

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102218\  
 Data File : VW006267.D  
 Acq On : 22 Oct 2018 23:45  
 Operator : VA/AP  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

sam  
 10/24/2018 5:33:19 PM

Quant Time: Oct 23 05:49:17 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W101518S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 18 17:01:24 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 244809   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 353139   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 327448   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 184875   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 8.31   | 65  | 97859    | 48.22 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.44% |      |
| 35) Dibromofluoromethane  | 7.89   | 113 | 102140   | 48.95 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.90% |      |
| 50) Toluene-d8            | 10.33  | 98  | 382764   | 48.21 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.42% |      |
| 62) 4-Bromofluorobenzene  | 12.62  | 95  | 146889   | 49.26 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.52% |      |

## Target Compounds

|                               |      |     |        |         |      | Qvalue |
|-------------------------------|------|-----|--------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 2.01 | 85  | 60766  | 50.160  | ug/l | 98     |
| 3) Chloromethane              | 2.21 | 50  | 73991  | 47.448  | ug/l | 99     |
| 4) Vinyl Chloride             | 2.37 | 62  | 115618 | 51.916  | ug/l | 99     |
| 5) Bromomethane               | 2.79 | 94  | 103051 | 50.876  | ug/l | 99     |
| 6) Chloroethane               | 2.93 | 64  | 83119  | 52.081  | ug/l | 99     |
| 7) Trichlorofluoromethane     | 3.26 | 101 | 101902 | 49.119  | ug/l | 99     |
| 8) Diethyl Ether              | 3.68 | 74  | 61151  | 55.462  | ug/l | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.06 | 101 | 115698 | 53.215  | ug/l | 99     |
| 10) Methyl Iodide             | 4.27 | 142 | 198040 | 54.727  | ug/l | 100    |
| 11) Tert butyl alcohol        | 5.22 | 59  | 33666  | 246.638 | ug/l | 98     |
| 12) 1,1-Dichloroethene        | 4.04 | 96  | 109346 | 53.458  | ug/l | 93     |
| 13) Acrolein                  | 3.90 | 56  | 28602  | 216.548 | ug/l | 97     |
| 14) Allyl chloride            | 4.67 | 41  | 152072 | 51.996  | ug/l | 99     |
| 15) Acrylonitrile             | 5.37 | 53  | 107189 | 271.045 | ug/l | 99     |
| 16) Acetone                   | 4.14 | 43  | 96511  | 253.683 | ug/l | 98     |
| 17) Carbon Disulfide          | 4.38 | 76  | 304823 | 49.378  | ug/l | 99     |
| 18) Methyl Acetate            | 4.68 | 43  | 56853  | 55.663  | ug/l | 97     |
| 19) Methyl tert-butyl Ether   | 5.43 | 73  | 169030 | 54.256  | ug/l | 98     |
| 20) Methylene Chloride        | 4.91 | 84  | 119861 | 56.009  | ug/l | 96     |
| 21) trans-1,2-Dichloroethene  | 5.42 | 96  | 124792 | 54.658  | ug/l | 99     |
| 22) Diisopropyl ether         | 6.32 | 45  | 316035 | 54.681  | ug/l | 97     |
| 23) Vinyl Acetate             | 6.26 | 43  | 876144 | 256.869 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 6.21 | 63  | 208776 | 55.982  | ug/l | 99     |
| 25) 2-Butanone                | 7.18 | 43  | 138867 | 253.271 | ug/l | 100    |
| 26) 2,2-Dichloropropane       | 7.17 | 77  | 130189 | 49.496  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 7.17 | 96  | 141604 | 56.203  | ug/l | 98     |
| 28) Bromochloromethane        | 7.51 | 49  | 80598  | 55.980  | ug/l | 94     |
| 29) Tetrahydrofuran           | 7.54 | 42  | 87867  | 260.714 | ug/l | 98     |
| 30) Chloroform                | 7.68 | 83  | 227789 | 56.062  | ug/l | 98     |
| 31) Cyclohexane               | 7.96 | 56  | 180851 | 48.696  | ug/l | 98     |
| 32) 1,1,1-Trichloroethane     | 7.87 | 97  | 196737 | 53.677  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 8.09 | 75  | 175942 | 54.054  | ug/l | 100    |
| 37) Ethyl Acetate             | 7.26 | 43  | 61944  | 51.221  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 8.07 | 117 | 186668 | 52.314  | ug/l | 98     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102218\  
 Data File : VW006267.D  
 Acq On : 22 Oct 2018 23:45  
 Operator : VA/AP  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

sam  
 10/24/2018 5:33:19 PM

Quant Time: Oct 23 05:49:17 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W101518S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 18 17:01:24 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 9.34  | 83   | 223323   | 51.615   | ug/l   | 98       |
| 40) Benzene                    | 8.33  | 78   | 494987   | 55.438   | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.49  | 41   | 35941    | 49.299   | ug/l   | 91       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 145936   | 55.633   | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.43  | 43   | 125078   | 50.584   | ug/l   | 98       |
| 44) Trichloroethene            | 9.09  | 130  | 151111   | 55.165   | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 117432   | 54.963   | ug/l   | 98       |
| 46) Dibromomethane             | 9.46  | 93   | 66723    | 54.793   | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.65  | 83   | 159845   | 54.142   | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.44  | 41   | 61522    | 52.490   | ug/l   | 97       |
| 49) 1,4-Dioxane                | 9.48  | 88   | 21186    | 1130.128 | ug/l # | 98       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 320909   | 259.027  | ug/l   | 98       |
| 52) Toluene                    | 10.39 | 92   | 327910   | 54.780   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.61 | 75   | 154899   | 52.660   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 10.08 | 75   | 180905   | 53.587   | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 94326    | 55.353   | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 110924   | 53.097   | ug/l   | 96       |
| 57) 1,3-Dichloropropane        | 10.94 | 76   | 154586   | 54.800   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.93  | 63   | 208977   | 261.793  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.98 | 43   | 217970   | 246.469  | ug/l   | 97       |
| 60) Dibromochloromethane       | 11.13 | 129  | 113747   | 53.589   | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.24 | 107  | 93811    | 55.096   | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.87 | 164  | 140223   | 55.163   | ug/l   | 98       |
| 65) Chlorobenzene              | 11.66 | 112  | 385287   | 54.965   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.74 | 131  | 136600   | 54.835   | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.74 | 91   | 658584   | 54.213   | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.85 | 106  | 521477   | 108.606  | ug/l   | 99       |
| 69) o-Xylene                   | 12.17 | 106  | 251524   | 54.966   | ug/l   | 98       |
| 70) Styrene                    | 12.19 | 104  | 408724   | 54.927   | ug/l   | 100      |
| 71) Bromoform                  | 12.35 | 173  | 71785    | 51.664   | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.47 | 105  | 701648   | 53.721   | ug/l   | 100      |
| 74) N-amyl acetate             | 12.28 | 43   | 124282   | 48.992   | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.72 | 83   | 108188   | 54.462   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 68581m   | 48.567   | ug/l   |          |
| 77) Bromobenzene               | 12.75 | 156  | 173149   | 54.125   | ug/l   | 99       |
| 78) n-propylbenzene            | 12.81 | 91   | 815090   | 53.641   | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.90 | 91   | 464078   | 54.357   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.95 | 105  | 591439   | 53.715   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.52 | 75   | 28675    | 48.542   | ug/l   | 100      |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 483433   | 54.055   | ug/l   | 99       |
| 83) tert-Butylbenzene          | 13.21 | 119  | 531575   | 53.961   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.26 | 105  | 602987   | 54.120   | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.39 | 105  | 747095   | 53.682   | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.51 | 119  | 683349   | 54.286   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.51 | 146  | 349033   | 54.822   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 343933   | 54.257   | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.83 | 91   | 615192   | 53.438   | ug/l   | 99       |
| 90) Hexachloroethane           | 14.10 | 117  | 111957   | 52.507   | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.88 | 146  | 307698   | 54.182   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.49 | 75   | 17079    | 48.020   | ug/l   | 93       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102218\  
Data File : VW006267.D  
Acq On : 22 Oct 2018 23:45  
Operator : VA/AP  
Sample : VSTDCCC050  
Misc : 5.00G/5ML/MSVOA W/SOIL  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

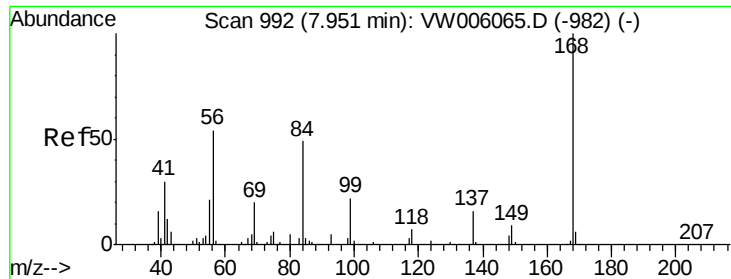
sam  
10/24/2018 5:33:19 PM

Quant Time: Oct 23 05:49:17 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W101518S.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 18 17:01:24 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.14 | 180  | 233569   | 53.452 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 15.24 | 225  | 146578   | 53.399 | ug/l  | 99       |
| 95) Naphthalene            | 15.38 | 128  | 386662   | 53.194 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.57 | 180  | 204072   | 53.994 | ug/l  | 99       |

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





#1

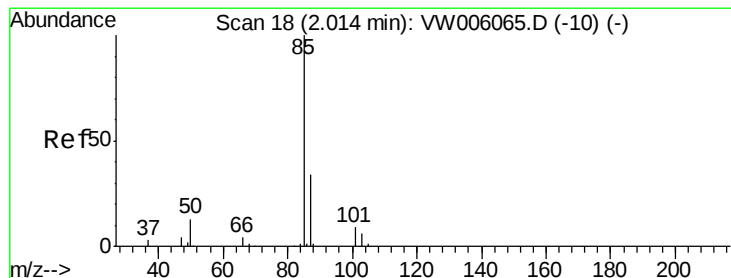
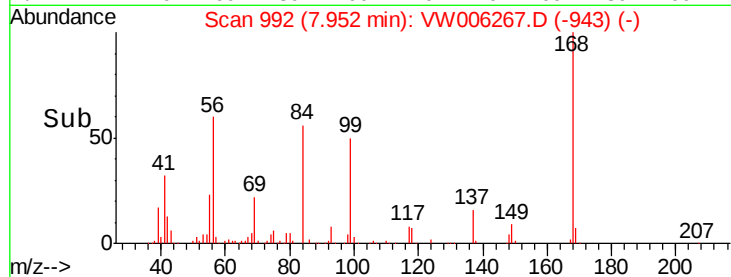
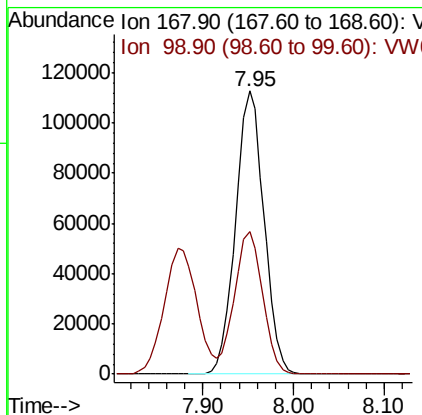
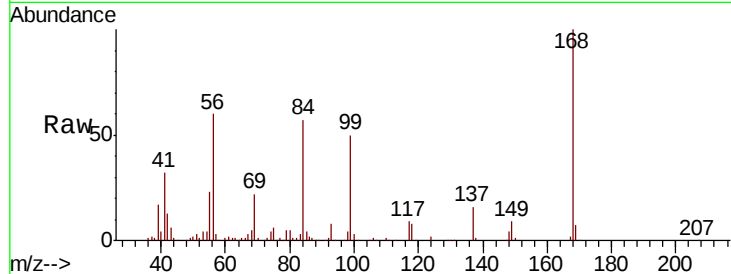
Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 7.95 min Scan# 992  
 Delta R.T. 0.00 min  
 Lab File: VW006267.D  
 Acq: 22 Oct 2018 23:45

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 99      | 50.4  | 39.9  | 59.9  |

Manual Integrations  
 APPROVED

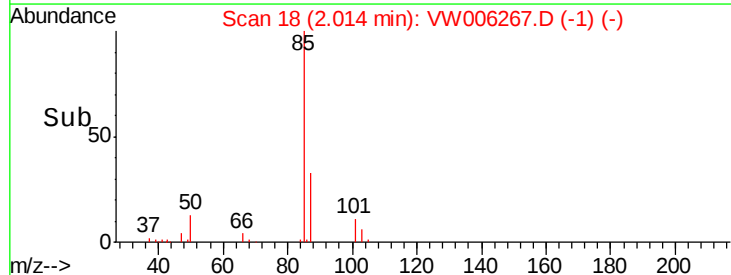
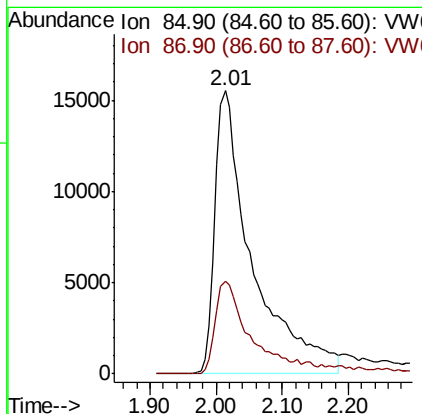
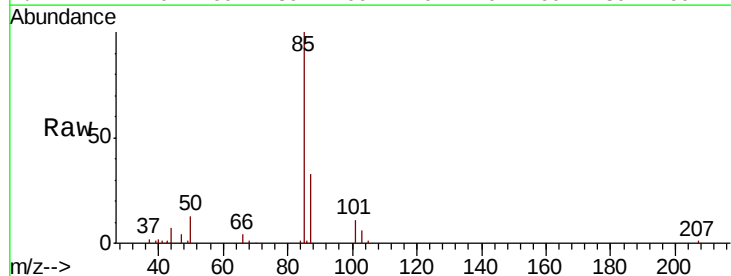
sam  
 10/24/2018 5:33:19 PM

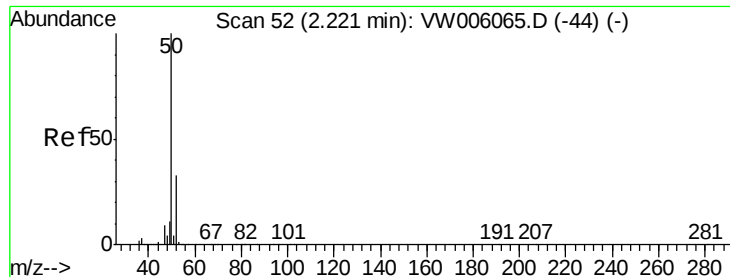


#2

Dichlorodifluoromethane  
 Concen: 50.160 ug/l  
 RT: 2.01 min Scan# 18  
 Delta R.T. 0.00 min  
 Lab File: VW006267.D  
 Acq: 22 Oct 2018 23:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 85      | 100   |       |       |
| 87      | 32.7  | 16.9  | 50.6  |





#3

Chloromethane

Concen: 47.448 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 73991

Ion Ratio Lower Upper

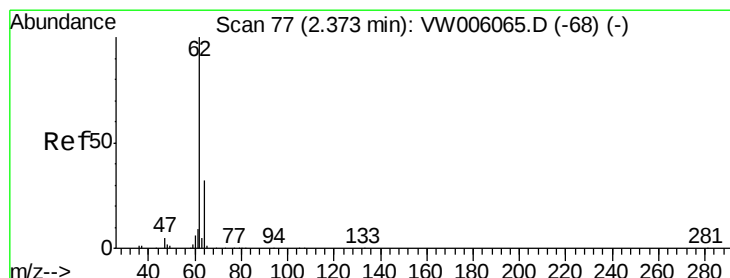
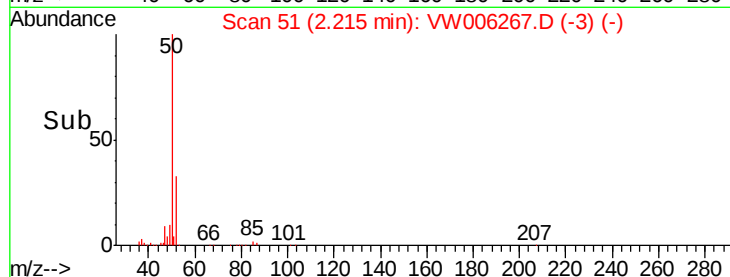
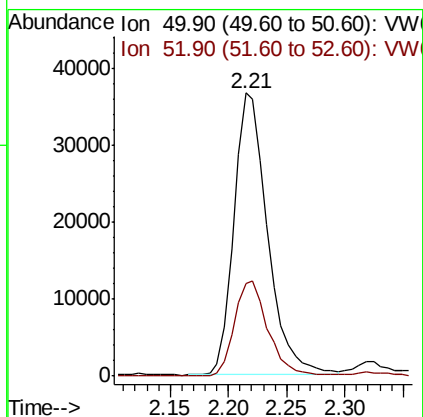
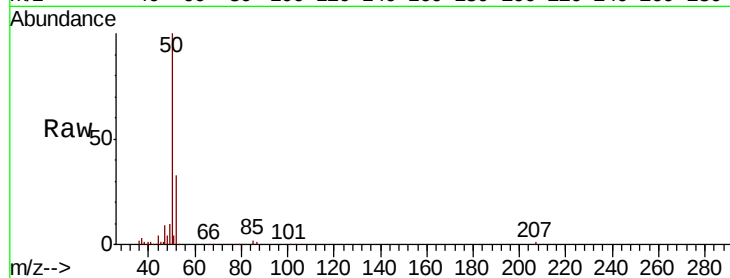
50 100

52 32.7 26.8 40.2

Manual Integrations  
APPROVED

sam

10/24/2018 5:33:19 PM



#4

Vinyl Chloride

Concen: 51.916 ug/l

RT: 2.37 min Scan# 77

Delta R.T. 0.00 min

Lab File: VW006267.D

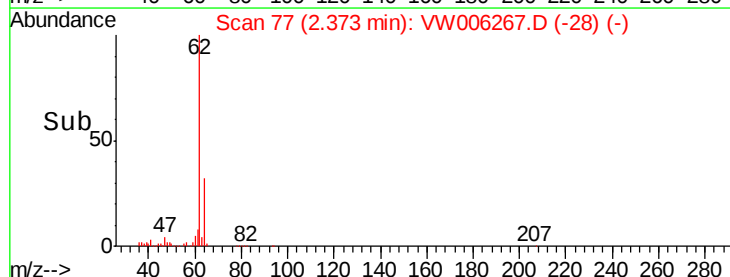
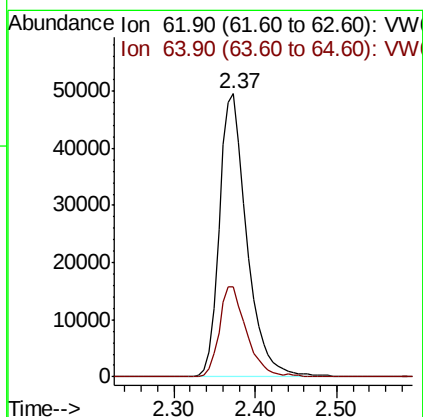
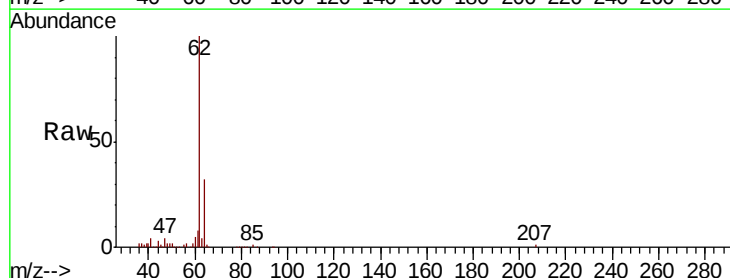
Acq: 22 Oct 2018 23:45

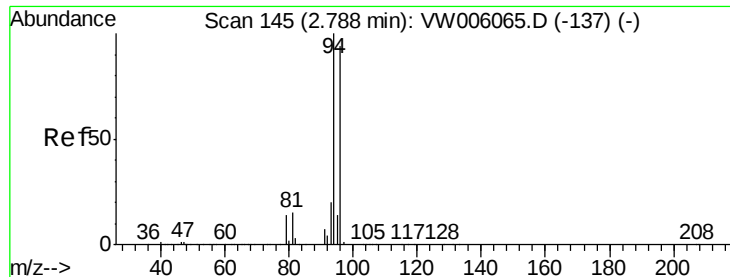
Tgt Ion: 62 Resp: 115618

Ion Ratio Lower Upper

62 100

64 31.6 25.9 38.9





#5

Bromomethane

Concen: 50.876 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 103051

Ion Ratio Lower Upper

94 100

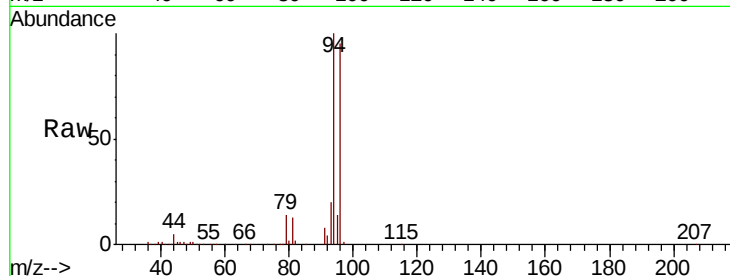
96 94.6 74.9 112.3

Manual Integrations

APPROVED

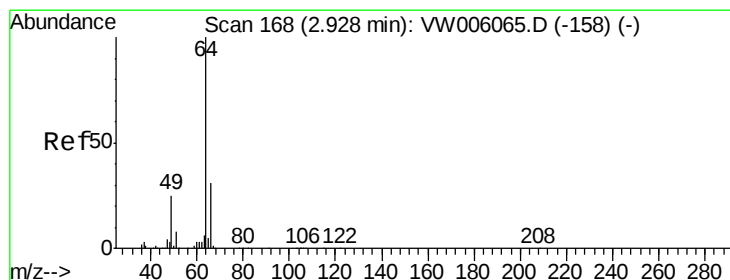
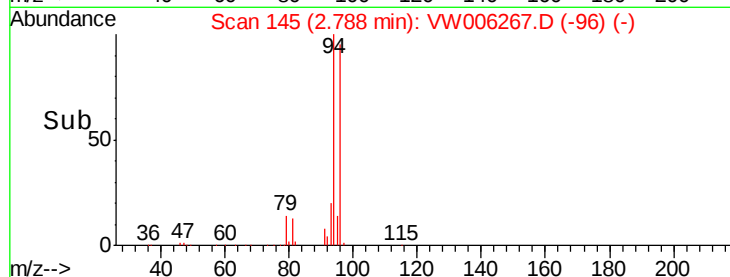
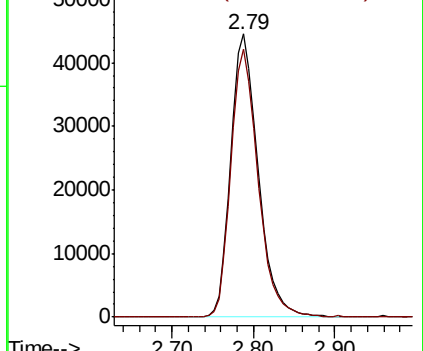
sam

10/24/2018 5:33:19 PM



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 52.081 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW006267.D

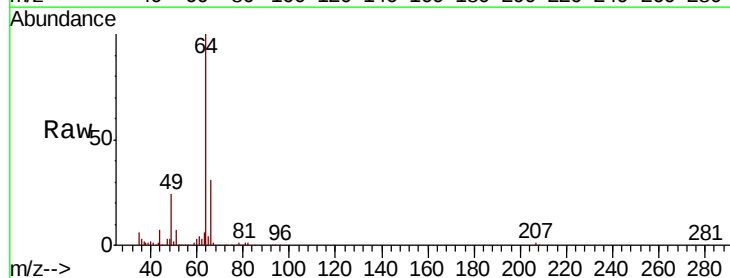
Acq: 22 Oct 2018 23:45

Tgt Ion: 64 Resp: 83119

Ion Ratio Lower Upper

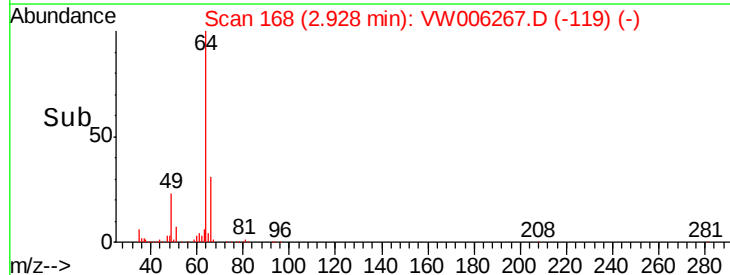
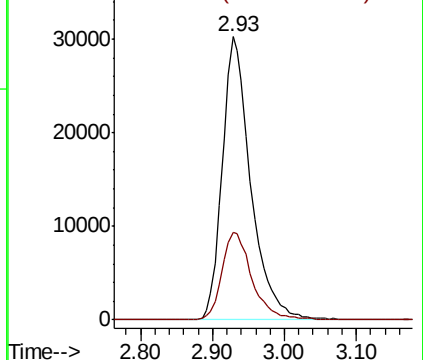
64 100

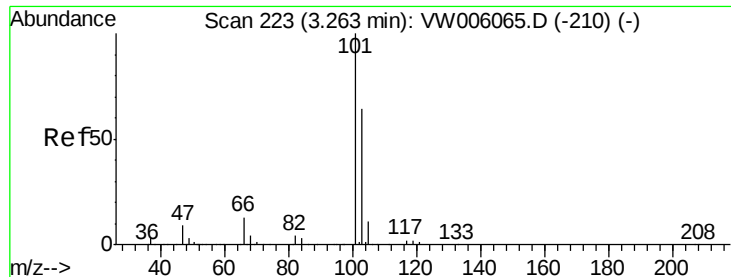
66 30.7 24.9 37.3



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

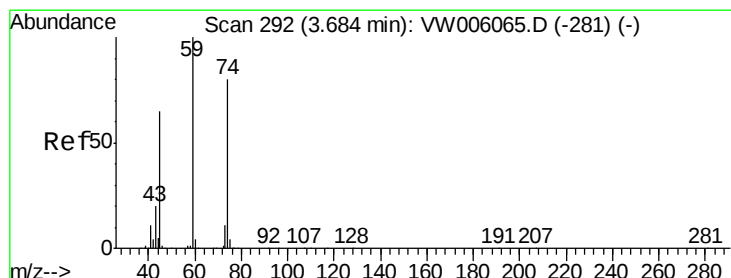
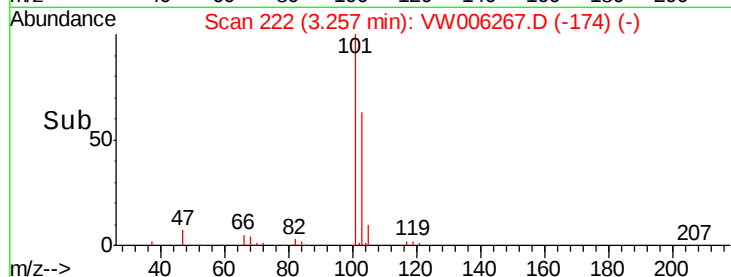
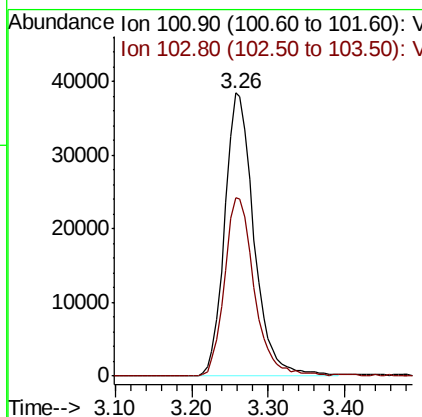
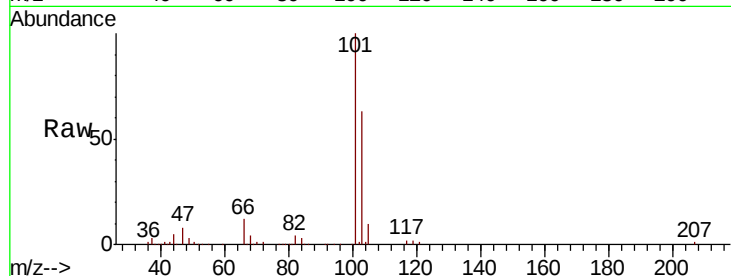
Trichlorofluoromethane  
 Concen: 49.119 ug/l  
 RT: 3.26 min Scan# 222  
 Delta R.T. -0.01 min  
 Lab File: VW006267.D  
 Acq: 22 Oct 2018 23:45

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 63.1  | 51.2  | 76.8  |

Manual Integrations  
 APPROVED

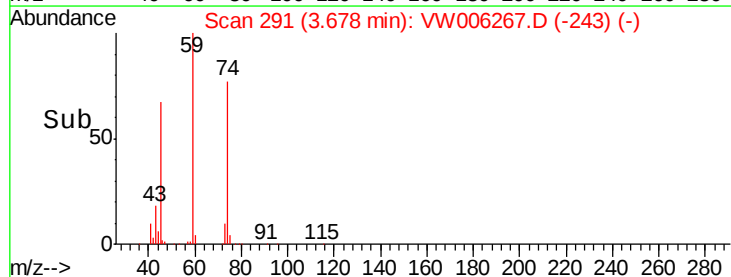
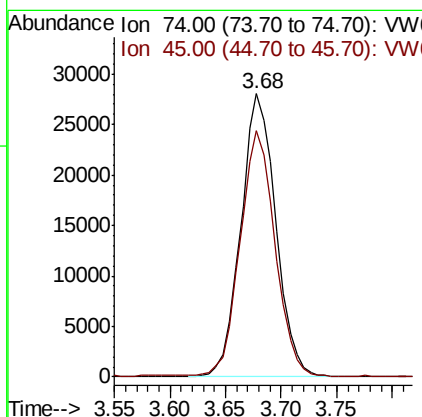
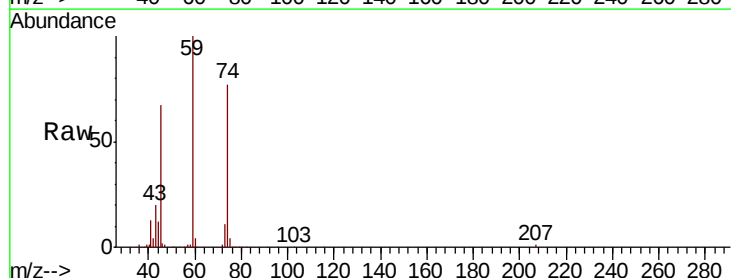
sam  
 10/24/2018 5:33:19 PM

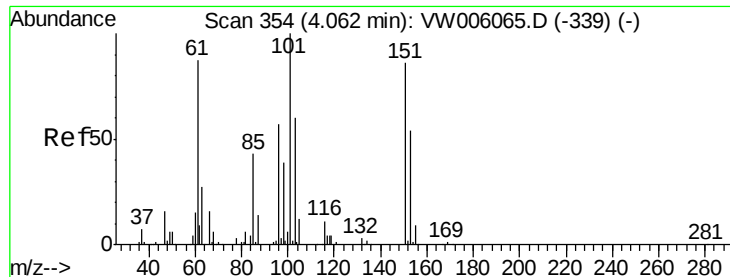


#8

Diethyl Ether  
 Concen: 55.462 ug/l  
 RT: 3.68 min Scan# 291  
 Delta R.T. -0.01 min  
 Lab File: VW006267.D  
 Acq: 22 Oct 2018 23:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 87.4  | 42.8  | 128.3 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.215 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

Instrument :

MSVOA\_W

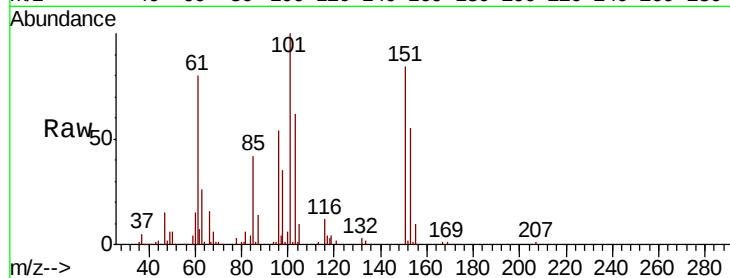
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 115698 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 43.4  | 34.9  | 52.3   |
| 151       | 86.1  | 70.4  | 105.6  |

Manual Integrations  
APPROVED

sam  
10/24/2018 5:33:19 PM

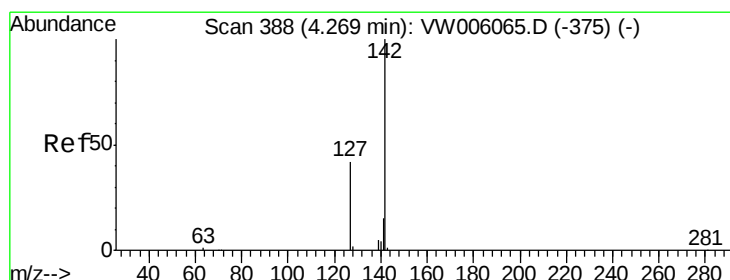
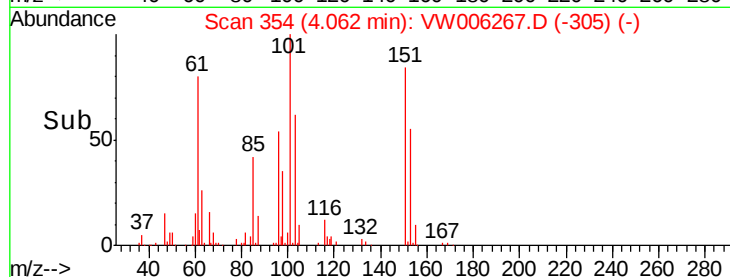
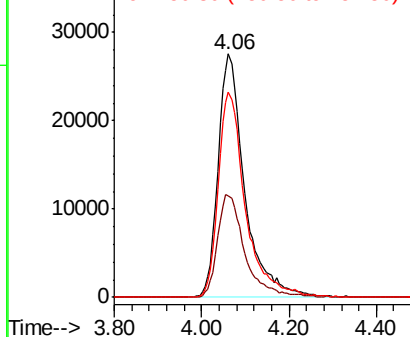


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 54.727 ug/l

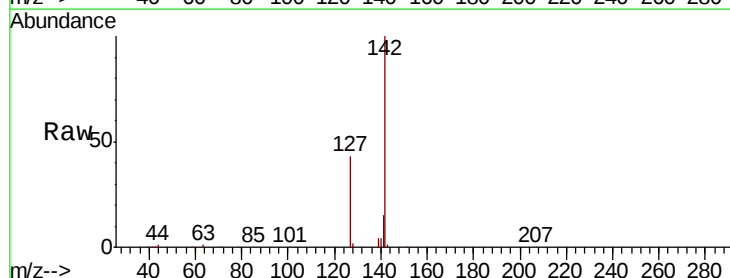
RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 198040 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 41.9  | 33.6  | 50.4   |
| 141       | 14.4  | 11.6  | 17.4   |

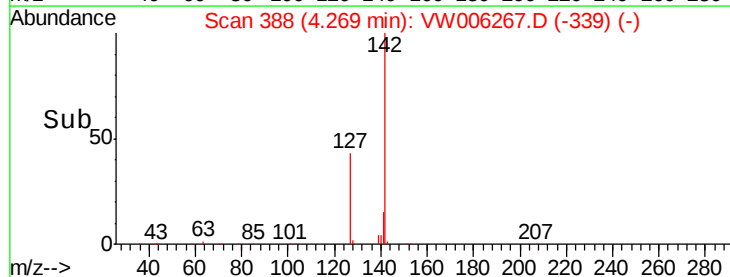
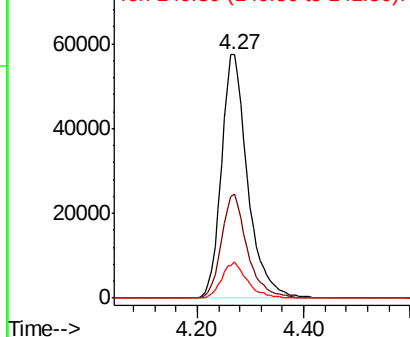


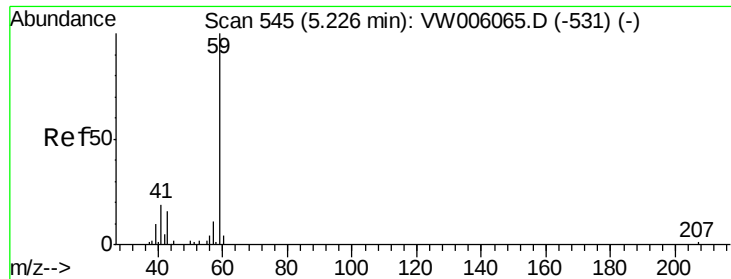
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

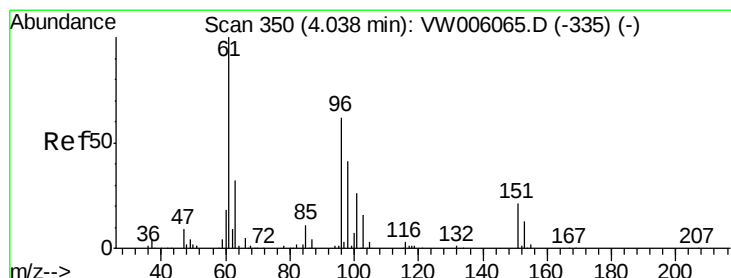
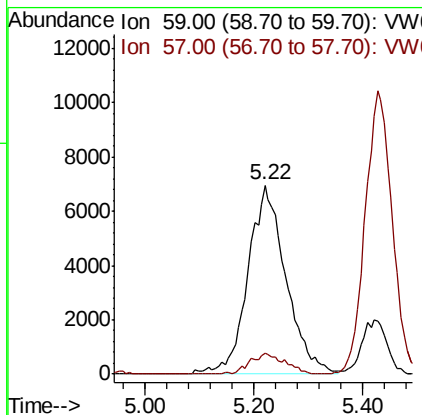
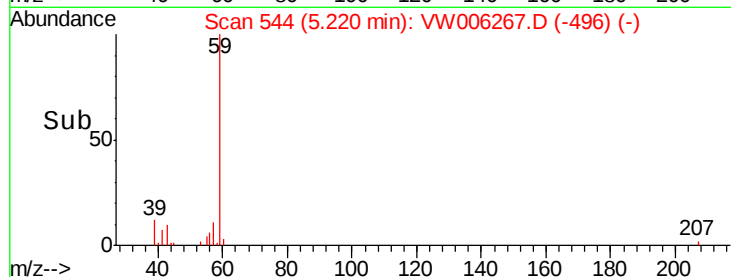
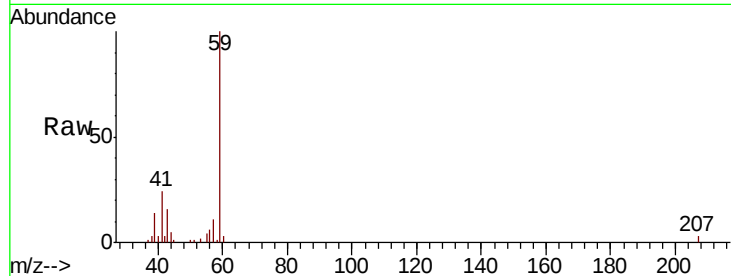
Tert butyl alcohol  
Concen: 246.638 ug/l  
RT: 5.22 min Scan# 544  
Delta R.T. -0.01 min  
Lab File: VW006267.D  
Acq: 22 Oct 2018 23:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

Tot Ion: 59 Resp: 33666  
Ion Ratio Lower Upper  
59 100  
57 10.2 8.7 13.1

Manual Integrations  
APPROVED

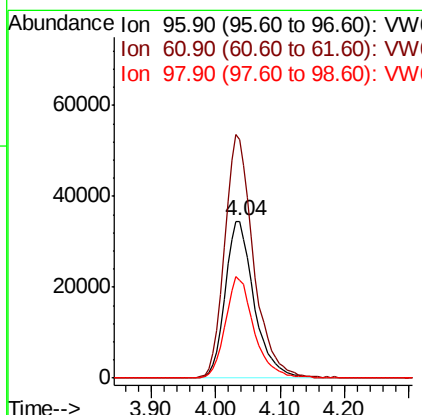
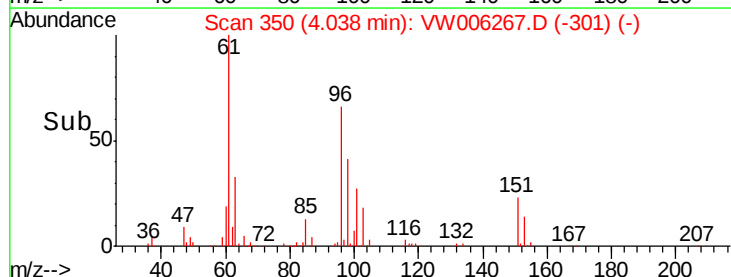
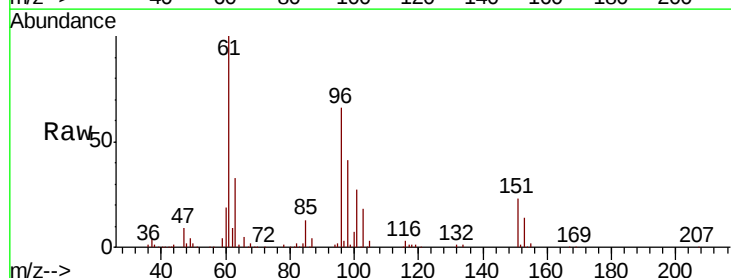
sam  
10/24/2018 5:33:19 PM

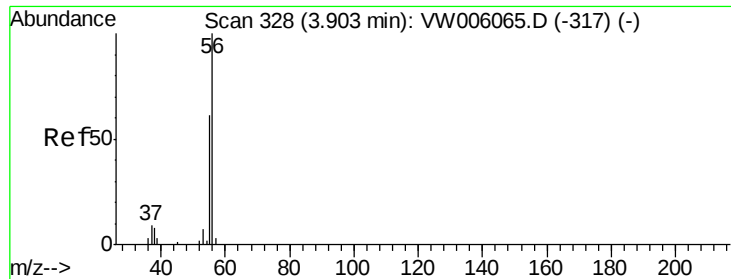


#12

1,1-Dichloroethene  
Concen: 53.458 ug/l  
RT: 4.04 min Scan# 350  
Delta R.T. 0.00 min  
Lab File: VW006267.D  
Acq: 22 Oct 2018 23:45

Tgt Ion: 96 Resp: 109346  
Ion Ratio Lower Upper  
96 100  
61 152.2 129.3 193.9  
98 61.9 53.1 79.7





#13

Acrolein

Concen: 216.548 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 28602

Ion Ratio Lower Upper

56 100

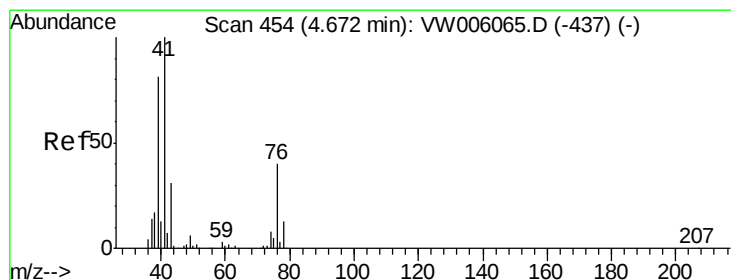
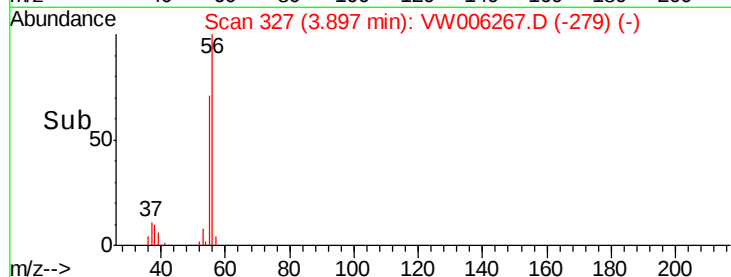
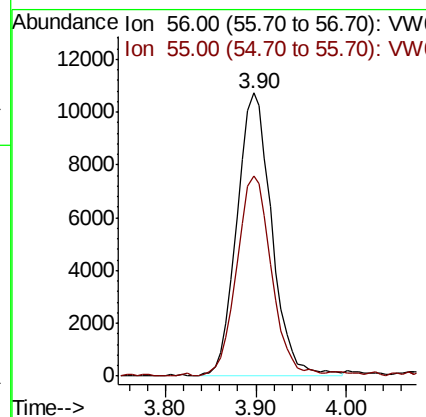
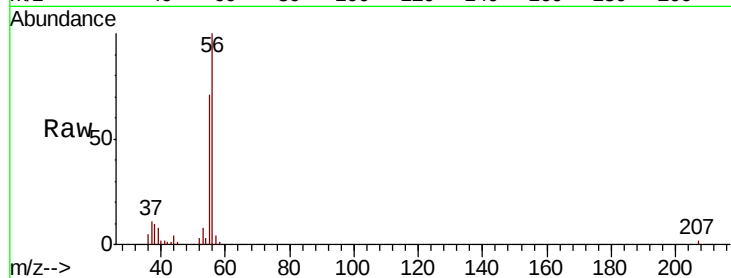
55 70.7 54.5 81.7

Manual Integrations

APPROVED

sam

10/24/2018 5:33:19 PM



#14

Allyl chloride

Concen: 51.996 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

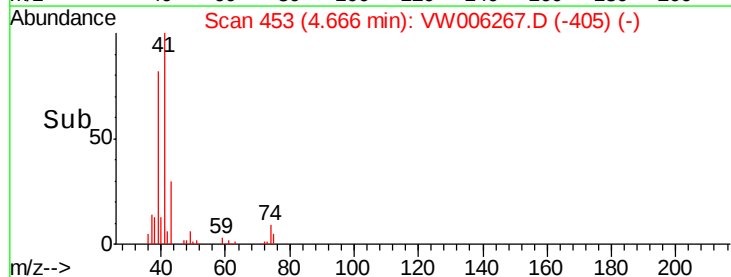
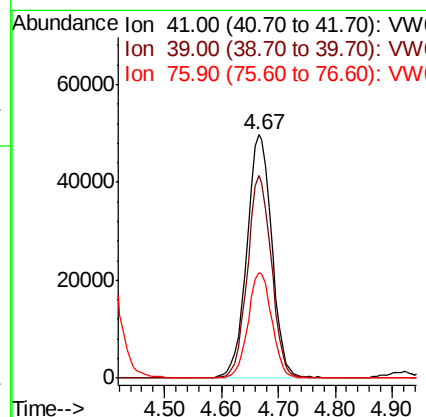
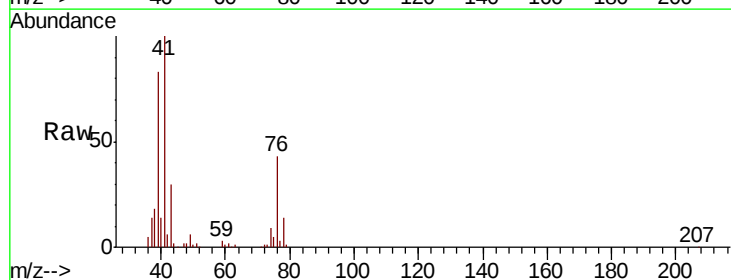
Tgt Ion: 41 Resp: 152072

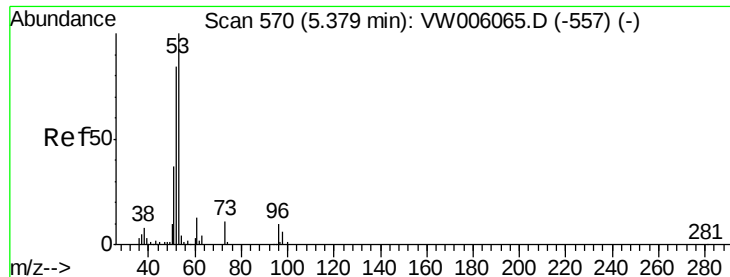
Ion Ratio Lower Upper

41 100

39 80.2 64.1 96.1

76 41.3 32.2 48.4





#15

Acrylonitrile

Concen: 271.045 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.01 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

Instrument :

MSVOA\_W

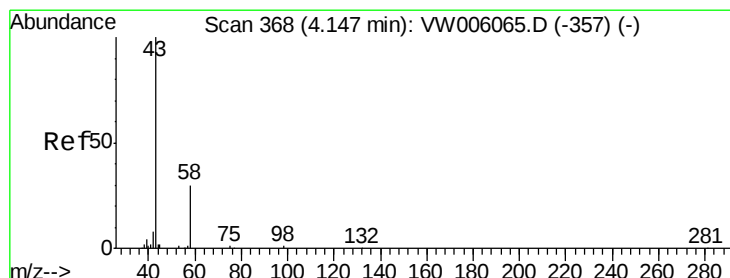
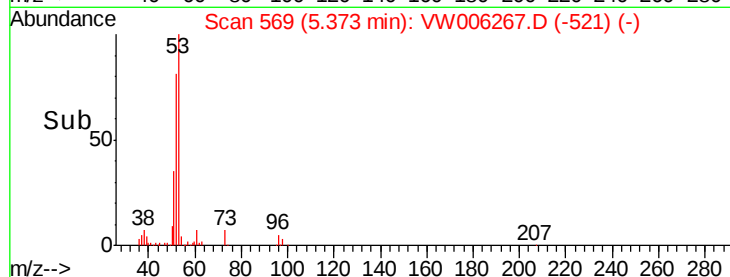
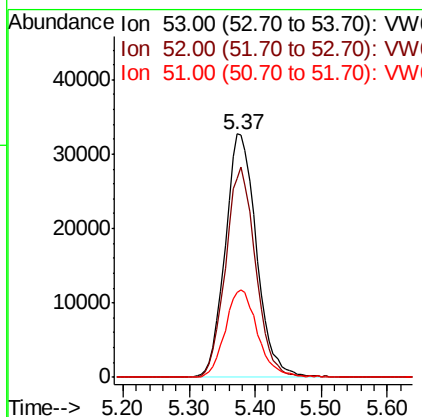
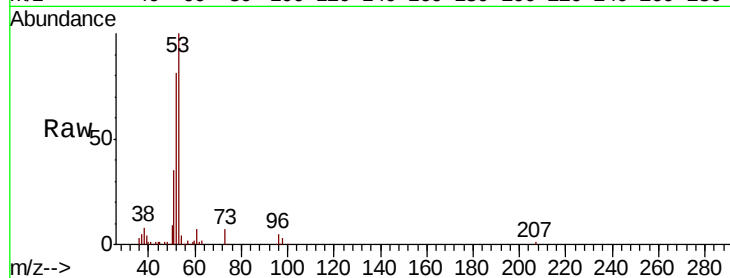
ClientSampleId :

VSTDCCC050

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 53   | Resp: | 107189 |
| Ion Ratio |      | Lower | Upper  |
| 53        | 100  |       |        |
| 52        | 83.0 | 66.9  | 100.3  |
| 51        | 37.3 | 30.1  | 45.1   |

Manual Integrations  
APPROVED

sam  
10/24/2018 5:33:19 PM



#16

Acetone

Concen: 253.683 ug/l

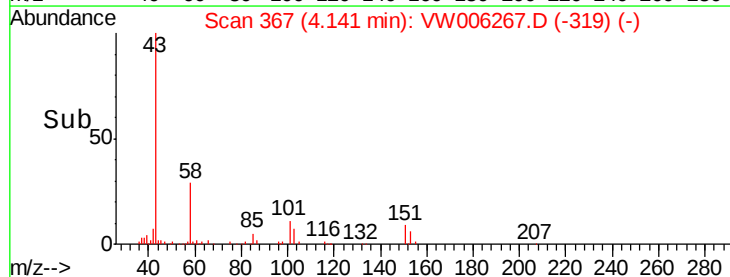
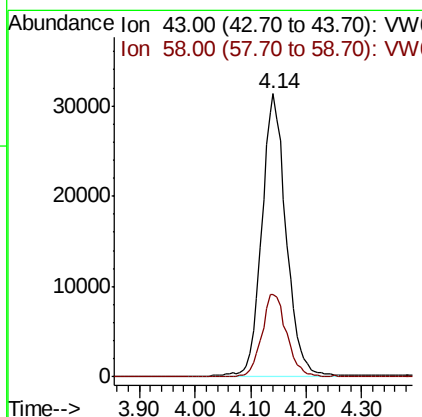
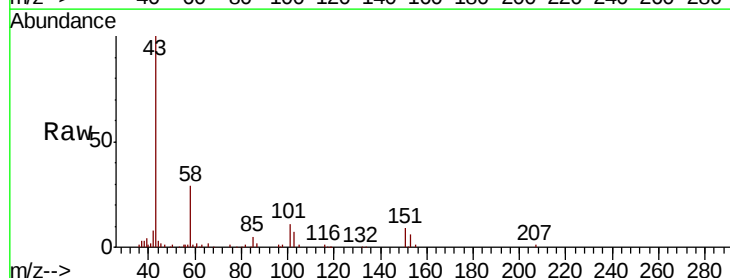
RT: 4.14 min Scan# 367

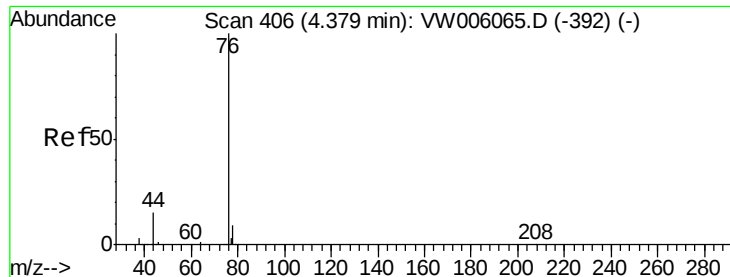
Delta R.T. -0.01 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

|           |      |       |       |
|-----------|------|-------|-------|
| Tgt Ion:  | 43   | Resp: | 96511 |
| Ion Ratio |      | Lower | Upper |
| 43        | 100  |       |       |
| 58        | 29.0 | 24.0  | 36.0  |





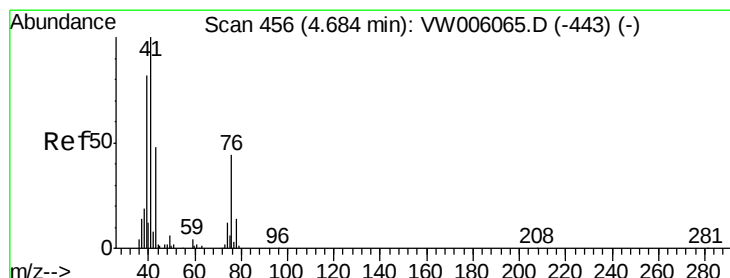
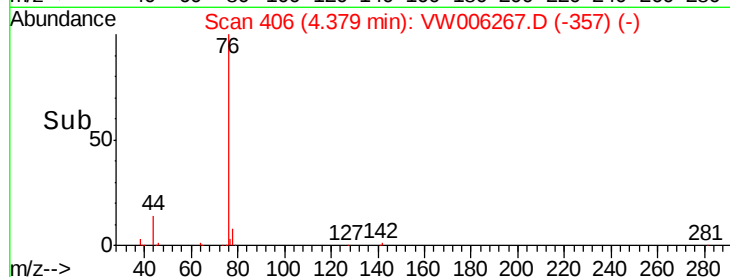
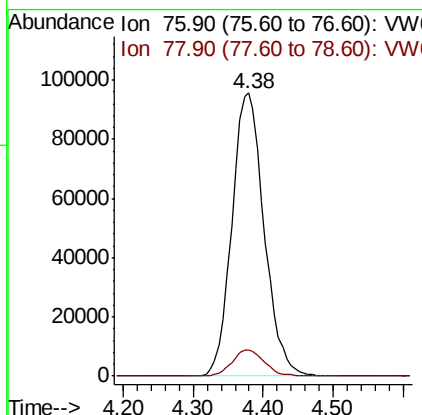
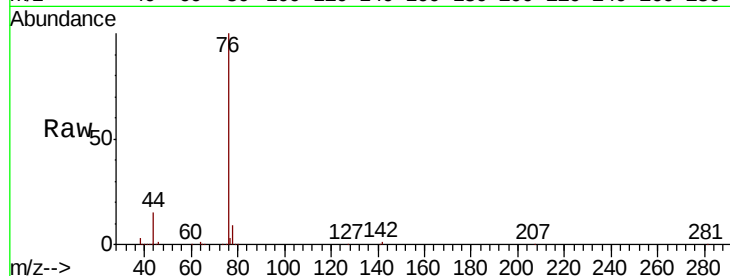
#17  
Carbon Disulfide  
Concen: 49.378 ug/l  
RT: 4.38 min Scan# 406  
Delta R.T. 0.00 min  
Lab File: VW006267.D  
Acq: 22 Oct 2018 23:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.0   | 7.5   | 11.3  |

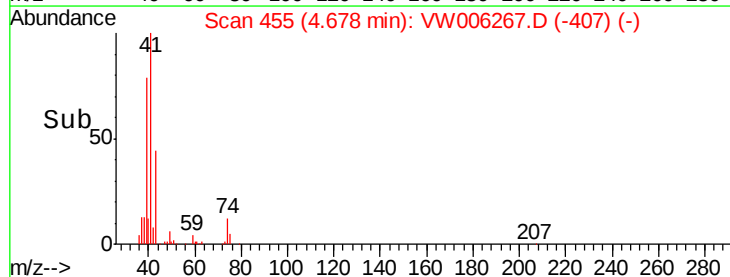
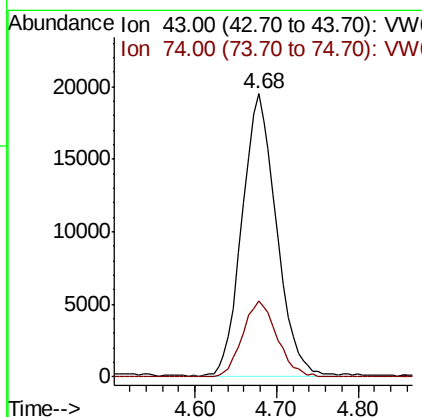
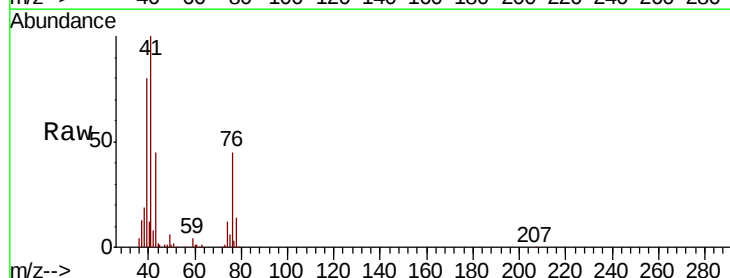
Manual Integrations  
APPROVED

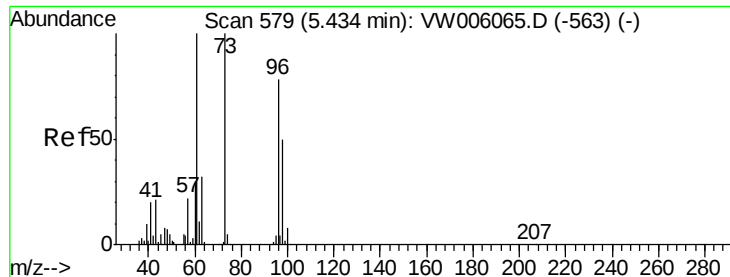
sam  
10/24/2018 5:33:19 PM



#18  
Methyl Acetate  
Concen: 55.663 ug/l  
RT: 4.68 min Scan# 455  
Delta R.T. -0.01 min  
Lab File: VW006267.D  
Acq: 22 Oct 2018 23:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 27.0  | 20.5  | 30.7  |





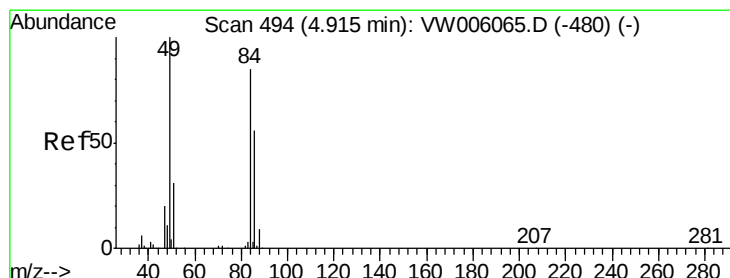
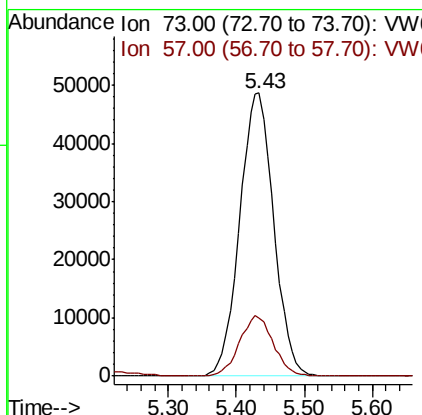
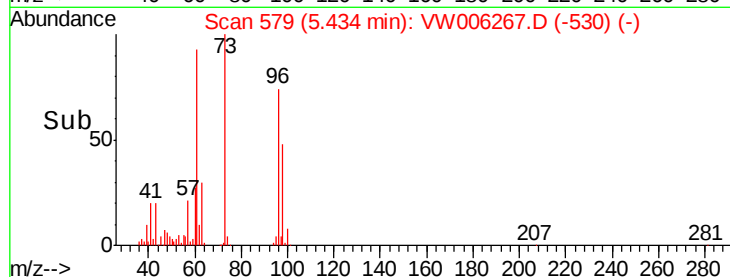
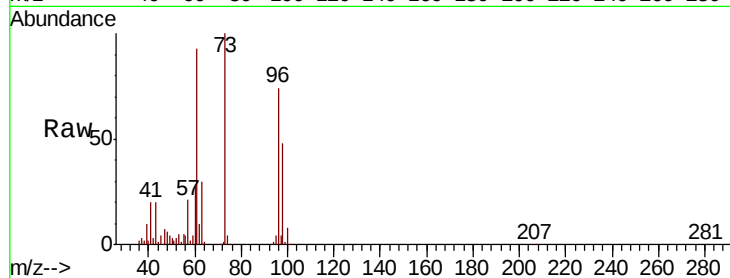
#19  
Methvl tert-butvl Ether  
Concen: 54.256 ug/l  
RT: 5.43 min Scan# 579  
Delta R.T. 0.00 min  
Lab File: VW006267.D  
Acq: 22 Oct 2018 23:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 20.7  | 17.4  | 26.2  |

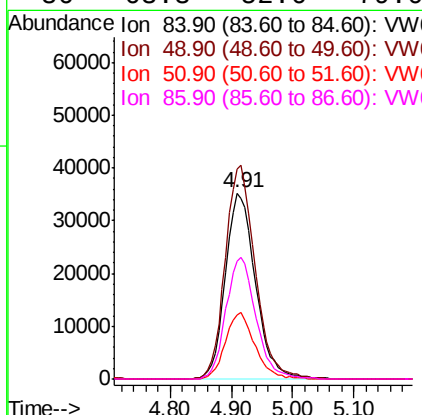
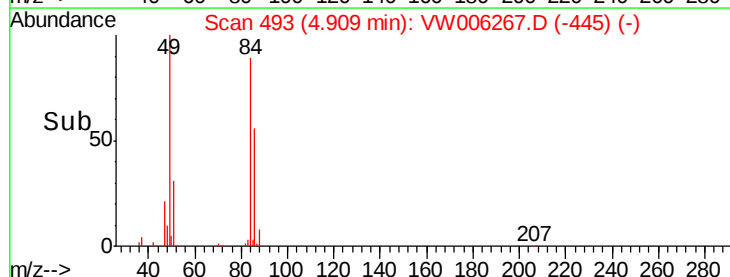
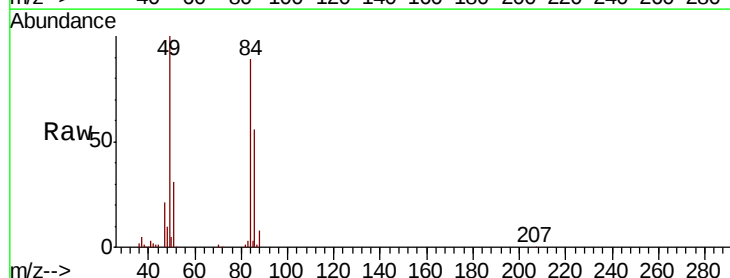
Manual Integrations  
APPROVED

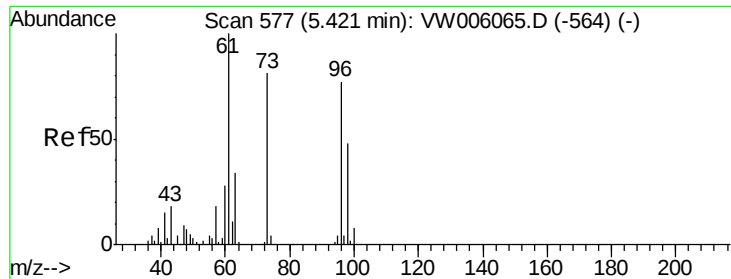
sam  
10/24/2018 5:33:19 PM



#20  
Methylene Chloride  
Concen: 56.009 ug/l  
RT: 4.91 min Scan# 493  
Delta R.T. -0.01 min  
Lab File: VW006267.D  
Acq: 22 Oct 2018 23:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 112.6 | 93.6  | 140.4 |
| 51      | 34.6  | 29.0  | 43.4  |
| 86      | 63.3  | 52.6  | 79.0  |





#21

trans-1,2-Dichloroethene

Concen: 54.658 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

Instrument :

MSVOA\_W

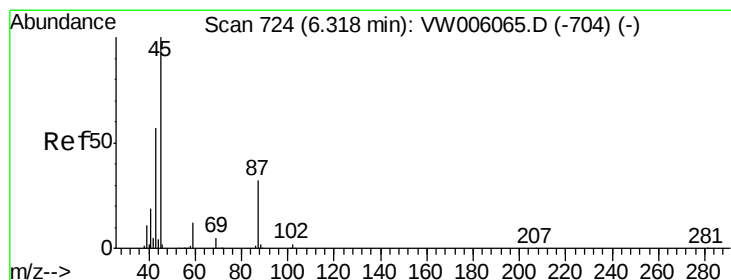
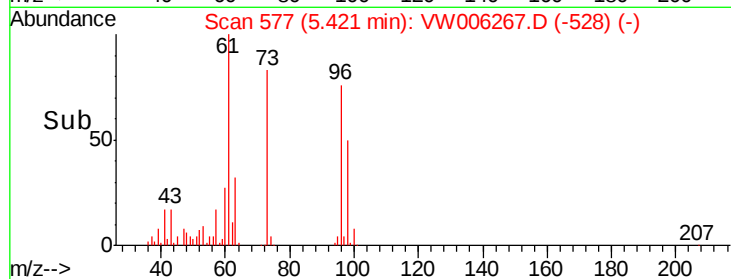
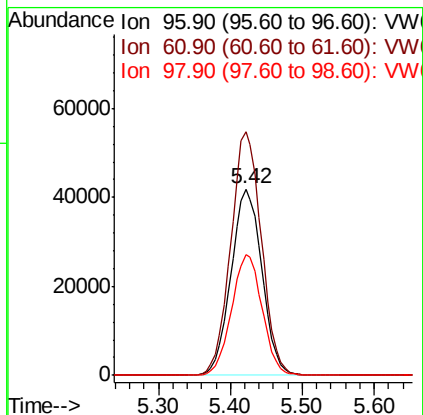
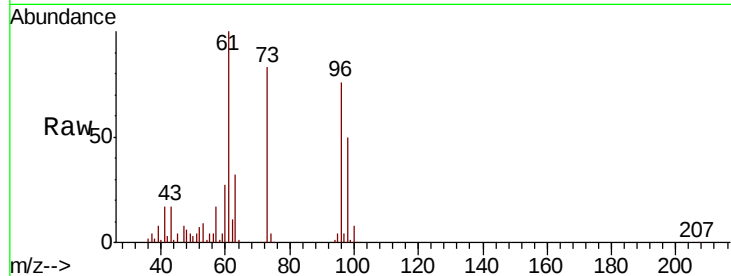
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 124792 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 130.8 | 104.5 | 156.7  |
| 98       | 64.9  | 50.6  | 75.8   |

Manual Integrations  
APPROVED

sam  
10/24/2018 5:33:19 PM



#22

Diisopropyl ether

Concen: 54.681 ug/l

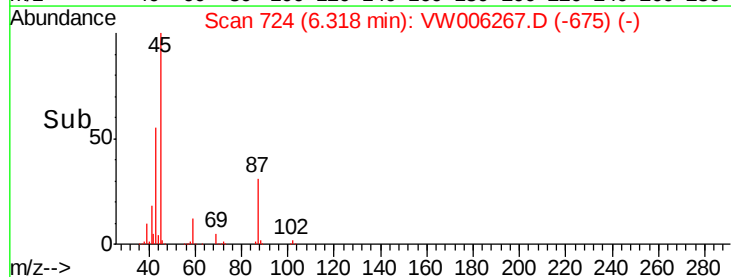
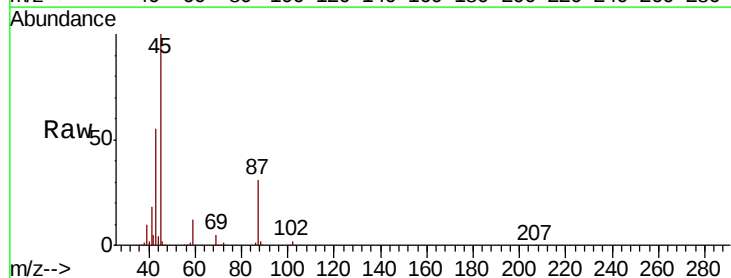
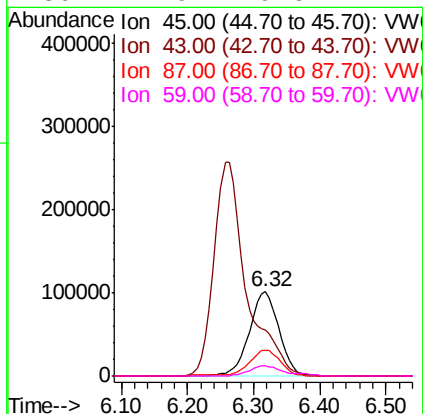
RT: 6.32 min Scan# 724

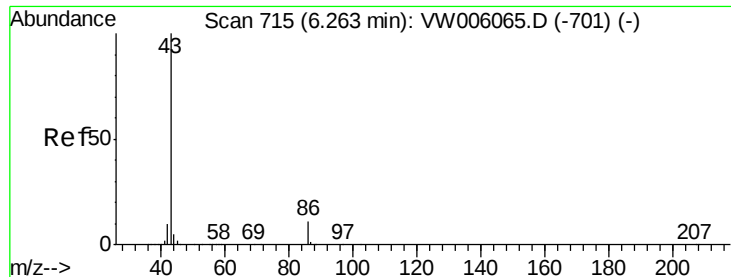
Delta R.T. 0.00 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 316035 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 54.3  | 45.7  | 68.5   |
| 87       | 31.0  | 25.9  | 38.9   |
| 59       | 11.9  | 9.6   | 14.4   |





#23

Vinyl Acetate

Concen: 256.869 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.00 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

Tot Ion: 43 Resp: 876144

Ion Ratio Lower Upper

43 100

86 11.7 9.0 13.6

Instrument :

MSVOA\_W

ClientSampleId :

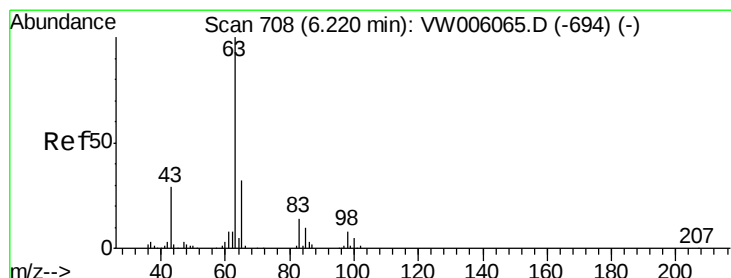
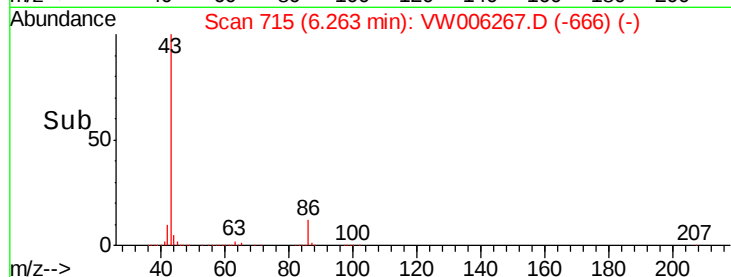
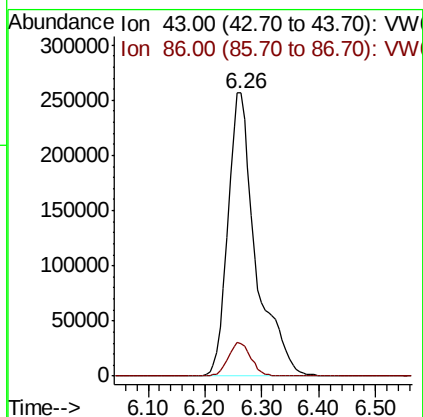
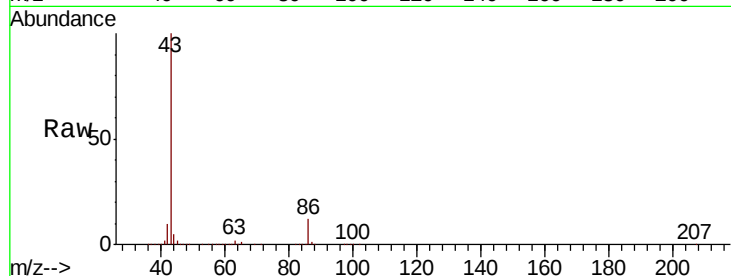
VSTDCCC050

Manual Integrations

APPROVED

sam

10/24/2018 5:33:19 PM



#24

1,1-Dichloroethane

Concen: 55.982 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

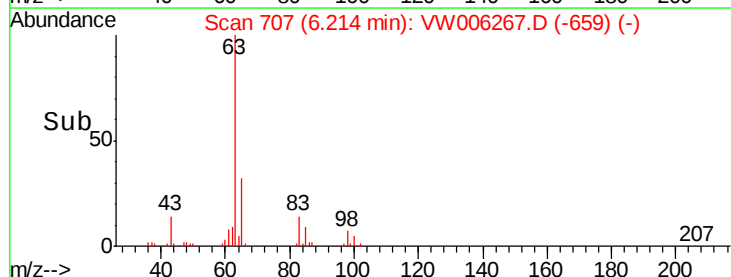
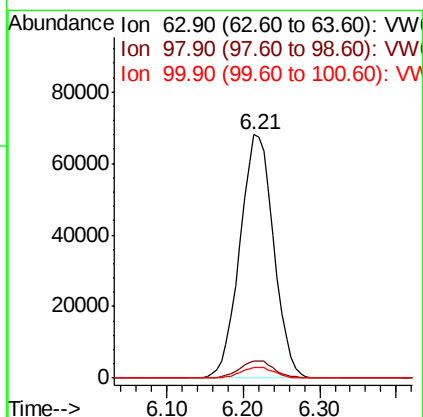
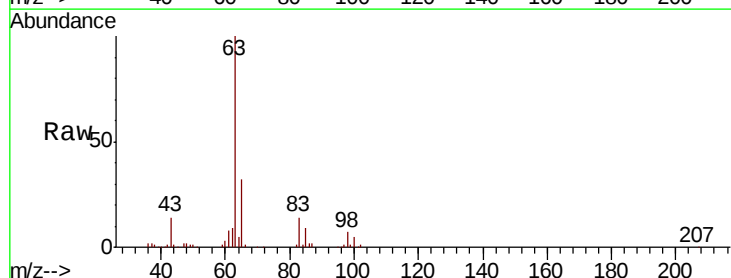
Tgt Ion: 63 Resp: 208776

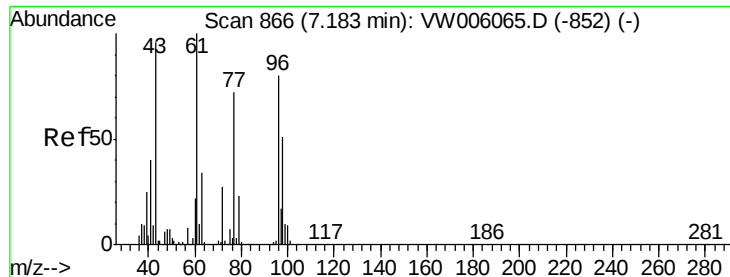
Ion Ratio Lower Upper

63 100

98 7.1 3.8 11.2

100 4.6 2.5 7.5





#25

2-Butanone

Concen: 253.271 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 138867

Ion Ratio Lower Upper

43 100

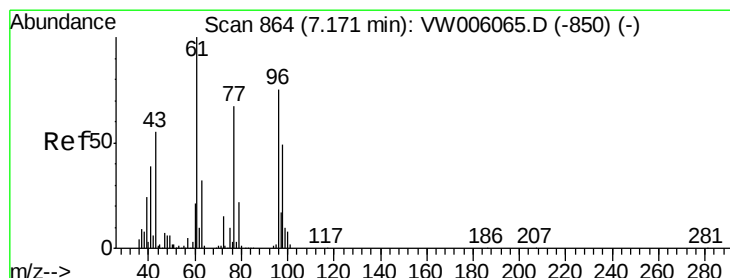
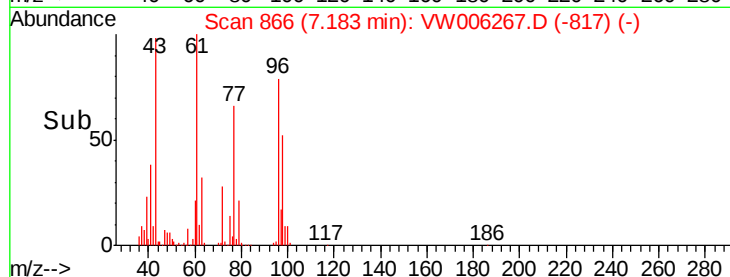
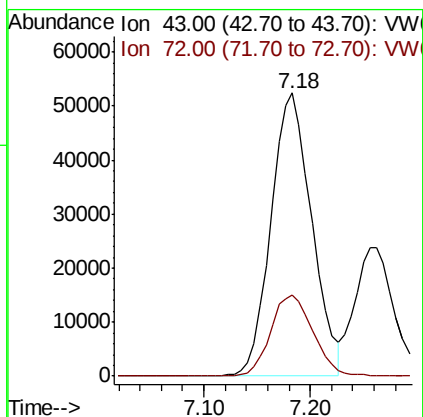
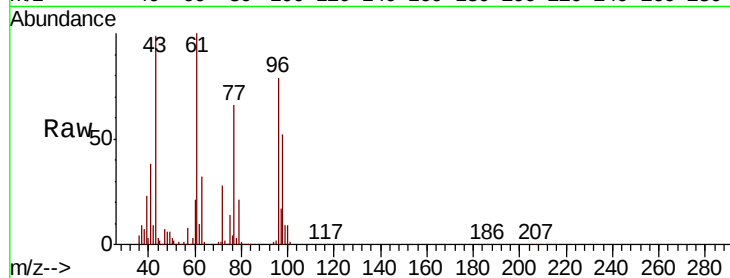
72 28.5 22.8 34.2

Manual Integrations

APPROVED

sam

10/24/2018 5:33:19 PM



#26

2,2-Dichloropropane

Concen: 49.496 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW006267.D

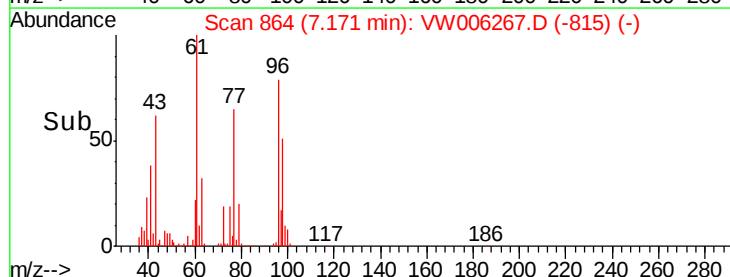
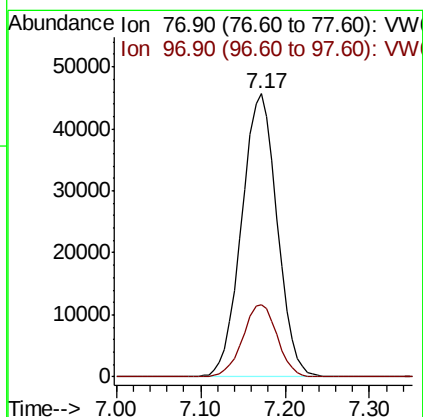
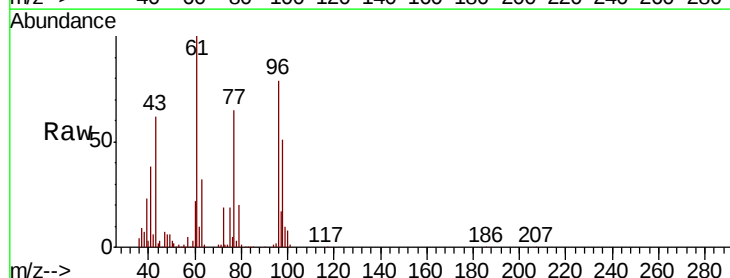
Acq: 22 Oct 2018 23:45

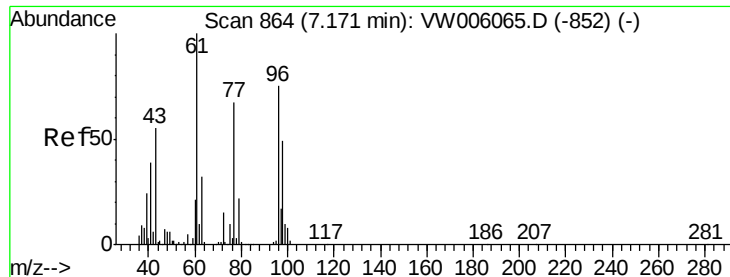
Tgt Ion: 77 Resp: 130189

Ion Ratio Lower Upper

77 100

97 24.8 12.2 36.4





#27

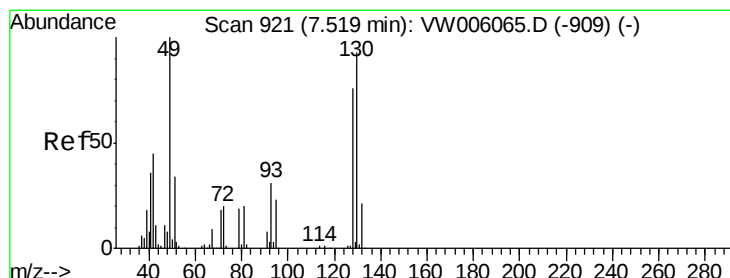
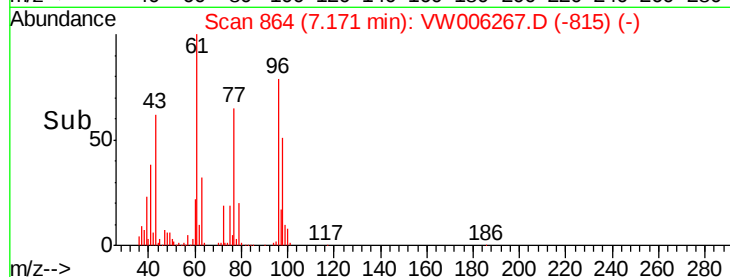
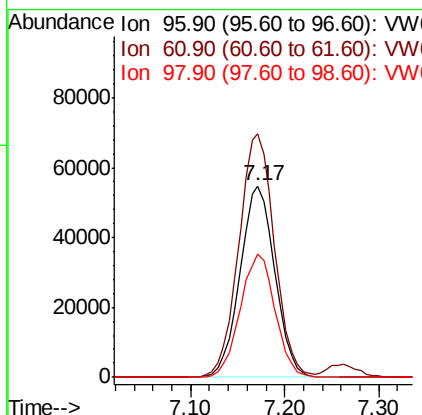
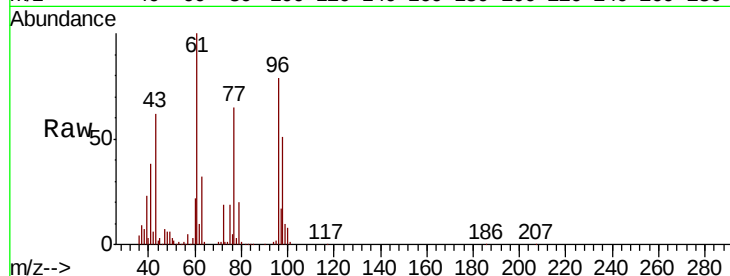
cis-1,2-Dichloroethene  
 Concen: 56.203 ug/l  
 RT: 7.17 min Scan# 864  
 Delta R.T. 0.00 min  
 Lab File: VW006267.D  
 Acq: 22 Oct 2018 23:45

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 130.2 | 0.0   | 267.2 |
| 98      | 64.5  | 0.0   | 128.6 |

Manual Integrations  
 APPROVED

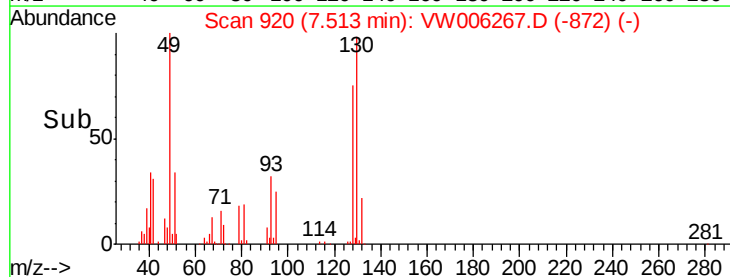
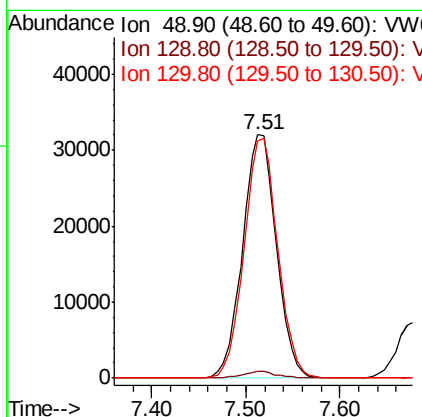
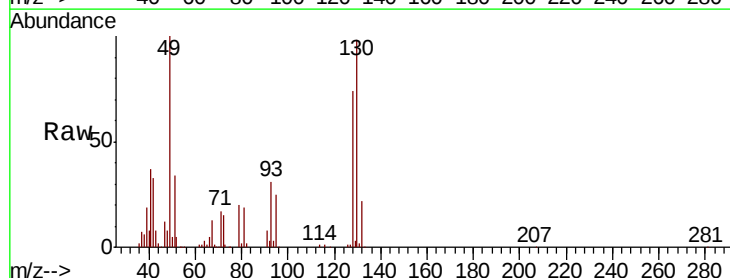
sam  
 10/24/2018 5:33:19 PM

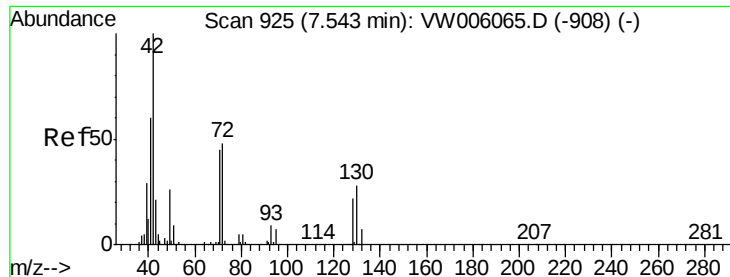


#28

Bromochloromethane  
 Concen: 55.980 ug/l  
 RT: 7.51 min Scan# 920  
 Delta R.T. -0.01 min  
 Lab File: VW006267.D  
 Acq: 22 Oct 2018 23:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.6   | 0.0   | 5.0   |
| 130     | 98.1  | 73.8  | 110.8 |





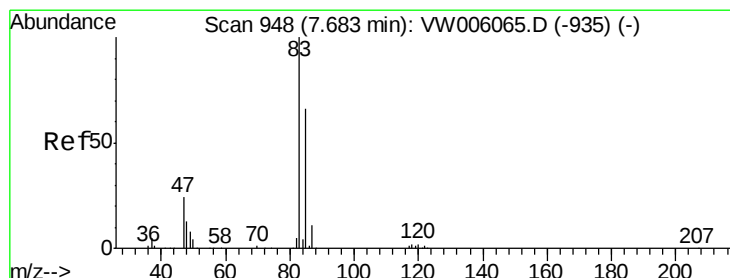
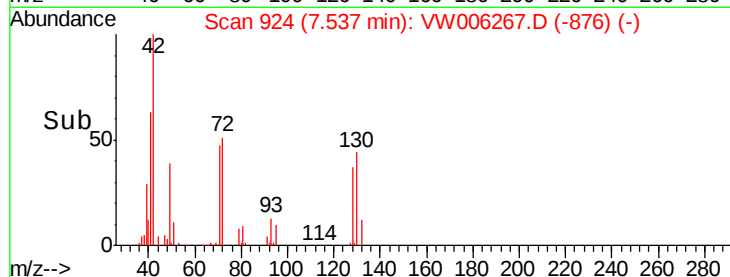
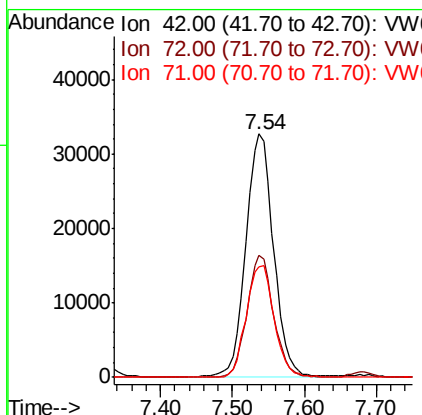
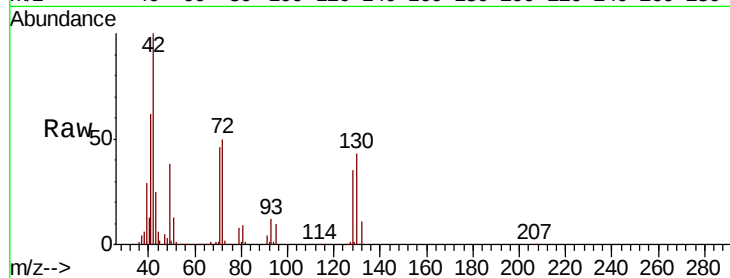
#29  
Tetrahydrofuran  
Concen: 260.714 ug/l  
RT: 7.54 min Scan# 924  
Delta R.T. -0.01 min  
Lab File: VW006267.D  
Acq: 22 Oct 2018 23:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 47.8  | 38.0  | 57.0  |
| 71      | 45.8  | 35.3  | 52.9  |

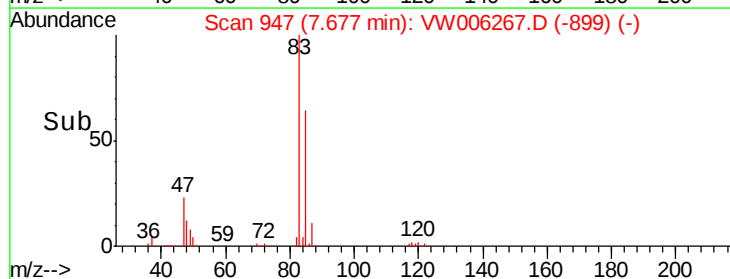
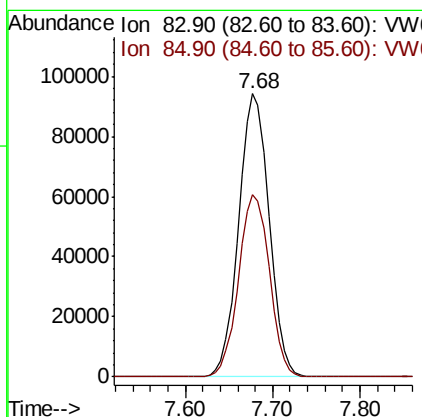
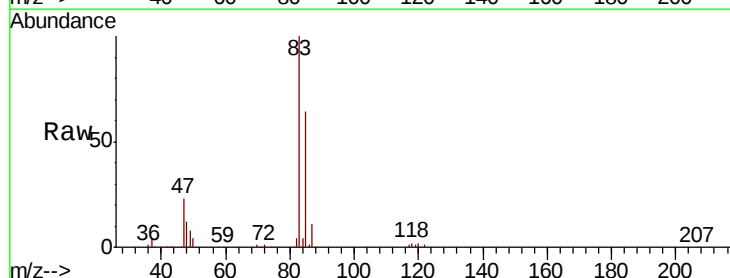
Manual Integrations  
APPROVED

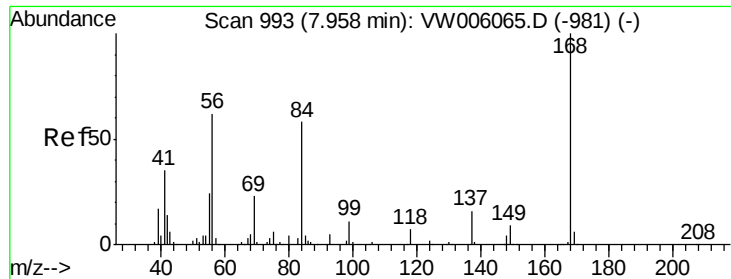
sam  
10/24/2018 5:33:19 PM



#30  
Chloroform  
Concen: 56.062 ug/l  
RT: 7.68 min Scan# 947  
Delta R.T. -0.01 min  
Lab File: VW006267.D  
Acq: 22 Oct 2018 23:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.4  | 52.6  | 79.0  |





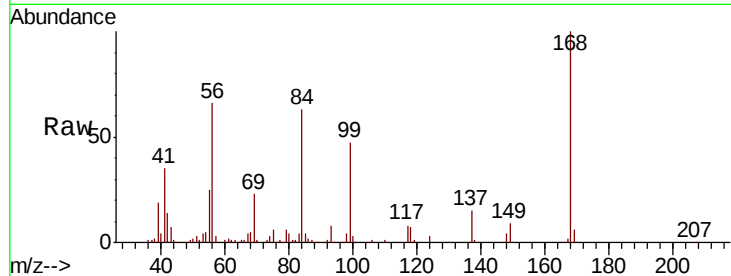
#31  
Cvclohexane  
Concen: 48.696 ug/l  
RT: 7.96 min Scan# 993  
Delta R.T. 0.00 min  
Lab File: VW006267.D  
Acq: 22 Oct 2018 23:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 34.9  | 29.4  | 44.0  |
| 84      | 93.8  | 74.0  | 111.0 |

Manual Integrations  
APPROVED

sam  
10/24/2018 5:33:19 PM

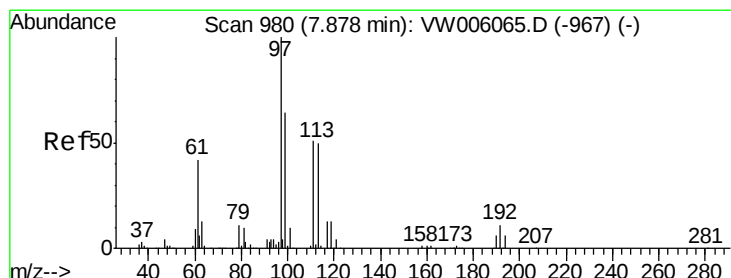
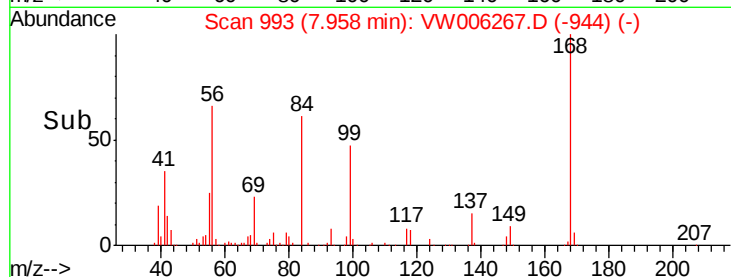
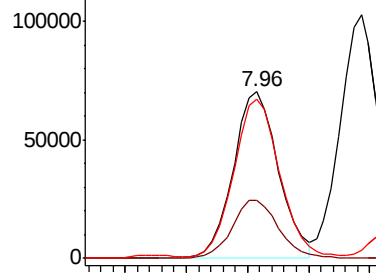


Abundance

Ion 56.00 (55.70 to 56.70): VW

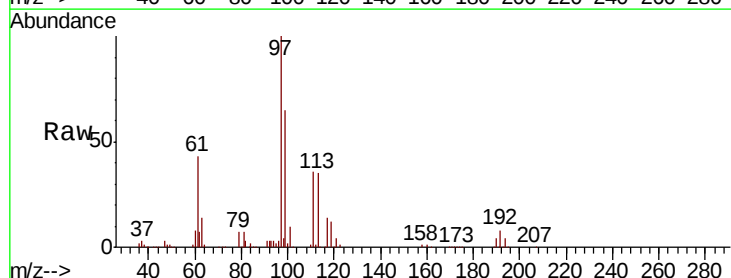
Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#32  
1,1,1-Trichloroethane  
Concen: 53.677 ug/l  
RT: 7.87 min Scan# 979  
Delta R.T. -0.01 min  
Lab File: VW006267.D  
Acq: 22 Oct 2018 23:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.5  | 50.9  | 76.3  |
| 61      | 42.6  | 33.7  | 50.5  |

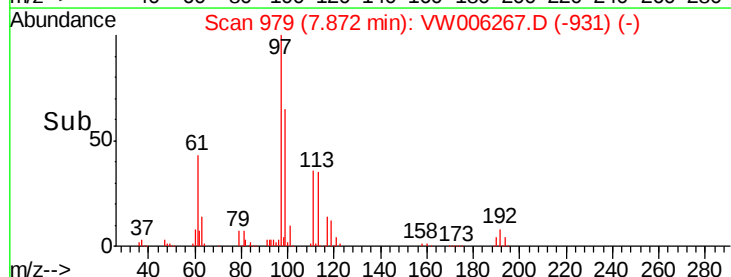
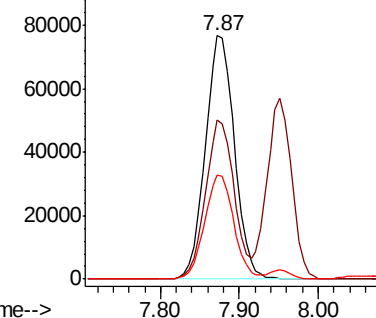


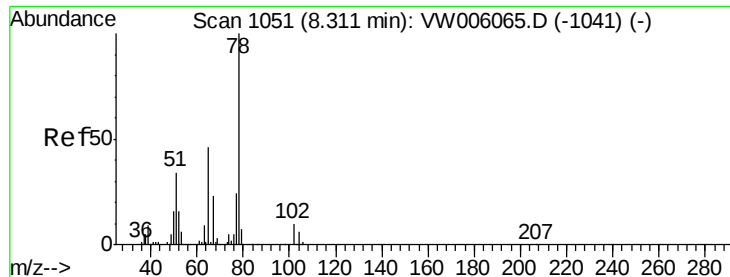
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW





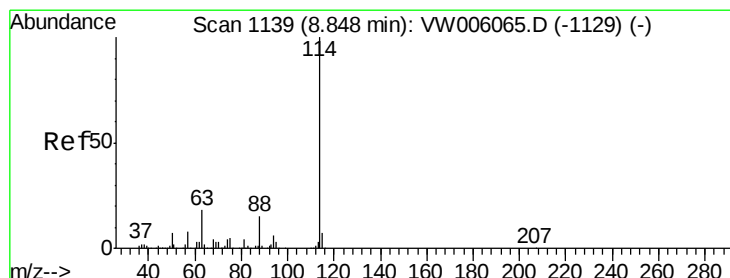
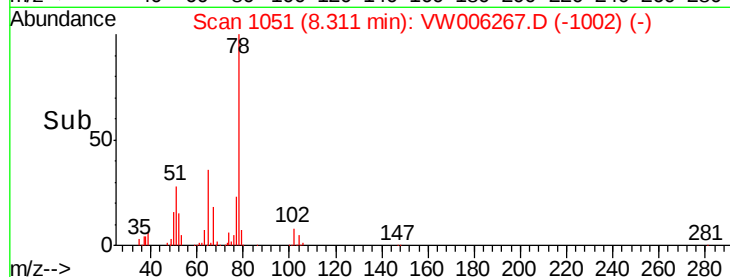
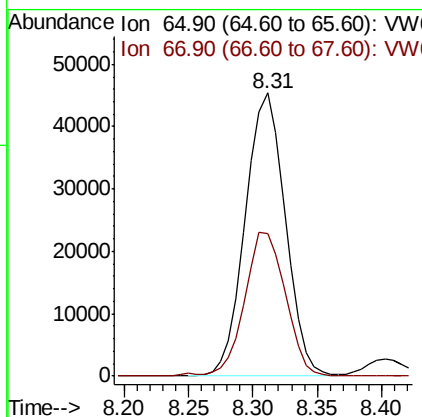
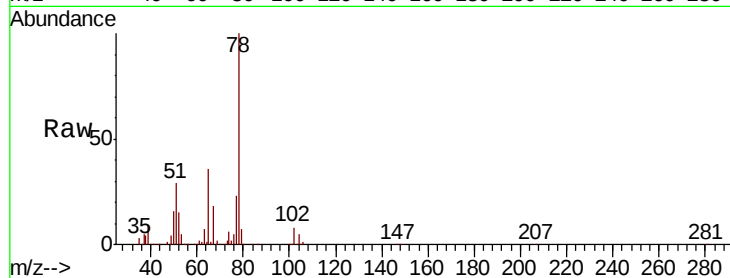
#33  
 1,2-Dichloroethane-d4  
 Concen: 48.216 ug/l  
 RT: 8.31 min Scan# 1051  
 Delta R.T. 0.00 min  
 Lab File: VW006267.D  
 Acq: 22 Oct 2018 23:45

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 52.0  | 0.0   | 101.0 |

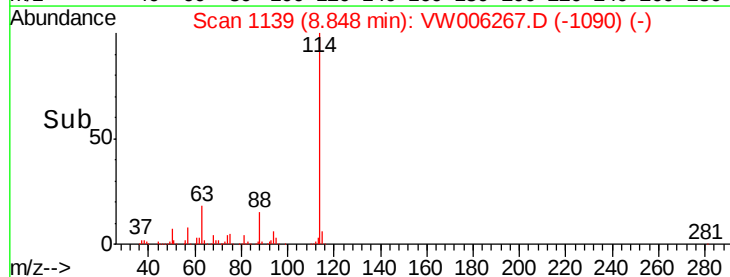
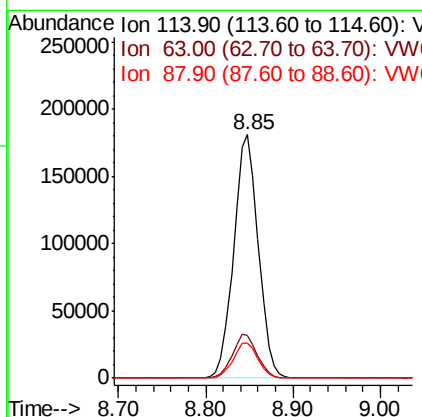
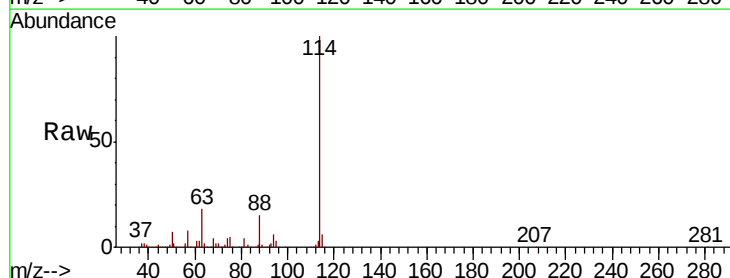
Manual Integrations  
 APPROVED

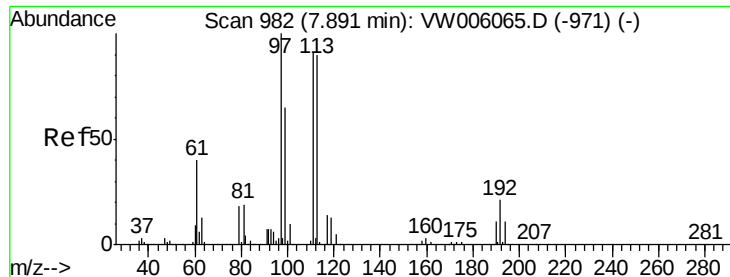
sam  
 10/24/2018 5:33:19 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.85 min Scan# 1139  
 Delta R.T. 0.00 min  
 Lab File: VW006267.D  
 Acq: 22 Oct 2018 23:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 17.7  | 0.0   | 36.8  |
| 88      | 14.6  | 0.0   | 29.0  |





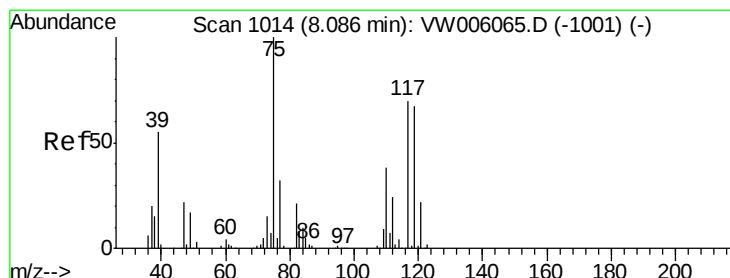
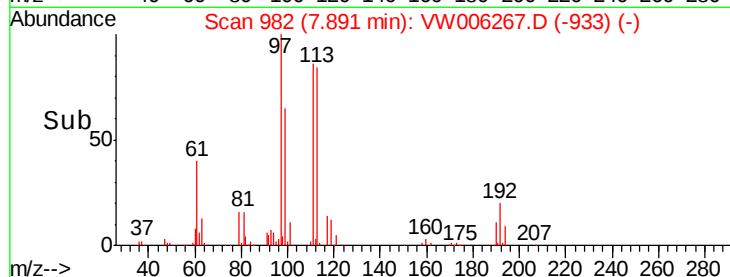
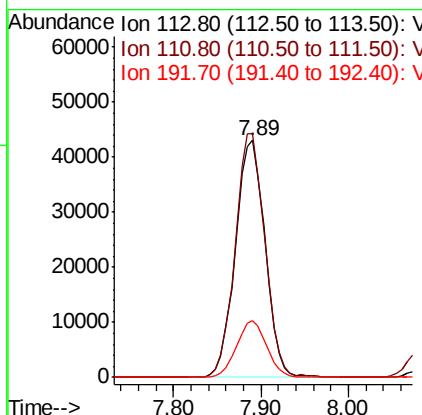
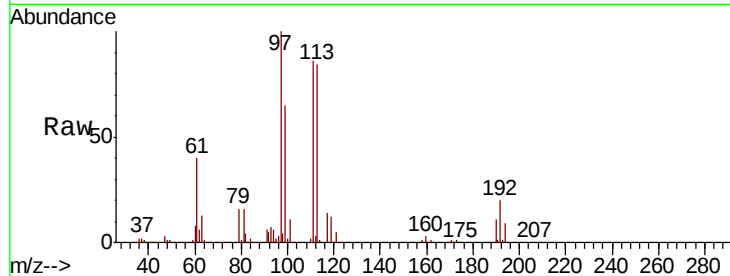
#35  
 Dibromofluoromethane  
 Concen: 48.949 ug/l  
 RT: 7.89 min Scan# 982  
 Delta R.T. 0.00 min  
 Lab File: VW006267.D  
 Acq: 22 Oct 2018 23:45

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.1 | 81.4  | 122.0 |
| 192     | 23.8  | 18.7  | 28.1  |

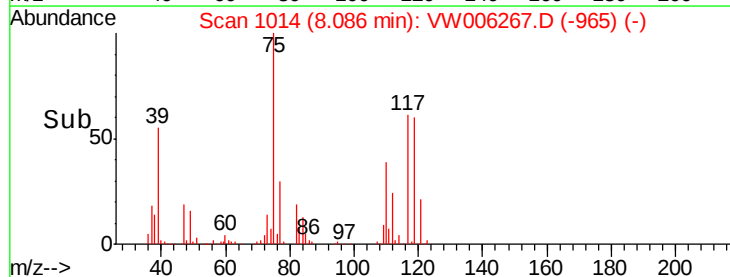
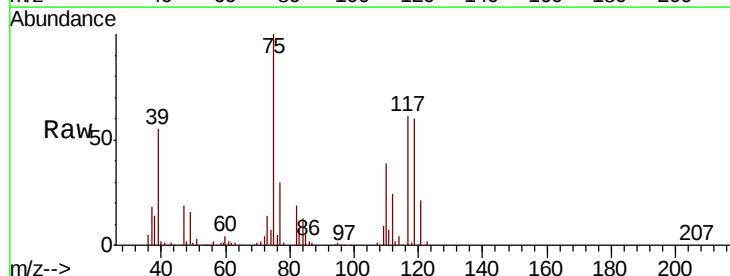
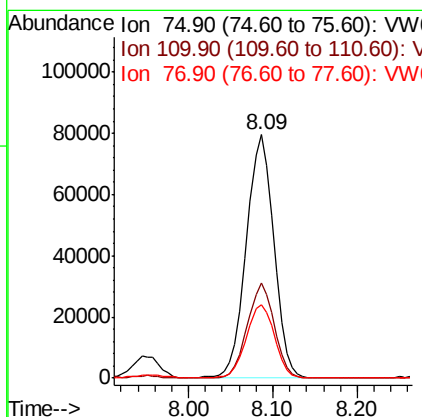
Manual Integrations  
 APPROVED

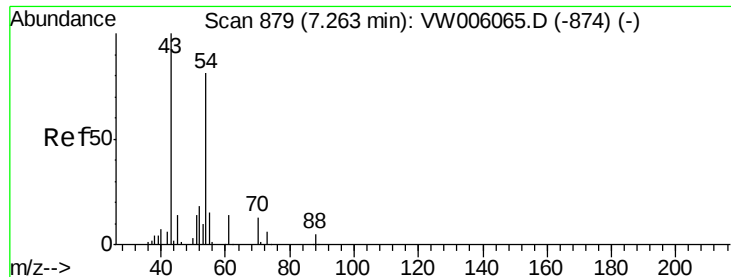
sam  
 10/24/2018 5:33:19 PM



#36  
 1,1-Dichloropropene  
 Concen: 54.054 ug/l  
 RT: 8.09 min Scan# 1014  
 Delta R.T. 0.00 min  
 Lab File: VW006267.D  
 Acq: 22 Oct 2018 23:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 37.9  | 19.1  | 57.1  |
| 77      | 31.0  | 25.0  | 37.4  |





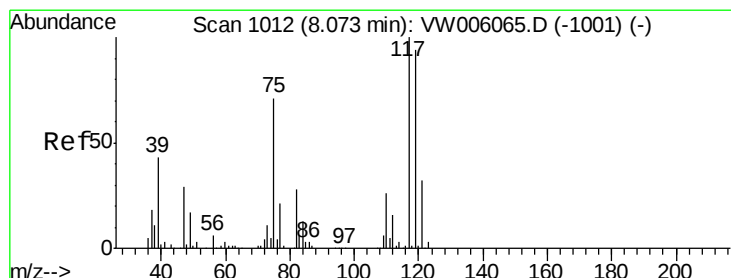
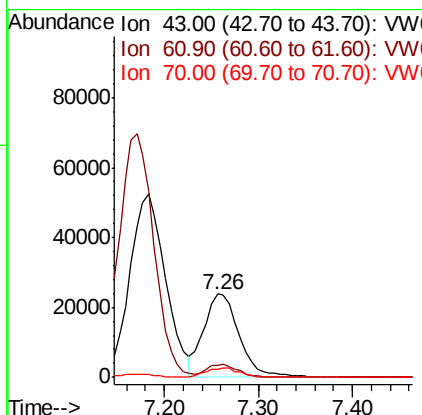
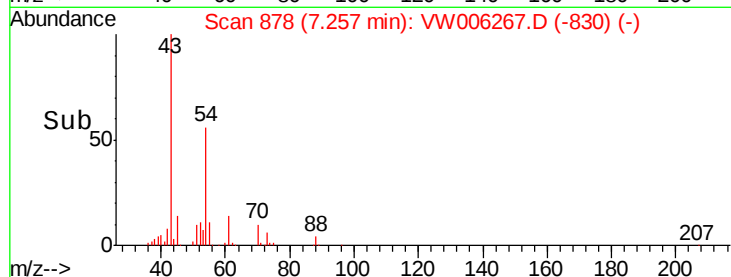
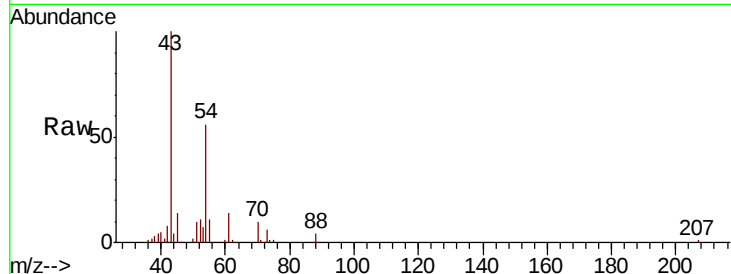
#37  
Ethyl Acetate  
Concen: 51.221 ug/l  
RT: 7.26 min Scan# 878  
Delta R.T. -0.01 min  
Lab File: VW006267.D  
Acq: 22 Oct 2018 23:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.1  | 11.5  | 17.3  |
| 70      | 11.2  | 9.2   | 13.8  |

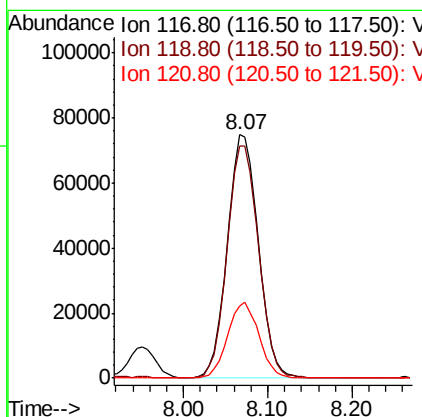
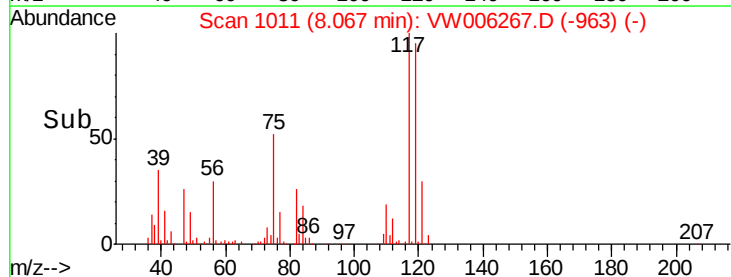
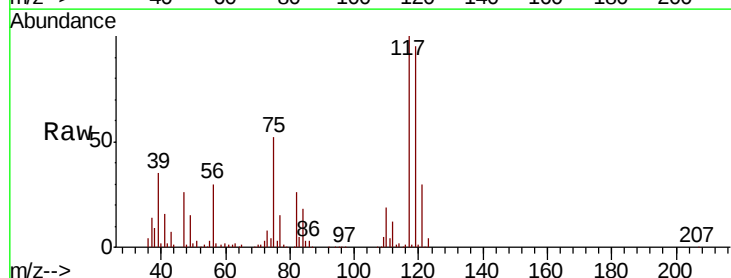
Manual Integrations  
APPROVED

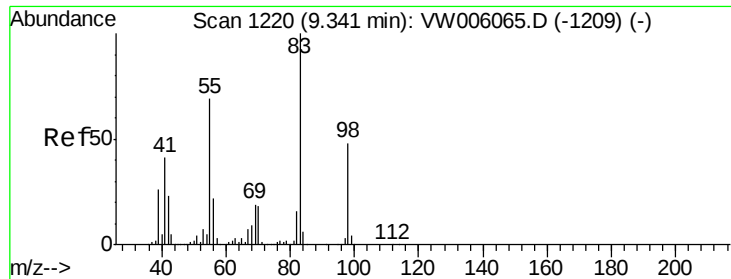
sam  
10/24/2018 5:33:19 PM



#38  
Carbon Tetrachloride  
Concen: 52.314 ug/l  
RT: 8.07 min Scan# 1011  
Delta R.T. -0.01 min  
Lab File: VW006267.D  
Acq: 22 Oct 2018 23:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 95.3  | 75.2  | 112.8 |
| 121     | 29.5  | 25.3  | 37.9  |





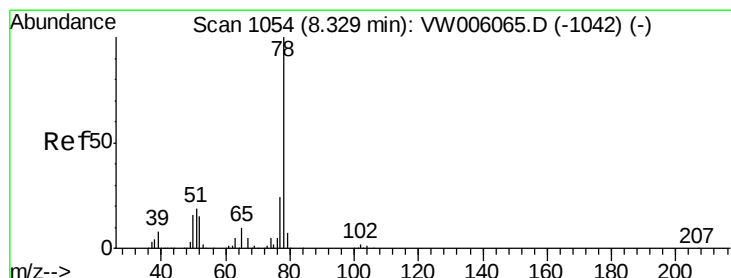
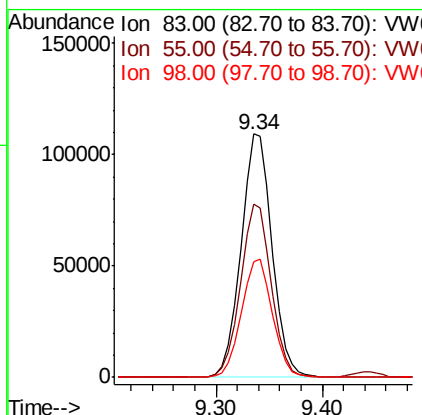
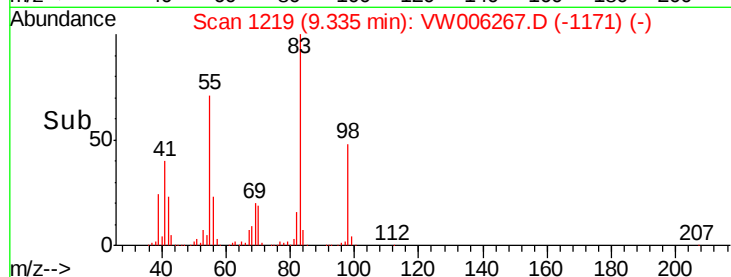
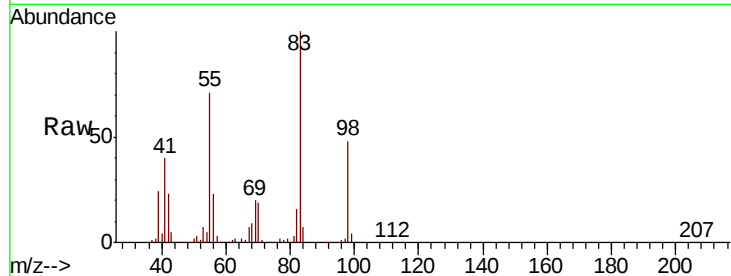
#39  
Methvlcvclohexane  
Concen: 51.615 ug/l  
RT: 9.34 min Scan# 1219  
Delta R.T. -0.01 min  
Lab File: VW006267.D  
Acq: 22 Oct 2018 23:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 223323 |       |       |
| 55      | 71.4  |        | 55.0  | 82.6  |
| 98      | 47.6  |        | 38.6  | 57.8  |

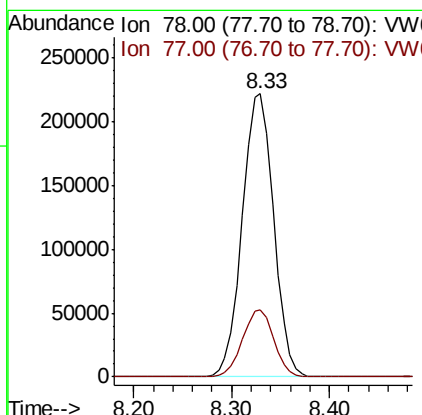
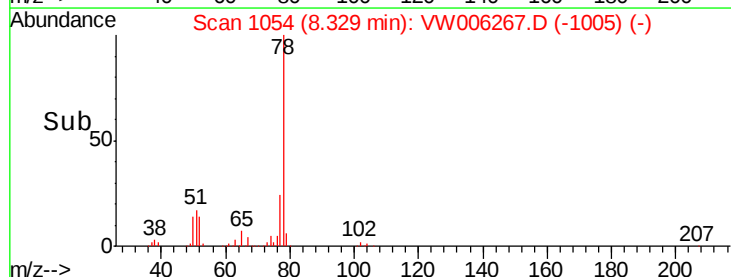
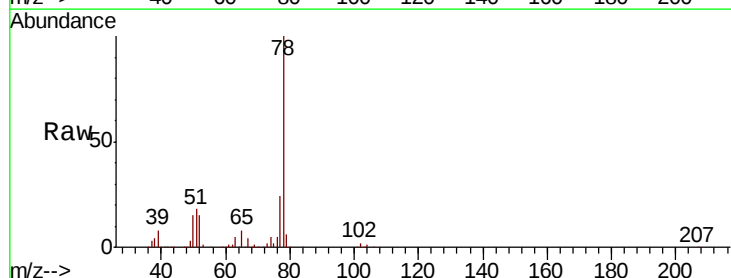
Manual Integrations  
APPROVED

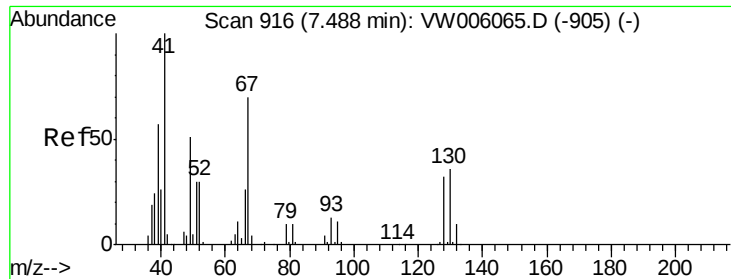
sam  
10/24/2018 5:33:19 PM



#40  
Benzene  
Concen: 55.438 ug/l  
RT: 8.33 min Scan# 1054  
Delta R.T. 0.00 min  
Lab File: VW006267.D  
Acq: 22 Oct 2018 23:45

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 78      | 100   | 494987 |       |       |
| 77      | 23.7  |        | 19.4  | 29.0  |





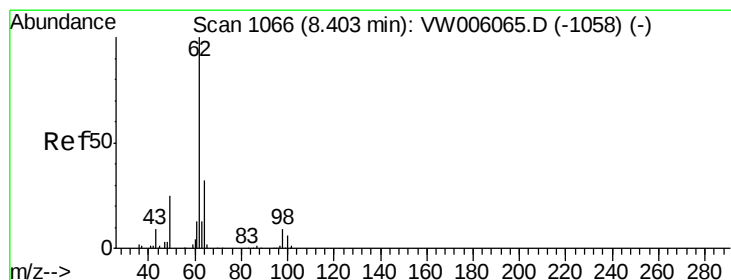
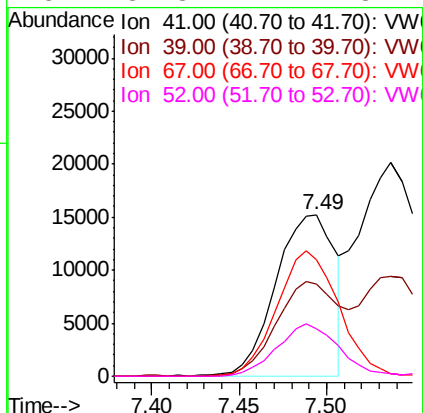
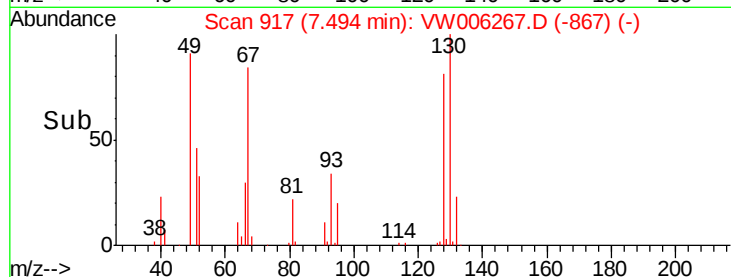
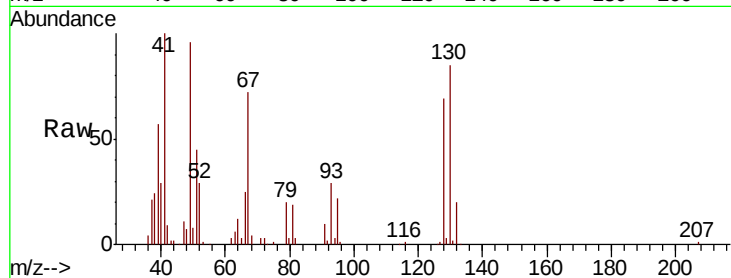
#41  
Methacrylonitrile  
Concen: 49.299 ug/l  
RT: 7.49 min Scan# 917  
Delta R.T. 0.01 min  
Lab File: VW006267.D  
Acq: 22 Oct 2018 23:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | 41    | Resp  | 35941 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 41      | 100   |       |       |
| 39      | 63.9  | 46.2  | 69.4  |
| 67      | 81.2  | 57.7  | 86.5  |
| 52      | 34.3  | 24.7  | 37.1  |

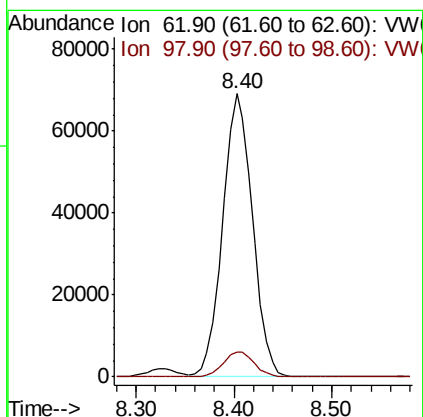
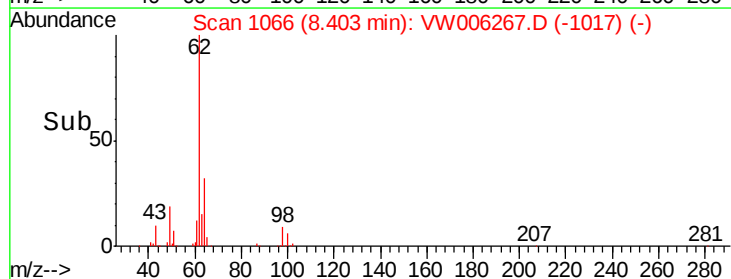
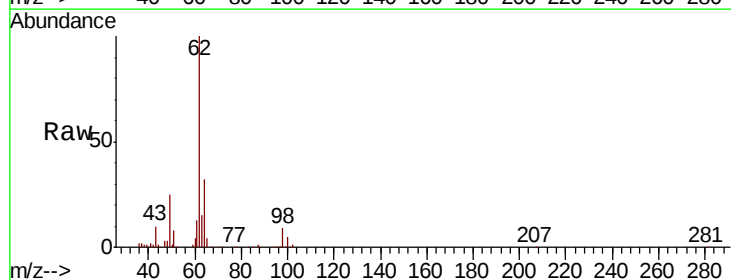
Manual Integrations  
APPROVED

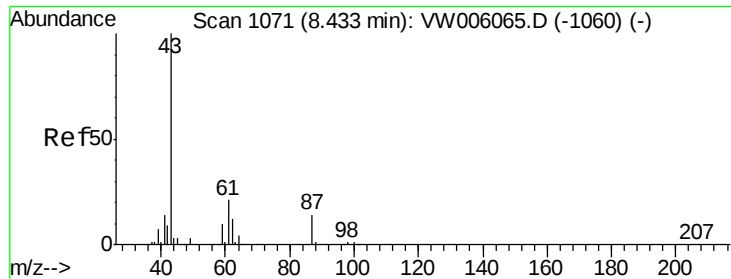
sam  
10/24/2018 5:33:19 PM



#42  
1,2-Dichloroethane  
Concen: 55.633 ug/l  
RT: 8.40 min Scan# 1066  
Delta R.T. 0.00 min  
Lab File: VW006267.D  
Acq: 22 Oct 2018 23:45

| Tgt Ion | 62    | Resp  | 145936 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 62      | 100   |       |        |
| 98      | 9.2   | 0.0   | 18.4   |





#43

Isopropyl Acetate

Concen: 50.584 ug/l

RT: 8.43 min Scan# 1071

Delta R.T. 0.00 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

Instrument :

MSVOA\_W

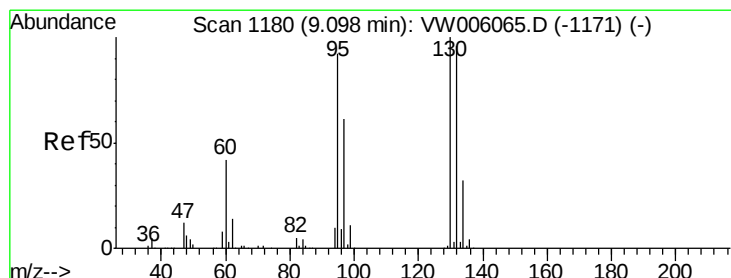
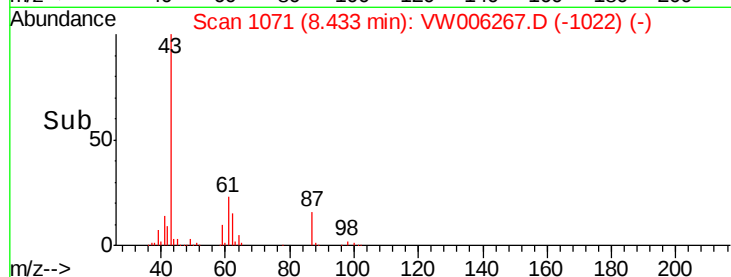
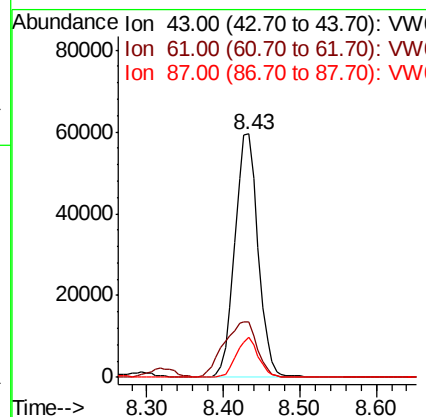
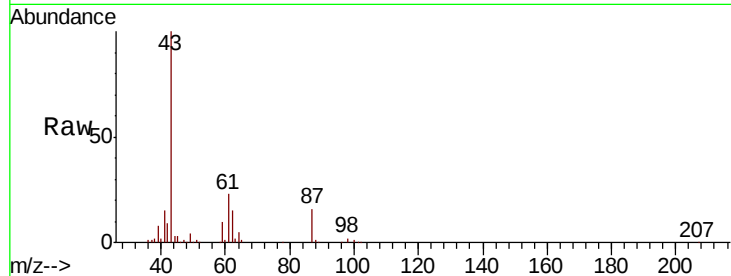
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 125078 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 32.7  | 25.5  | 38.3   |
| 87       | 15.3  | 11.7  | 17.5   |

Manual Integrations  
APPROVED

sam  
10/24/2018 5:33:19 PM



#44

Trichloroethene

Concen: 55.165 ug/l

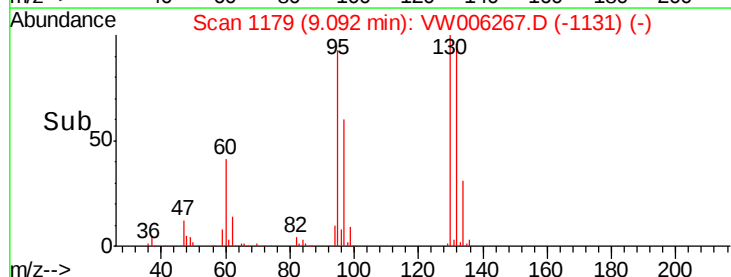
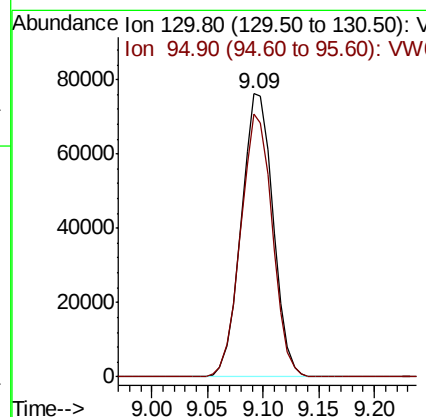
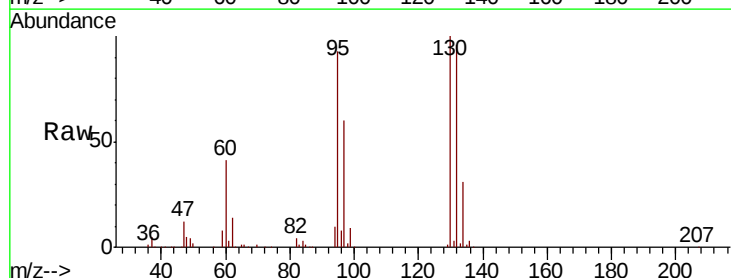
RT: 9.09 min Scan# 1179

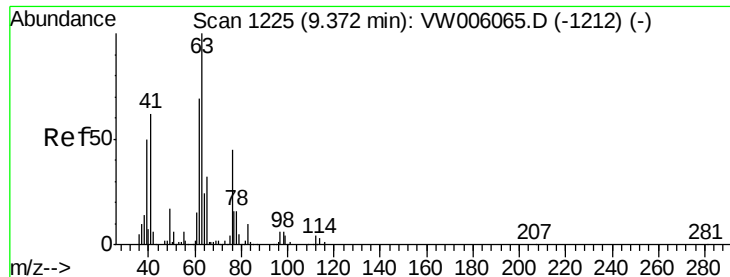
Delta R.T. -0.01 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 151111 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 92.7  | 0.0   | 183.2  |





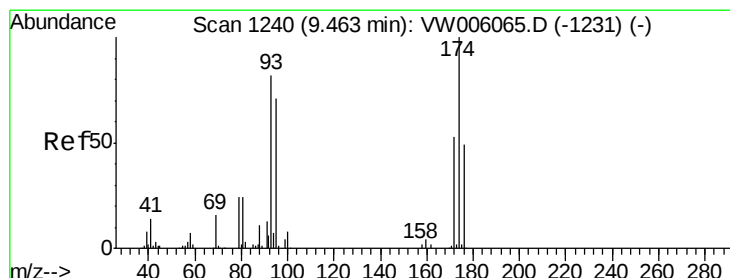
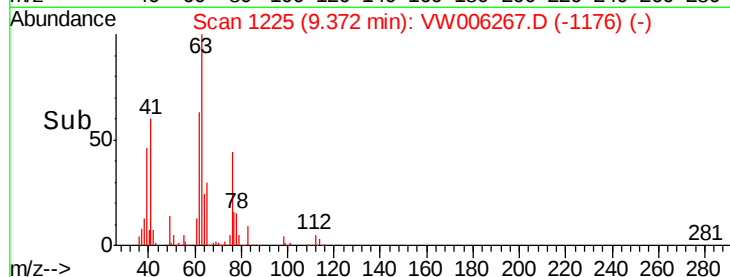
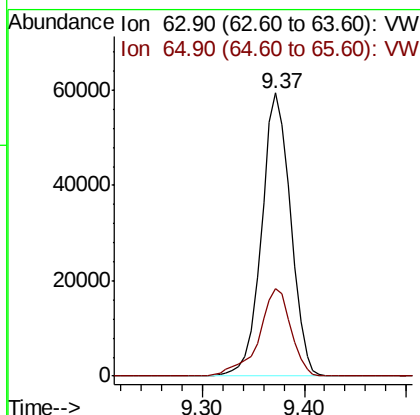
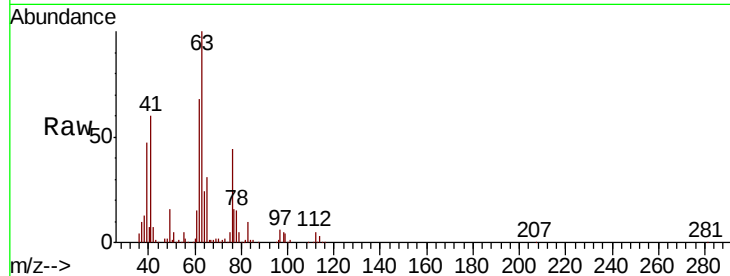
#45  
 1,2-Dichloropropane  
 Concen: 54.963 ug/l  
 RT: 9.37 min Scan# 1225  
 Delta R.T. 0.00 min  
 Lab File: VW006267.D  
 Acq: 22 Oct 2018 23:45

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 30.8  | 25.4  | 38.0  |

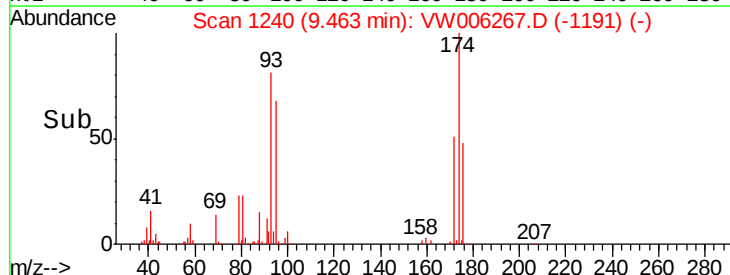
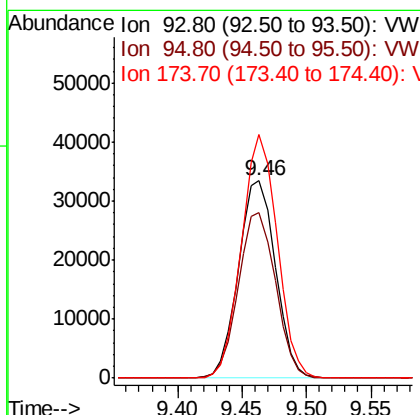
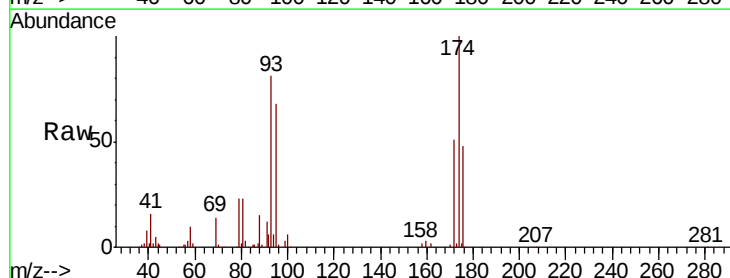
Manual Integrations  
 APPROVED

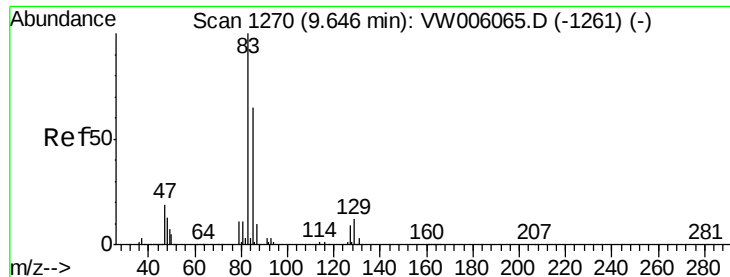
sam  
 10/24/2018 5:33:19 PM



#46  
 Dibromomethane  
 Concen: 54.793 ug/l  
 RT: 9.46 min Scan# 1240  
 Delta R.T. 0.00 min  
 Lab File: VW006267.D  
 Acq: 22 Oct 2018 23:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 84.1  | 67.7  | 101.5 |
| 174     | 118.8 | 93.7  | 140.5 |





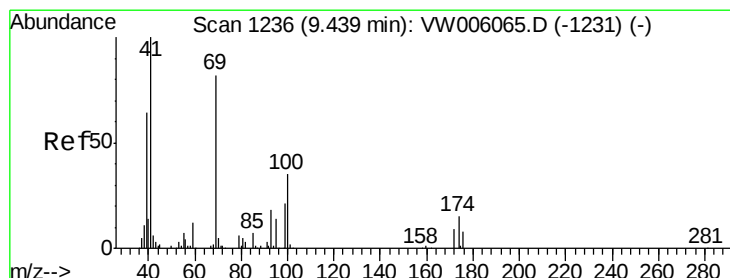
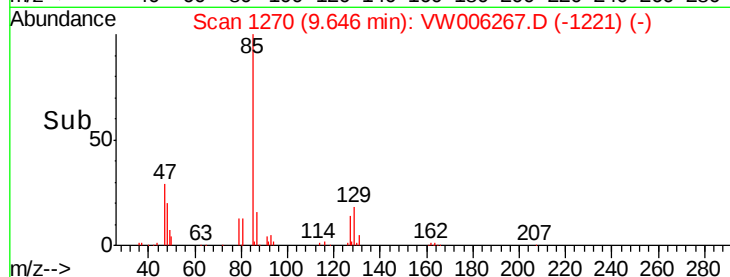
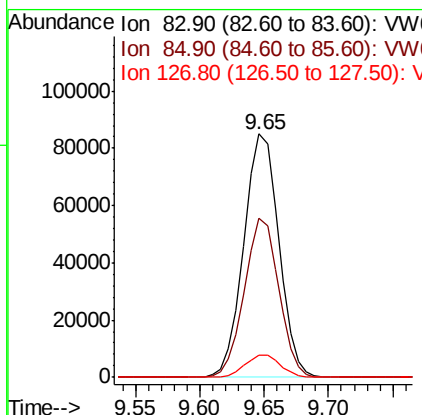
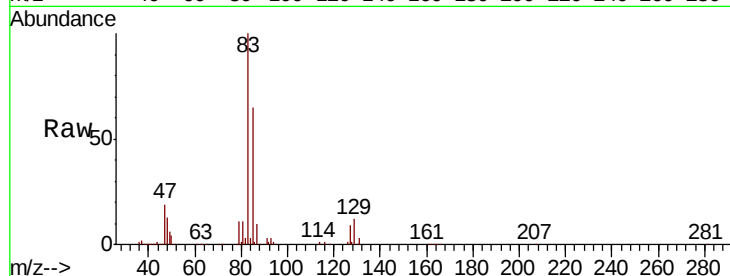
#47  
Bromodichloromethane  
Concen: 54.142 ug/l  
RT: 9.65 min Scan# 1270  
Delta R.T. 0.00 min  
Lab File: VW006267.D  
Acq: 22 Oct 2018 23:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion   | 83   | Resp  | 159845 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 83        | 100  |       |        |
| 85        | 65.3 | 51.8  | 77.8   |
| 127       | 9.3  | 6.9   | 10.3   |

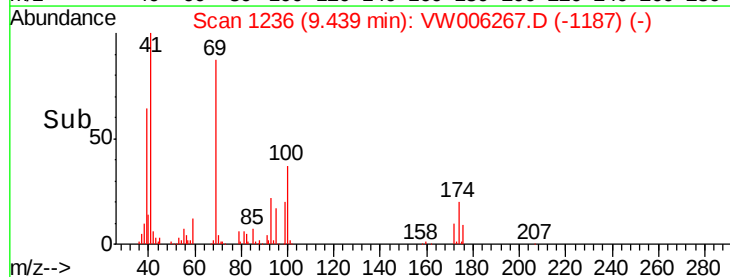
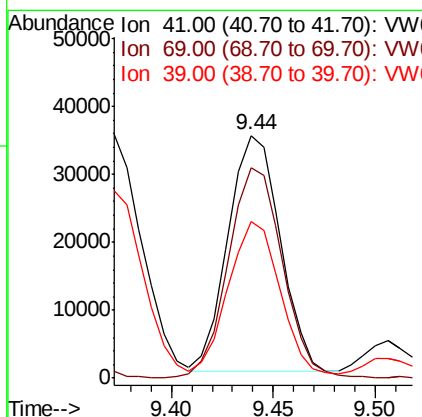
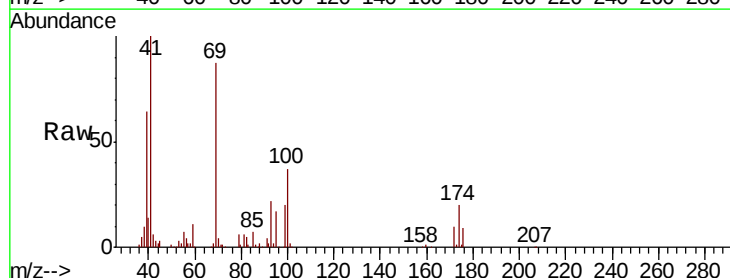
Manual Integrations  
APPROVED

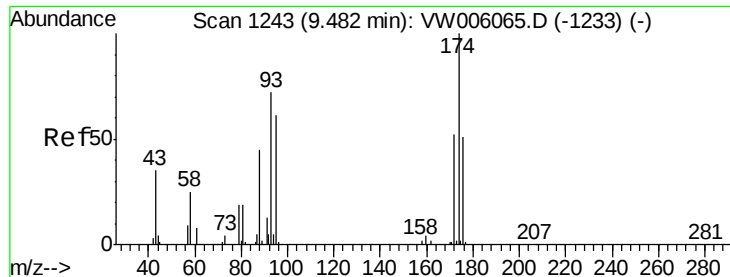
sam  
10/24/2018 5:33:19 PM



#48  
Methyl methacrylate  
Concen: 52.490 ug/l  
RT: 9.44 min Scan# 1236  
Delta R.T. 0.00 min  
Lab File: VW006267.D  
Acq: 22 Oct 2018 23:45

| Tgt Ion   | 41   | Resp  | 61522 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 41        | 100  |       |       |
| 69        | 92.7 | 71.8  | 107.8 |
| 39        | 63.2 | 52.5  | 78.7  |





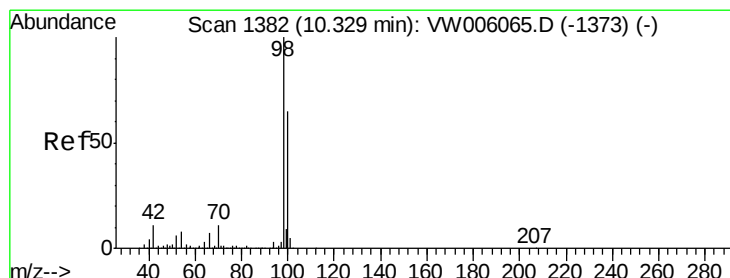
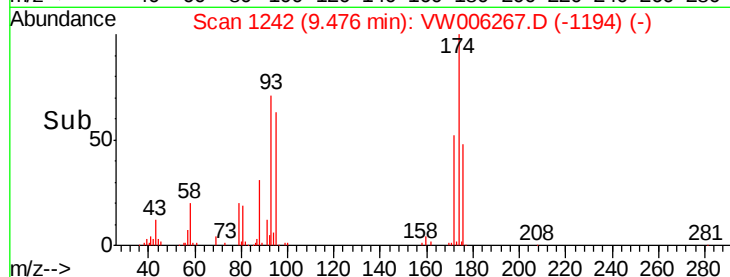
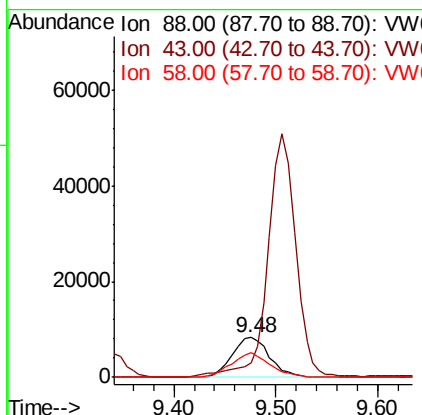
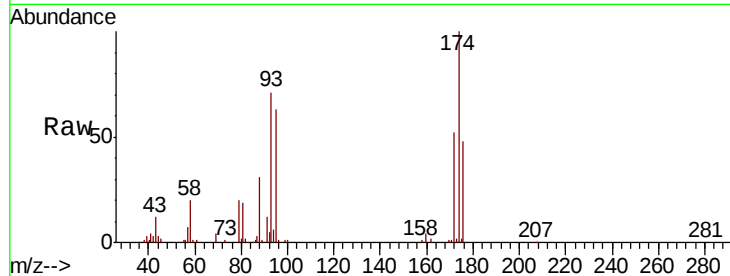
#49  
1,4-Dioxane  
Concen: 1130.128 ug/l  
RT: 9.48 min Scan# 1242  
Delta R.T. -0.01 min  
Lab File: VW006267.D  
Acq: 22 Oct 2018 23:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 0.0   | 0.0   | 0.0   |
| 58      | 65.4  | 51.2  | 76.8  |

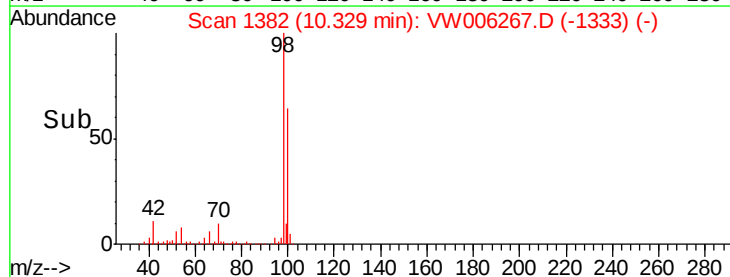
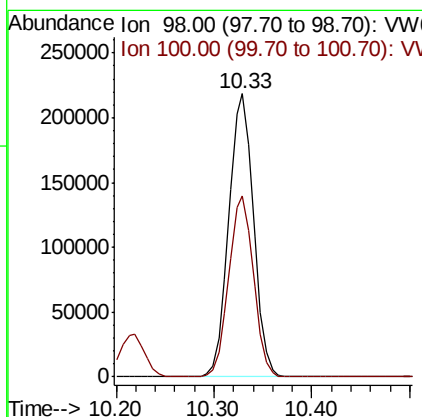
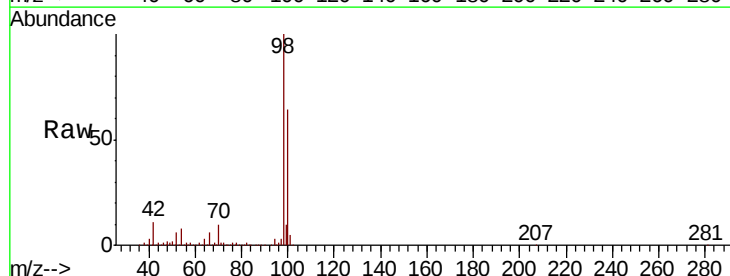
Manual Integrations  
APPROVED

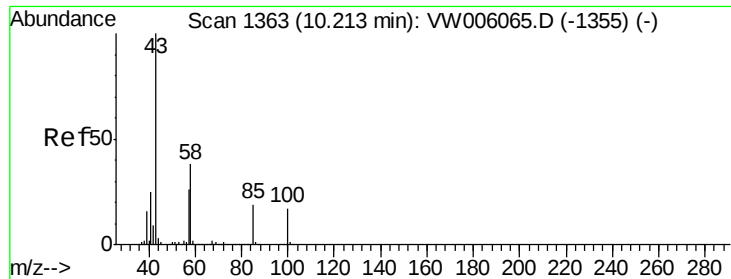
sam  
10/24/2018 5:33:19 PM



#50  
Toluene-d8  
Concen: 48.214 ug/l  
RT: 10.33 min Scan# 1382  
Delta R.T. 0.00 min  
Lab File: VW006267.D  
Acq: 22 Oct 2018 23:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.9  | 51.6  | 77.4  |





#51

4-Methyl-2-Pentanone

Concen: 259.027 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 320909

Ion Ratio Lower Upper

43 100

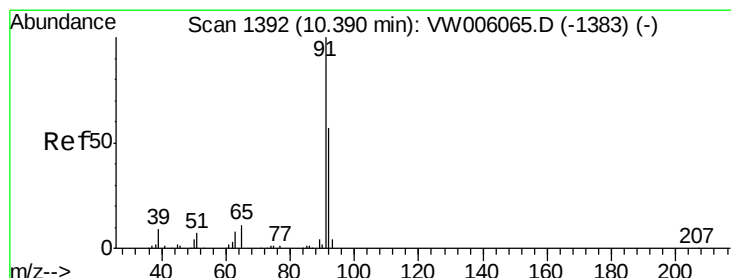
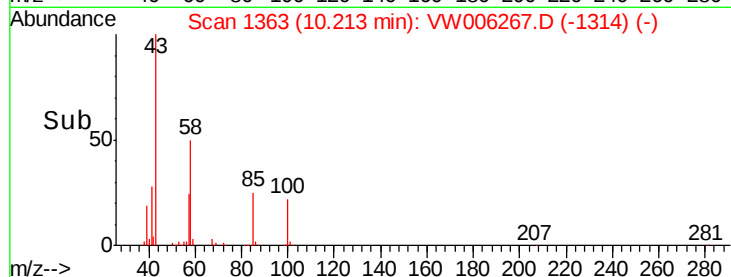
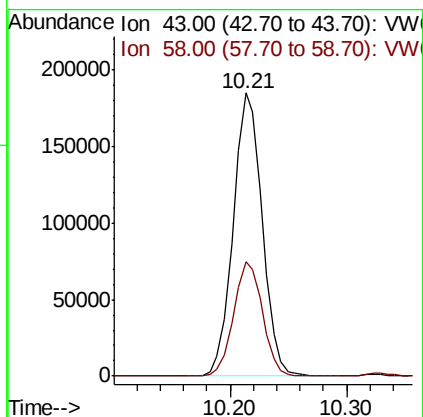
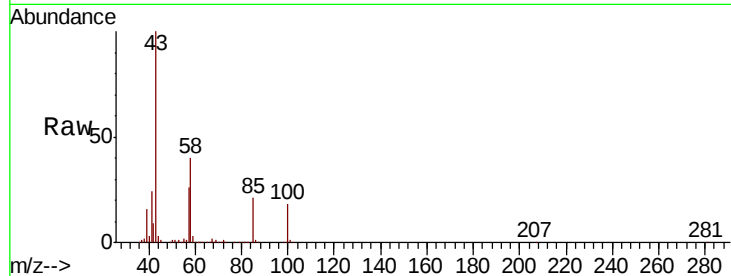
58 40.4 31.5 47.3

Manual Integrations

APPROVED

sam

10/24/2018 5:33:19 PM



#52

Toluene

Concen: 54.780 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006267.D

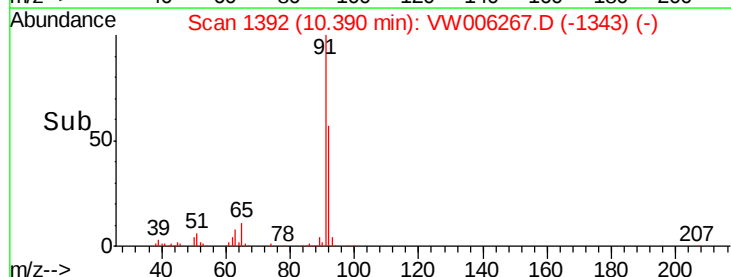
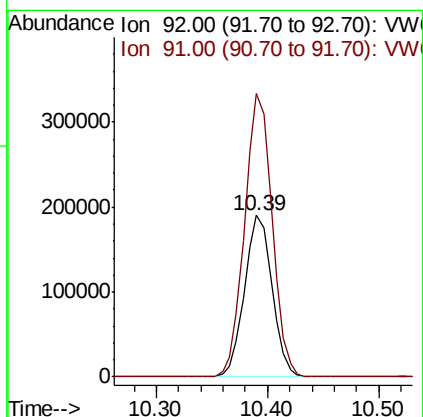
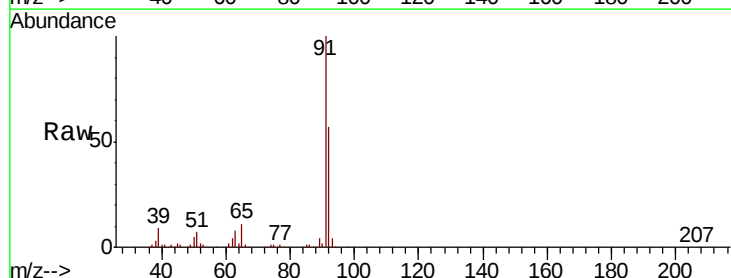
Acq: 22 Oct 2018 23:45

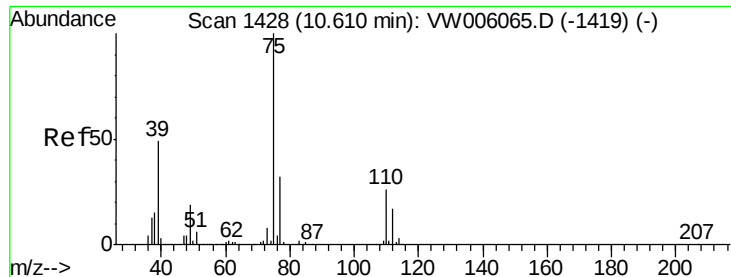
Tgt Ion: 92 Resp: 327910

Ion Ratio Lower Upper

92 100

91 175.1 140.0 210.0





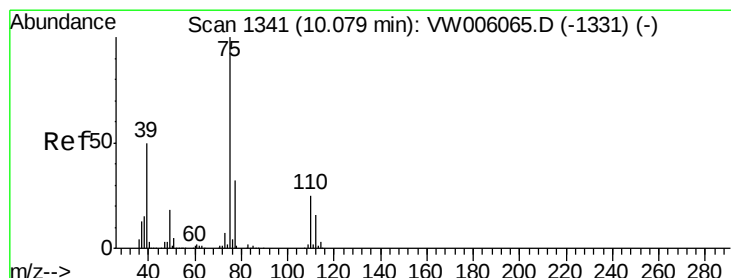
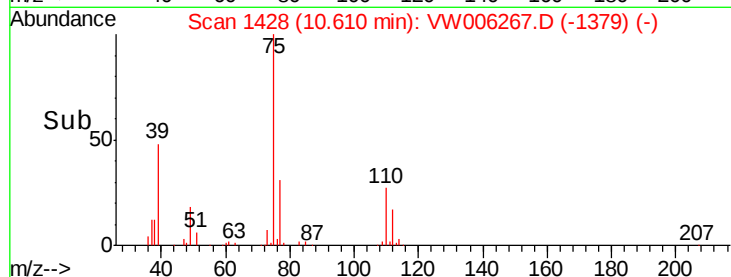
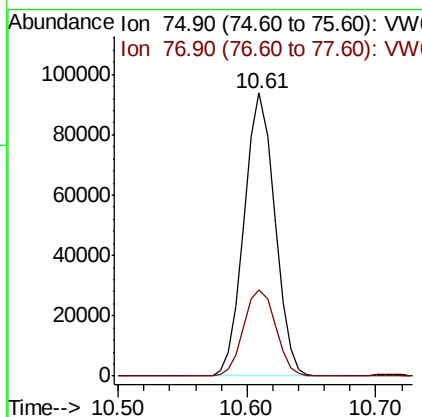
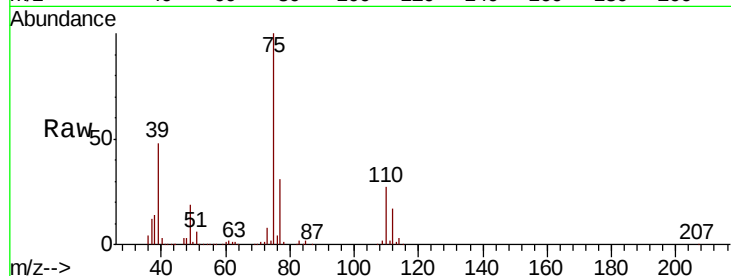
#53  
t-1,3-Dichloropropene  
Concen: 52.660 ug/l  
RT: 10.61 min Scan# 1428  
Delta R.T. 0.00 min  
Lab File: VW006267.D  
Acq: 22 Oct 2018 23:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 30.7  | 25.4  | 38.2  |

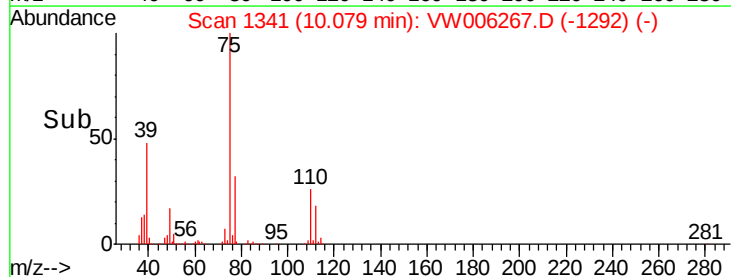
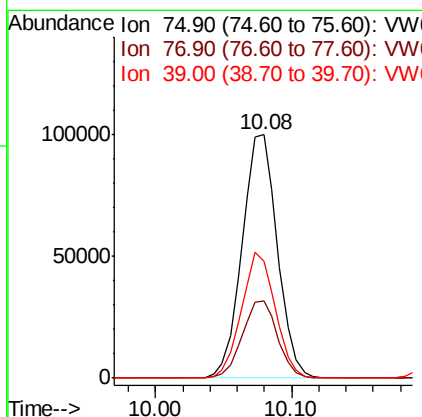
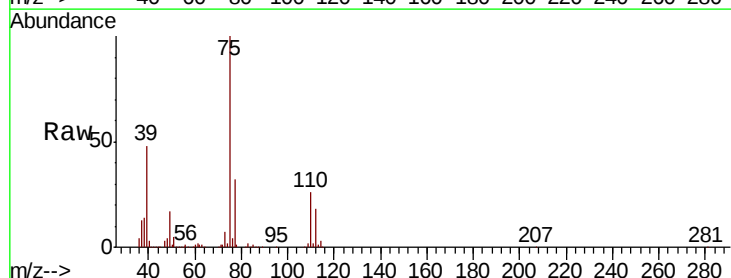
Manual Integrations  
APPROVED

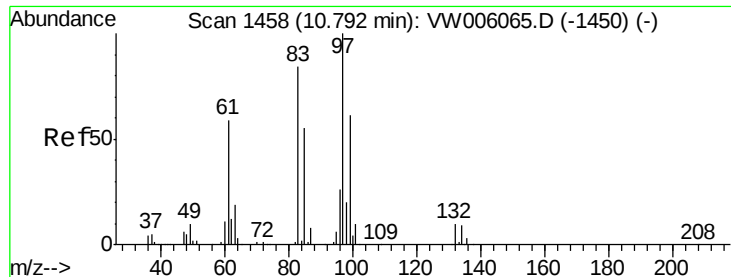
sam  
10/24/2018 5:33:19 PM



#54  
cis-1,3-Dichloropropene  
Concen: 53.587 ug/l  
RT: 10.08 min Scan# 1341  
Delta R.T. 0.00 min  
Lab File: VW006267.D  
Acq: 22 Oct 2018 23:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.5  | 25.2  | 37.8  |
| 39      | 48.1  | 39.9  | 59.9  |





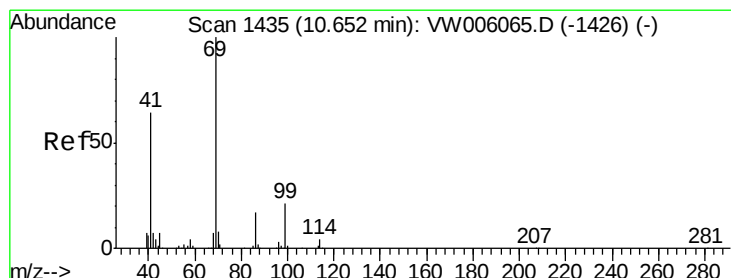
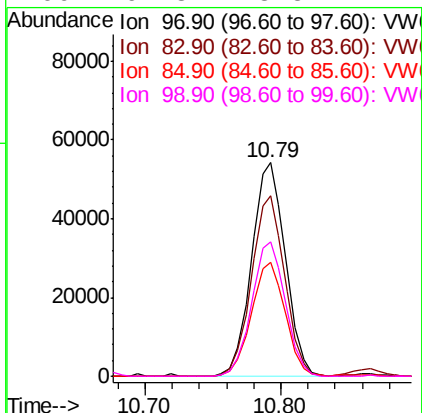
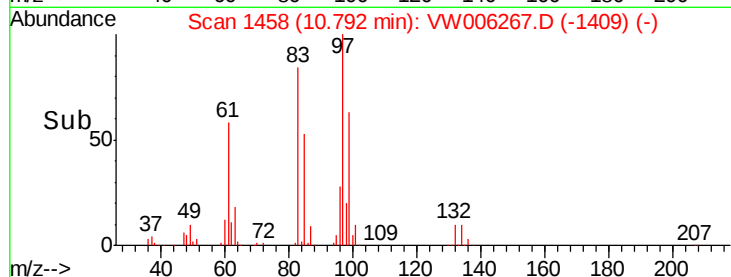
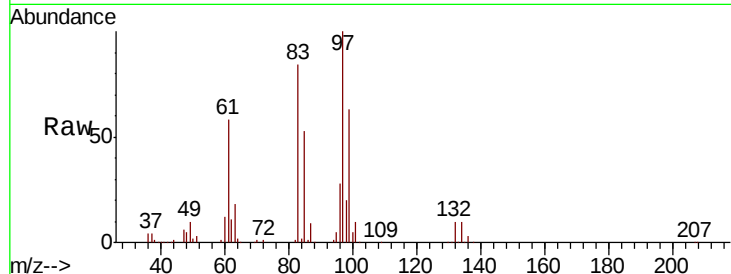
#55  
 1,1,2-Trichloroethane  
 Concen: 55.353 ug/l  
 RT: 10.79 min Scan# 1458  
 Delta R.T. 0.00 min  
 Lab File: VW006267.D  
 Acq: 22 Oct 2018 23:45

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 94326 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 84.4  | 67.2  | 100.8 |
| 85       | 53.2  | 43.7  | 65.5  |
| 99       | 62.8  | 48.5  | 72.7  |

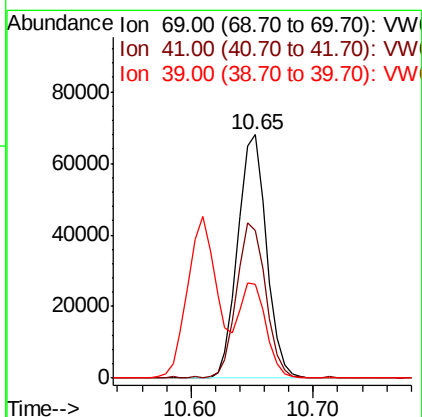
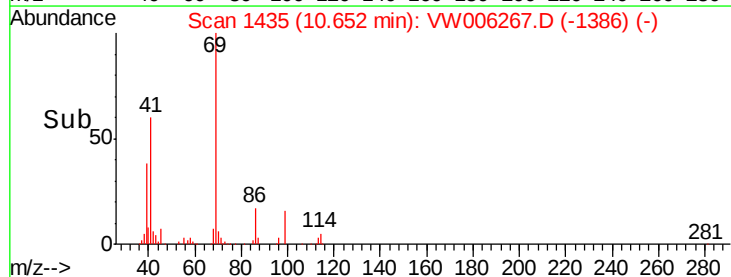
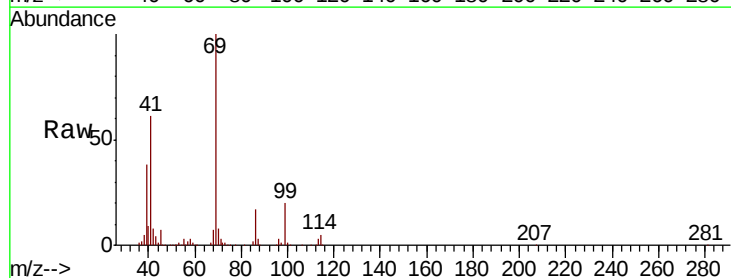
Manual Integrations  
 APPROVED

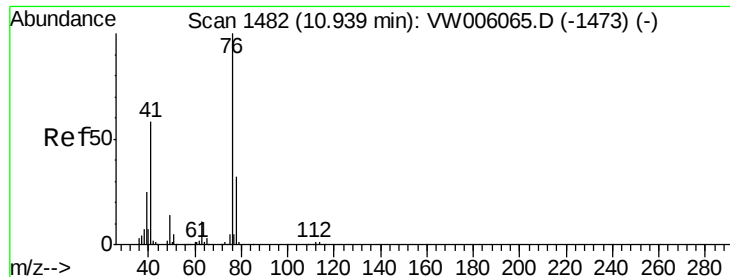
sam  
 10/24/2018 5:33:19 PM



#56  
 Ethyl methacrylate  
 Concen: 53.097 ug/l  
 RT: 10.65 min Scan# 1435  
 Delta R.T. 0.00 min  
 Lab File: VW006267.D  
 Acq: 22 Oct 2018 23:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 110924 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 64.0  | 52.8  | 79.2   |
| 39       | 34.8  | 30.6  | 45.8   |





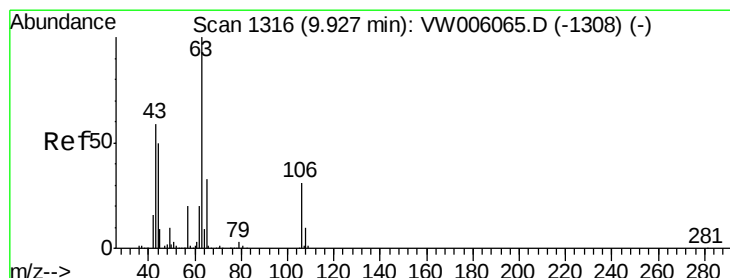
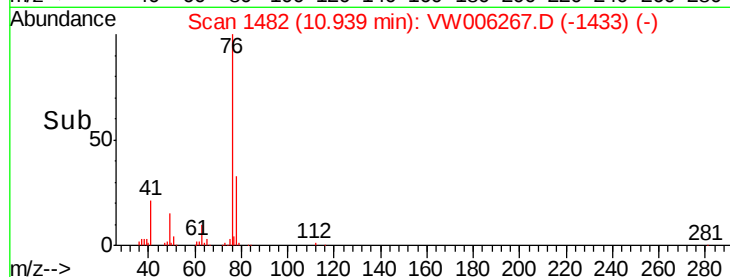
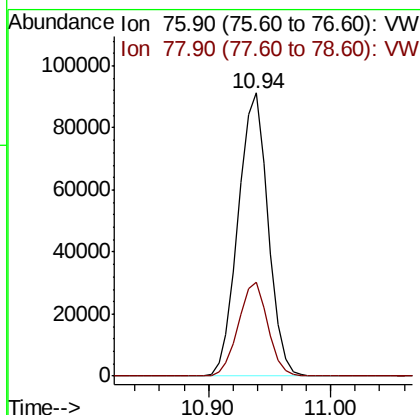
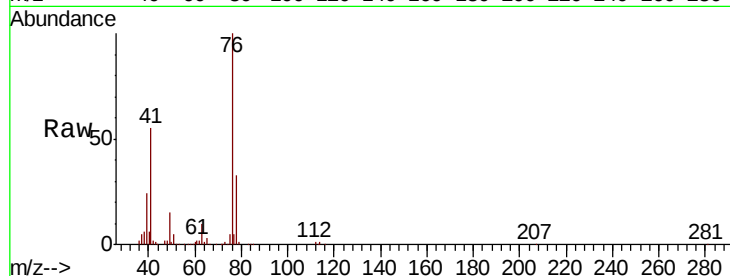
#57  
 1,3-Dichloropropane  
 Concen: 54.800 ug/l  
 RT: 10.94 min Scan# 1482  
 Delta R.T. 0.00 min  
 Lab File: VW006267.D  
 Acq: 22 Oct 2018 23:45

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 76 Resp: 154586  
 Ion Ratio Lower Upper  
 76 100  
 78 32.7 25.9 38.9

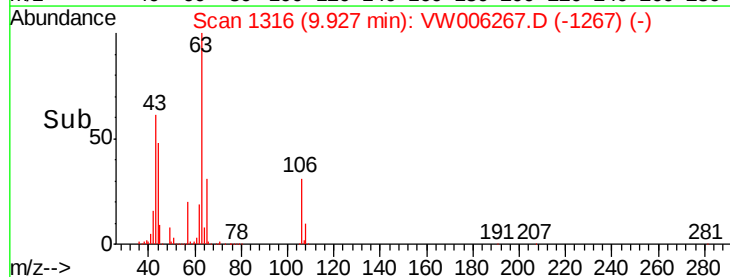
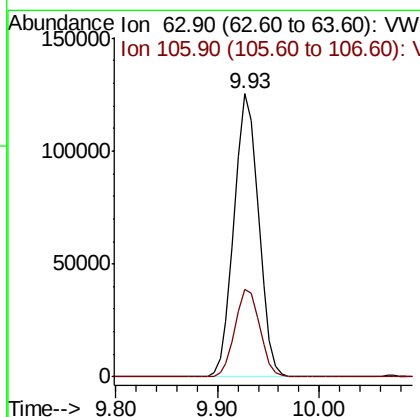
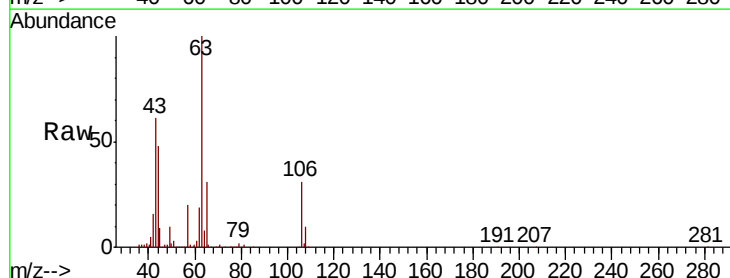
Manual Integrations  
 APPROVED

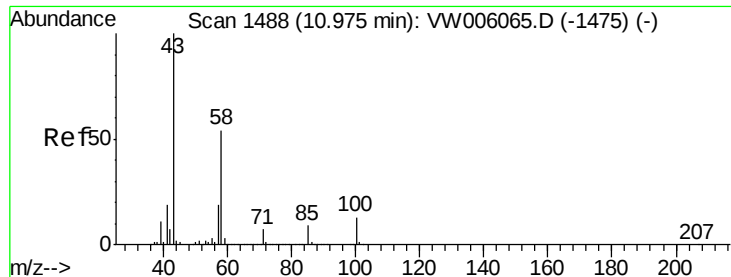
sam  
 10/24/2018 5:33:19 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 261.793 ug/l  
 RT: 9.93 min Scan# 1316  
 Delta R.T. 0.00 min  
 Lab File: VW006267.D  
 Acq: 22 Oct 2018 23:45

Tgt Ion: 63 Resp: 208977  
 Ion Ratio Lower Upper  
 63 100  
 106 31.2 24.5 36.7





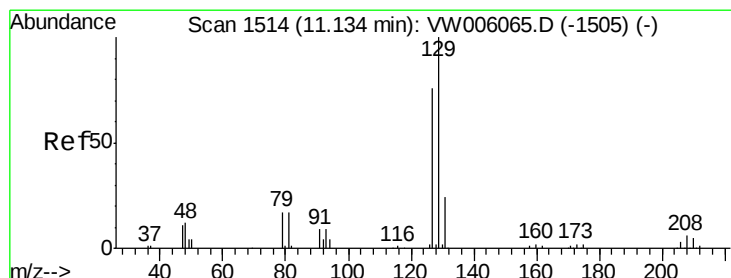
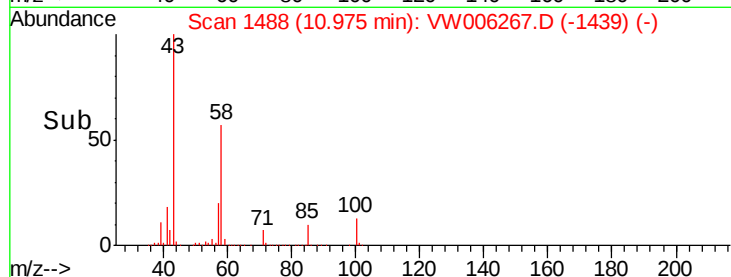
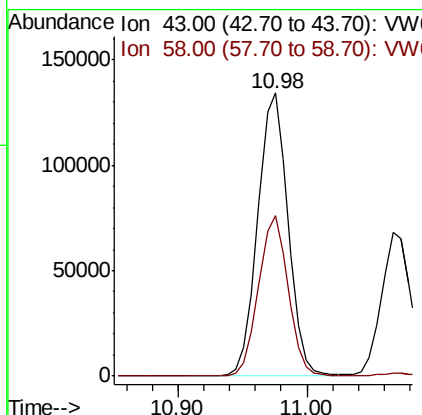
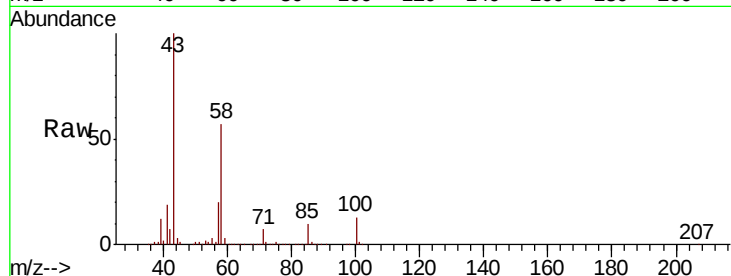
#59  
2-Hexanone  
Concen: 246.469 ug/l  
RT: 10.98 min Scan# 1488  
Delta R.T. 0.00 min  
Lab File: VW006267.D  
Acq: 22 Oct 2018 23:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

Tot Ion: 43 Resp: 217970  
Ion Ratio Lower Upper  
43 100  
58 55.6 26.9 80.6

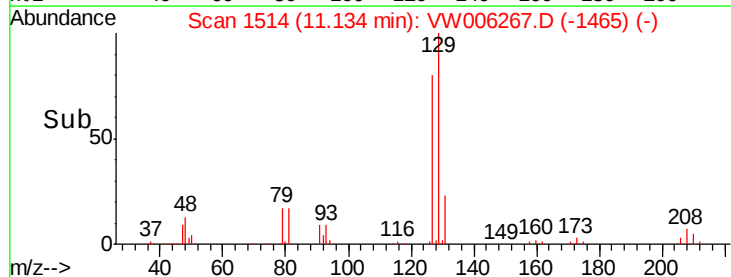
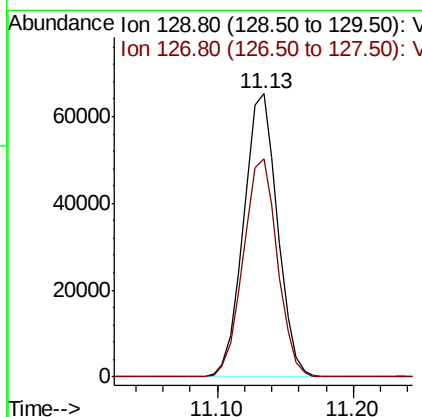
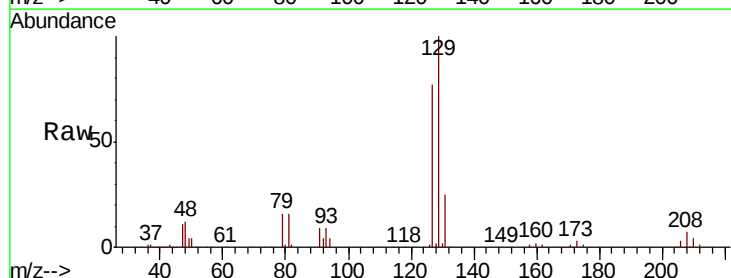
Manual Integrations  
APPROVED

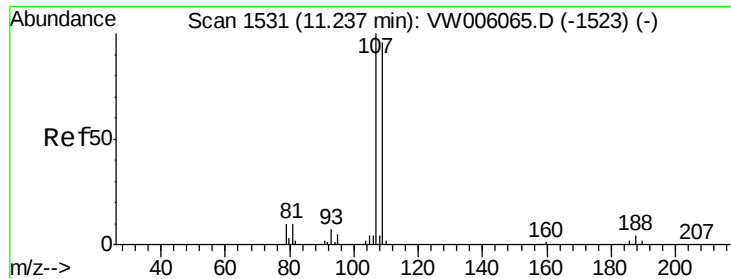
sam  
10/24/2018 5:33:19 PM



#60  
Dibromochloromethane  
Concen: 53.589 ug/l  
RT: 11.13 min Scan# 1514  
Delta R.T. 0.00 min  
Lab File: VW006267.D  
Acq: 22 Oct 2018 23:45

Tgt Ion: 129 Resp: 113747  
Ion Ratio Lower Upper  
129 100  
127 77.5 38.6 115.7





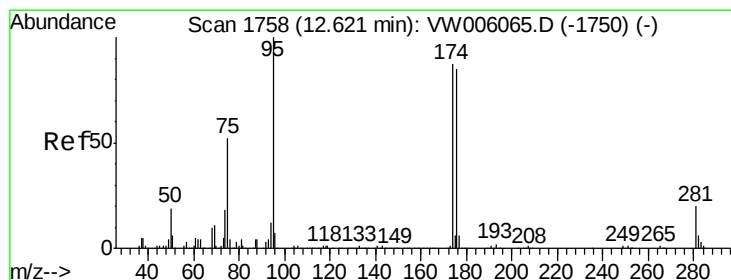
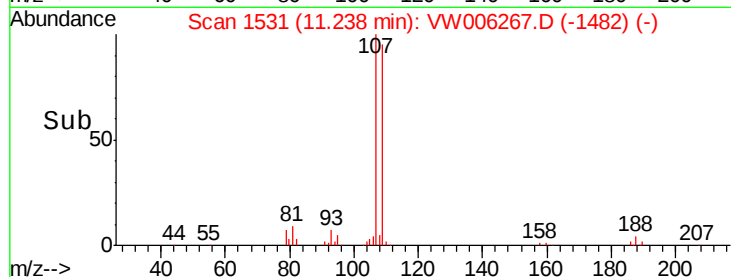
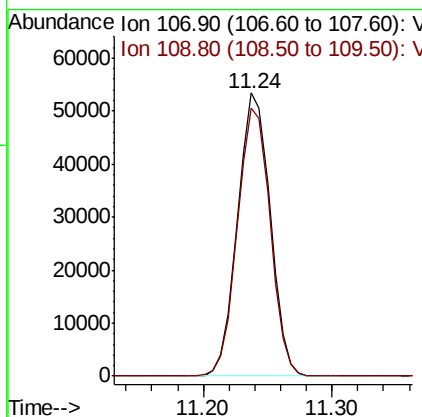
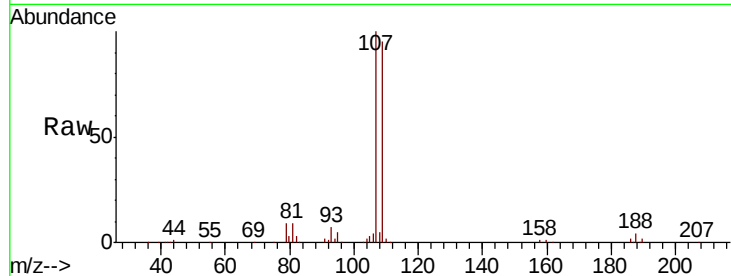
#61  
 1,2-Dibromoethane  
 Concen: 55.096 ug/l  
 RT: 11.24 min Scan# 1531  
 Delta R.T. 0.00 min  
 Lab File: VW006267.D  
 Acq: 22 Oct 2018 23:45

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 95.0  | 76.3  | 114.5 |

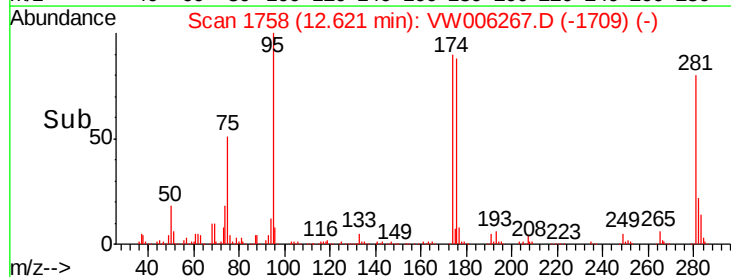
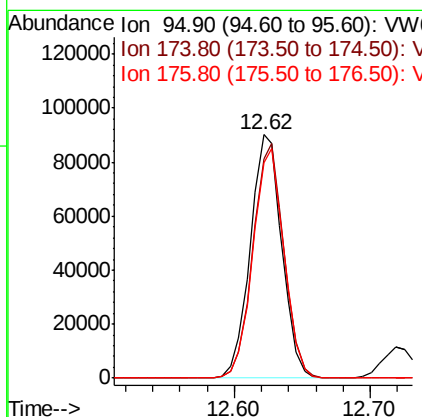
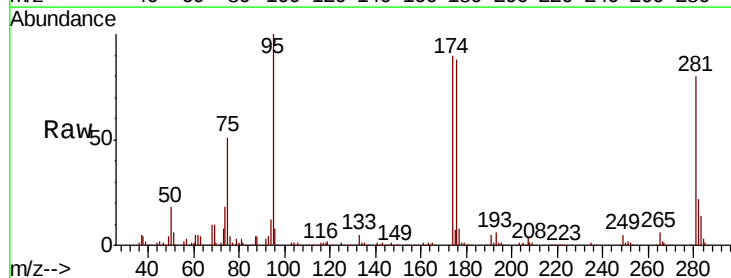
Manual Integrations  
 APPROVED

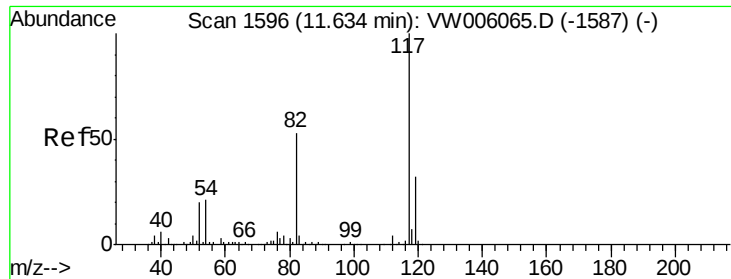
sam  
 10/24/2018 5:33:19 PM



#62  
 4-Bromofluorobenzene  
 Concen: 49.263 ug/l  
 RT: 12.62 min Scan# 1758  
 Delta R.T. 0.00 min  
 Lab File: VW006267.D  
 Acq: 22 Oct 2018 23:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 94.4  | 0.0   | 186.0 |
| 176     | 92.8  | 0.0   | 181.6 |





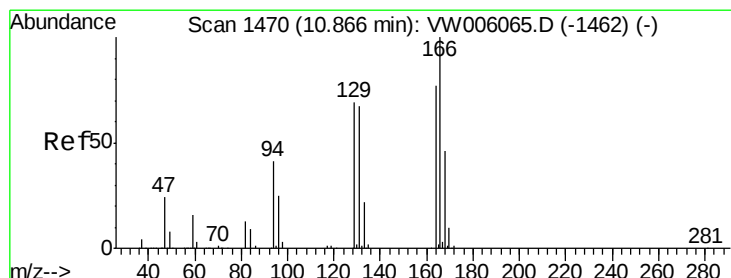
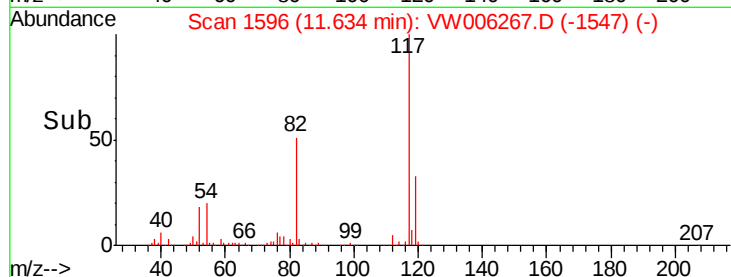
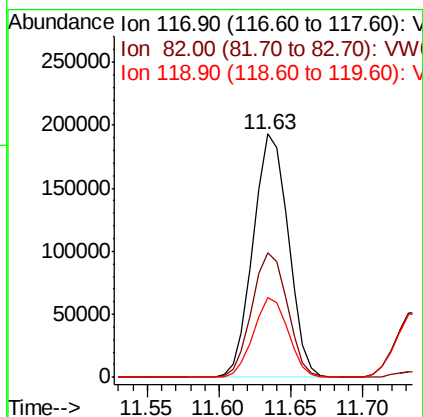
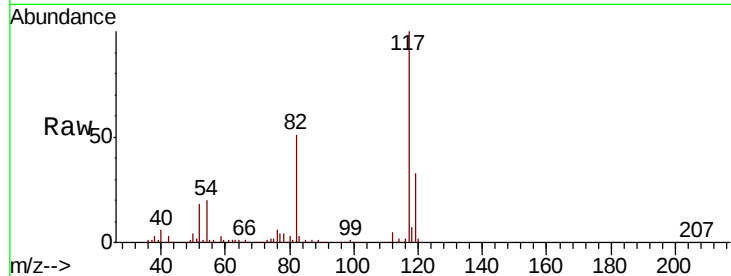
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW006267.D  
Acq: 22 Oct 2018 23:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 51.2  | 42.1  | 63.1  |
| 119     | 32.8  | 25.8  | 38.6  |

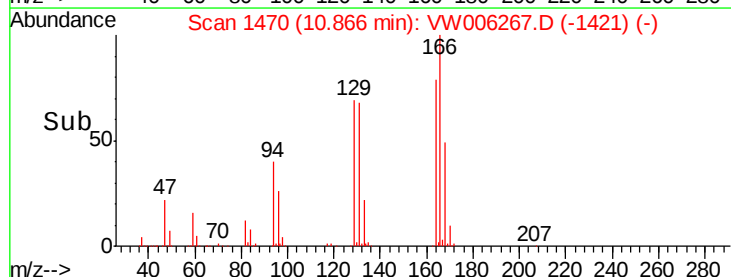
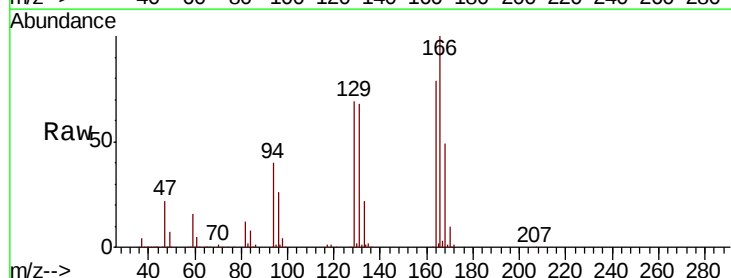
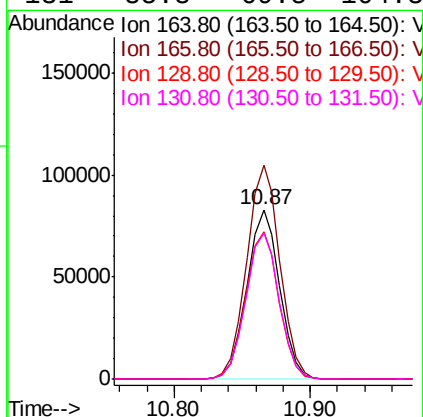
Manual Integrations  
APPROVED

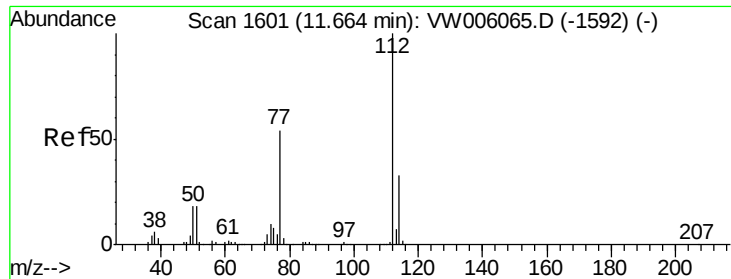
sam  
10/24/2018 5:33:19 PM



#64  
Tetrachloroethene  
Concen: 55.163 ug/l  
RT: 10.87 min Scan# 1470  
Delta R.T. 0.00 min  
Lab File: VW006267.D  
Acq: 22 Oct 2018 23:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 126.2 | 103.4 | 155.0 |
| 129     | 86.6  | 71.8  | 107.8 |
| 131     | 85.8  | 69.5  | 104.3 |





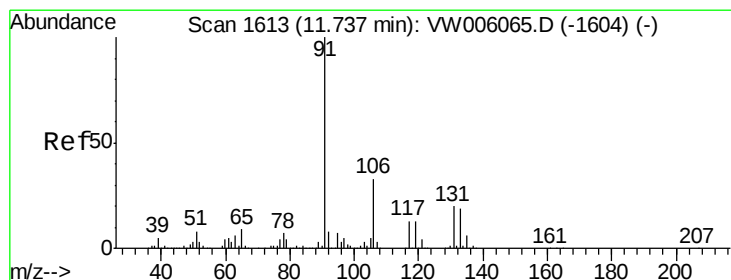
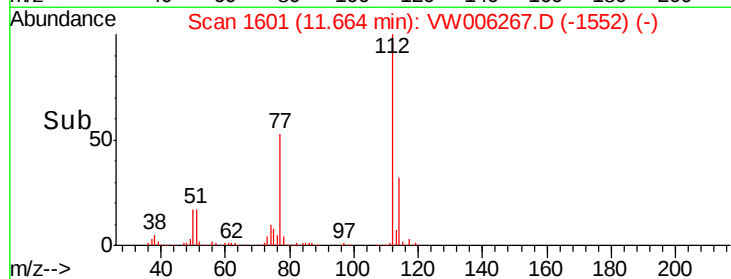
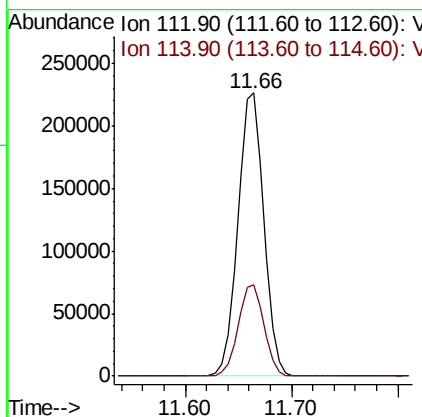
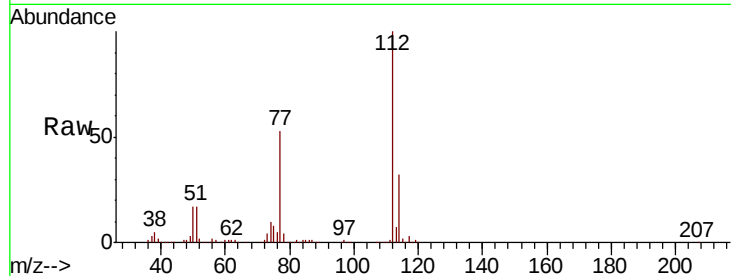
#65  
Chlorobenzene  
Concen: 54.965 ug/l  
RT: 11.66 min Scan# 1601  
Delta R.T. 0.00 min  
Lab File: VW006267.D  
Acq: 22 Oct 2018 23:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 32.2  | 26.2  | 39.2  |

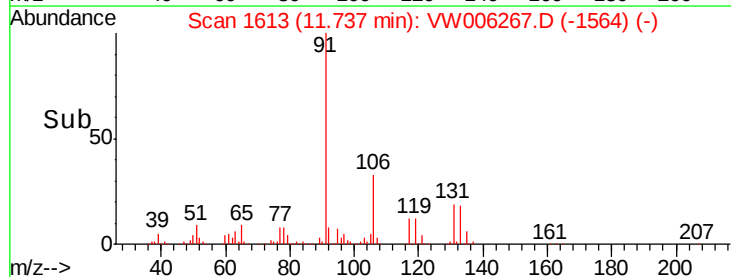
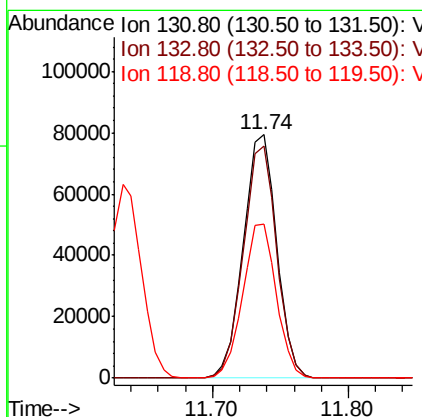
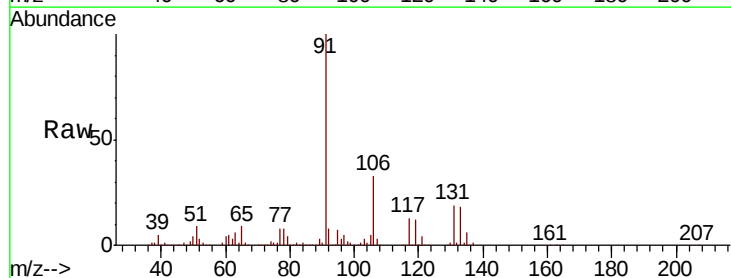
Manual Integrations  
APPROVED

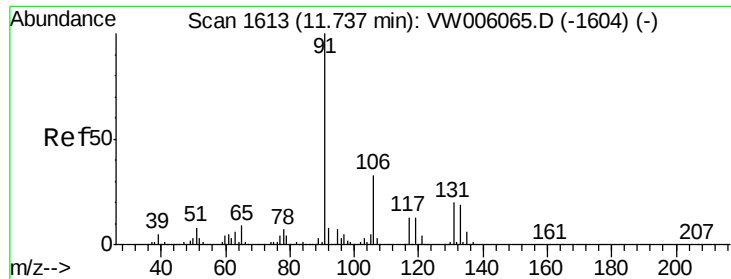
sam  
10/24/2018 5:33:19 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 54.835 ug/l  
RT: 11.74 min Scan# 1613  
Delta R.T. 0.00 min  
Lab File: VW006267.D  
Acq: 22 Oct 2018 23:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 95.2  | 48.1  | 144.3 |
| 119     | 63.6  | 31.6  | 94.7  |





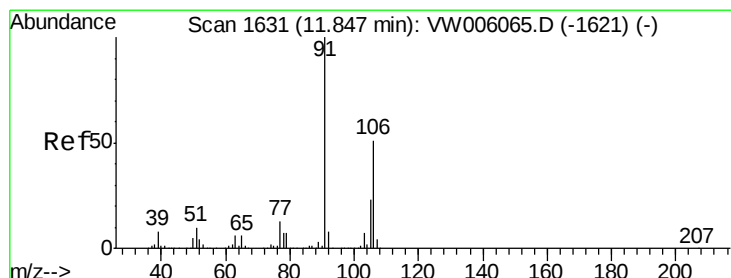
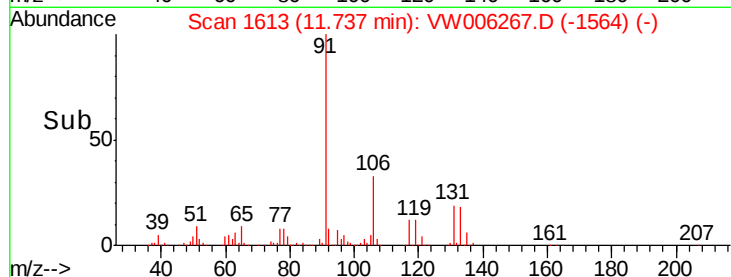
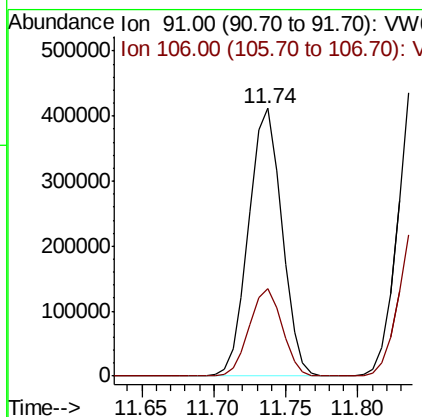
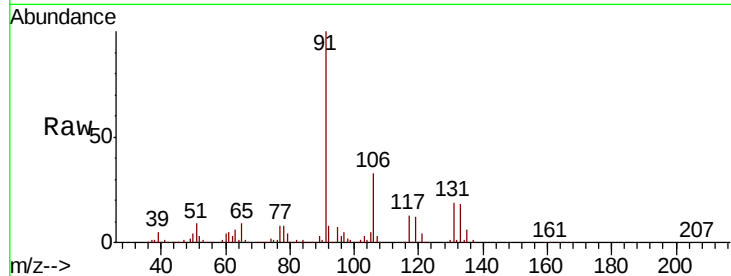
#67  
Ethyl Benzene  
Concen: 54.213 ug/l  
RT: 11.74 min Scan# 1613  
Delta R.T. 0.00 min  
Lab File: VW006267.D  
Acq: 22 Oct 2018 23:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

Tot Ion: 91 Resp: 658584  
Ion Ratio Lower Upper  
91 100  
106 32.7 26.1 39.1

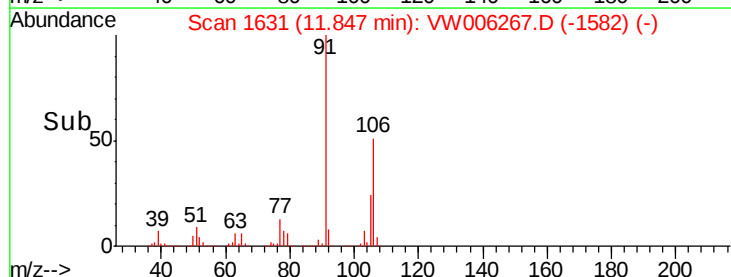
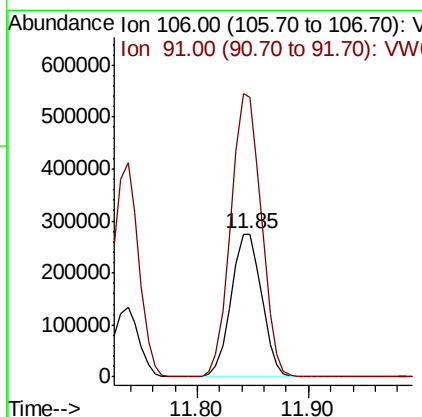
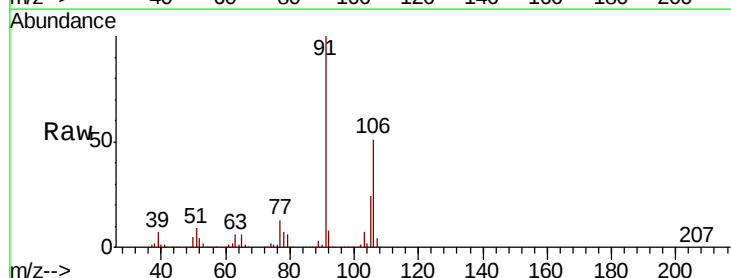
Manual Integrations  
APPROVED

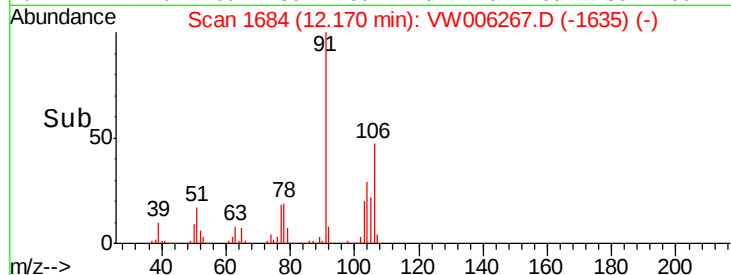
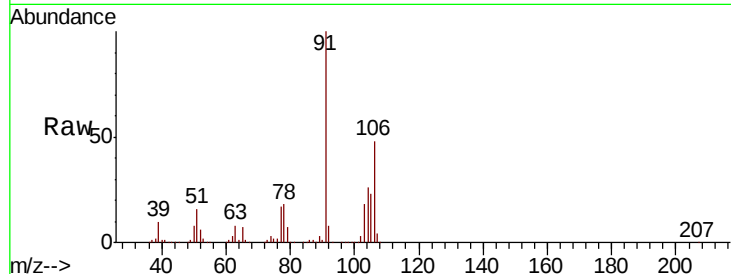
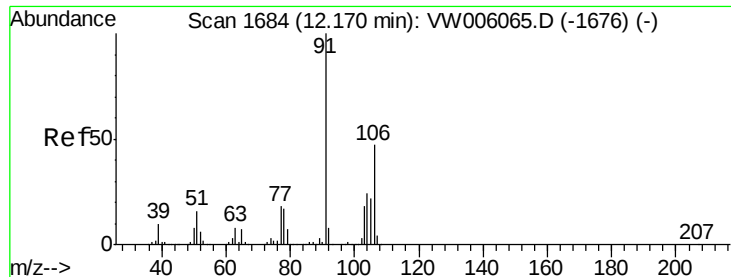
sam  
10/24/2018 5:33:19 PM



#68  
m/p-Xylenes  
Concen: 108.606 ug/l  
RT: 11.85 min Scan# 1631  
Delta R.T. 0.00 min  
Lab File: VW006267.D  
Acq: 22 Oct 2018 23:45

Tgt Ion: 106 Resp: 521477  
Ion Ratio Lower Upper  
106 100  
91 198.1 159.1 238.7





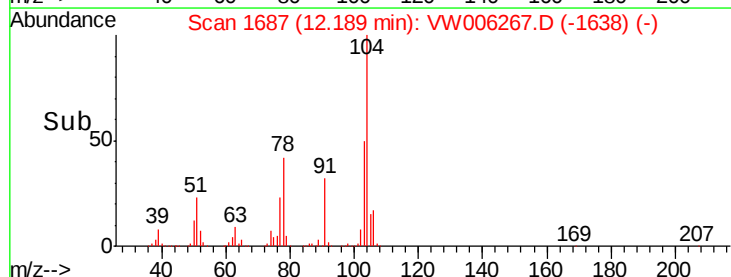
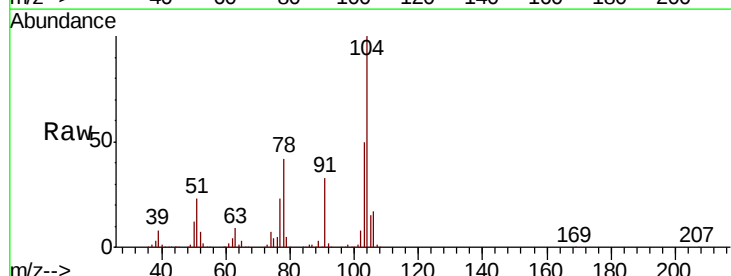
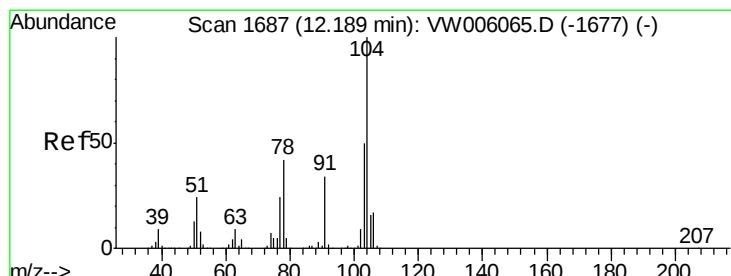
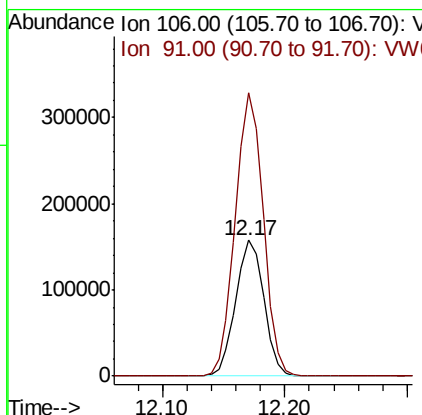
#69  
o-Xylene  
Concen: 54.966 ug/l  
RT: 12.17 min Scan# 1684  
Delta R.T. 0.00 min  
Lab File: VW006267.D  
Acq: 22 Oct 2018 23:45

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 207.3 | 105.4 | 316.1 |

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

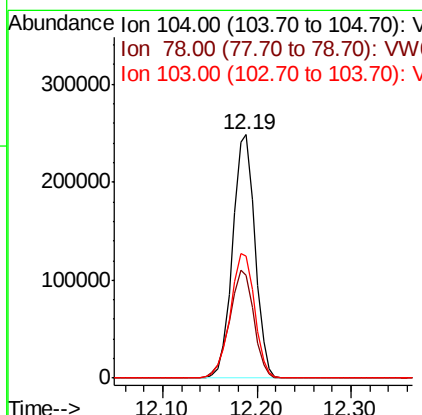
Manual Integrations  
APPROVED

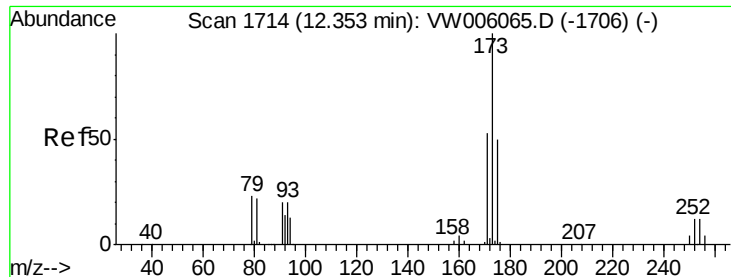
Sam  
10/24/2018 5:33:19 PM



#70  
Styrene  
Concen: 54.927 ug/l  
RT: 12.19 min Scan# 1687  
Delta R.T. 0.00 min  
Lab File: VW006267.D  
Acq: 22 Oct 2018 23:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 48.3  | 39.1  | 58.7  |
| 103     | 55.5  | 44.3  | 66.5  |





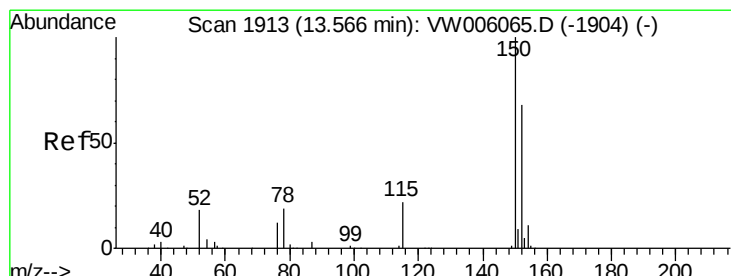
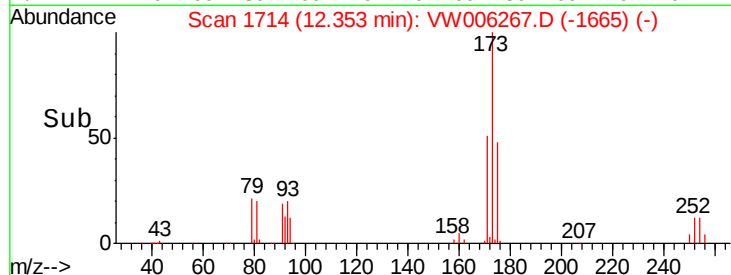
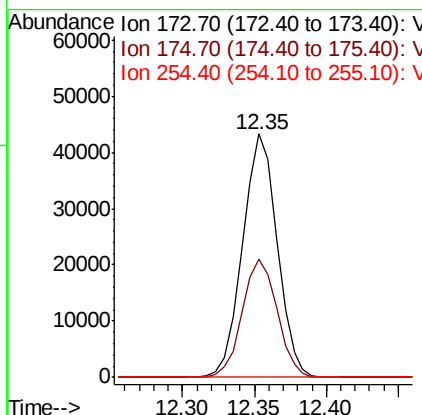
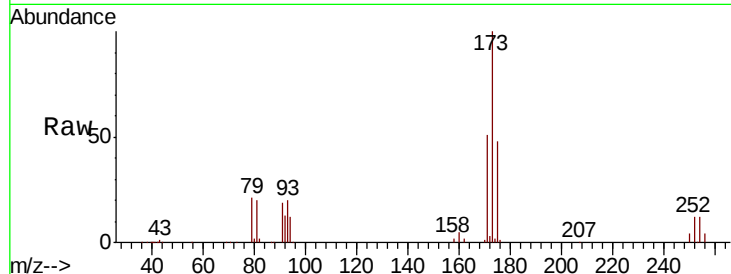
#71  
Bromoform  
Concen: 51.664 ug/l  
RT: 12.35 min Scan# 1714  
Delta R.T. 0.00 min  
Lab File: VW006267.D  
Acq: 22 Oct 2018 23:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.0  | 24.2  | 72.6  |
| 254     | 0.0   | 0.1   | 0.1#  |

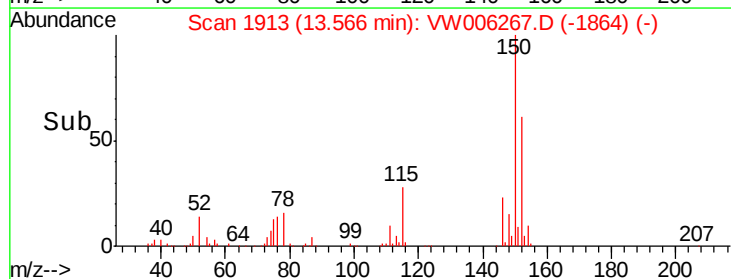
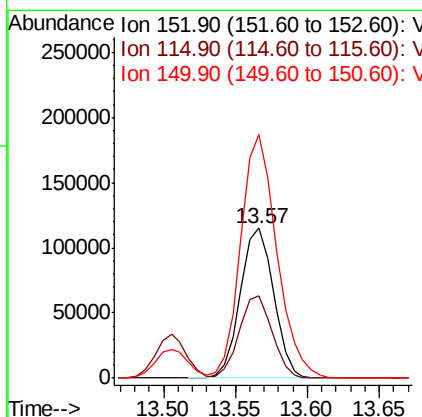
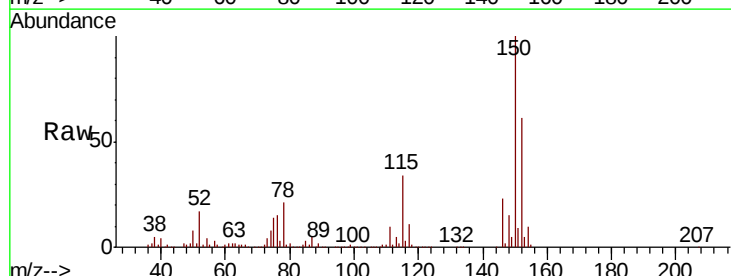
Manual Integrations  
APPROVED

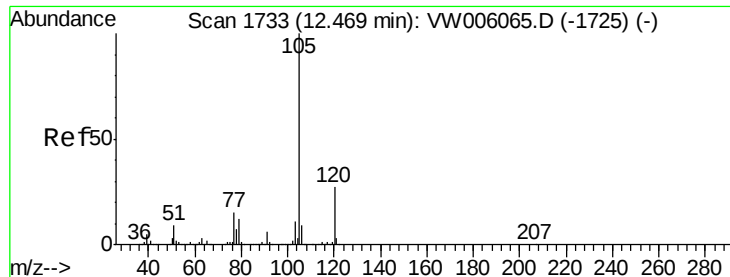
sam  
10/24/2018 5:33:19 PM



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.57 min Scan# 1913  
Delta R.T. 0.00 min  
Lab File: VW006267.D  
Acq: 22 Oct 2018 23:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 54.3  | 27.8  | 83.3  |
| 150     | 175.4 | 0.0   | 349.2 |





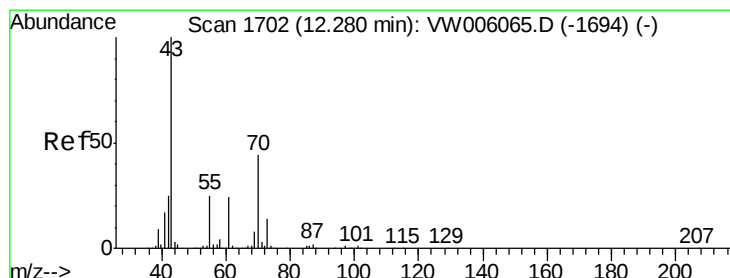
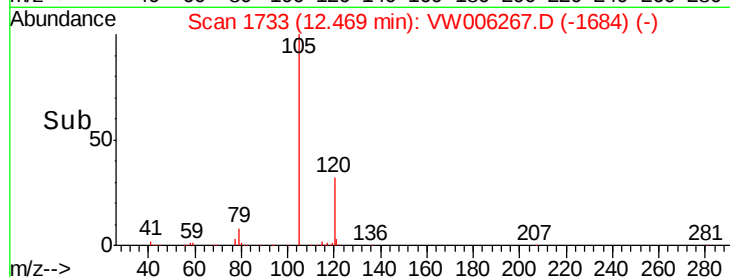
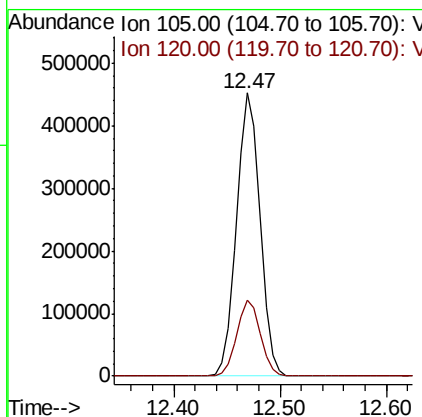
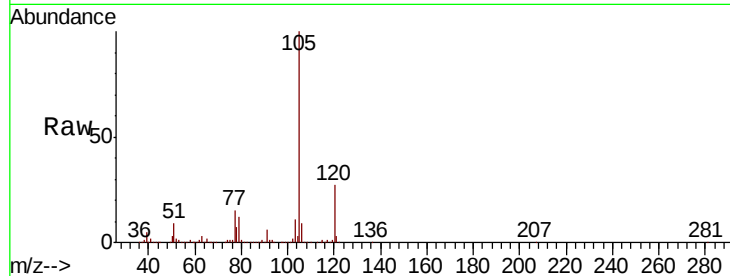
#73  
Isopropylbenzene  
Concen: 53.721 ug/l  
RT: 12.47 min Scan# 1733  
Delta R.T. 0.00 min  
Lab File: VW006267.D  
Acq: 22 Oct 2018 23:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 26.9  | 13.6  | 40.7  |

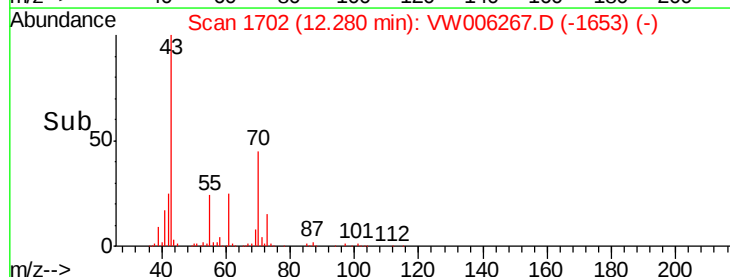
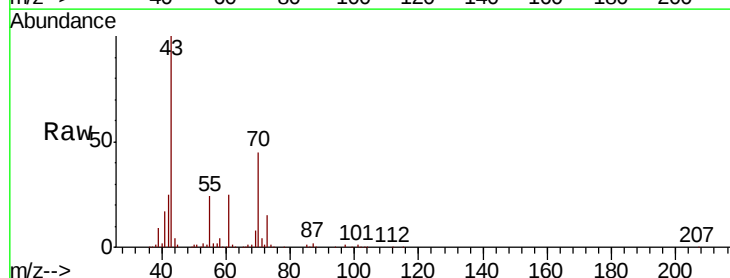
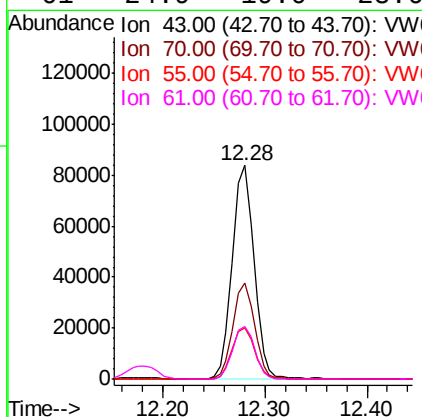
Manual Integrations  
APPROVED

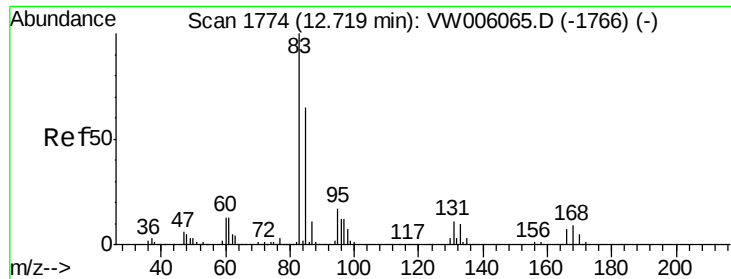
sam  
10/24/2018 5:33:19 PM



#74  
N-ethyl acetate  
Concen: 48.992 ug/l  
RT: 12.28 min Scan# 1702  
Delta R.T. 0.00 min  
Lab File: VW006267.D  
Acq: 22 Oct 2018 23:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 70      | 44.6  | 34.2  | 51.4  |
| 55      | 24.8  | 19.2  | 28.8  |
| 61      | 24.9  | 19.0  | 28.6  |





#75

1,1,2,2-Tetrachloroethane

Concen: 54.462 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

Instrument :

MSVOA\_W

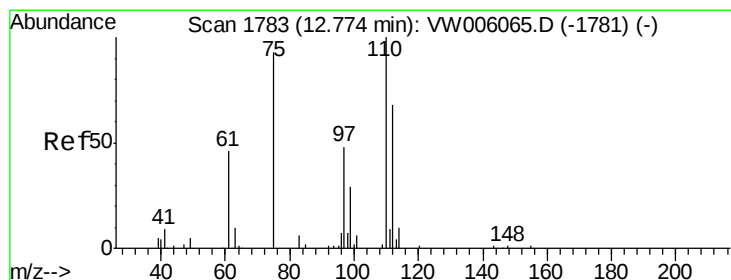
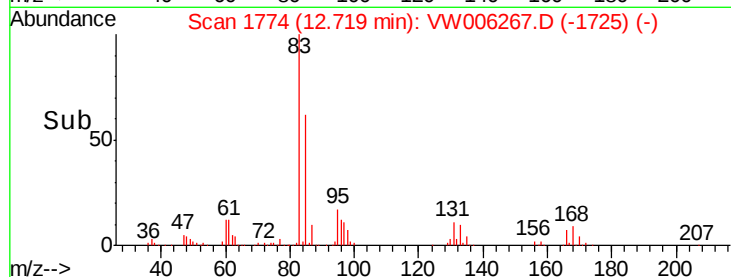
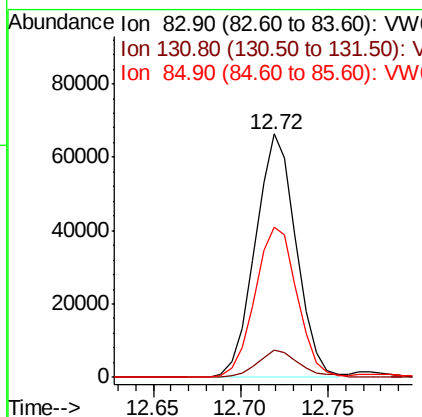
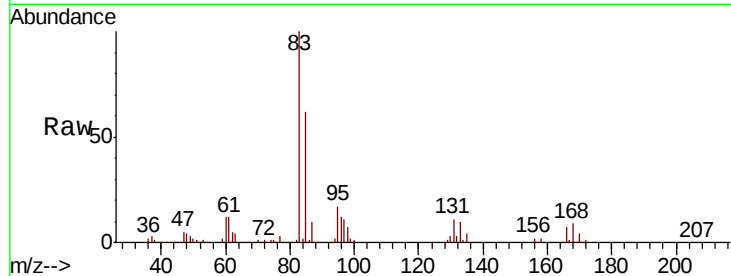
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 108188 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 11.7  | 5.9   | 17.7   |
| 85        | 63.7  | 31.9  | 95.9   |

Manual Integrations  
APPROVED

sam  
10/24/2018 5:33:19 PM



#76

1,2,3-Trichloropropane

Concen: 48.567 ug/l m

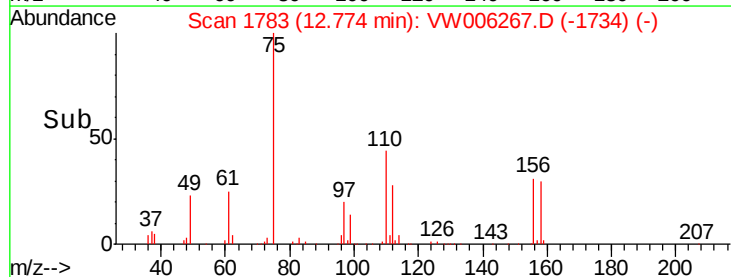
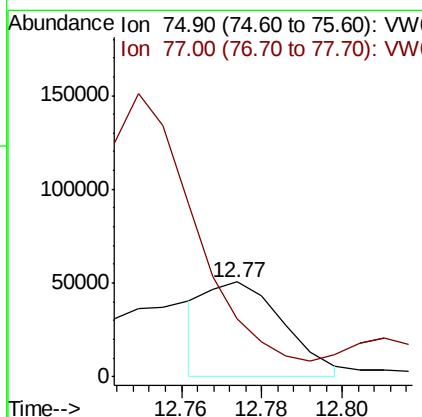
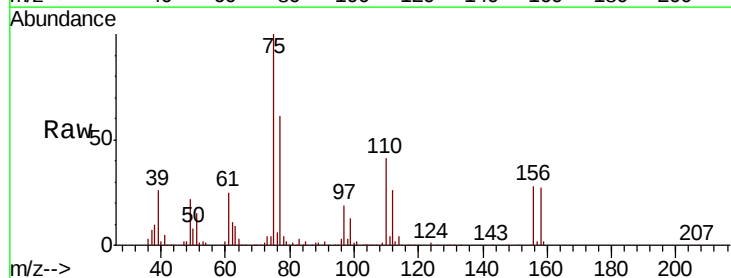
RT: 12.77 min Scan# 1783

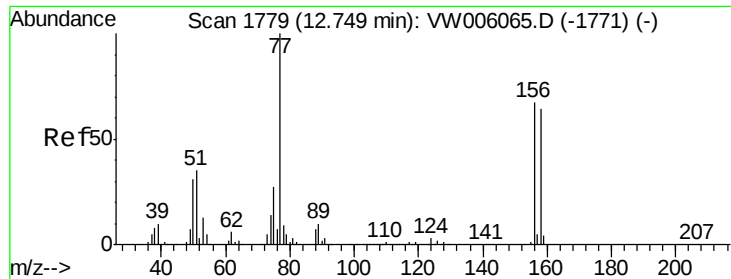
Delta R.T. 0.00 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 68581 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





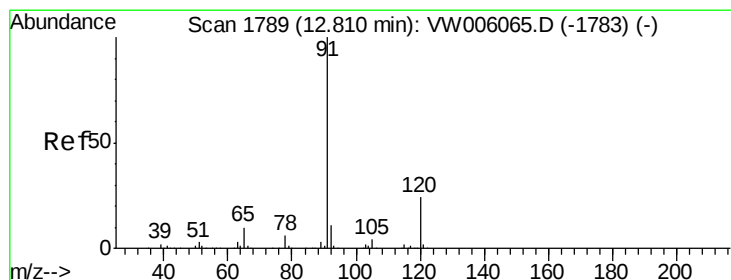
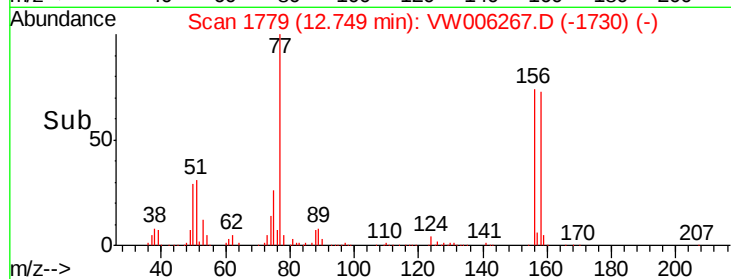
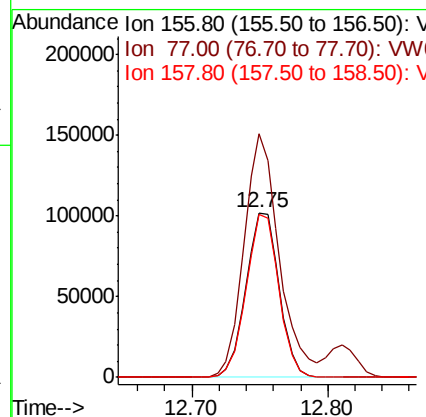
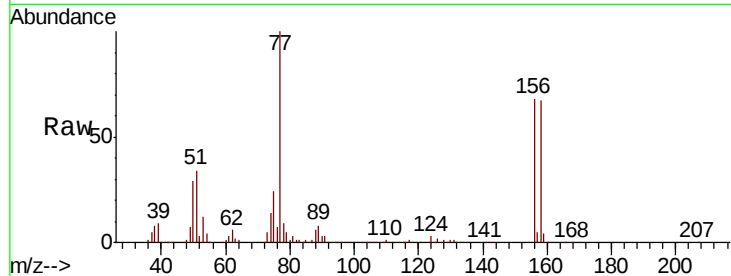
#77  
Bromobenzene  
Concen: 54.125 ug/l  
RT: 12.75 min Scan# 1779  
Delta R.T. 0.00 min  
Lab File: VW006267.D  
Acq: 22 Oct 2018 23:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 156     | 100   |       |       |       |
| 77      | 157.1 | 79.1  | 237.4 |       |
| 158     | 97.7  | 48.5  | 145.6 |       |

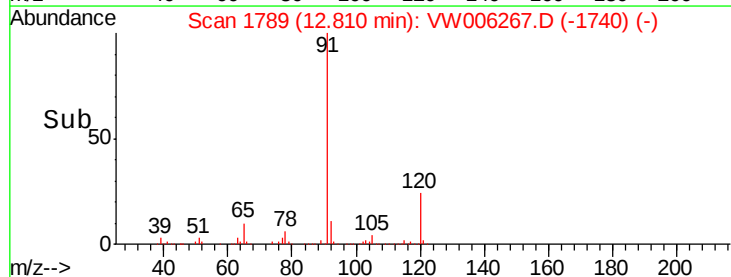
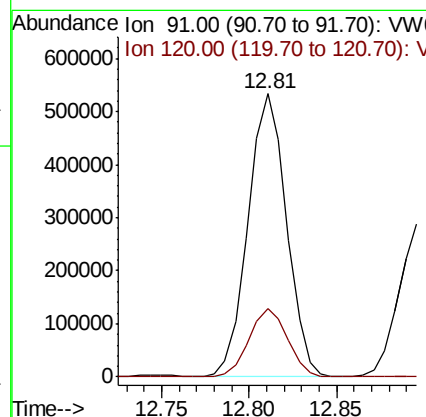
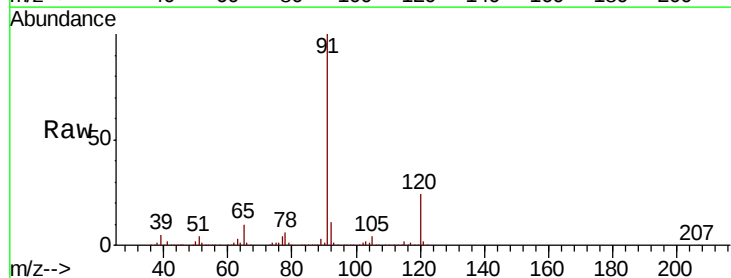
Manual Integrations  
APPROVED

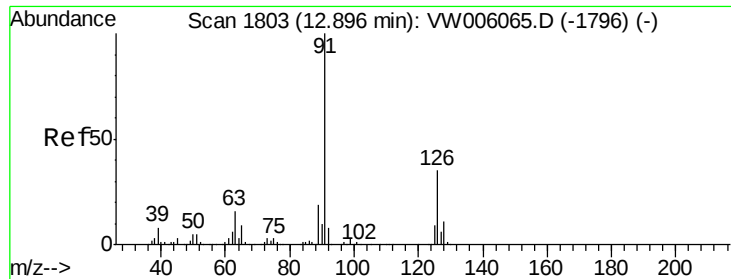
sam  
10/24/2018 5:33:19 PM



#78  
n-propylbenzene  
Concen: 53.641 ug/l  
RT: 12.81 min Scan# 1789  
Delta R.T. 0.00 min  
Lab File: VW006267.D  
Acq: 22 Oct 2018 23:45

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 91      | 100  |       |       |       |
| 120     | 24.2 | 12.2  | 36.6  |       |





#79

2-Chlorotoluene

Concen: 54.357 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 464078

Ion Ratio Lower Upper

91 100

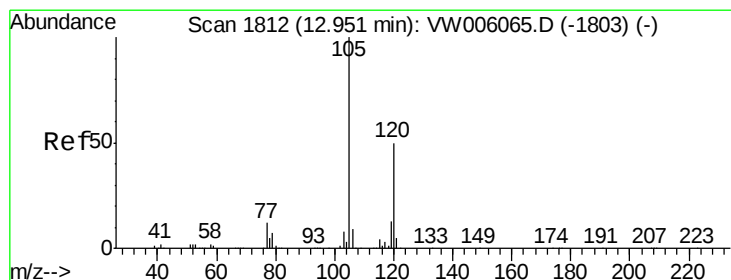
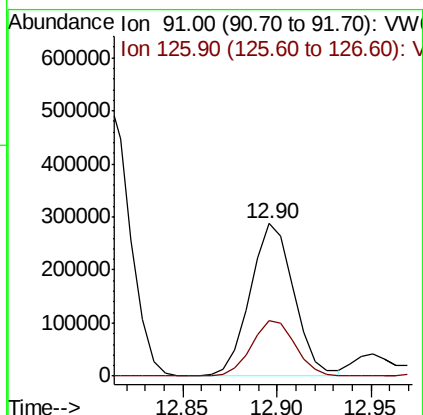
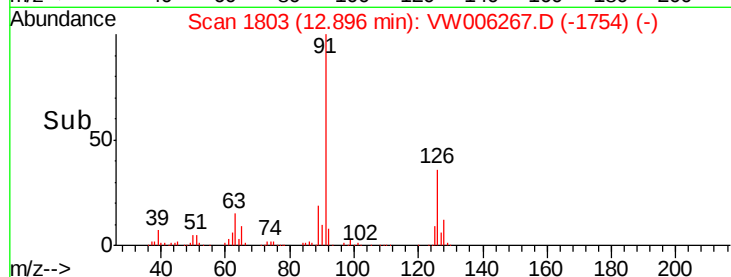
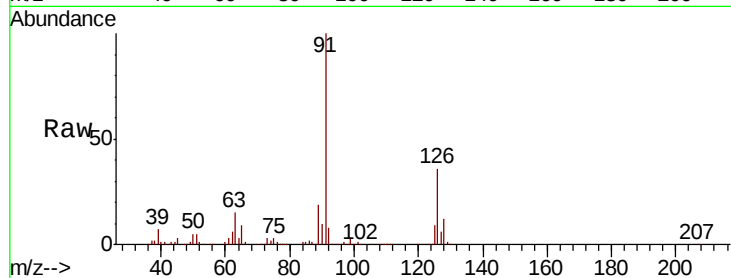
126 36.2 17.9 53.8

Manual Integrations

APPROVED

sam

10/24/2018 5:33:19 PM



#80

1,3,5-Trimethylbenzene

Concen: 53.715 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW006267.D

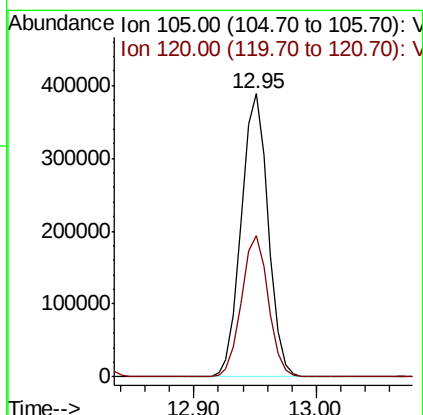
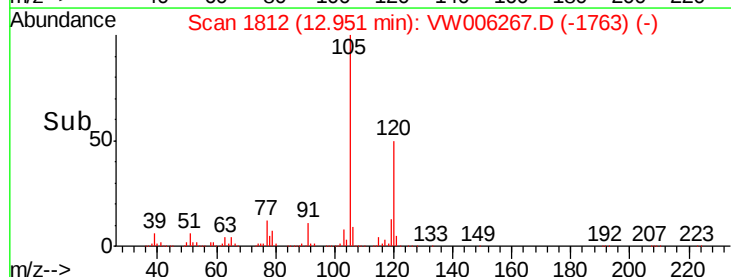
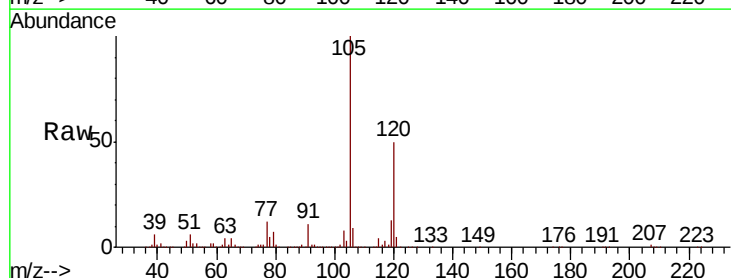
Acq: 22 Oct 2018 23:45

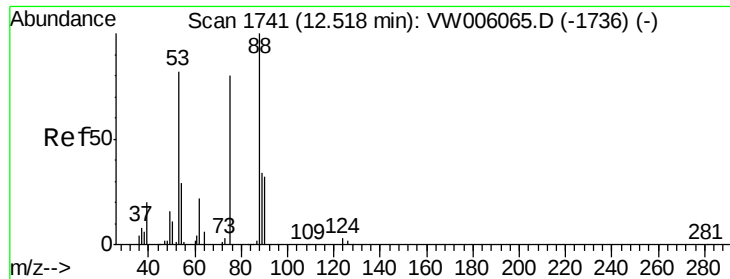
Tgt Ion:105 Resp: 591439

Ion Ratio Lower Upper

105 100

120 49.7 24.9 74.6





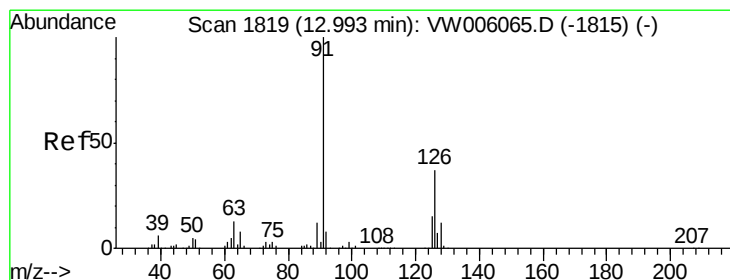
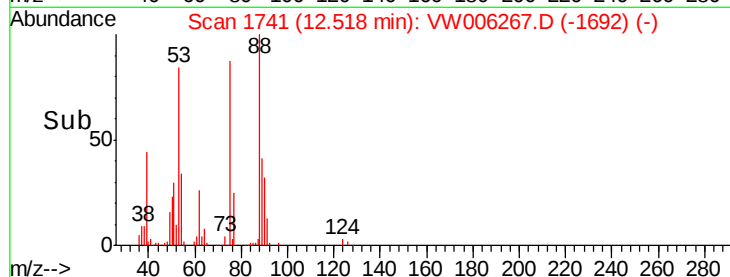
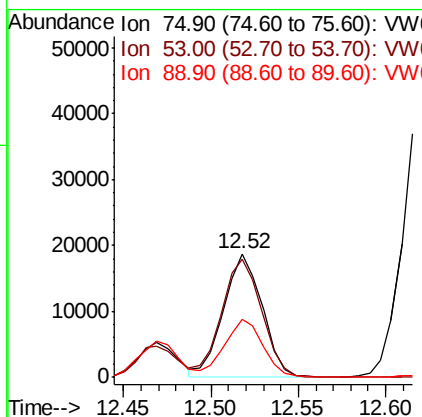
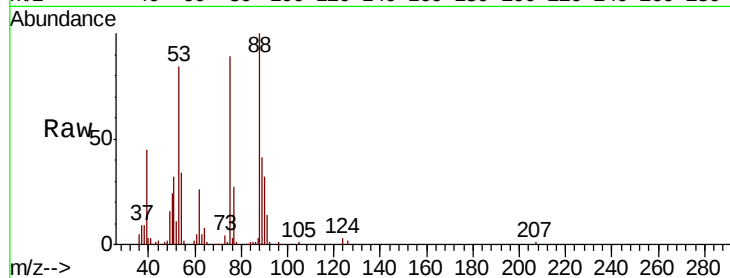
#81  
trans-1,4-Dichloro-2-butene  
Concen: 48.542 ug/l  
RT: 12.52 min Scan# 1741  
Delta R.T. 0.00 min  
Lab File: VW006267.D  
Acq: 22 Oct 2018 23:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 100.0 | 79.8  | 119.6 |
| 89      | 46.7  | 37.5  | 56.3  |

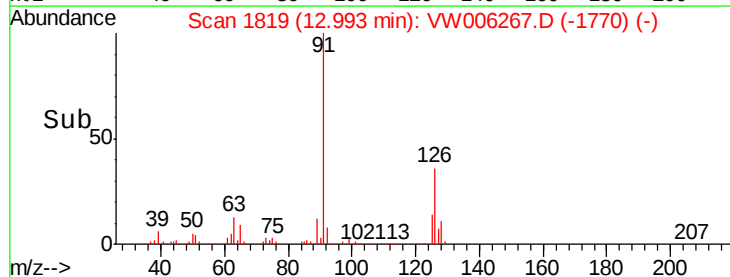
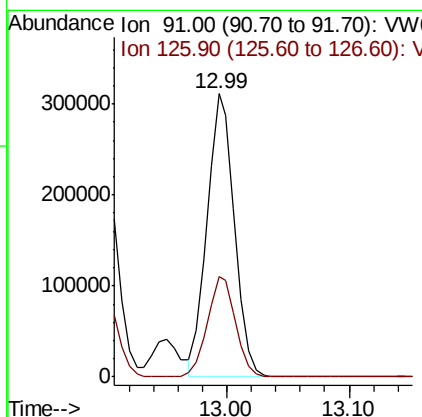
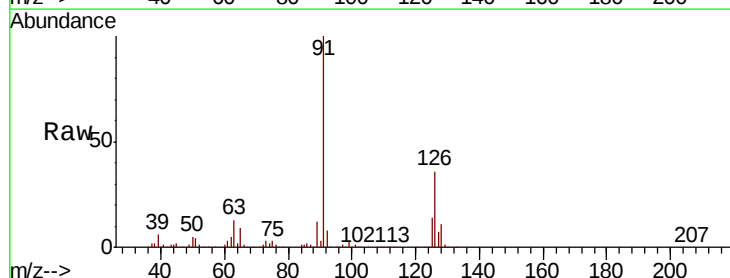
Manual Integrations  
APPROVED

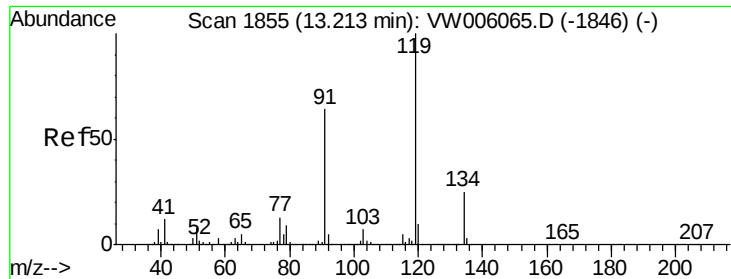
sam  
10/24/2018 5:33:19 PM



#82  
4-Chlorotoluene  
Concen: 54.055 ug/l  
RT: 12.99 min Scan# 1819  
Delta R.T. 0.00 min  
Lab File: VW006267.D  
Acq: 22 Oct 2018 23:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 36.5  | 18.1  | 54.3  |





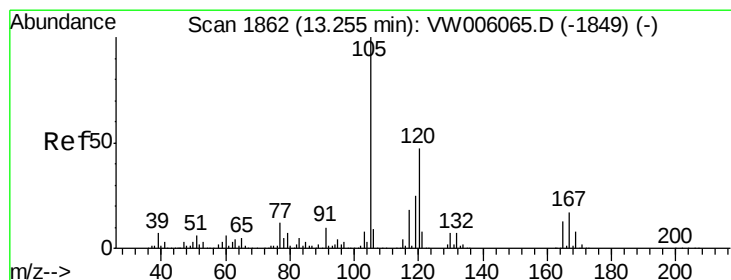
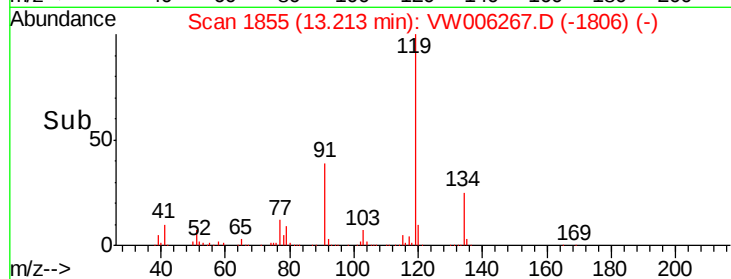
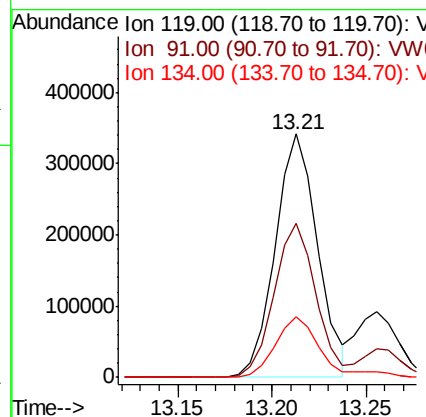
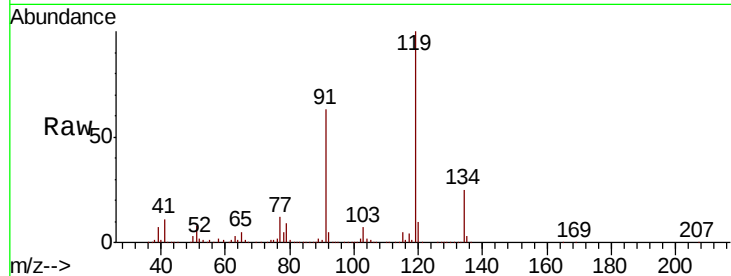
#83  
tert-Butylbenzene  
Concen: 53.961 ug/l  
RT: 13.21 min Scan# 1855  
Delta R.T. 0.00 min  
Lab File: VW006267.D  
Acq: 22 Oct 2018 23:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 62.2  | 32.3  | 96.9  |
| 134     | 26.9  | 13.6  | 40.8  |

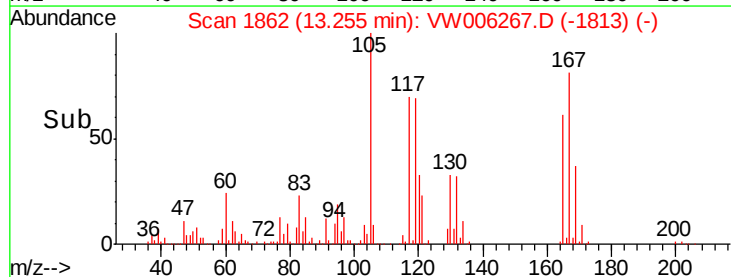
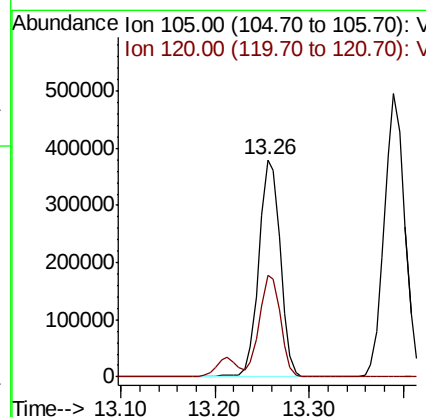
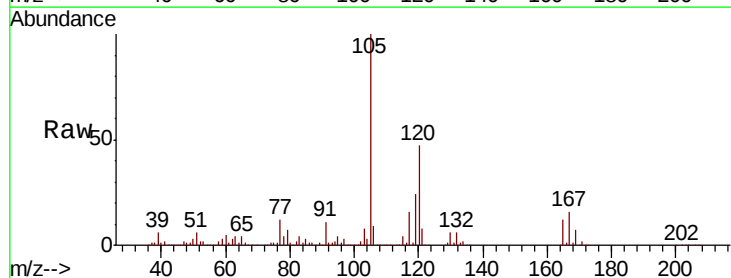
Manual Integrations  
APPROVED

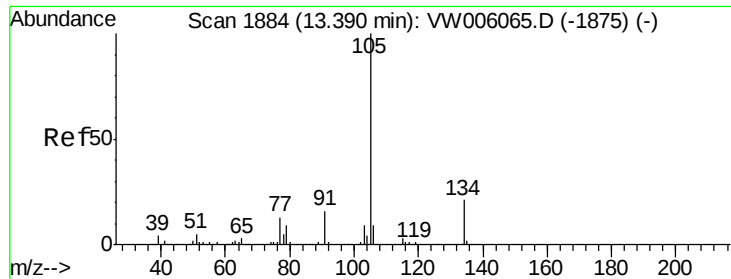
sam  
10/24/2018 5:33:19 PM



#84  
1,2,4-Trimethylbenzene  
Concen: 54.120 ug/l  
RT: 13.26 min Scan# 1862  
Delta R.T. 0.00 min  
Lab File: VW006267.D  
Acq: 22 Oct 2018 23:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 46.0  | 23.1  | 69.3  |





#85

sec-Butylbenzene

Concen: 53.682 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 747095

Ion Ratio Lower Upper

105 100

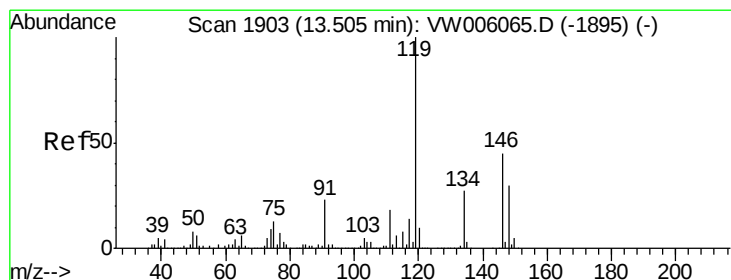
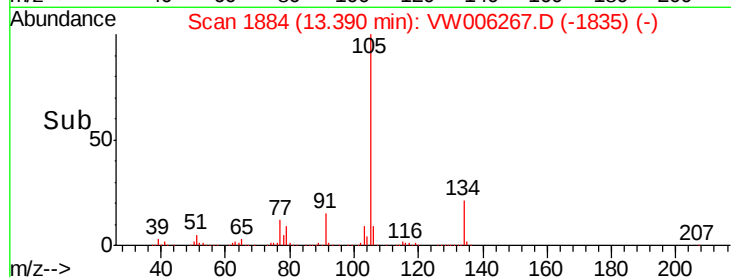
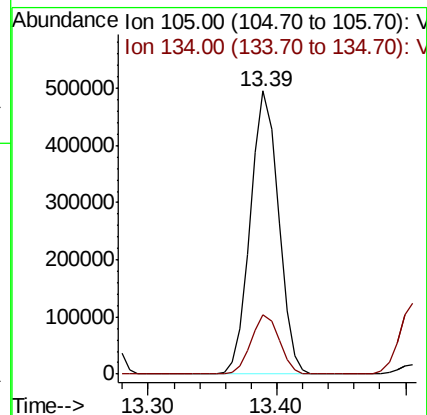
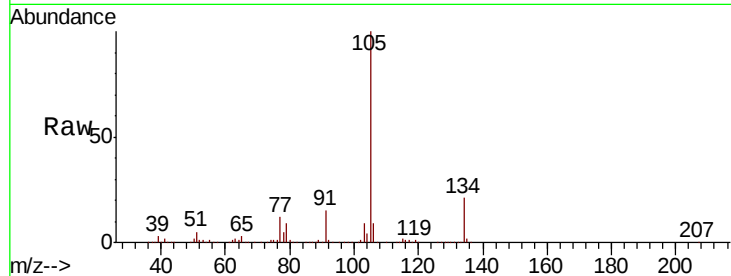
134 21.1 10.5 31.6

Manual Integrations

APPROVED

sam

10/24/2018 5:33:19 PM



#86

p-Isopropyltoluene

Concen: 54.286 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

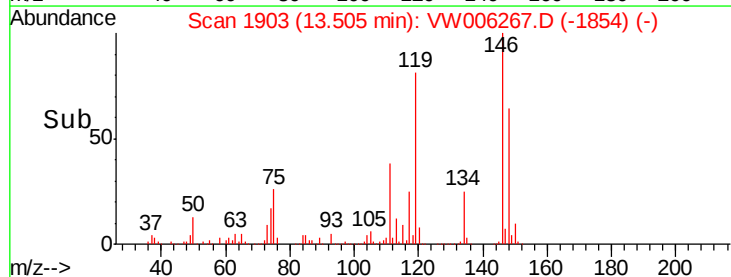
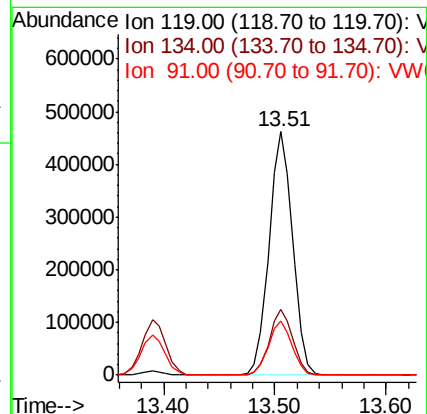
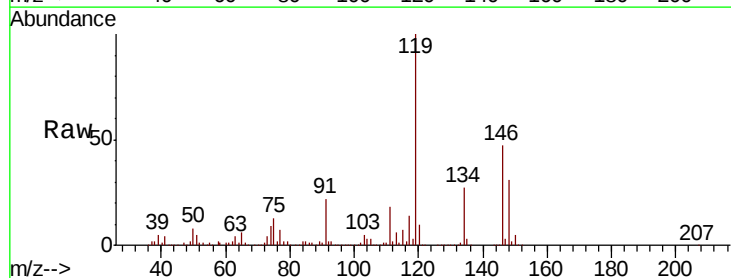
Tgt Ion:119 Resp: 683349

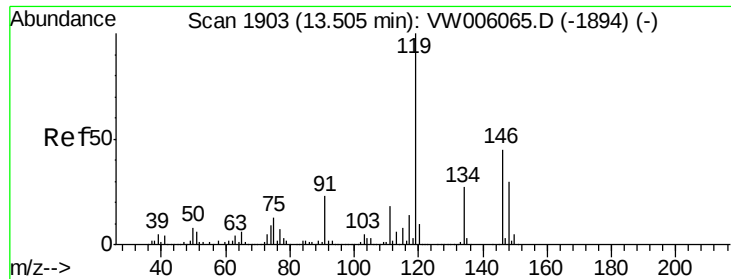
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

91 22.1 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 54.822 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

Instrument :

MSVOA\_W

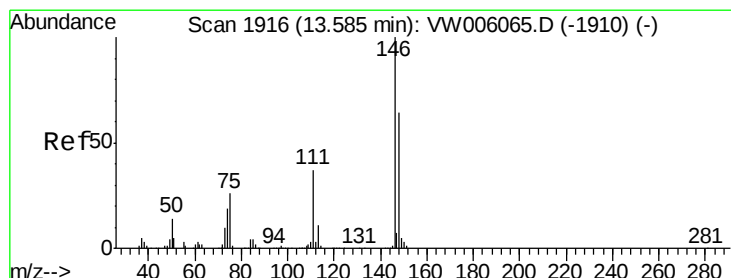
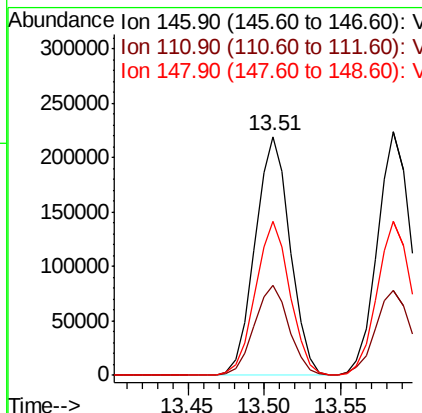
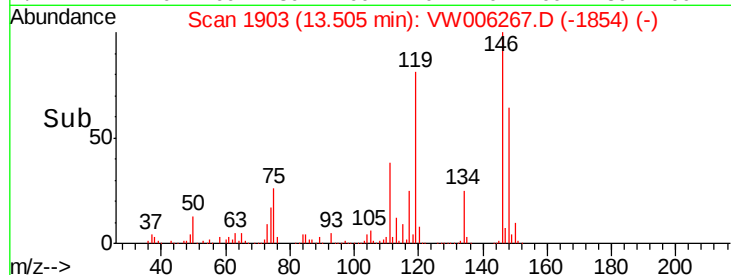
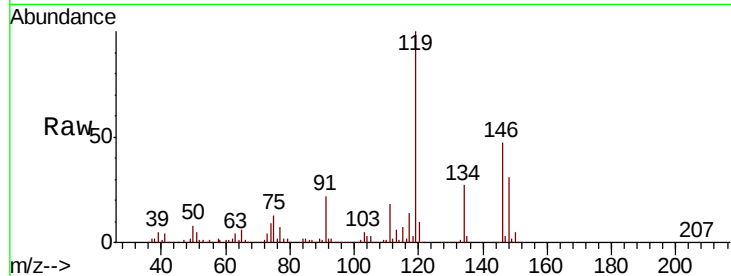
ClientSampleId :

VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.4  | 19.1  | 57.5  |
| 148     | 63.7  | 32.0  | 96.2  |

Manual Integrations  
APPROVED

sam  
10/24/2018 5:33:19 PM



#88

1,4-Dichlorobenzene

Concen: 54.257 ug/l

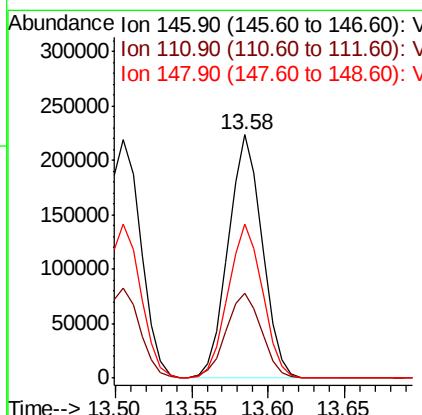
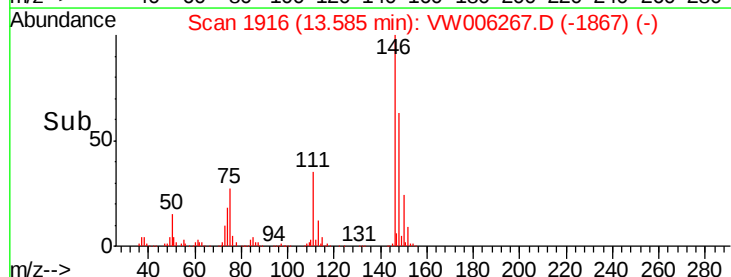
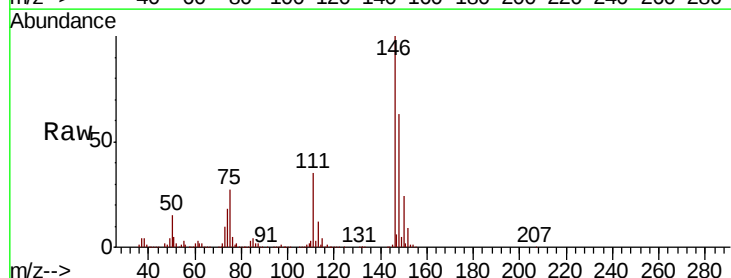
RT: 13.58 min Scan# 1916

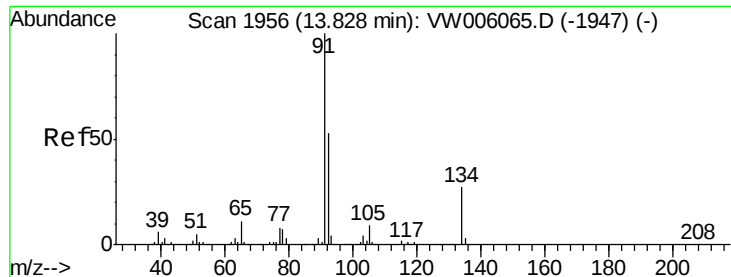
Delta R.T. 0.00 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.4  | 18.6  | 56.0  |
| 148     | 64.1  | 32.1  | 96.5  |





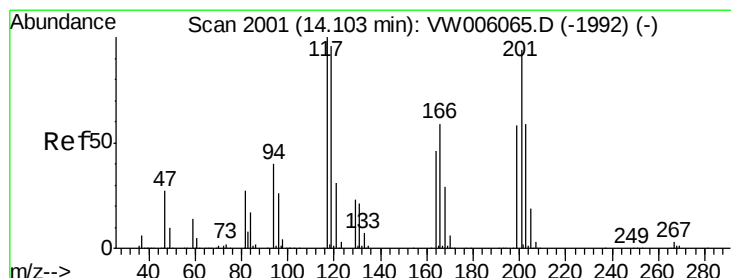
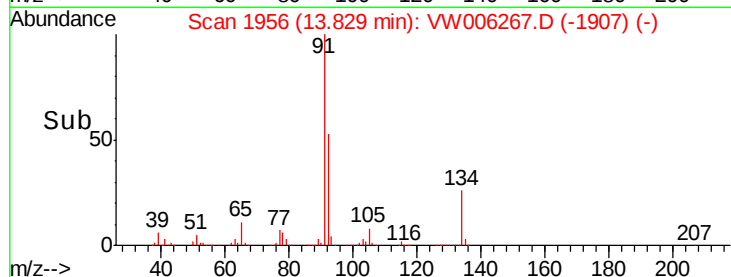
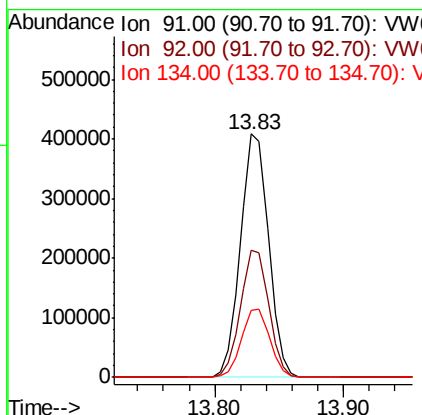
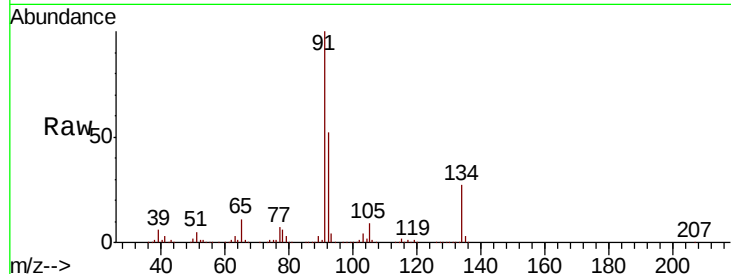
#89  
n-Butylbenzene  
Concen: 53.438 ug/l  
RT: 13.83 min Scan# 1956  
Delta R.T. 0.00 min  
Lab File: VW006267.D  
Acq: 22 Oct 2018 23:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.7  | 26.6  | 79.7  |
| 134     | 28.3  | 14.0  | 41.9  |

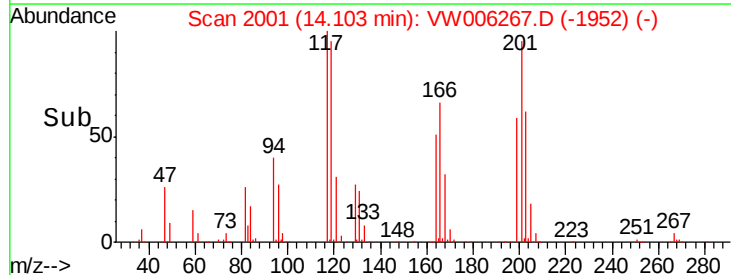
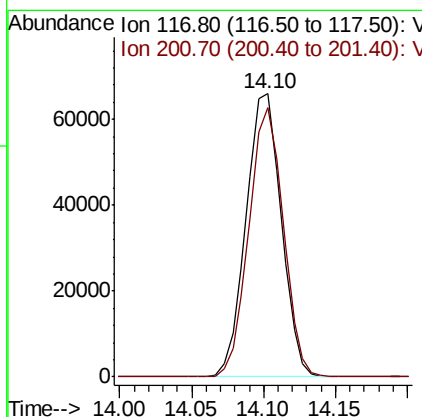
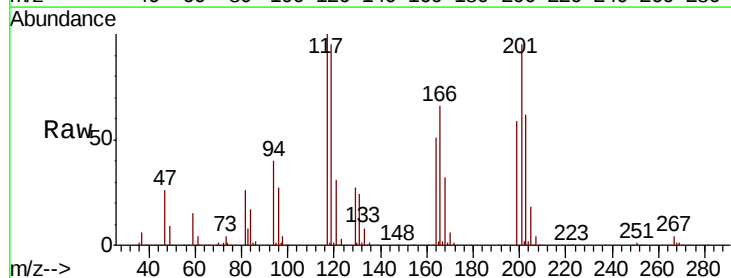
Manual Integrations  
APPROVED

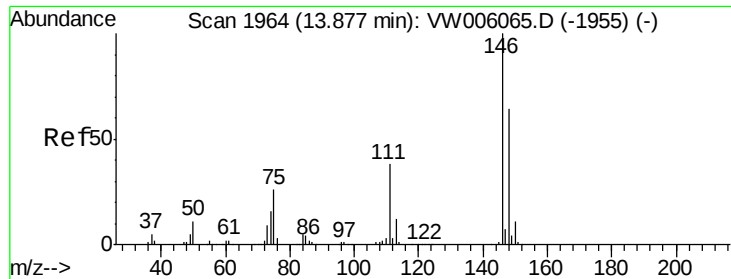
sam  
10/24/2018 5:33:19 PM



#90  
Hexachloroethane  
Concen: 52.507 ug/l  
RT: 14.10 min Scan# 2001  
Delta R.T. 0.00 min  
Lab File: VW006267.D  
Acq: 22 Oct 2018 23:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 92.5  | 45.3  | 135.9 |





#91

1,2-Dichlorobenzene

Concen: 54.182 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

Instrument :

MSVOA\_W

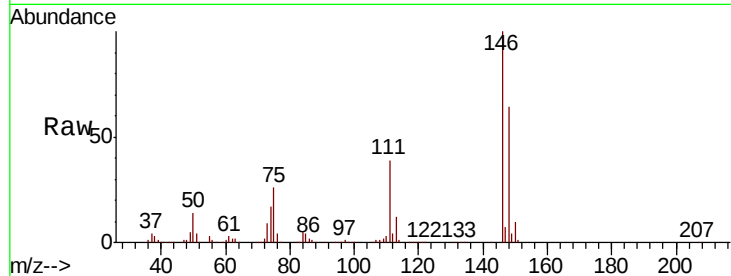
ClientSampleId :

VSTDCCC050

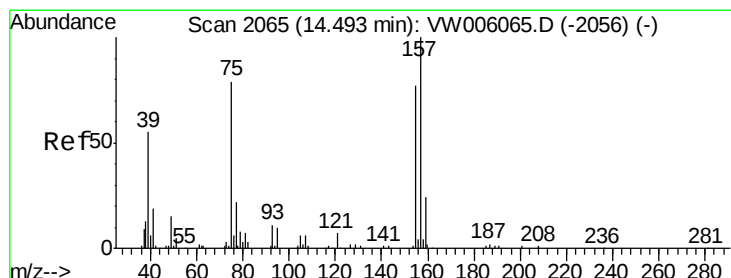
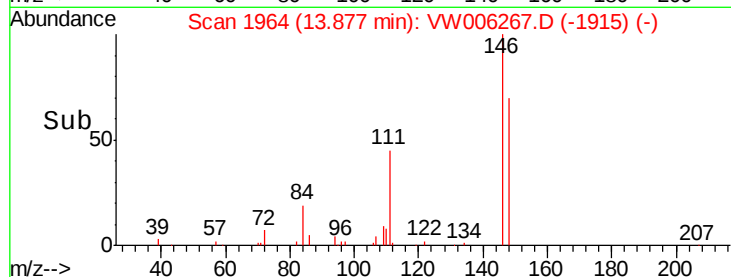
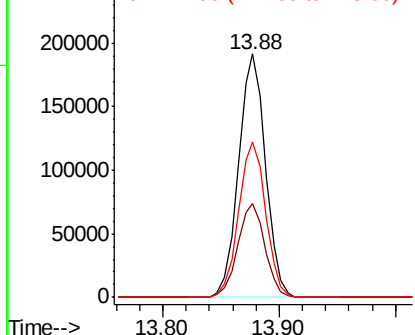
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 307698 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 39.0  | 19.6  | 58.7   |
| 148       | 64.3  | 32.2  | 96.6   |

Manual Integrations  
APPROVED

sam  
10/24/2018 5:33:19 PM



Abundance Ion 145.90 (145.60 to 146.60): V  
Ion 110.90 (110.60 to 111.60): V  
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.020 ug/l

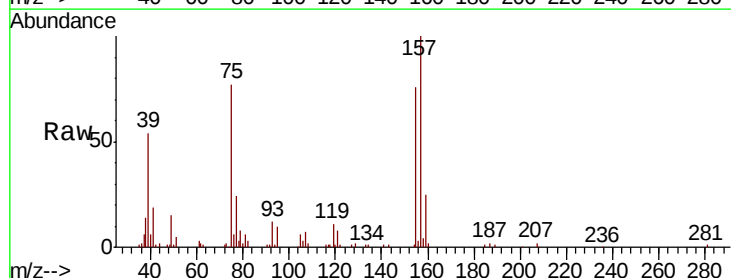
RT: 14.49 min Scan# 2065

Delta R.T. 0.00 min

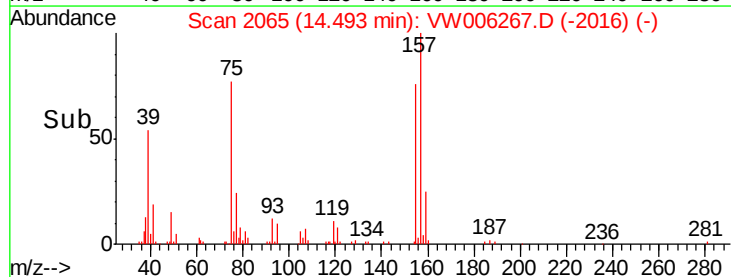
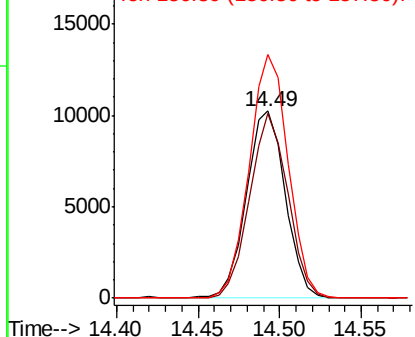
Lab File: VW006267.D

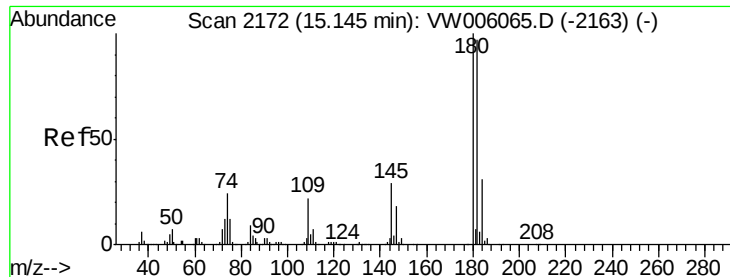
Acq: 22 Oct 2018 23:45

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 17079 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 96.3  | 46.5  | 139.5 |
| 157       | 129.8 | 59.8  | 179.4 |



Abundance Ion 74.90 (74.60 to 75.60): VW  
Ion 154.80 (154.50 to 155.50): V  
Ion 156.80 (156.50 to 157.50): V





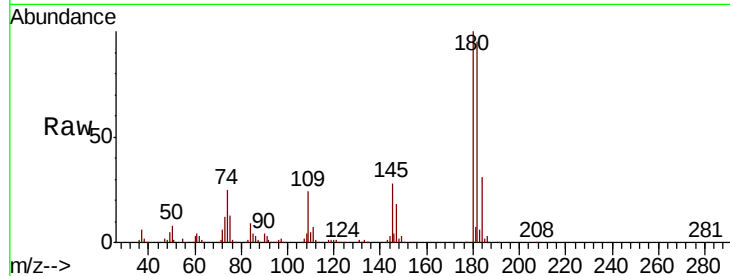
#93  
 1,2,4-Trichlorobenzene  
 Concen: 53.452 ug/l  
 RT: 15.14 min Scan# 2171  
 Delta R.T. -0.01 min  
 Lab File: VW006267.D  
 Acq: 22 Oct 2018 23:45

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 233569 |       |       |
| 182     | 95.2  | 47.9   | 143.6 |       |
| 145     | 28.5  | 14.2   | 42.8  |       |

Manual Integrations  
 APPROVED

sam  
 10/24/2018 5:33:19 PM

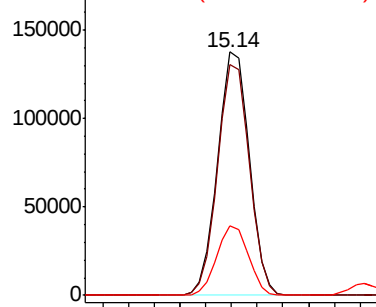


Abundance

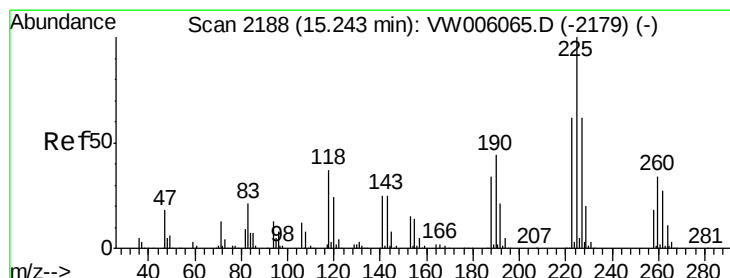
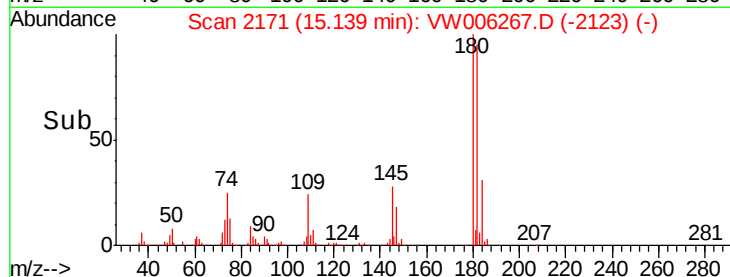
Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

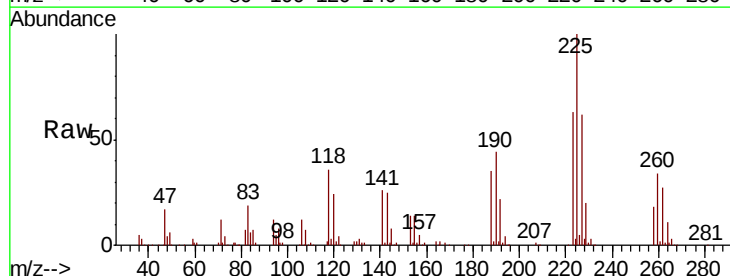


Time-->



#94  
 Hexachlorobutadiene  
 Concen: 53.399 ug/l  
 RT: 15.24 min Scan# 2188  
 Delta R.T. 0.00 min  
 Lab File: VW006267.D  
 Acq: 22 Oct 2018 23:45

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 146578 |       |       |
| 223     | 61.5  | 31.1   | 93.5  |       |
| 227     | 63.5  | 32.4   | 97.0  |       |

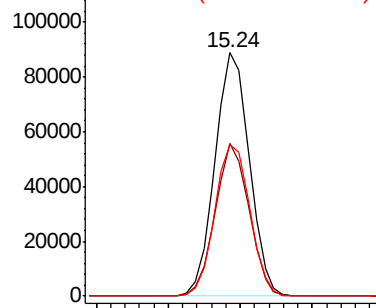


Abundance

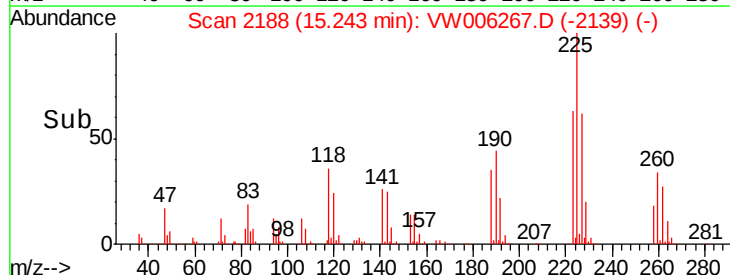
Ion 224.70 (224.40 to 225.40): V

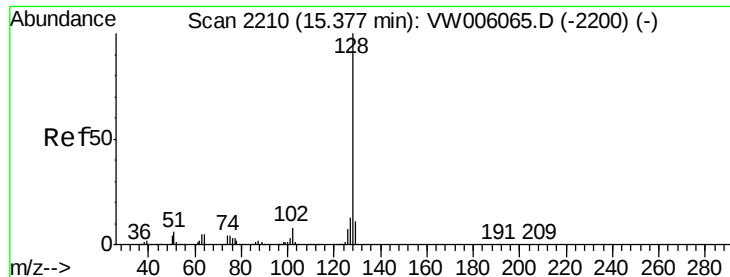
Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



Time-->





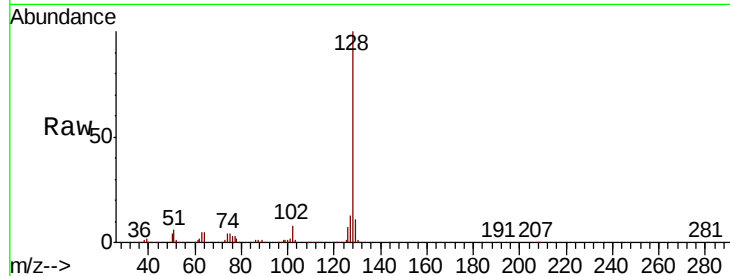
#95  
Naphthalene  
Concen: 53.194 ug/l  
RT: 15.38 min Scan# 2210  
Delta R.T. 0.00 min  
Lab File: VW006267.D  
Acq: 22 Oct 2018 23:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.8  | 10.3  | 15.5  |
| 129     | 10.8  | 8.7   | 13.1  |

Manual Integrations  
APPROVED

sam  
10/24/2018 5:33:19 PM

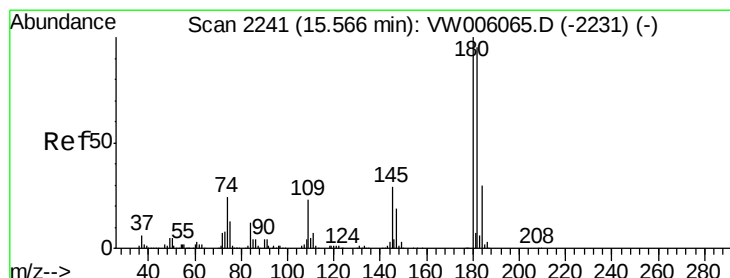
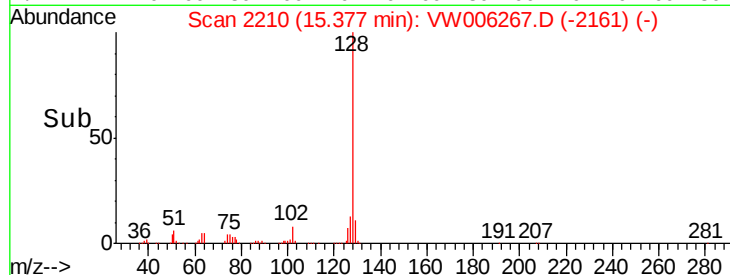
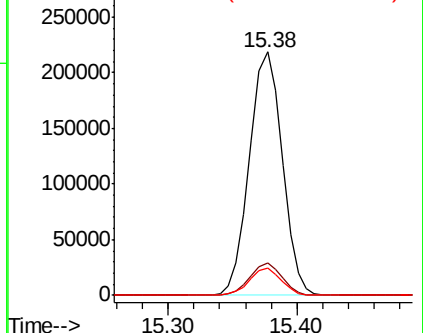


Abundance

Ion 128.00 (127.70 to 128.70): V

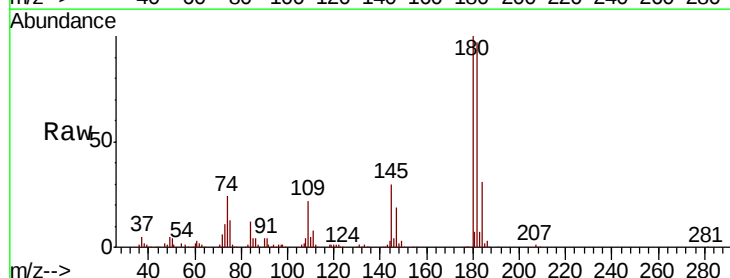
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96  
1,2,3-Trichlorobenzene  
Concen: 53.994 ug/l  
RT: 15.57 min Scan# 2241  
Delta R.T. 0.00 min  
Lab File: VW006267.D  
Acq: 22 Oct 2018 23:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.0  | 47.8  | 143.3 |
| 145     | 30.4  | 15.0  | 45.1  |



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

