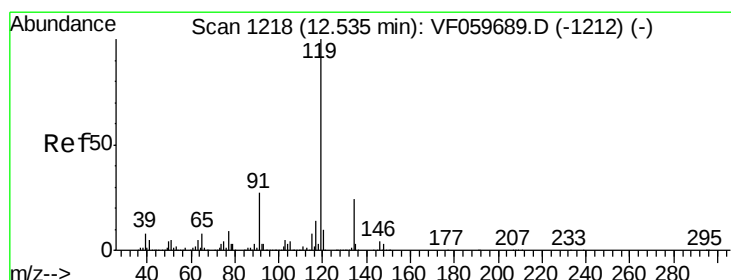
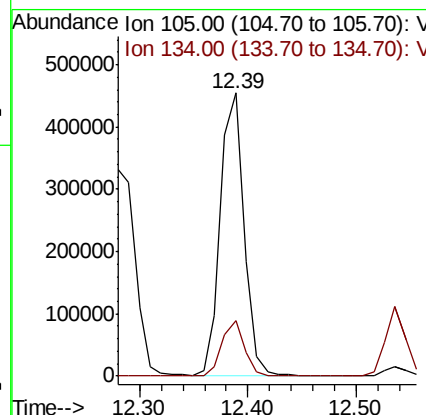
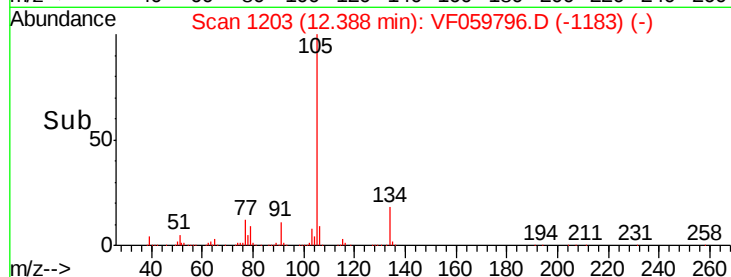
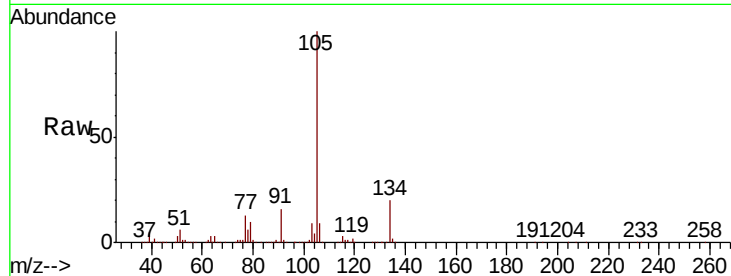
#85  
 sec-Butylbenzene  
 Concen: 56.64 ug/l  
 RT: 12.39 min Scan# 1203  
 Delta R.T. 0.00 min  
 Lab File: VF059796.D  
 Acq: 2 Aug 2018 12:51

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 694100 |       |       |
| 134     | 19.6  | 9.8    | 29.3  |       |

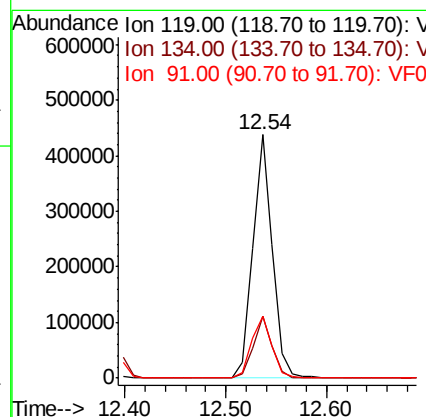
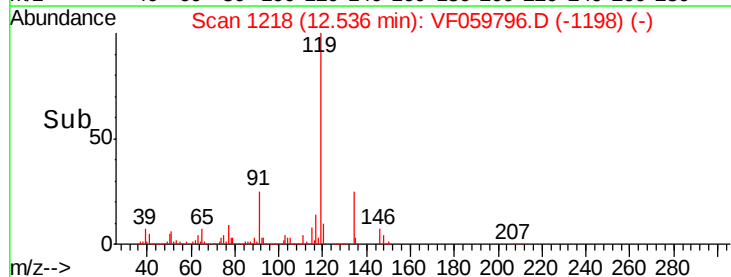
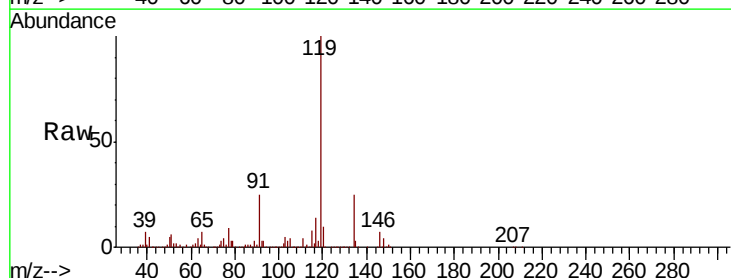
Manual Integrations  
 APPROVED

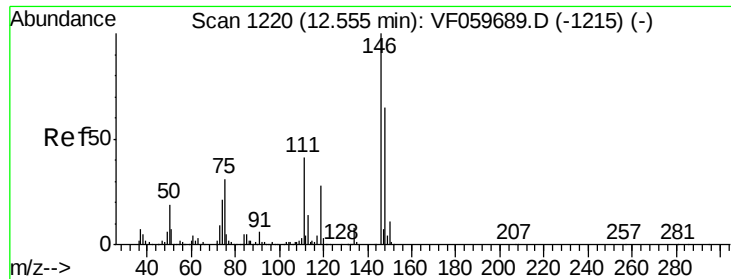
apatel  
 8/3/2018 2:38:56 PM



#86  
 p-Isopropyltoluene  
 Concen: 55.39 ug/l  
 RT: 12.54 min Scan# 1218  
 Delta R.T. 0.00 min  
 Lab File: VF059796.D  
 Acq: 2 Aug 2018 12:51

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 592770 |       |       |
| 134     | 25.3  | 12.2   | 36.6  |       |
| 91      | 25.5  | 13.4   | 40.2  |       |





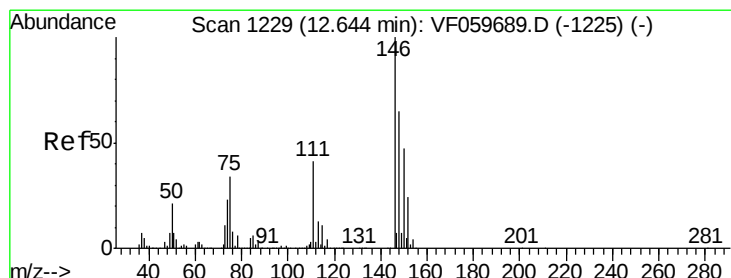
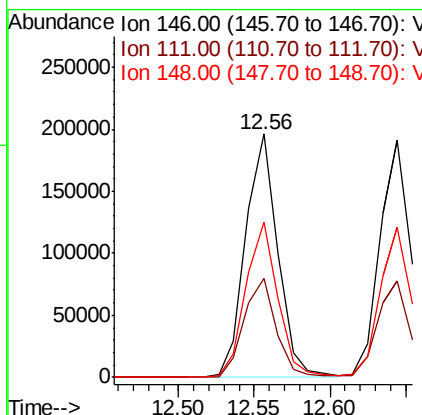
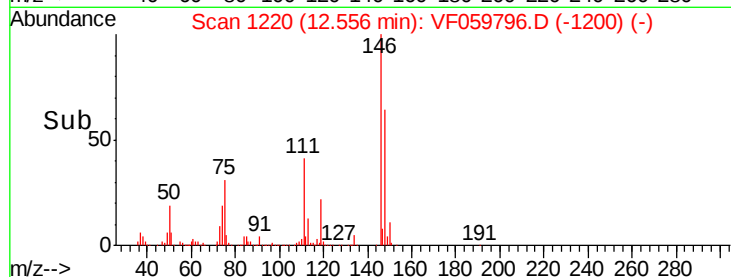
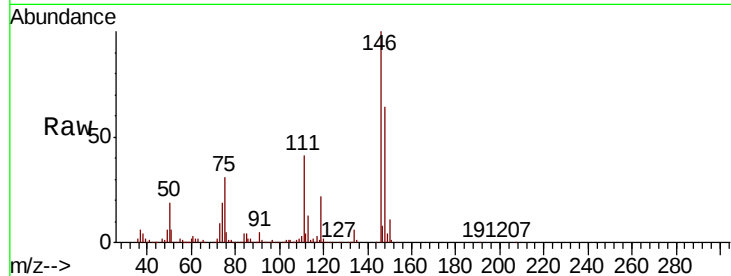
#87  
 1,3-Dichlorobenzene  
 Concen: 56.96 ug/l  
 RT: 12.56 min Scan# 1220  
 Delta R.T. 0.00 min  
 Lab File: VF059796.D  
 Acq: 2 Aug 2018 12:51

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 291907 |       |       |
| 111     | 40.8  | 20.7   | 62.1  |       |
| 148     | 63.8  | 32.3   | 96.8  |       |

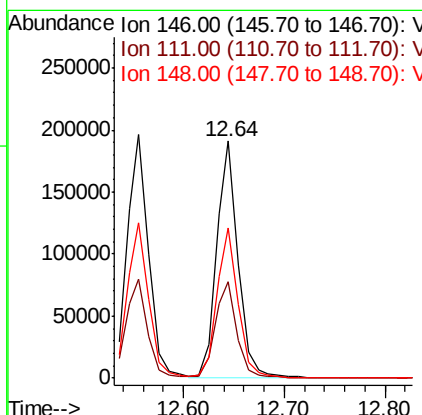
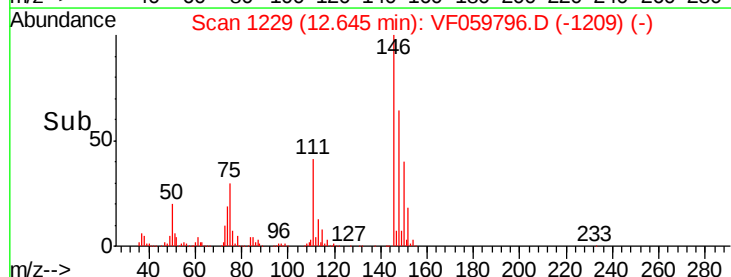
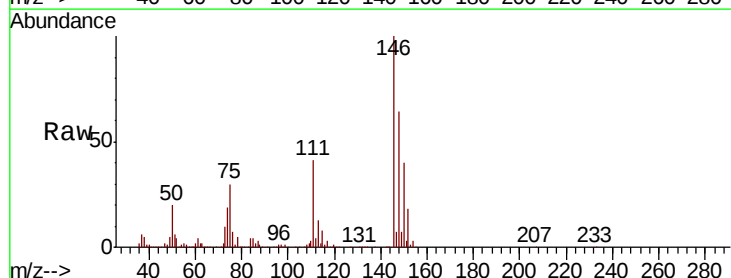
Manual Integrations  
 APPROVED

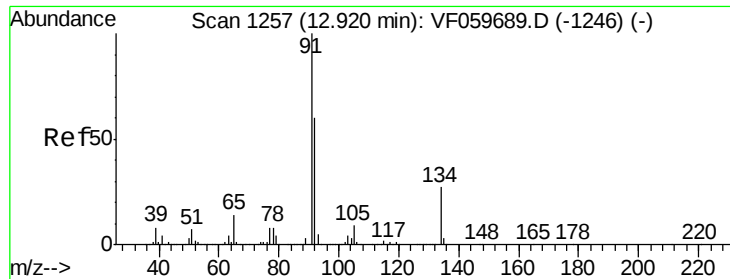
apatel  
 8/3/2018 2:38:56 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 54.23 ug/l  
 RT: 12.64 min Scan# 1229  
 Delta R.T. 0.00 min  
 Lab File: VF059796.D  
 Acq: 2 Aug 2018 12:51

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 282761 |       |       |
| 111     | 40.9  | 20.8   | 62.2  |       |
| 148     | 63.6  | 32.3   | 96.9  |       |





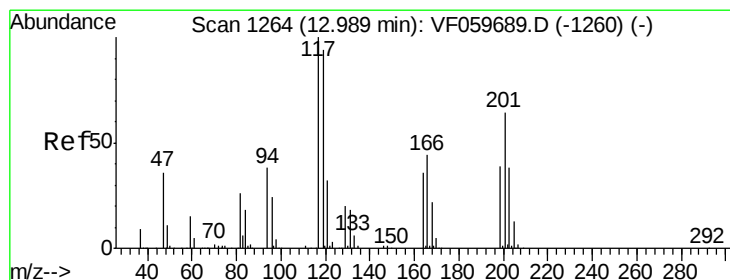
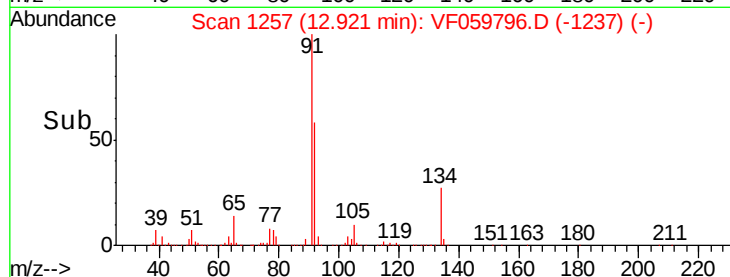
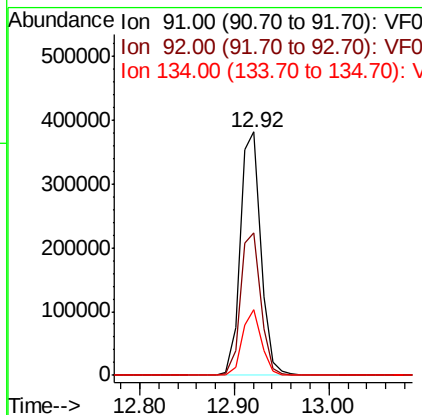
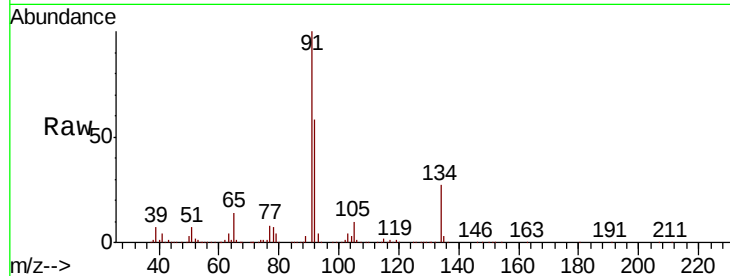
#89  
n-Butylbenzene  
Concen: 56.90 ug/l  
RT: 12.92 min Scan# 1257  
Delta R.T. 0.00 min  
Lab File: VF059796.D  
Acq: 2 Aug 2018 12:51

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 58.3  | 30.1  | 90.3  |
| 134     | 26.8  | 13.7  | 41.0  |

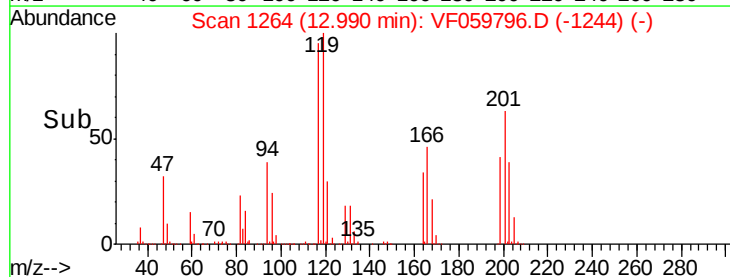
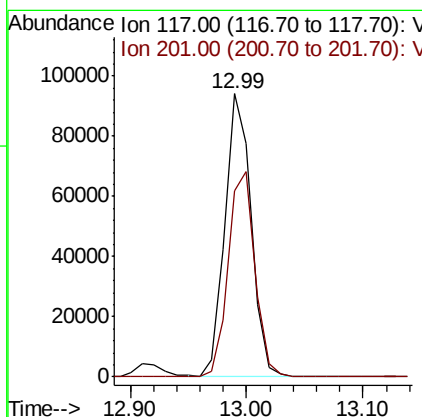
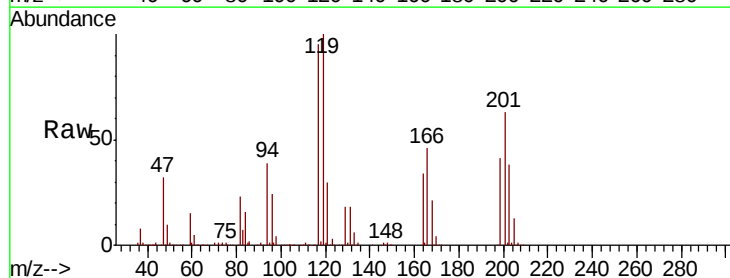
Manual Integrations  
APPROVED

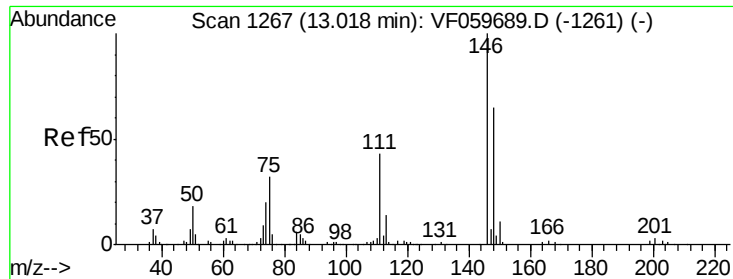
apatel  
8/3/2018 2:38:56 PM



#90  
Hexachloroethane  
Concen: 48.00 ug/l  
RT: 12.99 min Scan# 1264  
Delta R.T. 0.00 min  
Lab File: VF059796.D  
Acq: 2 Aug 2018 12:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 65.5  | 31.9  | 95.5  |





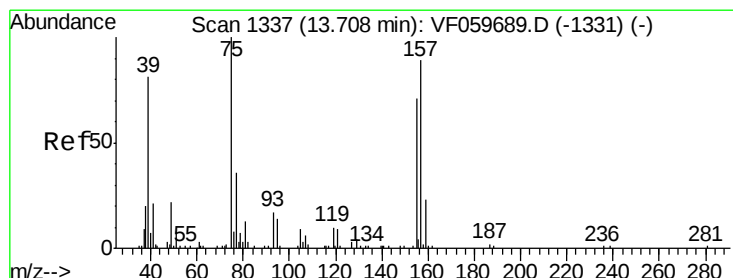
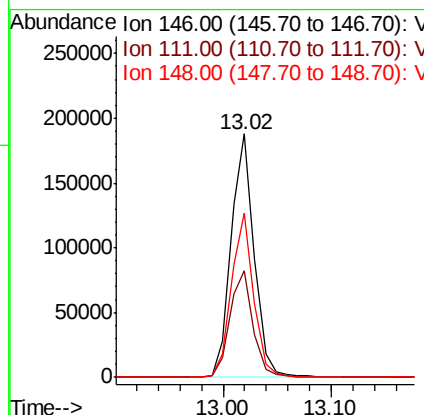
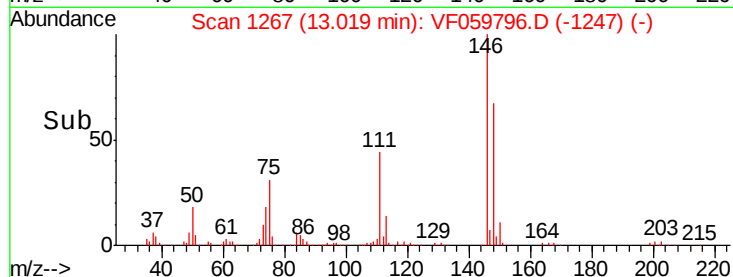
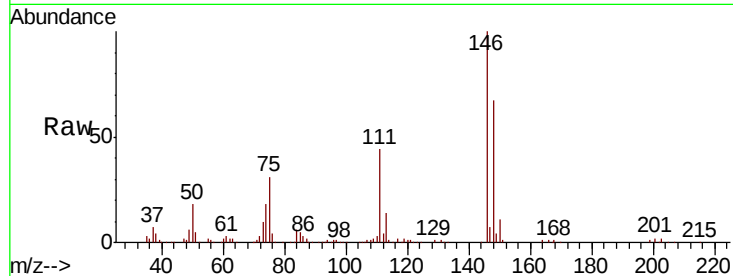
#91  
 1,2-Dichlorobenzene  
 Concen: 55.35 ug/l  
 RT: 13.02 min Scan# 1267  
 Delta R.T. 0.00 min  
 Lab File: VF059796.D  
 Acq: 2 Aug 2018 12:51

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 278201 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 43.9  | 21.6  | 65.0   |
| 148       | 67.3  | 32.3  | 96.9   |

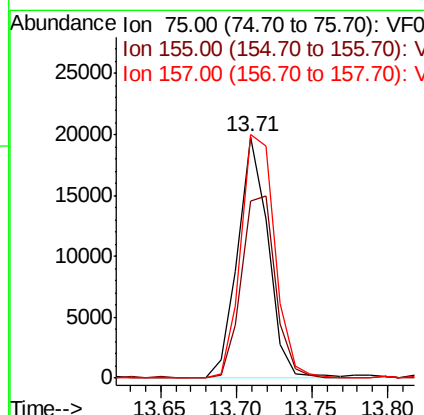
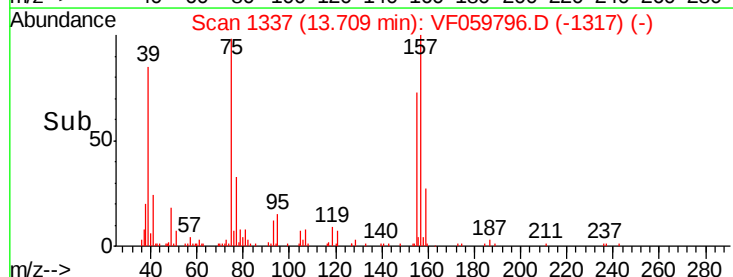
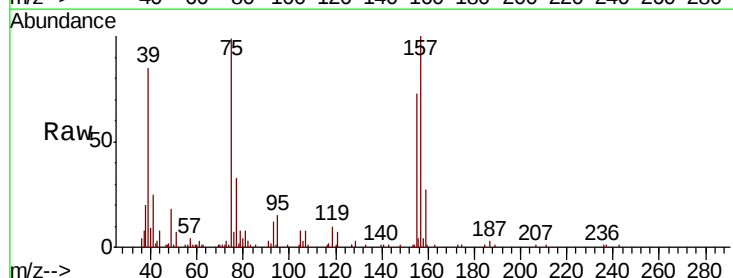
Manual Integrations  
 APPROVED

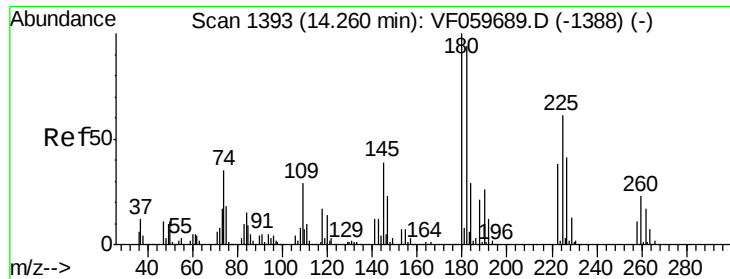
apatel  
 8/3/2018 2:38:56 PM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 49.50 ug/l  
 RT: 13.71 min Scan# 1337  
 Delta R.T. 0.00 min  
 Lab File: VF059796.D  
 Acq: 2 Aug 2018 12:51

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 27679 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 73.4  | 35.4  | 106.2 |
| 157       | 100.8 | 44.4  | 133.2 |





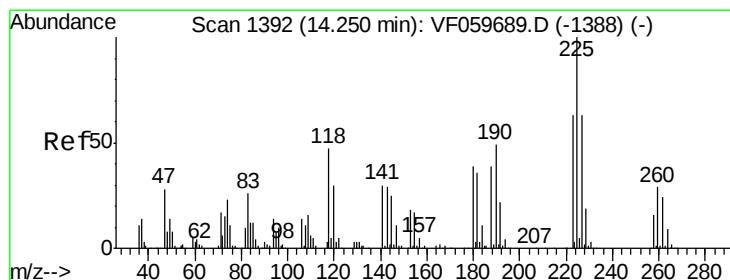
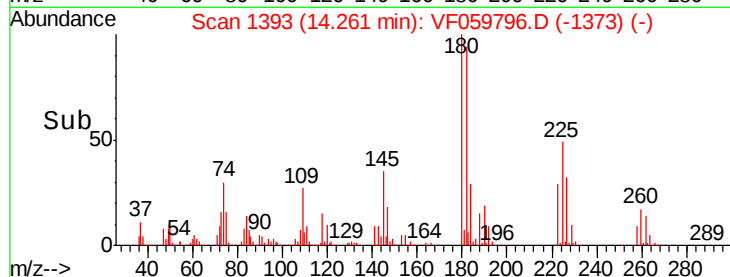
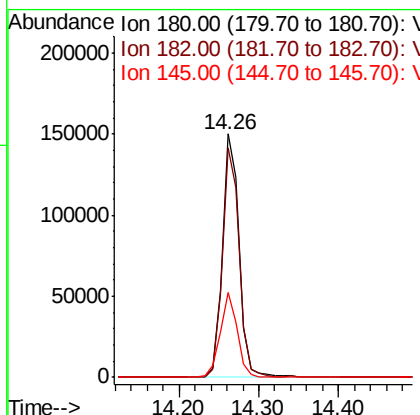
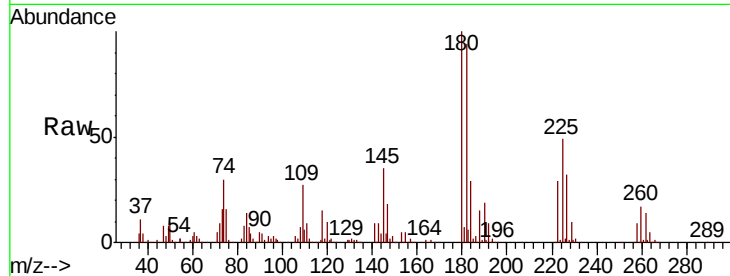
#93  
 1,2,4-Trichlorobenzene  
 Concen: 55.79 ug/l  
 RT: 14.26 min Scan# 1393  
 Delta R.T. 0.00 min  
 Lab File: VF059796.D  
 Acq: 2 Aug 2018 12:51

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 222819 |       |       |
| 182     | 94.4  | 47.2   | 141.6 |       |
| 145     | 34.6  | 19.3   | 57.9  |       |

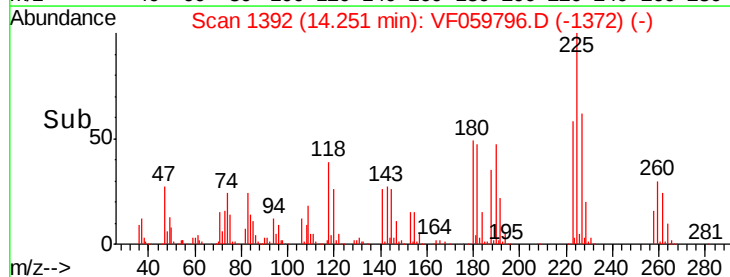
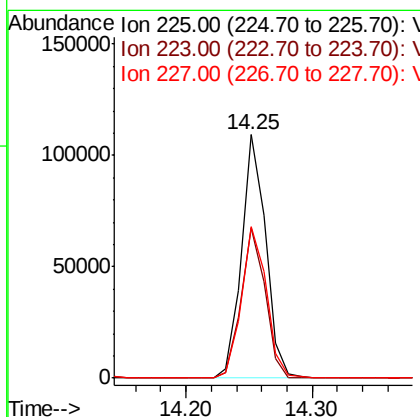
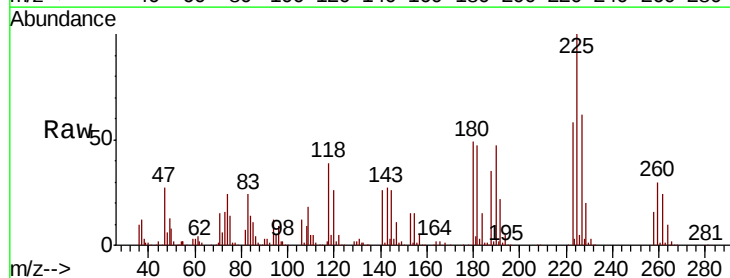
Manual Integrations  
 APPROVED

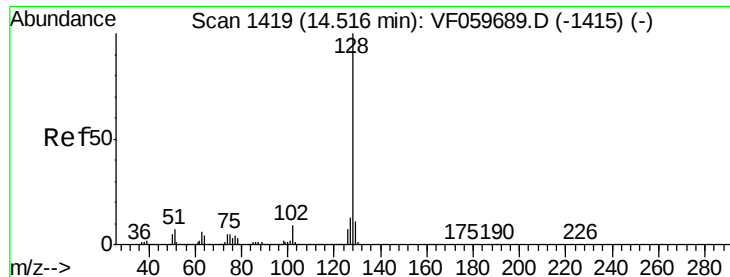
apatel  
 8/3/2018 2:38:56 PM



#94  
 Hexachlorobutadiene  
 Concen: 47.81 ug/l  
 RT: 14.25 min Scan# 1392  
 Delta R.T. 0.00 min  
 Lab File: VF059796.D  
 Acq: 2 Aug 2018 12:51

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 145223 |       |       |
| 223     | 61.5  | 31.4   | 94.2  |       |
| 227     | 62.1  | 31.5   | 94.5  |       |





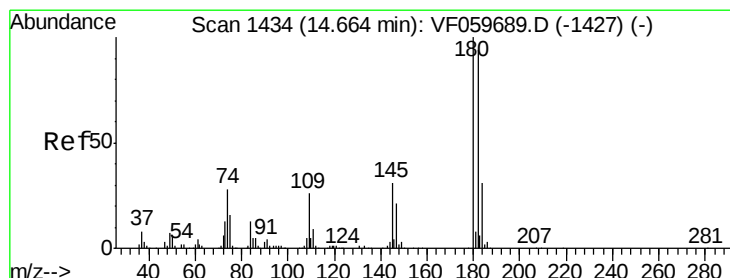
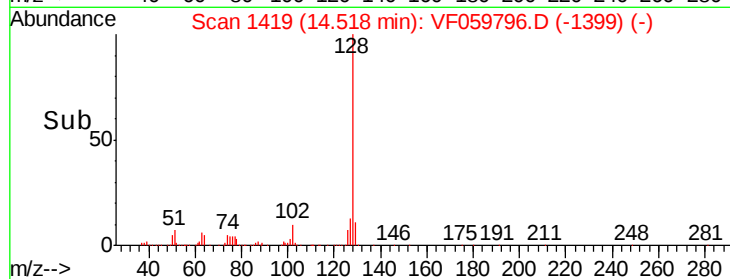
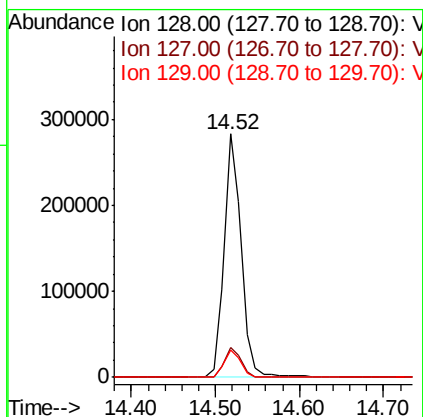
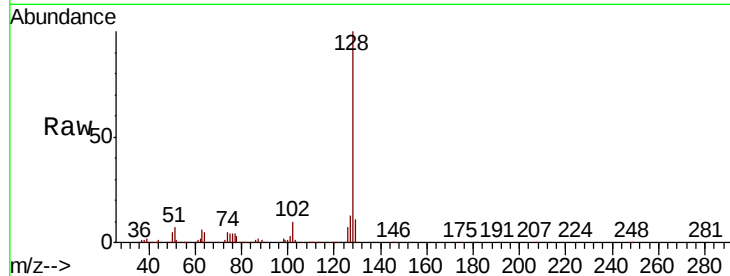
#95  
Naphthalene  
Concen: 49.99 ug/l  
RT: 14.52 min Scan# 1419  
Delta R.T. 0.00 min  
Lab File: VF059796.D  
Acq: 2 Aug 2018 12:51

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 399156 |       |       |
| 127     | 12.5  | 10.0   | 15.0  |       |
| 129     | 11.5  | 8.6    | 13.0  |       |

Manual Integrations  
APPROVED

apatel  
8/3/2018 2:38:56 PM



#96  
1,2,3-Trichlorobenzene  
Concen: 49.52 ug/l  
RT: 14.67 min Scan# 1434  
Delta R.T. 0.00 min  
Lab File: VF059796.D  
Acq: 2 Aug 2018 12:51

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 218523 |       |       |
| 182     | 96.0  | 47.2   | 141.6 |       |
| 145     | 32.7  | 15.6   | 46.7  |       |

