

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090118\  
 Data File : VW005060.D  
 Acq On : 01 Sep 2018 02:20  
 Operator : SY/AP  
 Sample : VSTDIC150  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC150

Manual Integrations  
 APPROVED

apatel  
 9/4/2018 9:37:16 AM

Quant Time: Sep 01 03:28:17 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W090118S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 01 03:06:58 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.96  | 168  | 505179   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 742705   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.64 | 117  | 710794   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 359589   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |        |         |      |
|---------------------------|--------|-----|----------|--------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.31   | 65  | 647974   | 182.52 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 365.04% |      |
| 35) Dibromofluoromethane  | 7.89   | 113 | 692481   | 183.29 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 366.58% |      |
| 50) Toluene-d8            | 10.33  | 98  | 3155092  | 155.67 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 311.34% |      |
| 62) 4-Bromofluorobenzene  | 12.62  | 95  | 1103828  | 149.76 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 299.52% |      |

## Target Compounds

|                               |      |     |         |        |      | Qvalue |
|-------------------------------|------|-----|---------|--------|------|--------|
| 2) Dichlorodifluoromethane    | 2.00 | 85  | 568020  | 130.83 | ug/l | 98     |
| 3) Chloromethane              | 2.22 | 50  | 851253  | 137.03 | ug/l | 99     |
| 4) Vinyl Chloride             | 2.36 | 62  | 846880  | 137.08 | ug/l | 100    |
| 5) Bromomethane               | 2.76 | 94  | 475667  | 117.00 | ug/l | 98     |
| 6) Chloroethane               | 2.92 | 64  | 530494  | 143.67 | ug/l | 100    |
| 7) Trichlorofluoromethane     | 3.26 | 101 | 987188  | 154.10 | ug/l | 100    |
| 8) Diethyl Ether              | 3.69 | 74  | 377236  | 198.38 | ug/l | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 4.07 | 101 | 663053  | 164.45 | ug/l | 100    |
| 10) Methyl Iodide             | 4.28 | 142 | 1066304 | 192.99 | ug/l | 99     |
| 11) Tert butyl alcohol        | 5.20 | 59  | 219953  | 850.84 | ug/l | 97     |
| 12) 1,1-Dichloroethene        | 4.04 | 96  | 665234  | 177.34 | ug/l | 98     |
| 13) Acrolein                  | 3.90 | 56  | 226797  | 788.57 | ug/l | 98     |
| 14) Allyl chloride            | 4.68 | 41  | 1096134 | 188.90 | ug/l | 99     |
| 15) Acrylonitrile             | 5.38 | 53  | 814781  | 867.51 | ug/l | 100    |
| 16) Acetone                   | 4.14 | 43  | 653600  | 825.68 | ug/l | 97     |
| 17) Carbon Disulfide          | 4.39 | 76  | 2319674 | 151.19 | ug/l | 100    |
| 18) Methyl Acetate            | 4.68 | 43  | 391045  | 198.17 | ug/l | 100    |
| 19) Methyl tert-butyl Ether   | 5.43 | 73  | 1659306 | 201.12 | ug/l | 100    |
| 20) Methylene Chloride        | 4.92 | 84  | 826259  | 124.81 | ug/l | 99     |
| 21) trans-1,2-Dichloroethene  | 5.43 | 96  | 799956  | 192.39 | ug/l | 99     |
| 22) Diisopropyl ether         | 6.32 | 45  | 2261080 | 190.37 | ug/l | 98     |
| 23) Vinyl Acetate             | 6.26 | 43  | 6008531 | 982.65 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 6.23 | 63  | 1349503 | 186.60 | ug/l | 100    |
| 25) 2-Butanone                | 7.18 | 43  | 1129357 | 902.62 | ug/l | 100    |
| 26) 2,2-Dichloropropane       | 7.18 | 77  | 993829  | 158.28 | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 7.18 | 96  | 896605  | 197.20 | ug/l | 99     |
| 28) Bromochloromethane        | 7.52 | 49  | 521266  | 167.53 | ug/l | 99     |
| 29) Tetrahydrofuran           | 7.54 | 42  | 628721  | 984.85 | ug/l | 99     |
| 30) Chloroform                | 7.68 | 83  | 1352679 | 188.64 | ug/l | 99     |
| 31) Cyclohexane               | 7.96 | 56  | 1204235 | 160.02 | ug/l | 97     |
| 32) 1,1,1-Trichloroethane     | 7.88 | 97  | 1101703 | 168.83 | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 8.09 | 75  | 1065300 | 166.57 | ug/l | 99     |
| 37) Ethyl Acetate             | 7.26 | 43  | 410136  | 175.18 | ug/l | 100    |
| 38) Carbon Tetrachloride      | 8.07 | 117 | 969387  | 155.88 | ug/l | 99     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090118\  
 Data File : VW005060.D  
 Acq On : 01 Sep 2018 02:20  
 Operator : SY/AP  
 Sample : VSTDICC150  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleID :  
 VSTDICC150

Manual Integrations  
 APPROVED

apatel  
 9/4/2018 9:37:16 AM

Quant Time: Sep 01 03:28:17 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W090118S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 01 03:06:58 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.34  | 83   | 1455684  | 166.72  | ug/l   | 99       |
| 40) Benzene                    | 8.33  | 78   | 3342799  | 163.86  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.49  | 41   | 274702   | 199.21  | ug/l   | 96       |
| 42) 1,2-Dichloroethane         | 8.41  | 62   | 792786   | 171.08  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.43  | 43   | 812919   | 177.44  | ug/l   | 99       |
| 44) Trichloroethene            | 9.10  | 130  | 883255   | 168.08  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 795991   | 169.15  | ug/l   | 100      |
| 46) Dibromomethane             | 9.46  | 93   | 387531   | 172.04  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.65  | 83   | 957158   | 171.75  | ug/l   | 97       |
| 48) Methyl methacrylate        | 9.44  | 41   | 428692   | 180.40  | ug/l   | 91       |
| 49) 1,4-Dioxane                | 9.46  | 88   | 122415   | 2695.00 | ug/l # | 87       |
| 51) 4-Methyl-2-Pentanone       | 10.22 | 43   | 2640414  | 780.09  | ug/l   | 99       |
| 52) Toluene                    | 10.40 | 92   | 2301678  | 152.55  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 10.61 | 75   | 1040357  | 178.22  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 10.08 | 75   | 1224861  | 178.69  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 593689   | 163.20  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 785539   | 167.35  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.94 | 76   | 1006237  | 168.82  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.93  | 63   | 1803215  | 882.92  | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.98 | 43   | 1779061  | 731.24  | ug/l   | 98       |
| 60) Dibromochloromethane       | 11.13 | 129  | 707174   | 177.38  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.24 | 107  | 554128   | 164.03  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.87 | 164  | 876633   | 166.90  | ug/l   | 97       |
| 65) Chlorobenzene              | 11.66 | 112  | 2514017  | 159.45  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.74 | 131  | 799621   | 183.25  | ug/l   | 100      |
| 67) Ethyl Benzene              | 11.74 | 91   | 4476475  | 165.84  | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.85 | 106  | 3552607  | 323.84  | ug/l   | 98       |
| 69) o-Xylene                   | 12.17 | 106  | 1684524  | 168.21  | ug/l   | 98       |
| 70) Styrene                    | 12.19 | 104  | 2765889  | 166.32  | ug/l   | 100      |
| 71) Bromoform                  | 12.35 | 173  | 430359   | 178.43  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.47 | 105  | 4488714  | 183.96  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.28 | 43   | 796841   | 176.14  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.72 | 83   | 636341   | 173.76  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 430481m  | 167.29  | ug/l   |          |
| 77) Bromobenzene               | 12.76 | 156  | 1034909  | 172.98  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.81 | 91   | 5293226  | 176.37  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.90 | 91   | 3020281  | 174.31  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.95 | 105  | 3803495  | 177.02  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.52 | 75   | 201958   | 179.78  | ug/l   | 96       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 3109627  | 168.76  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 13.21 | 119  | 3236503  | 179.27  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 13.26 | 105  | 3847577  | 176.26  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.39 | 105  | 4635760  | 175.26  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.51 | 119  | 4158366  | 175.67  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.51 | 146  | 2049278  | 162.52  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.59 | 146  | 1990802  | 159.50  | ug/l   | 100      |
| 89) n-Butylbenzene             | 13.83 | 91   | 3830898  | 172.74  | ug/l   | 99       |
| 90) Hexachloroethane           | 14.10 | 117  | 689223   | 184.47  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.88 | 146  | 1737865  | 156.68  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.49 | 75   | 93327    | 148.66  | ug/l   | 97       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090118\  
Data File : VW005060.D  
Acq On : 01 Sep 2018 02:20  
Operator : SY/AP  
Sample : VSTDICC150  
Misc : 5.00G/5ML/MSVOA W/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICC150

Manual Integrations  
APPROVED

apatel  
9/4/2018 9:37:16 AM

Quant Time: Sep 01 03:28:17 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W090118S.M  
Quant Title : SW846 8260  
QLast Update : Sat Sep 01 03:06:58 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.14 | 180  | 1235922  | 159.91 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 15.24 | 225  | 740061   | 153.18 | ug/l  | 100      |
| 95) Naphthalene            | 15.38 | 128  | 2128247  | 169.14 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.57 | 180  | 1048793  | 154.23 | ug/l  | 99       |

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

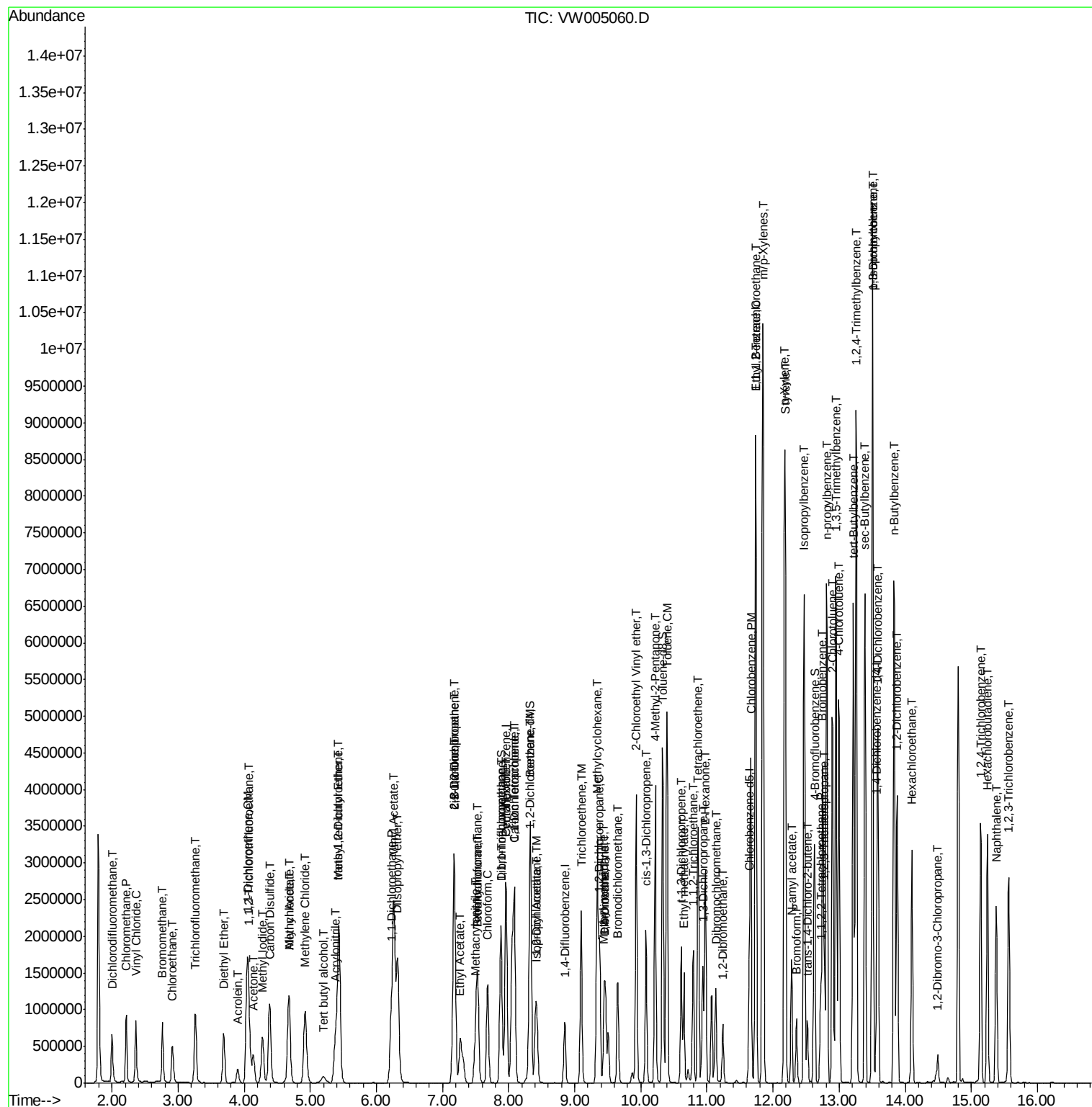
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090118\  
Data File : VW005060.D  
Acq On : 01 Sep 2018 02:20  
Operator : SY/AP  
Sample : VSTDICC150  
Misc : 5.00G/5ML/MSVOA W/SOIL  
ALS Vial : 11 Sample Multiplier: 1

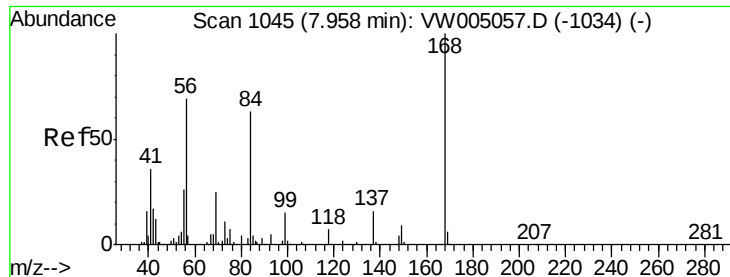
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICC150

Manual Integrations  
APPROVED

apatel  
9/4/2018 9:37:16 AM

Quant Time: Sep 01 03:28:17 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W090118S.M  
Quant Title : SW846 8260  
QLast Update : Sat Sep 01 03:06:58 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.00 min

Lab File: VW005060.D

Acq: 01 Sep 2018 02:20

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 505179

Ion Ratio Lower Upper

168 100

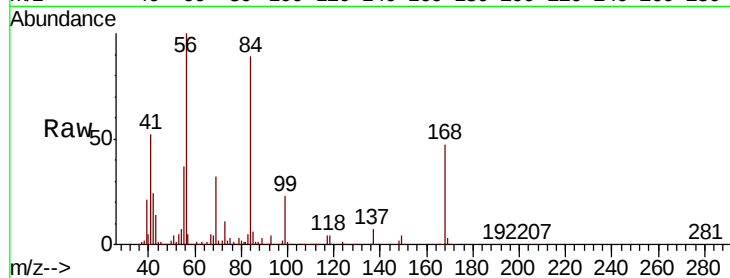
99 50.3 39.4 59.0

Manual Integrations

APPROVED

apatel

9/4/2018 9:37:16 AM



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

300000

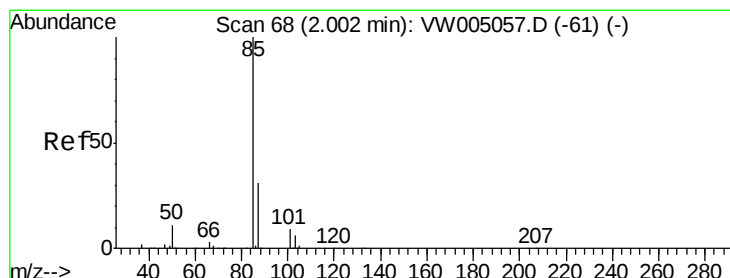
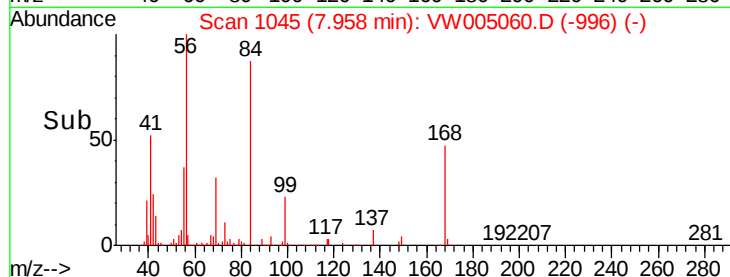
200000

100000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 130.83 ug/l

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW005060.D

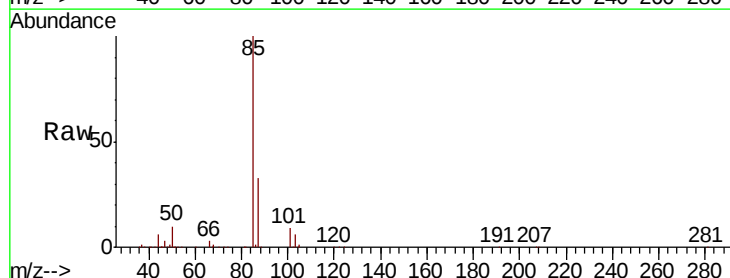
Acq: 01 Sep 2018 02:20

Tgt Ion: 85 Resp: 568020

Ion Ratio Lower Upper

85 100

87 32.5 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

400000

300000

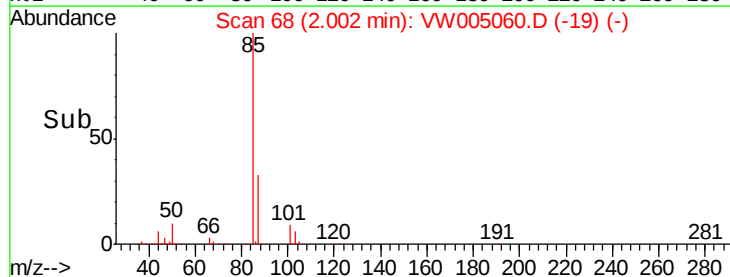
200000

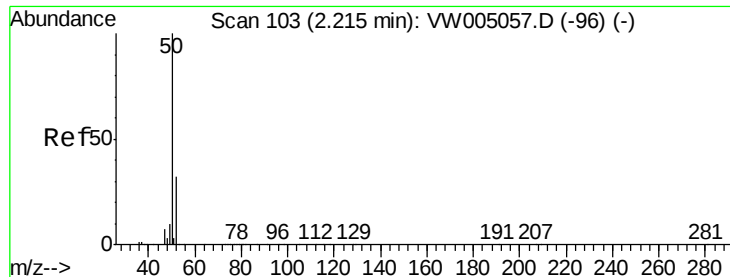
100000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 137.03 ug/l

RT: 2.22 min Scan# 103

Delta R.T. -0.00 min

Lab File: VW005060.D

Acq: 01 Sep 2018 02:20

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 851253

Ion Ratio Lower Upper

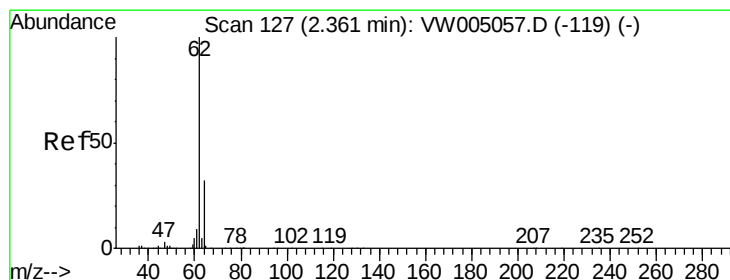
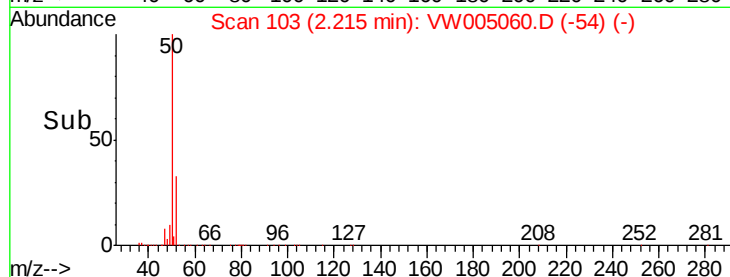
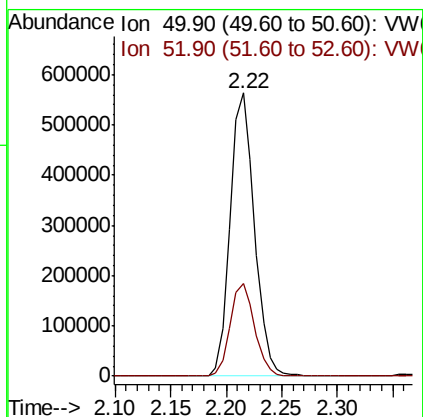
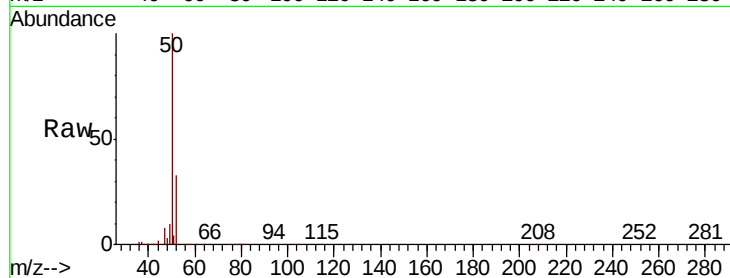
50 100

52 32.9 25.8 38.6

Manual Integrations  
APPROVED

apatel

9/4/2018 9:37:16 AM



#4

Vinyl Chloride

Concen: 137.08 ug/l

RT: 2.36 min Scan# 127

Delta R.T. -0.00 min

Lab File: VW005060.D

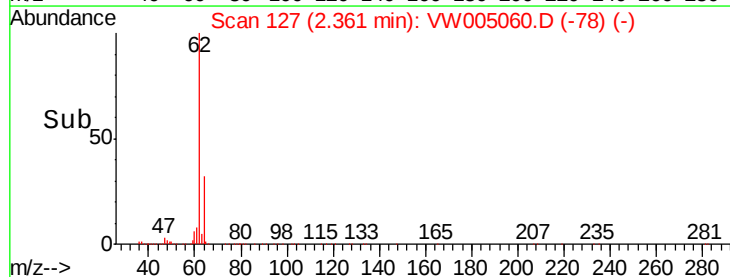
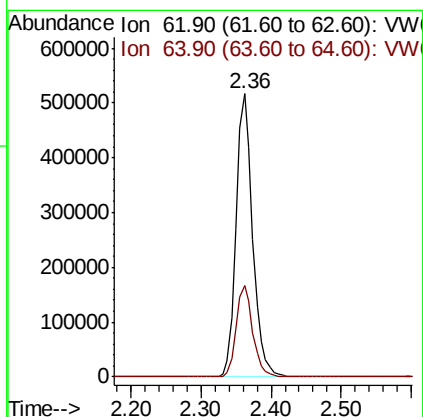
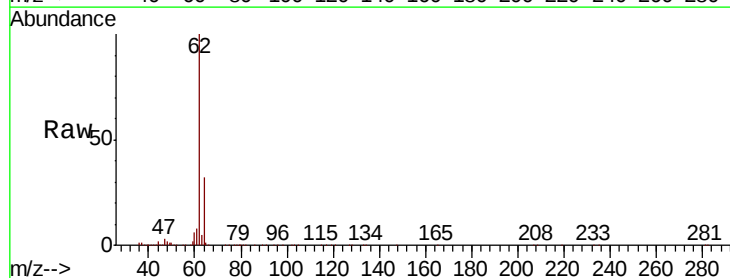
Acq: 01 Sep 2018 02:20

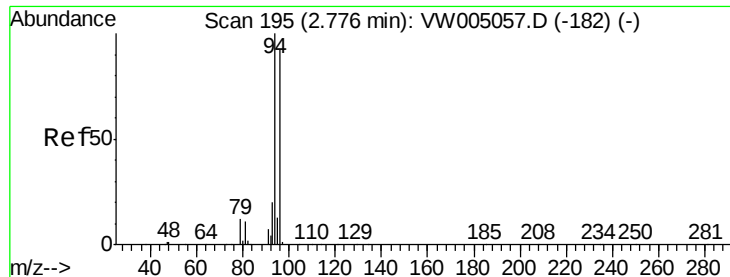
Tgt Ion: 62 Resp: 846880

Ion Ratio Lower Upper

62 100

64 32.2 25.6 38.4





#5

Bromomethane

Concen: 117.00 ug/l

RT: 2.76 min Scan# 193

Delta R.T. -0.01 min

Lab File: VW005060.D

Acq: 01 Sep 2018 02:20

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 475667

Ion Ratio Lower Upper

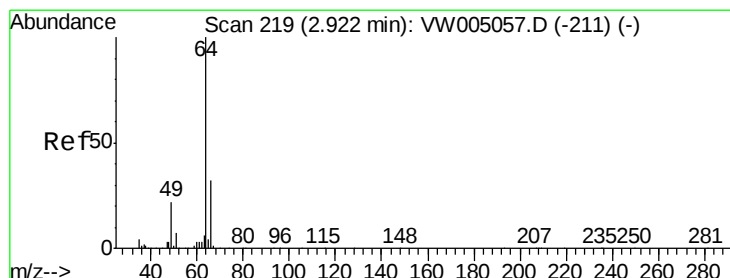
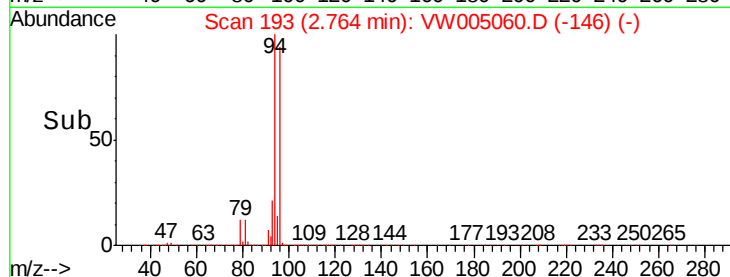
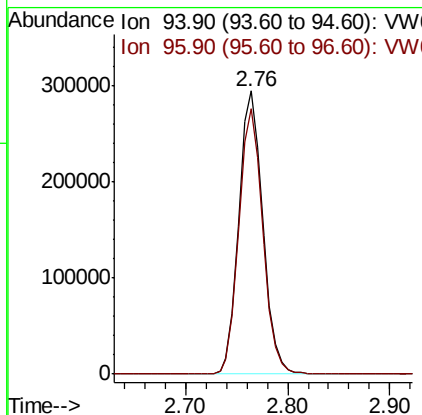
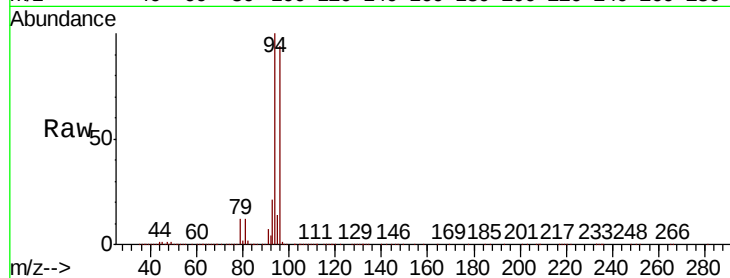
94 100

96 93.7 73.2 109.8

Manual Integrations  
APPROVED

apatel

9/4/2018 9:37:16 AM



#6

Chloroethane

Concen: 143.67 ug/l

RT: 2.92 min Scan# 218

Delta R.T. -0.01 min

Lab File: VW005060.D

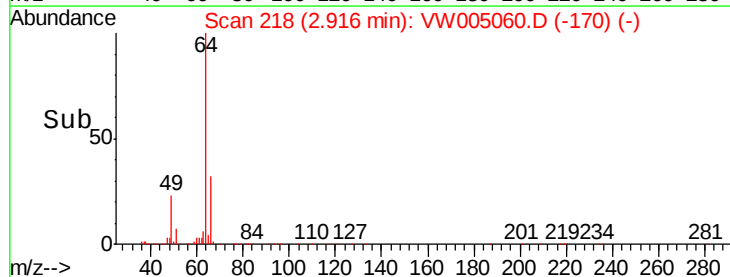
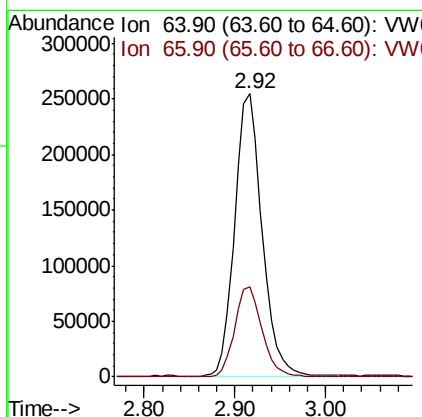
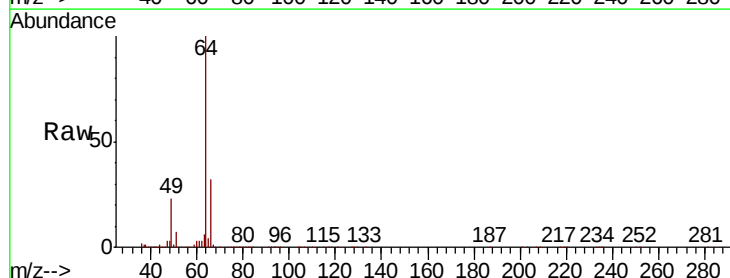
Acq: 01 Sep 2018 02:20

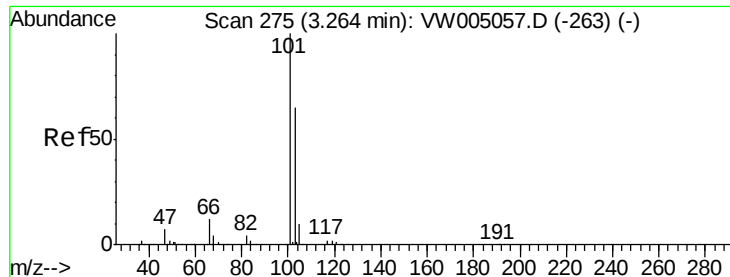
Tgt Ion: 64 Resp: 530494

Ion Ratio Lower Upper

64 100

66 32.0 25.7 38.5





#7

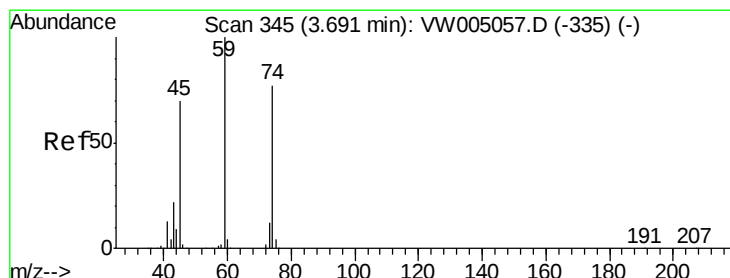
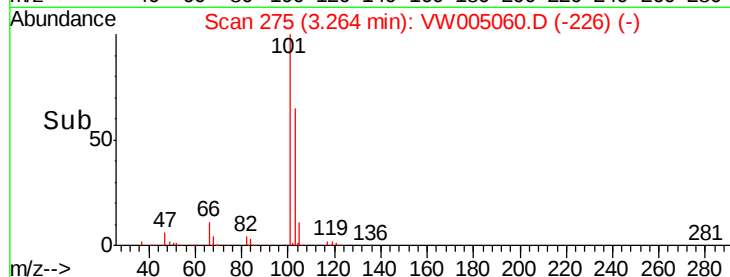
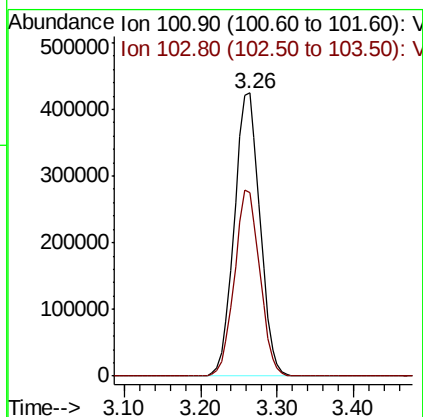
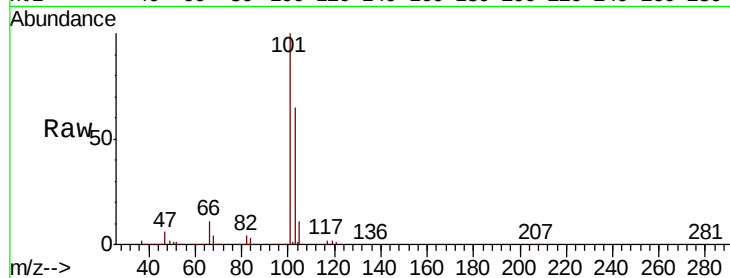
Trichlorofluoromethane  
 Concen: 154.10 ug/l  
 RT: 3.26 min Scan# 275  
 Delta R.T. -0.00 min  
 Lab File: VW005060.D  
 Acq: 01 Sep 2018 02:20

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.7  | 51.9  | 77.9  |

Manual Integrations  
 APPROVED

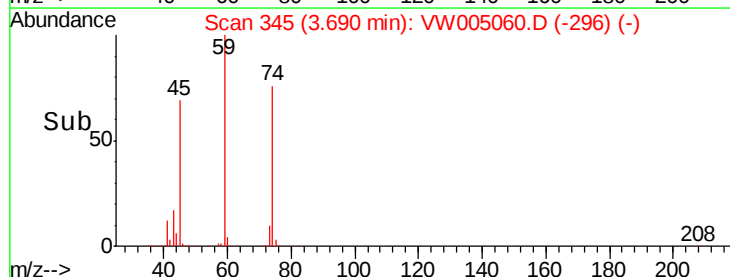
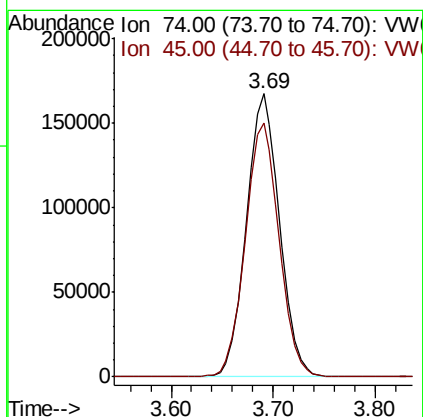
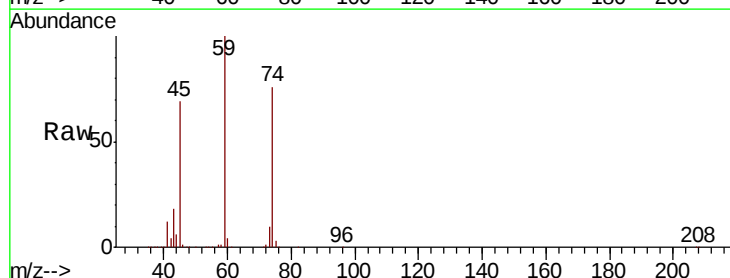
apatel  
 9/4/2018 9:37:16 AM

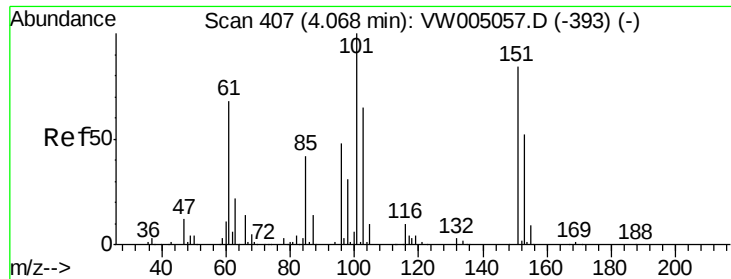


#8

Diethyl Ether  
 Concen: 198.38 ug/l  
 RT: 3.69 min Scan# 345  
 Delta R.T. -0.00 min  
 Lab File: VW005060.D  
 Acq: 01 Sep 2018 02:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 92.2  | 46.0  | 137.8 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 164.45 ug/l

RT: 4.07 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW005060.D

Acq: 01 Sep 2018 02:20

Instrument :

MSVOA\_W

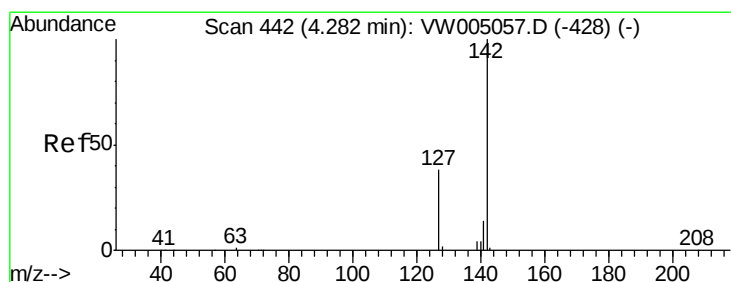
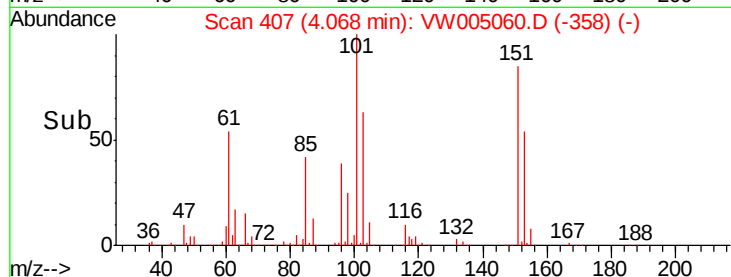
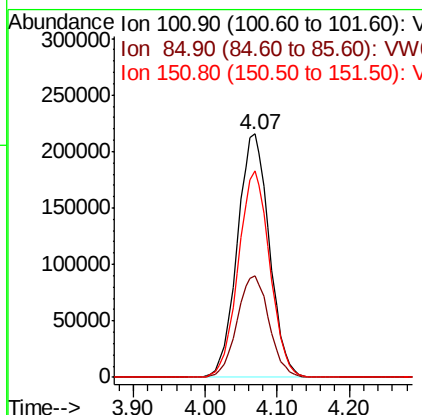
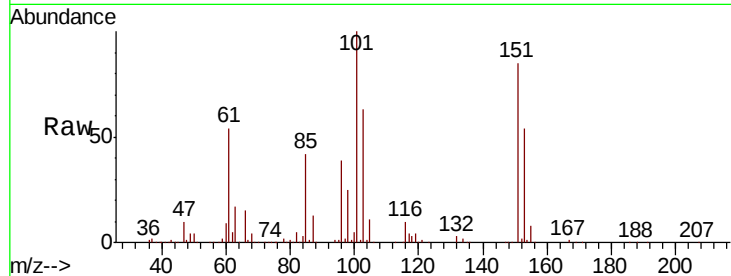
ClientSampleId :

VSTDIC150

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 663053 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 41.8  | 33.0  | 49.6   |
| 151       | 83.7  | 67.0  | 100.6  |

Manual Integrations  
APPROVED

apatel  
9/4/2018 9:37:16 AM



#10

Methyl Iodide

Concen: 192.99 ug/l

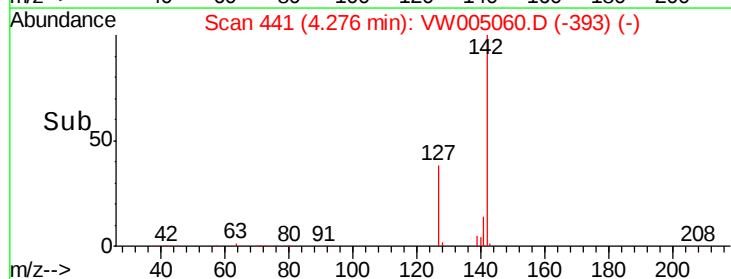
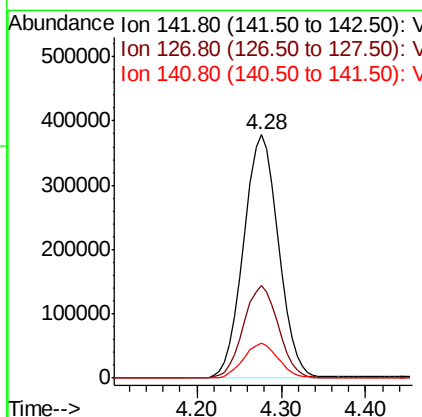
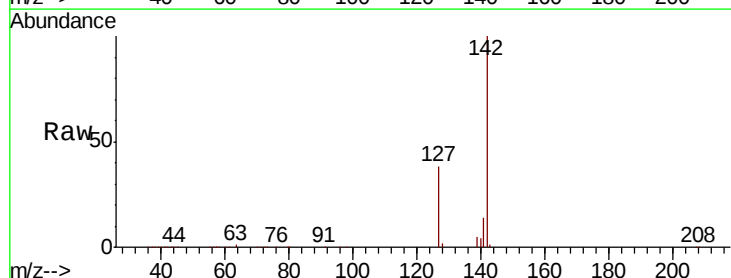
RT: 4.28 min Scan# 441

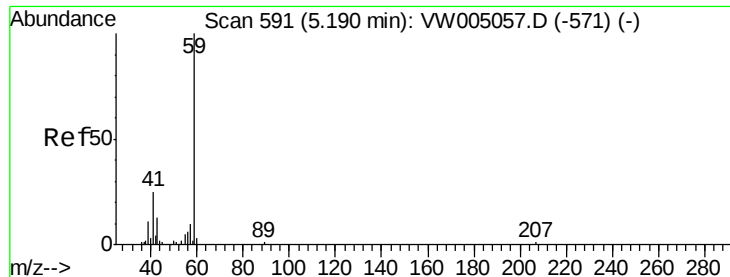
Delta R.T. -0.01 min

Lab File: VW005060.D

Acq: 01 Sep 2018 02:20

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 142   | Resp: | 1066304 |
| Ion Ratio | Lower | Upper |         |
| 142       | 100   |       |         |
| 127       | 38.2  | 30.8  | 46.2    |
| 141       | 14.3  | 11.6  | 17.4    |





#11

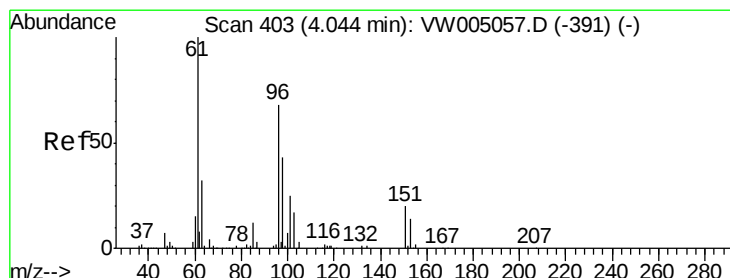
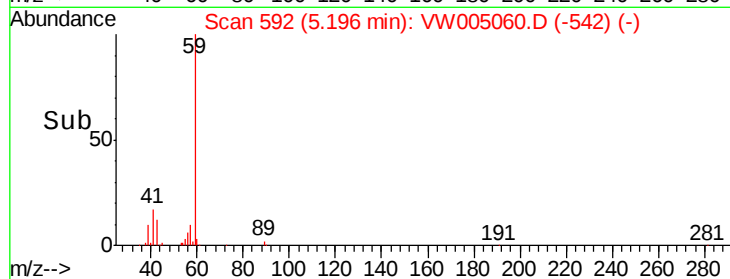
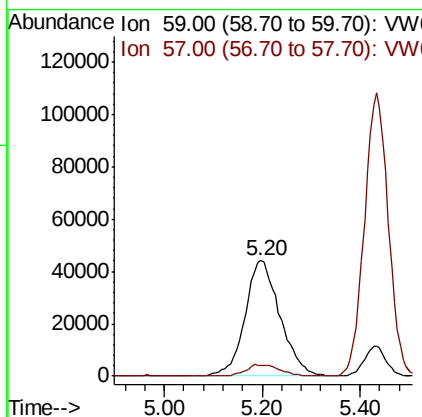
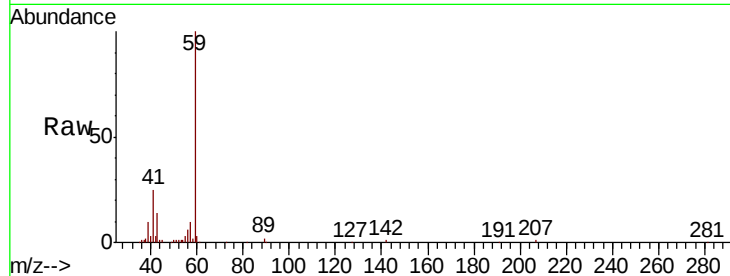
Tert butyl alcohol  
Concen: 850.84 ug/l  
RT: 5.20 min Scan# 592  
Delta R.T. 0.01 min  
Lab File: VW005060.D  
Acq: 01 Sep 2018 02:20

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC150

| Tot Ion   | 59  | Resp  | 219953 |
|-----------|-----|-------|--------|
| Ion Ratio | 100 | Lower | Upper  |
| 57        | 9.7 | 8.6   | 12.8   |

Manual Integrations  
APPROVED

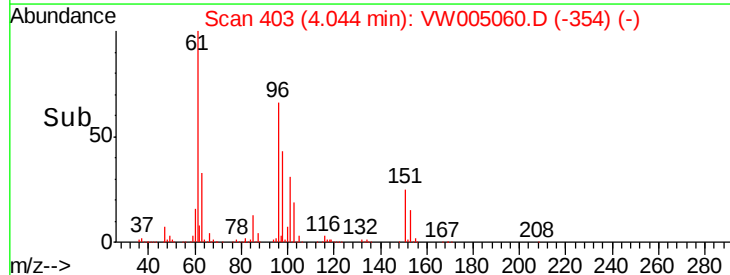
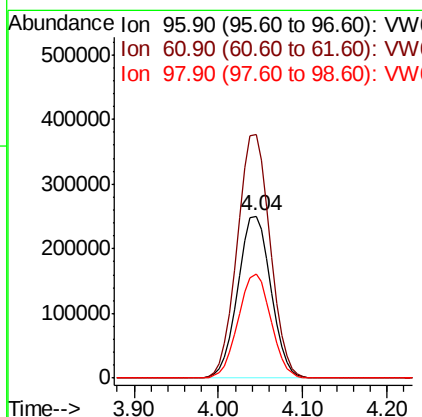
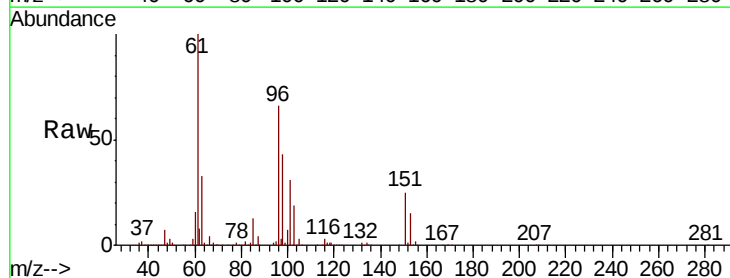
apatel  
9/4/2018 9:37:16 AM

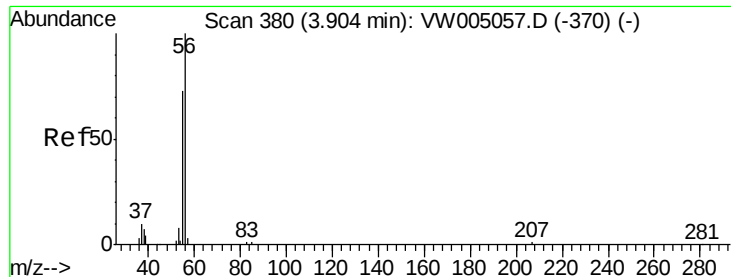


#12

1,1-Dichloroethene  
Concen: 177.34 ug/l  
RT: 4.04 min Scan# 403  
Delta R.T. -0.00 min  
Lab File: VW005060.D  
Acq: 01 Sep 2018 02:20

| Tgt Ion   | 96    | Resp  | 665234 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 61        | 150.5 | 117.4 | 176.0  |
| 98        | 64.1  | 51.0  | 76.4   |





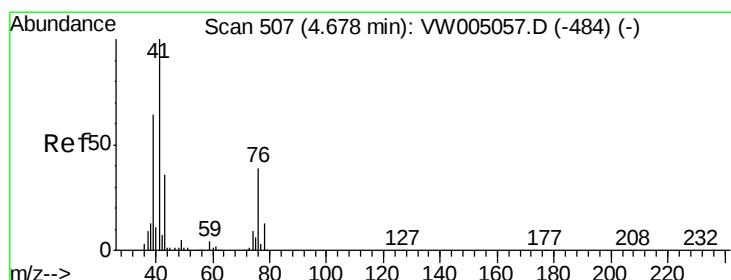
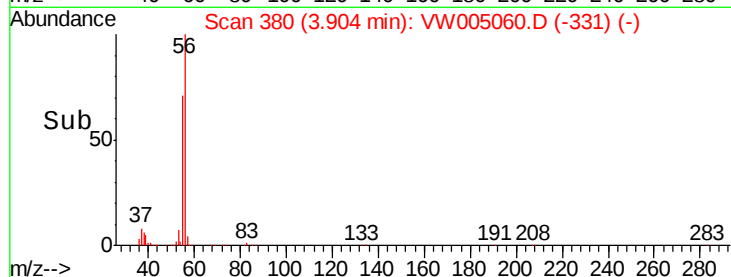
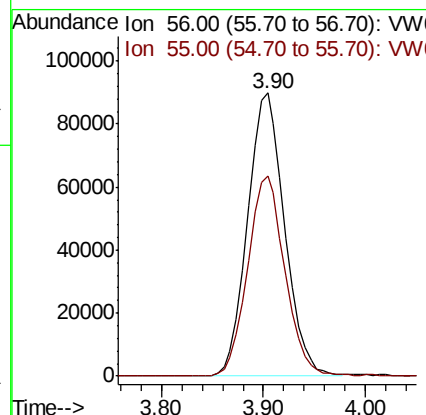
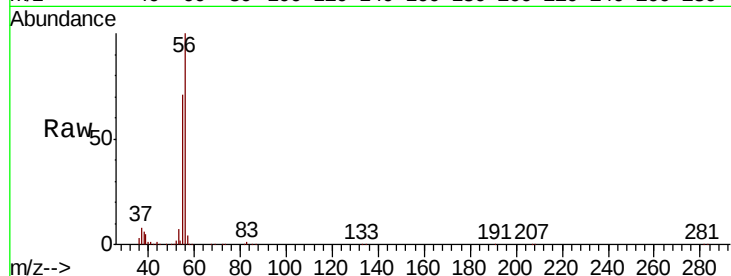
#13  
Acrolein  
Concen: 788.57 ug/l  
RT: 3.90 min Scan# 380  
Delta R.T. -0.00 min  
Lab File: VW005060.D  
Acq: 01 Sep 2018 02:20

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 55      | 71.2  | 58.1  | 87.1  |

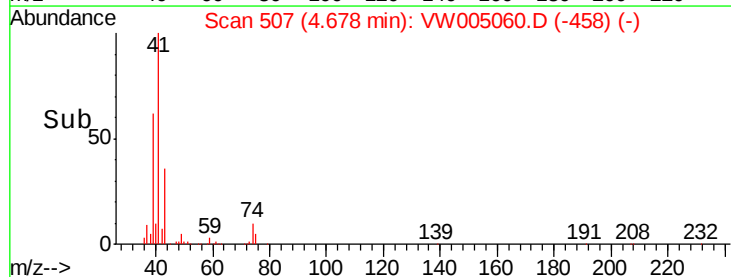
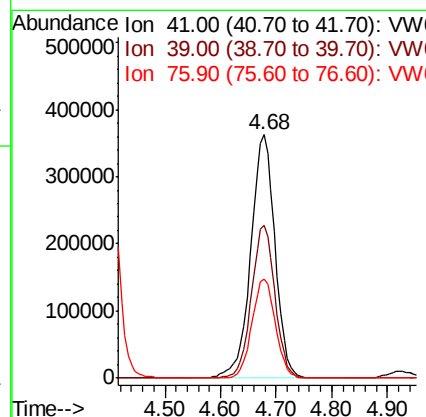
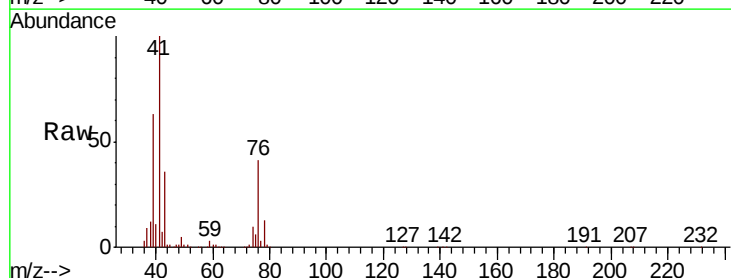
Manual Integrations  
APPROVED

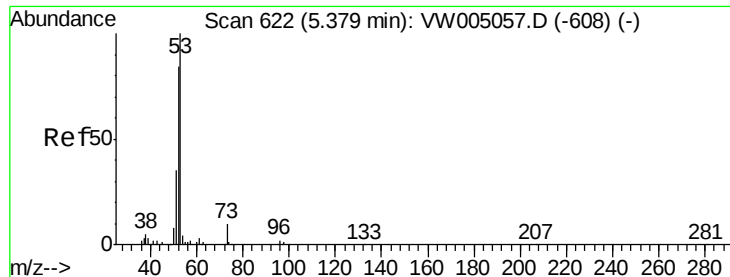
apatel  
9/4/2018 9:37:16 AM



#14  
Allyl chloride  
Concen: 188.90 ug/l  
RT: 4.68 min Scan# 507  
Delta R.T. -0.00 min  
Lab File: VW005060.D  
Acq: 01 Sep 2018 02:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 61.2  | 49.4  | 74.2  |
| 76      | 39.4  | 31.8  | 47.6  |





#15

Acrylonitrile

Concen: 867.51 ug/l

RT: 5.38 min Scan# 622

Delta R.T. -0.00 min

Lab File: VW005060.D

Acq: 01 Sep 2018 02:20

Instrument :

MSVOA\_W

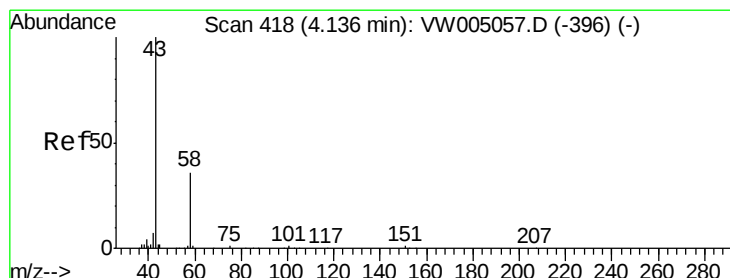
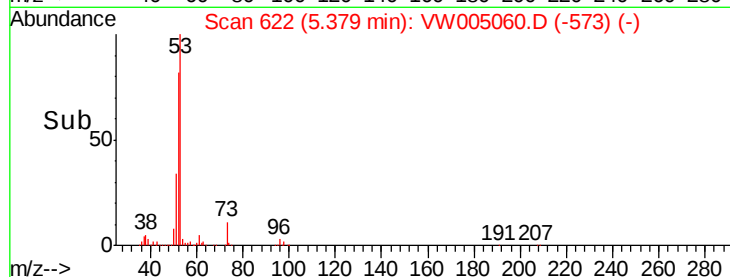
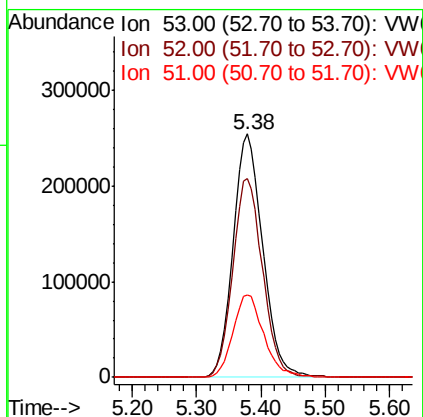
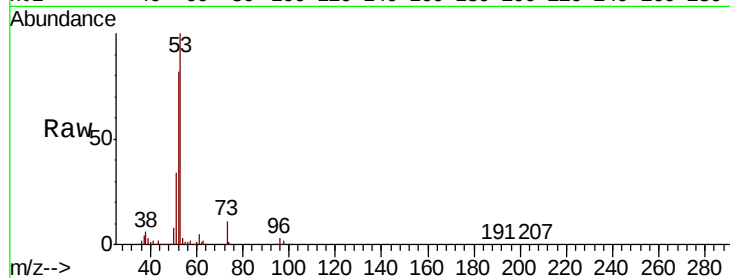
ClientSampleId :

VSTDIC150

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 814781 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 82.1  | 65.7  | 98.5   |
| 51       | 35.5  | 28.8  | 43.2   |

Manual Integrations  
APPROVED

apatel  
9/4/2018 9:37:16 AM



#16

Acetone

Concen: 825.68 ug/l

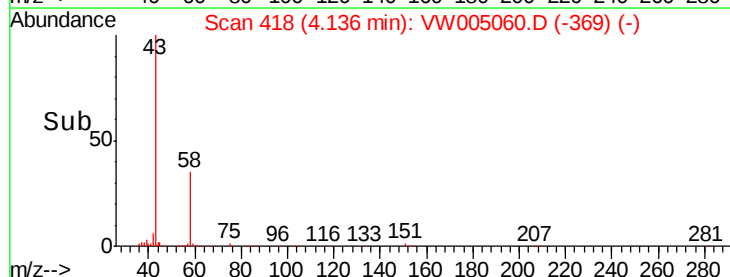
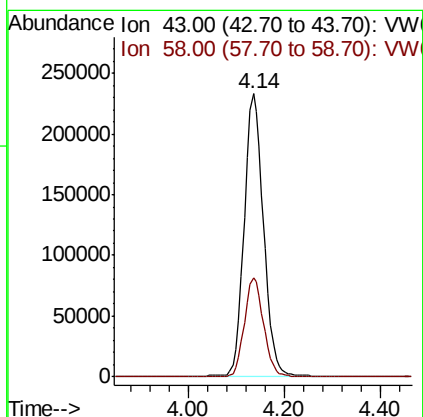
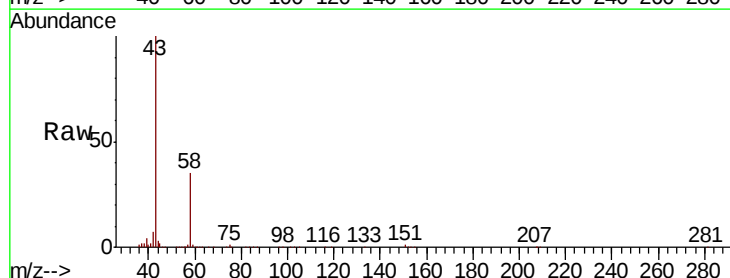
RT: 4.14 min Scan# 418

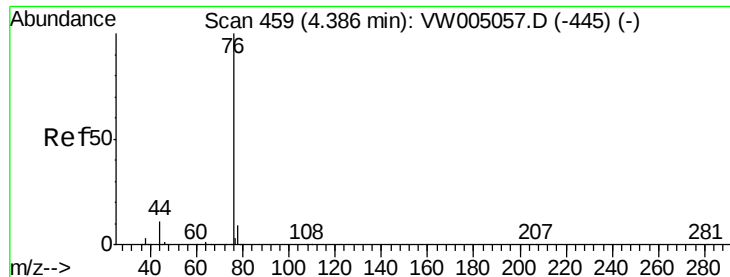
Delta R.T. -0.00 min

Lab File: VW005060.D

Acq: 01 Sep 2018 02:20

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 653600 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 34.8  | 29.0  | 43.6   |





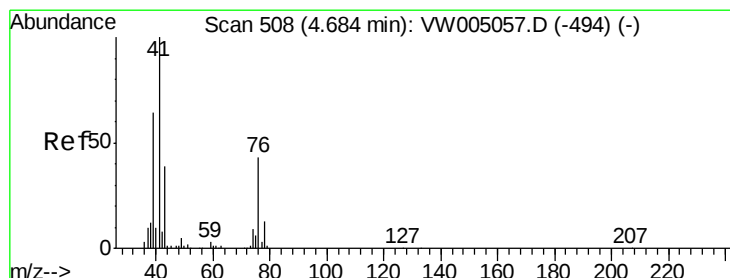
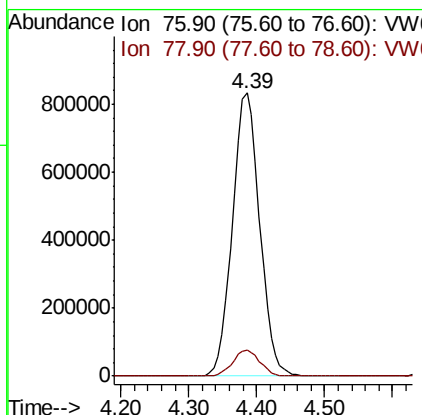
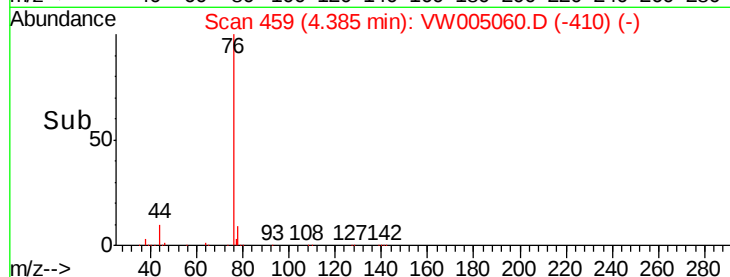
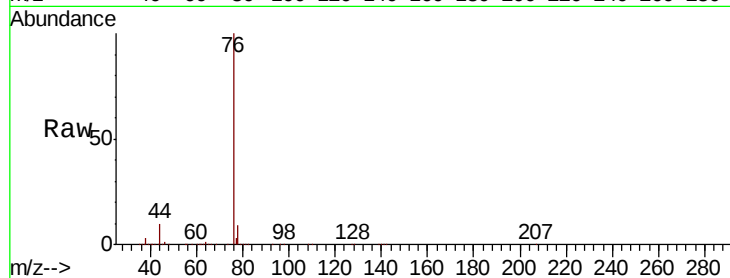
#17  
Carbon Disulfide  
Concen: 151.19 ug/l  
RT: 4.39 min Scan# 459  
Delta R.T. -0.00 min  
Lab File: VW005060.D  
Acq: 01 Sep 2018 02:20

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC150

Tot Ion: 76 Resp: 2319674  
Ion Ratio Lower Upper  
76 100  
78 9.2 7.3 10.9

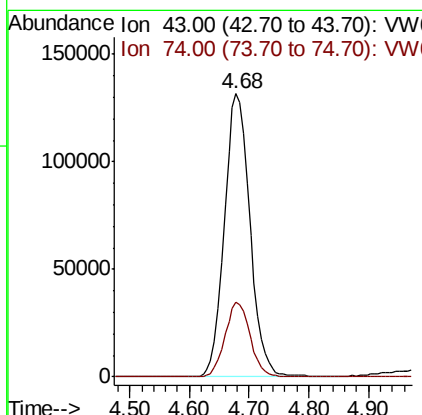
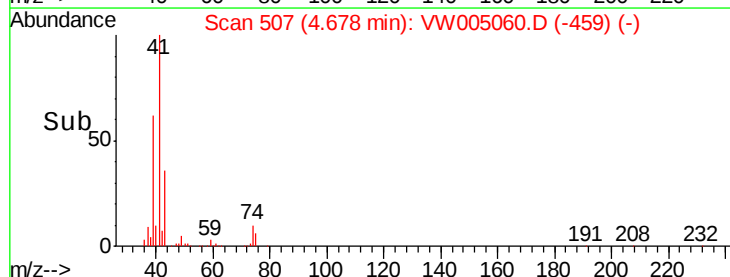
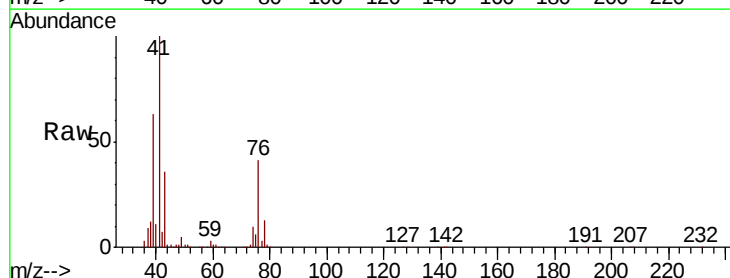
Manual Integrations  
APPROVED

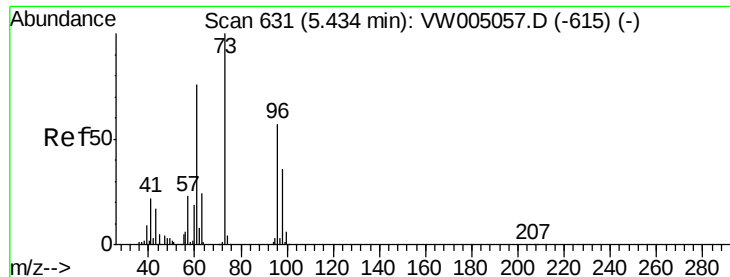
apatel  
9/4/2018 9:37:16 AM



#18  
Methyl Acetate  
Concen: 198.17 ug/l  
RT: 4.68 min Scan# 507  
Delta R.T. -0.01 min  
Lab File: VW005060.D  
Acq: 01 Sep 2018 02:20

Tgt Ion: 43 Resp: 391045  
Ion Ratio Lower Upper  
43 100  
74 26.1 20.7 31.1





#19

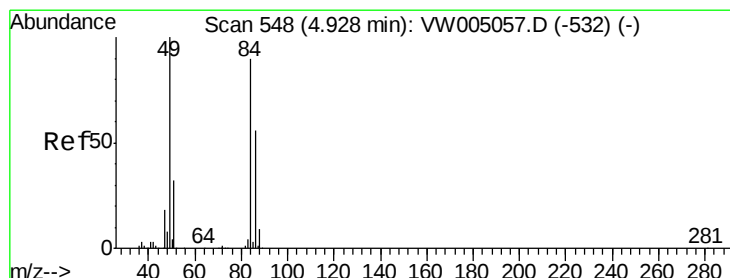
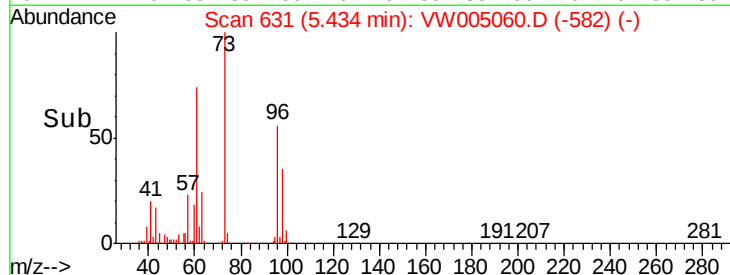
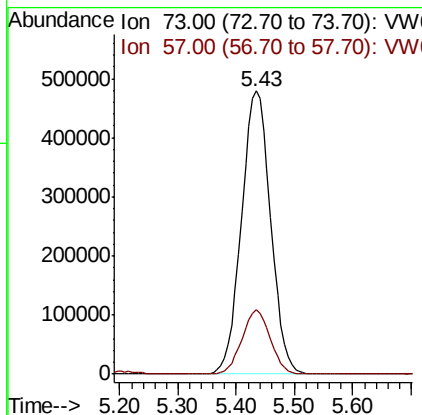
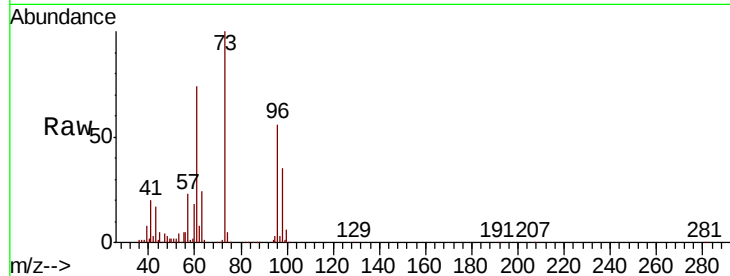
Methvl tert-butvl Ether  
 Concen: 201.12 ug/l  
 RT: 5.43 min Scan# 631  
 Delta R.T. -0.00 min  
 Lab File: VW005060.D  
 Acq: 01 Sep 2018 02:20

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC150

Tot Ion: 73 Resp: 1659306  
 Ion Ratio Lower Upper  
 73 100  
 57 22.6 18.1 27.1

Manual Integrations  
 APPROVED

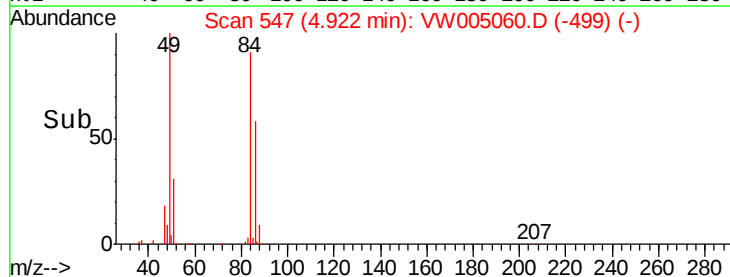
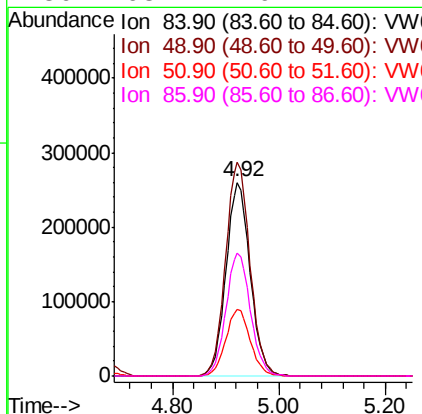
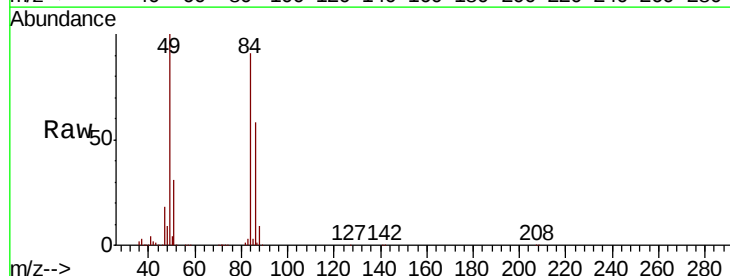
apatel  
 9/4/2018 9:37:16 AM

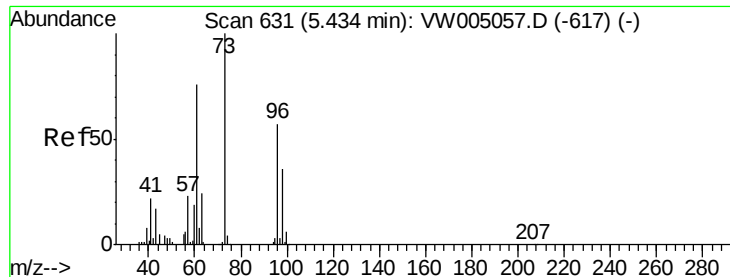


#20

Methylene Chloride  
 Concen: 124.81 ug/l  
 RT: 4.92 min Scan# 547  
 Delta R.T. -0.01 min  
 Lab File: VW005060.D  
 Acq: 01 Sep 2018 02:20

Tgt Ion: 84 Resp: 826259  
 Ion Ratio Lower Upper  
 84 100  
 49 110.3 88.7 133.1  
 51 34.5 28.6 42.8  
 86 63.7 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 192.39 ug/l

RT: 5.43 min Scan# 631

Delta R.T. -0.00 min

Lab File: VW005060.D

Acq: 01 Sep 2018 02:20

Instrument :

MSVOA\_W

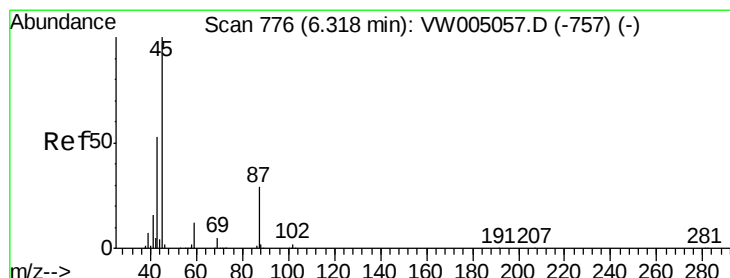
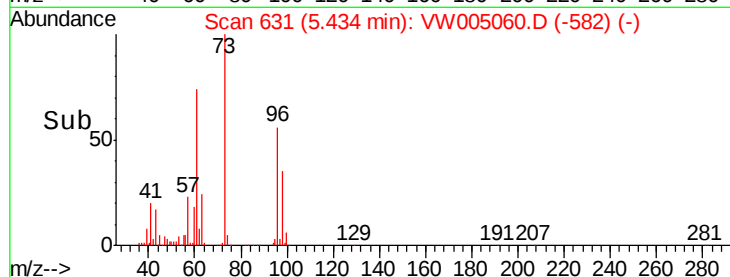
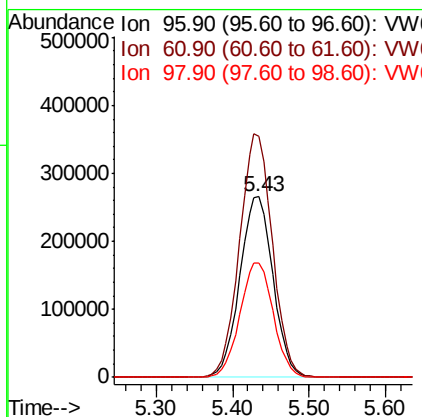
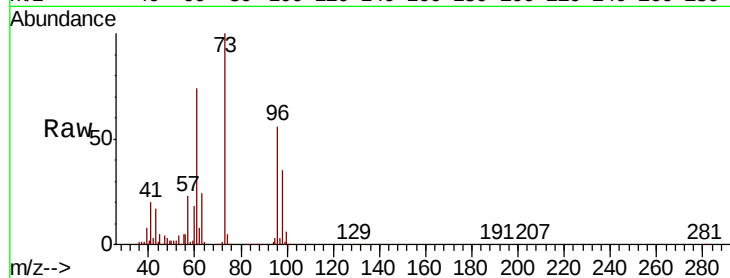
ClientSampleId :

VSTDIC150

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 799956 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 133.7 | 106.3 | 159.5  |
| 98       | 62.9  | 50.9  | 76.3   |

Manual Integrations  
APPROVED

apatel  
9/4/2018 9:37:16 AM



#22

Diisopropyl ether

Concen: 190.37 ug/l

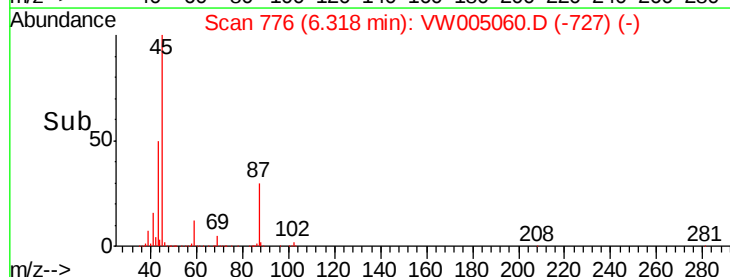
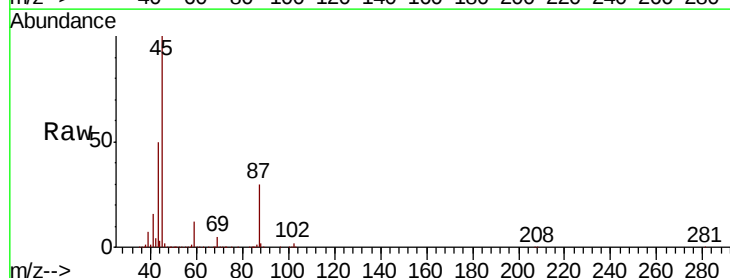
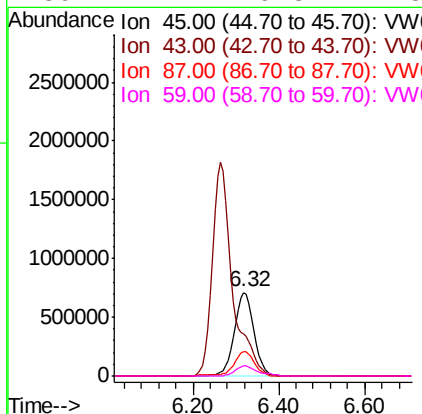
RT: 6.32 min Scan# 776

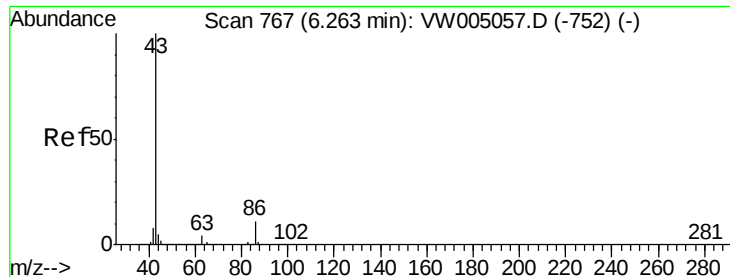
Delta R.T. -0.00 min

Lab File: VW005060.D

Acq: 01 Sep 2018 02:20

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 45    | Resp: | 2261080 |
| Ion      | Ratio | Lower | Upper   |
| 45       | 100   |       |         |
| 43       | 50.4  | 42.6  | 63.8    |
| 87       | 29.8  | 23.6  | 35.4    |
| 59       | 12.4  | 9.8   | 14.8    |





#23

Vinyl Acetate

Concen: 982.65 ug/l

RT: 6.26 min Scan# 767

Delta R.T. -0.00 min

Lab File: VW005060.D

Acq: 01 Sep 2018 02:20

Instrument :

MSVOA\_W

ClientSampleId :

VSTDICC150

Tot Ion: 43 Resp: 6008531

Ion Ratio Lower Upper

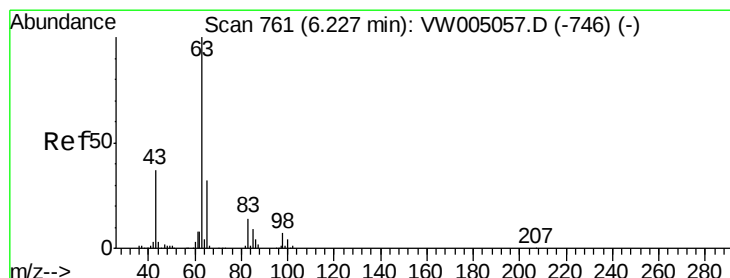
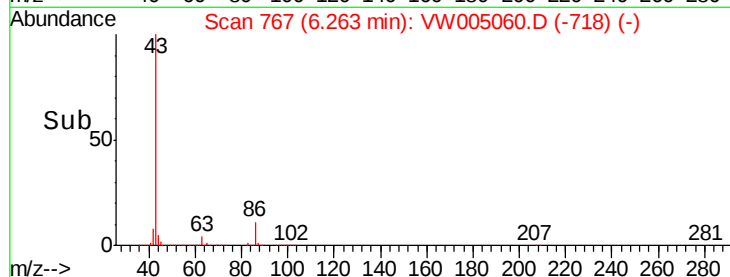
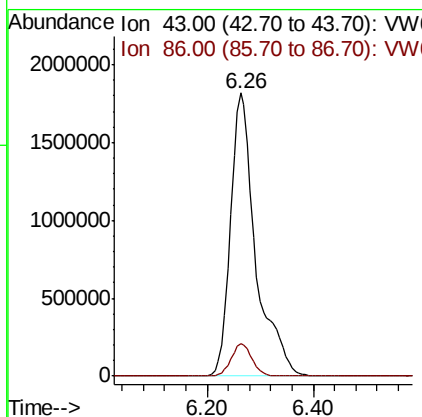
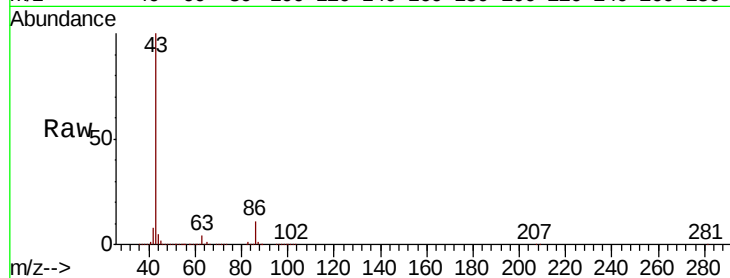
43 100

86 11.3 9.0 13.4

Manual Integrations  
APPROVED

apatel

9/4/2018 9:37:16 AM



#24

1,1-Dichloroethane

Concen: 186.60 ug/l

RT: 6.23 min Scan# 761

Delta R.T. -0.00 min

Lab File: VW005060.D

Acq: 01 Sep 2018 02:20

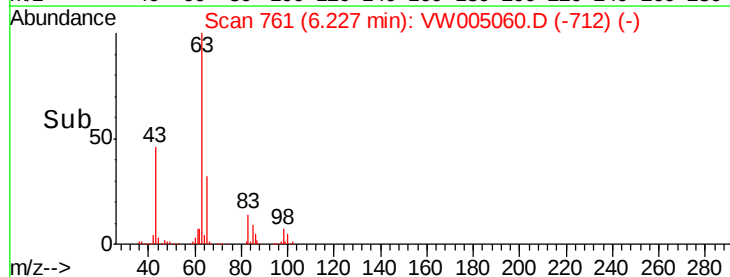
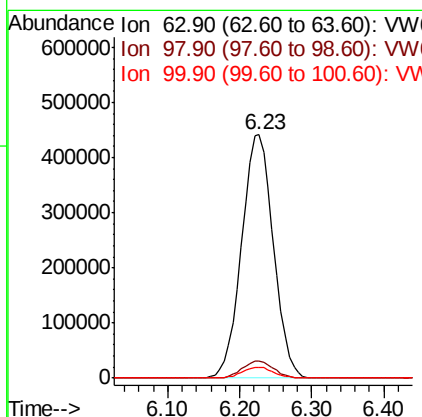
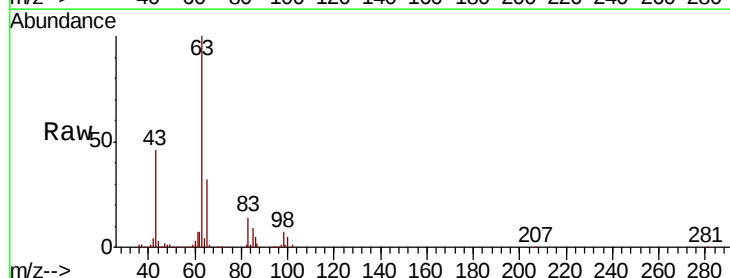
Tgt Ion: 63 Resp: 1349503

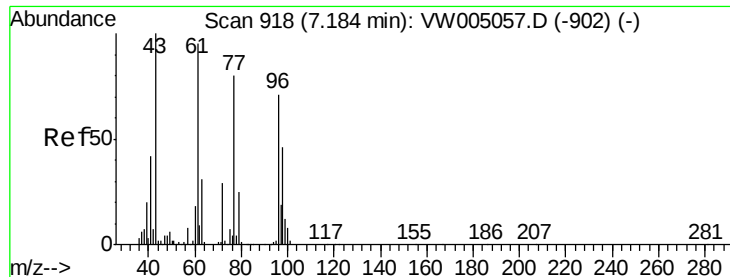
Ion Ratio Lower Upper

63 100

98 7.1 3.6 10.8

100 4.6 2.2 6.6





#25

2-Butanone

Concen: 902.62 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.01 min

Lab File: VW005060.D

Acq: 01 Sep 2018 02:20

Instrument :

MSVOA\_W

ClientSampled :

VSTDIC150

Tot Ion: 43 Resp: 1129357

Ion Ratio Lower Upper

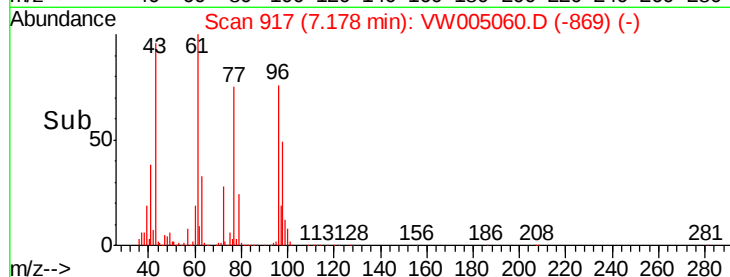
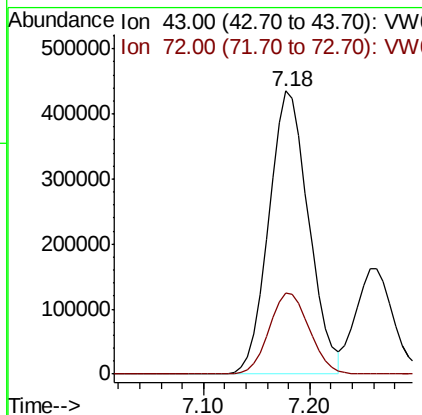
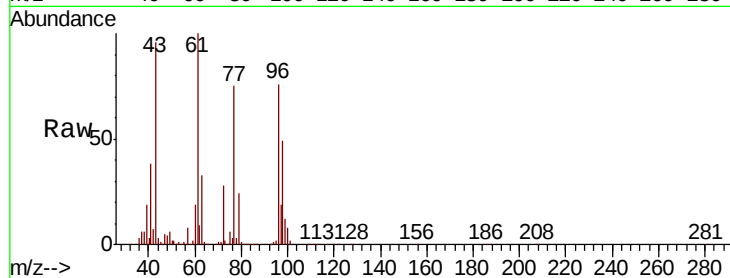
43 100

72 28.8 23.1 34.7

Manual Integrations  
APPROVED

apatel

9/4/2018 9:37:16 AM



#26

2,2-Dichloropropane

Concen: 158.28 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.00 min

Lab File: VW005060.D

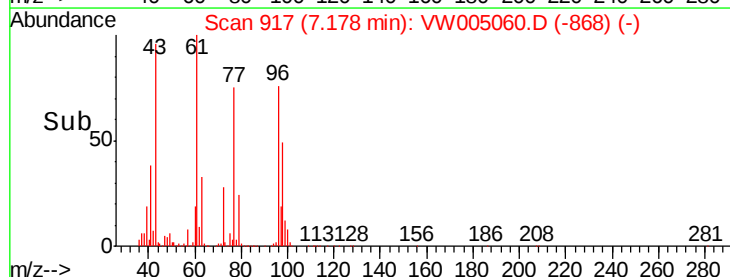
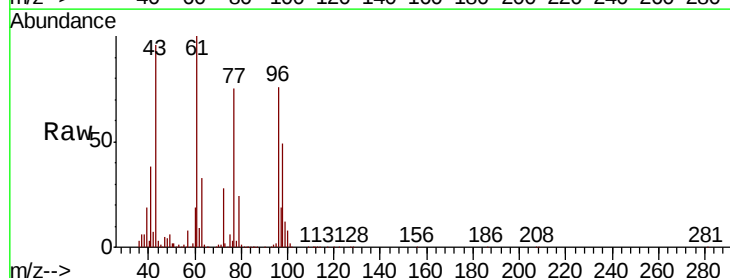
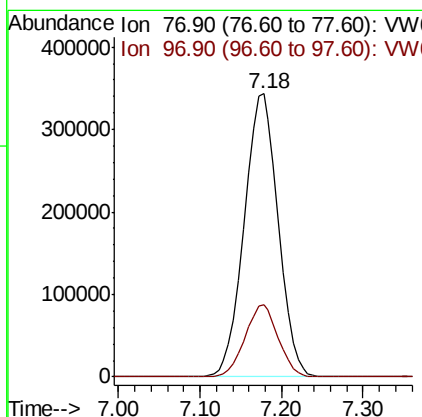
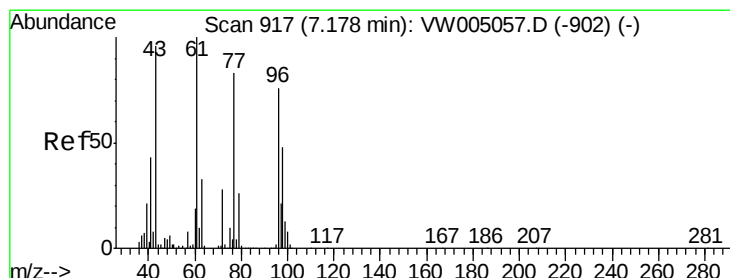
Acq: 01 Sep 2018 02:20

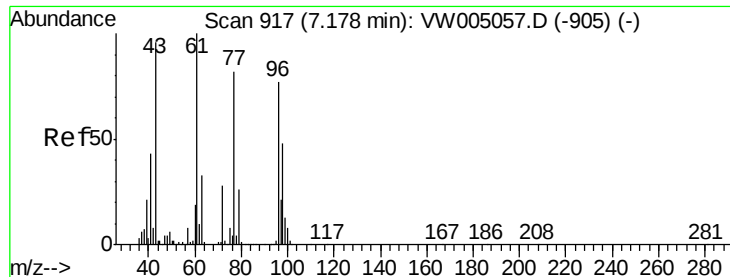
Tgt Ion: 77 Resp: 993829

Ion Ratio Lower Upper

77 100

97 24.9 12.2 36.6





#27

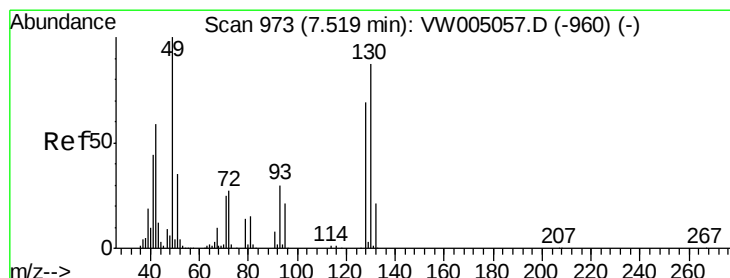
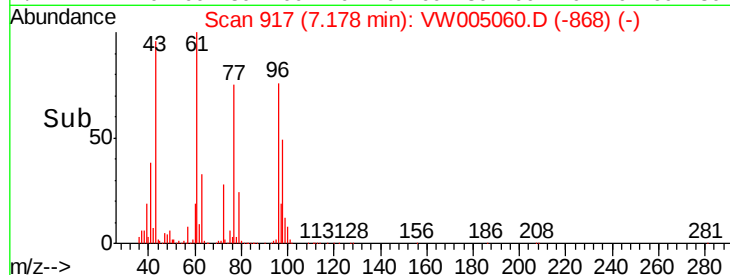
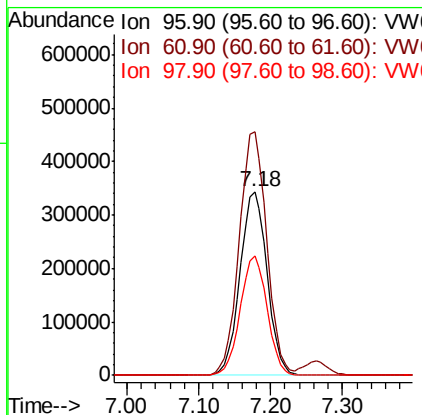
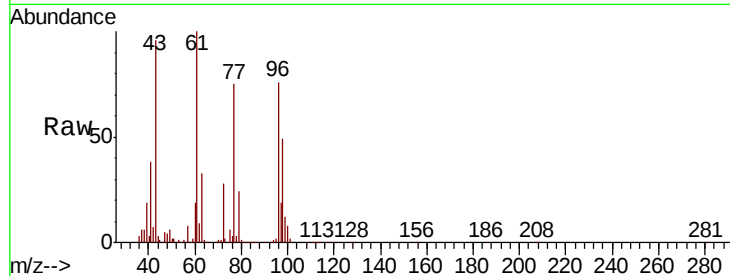
cis-1,2-Dichloroethene  
 Concen: 197.20 ug/l  
 RT: 7.18 min Scan# 917  
 Delta R.T. -0.00 min  
 Lab File: VW005060.D  
 Acq: 01 Sep 2018 02:20

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 896605 |       |       |
| 61      | 134.8 |        | 0.0   | 273.2 |
| 98      | 64.4  |        | 0.0   | 127.8 |

Manual Integrations  
 APPROVED

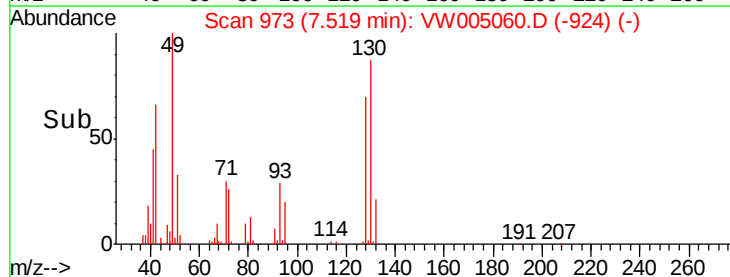
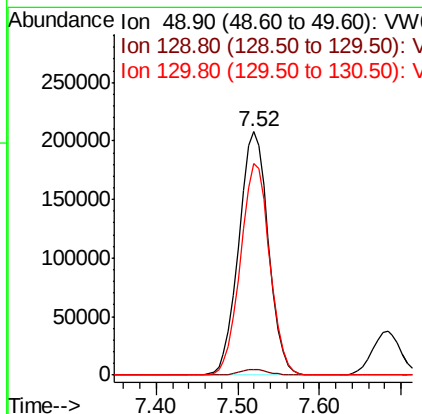
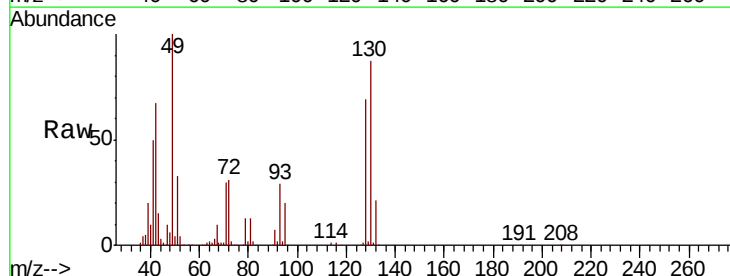
apatel  
 9/4/2018 9:37:16 AM

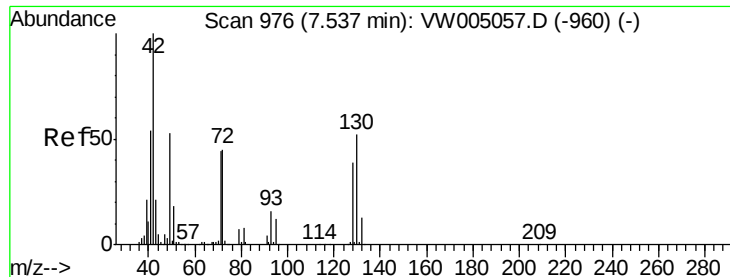


#28

Bromochloromethane  
 Concen: 167.53 ug/l  
 RT: 7.52 min Scan# 973  
 Delta R.T. -0.00 min  
 Lab File: VW005060.D  
 Acq: 01 Sep 2018 02:20

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 521266 |       |       |
| 129     | 2.2   |        | 0.0   | 4.4   |
| 130     | 86.3  |        | 69.6  | 104.4 |





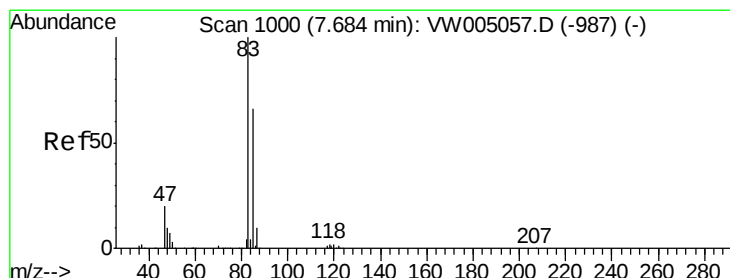
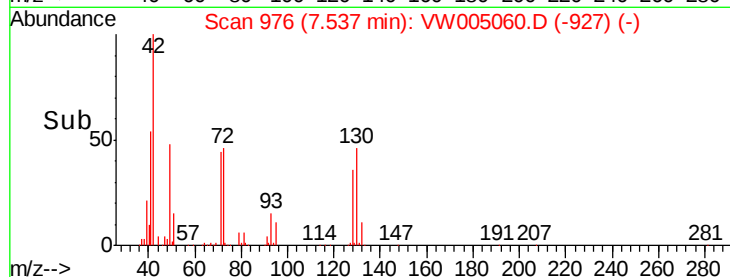
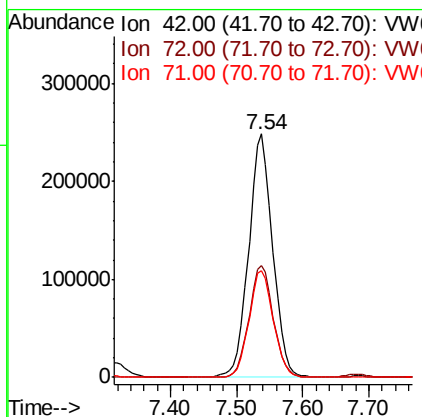
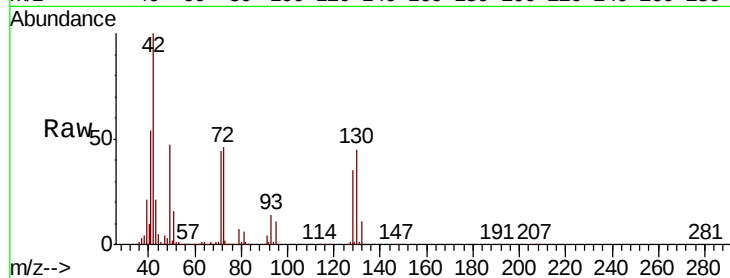
#29  
Tetrahydrofuran  
Concen: 984.85 ug/l  
RT: 7.54 min Scan# 976  
Delta R.T. -0.00 min  
Lab File: VW005060.D  
Acq: 01 Sep 2018 02:20

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 46.6  | 37.0  | 55.4  |
| 71      | 44.3  | 35.0  | 52.6  |

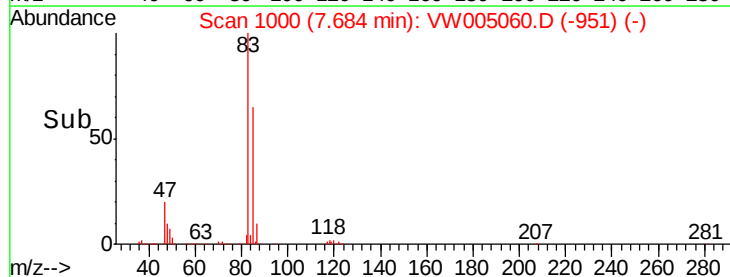
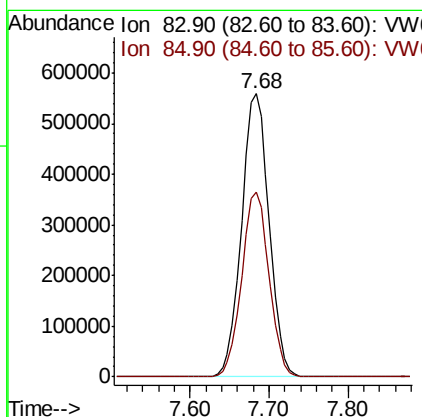
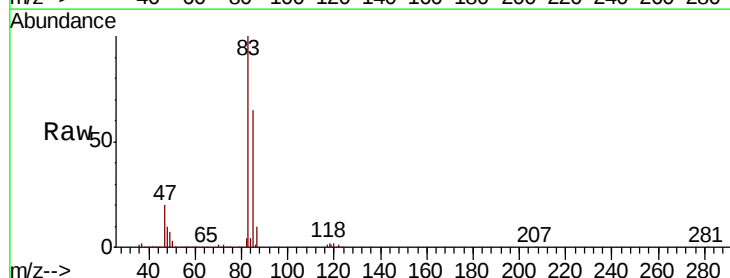
Manual Integrations  
APPROVED

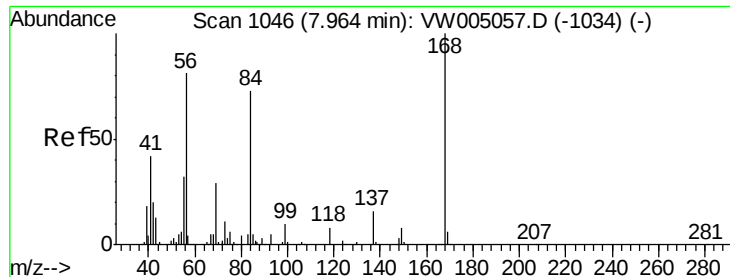
apatel  
9/4/2018 9:37:16 AM



#30  
Chloroform  
Concen: 188.64 ug/l  
RT: 7.68 min Scan# 1000  
Delta R.T. -0.00 min  
Lab File: VW005060.D  
Acq: 01 Sep 2018 02:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.4  | 53.1  | 79.7  |





#31

Cyclohexane

Concen: 160.02 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.01 min

Lab File: VW005060.D

Acq: 01 Sep 2018 02:20

Instrument :

MSVOA\_W

ClientSampled :

VSTDIC150

Tot Ion: 56 Resp: 1204235

Ion Ratio Lower Upper

56 100

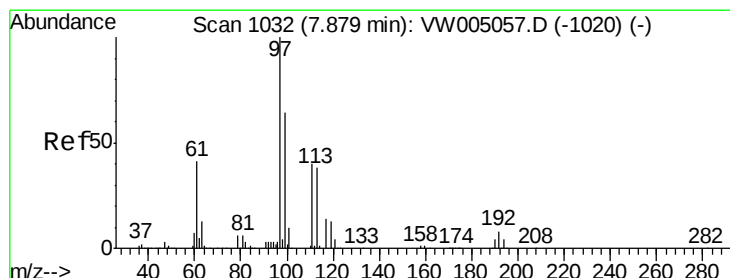
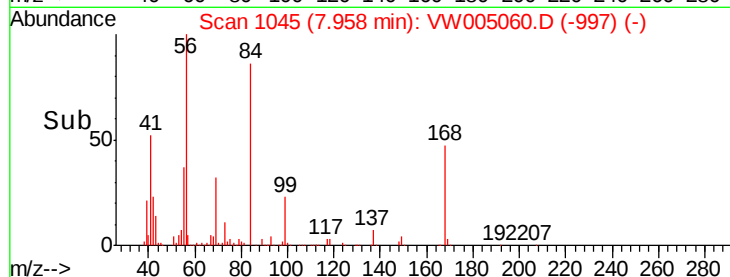
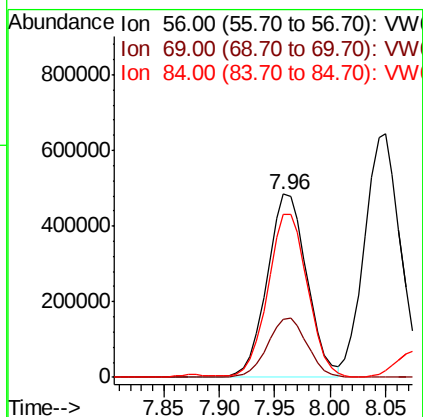
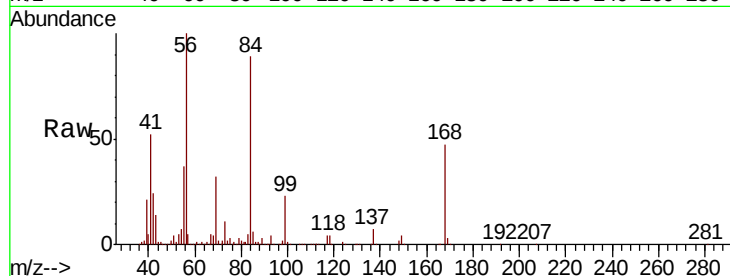
69 31.8 28.2 42.2

84 87.6 71.8 107.8

Manual Integrations  
APPROVED

apatel

9/4/2018 9:37:16 AM



#32

1,1,1-Trichloroethane

Concen: 168.83 ug/l

RT: 7.88 min Scan# 1032

Delta R.T. -0.00 min

Lab File: VW005060.D

Acq: 01 Sep 2018 02:20

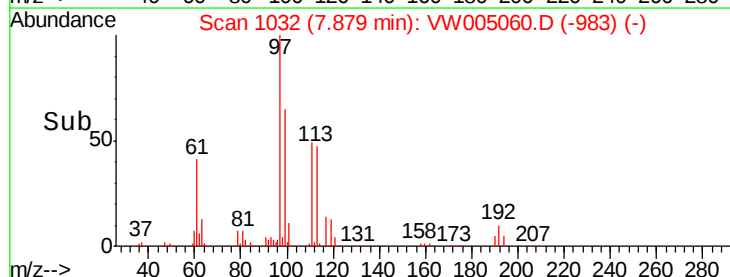
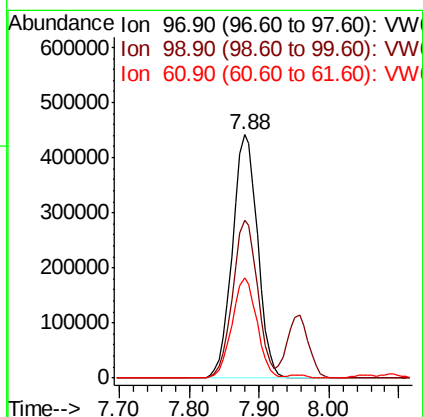
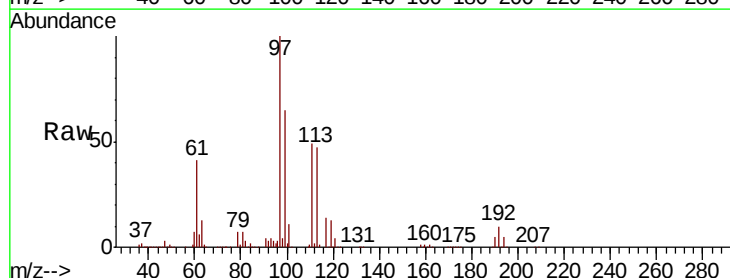
Tgt Ion: 97 Resp: 1101703

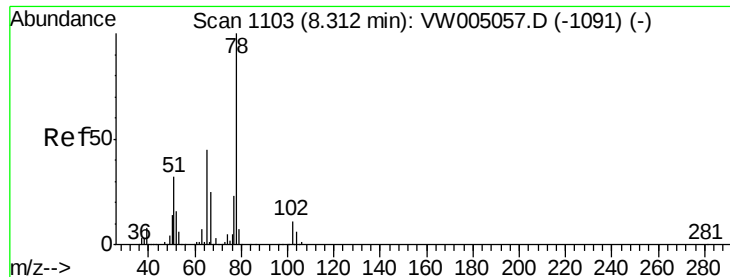
Ion Ratio Lower Upper

97 100

99 64.5 51.8 77.8

61 40.8 33.2 49.8





#33

1,2-Dichloroethane-d4

Concen: 182.52 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VW005060.D

Acq: 01 Sep 2018 02:20

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 647974

Ion Ratio Lower Upper

65 100

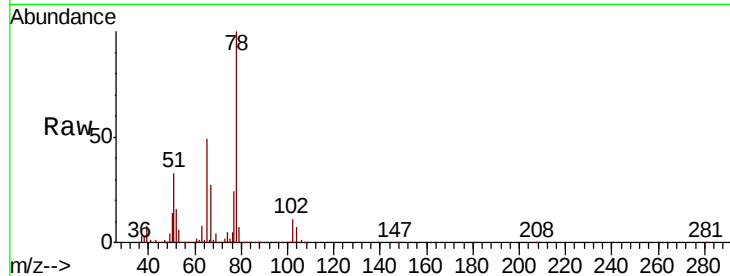
67 55.0 0.0 109.4

Manual Integrations

APPROVED

apatel

9/4/2018 9:37:16 AM



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

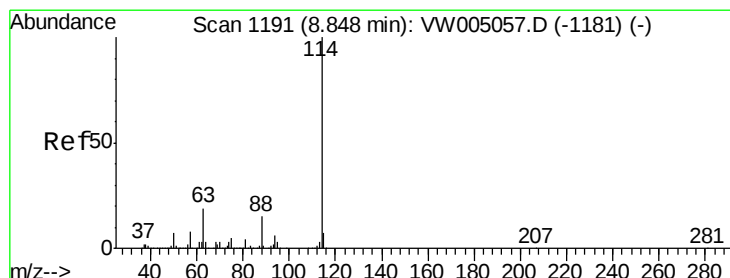
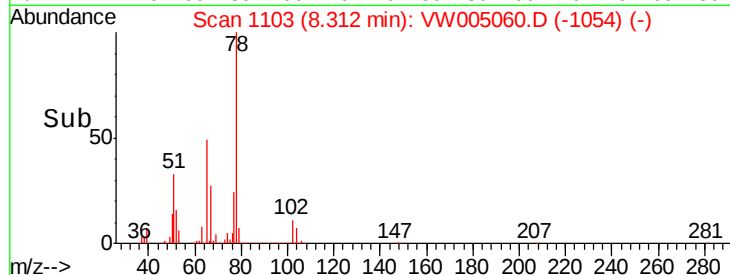
300000

200000

100000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW005060.D

Acq: 01 Sep 2018 02:20

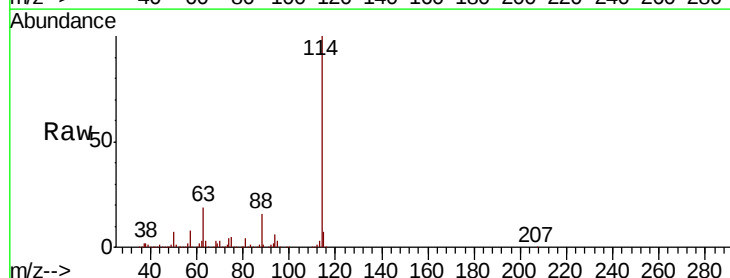
Tgt Ion: 114 Resp: 742705

Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.0

88 15.6 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

8.85

500000

400000

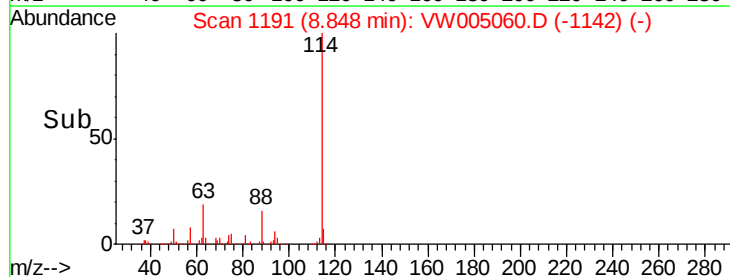
300000

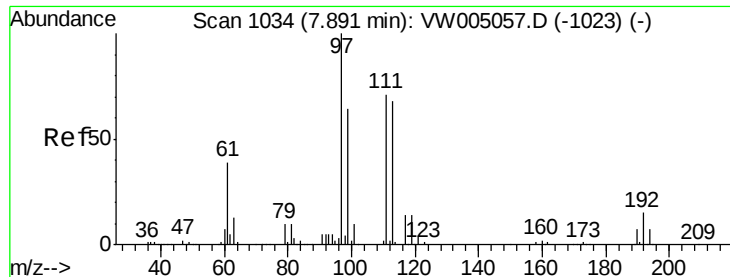
200000

100000

0

Time-->





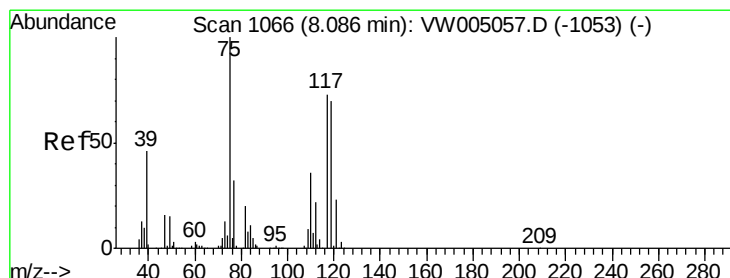
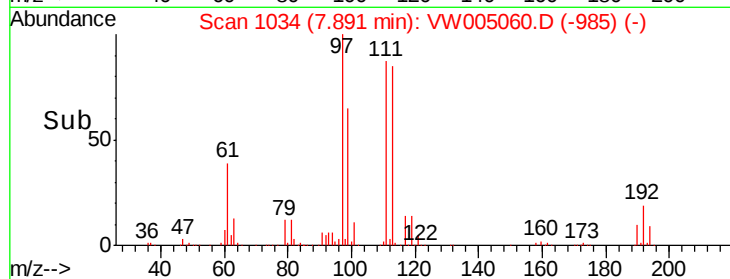
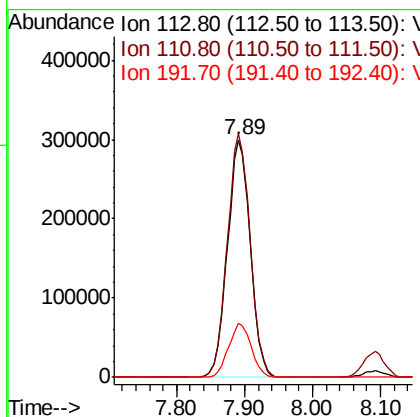
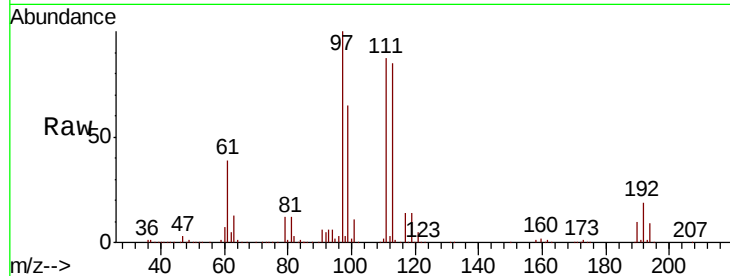
#35  
 Dibromofluoromethane  
 Concen: 183.29 ug/l  
 RT: 7.89 min Scan# 1034  
 Delta R.T. -0.00 min  
 Lab File: VW005060.D  
 Acq: 01 Sep 2018 02:20

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 692481 |       |       |
| 111     | 103.0 | 82.2   | 123.2 |       |
| 192     | 22.5  | 18.1   | 27.1  |       |

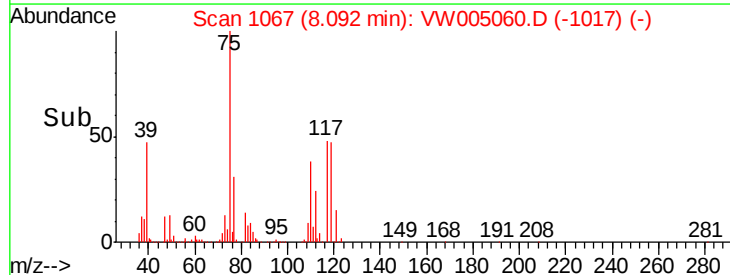
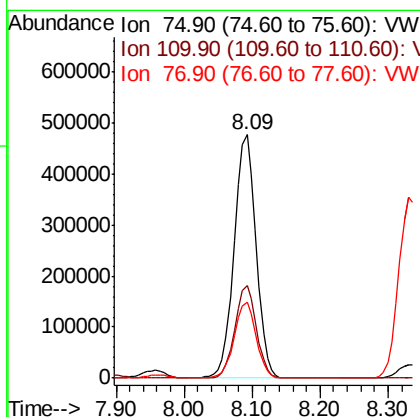
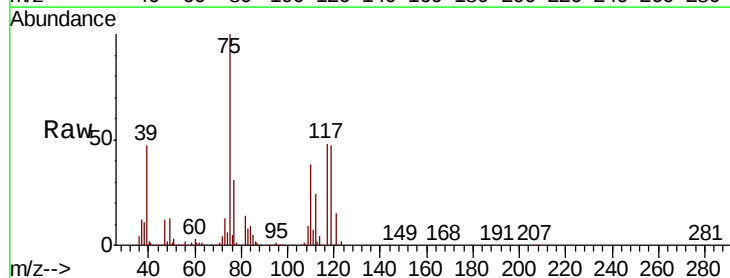
Manual Integrations  
 APPROVED

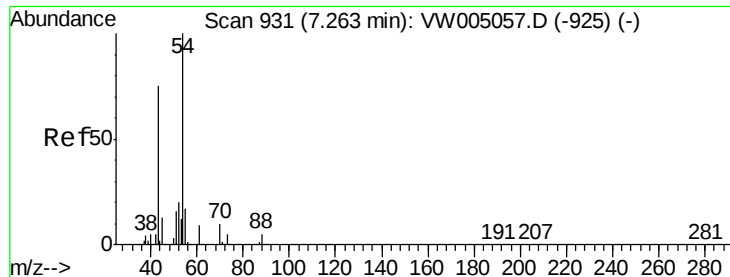
apatel  
 9/4/2018 9:37:16 AM



#36  
 1,1-Dichloropropene  
 Concen: 166.57 ug/l  
 RT: 8.09 min Scan# 1067  
 Delta R.T. 0.01 min  
 Lab File: VW005060.D  
 Acq: 01 Sep 2018 02:20

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 75      | 100   | 1065300 |       |       |
| 110     | 37.3  | 18.9    | 56.7  |       |
| 77      | 31.4  | 25.5    | 38.3  |       |





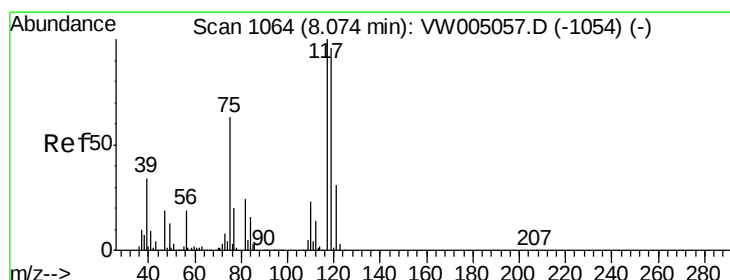
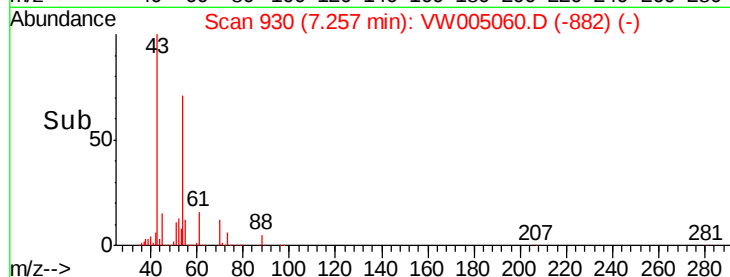
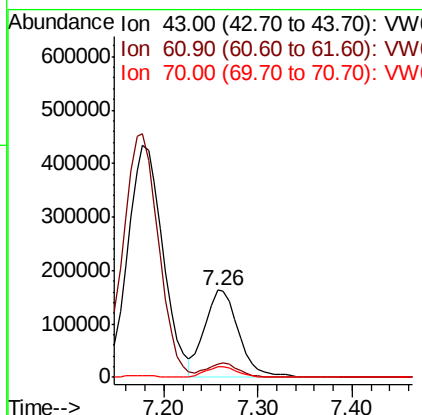
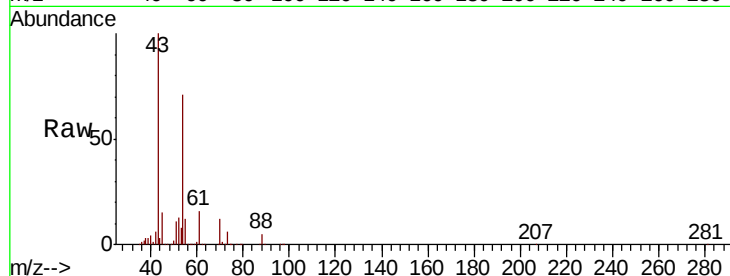
#37  
Ethyl Acetate  
Concen: 175.18 ug/l  
RT: 7.26 min Scan# 930  
Delta R.T. -0.01 min  
Lab File: VW005060.D  
Acq: 01 Sep 2018 02:20

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 15.4  | 12.1  | 18.1  |
| 70      | 11.8  | 9.4   | 14.2  |

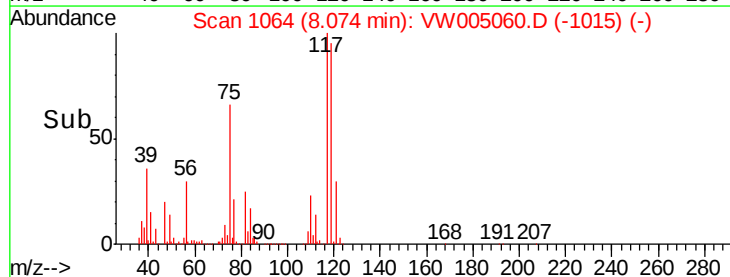
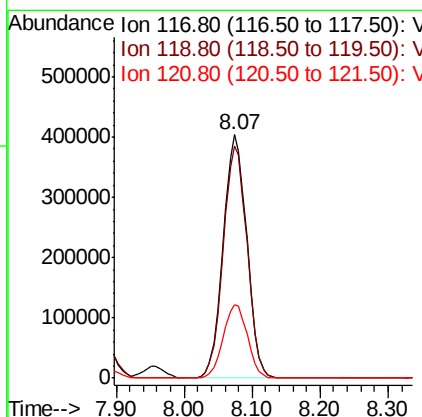
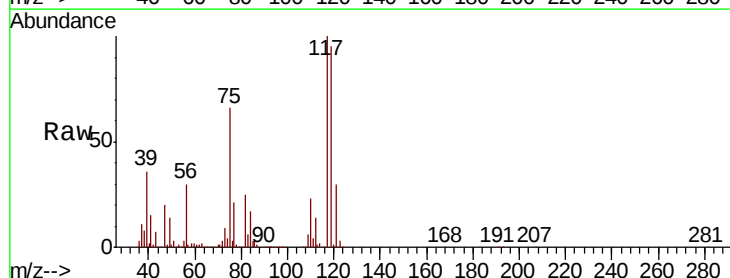
Manual Integrations  
APPROVED

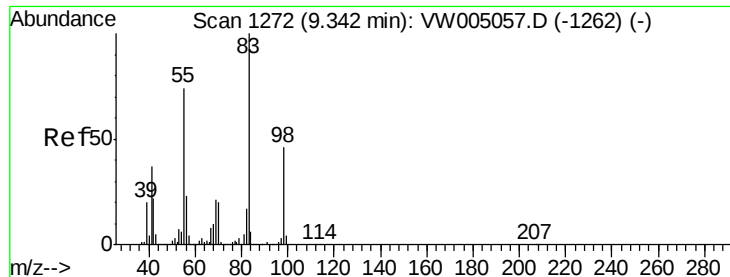
apatel  
9/4/2018 9:37:16 AM



#38  
Carbon Tetrachloride  
Concen: 155.88 ug/l  
RT: 8.07 min Scan# 1064  
Delta R.T. -0.00 min  
Lab File: VW005060.D  
Acq: 01 Sep 2018 02:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 95.4  | 76.6  | 115.0 |
| 121     | 30.3  | 24.8  | 37.2  |





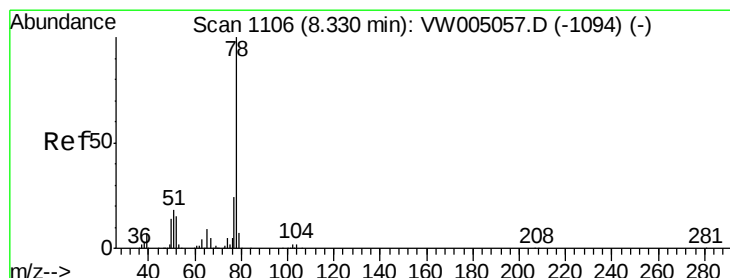
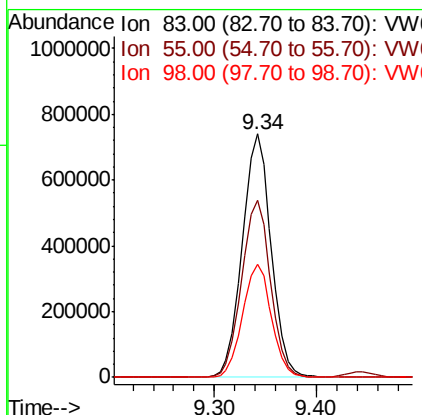
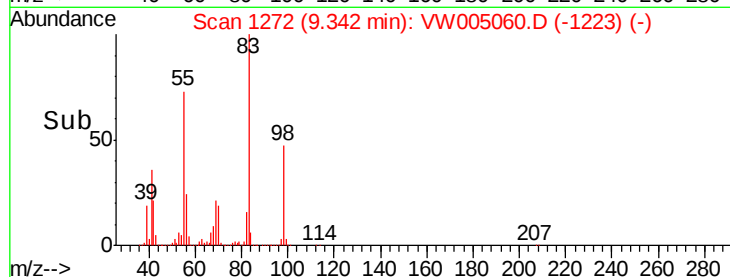
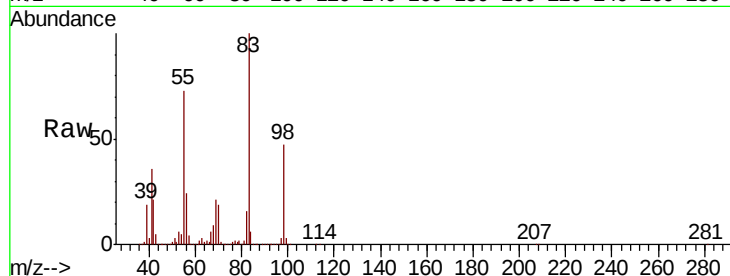
#39  
Methvlcvclohexane  
Concen: 166.72 ug/l  
RT: 9.34 min Scan# 1272  
Delta R.T. -0.00 min  
Lab File: VW005060.D  
Acq: 01 Sep 2018 02:20

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 72.8  | 58.9  | 88.3  |
| 98      | 46.6  | 36.8  | 55.2  |

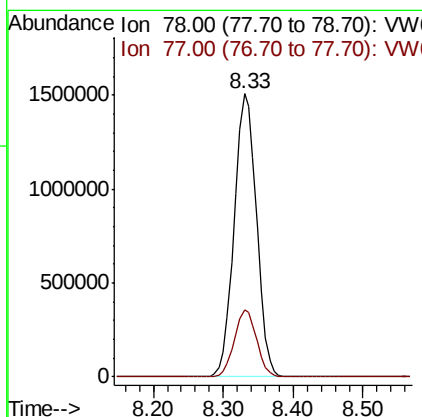
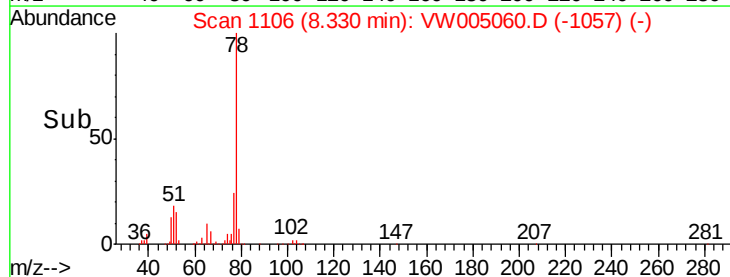
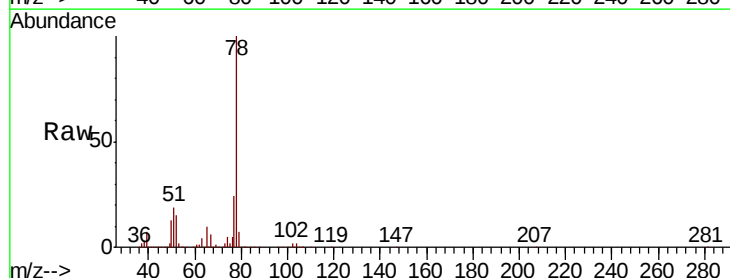
Manual Integrations  
APPROVED

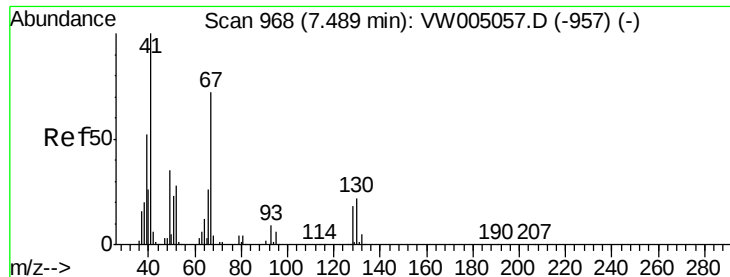
apatel  
9/4/2018 9:37:16 AM



#40  
Benzene  
Concen: 163.86 ug/l  
RT: 8.33 min Scan# 1106  
Delta R.T. -0.00 min  
Lab File: VW005060.D  
Acq: 01 Sep 2018 02:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.6  | 19.4  | 29.0  |





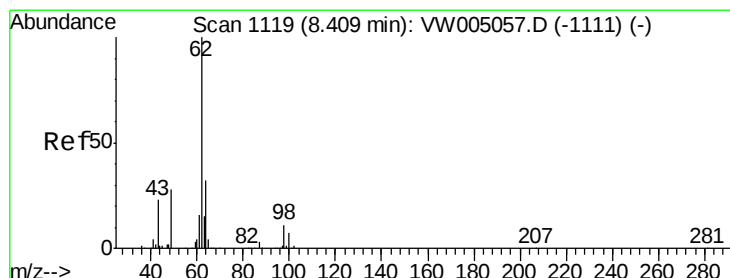
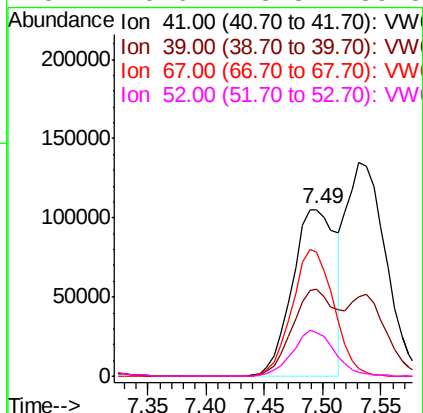
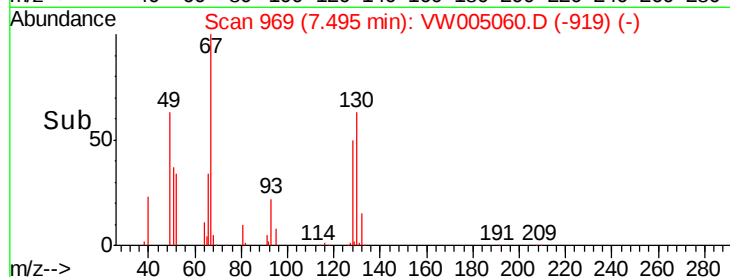
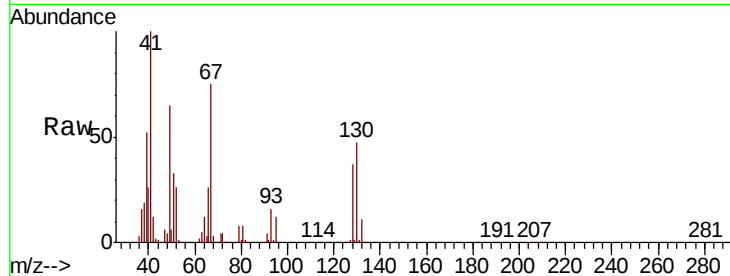
#41  
Methacrylonitrile  
Concen: 199.21 ug/l  
RT: 7.49 min Scan# 969  
Delta R.T. 0.01 min  
Lab File: VW005060.D  
Acq: 01 Sep 2018 02:20

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICC150

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 41      | 100  |       | 274702 |       |       |
| 39      | 55.8 | 41.8  | 62.8   |       |       |
| 67      | 73.0 | 60.4  | 90.6   |       |       |
| 52      | 26.6 | 23.8  | 35.8   |       |       |

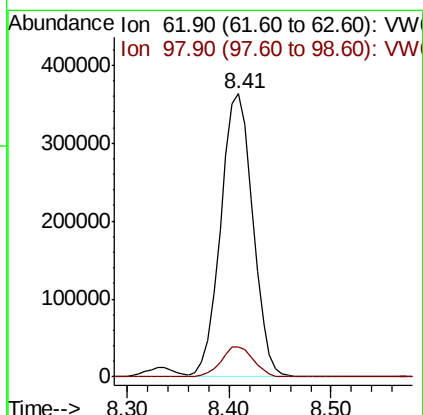
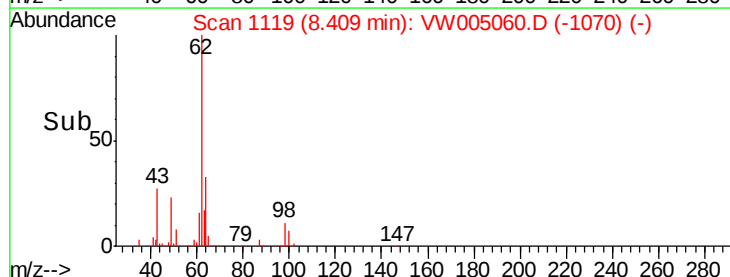
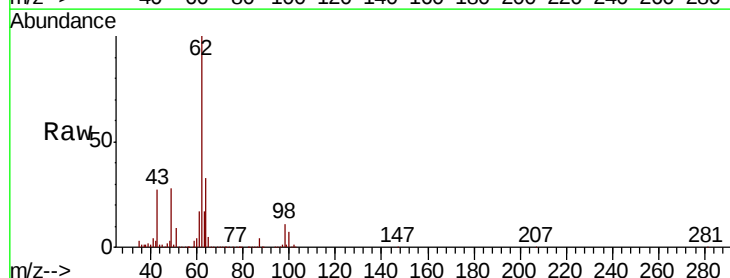
Manual Integrations  
APPROVED

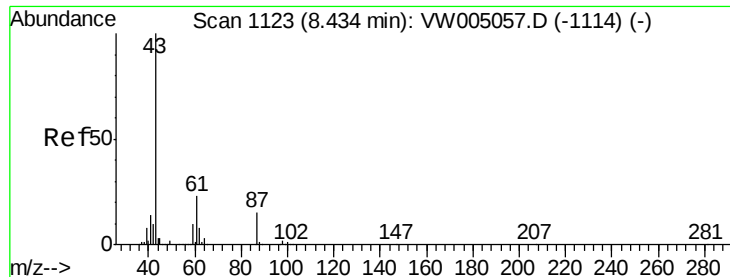
apatel  
9/4/2018 9:37:16 AM



#42  
1,2-Dichloroethane  
Concen: 171.08 ug/l  
RT: 8.41 min Scan# 1119  
Delta R.T. -0.00 min  
Lab File: VW005060.D  
Acq: 01 Sep 2018 02:20

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 62      | 100  |       | 792786 |       |       |
| 98      | 10.7 | 0.0   | 21.8   |       |       |





#43

Isopropyl Acetate

Concen: 177.44 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VW005060.D

Acq: 01 Sep 2018 02:20

Instrument :

MSVOA\_W

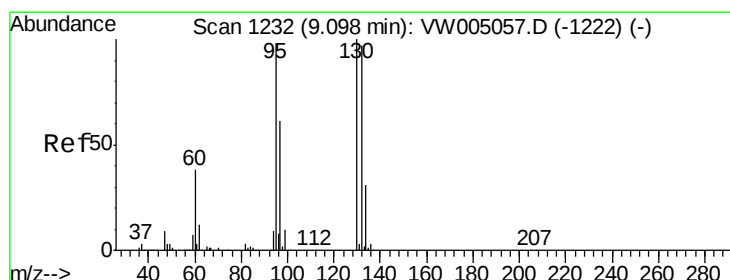
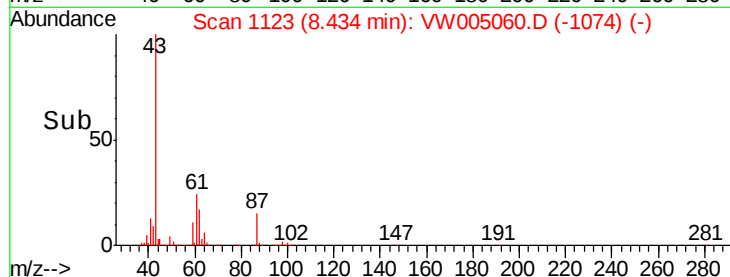
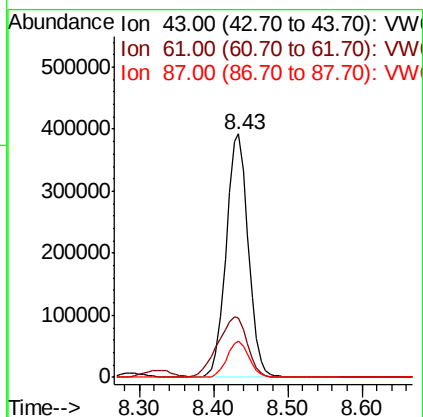
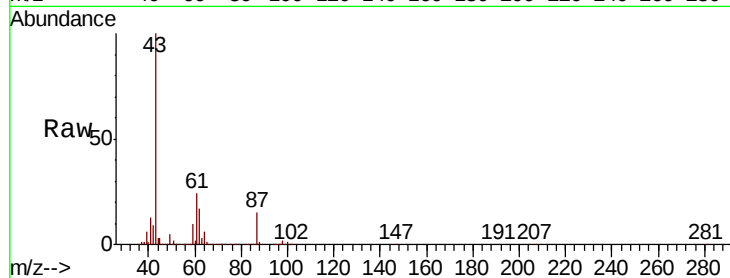
ClientSampleId :

VSTDIC150

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 812919 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 32.9  | 26.8  | 40.2   |
| 87       | 15.0  | 11.6  | 17.4   |

Manual Integrations  
APPROVED

apatel  
9/4/2018 9:37:16 AM



#44

Trichloroethene

Concen: 168.08 ug/l

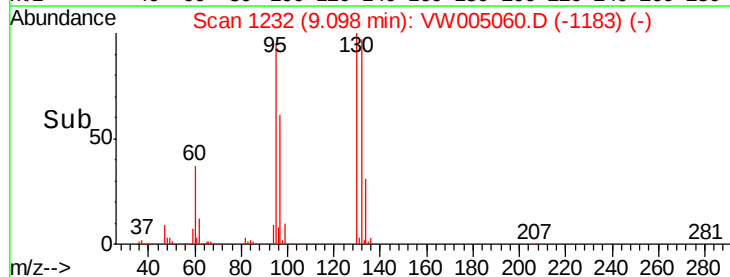
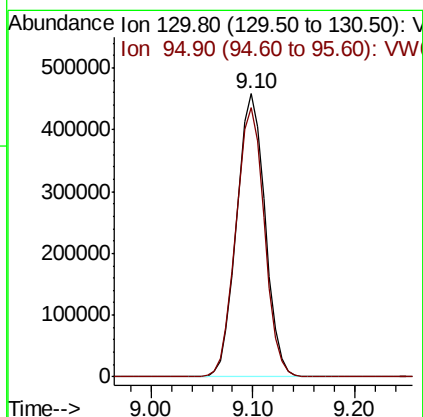
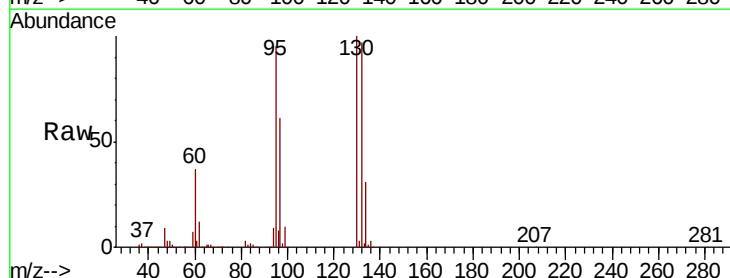
RT: 9.10 min Scan# 1232

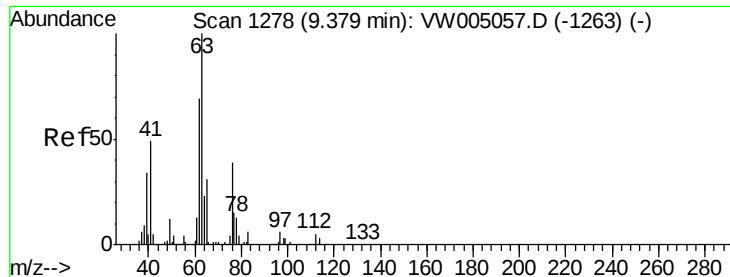
Delta R.T. -0.00 min

Lab File: VW005060.D

Acq: 01 Sep 2018 02:20

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 883255 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 95.2  | 0.0   | 195.2  |





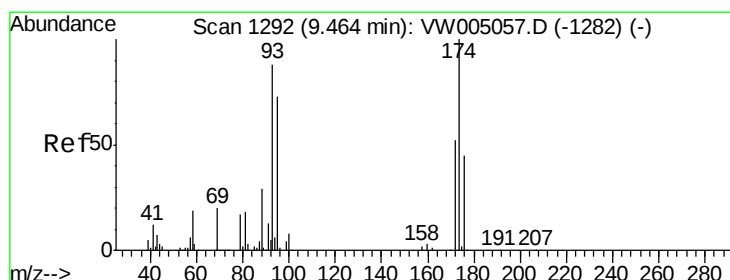
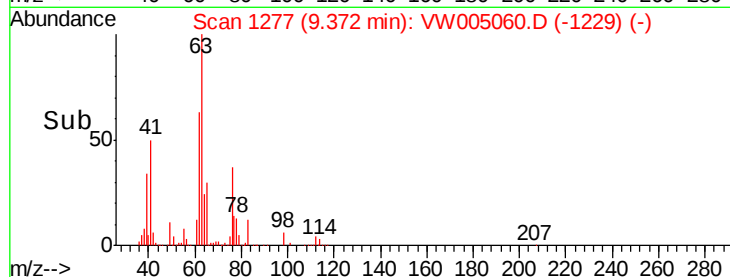
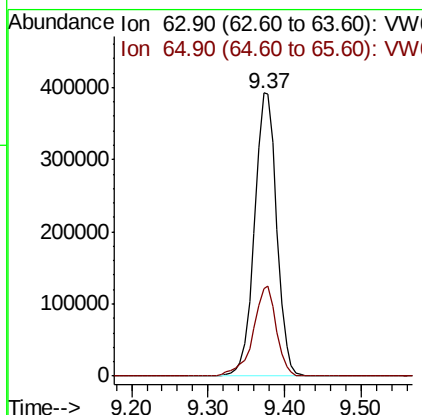
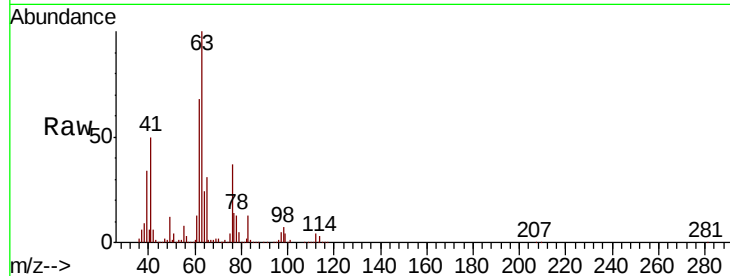
#45  
 1,2-Dichloropropane  
 Concen: 169.15 ug/l  
 RT: 9.37 min Scan# 1277  
 Delta R.T. -0.01 min  
 Lab File: VW005060.D  
 Acq: 01 Sep 2018 02:20

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 31.0  | 24.6  | 37.0  |

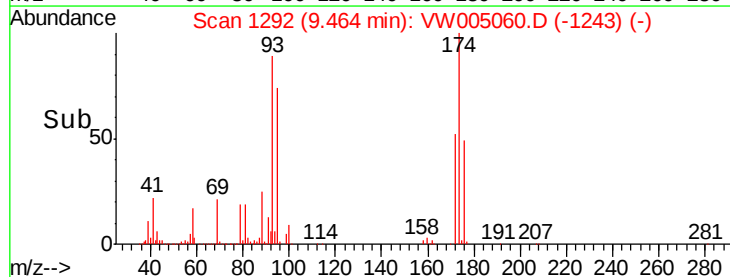
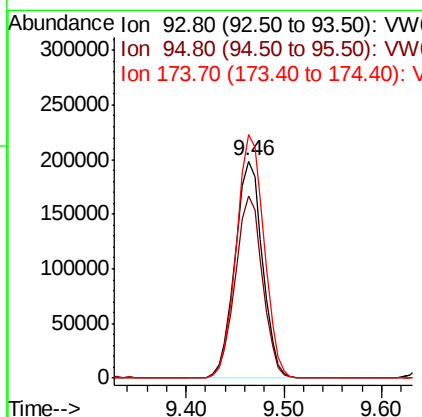
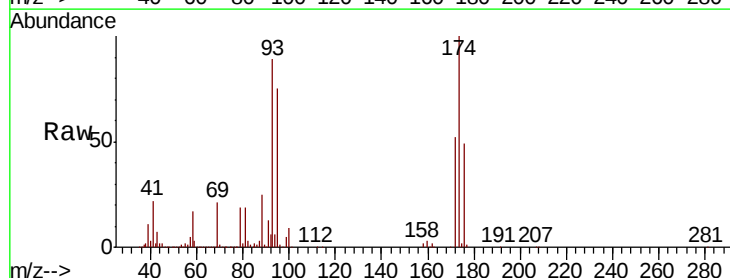
Manual Integrations  
 APPROVED

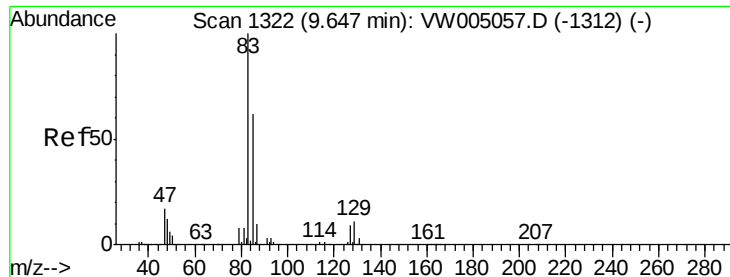
apatel  
 9/4/2018 9:37:16 AM



#46  
 Dibromomethane  
 Concen: 172.04 ug/l  
 RT: 9.46 min Scan# 1292  
 Delta R.T. -0.00 min  
 Lab File: VW005060.D  
 Acq: 01 Sep 2018 02:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 83.4  | 66.2  | 99.4  |
| 174     | 113.2 | 92.0  | 138.0 |





#47

Bromodichloromethane

Concen: 171.75 ug/l

RT: 9.65 min Scan# 1323

Delta R.T. 0.01 min

Lab File: VW005060.D

Acq: 01 Sep 2018 02:20

Instrument :

MSVOA\_W

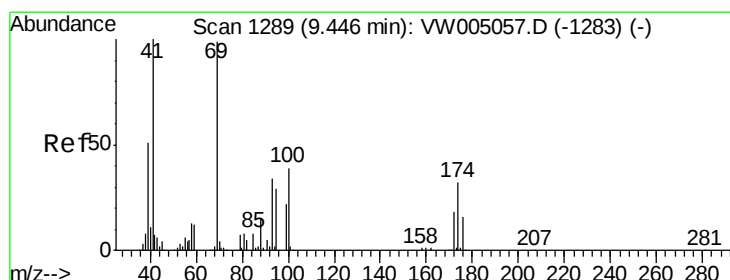
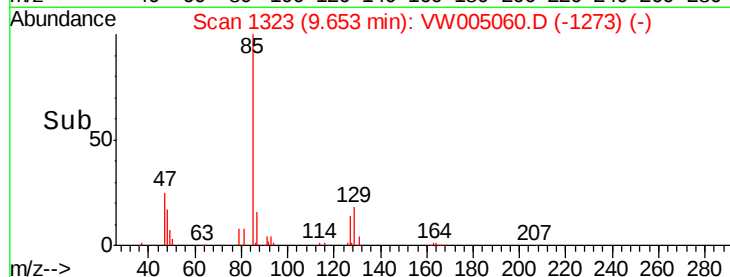
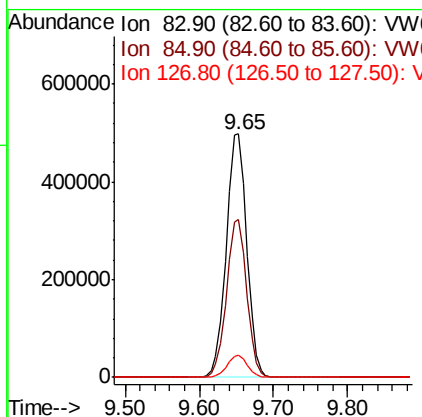
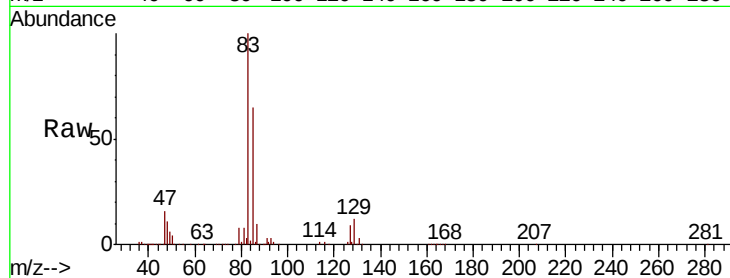
ClientSampleId :

VSTDIC150

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 957158 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 65.1  | 49.8  | 74.6   |
| 127       | 9.2   | 7.0   | 10.4   |

Manual Integrations  
APPROVED

apatel  
9/4/2018 9:37:16 AM



#48

Methyl methacrylate

Concen: 180.40 ug/l

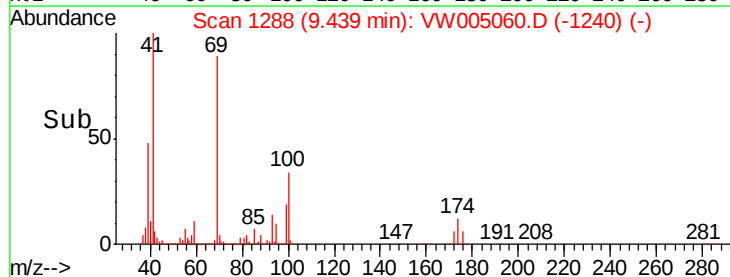
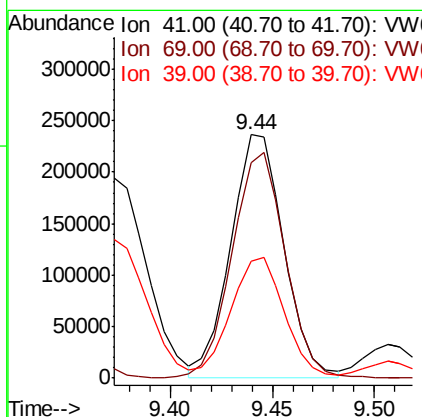
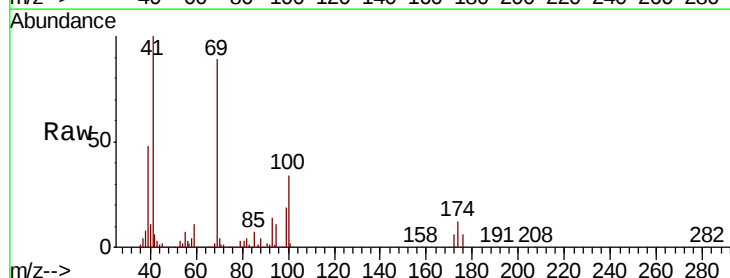
RT: 9.44 min Scan# 1288

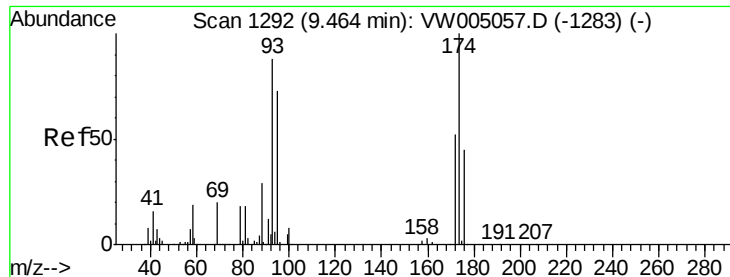
Delta R.T. -0.01 min

Lab File: VW005060.D

Acq: 01 Sep 2018 02:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 428692 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 92.7  | 80.4  | 120.6  |
| 39        | 47.1  | 43.5  | 65.3   |





#49

1,4-Dioxane

Concen: 2695.00 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VW005060.D

Acq: 01 Sep 2018 02:20

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC150

Tot Ion: 88 Resp: 122415

Ion Ratio Lower Upper

88 100

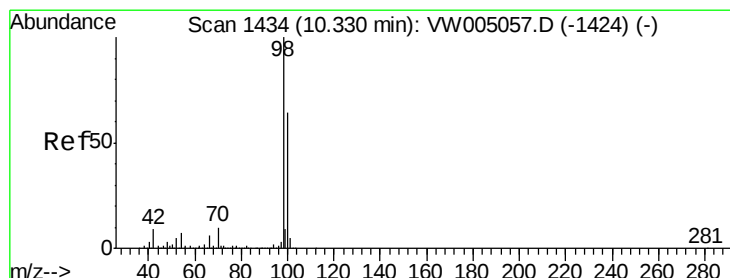
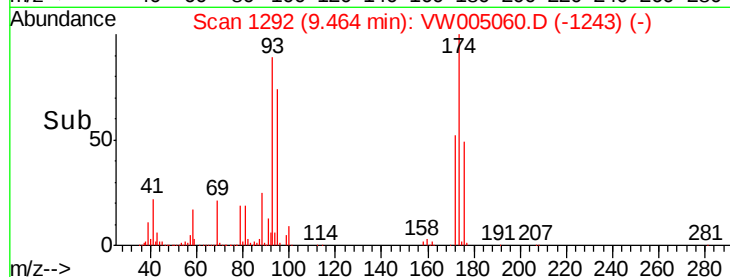
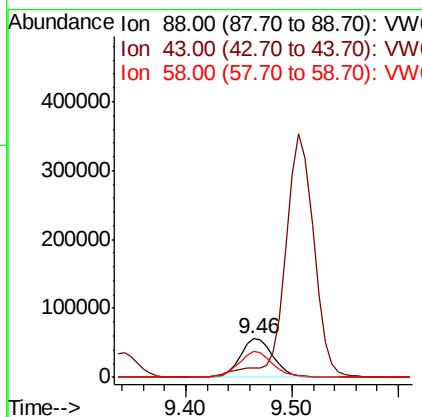
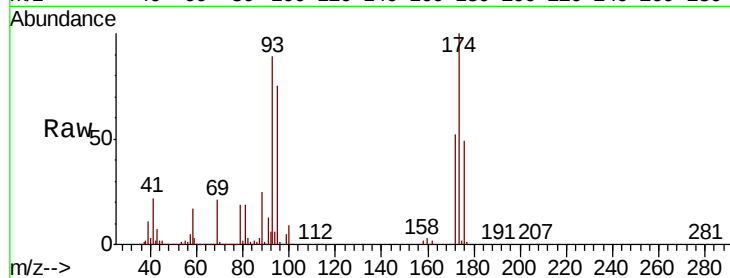
43 0.0 19.8 29.6#

58 70.8 57.1 85.7

Manual Integrations  
APPROVED

apatel

9/4/2018 9:37:16 AM



#50

Toluene-d8

Concen: 155.67 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW005060.D

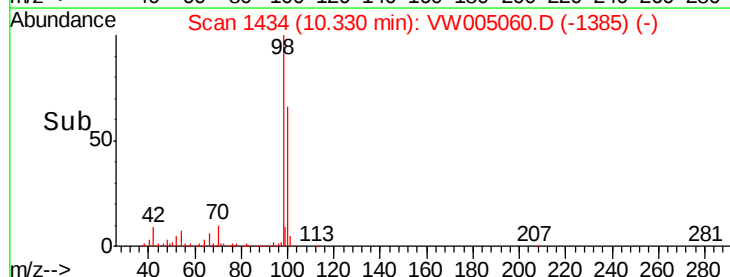
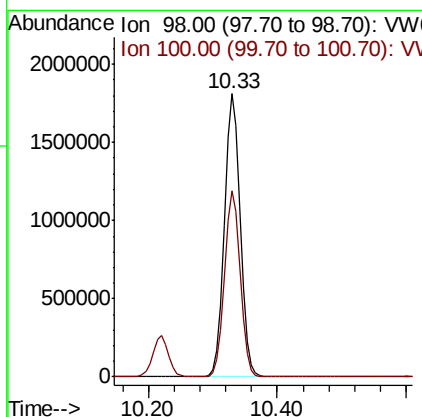
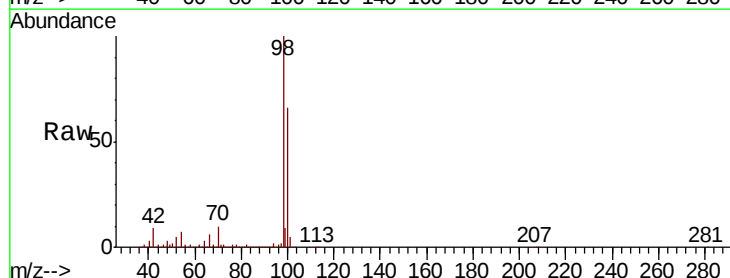
Acq: 01 Sep 2018 02:20

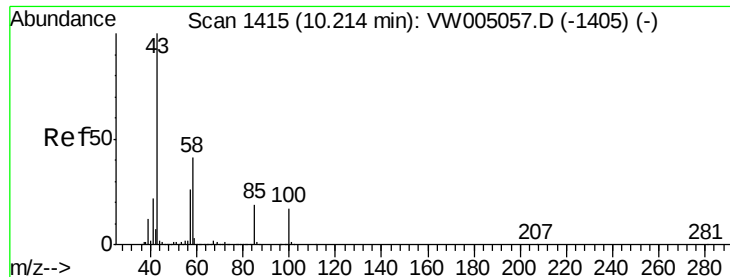
Tgt Ion: 98 Resp: 3155092

Ion Ratio Lower Upper

98 100

100 65.3 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 780.09 ug/l

RT: 10.22 min Scan# 1416

Delta R.T. 0.01 min

Lab File: VW005060.D

Acq: 01 Sep 2018 02:20

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2640414

Ion Ratio Lower Upper

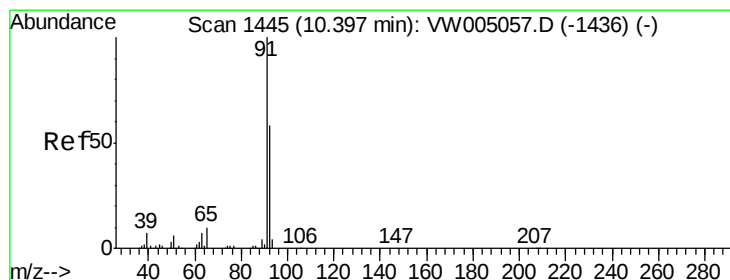
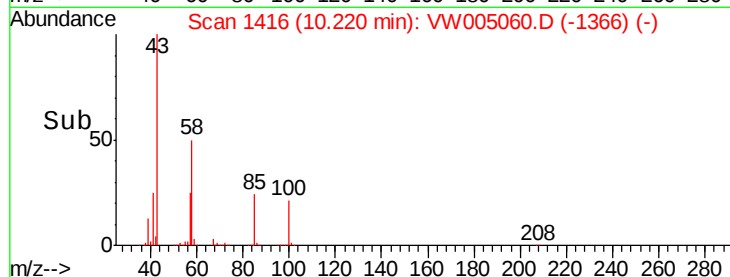
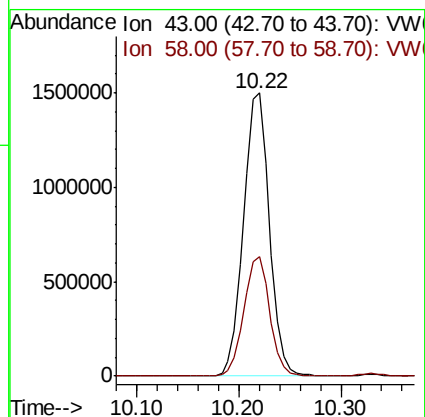
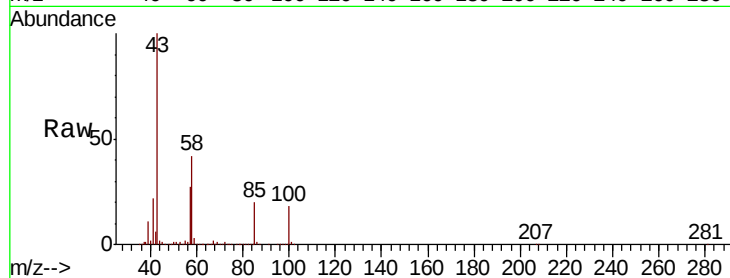
43 100

58 42.1 33.3 49.9

Manual Integrations  
APPROVED

apatel

9/4/2018 9:37:16 AM



#52

Toluene

Concen: 152.55 ug/l

RT: 10.40 min Scan# 1445

Delta R.T. -0.00 min

Lab File: VW005060.D

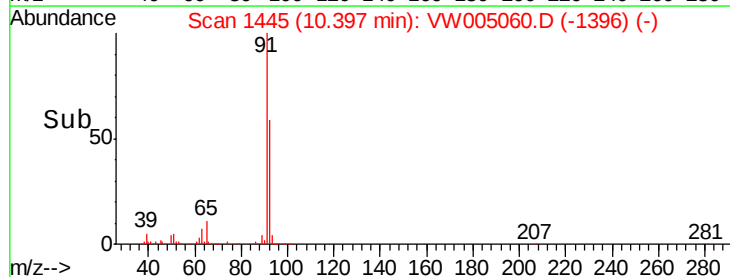
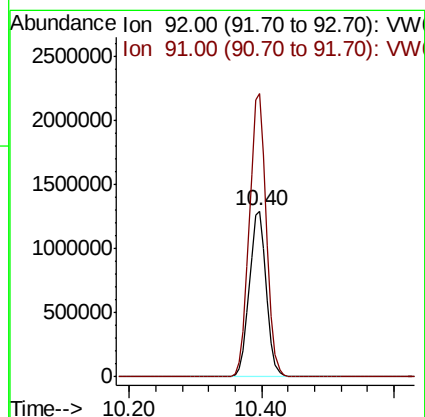
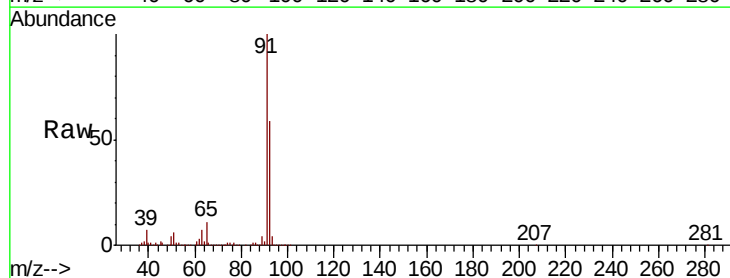
Acq: 01 Sep 2018 02:20

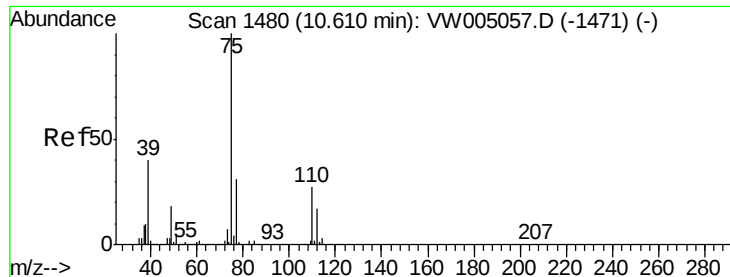
Tgt Ion: 92 Resp: 2301678

Ion Ratio Lower Upper

92 100

91 171.3 139.2 208.8





#53

t-1,3-Dichloropropene

Concen: 178.22 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW005060.D

Acq: 01 Sep 2018 02:20

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 1040357

Ion Ratio Lower Upper

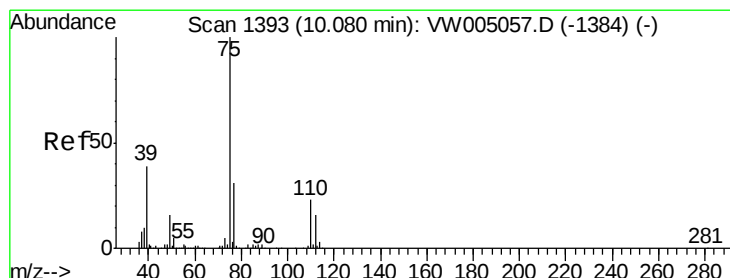
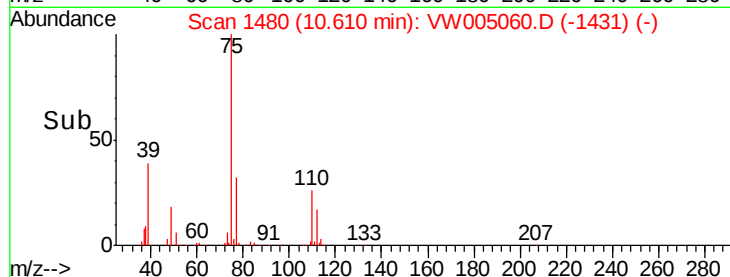
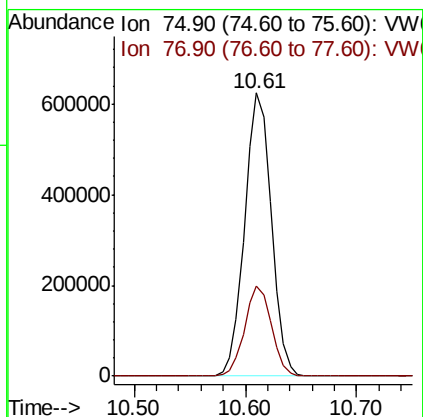
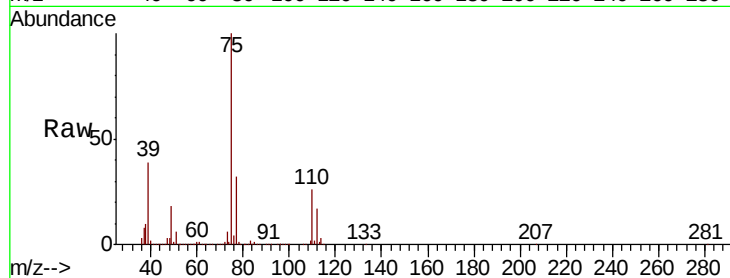
75 100

77 32.0 25.0 37.6

Manual Integrations  
APPROVED

apatel

9/4/2018 9:37:16 AM



#54

cis-1,3-Dichloropropene

Concen: 178.69 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW005060.D

Acq: 01 Sep 2018 02:20

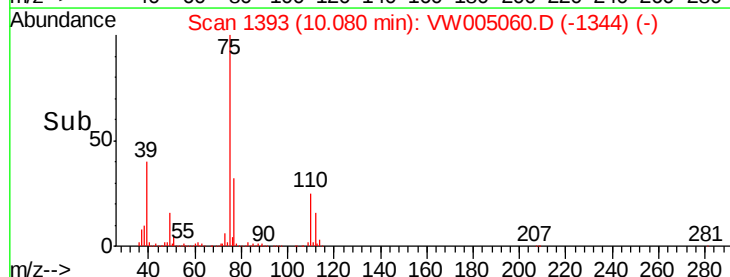
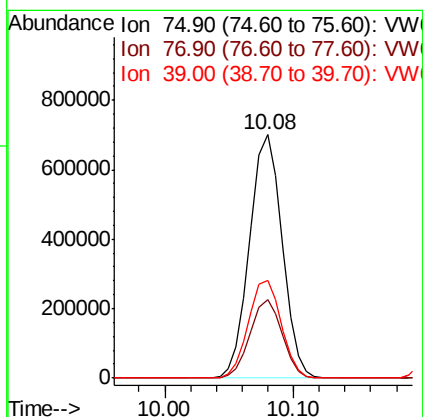
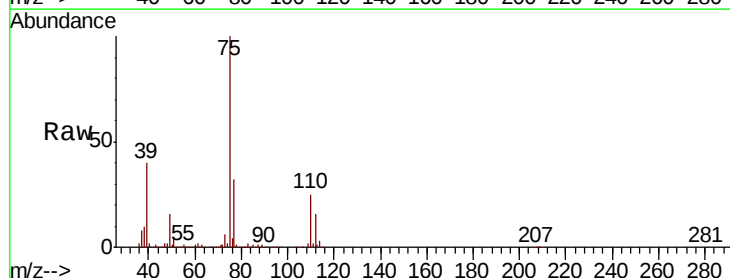
Tgt Ion: 75 Resp: 1224861

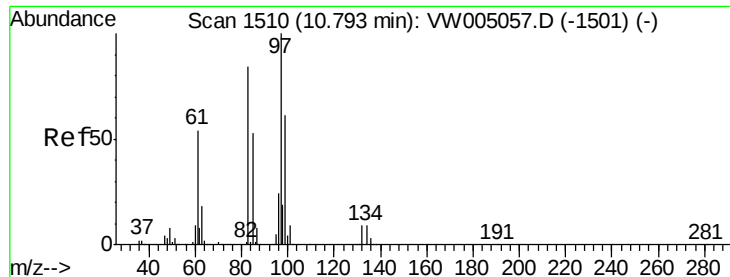
Ion Ratio Lower Upper

75 100

77 32.3 24.9 37.3

39 40.0 31.0 46.6





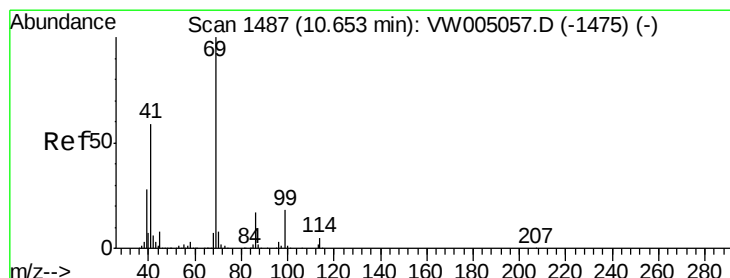
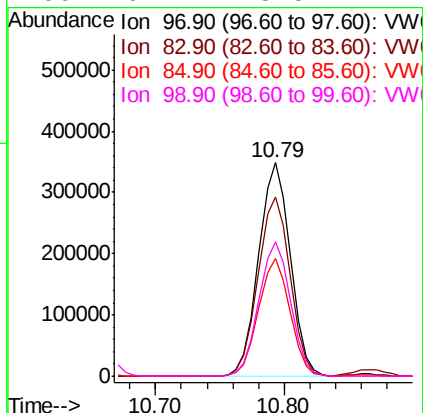
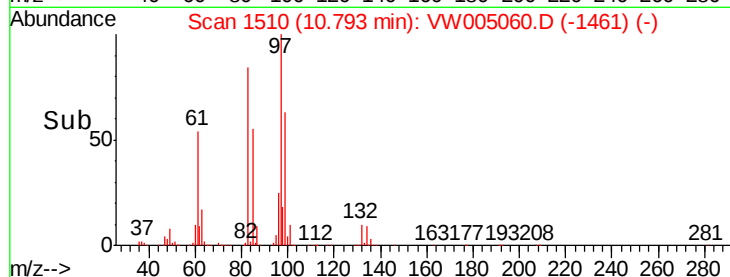
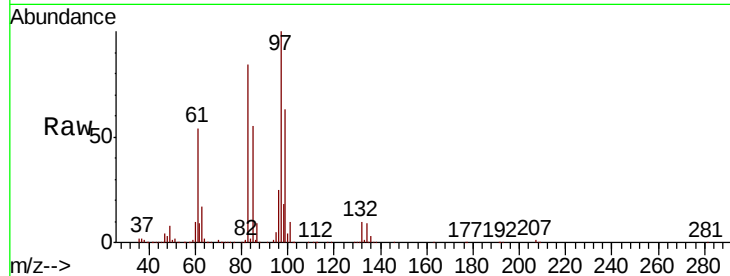
#55  
 1,1,2-Trichloroethane  
 Concen: 163.20 ug/l  
 RT: 10.79 min Scan# 1510  
 Delta R.T. -0.00 min  
 Lab File: VW005060.D  
 Acq: 01 Sep 2018 02:20

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC150

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 593689 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 84.2  | 67.0  | 100.6  |
| 85       | 55.0  | 42.3  | 63.5   |
| 99       | 62.7  | 48.5  | 72.7   |

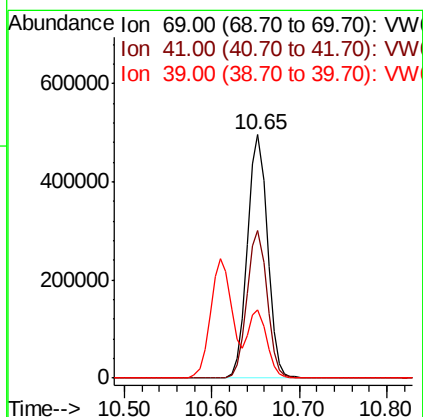
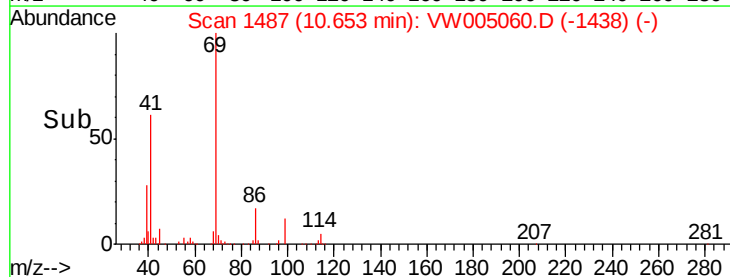
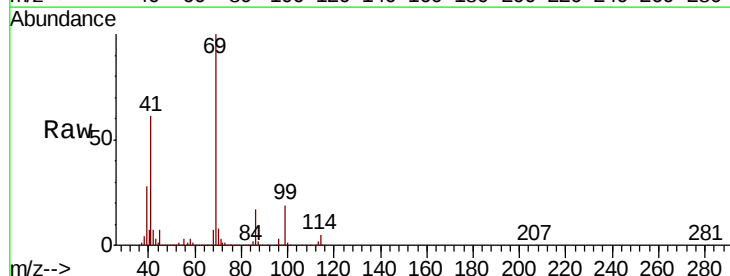
Manual Integrations  
 APPROVED

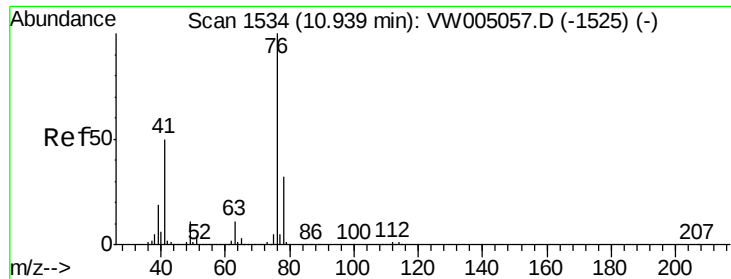
apatel  
 9/4/2018 9:37:16 AM



#56  
 Ethyl methacrylate  
 Concen: 167.35 ug/l  
 RT: 10.65 min Scan# 1487  
 Delta R.T. -0.00 min  
 Lab File: VW005060.D  
 Acq: 01 Sep 2018 02:20

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 785539 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 60.5  | 47.8  | 71.6   |
| 39       | 25.9  | 21.1  | 31.7   |





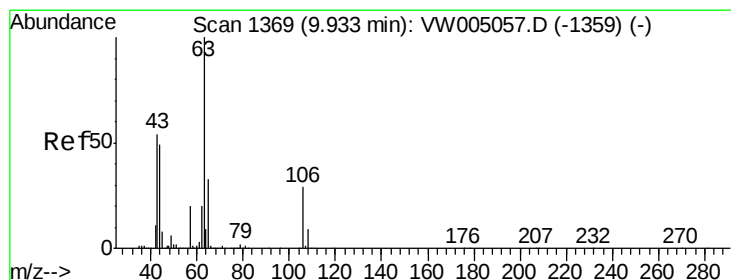
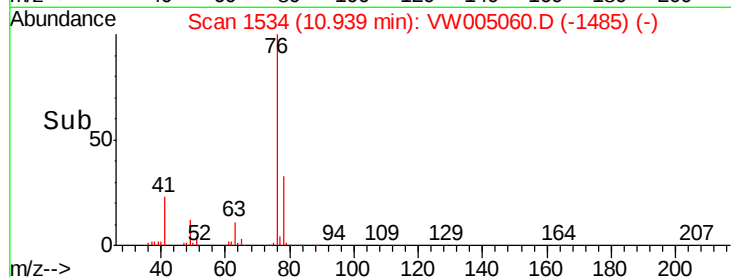
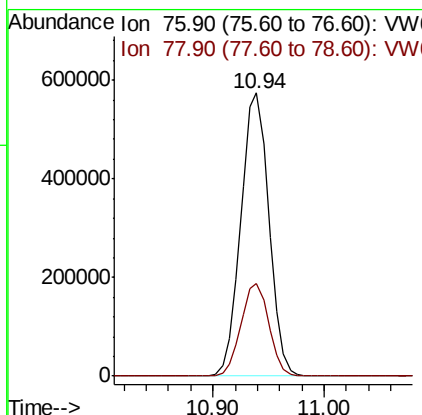
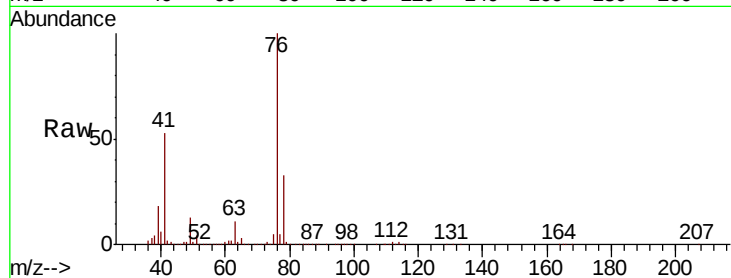
#57  
 1,3-Dichloropropane  
 Concen: 168.82 ug/l  
 RT: 10.94 min Scan# 1534  
 Delta R.T. -0.00 min  
 Lab File: VW005060.D  
 Acq: 01 Sep 2018 02:20

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC150

Tot Ion: 76 Resp: 1006237  
 Ion Ratio Lower Upper  
 76 100  
 78 32.5 26.3 39.5

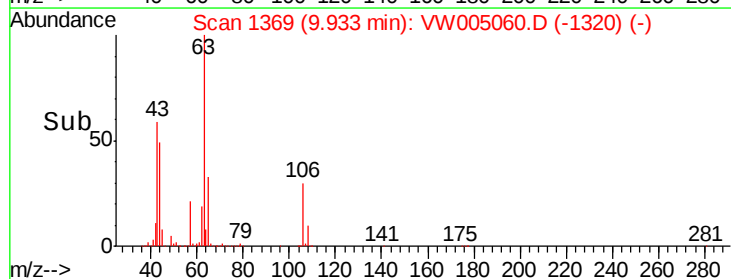
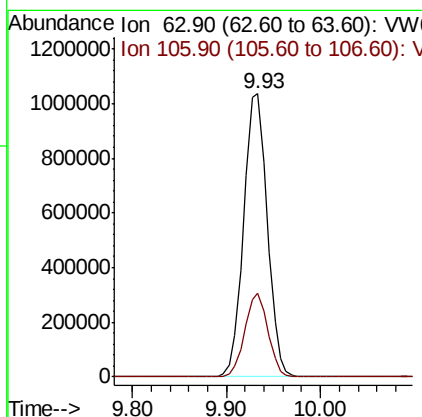
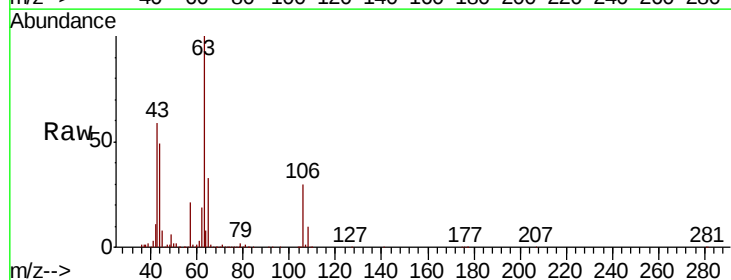
Manual Integrations  
 APPROVED

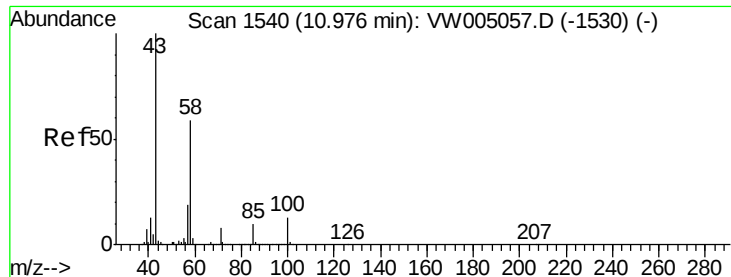
apatel  
 9/4/2018 9:37:16 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 882.92 ug/l  
 RT: 9.93 min Scan# 1369  
 Delta R.T. -0.00 min  
 Lab File: VW005060.D  
 Acq: 01 Sep 2018 02:20

Tgt Ion: 63 Resp: 1803215  
 Ion Ratio Lower Upper  
 63 100  
 106 28.8 23.1 34.7





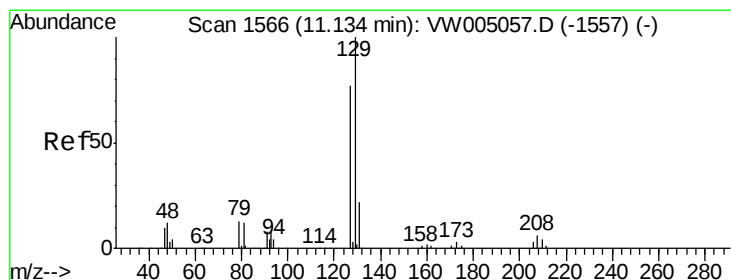
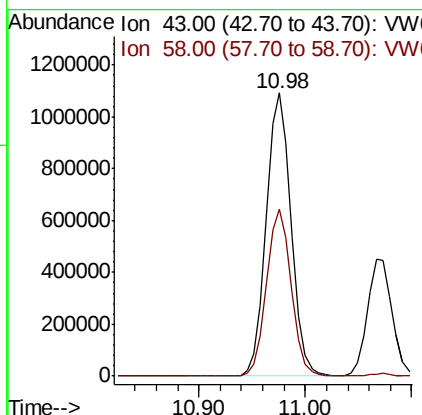
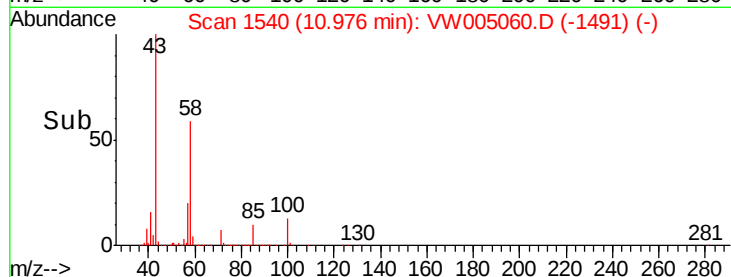
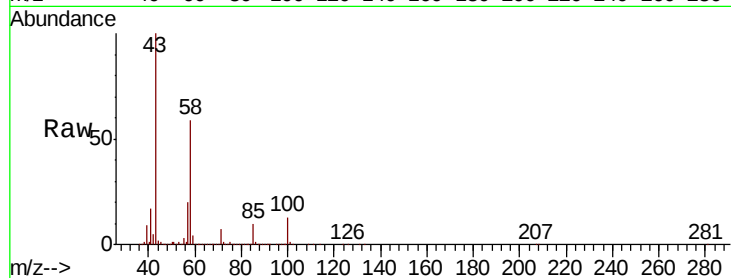
#59  
2-Hexanone  
Concen: 731.24 ug/l  
RT: 10.98 min Scan# 1540  
Delta R.T. -0.00 min  
Lab File: VW005060.D  
Acq: 01 Sep 2018 02:20

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC150

Tot Ion: 43 Resp: 1779061  
Ion Ratio Lower Upper  
43 100  
58 58.7 28.7 86.3

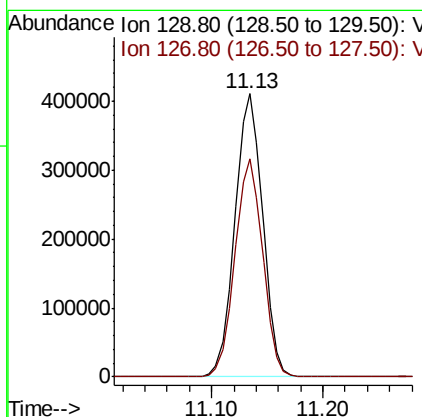
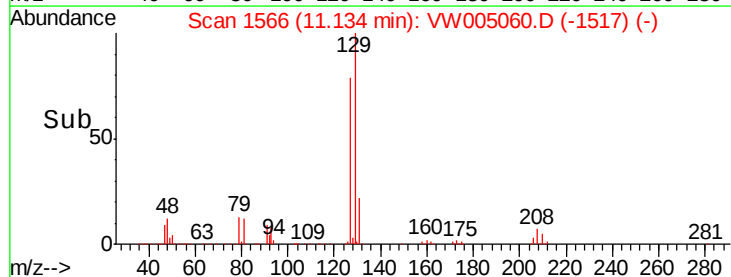
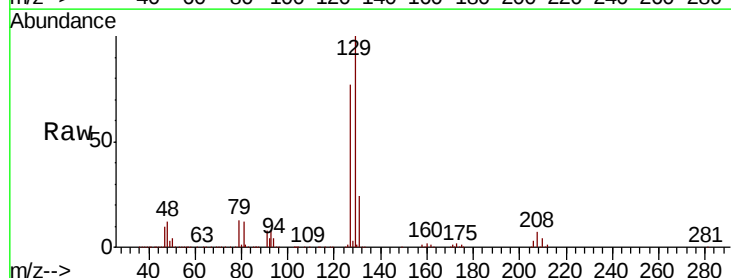
Manual Integrations  
APPROVED

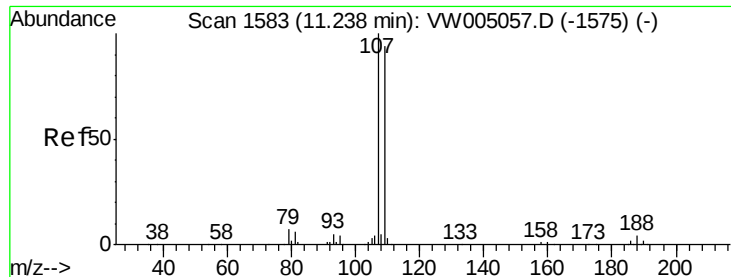
apatel  
9/4/2018 9:37:16 AM



#60  
Dibromochloromethane  
Concen: 177.38 ug/l  
RT: 11.13 min Scan# 1566  
Delta R.T. -0.00 min  
Lab File: VW005060.D  
Acq: 01 Sep 2018 02:20

Tgt Ion: 129 Resp: 707174  
Ion Ratio Lower Upper  
129 100  
127 77.0 38.9 116.7





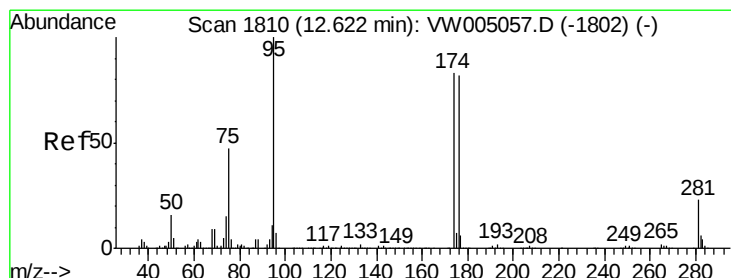
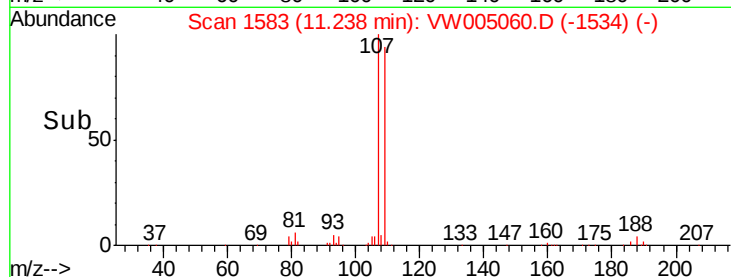
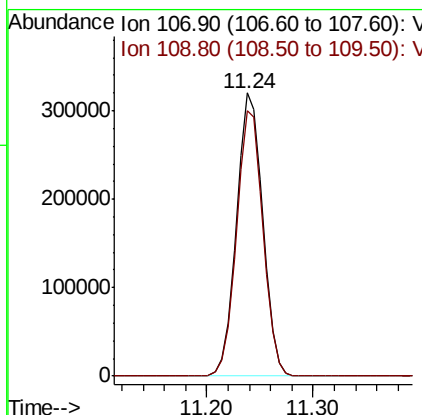
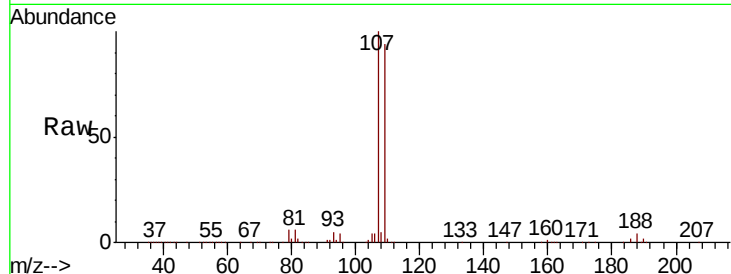
#61  
 1,2-Dibromoethane  
 Concen: 164.03 ug/l  
 RT: 11.24 min Scan# 1583  
 Delta R.T. -0.00 min  
 Lab File: VW005060.D  
 Acq: 01 Sep 2018 02:20

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 94.6  | 75.9  | 113.9 |

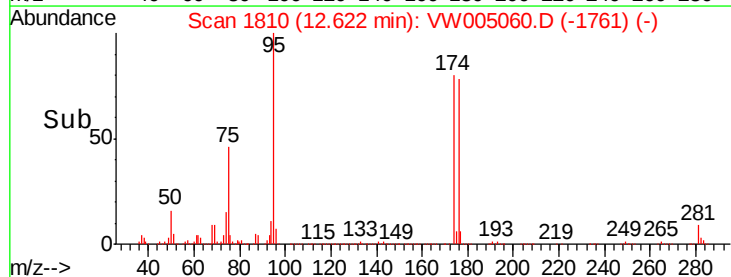
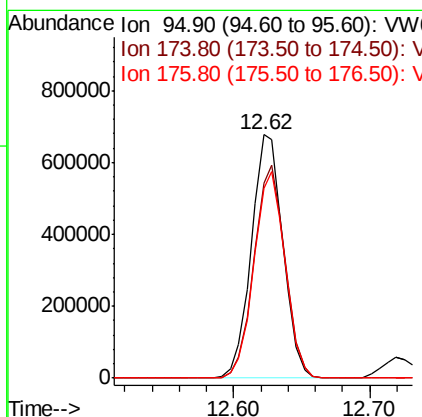
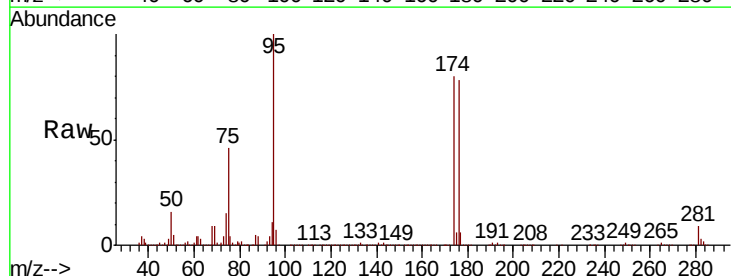
Manual Integrations  
 APPROVED

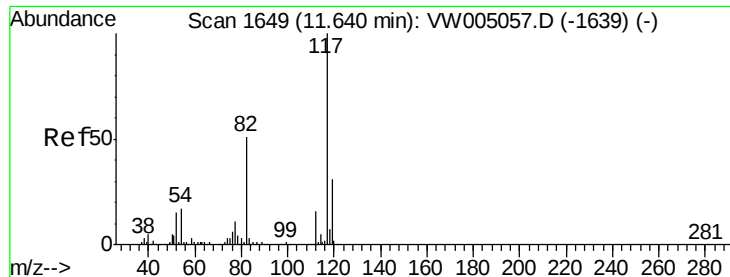
apatel  
 9/4/2018 9:37:16 AM



#62  
 4-Bromofluorobenzene  
 Concen: 149.76 ug/l  
 RT: 12.62 min Scan# 1810  
 Delta R.T. -0.00 min  
 Lab File: VW005060.D  
 Acq: 01 Sep 2018 02:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 85.9  | 0.0   | 173.4 |
| 176     | 83.8  | 0.0   | 167.4 |





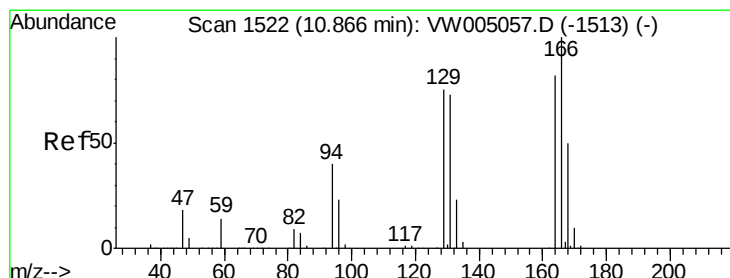
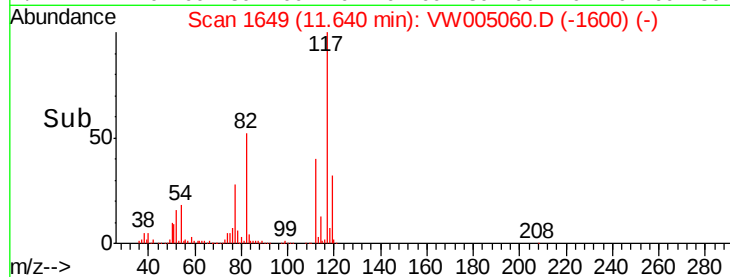
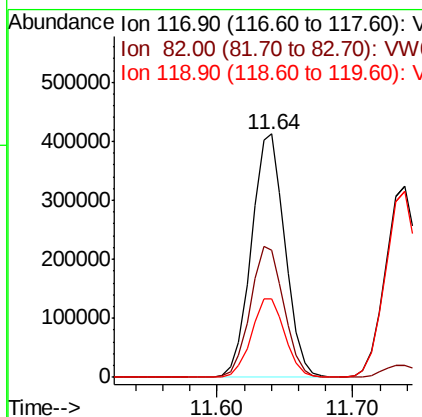
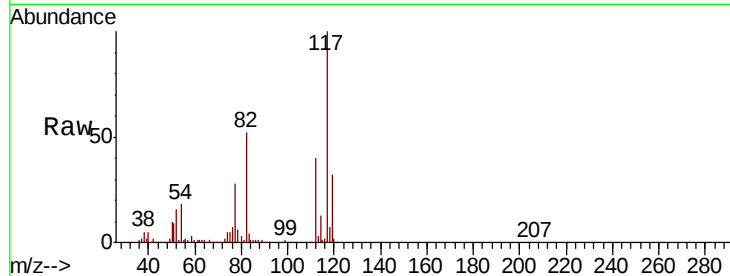
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.64 min Scan# 1649  
Delta R.T. -0.00 min  
Lab File: VW005060.D  
Acq: 01 Sep 2018 02:20

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC150

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 117   | Resp: | 710794 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 52.4  | 40.9  | 61.3   |
| 119       | 32.2  | 24.9  | 37.3   |

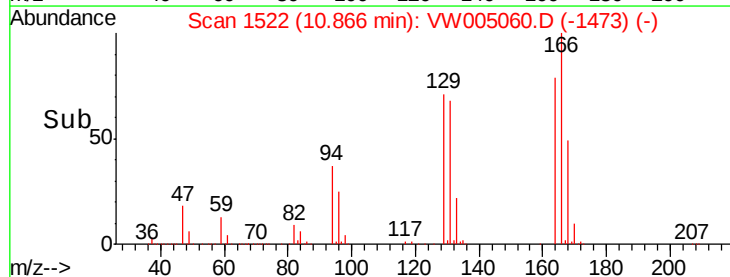
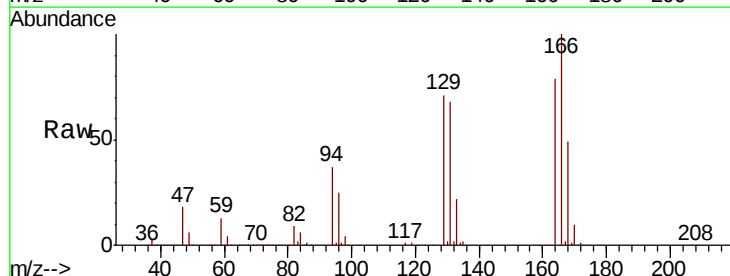
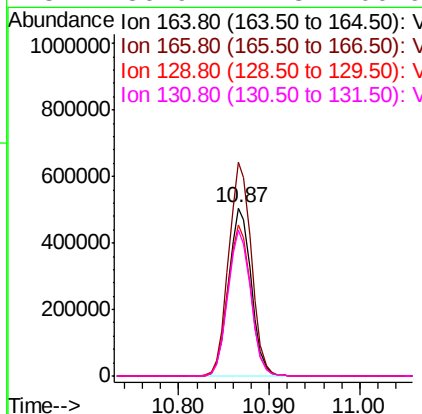
Manual Integrations  
APPROVED

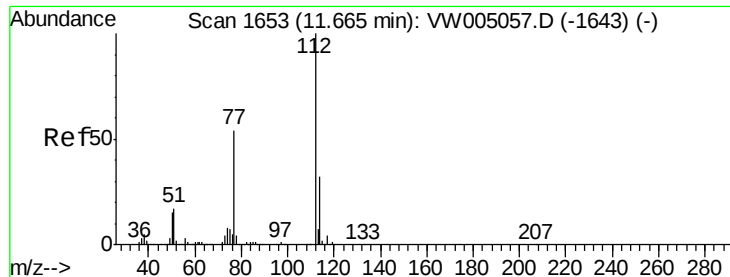
apatel  
9/4/2018 9:37:16 AM



#64  
Tetrachloroethene  
Concen: 166.90 ug/l  
RT: 10.87 min Scan# 1522  
Delta R.T. -0.00 min  
Lab File: VW005060.D  
Acq: 01 Sep 2018 02:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 164   | Resp: | 876633 |
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 166       | 127.1 | 97.3  | 145.9  |
| 129       | 89.9  | 73.1  | 109.7  |
| 131       | 86.9  | 71.3  | 106.9  |





#65

Chlorobenzene

Concen: 159.45 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VW005060.D

Acq: 01 Sep 2018 02:20

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC150

Tot Ion:112 Resp: 2514017

Ion Ratio Lower Upper

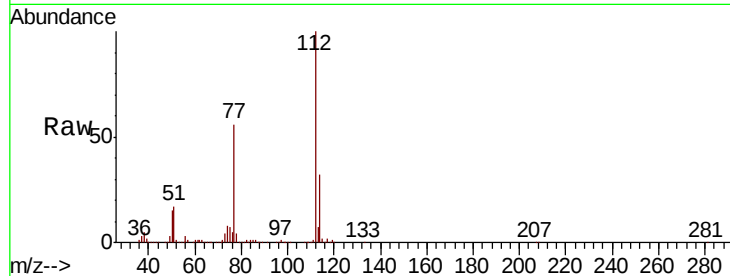
112 100

114 32.5 26.0 39.0

Manual Integrations  
APPROVED

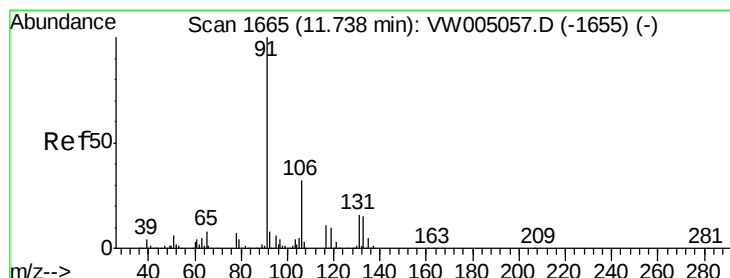
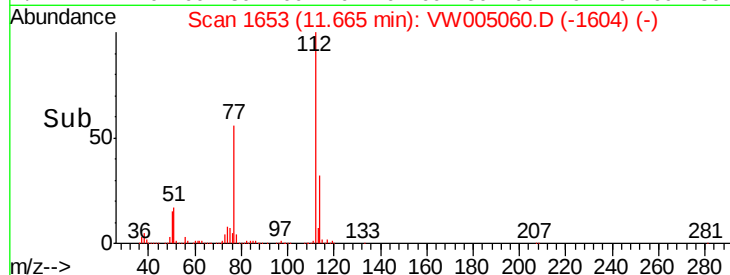
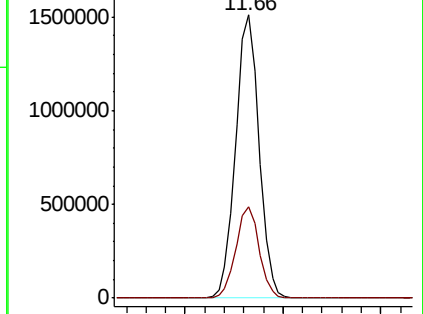
apatel

9/4/2018 9:37:16 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 183.25 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW005060.D

Acq: 01 Sep 2018 02:20

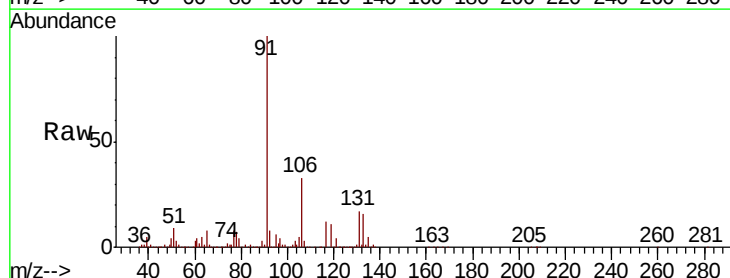
Tgt Ion:131 Resp: 799621

Ion Ratio Lower Upper

131 100

133 95.2 47.4 142.3

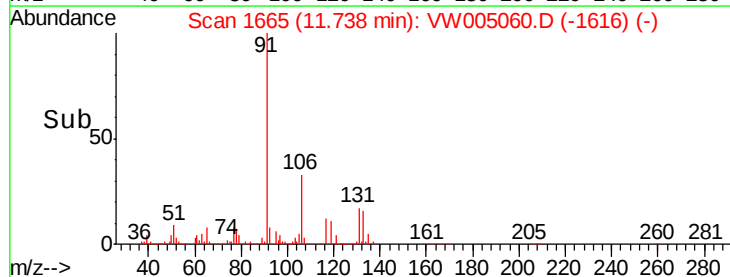
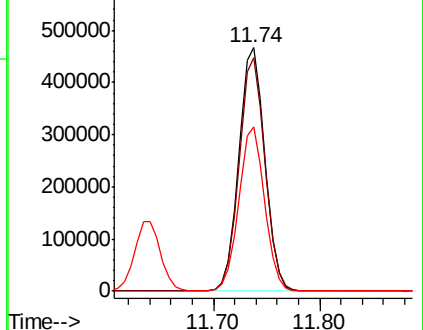
119 67.1 33.4 100.1

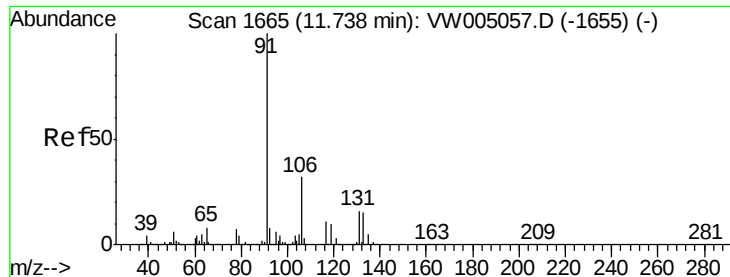


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





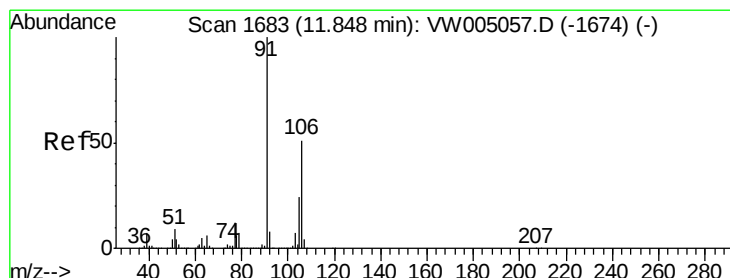
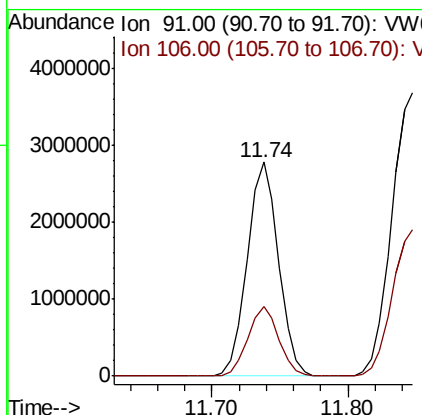
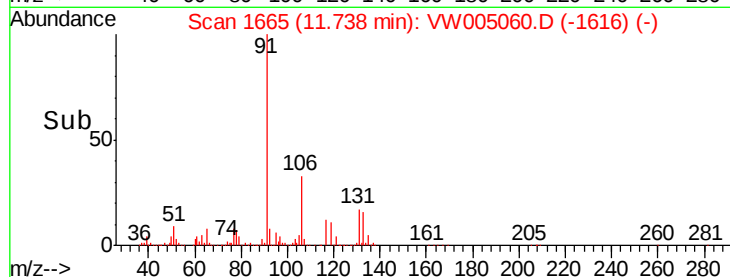
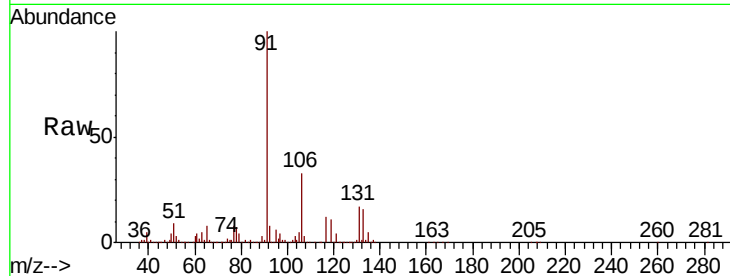
#67  
Ethyl Benzene  
Concen: 165.84 ug/l  
RT: 11.74 min Scan# 1665  
Delta R.T. -0.00 min  
Lab File: VW005060.D  
Acq: 01 Sep 2018 02:20

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC150

Tot Ion: 91 Resp: 4476475  
Ion Ratio Lower Upper  
91 100  
106 32.5 25.3 37.9

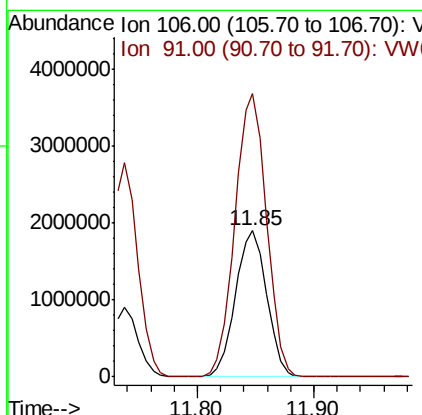
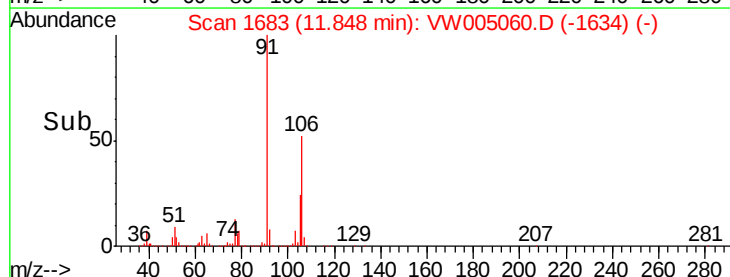
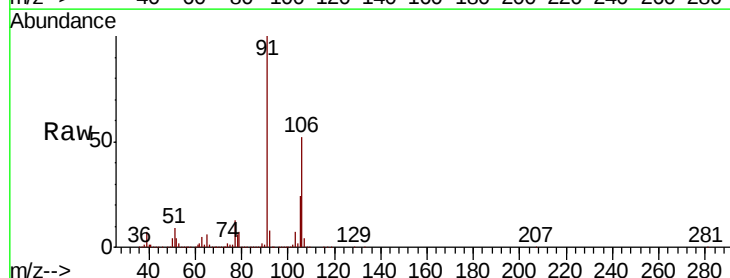
Manual Integrations  
APPROVED

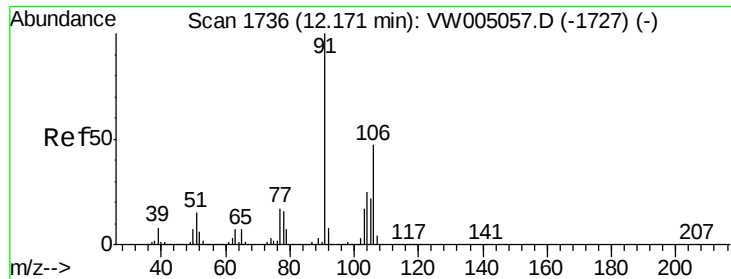
apatel  
9/4/2018 9:37:16 AM



#68  
m/p-Xylenes  
Concen: 323.84 ug/l  
RT: 11.85 min Scan# 1683  
Delta R.T. -0.00 min  
Lab File: VW005060.D  
Acq: 01 Sep 2018 02:20

Tgt Ion: 106 Resp: 3552607  
Ion Ratio Lower Upper  
106 100  
91 195.7 158.4 237.6





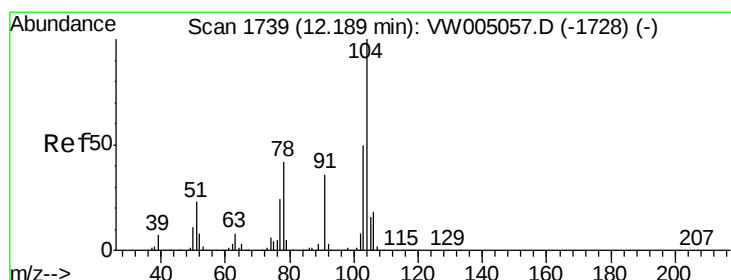
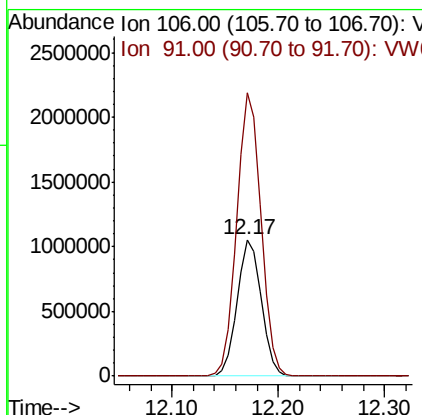
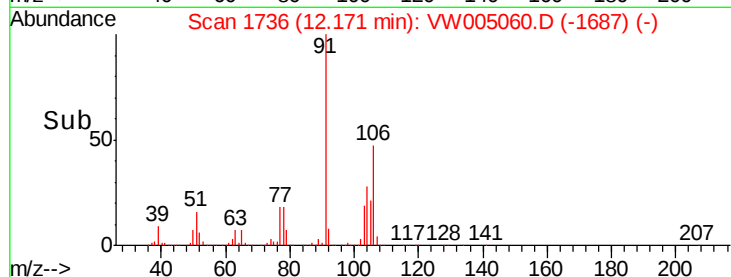
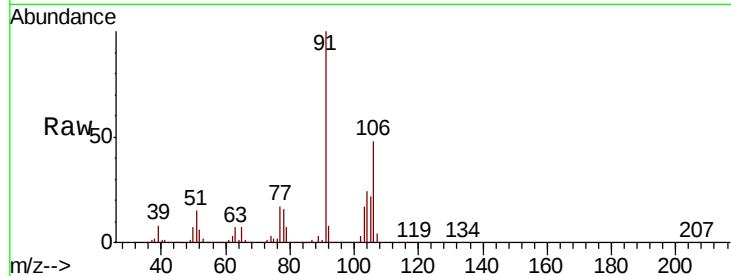
#69  
o-Xylene  
Concen: 168.21 ug/l  
RT: 12.17 min Scan# 1736  
Delta R.T. -0.00 min  
Lab File: VW005060.D  
Acq: 01 Sep 2018 02:20

Instrument :  
MSVOA\_W  
ClientSampleID :  
VSTDIC150

Tot Ion:106 Resp: 1684524  
Ion Ratio Lower Upper  
106 100  
91 208.2 105.6 316.8

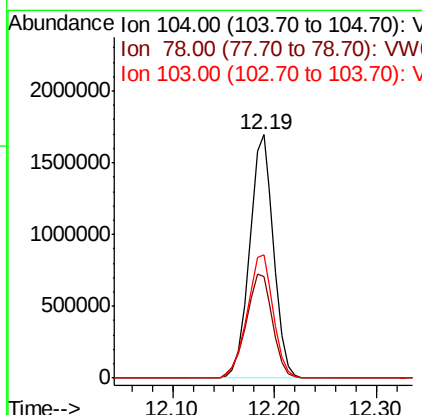
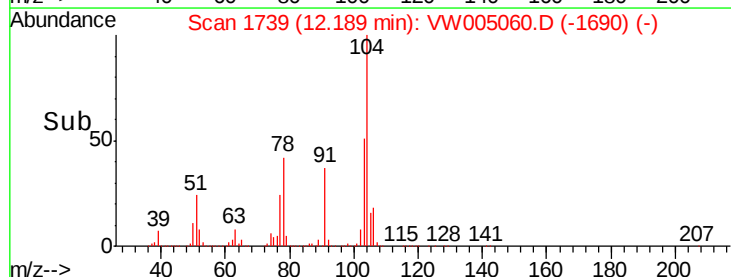
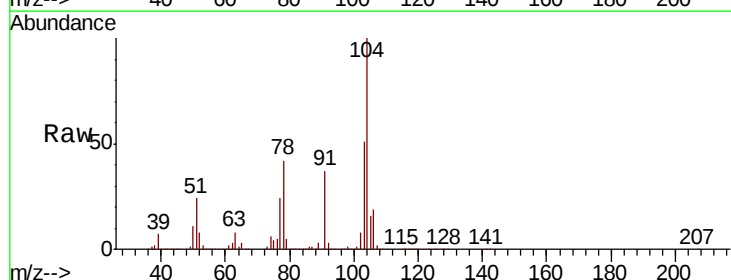
Manual Integrations  
APPROVED

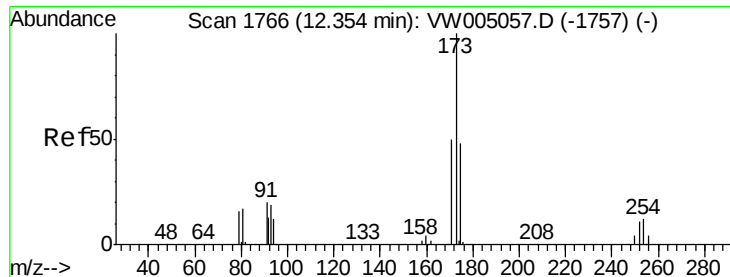
apatel  
9/4/2018 9:37:16 AM



#70  
Styrene  
Concen: 166.32 ug/l  
RT: 12.19 min Scan# 1739  
Delta R.T. -0.00 min  
Lab File: VW005060.D  
Acq: 01 Sep 2018 02:20

Tgt Ion:104 Resp: 2765889  
Ion Ratio Lower Upper  
104 100  
78 47.4 37.8 56.6  
103 55.5 44.1 66.1





#71

Bromoform

Concen: 178.43 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW005060.D

Acq: 01 Sep 2018 02:20

Instrument :

MSVOA\_W

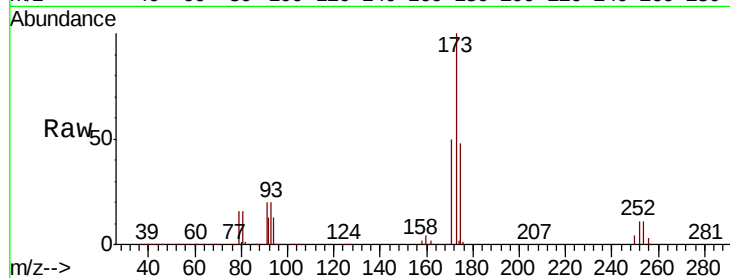
ClientSampleId :

VSTDIC150

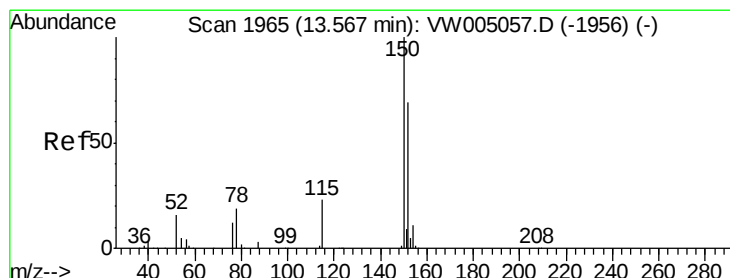
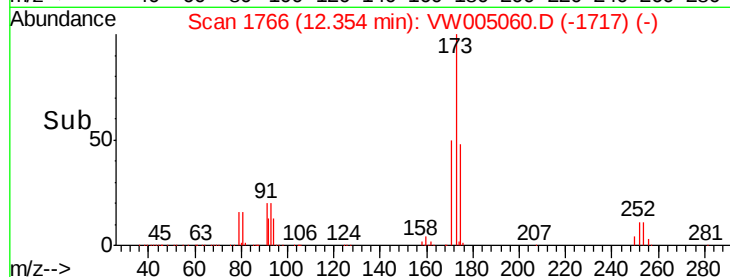
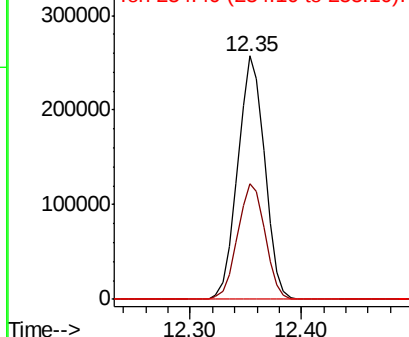
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 173   | Resp: | 430359 |
| Ion Ratio | Lower | Upper |        |
| 173       | 100   |       |        |
| 175       | 48.6  | 24.1  | 72.2   |
| 254       | 0.0   | 0.2   | 0.2#   |

Manual Integrations  
APPROVED

apatel  
9/4/2018 9:37:16 AM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

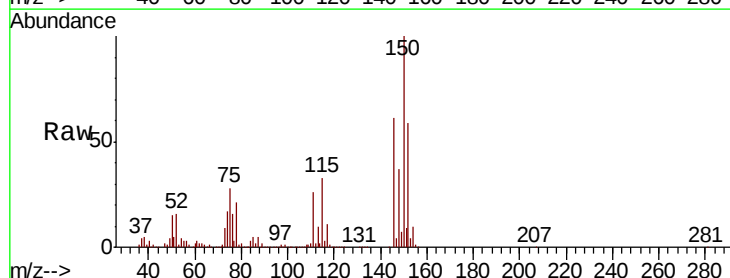
RT: 13.57 min Scan# 1965

Delta R.T. -0.00 min

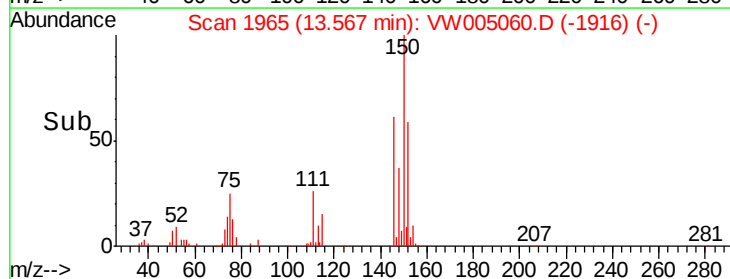
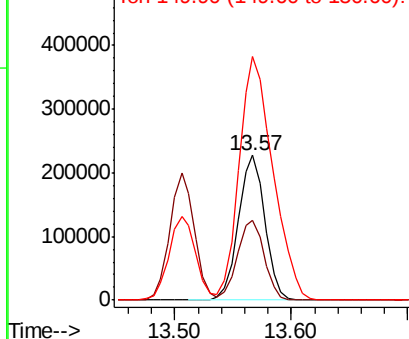
Lab File: VW005060.D

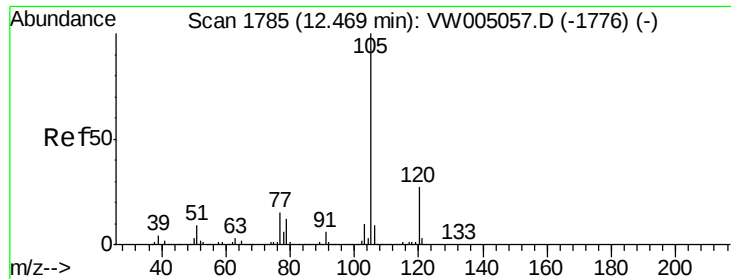
Acq: 01 Sep 2018 02:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 359589 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 55.9  | 27.8  | 83.4   |
| 150       | 213.9 | 0.0   | 351.4  |



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 183.96 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW005060.D

Acq: 01 Sep 2018 02:20

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 4488714

Ion Ratio Lower Upper

105 100

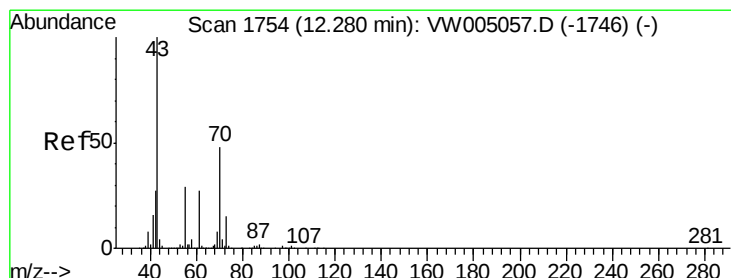
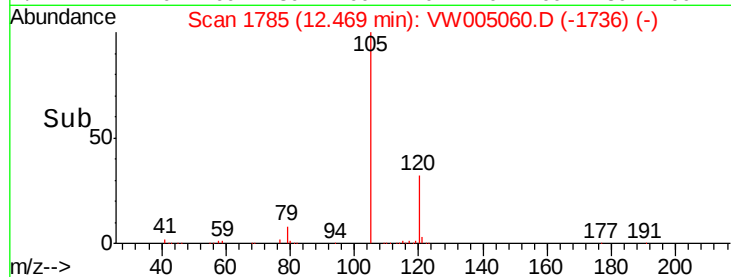
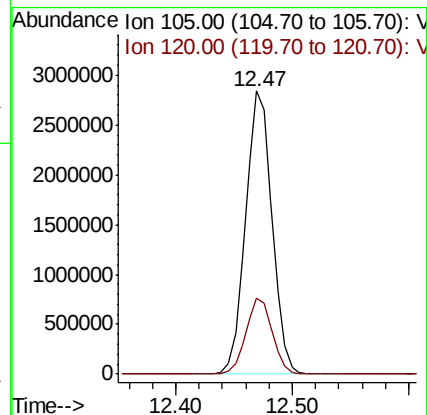
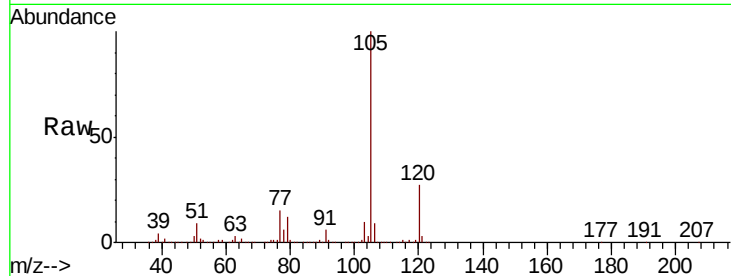
120 26.8 13.4 40.1

Manual Integrations

APPROVED

apatel

9/4/2018 9:37:16 AM



#74

N-ethyl acetate

Concen: 176.14 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW005060.D

Acq: 01 Sep 2018 02:20

Tgt Ion: 43 Resp: 796841

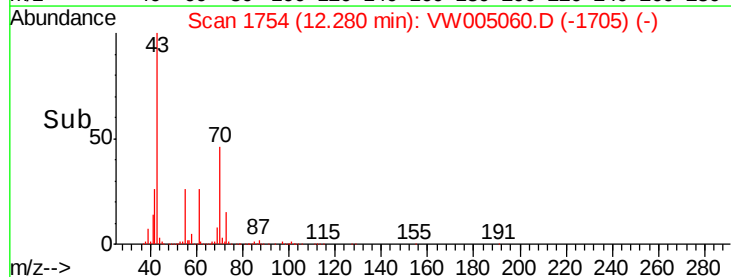
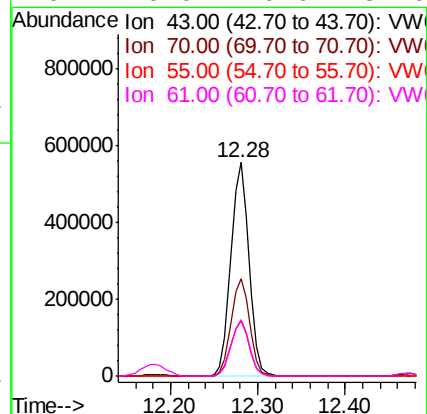
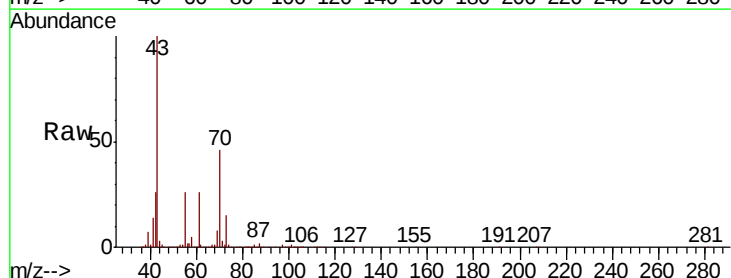
Ion Ratio Lower Upper

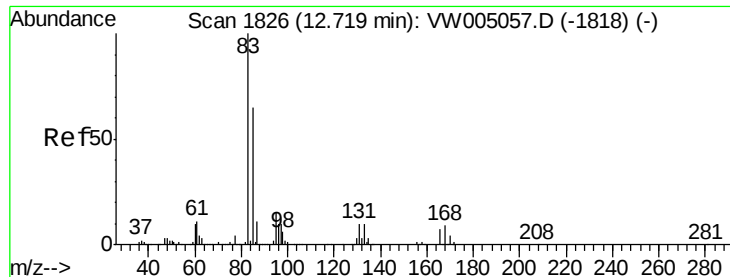
43 100

70 46.5 38.2 57.4

55 26.5 23.2 34.8

61 26.0 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 173.76 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW005060.D

Acq: 01 Sep 2018 02:20

Instrument :

MSVOA\_W

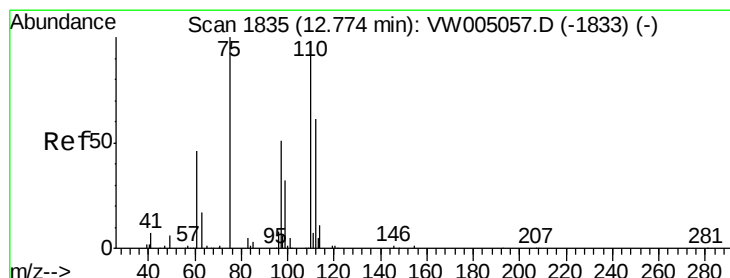
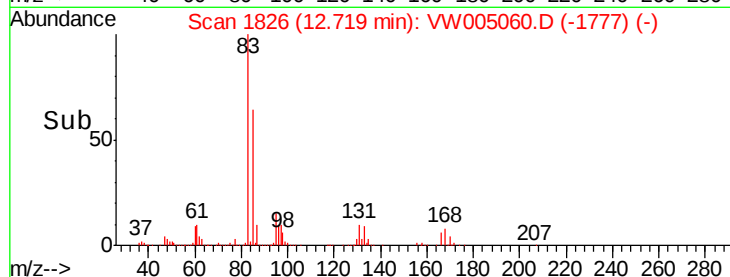
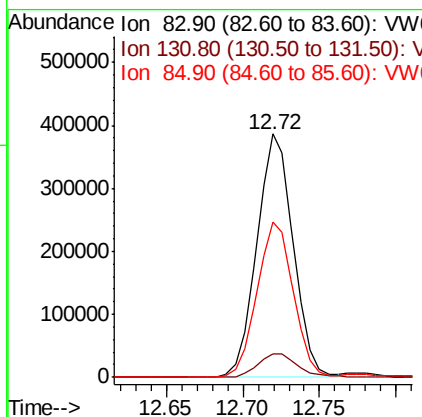
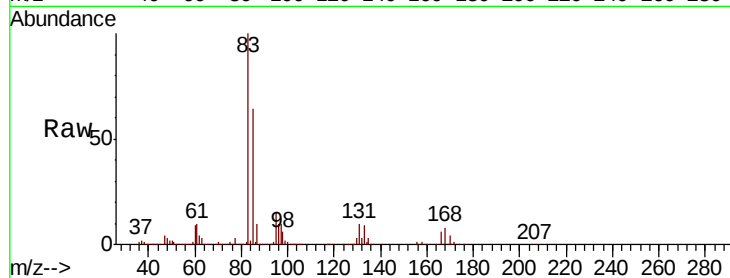
ClientSampleId :

VSTDIC150

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 636341 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.7  | 5.5   | 16.4   |
| 85        | 64.1  | 32.5  | 97.4   |

Manual Integrations  
APPROVED

apatel  
9/4/2018 9:37:16 AM



#76

1,2,3-Trichloropropane

Concen: 167.29 ug/l m

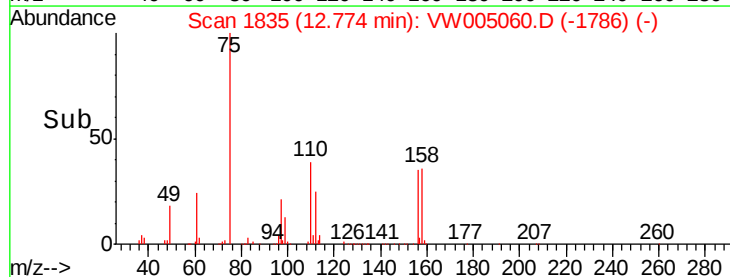
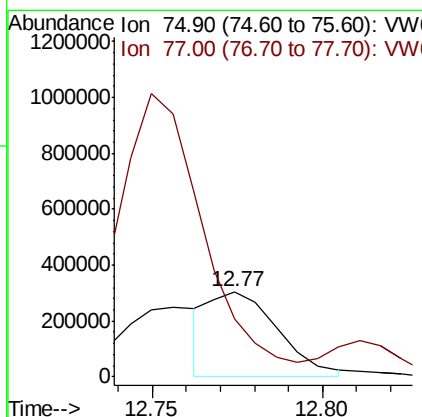
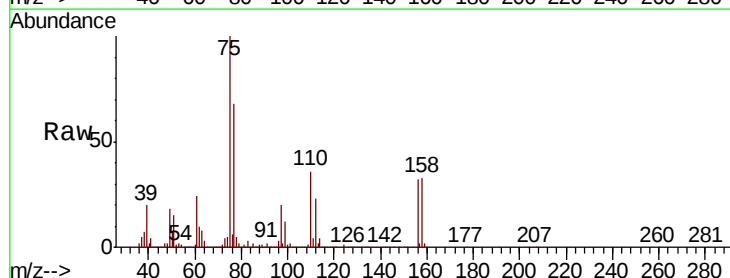
RT: 12.77 min Scan# 1835

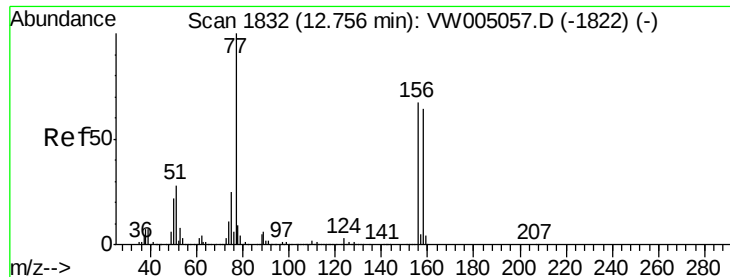
Delta R.T. -0.00 min

Lab File: VW005060.D

Acq: 01 Sep 2018 02:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 430481 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |





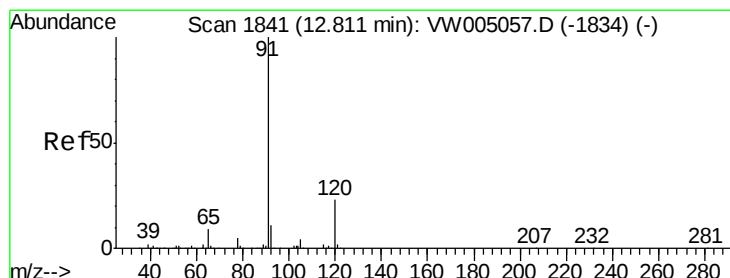
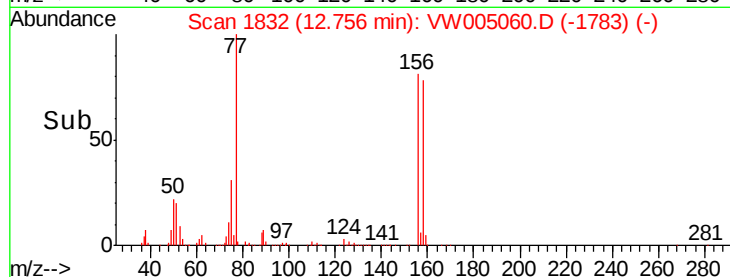
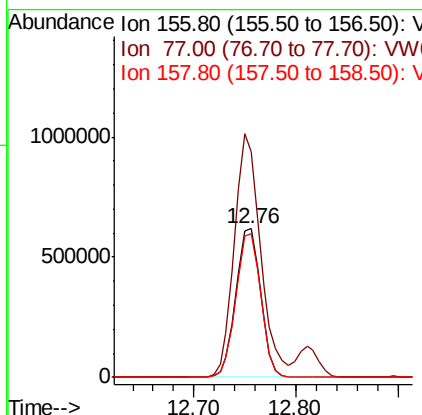
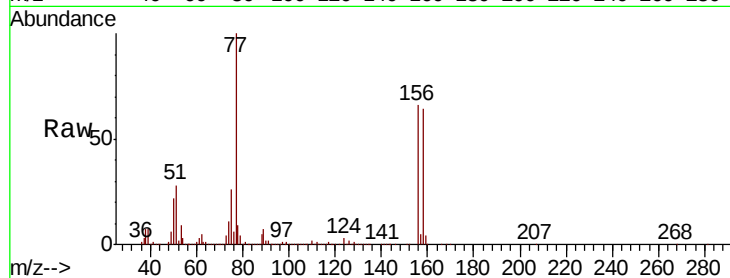
#77  
Bromobenzene  
Concen: 172.98 ug/l  
RT: 12.76 min Scan# 1832  
Delta R.T. -0.00 min  
Lab File: VW005060.D  
Acq: 01 Sep 2018 02:20

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC150

Tot Ion:156 Resp: 1034909  
Ion Ratio Lower Upper  
156 100  
77 173.6 85.8 257.4  
158 97.2 48.1 144.4

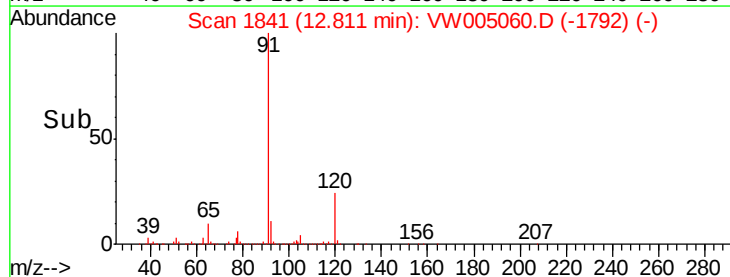
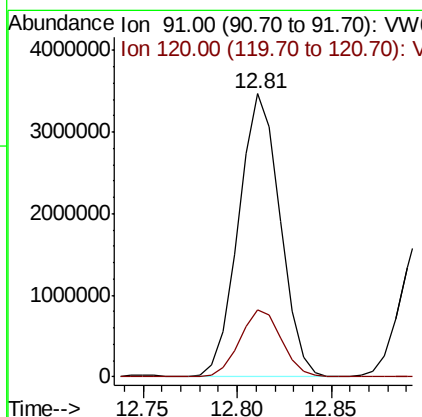
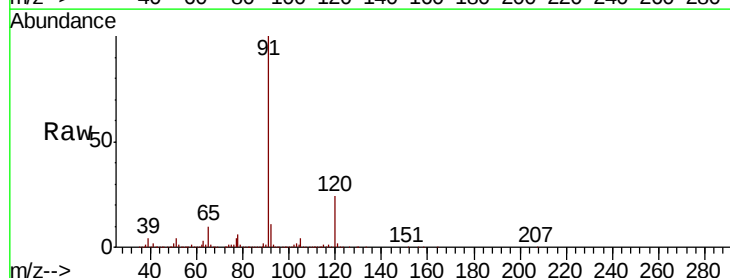
Manual Integrations  
APPROVED

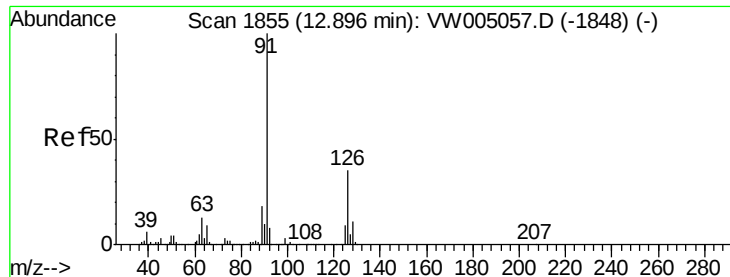
apatel  
9/4/2018 9:37:16 AM



#78  
n-propylbenzene  
Concen: 176.37 ug/l  
RT: 12.81 min Scan# 1841  
Delta R.T. -0.00 min  
Lab File: VW005060.D  
Acq: 01 Sep 2018 02:20

Tgt Ion: 91 Resp: 5293226  
Ion Ratio Lower Upper  
91 100  
120 23.9 11.8 35.3





#79

2-Chlorotoluene

Concen: 174.31 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW005060.D

Acq: 01 Sep 2018 02:20

Instrument :

MSVOA\_W

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 3020281

Ion Ratio Lower Upper

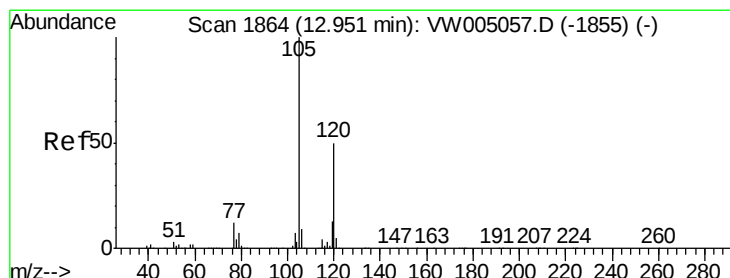
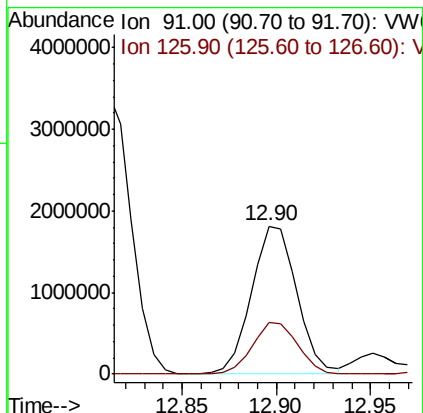
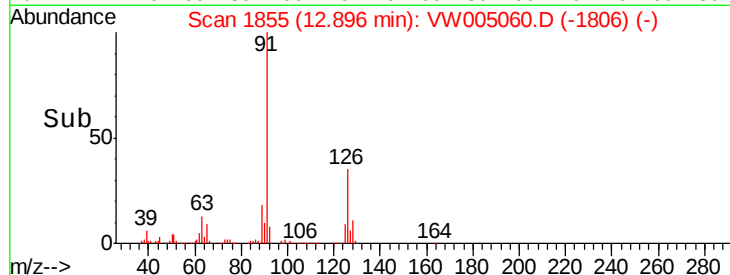
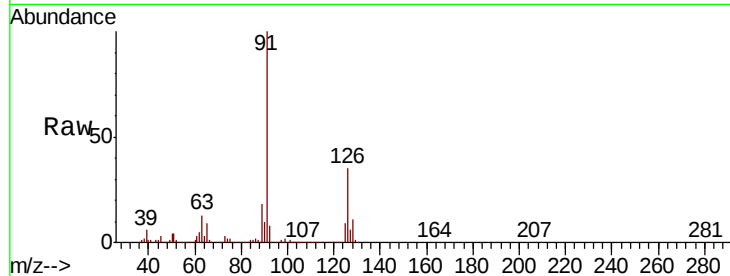
91 100

126 34.7 17.3 52.0

Manual Integrations  
APPROVED

apatel

9/4/2018 9:37:16 AM



#80

1,3,5-Trimethylbenzene

Concen: 177.02 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW005060.D

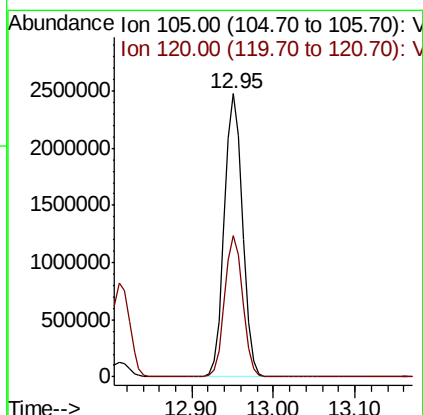
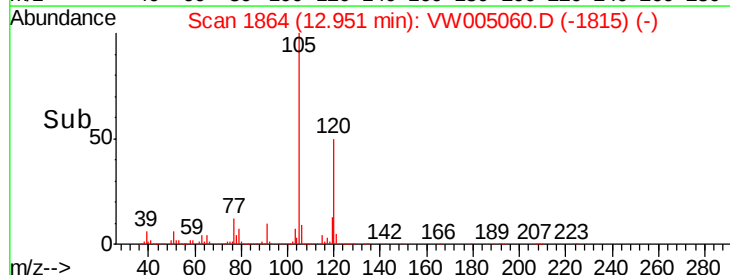
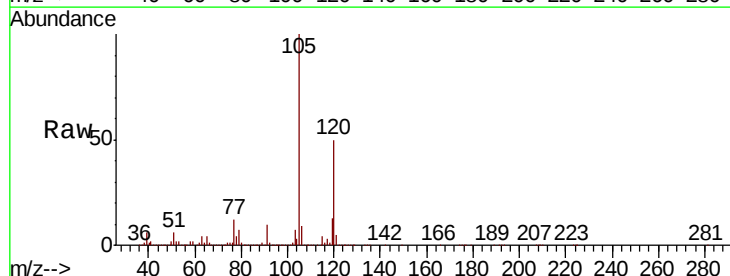
Acq: 01 Sep 2018 02:20

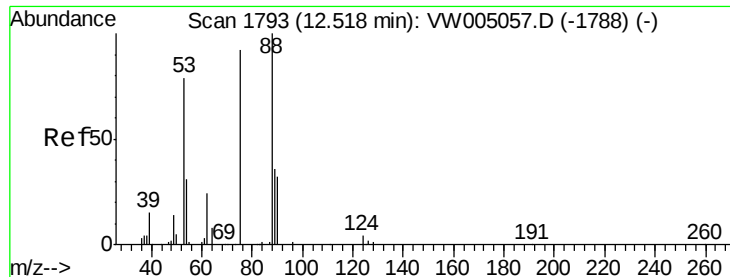
Tgt Ion:105 Resp: 3803495

Ion Ratio Lower Upper

105 100

120 49.8 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 179.78 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VW005060.D

Acq: 01 Sep 2018 02:20

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 201958

Ion Ratio Lower Upper

75 100

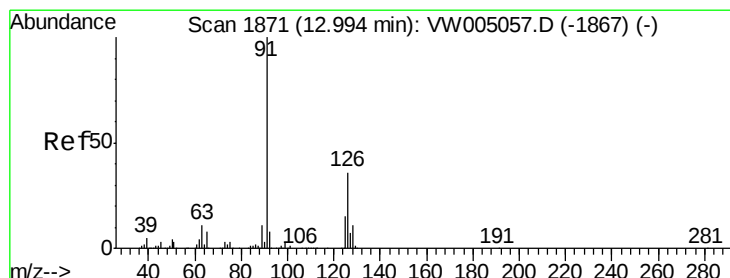
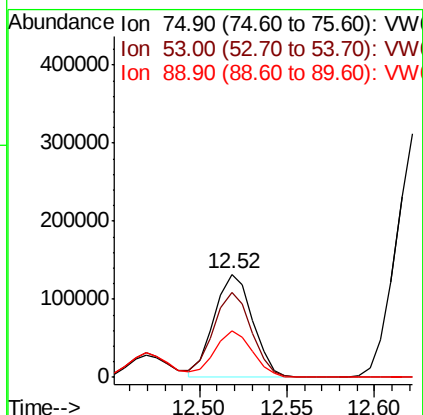
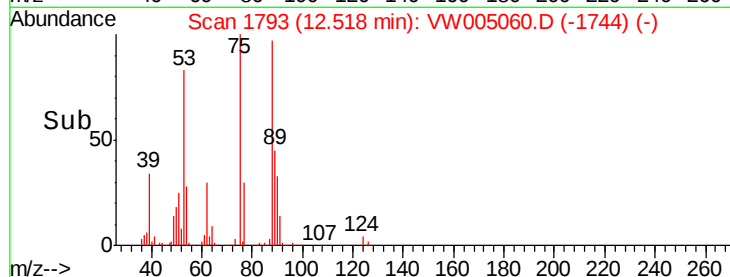
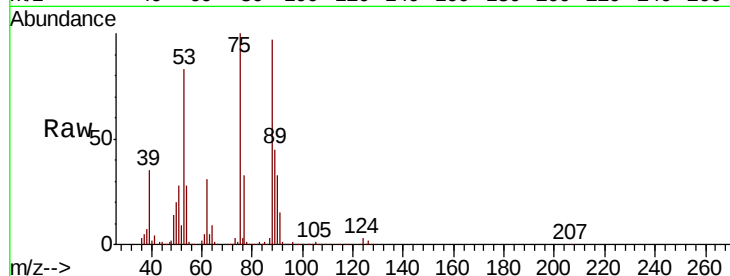
53 81.9 69.8 104.8

89 44.7 36.0 54.0

Manual Integrations  
APPROVED

apatel

9/4/2018 9:37:16 AM



#82

4-Chlorotoluene

Concen: 168.76 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VW005060.D

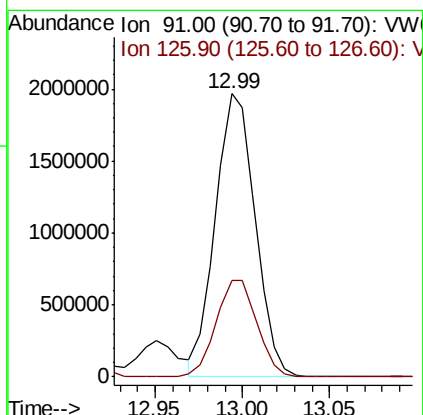
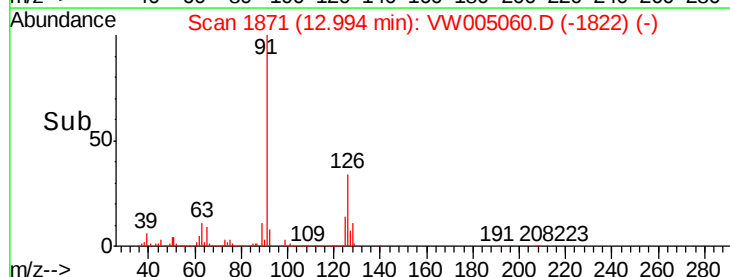
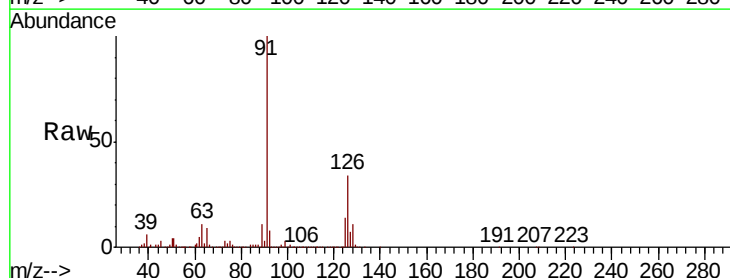
Acq: 01 Sep 2018 02:20

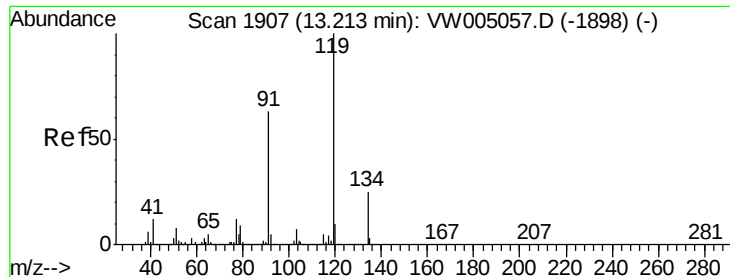
Tgt Ion: 91 Resp: 3109627

Ion Ratio Lower Upper

91 100

126 35.0 17.4 52.3





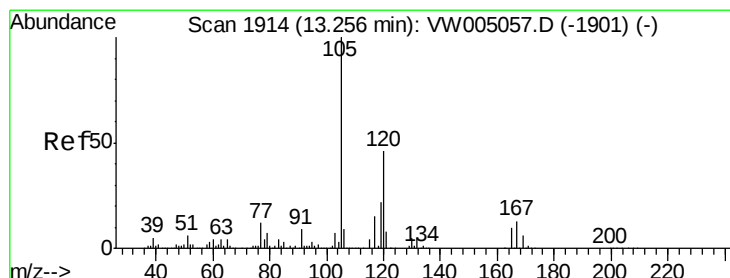
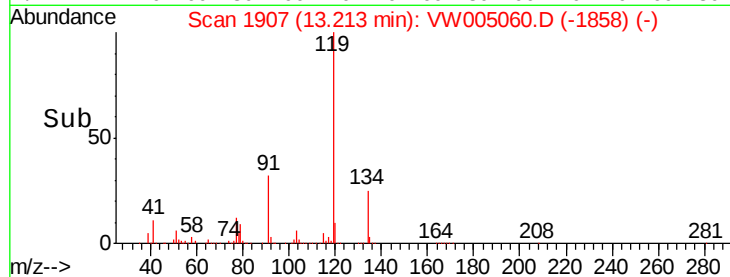
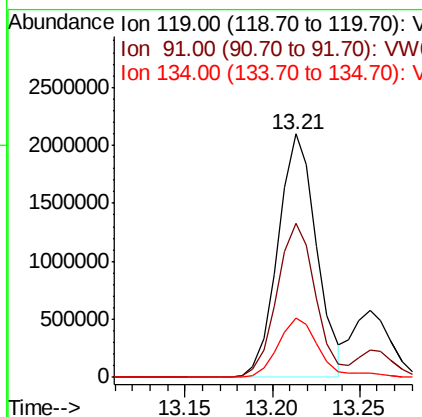
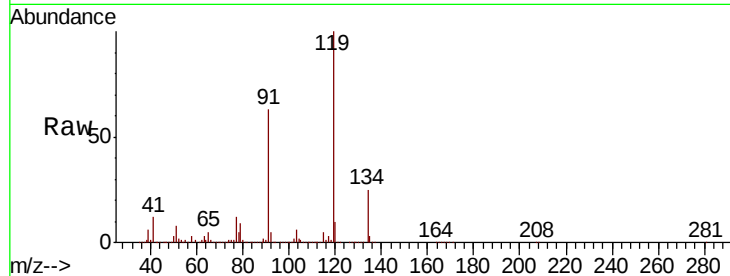
#83  
tert-Butylbenzene  
Concen: 179.27 ug/l  
RT: 13.21 min Scan# 1907  
Delta R.T. -0.00 min  
Lab File: VW005060.D  
Acq: 01 Sep 2018 02:20

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 63.8  | 31.8  | 95.4  |
| 134     | 26.2  | 13.0  | 39.0  |

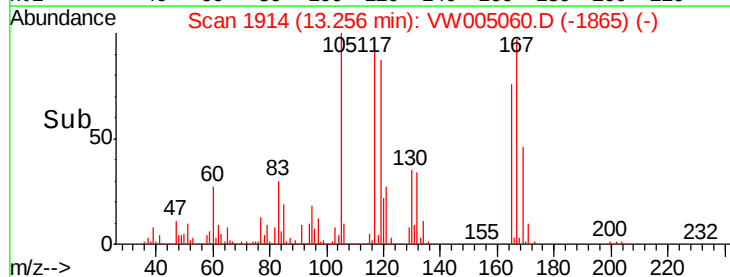
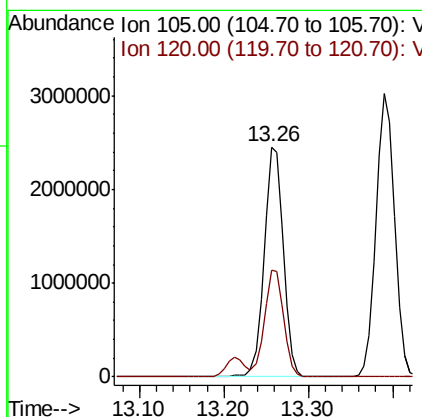
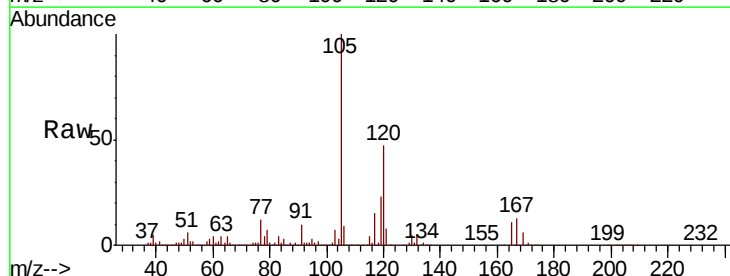
Manual Integrations  
APPROVED

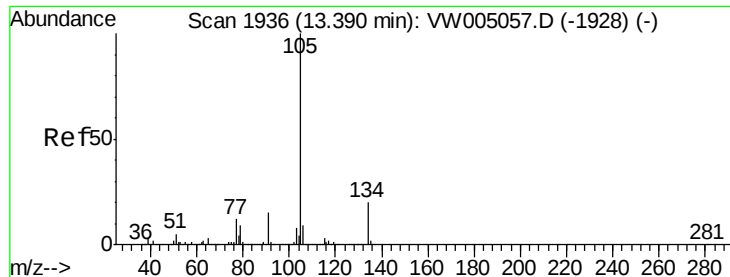
apatel  
9/4/2018 9:37:16 AM



#84  
1,2,4-Trimethylbenzene  
Concen: 176.26 ug/l  
RT: 13.26 min Scan# 1914  
Delta R.T. -0.00 min  
Lab File: VW005060.D  
Acq: 01 Sep 2018 02:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 46.2  | 23.1  | 69.3  |





#85

sec-Butylbenzene

Concen: 175.26 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VW005060.D

Acq: 01 Sep 2018 02:20

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 4635760

Ion Ratio Lower Upper

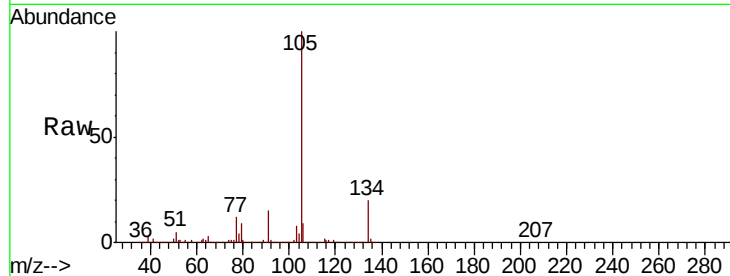
105 100

134 20.5 10.1 30.3

Manual Integrations  
APPROVED

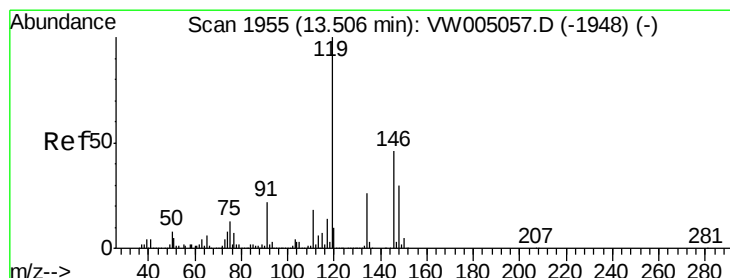
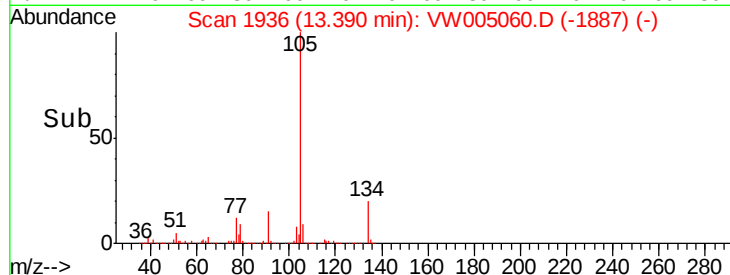
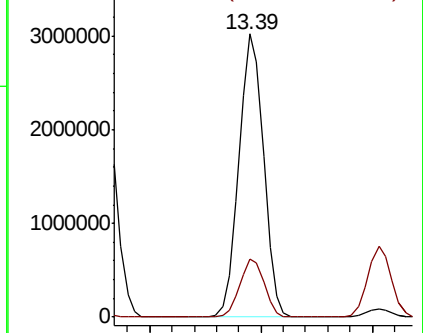
apatel

9/4/2018 9:37:16 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 175.67 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW005060.D

Acq: 01 Sep 2018 02:20

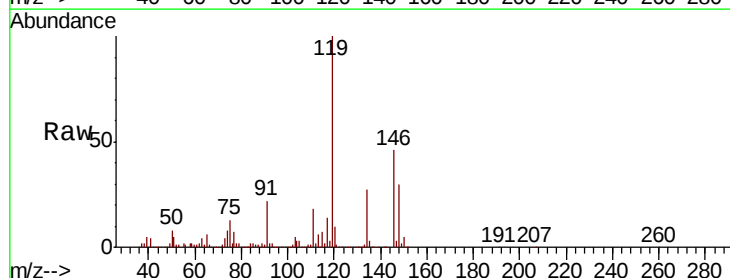
Tgt Ion:119 Resp: 4158366

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.8

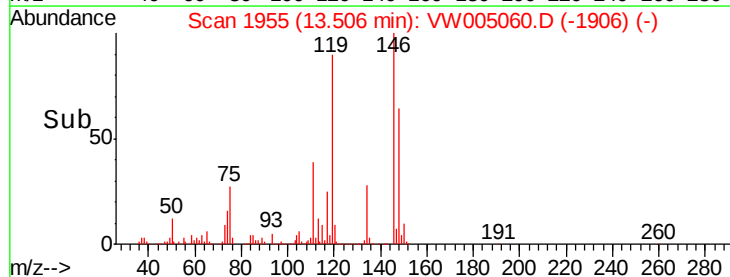
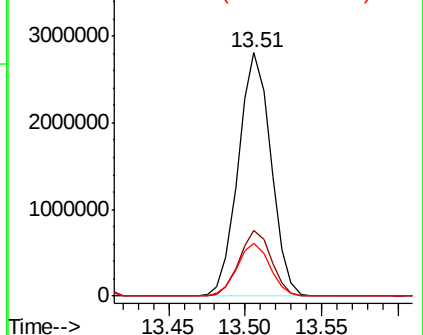
91 21.9 10.9 32.9

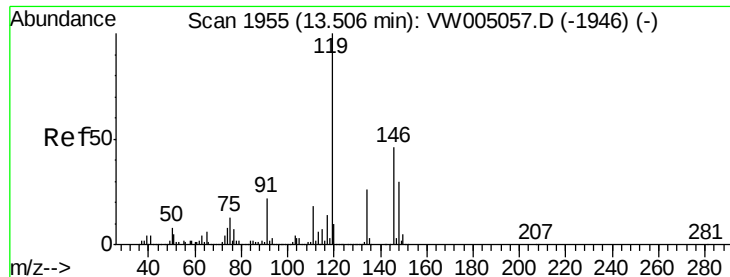


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 162.52 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW005060.D

Acq: 01 Sep 2018 02:20

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 2049278

Ion Ratio Lower Upper

146 100

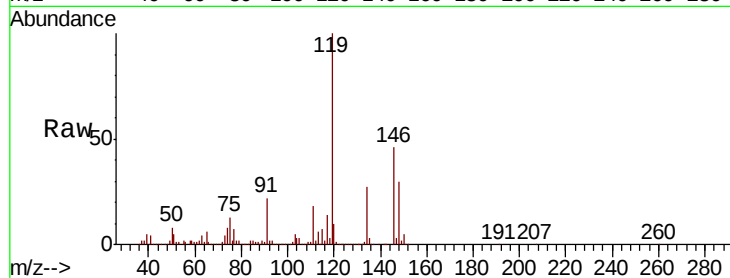
111 38.7 19.2 57.6

148 63.9 31.9 95.7

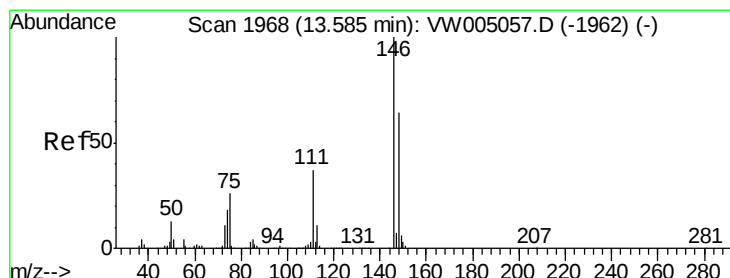
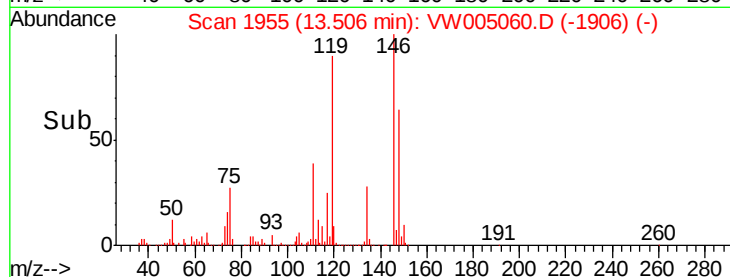
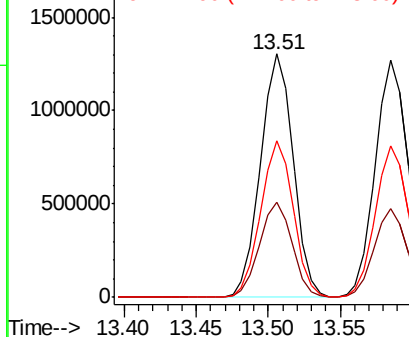
Manual Integrations  
APPROVED

apatel

9/4/2018 9:37:16 AM



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



#88

1,4-Dichlorobenzene

Concen: 159.50 ug/l

RT: 13.59 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VW005060.D

Acq: 01 Sep 2018 02:20

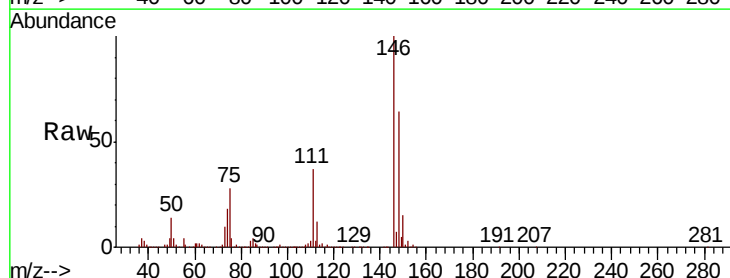
Tgt Ion:146 Resp: 1990802

Ion Ratio Lower Upper

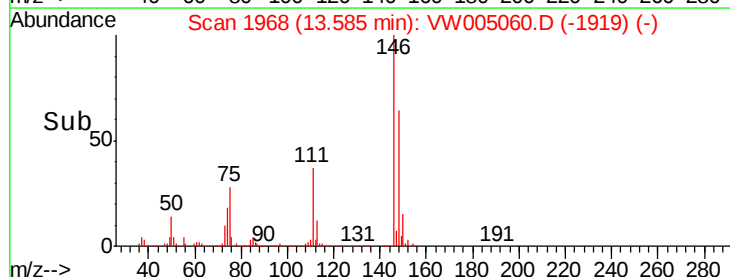
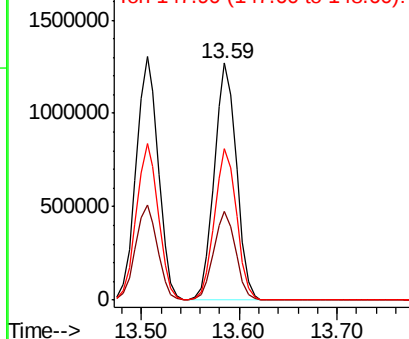
146 100

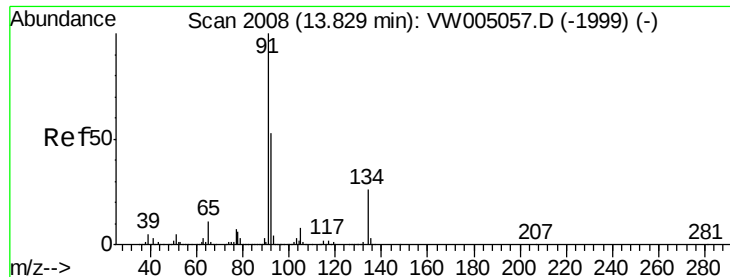
111 37.2 18.6 56.0

148 64.0 32.0 96.0



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





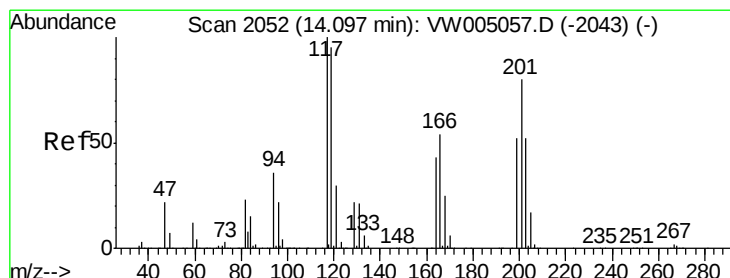
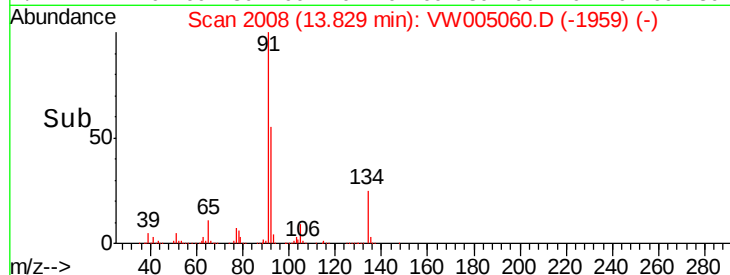
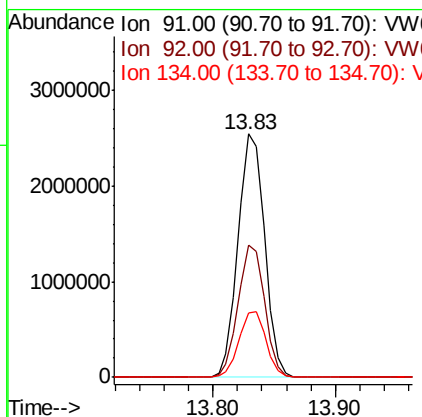
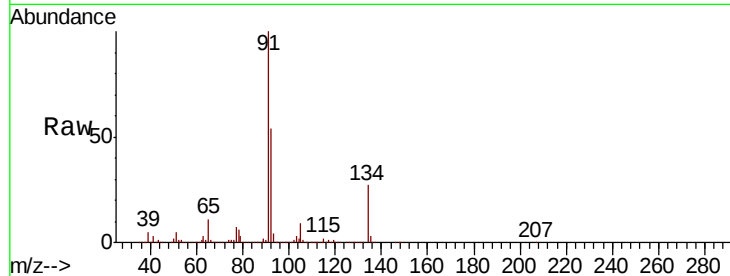
#89  
n-Butylbenzene  
Concen: 172.74 ug/l  
RT: 13.83 min Scan# 2008  
Delta R.T. -0.00 min  
Lab File: VW005060.D  
Acq: 01 Sep 2018 02:20

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 53.9  | 26.5  | 79.5  |
| 134     | 27.2  | 13.5  | 40.4  |

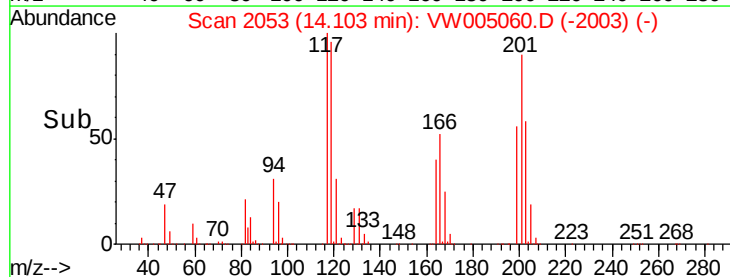
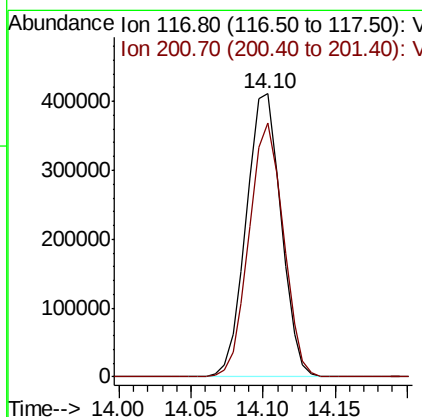
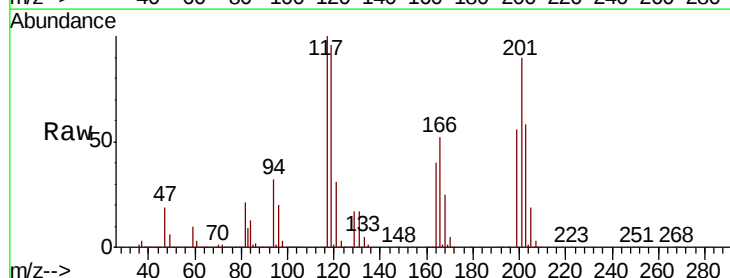
Manual Integrations  
APPROVED

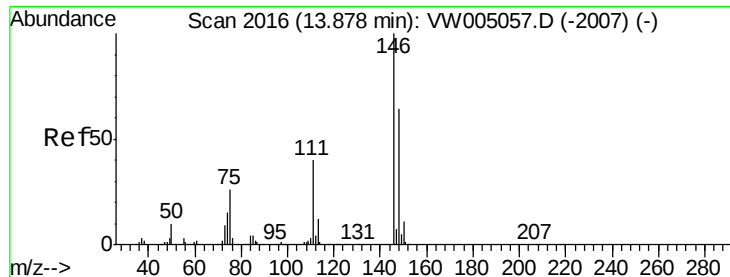
apatel  
9/4/2018 9:37:16 AM



#90  
Hexachloroethane  
Concen: 184.47 ug/l  
RT: 14.10 min Scan# 2053  
Delta R.T. 0.01 min  
Lab File: VW005060.D  
Acq: 01 Sep 2018 02:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 88.0  | 44.6  | 133.8 |





#91

1,2-Dichlorobenzene

Concen: 156.68 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VW005060.D

Acq: 01 Sep 2018 02:20

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 1737865

Ion Ratio Lower Upper

146 100

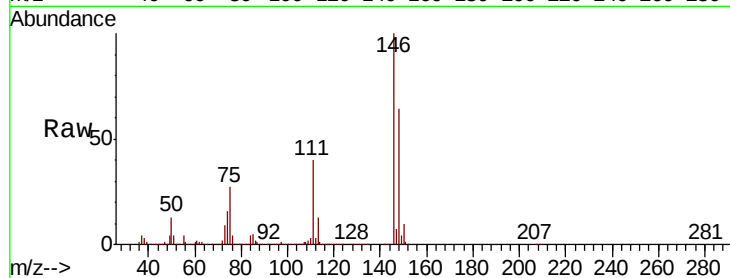
111 40.1 19.9 59.7

148 64.5 31.9 95.9

Manual Integrations  
APPROVED

apatel

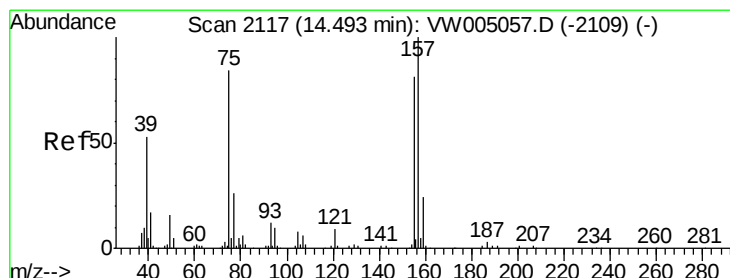
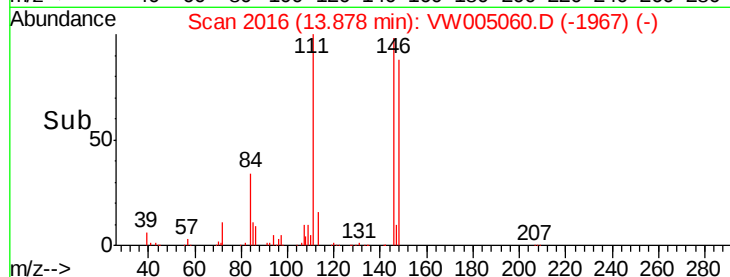
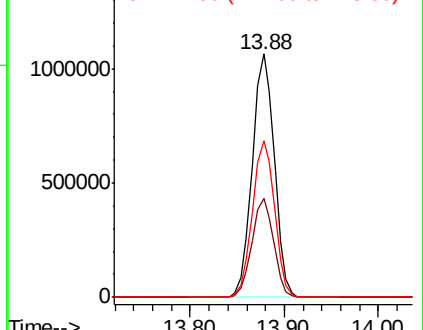
9/4/2018 9:37:16 AM



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: 148.66 ug/l

RT: 14.49 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VW005060.D

Acq: 01 Sep 2018 02:20

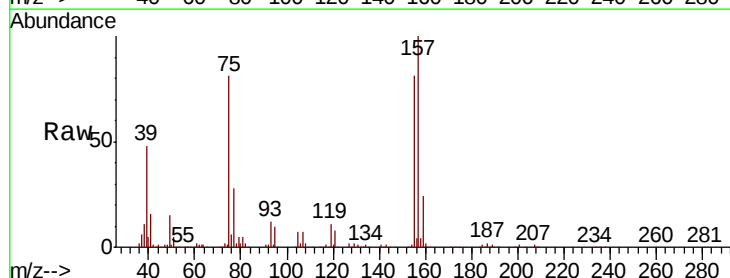
Tgt Ion: 75 Resp: 93327

Ion Ratio Lower Upper

75 100

155 94.3 46.0 137.8

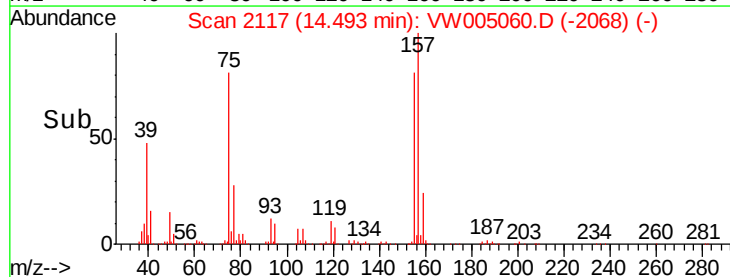
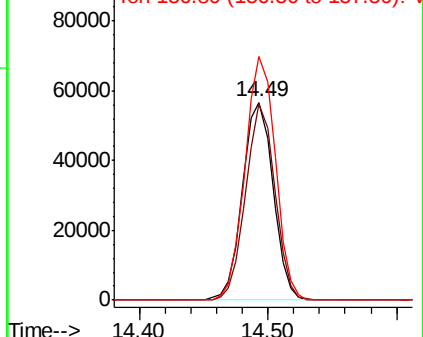
157 121.4 58.6 175.7

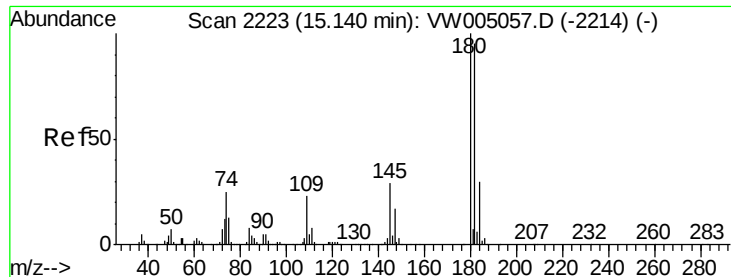


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





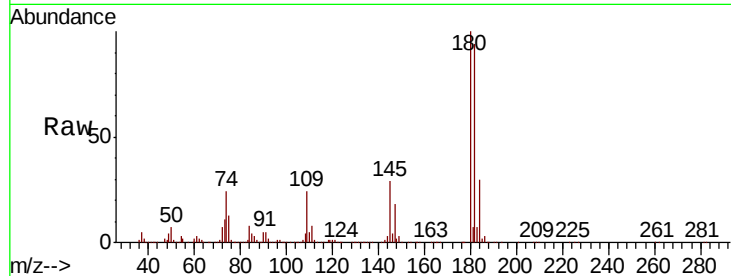
#93  
 1,2,4-Trichlorobenzene  
 Concen: 159.91 ug/l  
 RT: 15.14 min Scan# 2223  
 Delta R.T. -0.00 min  
 Lab File: VW005060.D  
 Acq: 01 Sep 2018 02:20

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.3  | 47.5  | 142.6 |
| 145     | 29.0  | 14.4  | 43.2  |

Manual Integrations  
 APPROVED

apatel  
 9/4/2018 9:37:16 AM

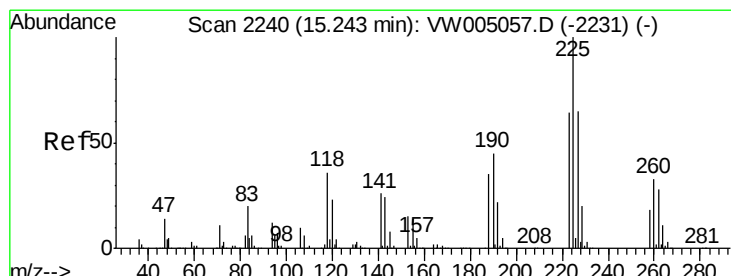
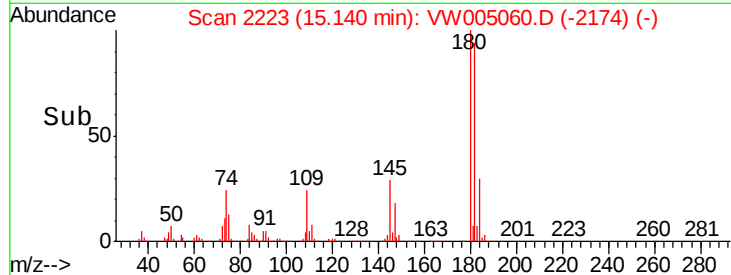
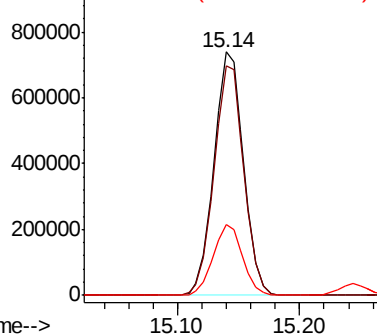


Abundance

Ion 179.80 (179.50 to 180.50): V

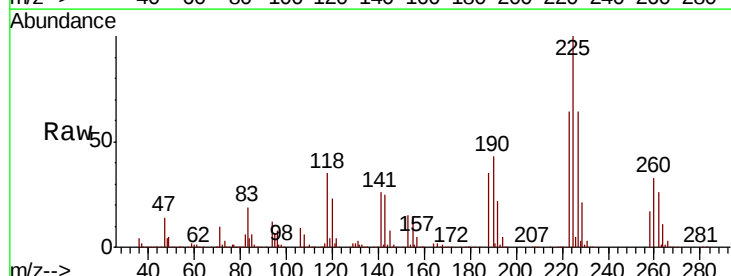
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94  
 Hexachlorobutadiene  
 Concen: 153.18 ug/l  
 RT: 15.24 min Scan# 2240  
 Delta R.T. -0.00 min  
 Lab File: VW005060.D  
 Acq: 01 Sep 2018 02:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.7  | 31.4  | 94.3  |
| 227     | 64.1  | 32.0  | 96.0  |

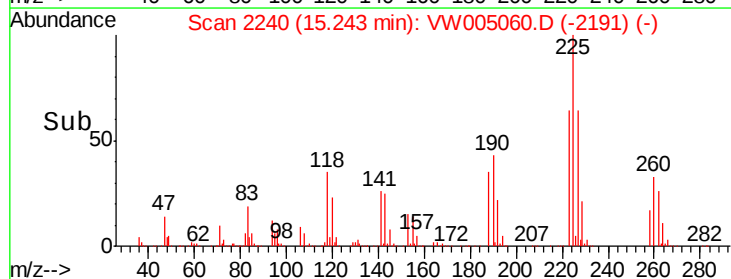
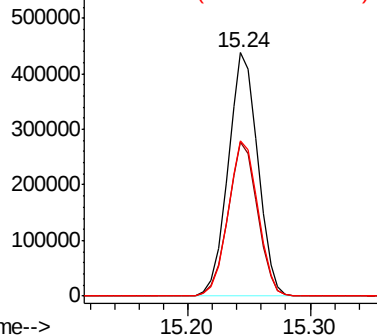


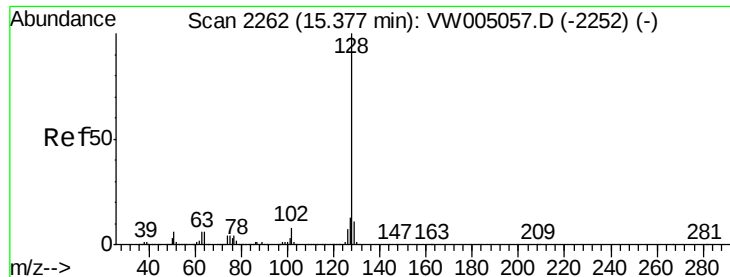
Abundance

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





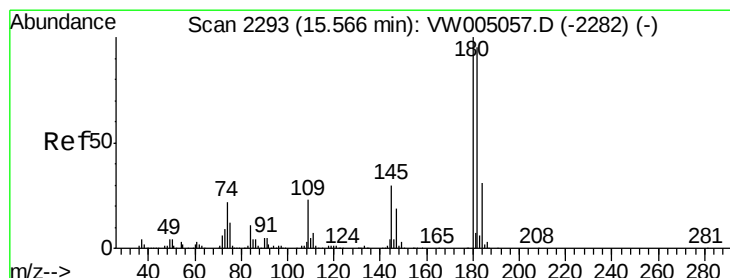
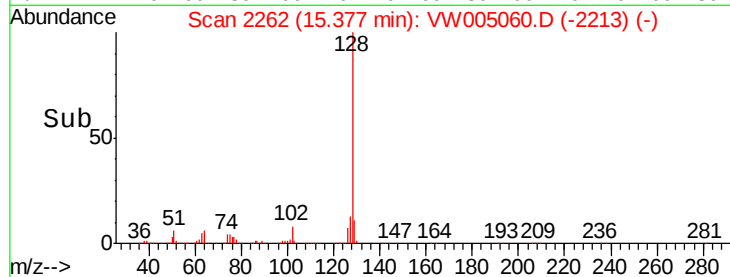
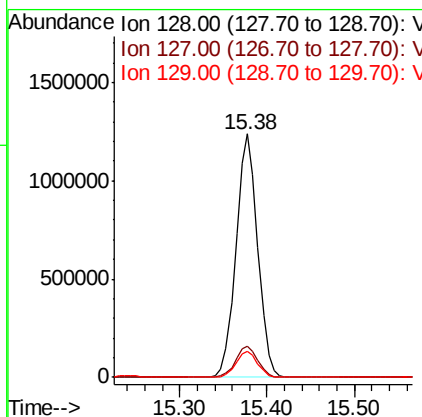
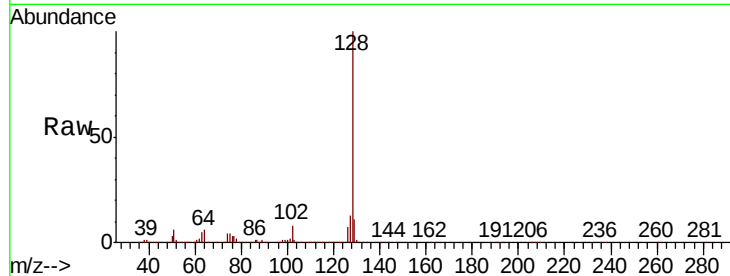
#95  
Naphthalene  
Concen: 169.14 ug/l  
RT: 15.38 min Scan# 2262  
Delta R.T. -0.00 min  
Lab File: VW005060.D  
Acq: 01 Sep 2018 02:20

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.0  | 10.4  | 15.6  |
| 129     | 10.9  | 8.7   | 13.1  |

Manual Integrations  
APPROVED

apatel  
9/4/2018 9:37:16 AM



#96  
1,2,3-Trichlorobenzene  
Concen: 154.23 ug/l  
RT: 15.57 min Scan# 2293  
Delta R.T. -0.00 min  
Lab File: VW005060.D  
Acq: 01 Sep 2018 02:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.1  | 47.4  | 142.3 |
| 145     | 30.8  | 15.4  | 46.1  |

