

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012419\  
 Data File : VW008403.D  
 Acq On : 24 Jan 2019 18:43  
 Operator : SY/VA  
 Sample : VSTDICV050  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 ICSVW012419

Manual Integrations  
 APPROVED

sam  
 1/25/2019 1:43:14 PM

Quant Time: Jan 25 11:19:29 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W012419S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 25 11:07:41 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 509929   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 807012   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 725657   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 379910   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 8.31   | 65  | 281152   | 56.12 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 112.24% |      |
| 35) Dibromofluoromethane    | 7.88   | 113 | 264343   | 56.02 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 112.04% |      |
| 50) Toluene-d8              | 10.32  | 98  | 1069881  | 56.54 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 113.08% |      |
| 62) 4-Bromofluorobenzene    | 12.62  | 95  | 403842   | 55.52 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 111.04% |      |

| Target Compounds              |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 2.01 | 85  | 152942  | 51.777  | ug/l   | 97     |
| 3) Chloromethane              | 2.21 | 50  | 221655  | 53.252  | ug/l   | 99     |
| 4) Vinyl Chloride             | 2.37 | 62  | 289934  | 54.718  | ug/l   | 99     |
| 5) Bromomethane               | 2.78 | 94  | 191981  | 56.173  | ug/l   | 96     |
| 6) Chloroethane               | 2.93 | 64  | 181338  | 55.960  | ug/l   | 96     |
| 7) Trichlorofluoromethane     | 3.26 | 101 | 217243  | 47.408  | ug/l   | 100    |
| 8) Diethyl Ether              | 3.68 | 74  | 134677  | 52.960  | ug/l   | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.06 | 101 | 246772  | 53.506  | ug/l   | 98     |
| 10) Methyl Iodide             | 4.26 | 142 | 401630  | 55.132  | ug/l   | 100    |
| 11) Tert butyl alcohol        | 5.17 | 59  | 102887  | 255.095 | ug/l # | 93     |
| 12) 1,1-Dichloroethene        | 4.04 | 96  | 248083  | 53.151  | ug/l   | 100    |
| 13) Acrolein                  | 3.89 | 56  | 87765   | 246.691 | ug/l   | 99     |
| 14) Allyl chloride            | 4.67 | 41  | 465946  | 52.571  | ug/l   | 100    |
| 15) Acrylonitrile             | 5.37 | 53  | 284195  | 258.808 | ug/l   | 100    |
| 16) Acetone                   | 4.12 | 43  | 271562  | 241.394 | ug/l   | 99     |
| 17) Carbon Disulfide          | 4.37 | 76  | 795822  | 53.385  | ug/l   | 99     |
| 18) Methyl Acetate            | 4.67 | 43  | 151484  | 50.486  | ug/l   | 98     |
| 19) Methyl tert-butyl Ether   | 5.42 | 73  | 413383  | 53.529  | ug/l   | 98     |
| 20) Methylene Chloride        | 4.91 | 84  | 259857  | 50.116  | ug/l   | 98     |
| 21) trans-1,2-Dichloroethene  | 5.42 | 96  | 278998  | 53.169  | ug/l   | 97     |
| 22) Diisopropyl ether         | 6.31 | 45  | 885170  | 52.696  | ug/l   | 99     |
| 23) Vinyl Acetate             | 6.26 | 43  | 2585430 | 260.664 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 6.21 | 63  | 505238  | 53.137  | ug/l   | 99     |
| 25) 2-Butanone                | 7.17 | 43  | 398317  | 254.912 | ug/l   | 99     |
| 26) 2,2-Dichloropropane       | 7.17 | 77  | 332767  | 51.777  | ug/l   | 100    |
| 27) cis-1,2-Dichloroethene    | 7.17 | 96  | 309524  | 54.124  | ug/l   | 98     |
| 28) Bromochloromethane        | 7.51 | 49  | 219703  | 50.308  | ug/l   | 100    |
| 29) Tetrahydrofuran           | 7.53 | 42  | 254684  | 257.205 | ug/l   | 98     |
| 30) Chloroform                | 7.68 | 83  | 499253  | 53.384  | ug/l   | 99     |
| 31) Cyclohexane               | 7.96 | 56  | 486415  | 49.475  | ug/l   | 95     |
| 32) 1,1,1-Trichloroethane     | 7.87 | 97  | 429010  | 53.110  | ug/l   | 100    |
| 36) 1,1-Dichloropropene       | 8.08 | 75  | 405550  | 53.200  | ug/l   | 99     |
| 37) Ethyl Acetate             | 7.25 | 43  | 170639  | 50.595  | ug/l   | 99     |
| 38) Carbon Tetrachloride      | 8.07 | 117 | 410870  | 53.561  | ug/l   | 98     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012419\  
 Data File : VW008403.D  
 Acq On : 24 Jan 2019 18:43  
 Operator : SY/VA  
 Sample : VSTDICV050  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 ICSVW012419

Manual Integrations  
 APPROVED

sam  
 1/25/2019 1:43:14 PM

Quant Time: Jan 25 11:19:29 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W012419S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 25 11:07:41 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units | Dev(Min) |
|--------------------------------|-------|------|----------|----------|-------|----------|
| 39) Methylcyclohexane          | 9.34  | 83   | 526876   | 52.612   | ug/l  | 100      |
| 40) Benzene                    | 8.32  | 78   | 1132434  | 53.535   | ug/l  | 100      |
| 41) Methacrylonitrile          | 7.48  | 41   | 104116   | 52.136   | ug/l  | 97       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 326272   | 53.224   | ug/l  | 99       |
| 43) Isopropyl Acetate          | 8.43  | 43   | 365600   | 52.177   | ug/l  | 98       |
| 44) Trichloroethene            | 9.09  | 130  | 308491   | 53.629   | ug/l  | 96       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 282494   | 53.560   | ug/l  | 99       |
| 46) Dibromomethane             | 9.46  | 93   | 143435   | 52.874   | ug/l  | 98       |
| 47) Bromodichloromethane       | 9.65  | 83   | 383095   | 53.391   | ug/l  | 99       |
| 48) Methyl methacrylate        | 9.44  | 41   | 174628   | 50.970   | ug/l  | 97       |
| 49) 1,4-Dioxane                | 9.45  | 88   | 49444    | 1078.288 | ug/l  | 98       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 891998   | 257.683  | ug/l  | 100      |
| 52) Toluene                    | 10.39 | 92   | 738027   | 52.854   | ug/l  | 98       |
| 53) t-1,3-Dichloropropene      | 10.60 | 75   | 405729   | 53.140   | ug/l  | 100      |
| 54) cis-1,3-Dichloropropene    | 10.07 | 75   | 461871   | 53.305   | ug/l  | 98       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 200090   | 53.176   | ug/l  | 98       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 275291   | 52.213   | ug/l  | 100      |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 356404   | 52.871   | ug/l  | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.93  | 63   | 628261   | 245.249  | ug/l  | 98       |
| 59) 2-Hexanone                 | 10.97 | 43   | 632935   | 259.001  | ug/l  | 99       |
| 60) Dibromochloromethane       | 11.13 | 129  | 258553   | 53.470   | ug/l  | 99       |
| 61) 1,2-Dibromoethane          | 11.24 | 107  | 197885   | 53.039   | ug/l  | 100      |
| 64) Tetrachloroethene          | 10.86 | 164  | 266073   | 54.155   | ug/l  | 97       |
| 65) Chlorobenzene              | 11.66 | 112  | 799441   | 53.968   | ug/l  | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.73 | 131  | 286204   | 54.002   | ug/l  | 99       |
| 67) Ethyl Benzene              | 11.73 | 91   | 1460482  | 53.637   | ug/l  | 99       |
| 68) m/p-Xylenes                | 11.84 | 106  | 1118619  | 105.882  | ug/l  | 100      |
| 69) o-Xylene                   | 12.17 | 106  | 539099   | 53.705   | ug/l  | 99       |
| 70) Styrene                    | 12.18 | 104  | 883929   | 53.310   | ug/l  | 99       |
| 71) Bromoform                  | 12.35 | 173  | 157567   | 52.841   | ug/l  | 99       |
| 73) Isopropylbenzene           | 12.47 | 105  | 1466989  | 51.795   | ug/l  | 100      |
| 74) N-amyl acetate             | 12.27 | 43   | 376793   | 51.640   | ug/l  | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.72 | 83   | 230304   | 51.360   | ug/l  | 97       |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 168014m  | 50.866   | ug/l  |          |
| 77) Bromobenzene               | 12.75 | 156  | 325809   | 52.673   | ug/l  | 98       |
| 78) n-propylbenzene            | 12.80 | 91   | 1783711  | 52.435   | ug/l  | 100      |
| 79) 2-Chlorotoluene            | 12.90 | 91   | 1009260  | 52.576   | ug/l  | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.94 | 105  | 1247840  | 52.711   | ug/l  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.52 | 75   | 85004    | 50.829   | ug/l  | 98       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 1077497  | 52.721   | ug/l  | 100      |
| 83) tert-Butylbenzene          | 13.21 | 119  | 1114528  | 52.905   | ug/l  | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.26 | 105  | 1277446  | 53.090   | ug/l  | 100      |
| 85) sec-Butylbenzene           | 13.39 | 105  | 1584640  | 52.671   | ug/l  | 100      |
| 86) p-Isopropyltoluene         | 13.50 | 119  | 1402591  | 53.222   | ug/l  | 100      |
| 87) 1,3-Dichlorobenzene        | 13.50 | 146  | 670017   | 53.635   | ug/l  | 99       |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 662483   | 53.363   | ug/l  | 99       |
| 89) n-Butylbenzene             | 13.83 | 91   | 1358234  | 52.491   | ug/l  | 100      |
| 90) Hexachloroethane           | 14.10 | 117  | 274595   | 53.281   | ug/l  | 99       |
| 91) 1,2-Dichlorobenzene        | 13.87 | 146  | 589558   | 53.338   | ug/l  | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.49 | 75   | 43341    | 50.941   | ug/l  | 98       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW012419\  
Data File : VW008403.D  
Acq On : 24 Jan 2019 18:43  
Operator : SY/VA  
Sample : VSTDICV050  
Misc : 5.00G/5ML/MSVOA W/SOIL  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
ICVW012419

Manual Integrations  
APPROVED

sam  
1/25/2019 1:43:14 PM

Quant Time: Jan 25 11:19:29 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W012419S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jan 25 11:07:41 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.14 | 180  | 417504   | 52.931 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.24 | 225  | 250645   | 52.727 | ug/l  | 100      |
| 95) Naphthalene            | 15.37 | 128  | 740408   | 53.460 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.56 | 180  | 349846   | 52.286 | ug/l  | 97       |

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

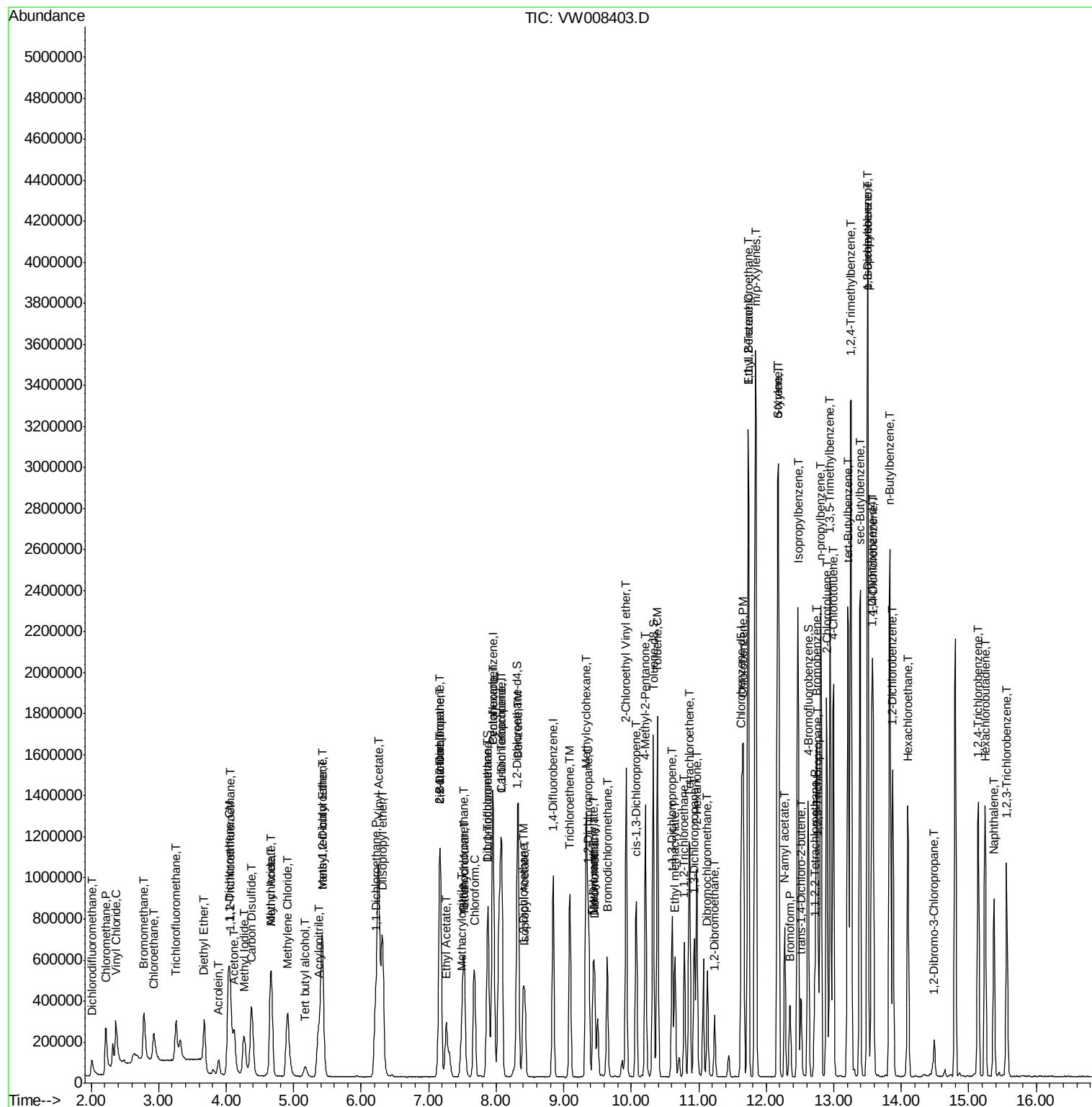
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW012419\  
Data File : VW008403.D  
Acq On : 24 Jan 2019 18:43  
Operator : SY/VA  
Sample : VSTDICV050  
Misc : 5.00G/5ML/MSVOA W/SOIL  
ALS Vial : 13 Sample Multiplier: 1

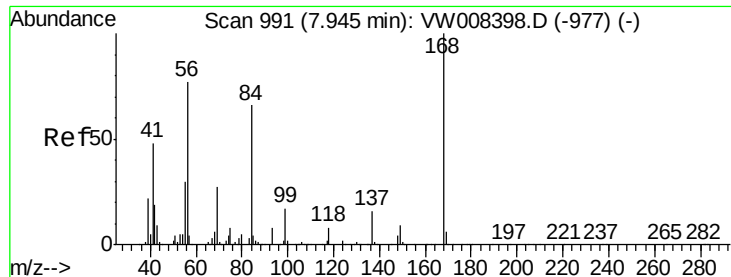
Instrument :  
MSVOA\_W  
ClientSampleId :  
ICVW012419

Manual Integrations  
APPROVED

sam  
1/25/2019 1:43:14 PM

Quant Time: Jan 25 11:19:29 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W012419S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jan 25 11:07:41 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008403.D

Acq: 24 Jan 2019 18:43

Instrument :

MSVOA\_W

ClientSampled :

ICVW012419

Tot Ion:168 Resp: 509929

Ion Ratio Lower Upper

168 100

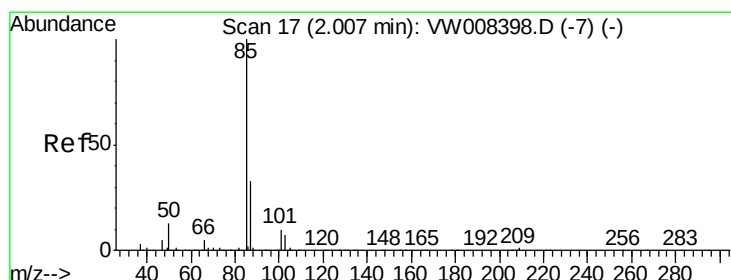
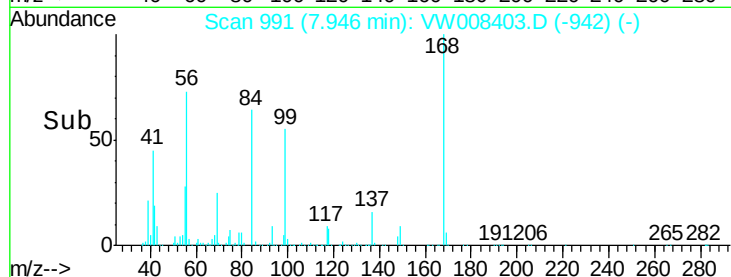
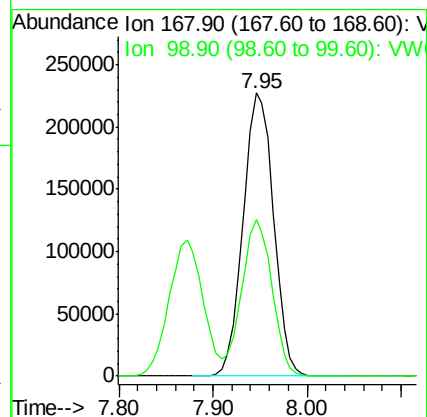
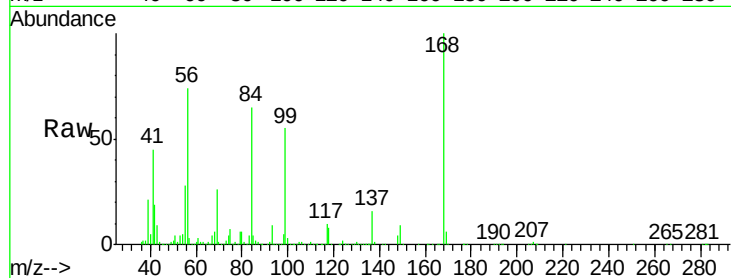
99 55.3 45.5 68.3

Manual Integrations

APPROVED

sam

1/25/2019 1:43:14 PM



#2

Dichlorodifluoromethane

Concen: 51.777 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008403.D

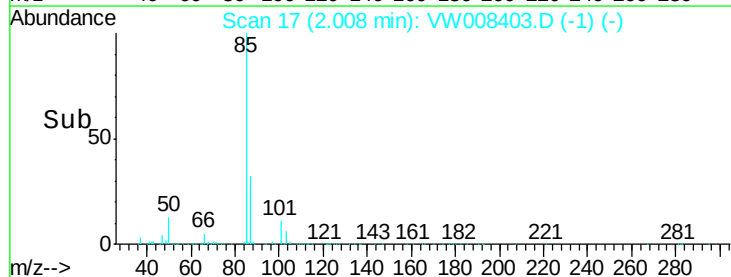
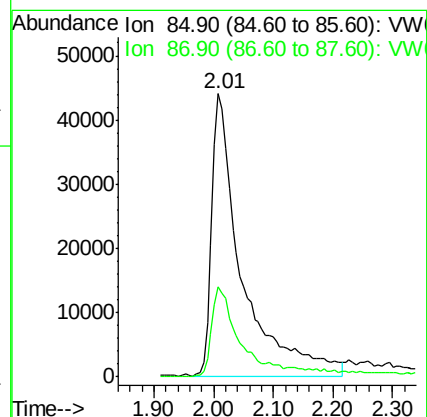
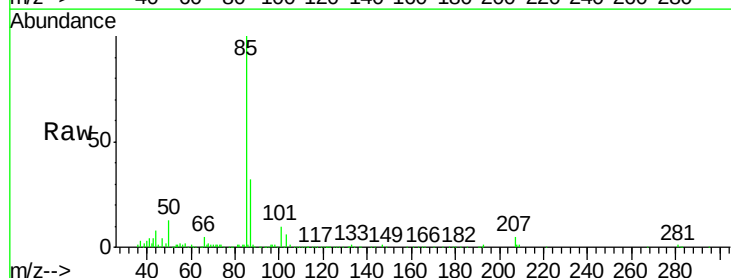
Acq: 24 Jan 2019 18:43

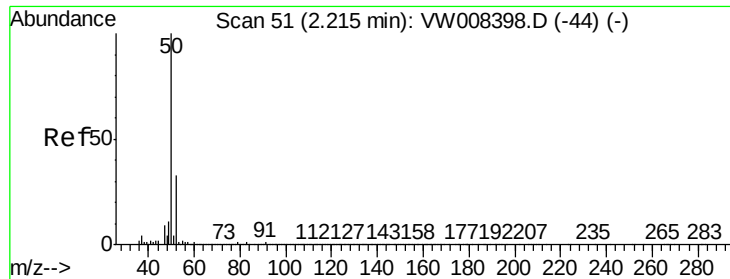
Tgt Ion: 85 Resp: 152942

Ion Ratio Lower Upper

85 100

87 31.9 16.7 50.1





#3

Chloromethane

Concen: 53.252 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008403.D

Acq: 24 Jan 2019 18:43

Instrument :

MSVOA\_W

ClientSampleId :

ICVW012419

Tot Ion: 50 Resp: 221655

Ion Ratio Lower Upper

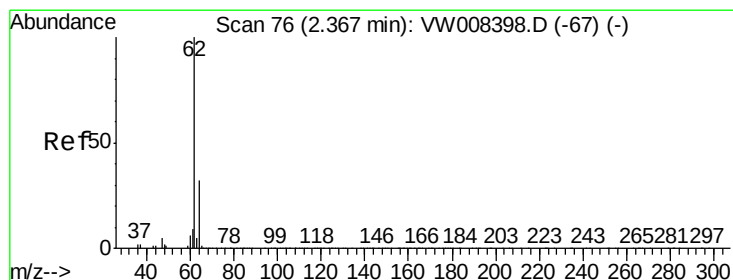
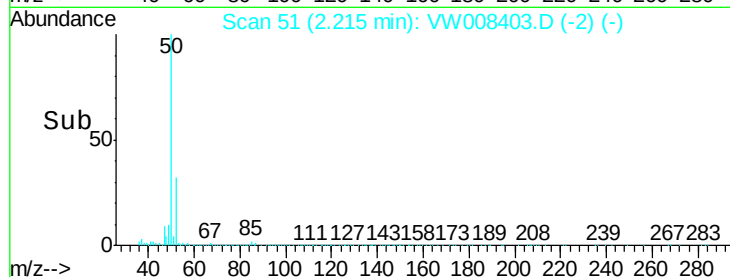
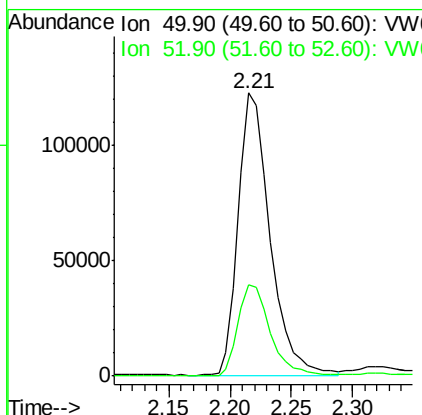
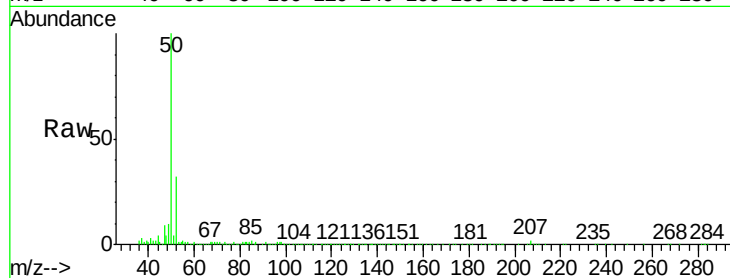
50 100

52 32.6 26.3 39.5

Manual Integrations  
APPROVED

sam

1/25/2019 1:43:14 PM



#4

Vinyl Chloride

Concen: 54.718 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW008403.D

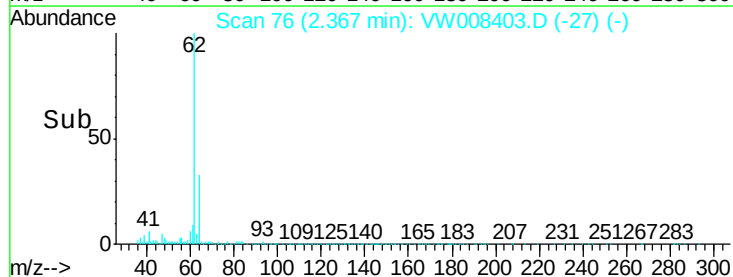
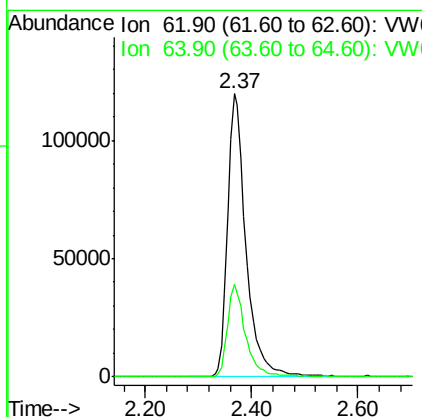
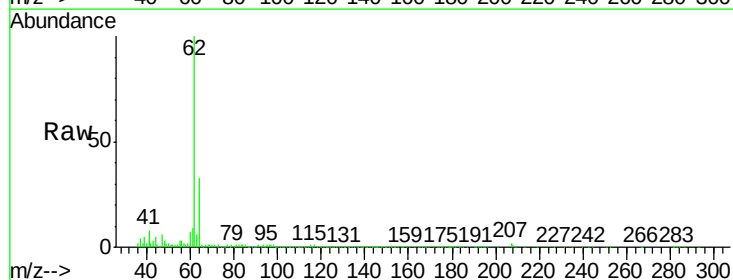
Acq: 24 Jan 2019 18:43

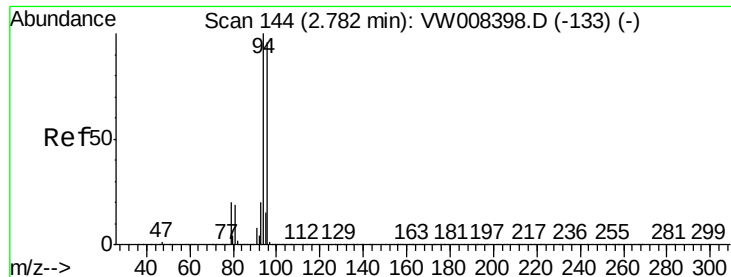
Tgt Ion: 62 Resp: 289934

Ion Ratio Lower Upper

62 100

64 32.5 25.5 38.3





#5

Bromomethane

Concen: 56.173 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW008403.D

Acq: 24 Jan 2019 18:43

Instrument :

MSVOA\_W

ClientSampleId :

ICVW012419

Tot Ion: 94 Resp: 191981

Ion Ratio Lower Upper

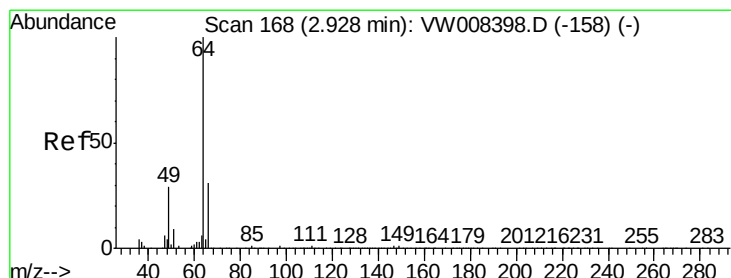
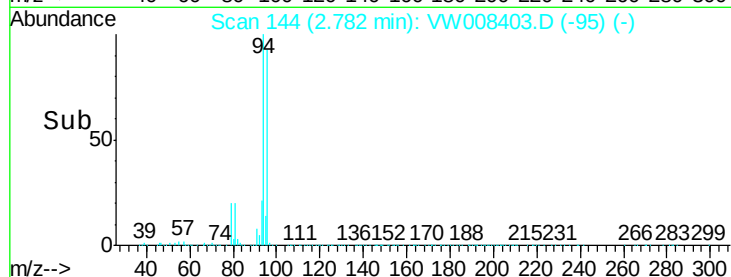
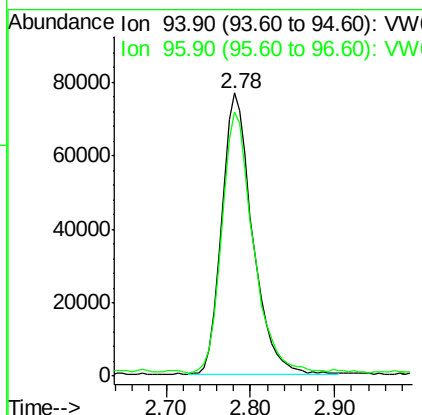
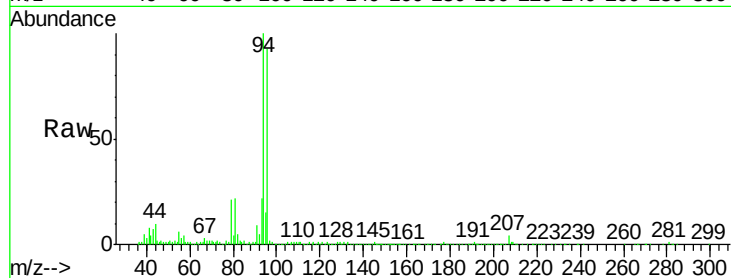
94 100

96 92.7 77.2 115.8

Manual Integrations  
APPROVED

sam

1/25/2019 1:43:14 PM



#6

Chloroethane

Concen: 55.960 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW008403.D

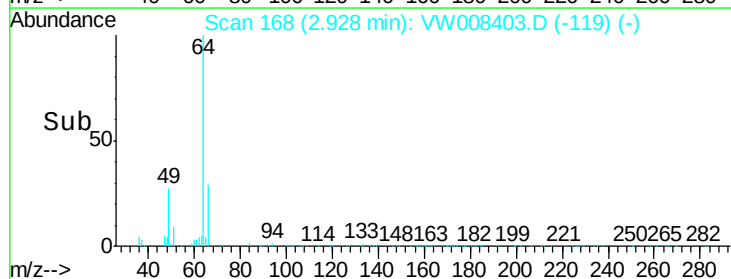
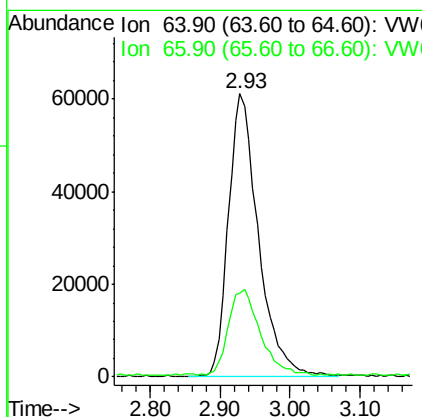
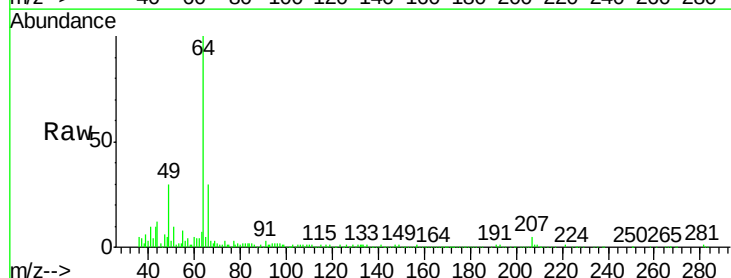
Acq: 24 Jan 2019 18:43

Tgt Ion: 64 Resp: 181338

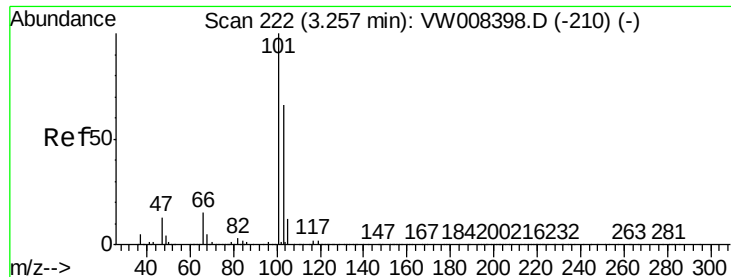
Ion Ratio Lower Upper

64 100

66 29.0 24.9 37.3







#7

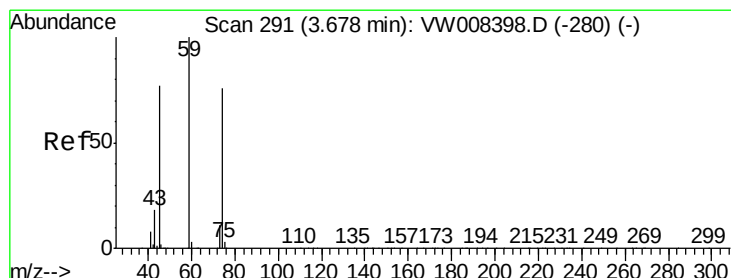
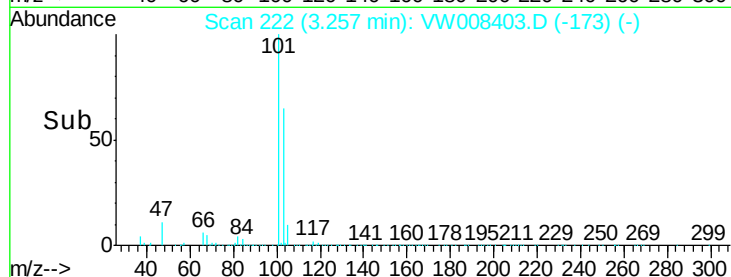
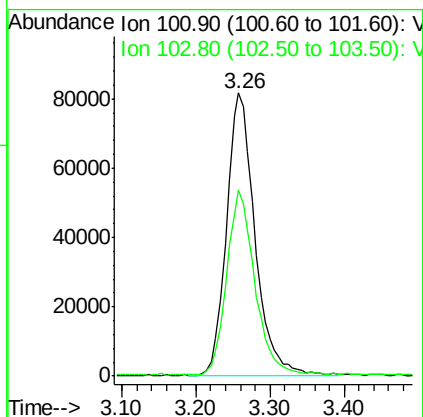
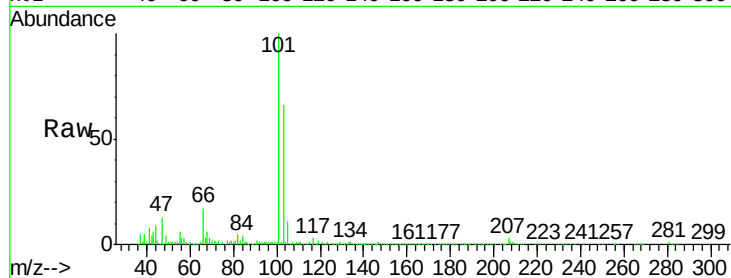
Trichlorofluoromethane  
Concen: 47.408 ug/l  
RT: 3.26 min Scan# 222  
Delta R.T. 0.00 min  
Lab File: VW008403.D  
Acq: 24 Jan 2019 18:43

Instrument :  
MSVOA\_W  
ClientSampled :  
ICVW012419

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 65.5  | 52.5  | 78.7  |

Manual Integrations  
APPROVED

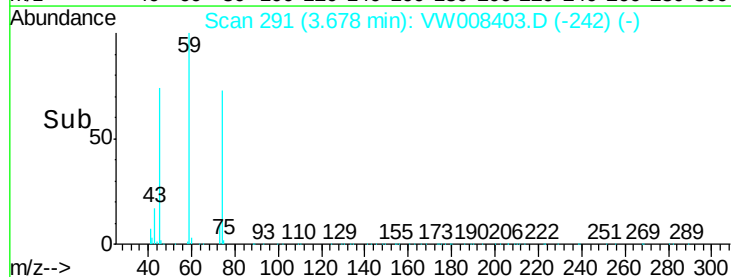
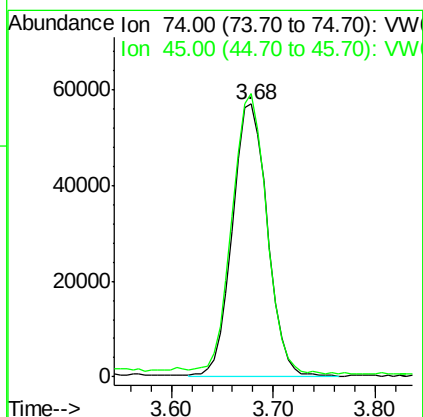
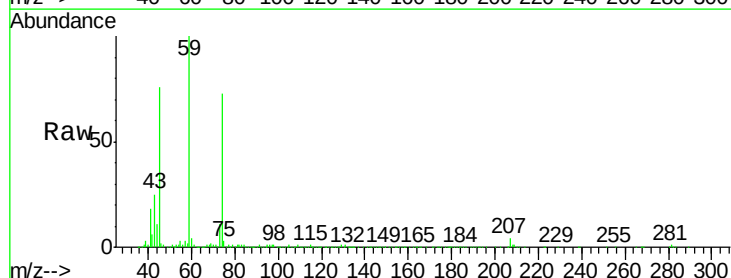
sam  
1/25/2019 1:43:14 PM



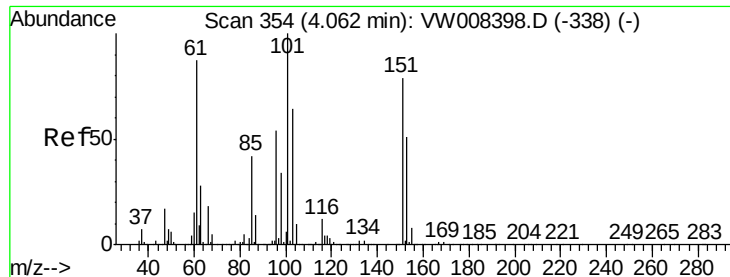
#8

Diethyl Ether  
Concen: 52.960 ug/l  
RT: 3.68 min Scan# 291  
Delta R.T. 0.00 min  
Lab File: VW008403.D  
Acq: 24 Jan 2019 18:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 102.8 | 51.7  | 155.2 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.506 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW008403.D

Acq: 24 Jan 2019 18:43

Instrument :

MSVOA\_W

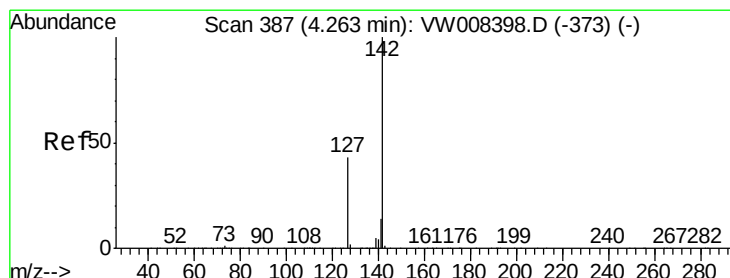
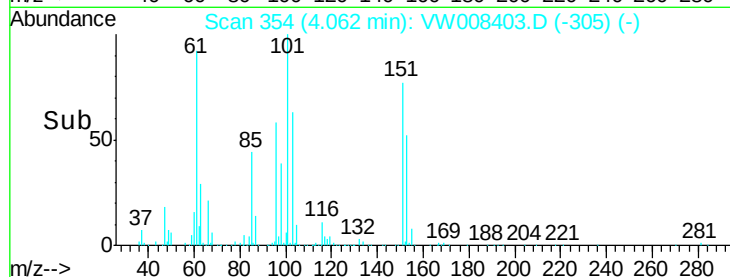
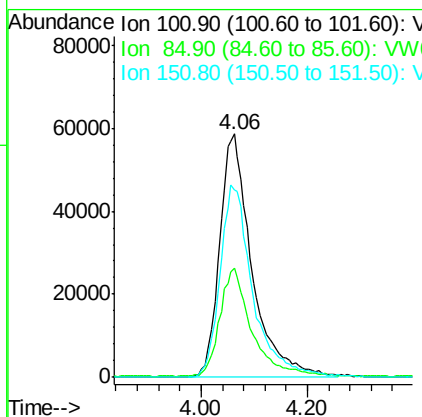
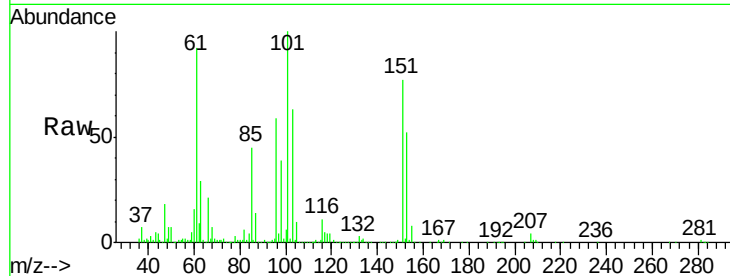
ClientSampleId :

ICVW012419

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 246772 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 43.6  | 35.0  | 52.4   |
| 151       | 81.3  | 62.6  | 94.0   |

Manual Integrations  
APPROVED

sam  
1/25/2019 1:43:14 PM



#10

Methyl Iodide

Concen: 55.132 ug/l

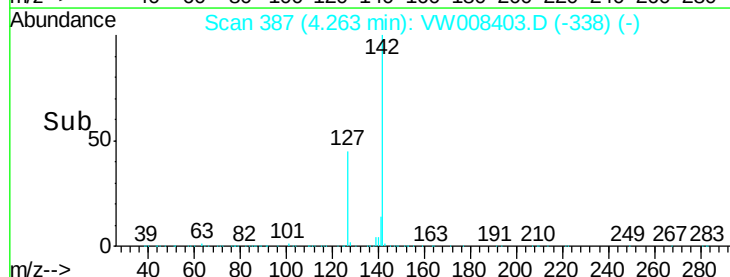
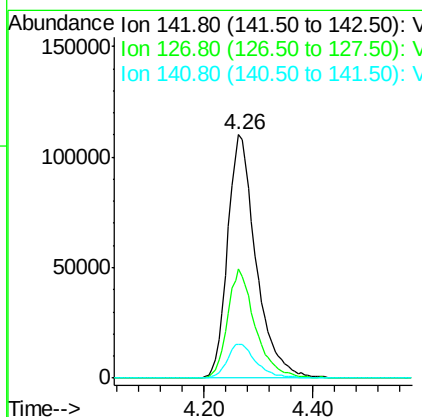
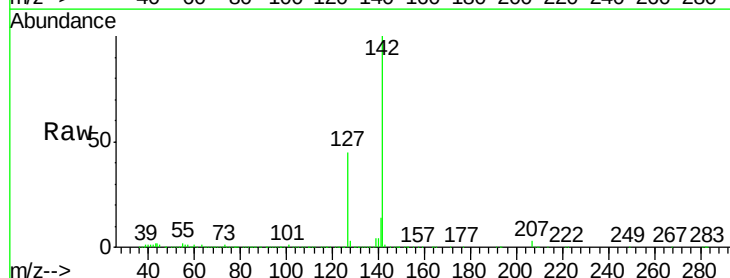
RT: 4.26 min Scan# 387

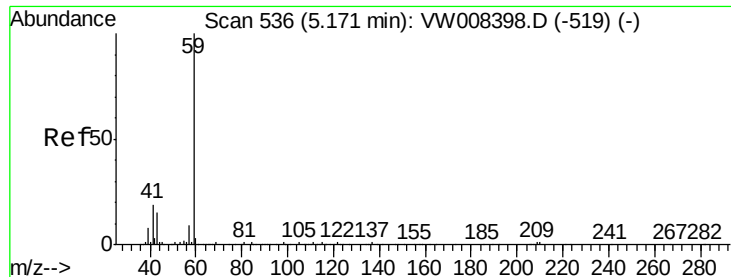
Delta R.T. 0.00 min

Lab File: VW008403.D

Acq: 24 Jan 2019 18:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 401630 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 43.5  | 34.6  | 52.0   |
| 141       | 14.3  | 11.4  | 17.2   |





#11

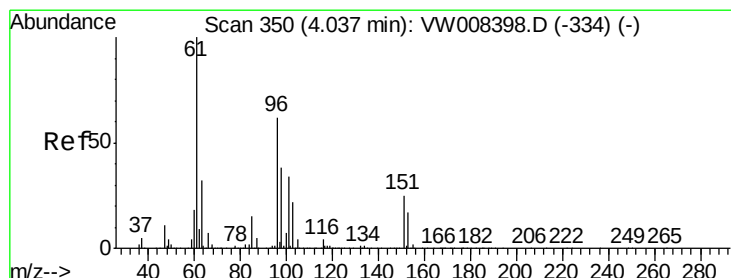
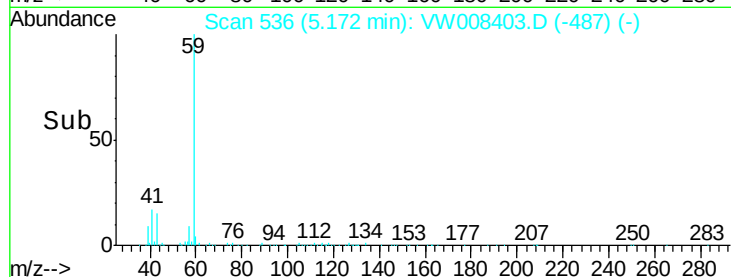
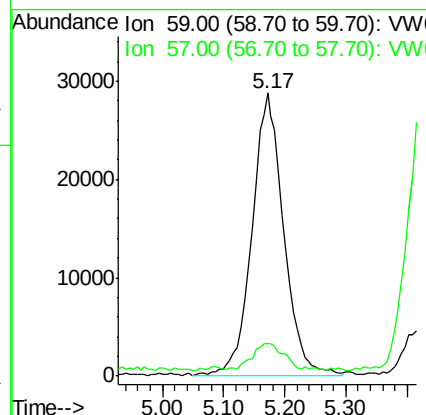
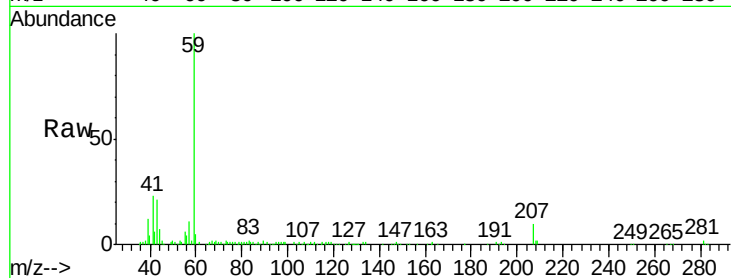
Tert butyl alcohol  
Concen: 255.095 ug/l  
RT: 5.17 min Scan# 536  
Delta R.T. 0.00 min  
Lab File: VW008403.D  
Acq: 24 Jan 2019 18:43

Instrument :  
MSVOA\_W  
ClientSampleId :  
ICVW012419

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 59      | 100   |      |       |       |
| 57      | 9.1   | 9.3  | 13.9# |       |

Manual Integrations  
APPROVED

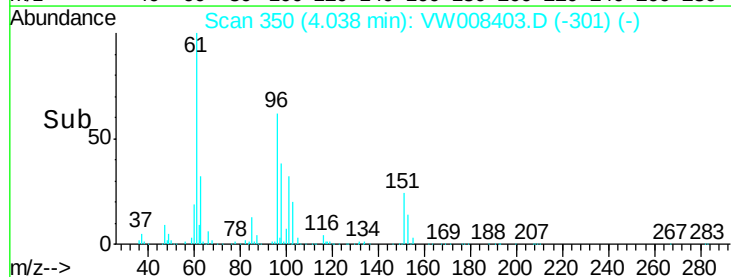
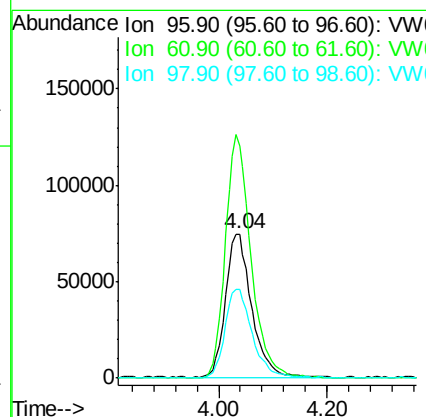
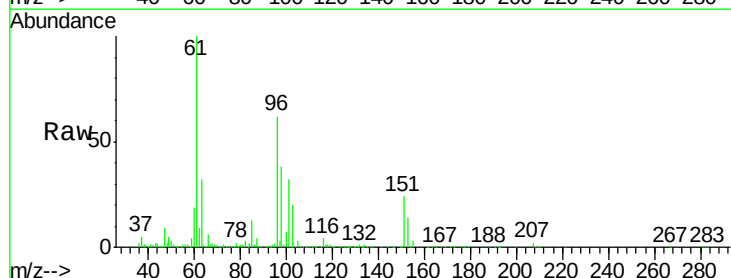
sam  
1/25/2019 1:43:14 PM

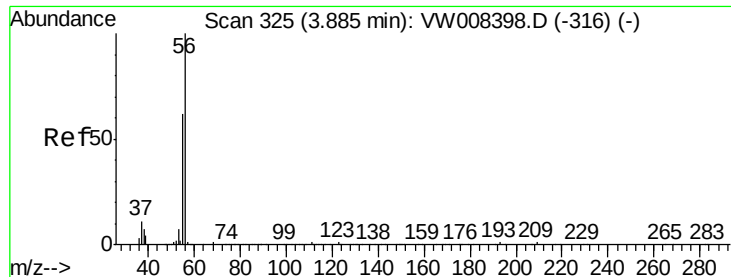


#12

1,1-Dichloroethene  
Concen: 53.151 ug/l  
RT: 4.04 min Scan# 350  
Delta R.T. 0.00 min  
Lab File: VW008403.D  
Acq: 24 Jan 2019 18:43

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 96      | 100   |       |       |       |
| 61      | 161.8 | 129.5 | 194.3 |       |
| 98      | 61.4  | 48.6  | 73.0  |       |





#13

Acrolein

Concen: 246.691 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW008403.D

Acq: 24 Jan 2019 18:43

Instrument :

MSVOA\_W

ClientSampleId :

ICVW012419

Tot Ion: 56 Resp: 87765

Ion Ratio Lower Upper

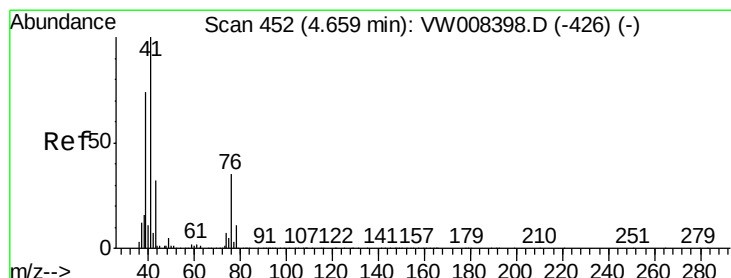
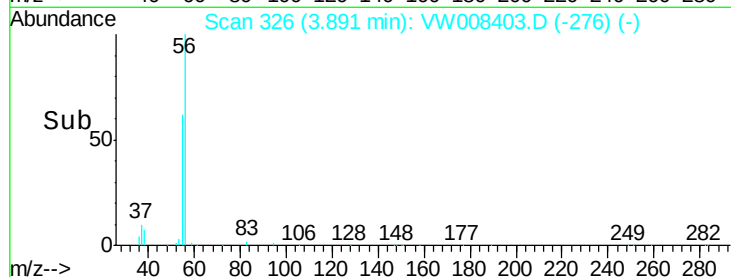
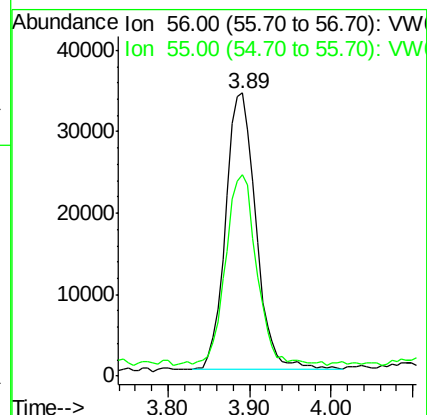
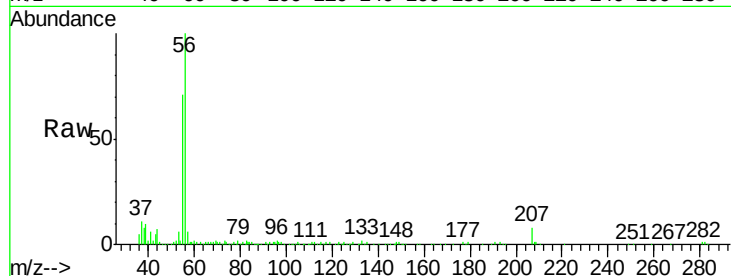
56 100

55 69.9 56.7 85.1

Manual Integrations  
APPROVED

sam

1/25/2019 1:43:14 PM



#14

Allyl chloride

Concen: 52.571 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW008403.D

Acq: 24 Jan 2019 18:43

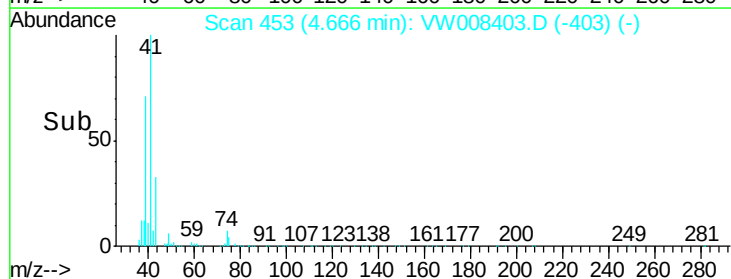
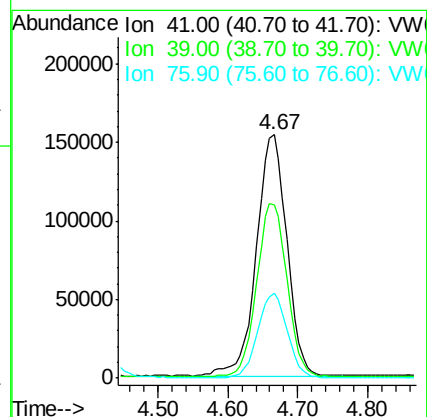
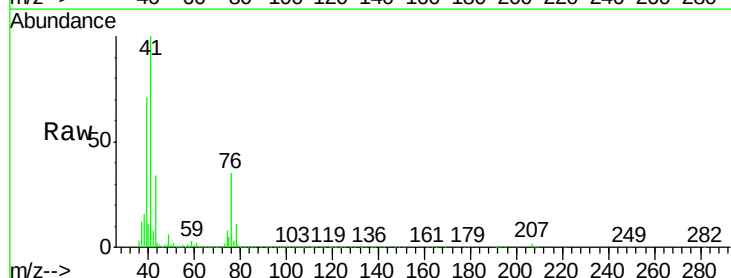
Tgt Ion: 41 Resp: 465946

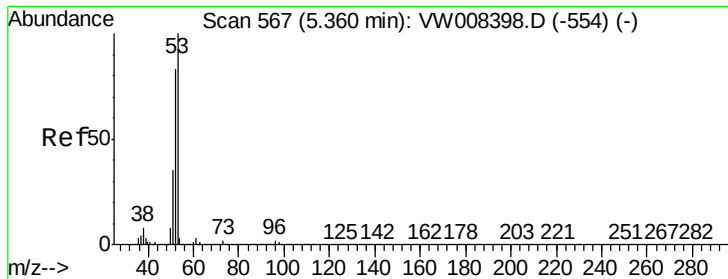
Ion Ratio Lower Upper

41 100

39 71.7 57.7 86.5

76 33.9 26.9 40.3





#15

Acrylonitrile

Concen: 258.808 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW008403.D

Acq: 24 Jan 2019 18:43

Instrument :

MSVOA\_W

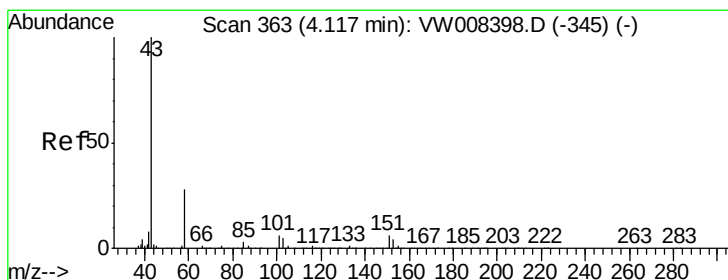
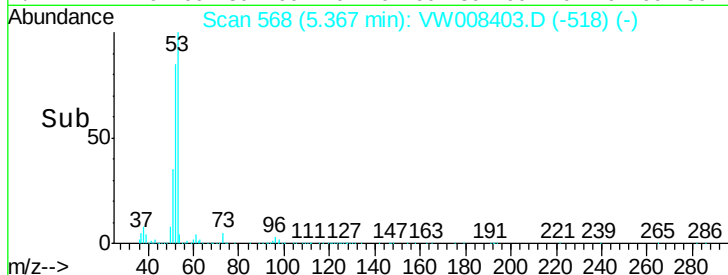
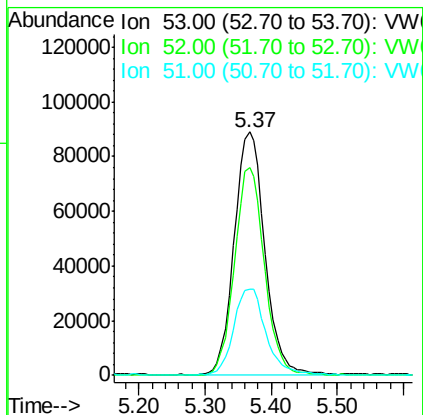
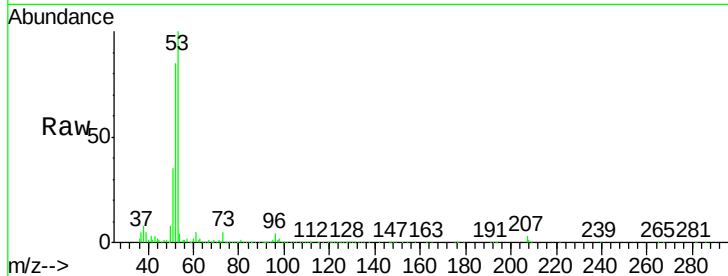
ClientSampleId :

ICVW012419

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 53   | Resp: | 284195 |
| Ion Ratio |      | Lower | Upper  |
| 53        | 100  |       |        |
| 52        | 83.6 | 67.0  | 100.4  |
| 51        | 37.7 | 29.8  | 44.8   |

Manual Integrations  
APPROVED

sam  
1/25/2019 1:43:14 PM



#16

Acetone

Concen: 241.394 ug/l

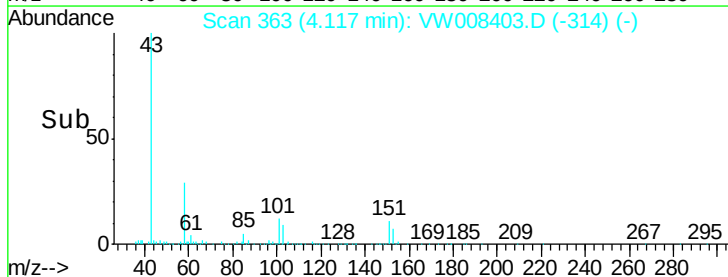
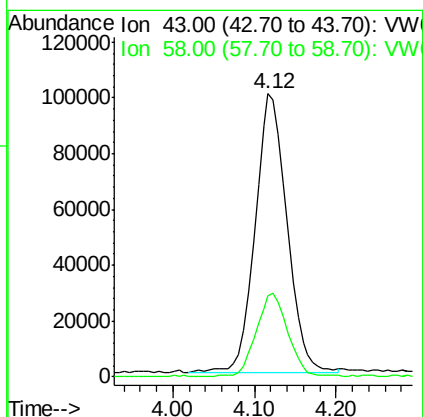
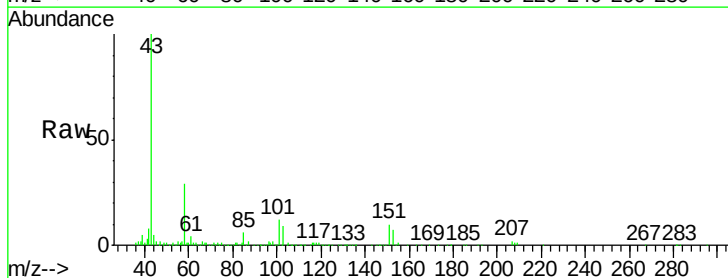
RT: 4.12 min Scan# 363

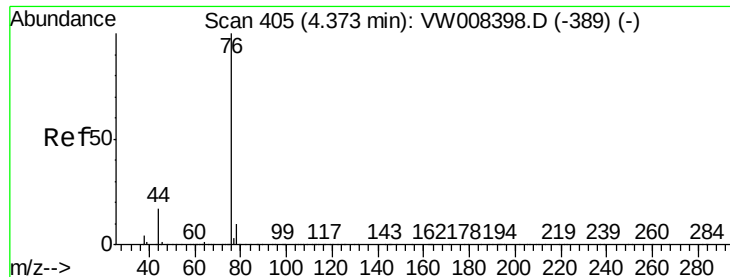
Delta R.T. 0.00 min

Lab File: VW008403.D

Acq: 24 Jan 2019 18:43

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 43   | Resp: | 271562 |
| Ion Ratio |      | Lower | Upper  |
| 43        | 100  |       |        |
| 58        | 29.0 | 22.6  | 34.0   |





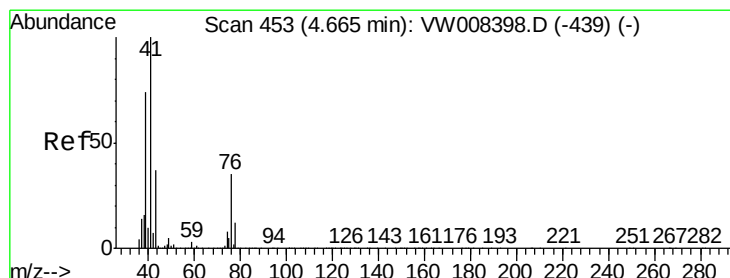
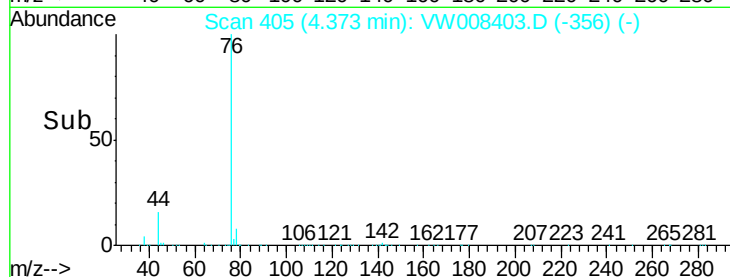
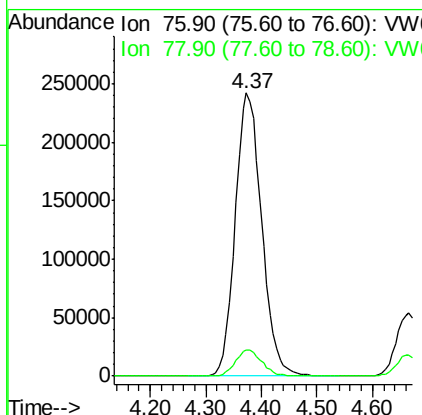
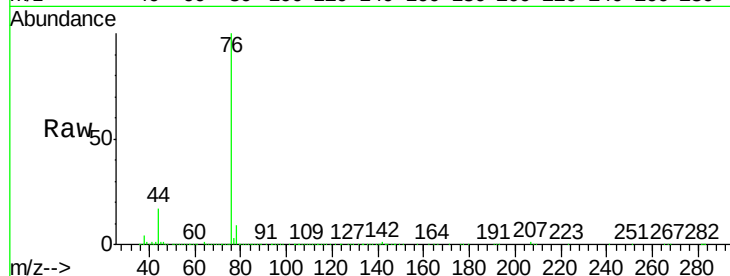
#17  
Carbon Disulfide  
Concen: 53.385 ug/l  
RT: 4.37 min Scan# 405  
Delta R.T. 0.00 min  
Lab File: VW008403.D  
Acq: 24 Jan 2019 18:43

Instrument :  
MSVOA\_W  
ClientSampled :  
ICVW012419

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.1   | 7.7   | 11.5  |

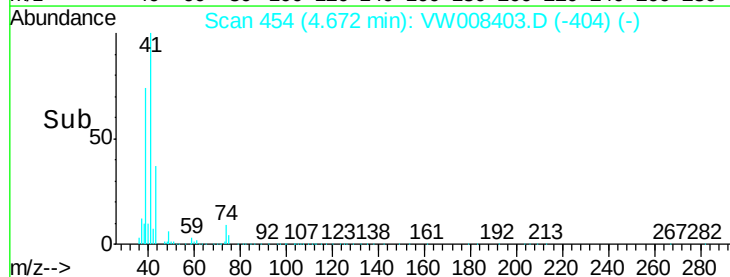
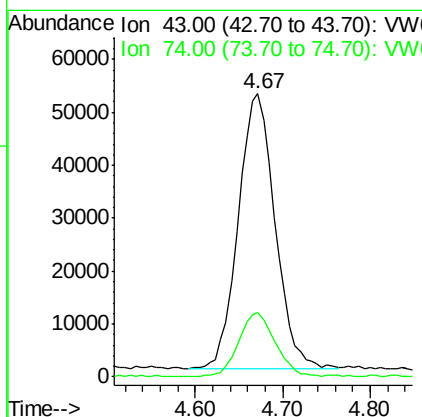
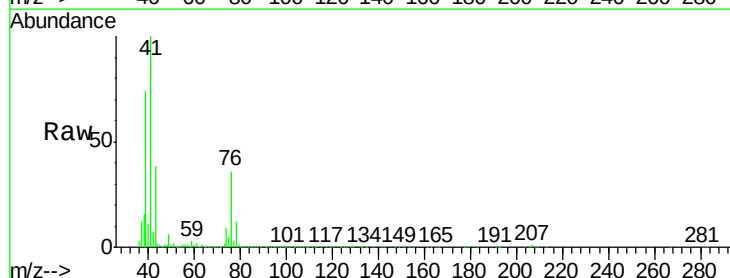
Manual Integrations  
APPROVED

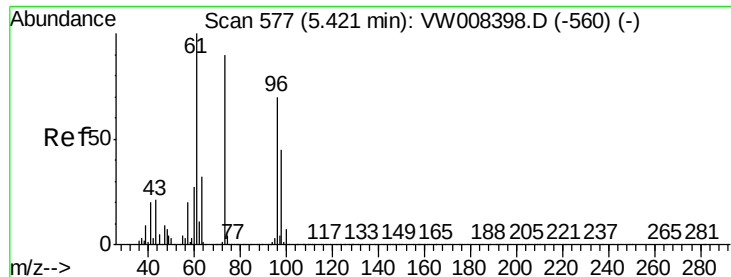
sam  
1/25/2019 1:43:14 PM



#18  
Methyl Acetate  
Concen: 50.486 ug/l  
RT: 4.67 min Scan# 454  
Delta R.T. 0.01 min  
Lab File: VW008403.D  
Acq: 24 Jan 2019 18:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 22.7  | 17.5  | 26.3  |





#19

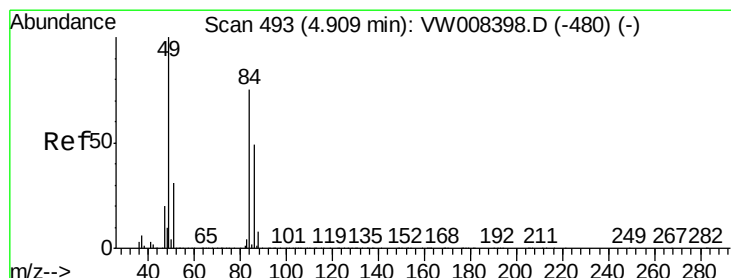
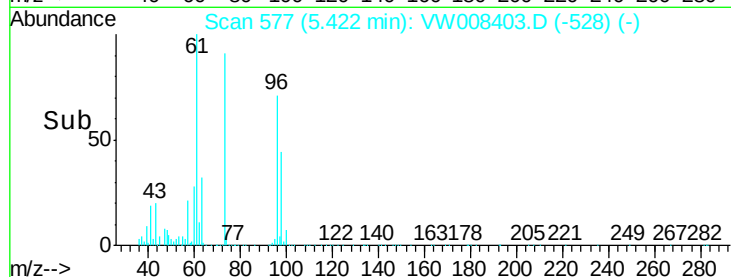
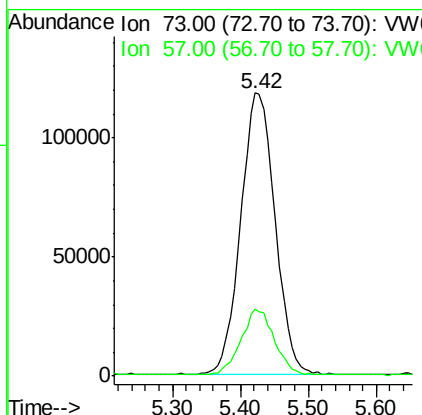
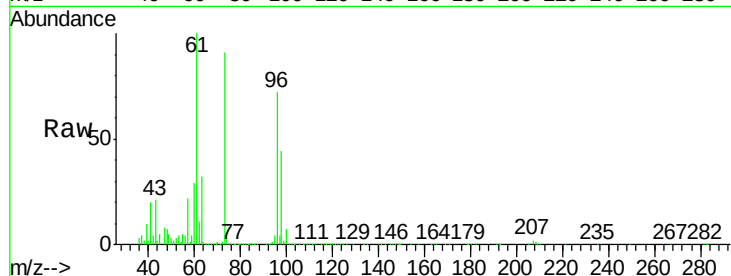
Methyl tert-butyl Ether  
 Concen: 53.529 ug/l  
 RT: 5.42 min Scan# 577  
 Delta R.T. 0.00 min  
 Lab File: VW008403.D  
 Acq: 24 Jan 2019 18:43

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 ICVVW012419

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 23.2  | 18.0  | 27.0  |

Manual Integrations  
 APPROVED

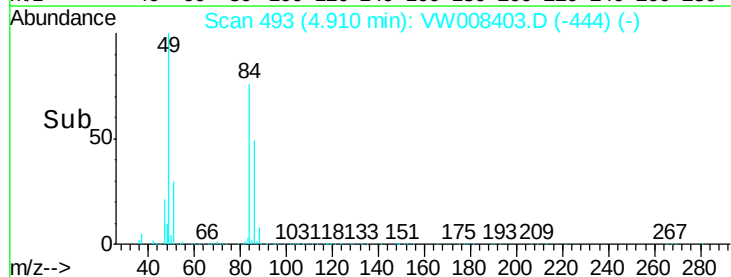
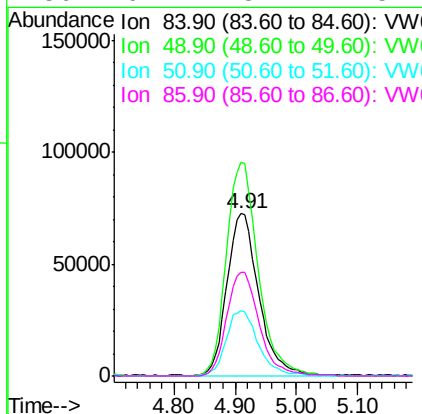
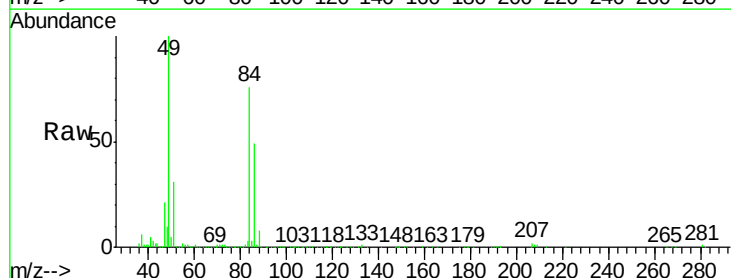
sam  
 1/25/2019 1:43:14 PM

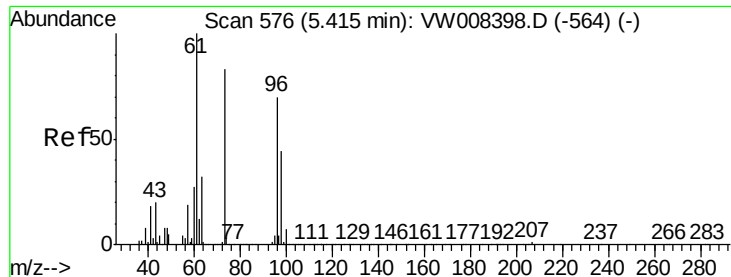


#20

Methylene Chloride  
 Concen: 50.116 ug/l  
 RT: 4.91 min Scan# 493  
 Delta R.T. 0.00 min  
 Lab File: VW008403.D  
 Acq: 24 Jan 2019 18:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 131.5 | 106.8 | 160.2 |
| 51      | 40.1  | 32.9  | 49.3  |
| 86      | 64.2  | 52.2  | 78.2  |





#21

trans-1,2-Dichloroethene

Concen: 53.169 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW008403.D

Acq: 24 Jan 2019 18:43

Instrument :

MSVOA\_W

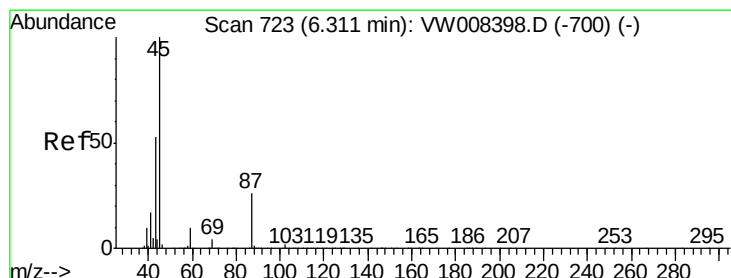
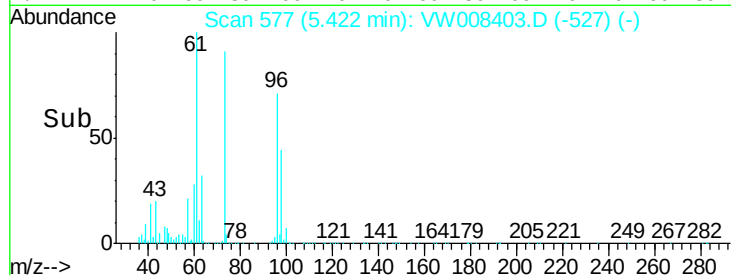
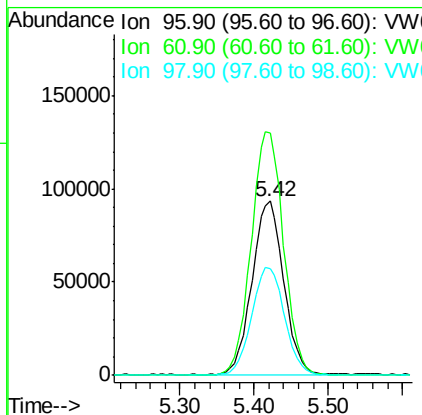
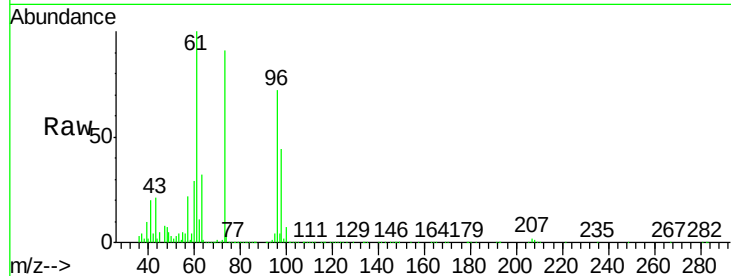
ClientSampleId :

ICVW012419

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 278998 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 139.7 | 114.4 | 171.6  |
| 98       | 61.0  | 50.6  | 75.8   |

Manual Integrations  
APPROVED

sam  
1/25/2019 1:43:14 PM



#22

Diisopropyl ether

Concen: 52.696 ug/l

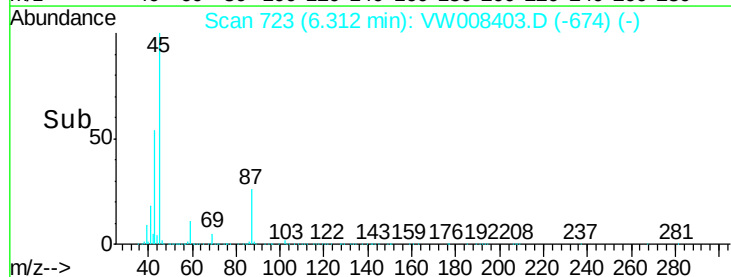
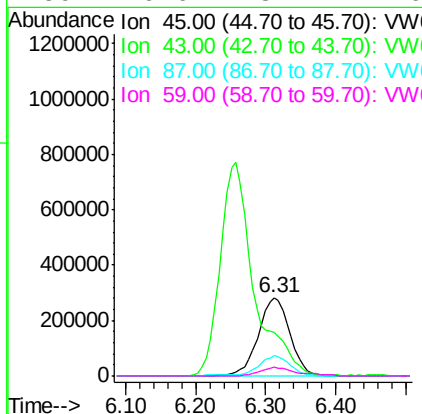
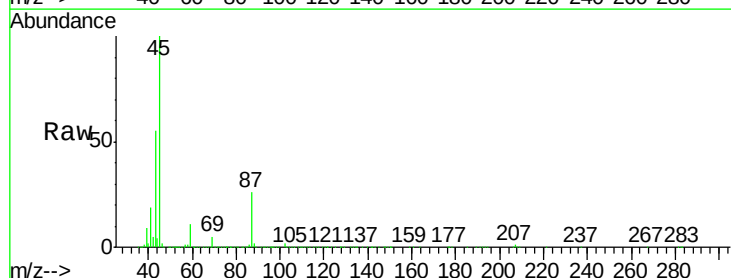
RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

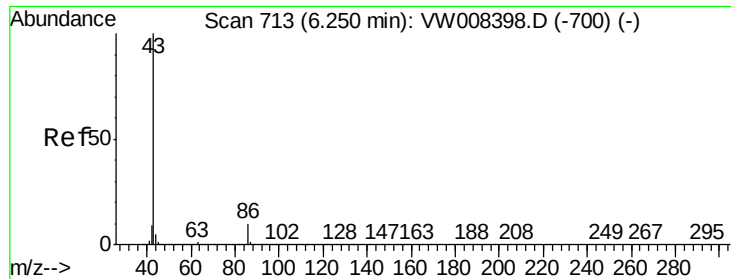
Lab File: VW008403.D

Acq: 24 Jan 2019 18:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 885170 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 54.1  | 42.6  | 63.8   |
| 87       | 26.1  | 20.3  | 30.5   |
| 59       | 10.6  | 8.4   | 12.6   |







#23

Vinyl Acetate

Concen: 260.664 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW008403.D

Acq: 24 Jan 2019 18:43

Tot Ion: 43 Resp: 2585430

Ion Ratio Lower Upper

43 100

86 10.0 7.8 11.8

Instrument :

MSVOA\_W

ClientSampleId :

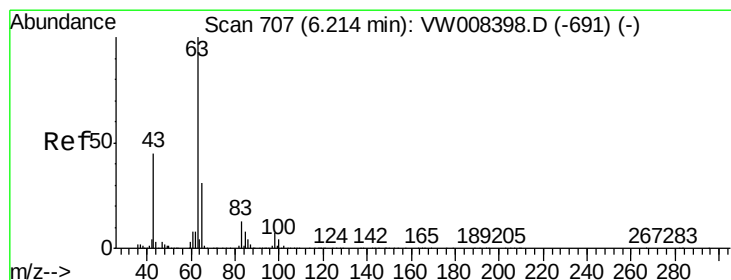
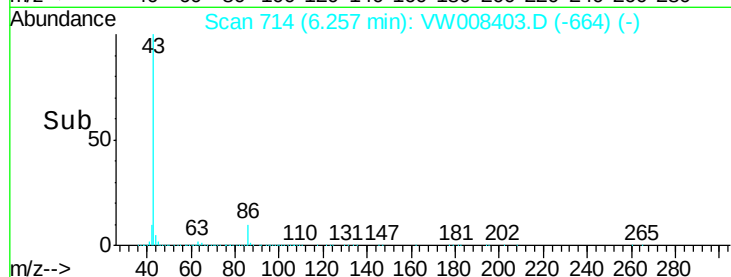
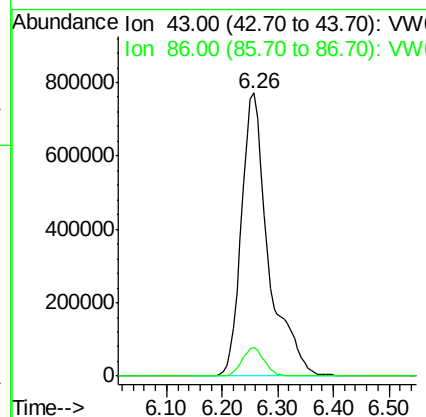
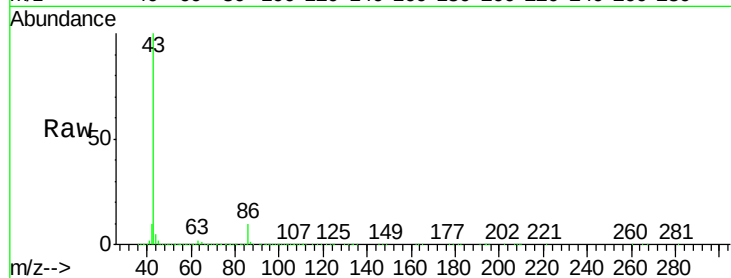
ICVW012419

Manual Integrations

APPROVED

sam

1/25/2019 1:43:14 PM



#24

1,1-Dichloroethane

Concen: 53.137 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW008403.D

Acq: 24 Jan 2019 18:43

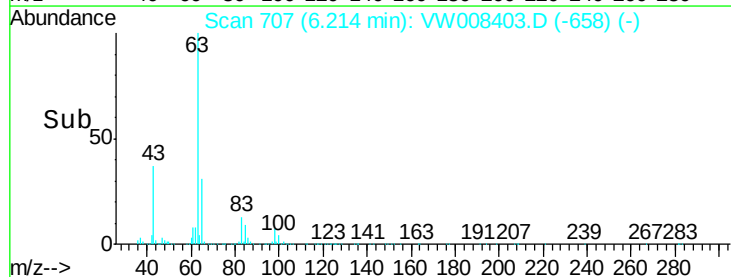
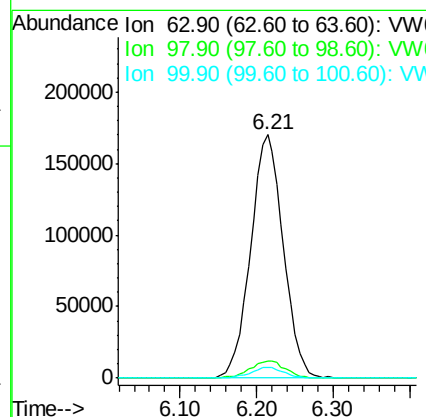
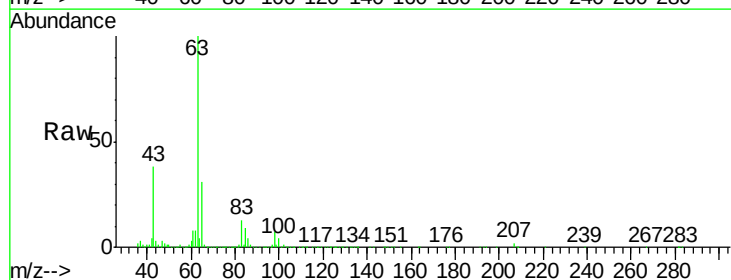
Tgt Ion: 63 Resp: 505238

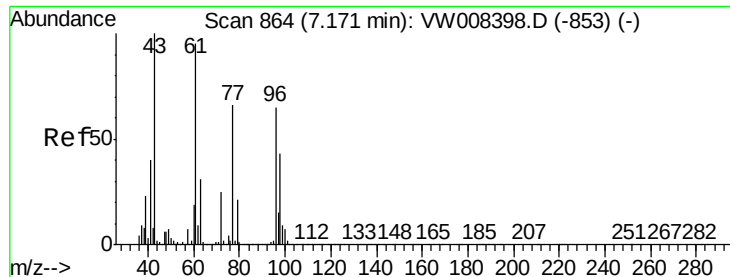
Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.5

100 4.4 2.1 6.2





#25

2-Butanone

Concen: 254.912 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008403.D

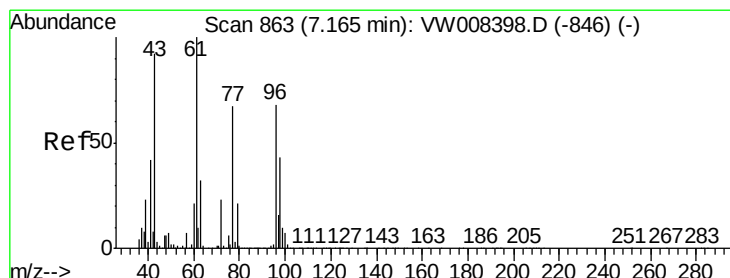
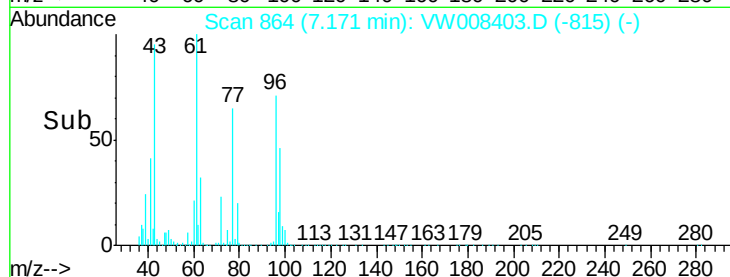
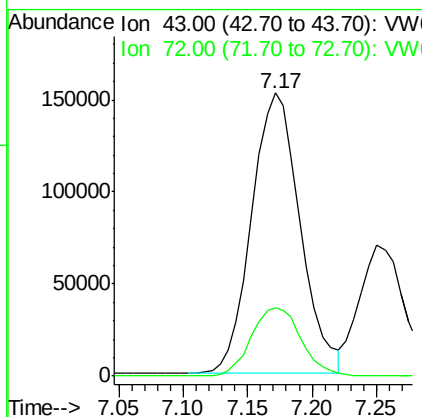
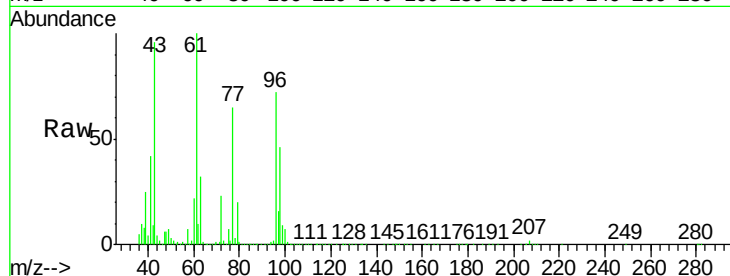
Acq: 24 Jan 2019 18:43

| Tot Ion   | 43    | Resp  | 398317 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 72        | 24.5  | 20.1  | 30.1   |

Instrument :  
MSVOA\_W  
ClientSampleId :  
ICVW012419

Manual Integrations  
APPROVED

sam  
1/25/2019 1:43:14 PM



#26

2,2-Dichloropropane

Concen: 51.777 ug/l

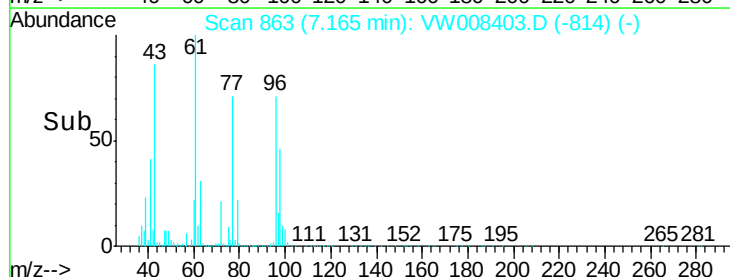
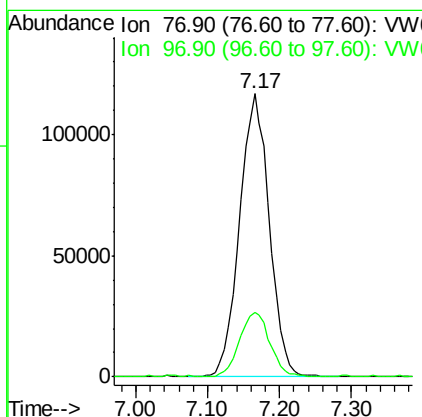
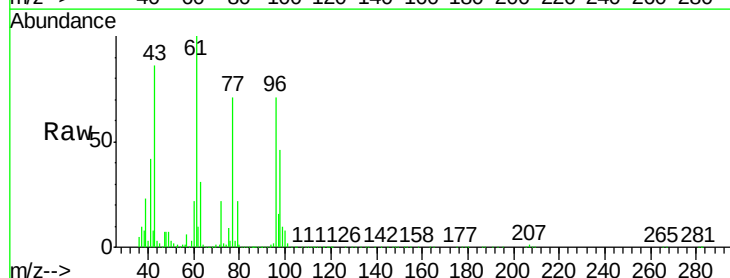
RT: 7.17 min Scan# 863

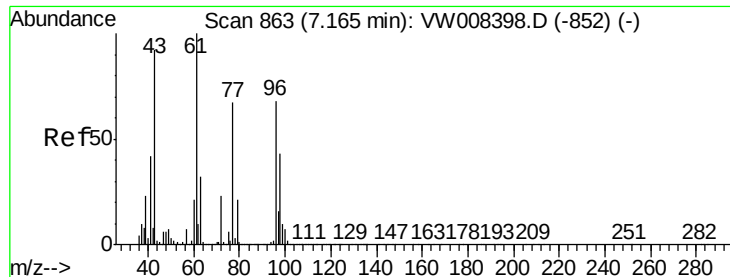
Delta R.T. 0.00 min

Lab File: VW008403.D

Acq: 24 Jan 2019 18:43

| Tgt Ion   | 77    | Resp  | 332767 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 97        | 22.9  | 11.5  | 34.5   |





#27

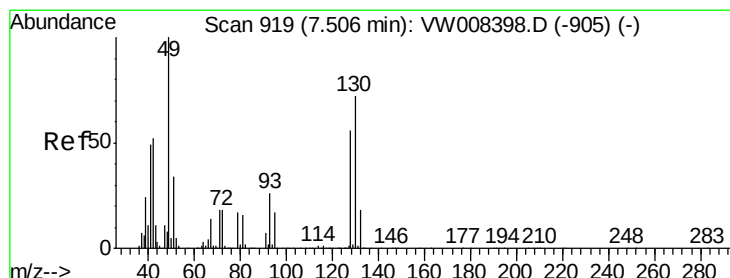
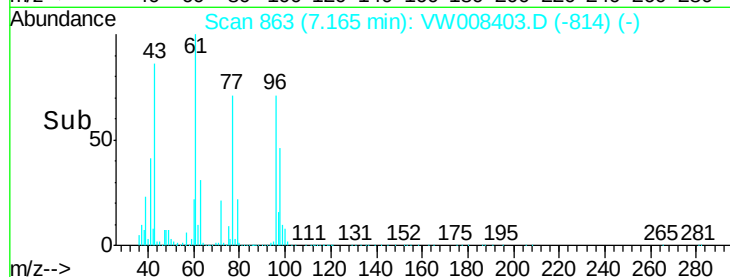
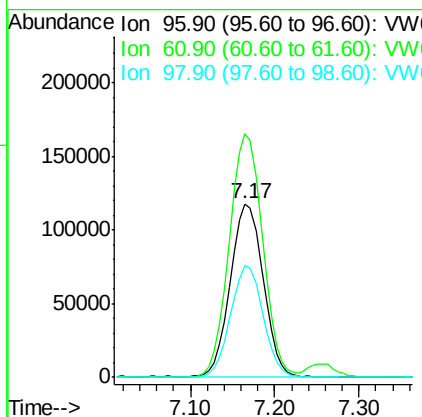
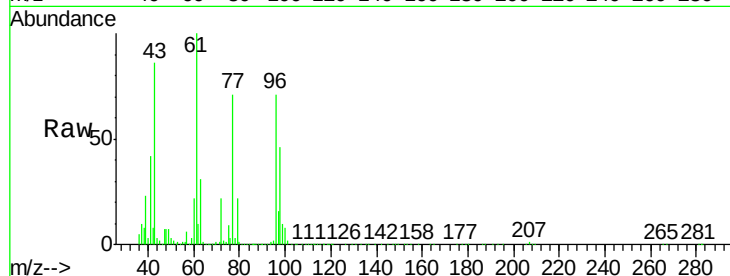
cis-1,2-Dichloroethene  
Concen: 54.124 ug/l  
RT: 7.17 min Scan# 863  
Delta R.T. 0.00 min  
Lab File: VW008403.D  
Acq: 24 Jan 2019 18:43

Instrument :  
MSVOA\_W  
ClientSampleId :  
ICVW012419

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 143.5 | 0.0   | 292.8 |
| 98      | 64.0  | 0.0   | 129.2 |

Manual Integrations  
APPROVED

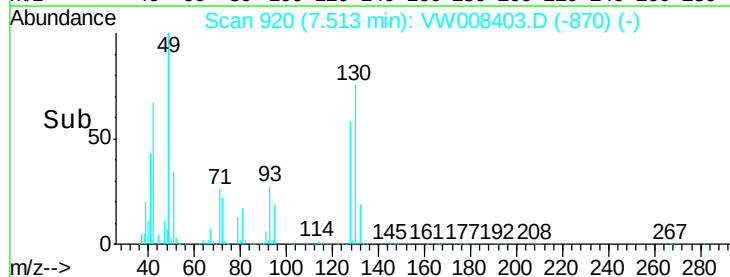
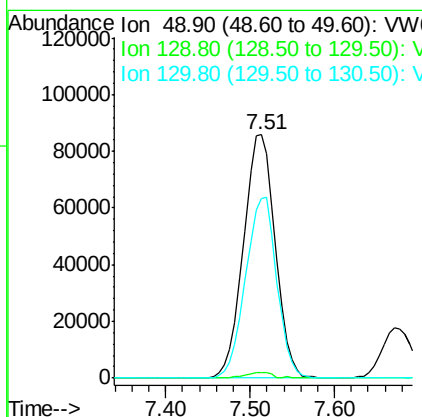
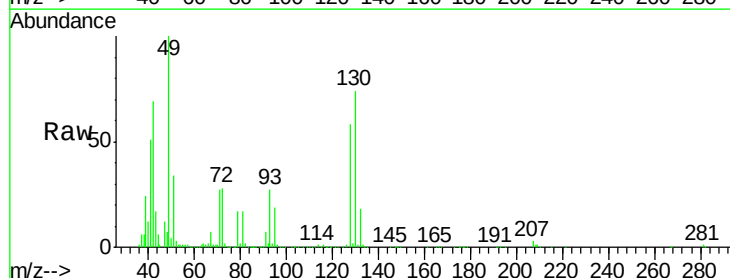
sam  
1/25/2019 1:43:14 PM

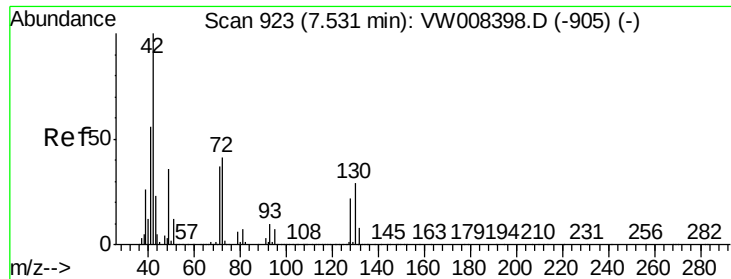


#28

Bromochloromethane  
Concen: 50.308 ug/l  
RT: 7.51 min Scan# 920  
Delta R.T. 0.01 min  
Lab File: VW008403.D  
Acq: 24 Jan 2019 18:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.0   | 0.0   | 4.6   |
| 130     | 73.6  | 58.6  | 87.8  |





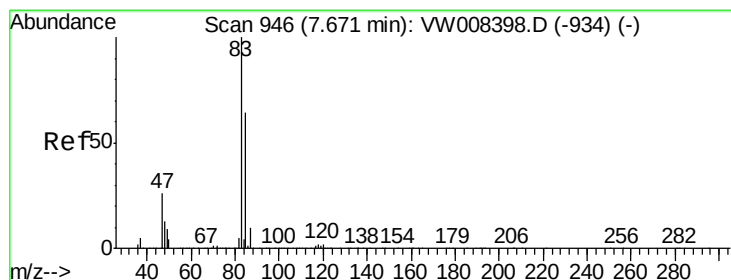
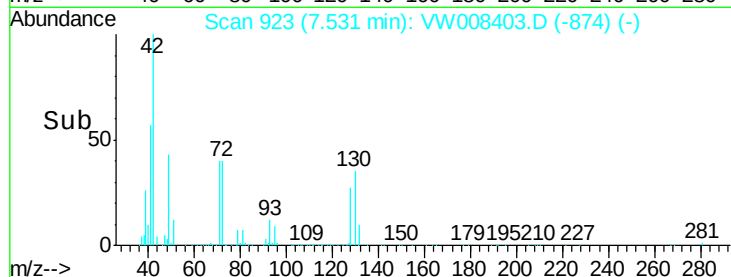
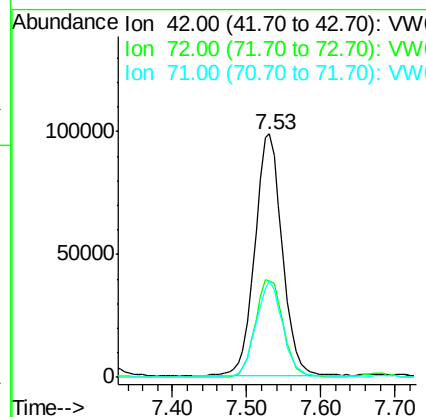
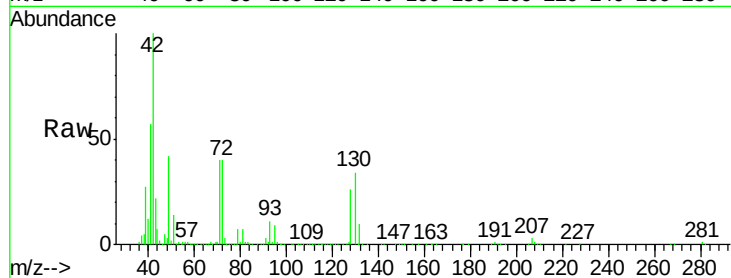
#29  
Tetrahydrofuran  
Concen: 257.205 ug/l  
RT: 7.53 min Scan# 923  
Delta R.T. 0.00 min  
Lab File: VW008403.D  
Acq: 24 Jan 2019 18:43

Instrument :  
MSVOA\_W  
ClientSampleId :  
ICVW012419

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 42   | Resp: | 254684 |
| Ion Ratio |      | Lower | Upper  |
| 42        | 100  |       |        |
| 72        | 41.2 | 31.9  | 47.9   |
| 71        | 38.8 | 29.9  | 44.9   |

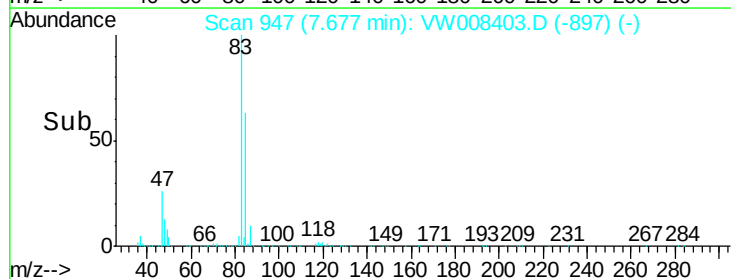
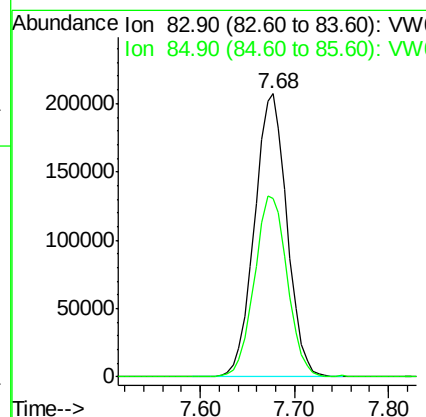
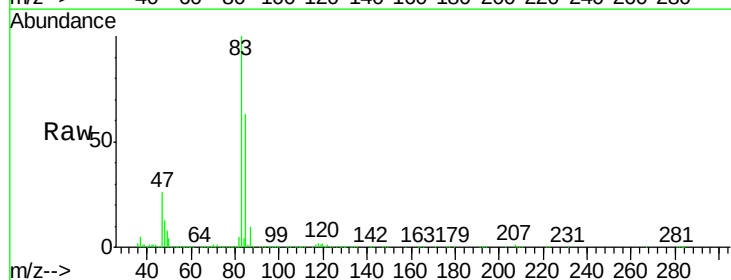
Manual Integrations  
APPROVED

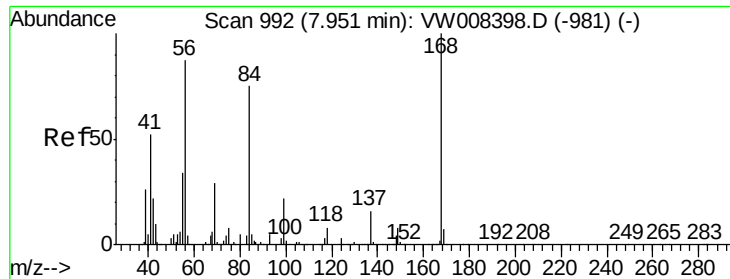
sam  
1/25/2019 1:43:14 PM



#30  
Chloroform  
Concen: 53.384 ug/l  
RT: 7.68 min Scan# 947  
Delta R.T. 0.01 min  
Lab File: VW008403.D  
Acq: 24 Jan 2019 18:43

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 83   | Resp: | 499253 |
| Ion Ratio |      | Lower | Upper  |
| 83        | 100  |       |        |
| 85        | 63.2 | 50.9  | 76.3   |





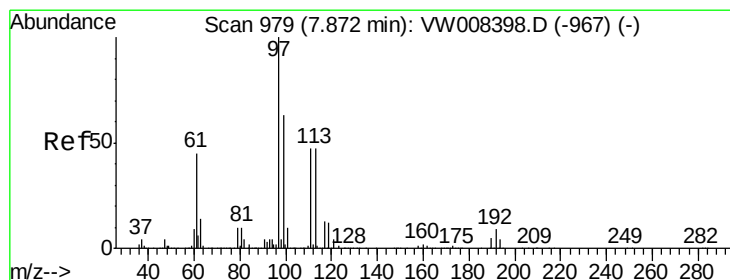
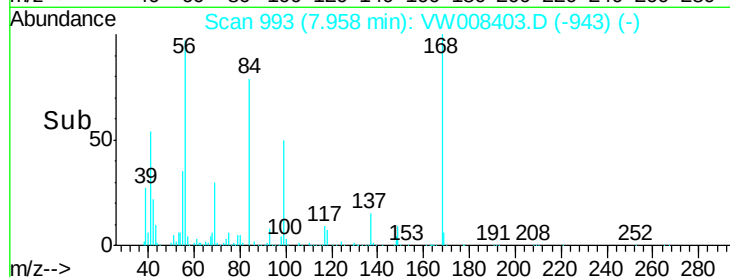
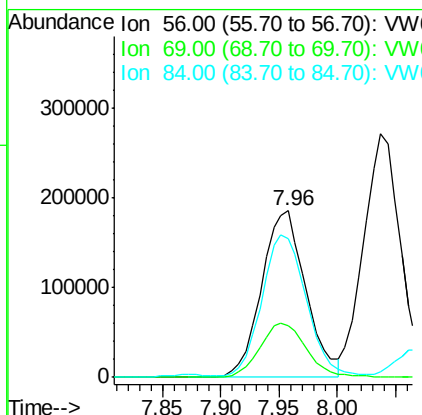
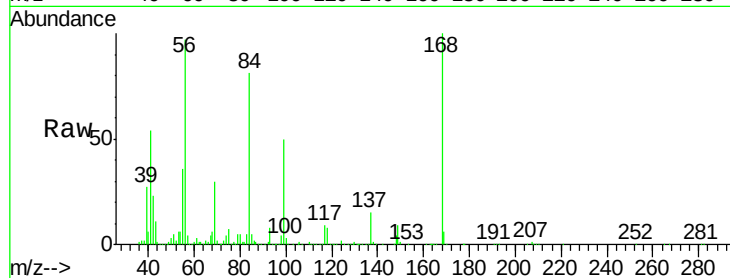
#31  
Cyclohexane  
Concen: 49.475 ug/l  
RT: 7.96 min Scan# 993  
Delta R.T. 0.01 min  
Lab File: VW008403.D  
Acq: 24 Jan 2019 18:43

Instrument :  
MSVOA\_W  
ClientSampleId :  
ICVW012419

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 31.0  | 26.4  | 39.6  |
| 84      | 81.8  | 69.1  | 103.7 |

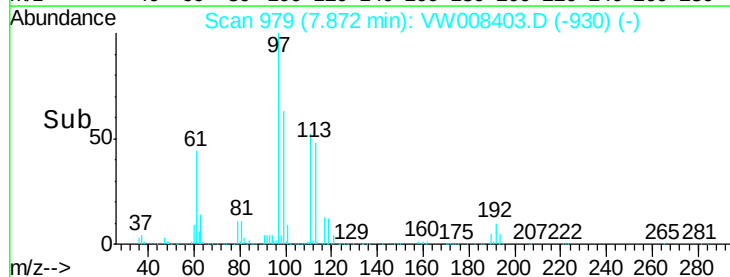
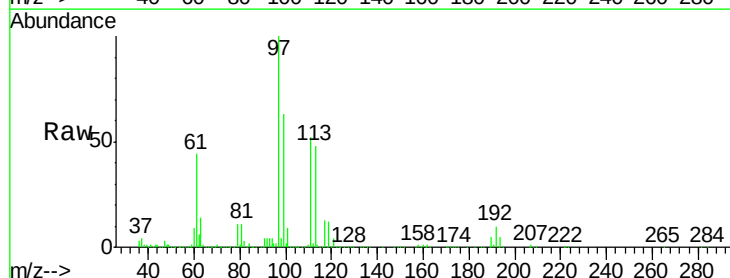
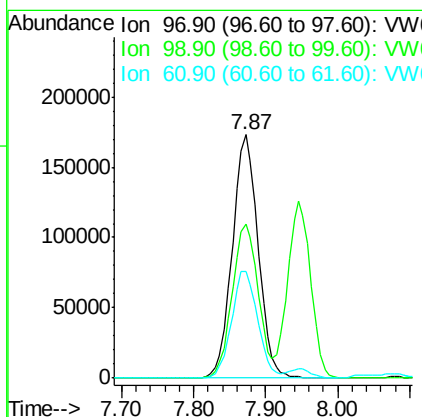
Manual Integrations  
APPROVED

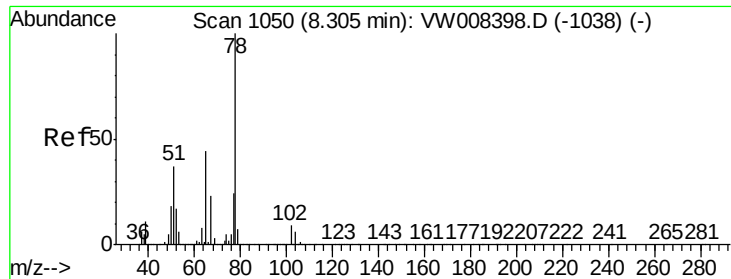
sam  
1/25/2019 1:43:14 PM



#32  
1,1,1-Trichloroethane  
Concen: 53.110 ug/l  
RT: 7.87 min Scan# 979  
Delta R.T. 0.00 min  
Lab File: VW008403.D  
Acq: 24 Jan 2019 18:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.1  | 51.3  | 76.9  |
| 61      | 44.8  | 36.2  | 54.4  |





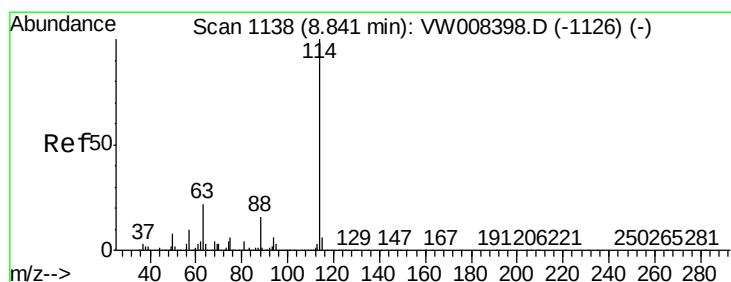
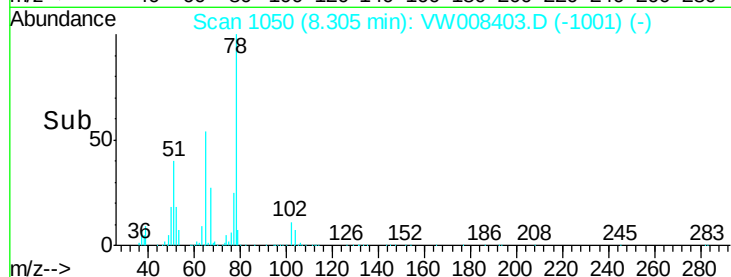
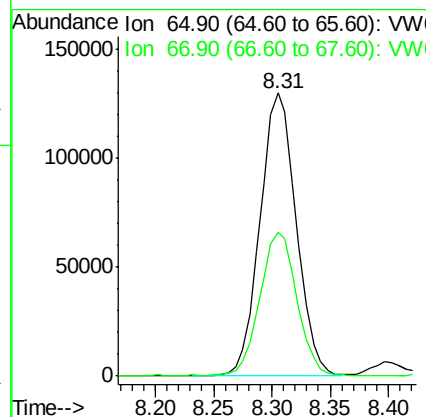
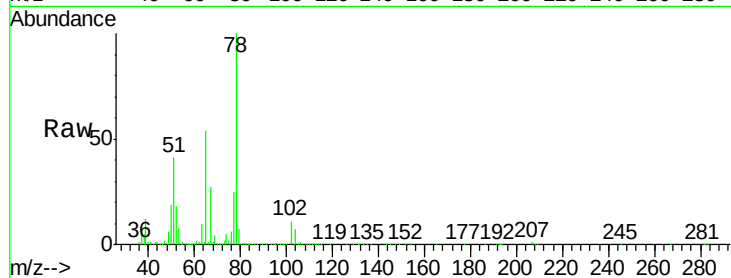
#33  
 1,2-Dichloroethane-d4  
 Concen: 56.123 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. 0.00 min  
 Lab File: VW008403.D  
 Acq: 24 Jan 2019 18:43

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 ICVVW012419

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 65      | 100   |      |       |       |
| 67      | 51.5  | 0.0  | 104.0 |       |

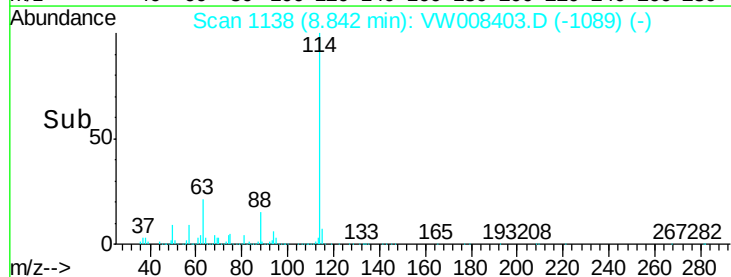
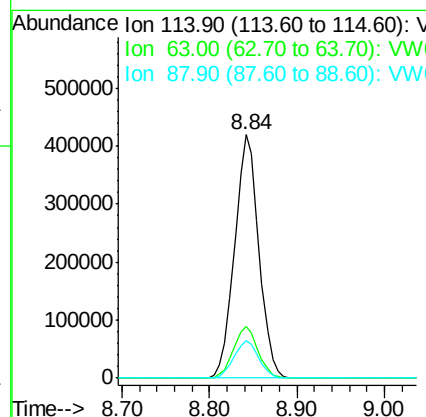
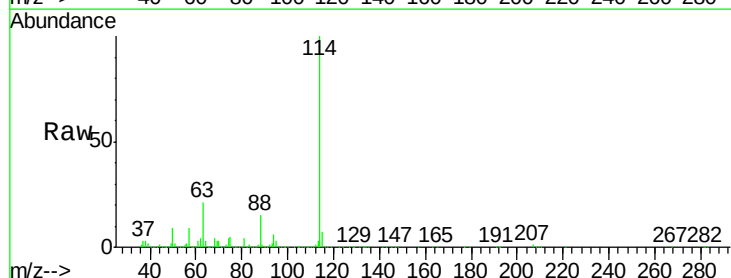
Manual Integrations  
 APPROVED

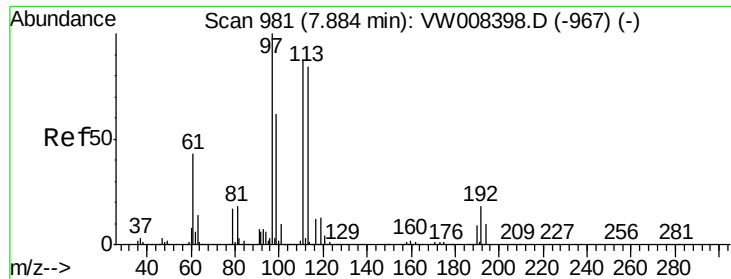
sam  
 1/25/2019 1:43:14 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: VW008403.D  
 Acq: 24 Jan 2019 18:43

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 114     | 100   |      |       |       |
| 63      | 21.1  | 0.0  | 43.6  |       |
| 88      | 15.5  | 0.0  | 31.8  |       |





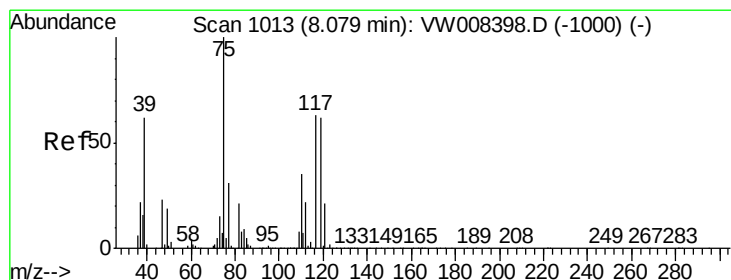
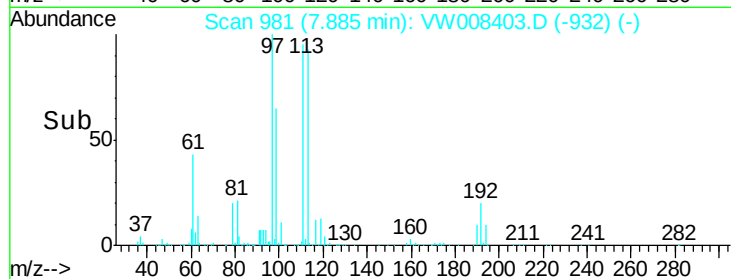
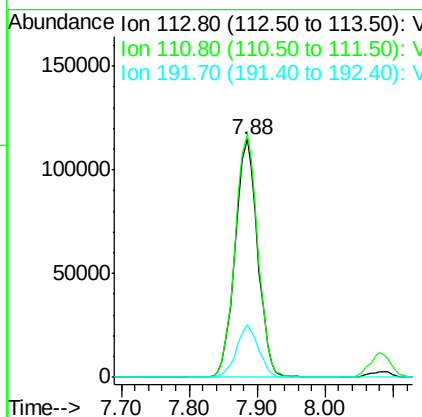
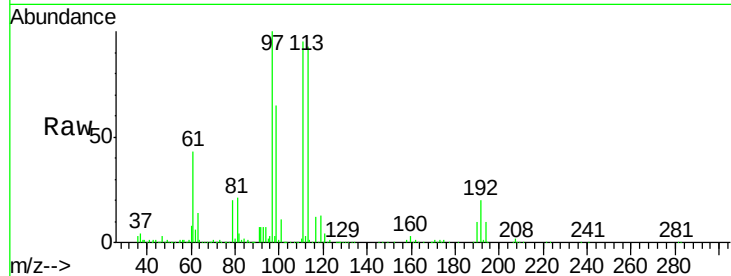
#35  
 Dibromofluoromethane  
 Concen: 56.018 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. 0.00 min  
 Lab File: VW008403.D  
 Acq: 24 Jan 2019 18:43

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 ICVVW012419

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.2 | 81.0  | 121.4 |
| 192     | 21.4  | 16.8  | 25.2  |

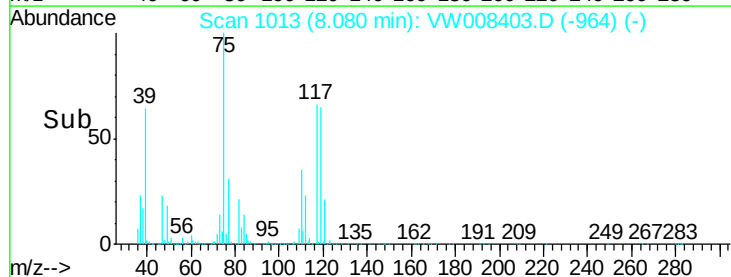
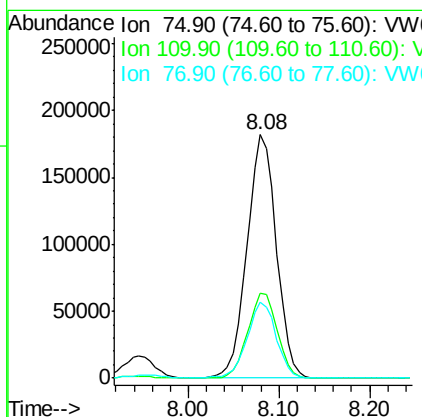
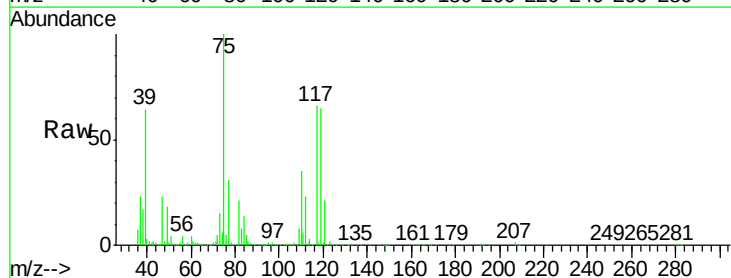
Manual Integrations  
 APPROVED

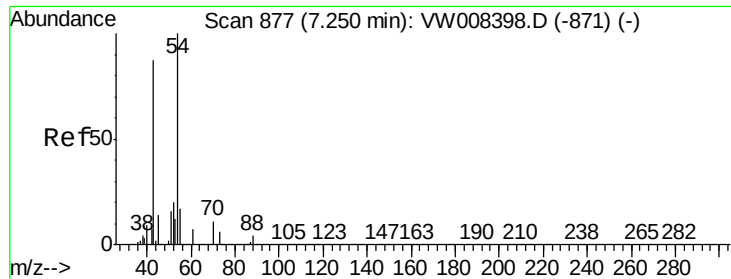
sam  
 1/25/2019 1:43:14 PM



#36  
 1,1-Dichloropropene  
 Concen: 53.200 ug/l  
 RT: 8.08 min Scan# 1013  
 Delta R.T. 0.00 min  
 Lab File: VW008403.D  
 Acq: 24 Jan 2019 18:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 35.4  | 17.3  | 52.0  |
| 77      | 31.0  | 24.7  | 37.1  |





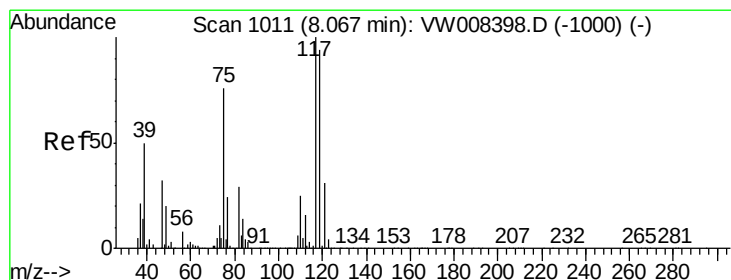
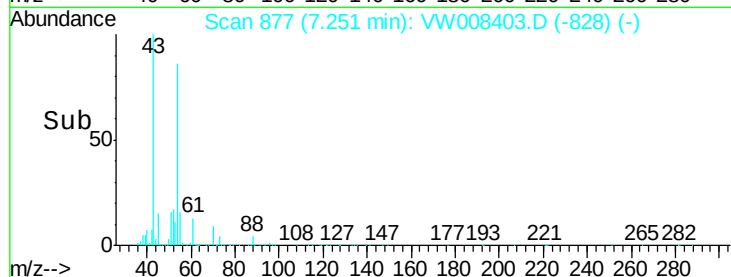
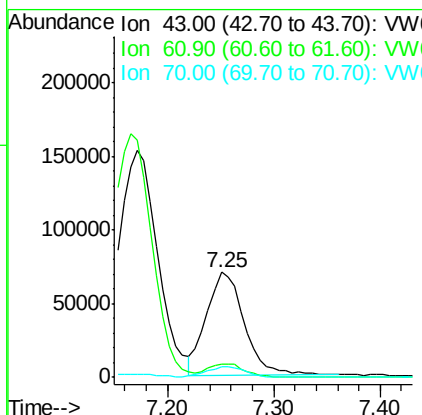
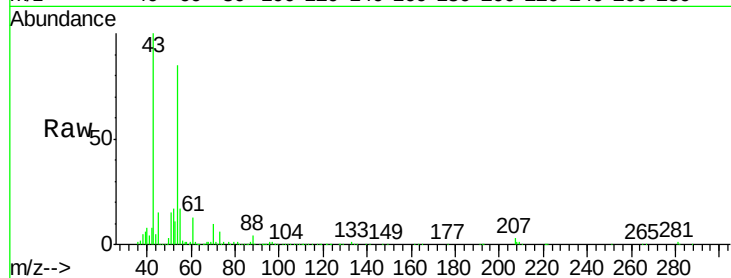
#37  
Ethyl Acetate  
Concen: 50.595 ug/l  
RT: 7.25 min Scan# 877  
Delta R.T. 0.00 min  
Lab File: VW008403.D  
Acq: 24 Jan 2019 18:43

Instrument :  
MSVOA\_W  
ClientSampleId :  
ICVW012419

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 12.7  | 10.1  | 15.1  |
| 70      | 10.0  | 7.8   | 11.6  |

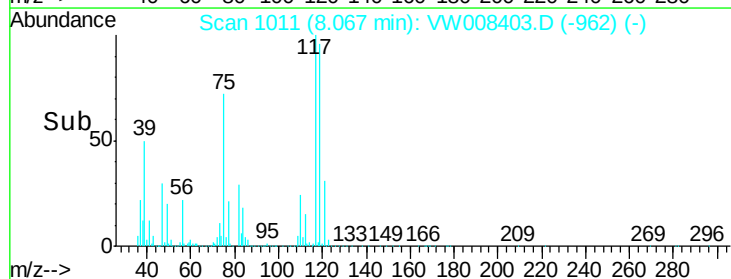
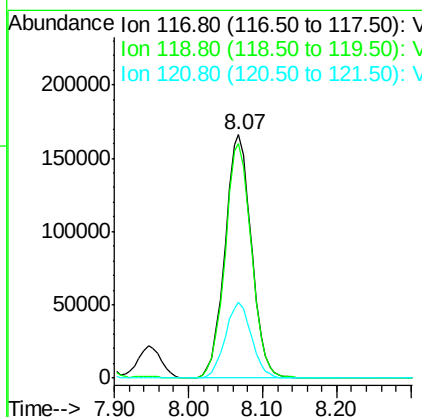
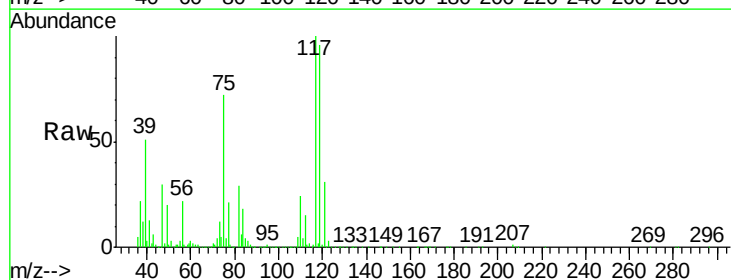
Manual Integrations  
APPROVED

sam  
1/25/2019 1:43:14 PM

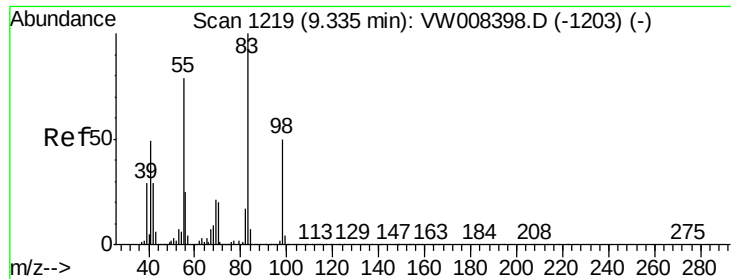


#38  
Carbon Tetrachloride  
Concen: 53.561 ug/l  
RT: 8.07 min Scan# 1011  
Delta R.T. 0.00 min  
Lab File: VW008403.D  
Acq: 24 Jan 2019 18:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.4  | 75.0  | 112.4 |
| 121     | 31.1  | 24.9  | 37.3  |







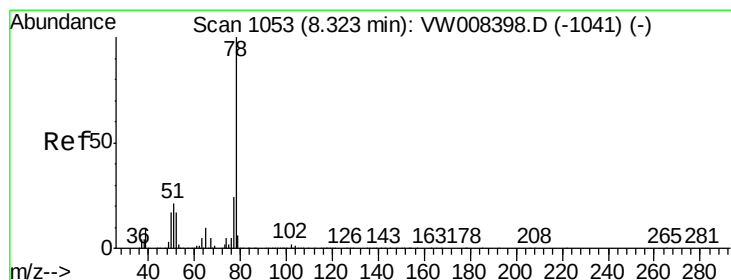
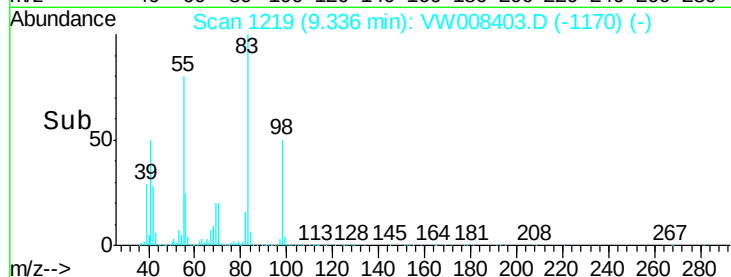
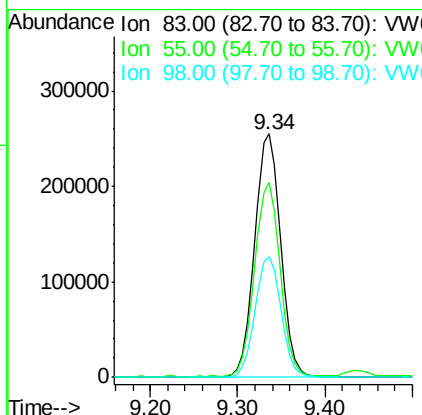
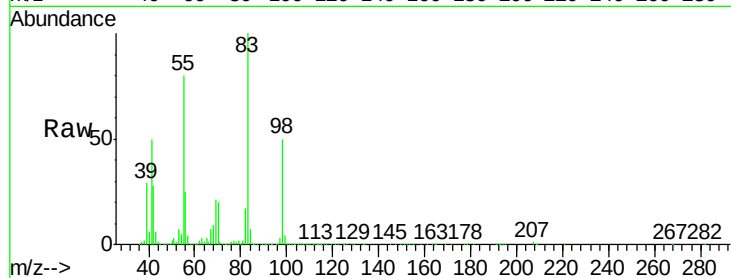
#39  
Methylvlcyclohexane  
Concen: 52.612 ug/l  
RT: 9.34 min Scan# 1219  
Delta R.T. 0.00 min  
Lab File: VW008403.D  
Acq: 24 Jan 2019 18:43

Instrument :  
MSVOA\_W  
ClientSampleId :  
ICVW012419

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 79.6  | 63.3  | 94.9  |
| 98      | 49.6  | 39.7  | 59.5  |

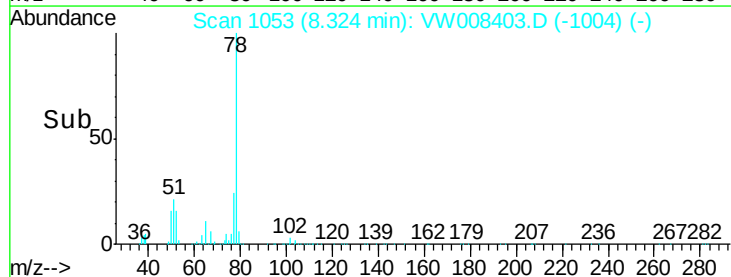
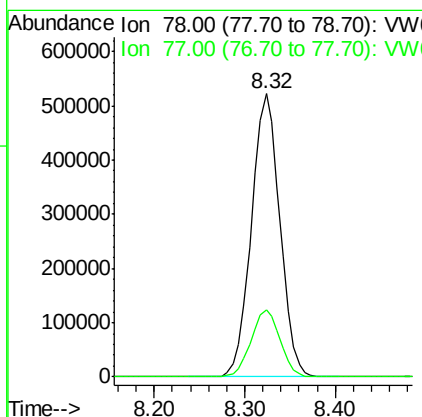
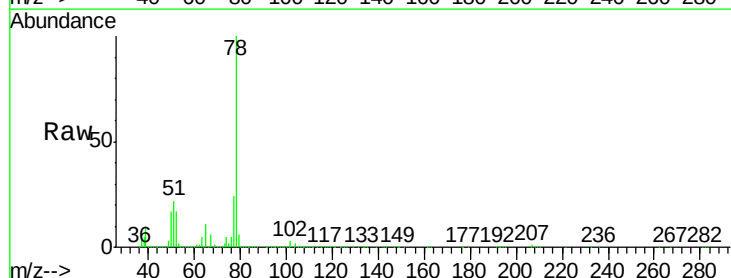
Manual Integrations  
APPROVED

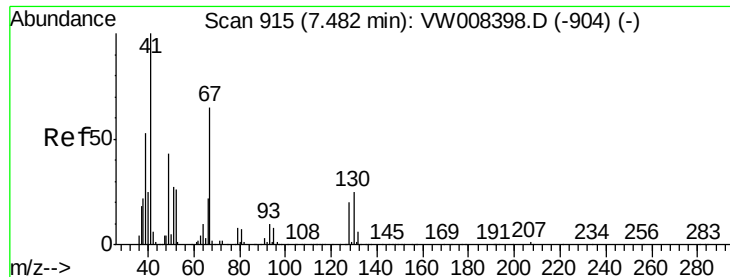
sam  
1/25/2019 1:43:14 PM



#40  
Benzene  
Concen: 53.535 ug/l  
RT: 8.32 min Scan# 1053  
Delta R.T. 0.00 min  
Lab File: VW008403.D  
Acq: 24 Jan 2019 18:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.8  | 19.0  | 28.6  |





#41

Methacrylonitrile

Concen: 52.136 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW008403.D

Acq: 24 Jan 2019 18:43

Instrument :

MSVOA\_W

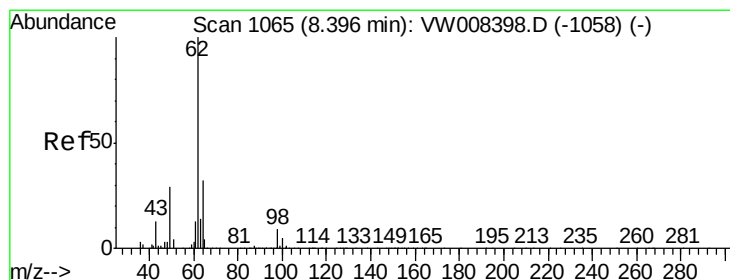
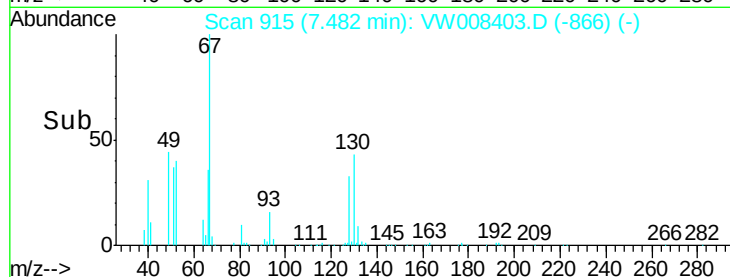
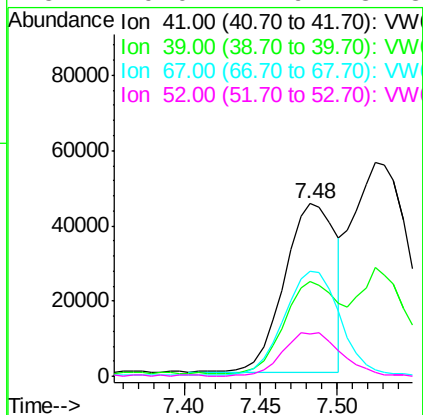
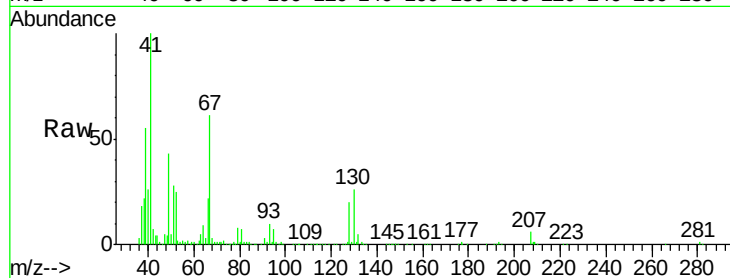
ClientSampleId :

ICVW012419

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 41      | 100  |       | 104116 |       |       |
| 39      | 60.2 | 43.4  | 65.0   |       |       |
| 67      | 67.3 | 54.2  | 81.2   |       |       |
| 52      | 29.0 | 22.9  | 34.3   |       |       |

Manual Integrations  
APPROVED

sam  
1/25/2019 1:43:14 PM



#42

1,2-Dichloroethane

Concen: 53.224 ug/l

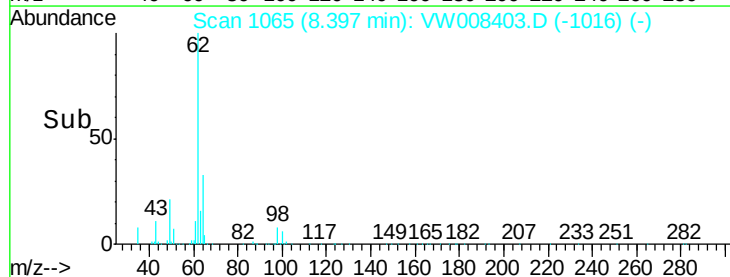
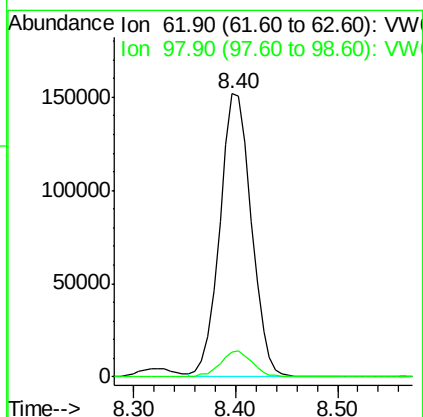
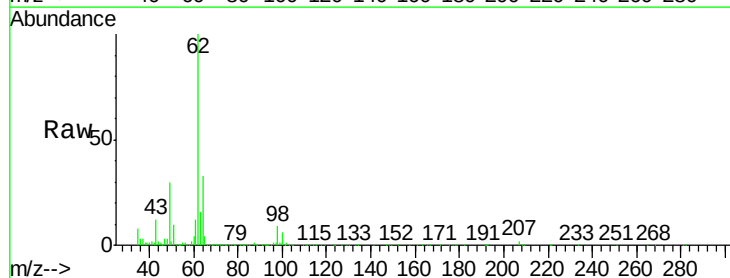
RT: 8.40 min Scan# 1065

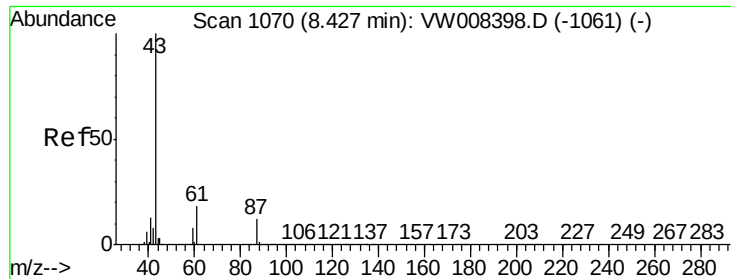
Delta R.T. 0.00 min

Lab File: VW008403.D

Acq: 24 Jan 2019 18:43

| Tgt Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 62      | 100 |       | 326272 |       |       |
| 98      | 9.0 | 0.0   | 18.6   |       |       |





#43

Isopropyl Acetate

Concen: 52.177 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW008403.D

Acq: 24 Jan 2019 18:43

Instrument :

MSVOA\_W

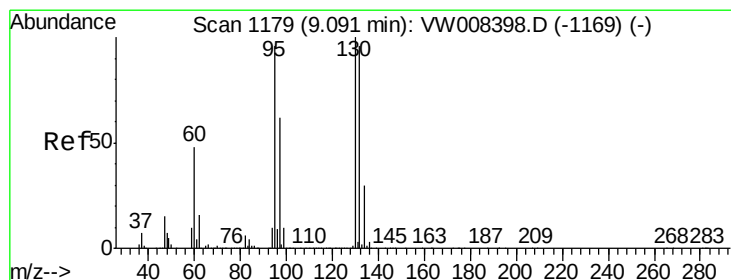
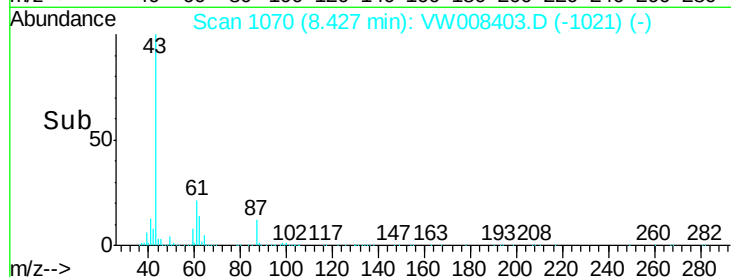
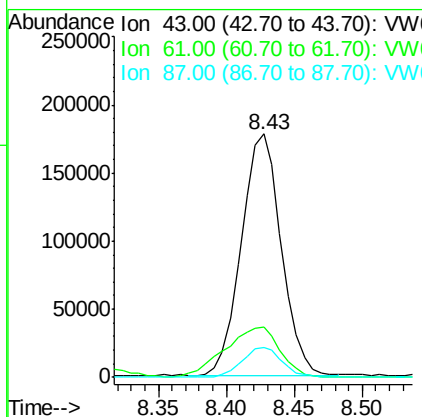
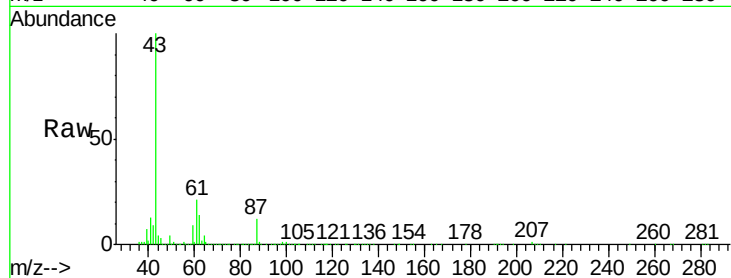
ClientSampleId :

ICVW012419

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 365600 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 28.3  | 22.0  | 33.0   |
| 87       | 12.3  | 9.3   | 13.9   |

Manual Integrations  
APPROVED

sam  
1/25/2019 1:43:14 PM



#44

Trichloroethene

Concen: 53.629 ug/l

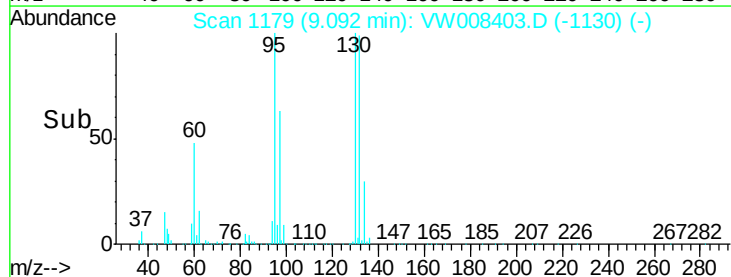
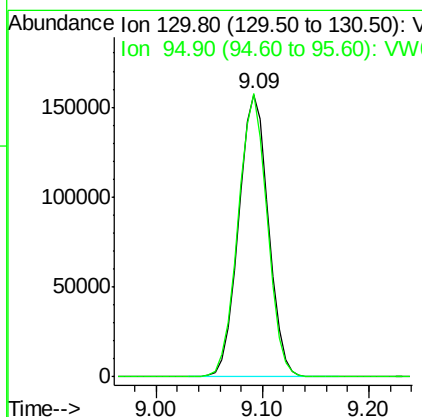
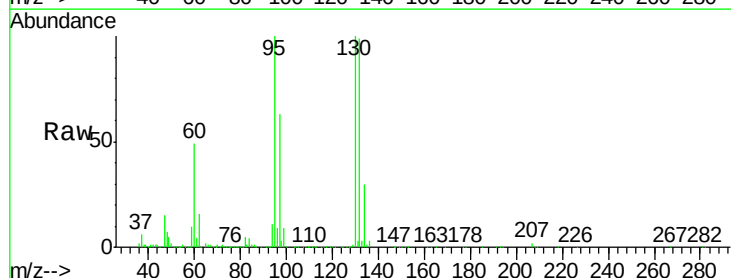
RT: 9.09 min Scan# 1179

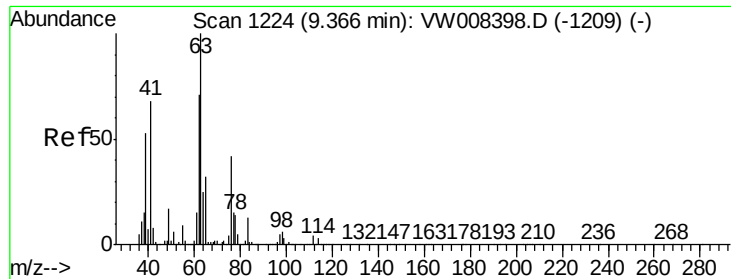
Delta R.T. 0.00 min

Lab File: VW008403.D

Acq: 24 Jan 2019 18:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 308491 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 100.0 | 0.0   | 191.6  |





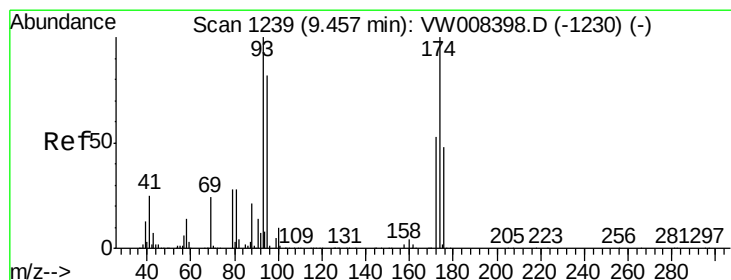
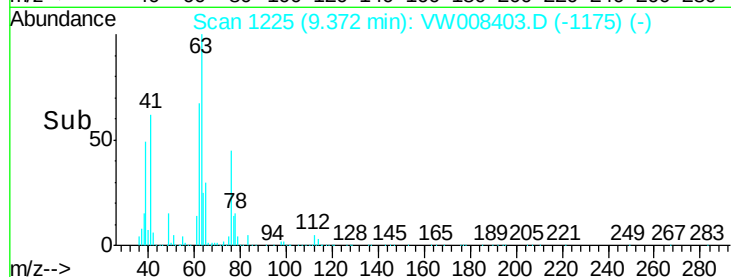
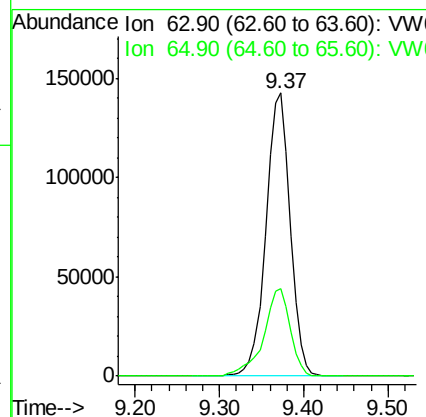
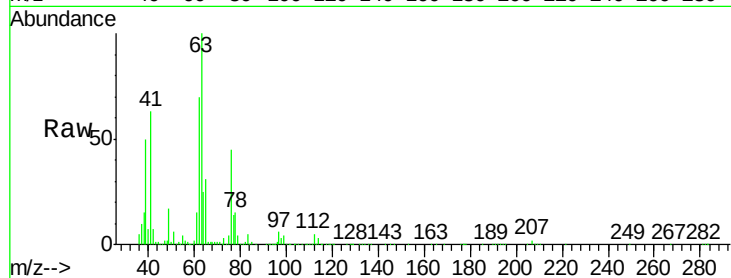
#45  
 1,2-Dichloropropane  
 Concen: 53.560 ug/l  
 RT: 9.37 min Scan# 1225  
 Delta R.T. 0.01 min  
 Lab File: VW008403.D  
 Acq: 24 Jan 2019 18:43

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 ICVVW012419

Tot Ion: 63 Resp: 282494  
 Ion Ratio Lower Upper  
 63 100  
 65 30.8 25.2 37.8

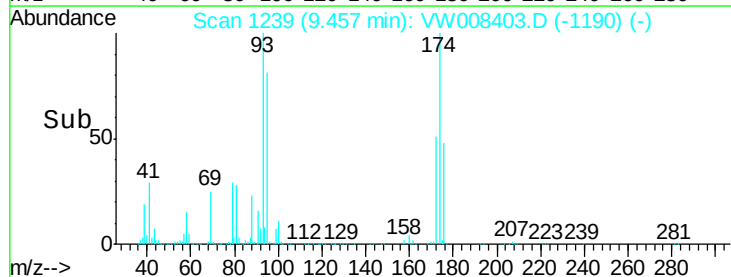
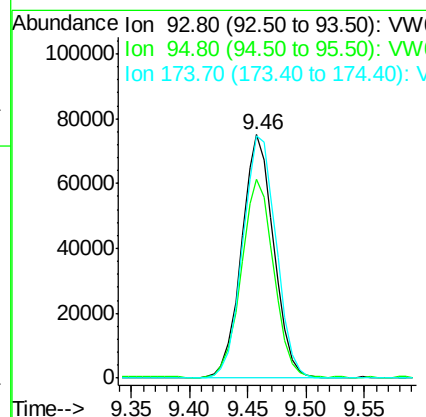
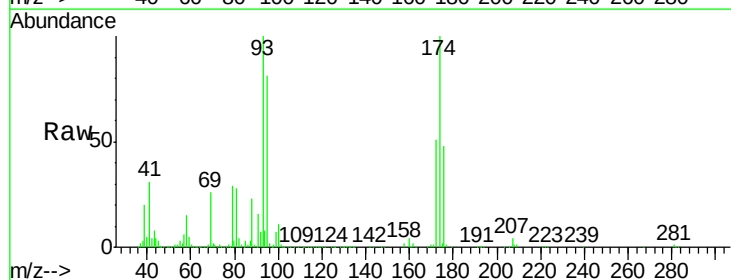
Manual Integrations  
 APPROVED

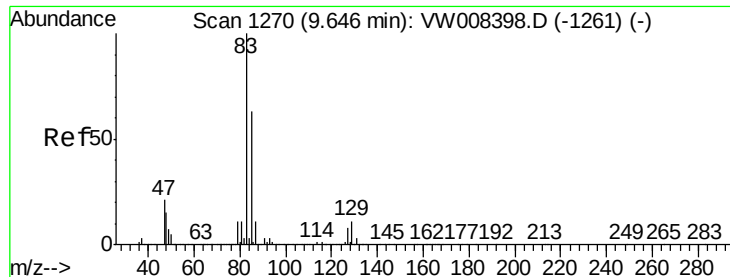
sam  
 1/25/2019 1:43:14 PM



#46  
 Dibromomethane  
 Concen: 52.874 ug/l  
 RT: 9.46 min Scan# 1239  
 Delta R.T. 0.00 min  
 Lab File: VW008403.D  
 Acq: 24 Jan 2019 18:43

Tgt Ion: 93 Resp: 143435  
 Ion Ratio Lower Upper  
 93 100  
 95 82.2 65.9 98.9  
 174 103.9 81.0 121.6





#47

Bromodichloromethane

Concen: 53.391 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW008403.D

Acq: 24 Jan 2019 18:43

Instrument :

MSVOA\_W

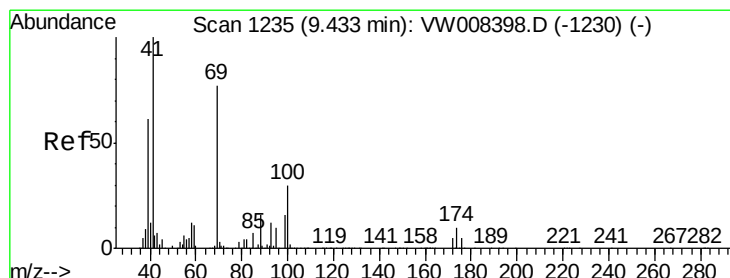
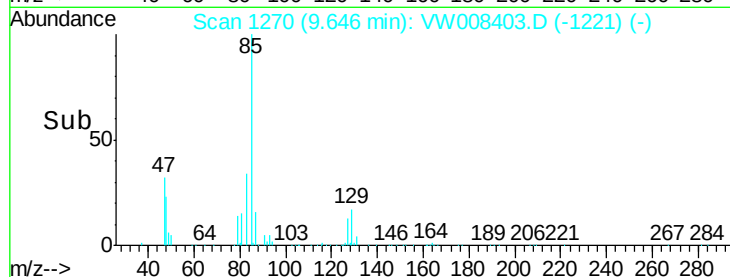
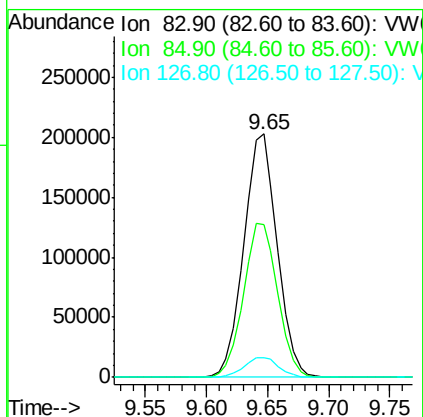
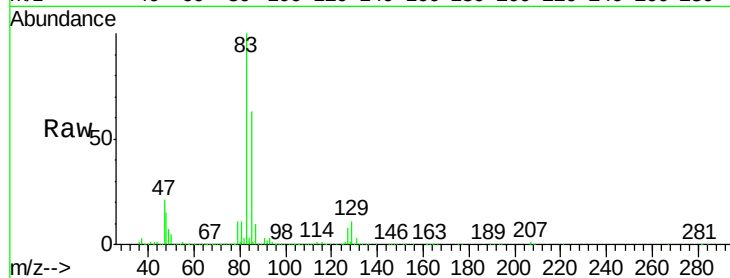
ClientSampled :

ICVW012419

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 383095 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 62.7  | 50.8  | 76.2   |
| 127       | 8.2   | 6.8   | 10.2   |

Manual Integrations  
APPROVED

sam  
1/25/2019 1:43:14 PM



#48

Methyl methacrylate

Concen: 50.970 ug/l

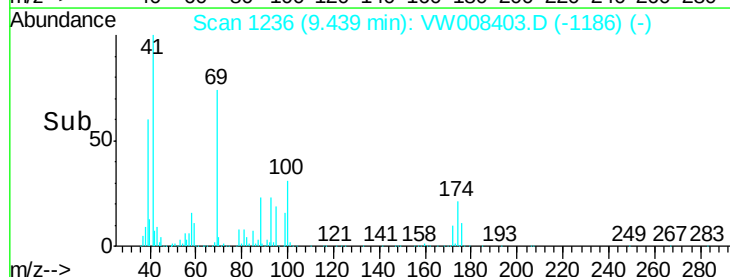
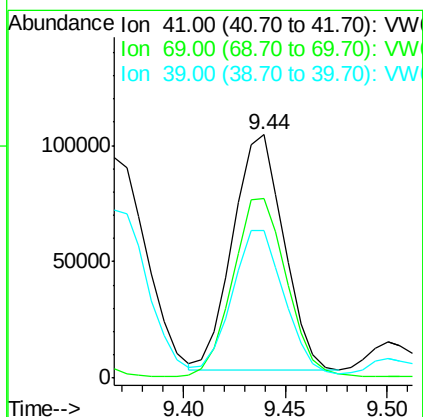
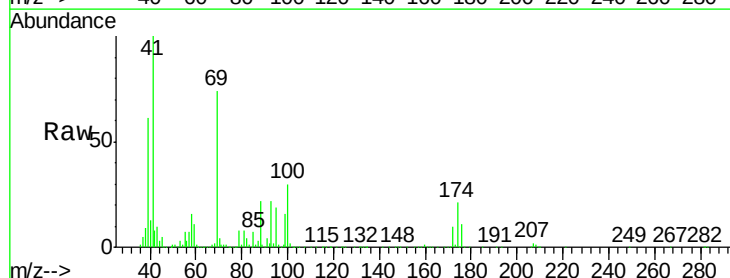
RT: 9.44 min Scan# 1236

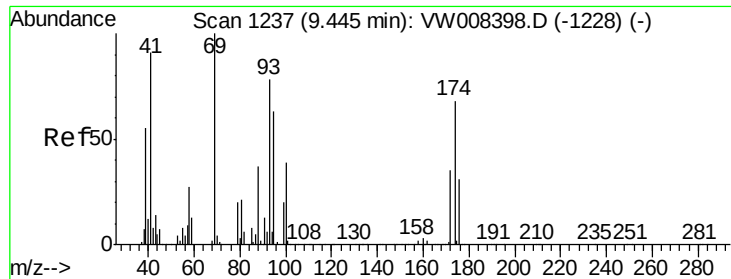
Delta R.T. 0.01 min

Lab File: VW008403.D

Acq: 24 Jan 2019 18:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 174628 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 80.5  | 64.8  | 97.2   |
| 39        | 65.4  | 49.1  | 73.7   |





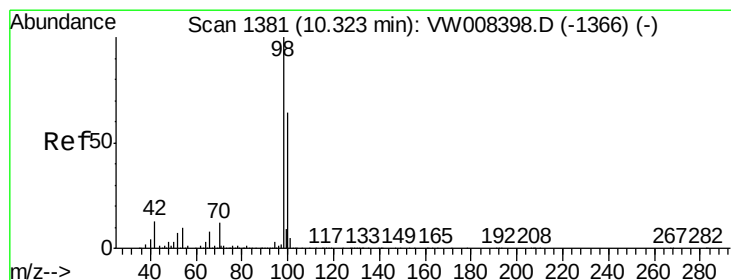
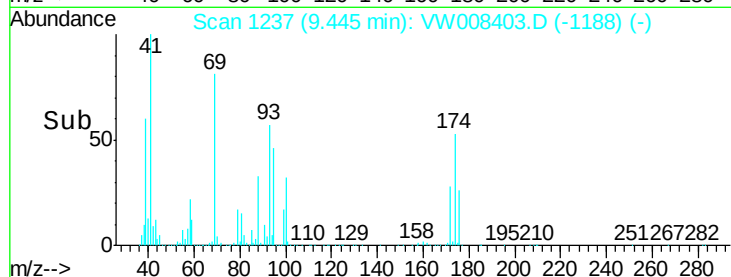
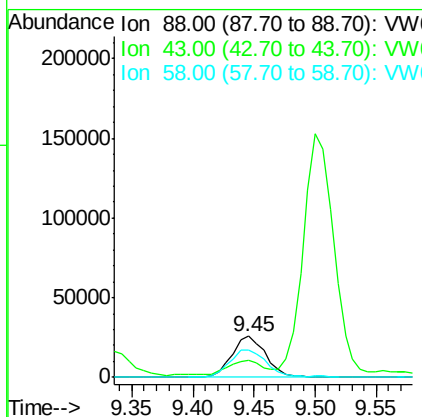
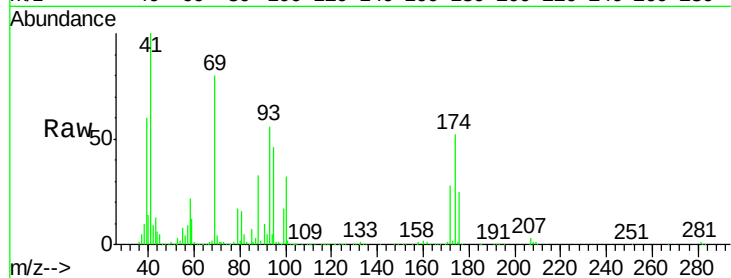
#49  
1,4-Dioxane  
Concen: 1078.288 ug/l  
RT: 9.45 min Scan# 1237  
Delta R.T. 0.00 min  
Lab File: VW008403.D  
Acq: 24 Jan 2019 18:43

Instrument :  
MSVOA\_W  
ClientSampleId :  
ICVW012419

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 36.4  | 29.0  | 43.4  |
| 58      | 72.6  | 56.4  | 84.6  |

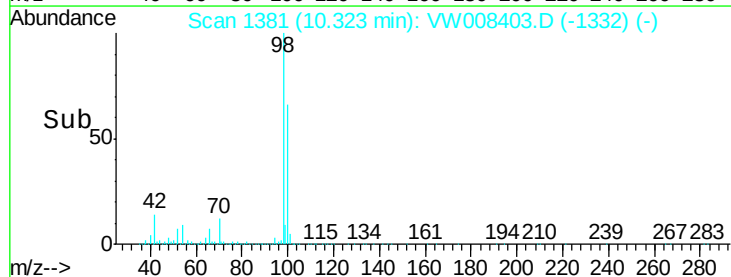
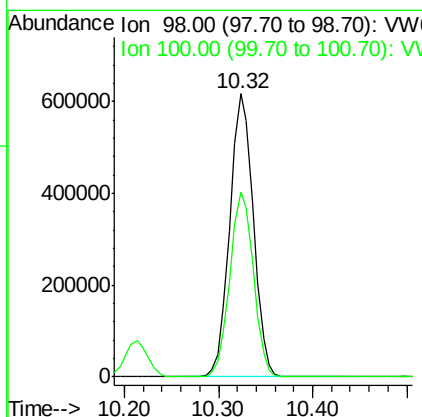
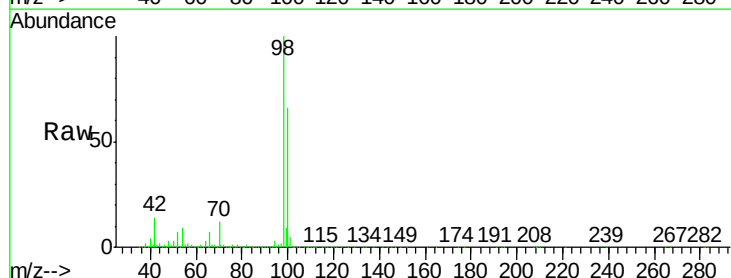
Manual Integrations  
APPROVED

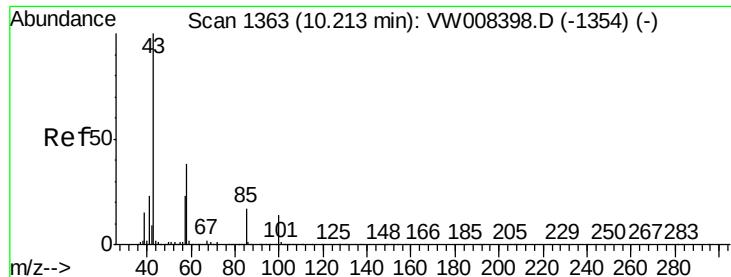
sam  
1/25/2019 1:43:14 PM



#50  
Toluene-d8  
Concen: 56.539 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. 0.00 min  
Lab File: VW008403.D  
Acq: 24 Jan 2019 18:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 65.4  | 52.6  | 78.8  |





#51

4-Methyl-2-Pentanone

Concen: 257.683 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW008403.D

Acq: 24 Jan 2019 18:43

Instrument :

MSVOA\_W

ClientSampleId :

ICVW012419

Tot Ion: 43 Resp: 891998

Ion Ratio Lower Upper

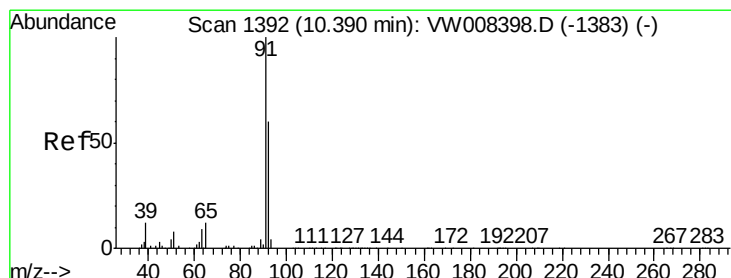
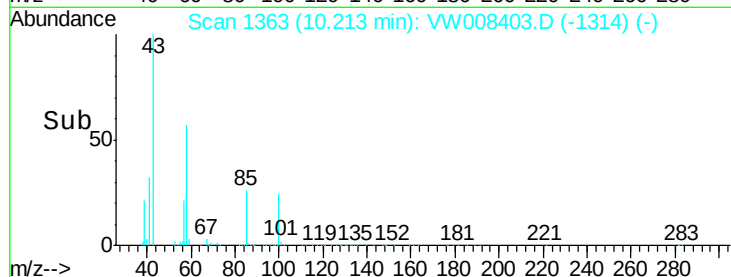
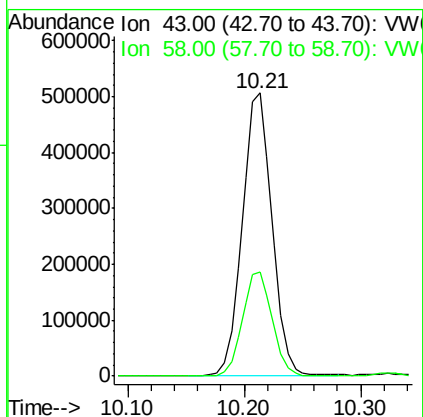
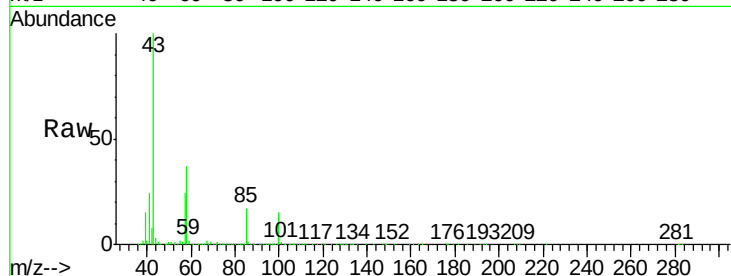
43 100

58 37.2 29.7 44.5

Manual Integrations  
APPROVED

sam

1/25/2019 1:43:14 PM



#52

Toluene

Concen: 52.854 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008403.D

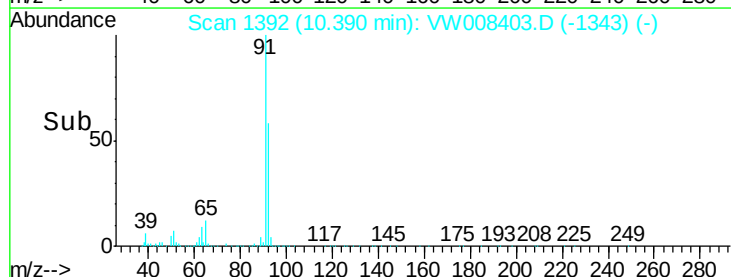
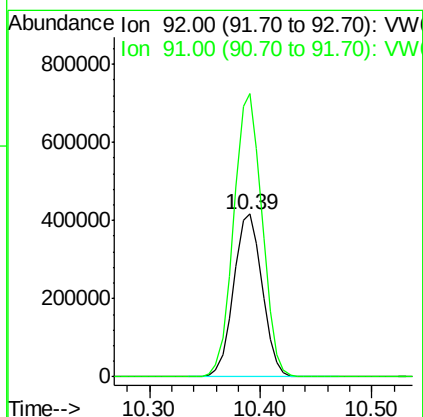
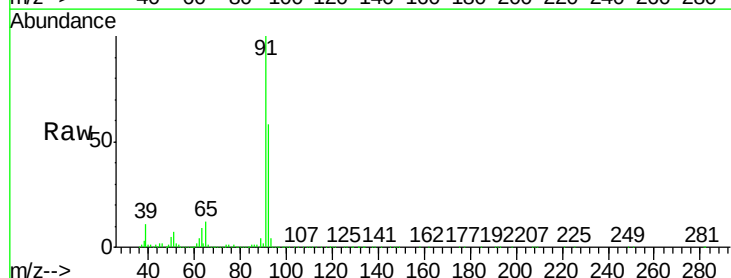
Acq: 24 Jan 2019 18:43

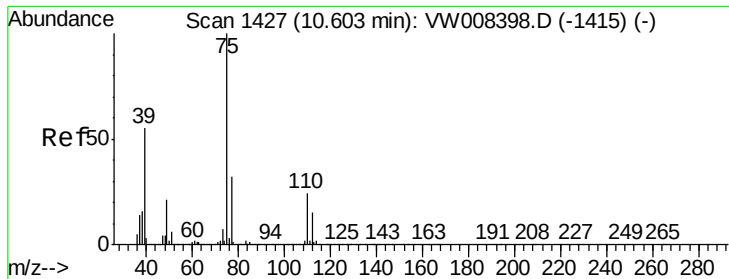
Tgt Ion: 92 Resp: 738027

Ion Ratio Lower Upper

92 100

91 172.6 135.5 203.3





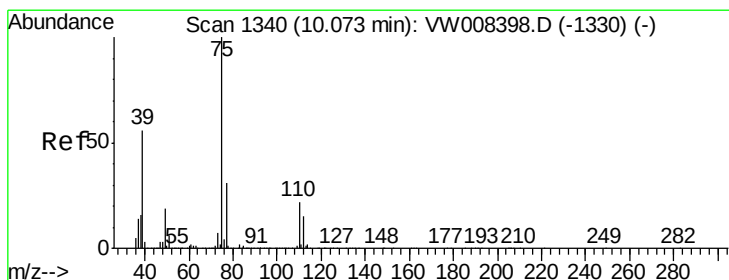
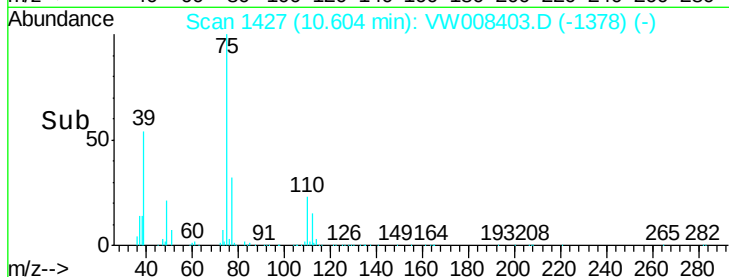
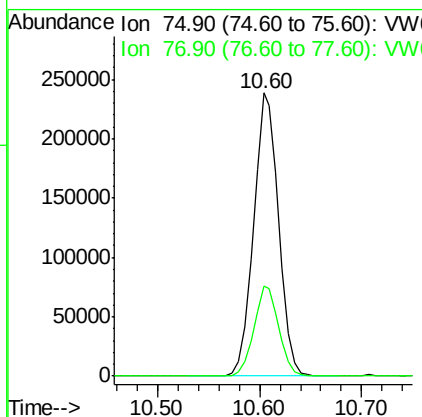
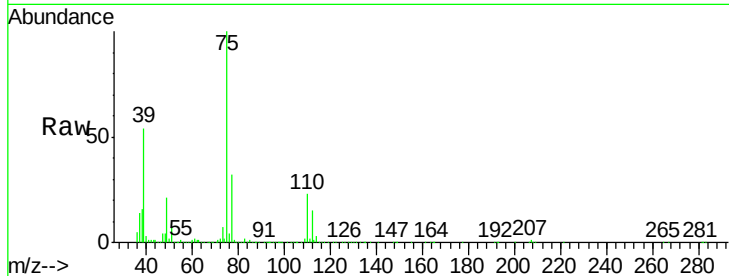
#53  
 t-1,3-Dichloropropene  
 Concen: 53.140 ug/l  
 RT: 10.60 min Scan# 1427  
 Delta R.T. 0.00 min  
 Lab File: VW008403.D  
 Acq: 24 Jan 2019 18:43

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 ICVVW012419

Tot Ion: 75 Resp: 405729  
 Ion Ratio Lower Upper  
 75 100  
 77 31.7 25.3 37.9

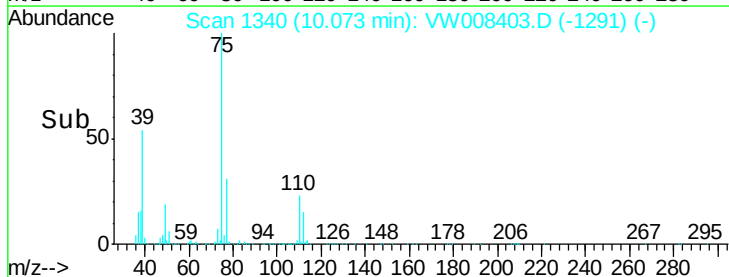
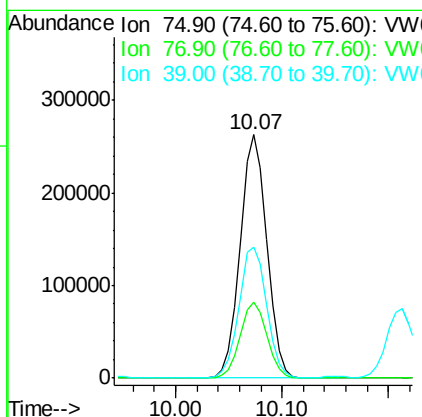
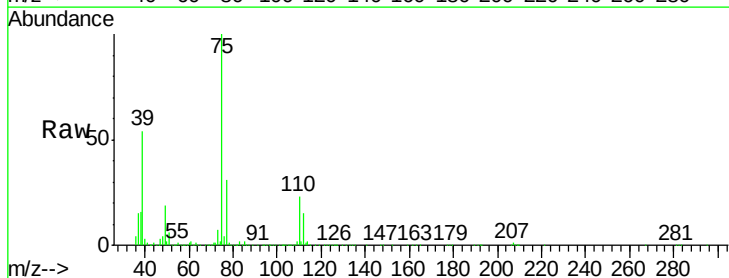
Manual Integrations  
 APPROVED

sam  
 1/25/2019 1:43:14 PM

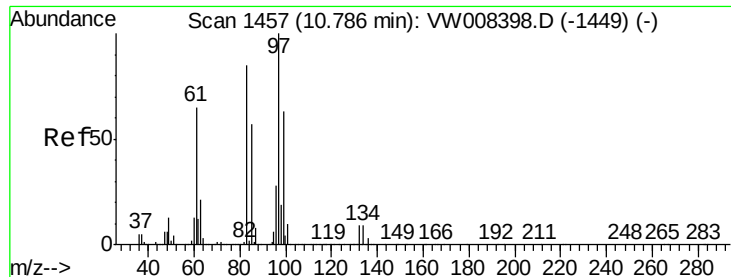


#54  
 cis-1,3-Dichloropropene  
 Concen: 53.305 ug/l  
 RT: 10.07 min Scan# 1340  
 Delta R.T. 0.00 min  
 Lab File: VW008403.D  
 Acq: 24 Jan 2019 18:43

Tgt Ion: 75 Resp: 461871  
 Ion Ratio Lower Upper  
 75 100  
 77 31.0 25.0 37.4  
 39 53.7 44.9 67.3







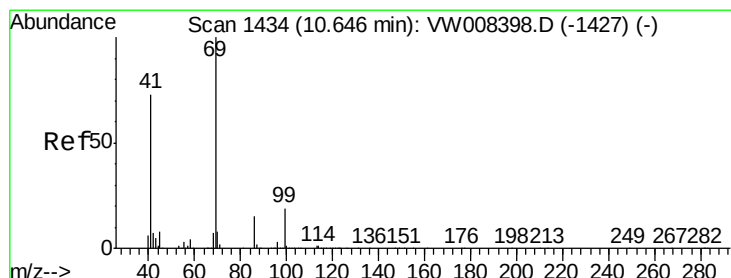
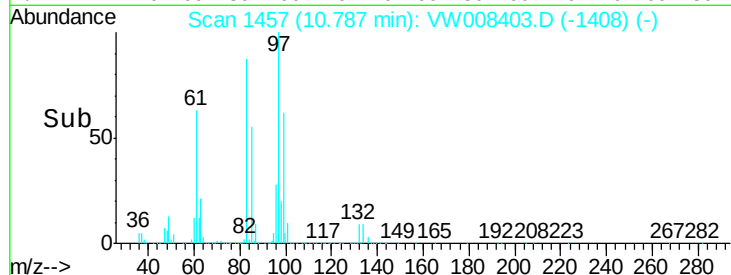
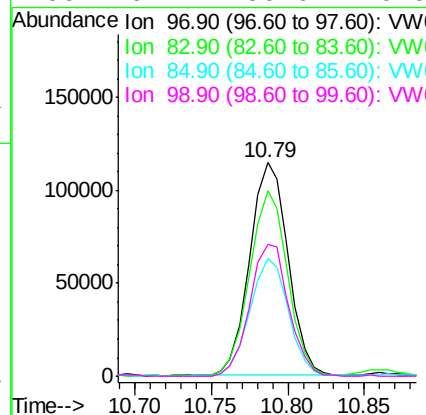
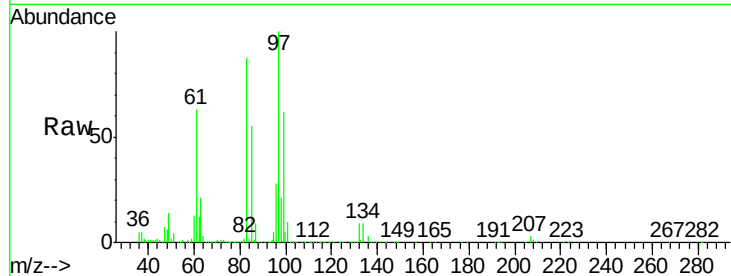
#55  
 1,1,2-Trichloroethane  
 Concen: 53.176 ug/l  
 RT: 10.79 min Scan# 1457  
 Delta R.T. 0.00 min  
 Lab File: VW008403.D  
 Acq: 24 Jan 2019 18:43

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 ICVVW012419

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 200090 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 86.8  | 68.4  | 102.6  |
| 85       | 55.0  | 45.3  | 67.9   |
| 99       | 61.7  | 50.6  | 76.0   |

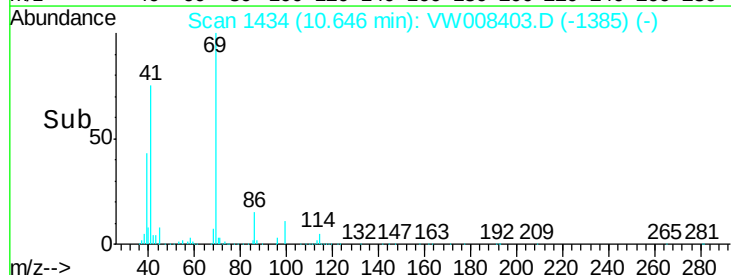
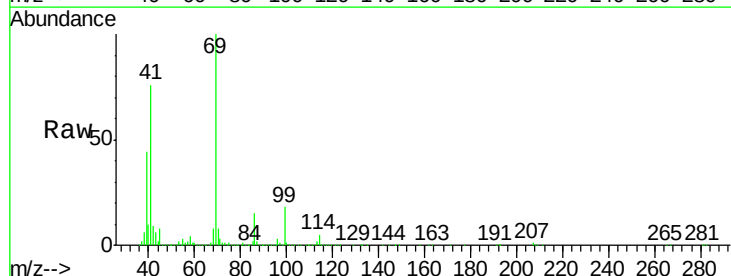
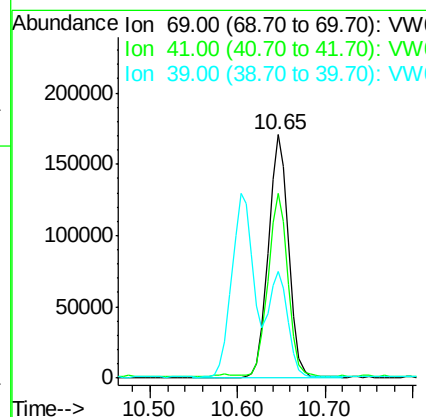
Manual Integrations  
 APPROVED

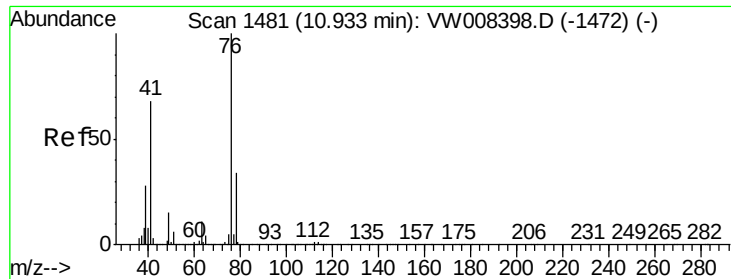
sam  
 1/25/2019 1:43:14 PM



#56  
 Ethyl methacrylate  
 Concen: 52.213 ug/l  
 RT: 10.65 min Scan# 1434  
 Delta R.T. 0.00 min  
 Lab File: VW008403.D  
 Acq: 24 Jan 2019 18:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 275291 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 73.5  | 58.7  | 88.1   |
| 39       | 41.0  | 32.6  | 48.8   |





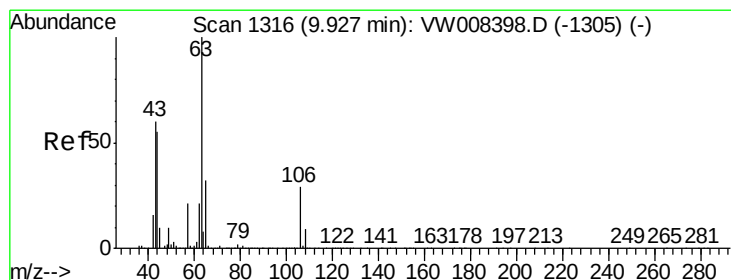
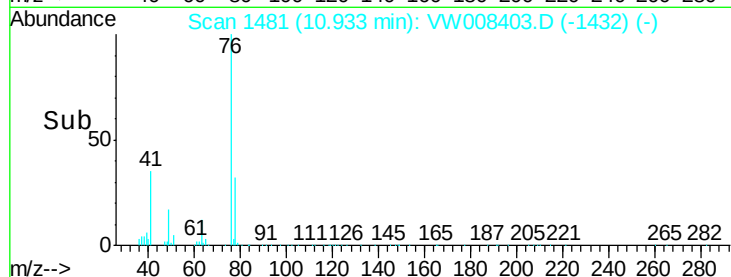
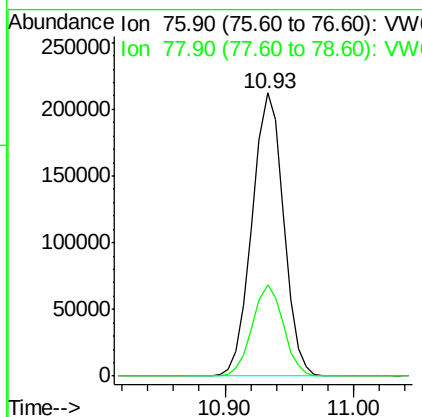
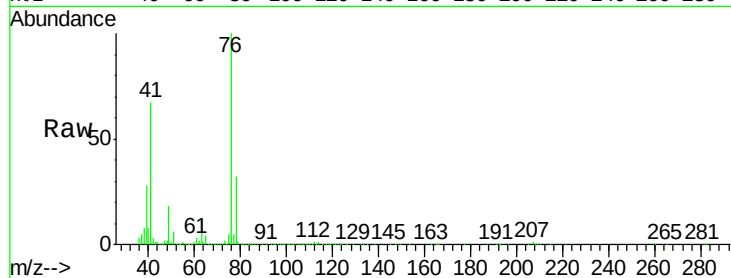
#57  
 1,3-Dichloropropane  
 Concen: 52.871 ug/l  
 RT: 10.93 min Scan# 1481  
 Delta R.T. 0.00 min  
 Lab File: VW008403.D  
 Acq: 24 Jan 2019 18:43

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 ICVVW012419

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 31.9  | 25.8  | 38.8  |

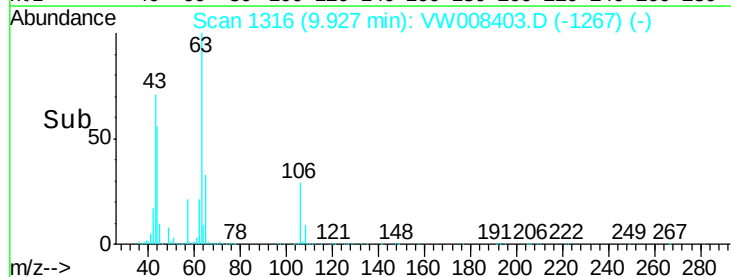
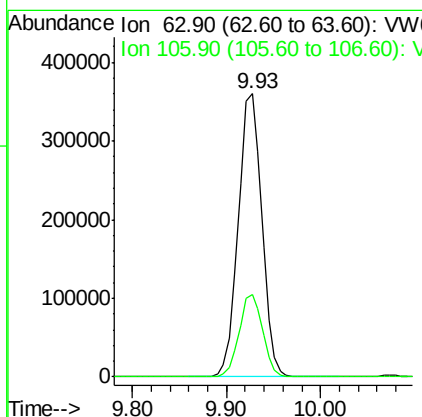
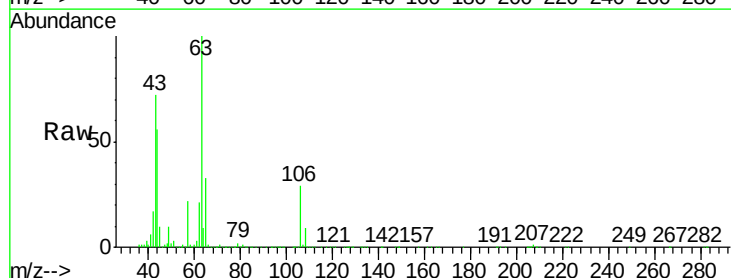
Manual Integrations  
 APPROVED

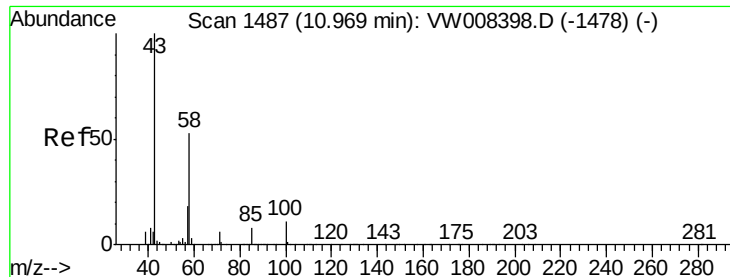
Sam  
 1/25/2019 1:43:14 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 245.249 ug/l  
 RT: 9.93 min Scan# 1316  
 Delta R.T. 0.00 min  
 Lab File: VW008403.D  
 Acq: 24 Jan 2019 18:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 29.1  | 22.4  | 33.6  |





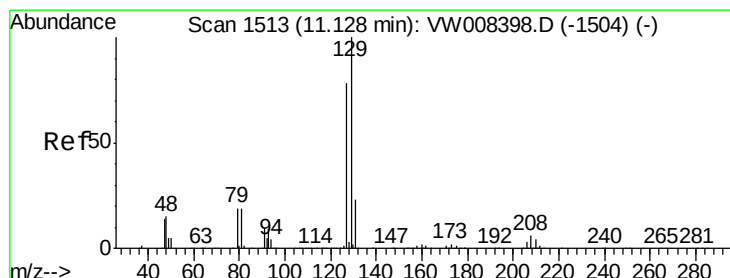
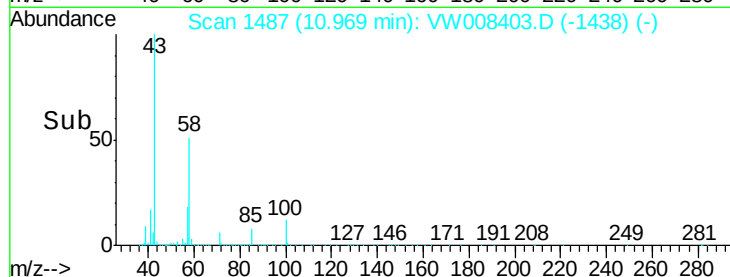
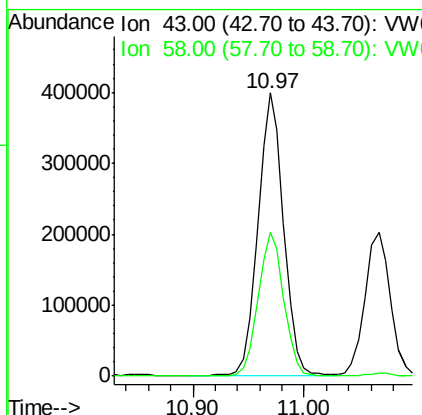
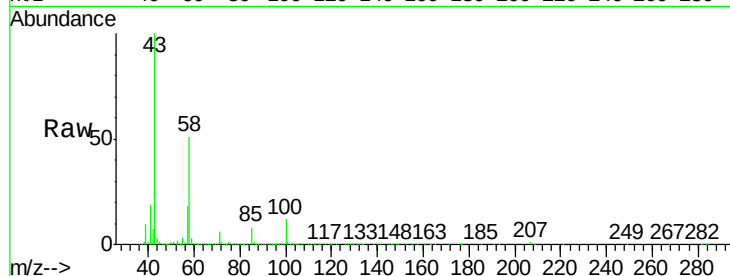
#59  
2-Hexanone  
Concen: 259.001 ug/l  
RT: 10.97 min Scan# 1487  
Delta R.T. 0.00 min  
Lab File: VW008403.D  
Acq: 24 Jan 2019 18:43

Instrument :  
MSVOA\_W  
ClientSampleId :  
ICVW012419

Tot Ion: 43 Resp: 632935  
Ion Ratio Lower Upper  
43 100  
58 51.1 25.9 77.7

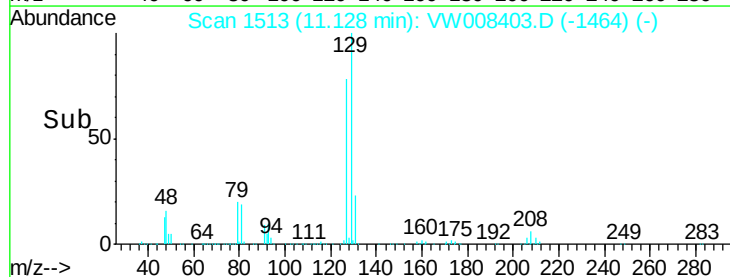
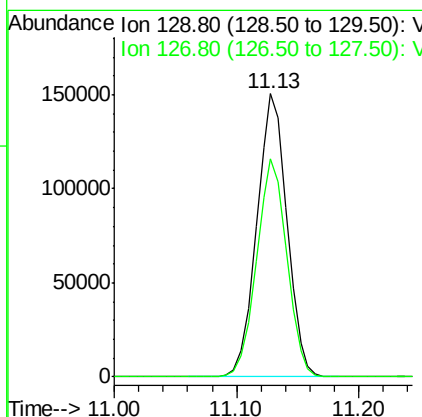
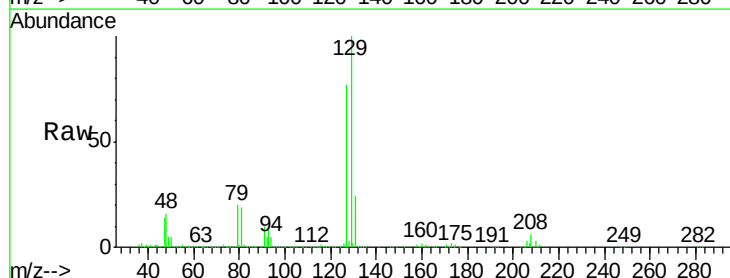
Manual Integrations  
APPROVED

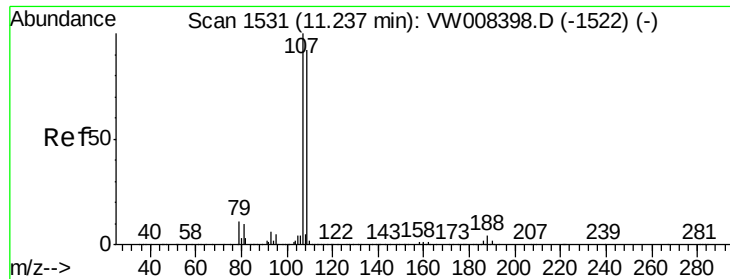
sam  
1/25/2019 1:43:14 PM



#60  
Dibromochloromethane  
Concen: 53.470 ug/l  
RT: 11.13 min Scan# 1513  
Delta R.T. 0.00 min  
Lab File: VW008403.D  
Acq: 24 Jan 2019 18:43

Tgt Ion: 129 Resp: 258553  
Ion Ratio Lower Upper  
129 100  
127 77.3 39.1 117.2





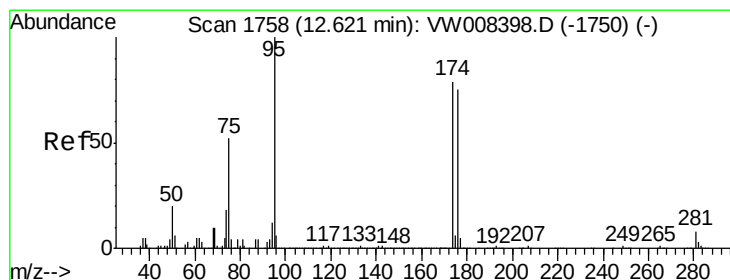
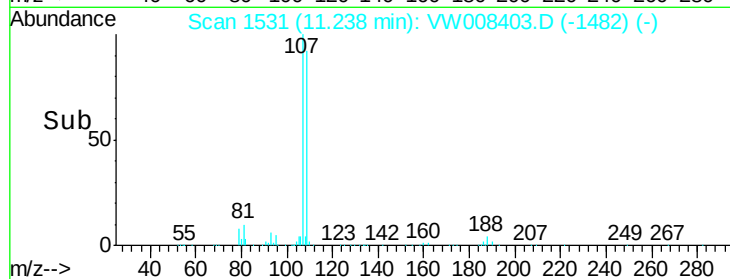
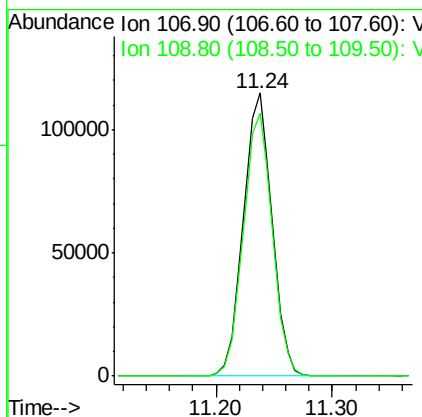
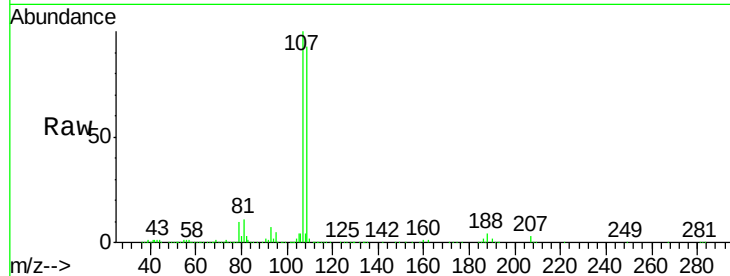
#61  
 1,2-Dibromoethane  
 Concen: 53.039 ug/l  
 RT: 11.24 min Scan# 1531  
 Delta R.T. 0.00 min  
 Lab File: VW008403.D  
 Acq: 24 Jan 2019 18:43

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 ICVVW012419

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 107     | 100   | 197885 |       |       |
| 109     | 93.6  | 75.0   | 112.4 |       |

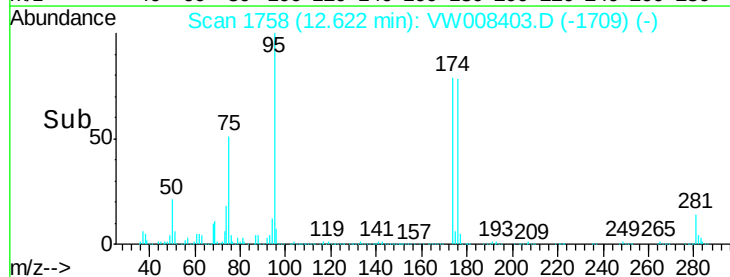
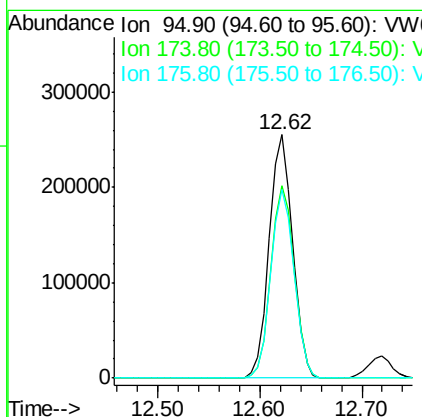
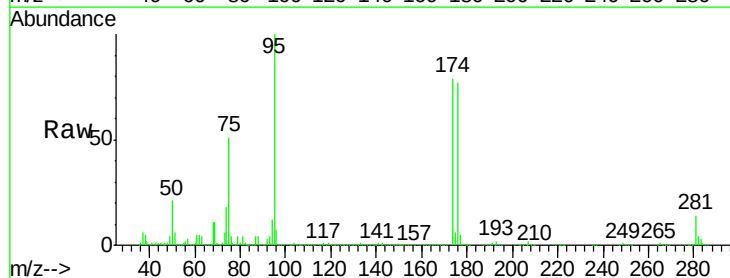
Manual Integrations  
 APPROVED

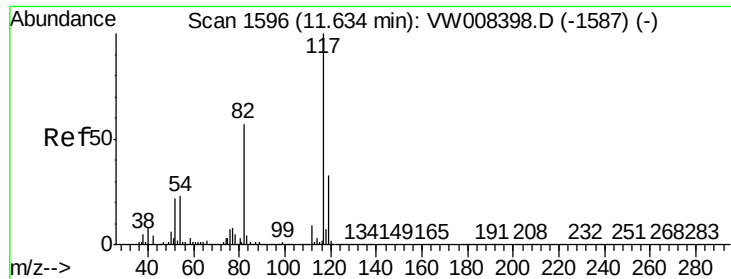
sam  
 1/25/2019 1:43:14 PM



#62  
 4-Bromofluorobenzene  
 Concen: 55.521 ug/l  
 RT: 12.62 min Scan# 1758  
 Delta R.T. 0.00 min  
 Lab File: VW008403.D  
 Acq: 24 Jan 2019 18:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 95      | 100   | 403842 |       |       |
| 174     | 79.1  | 0.0    | 157.6 |       |
| 176     | 77.1  | 0.0    | 151.8 |       |





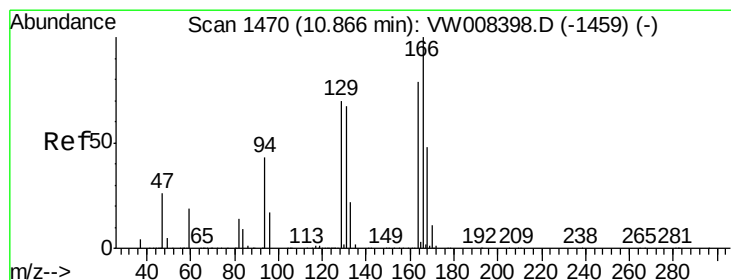
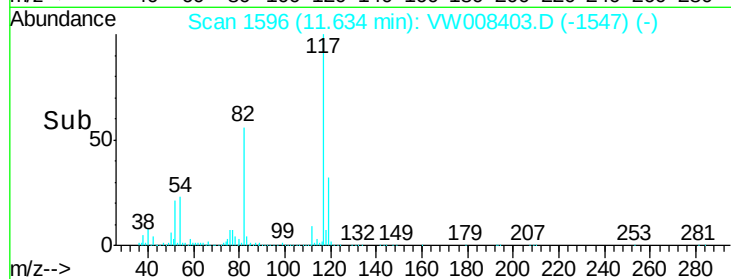
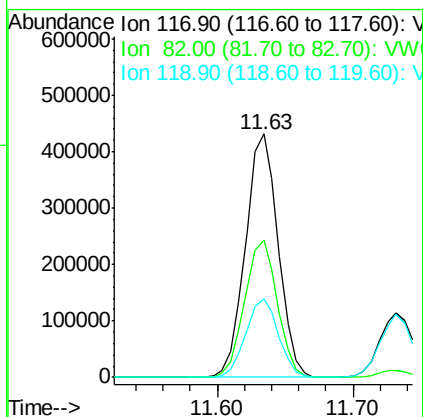
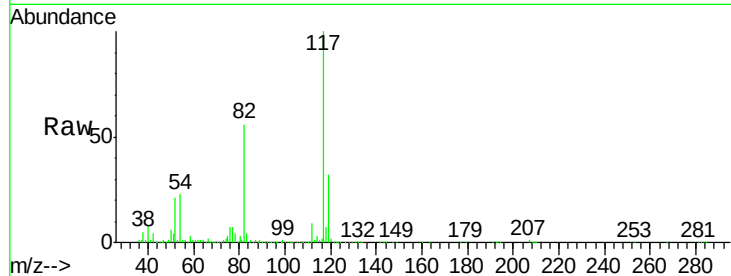
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW008403.D  
Acq: 24 Jan 2019 18:43

Instrument :  
MSVOA\_W  
ClientSampleId :  
ICVW012419

| Tot Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 117     | 100   |            |            |
| 82      | 56.4  | 45.4       | 68.0       |
| 119     | 32.4  | 26.2       | 39.4       |

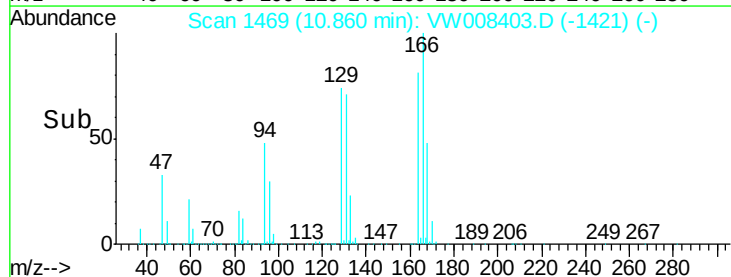
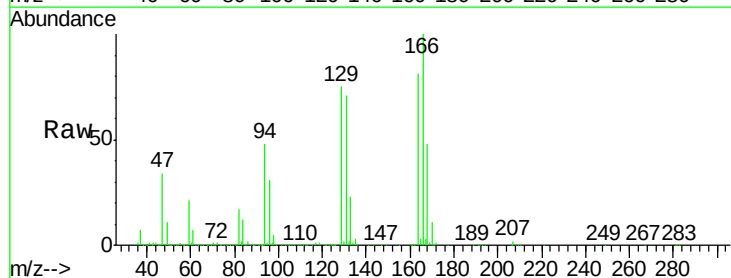
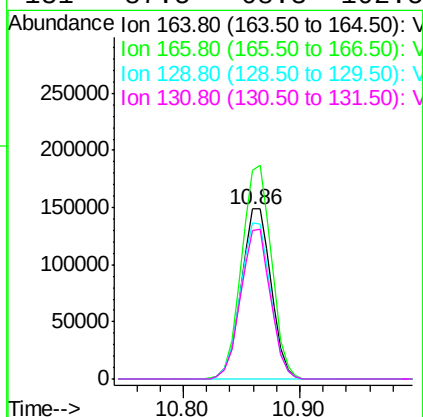
Manual Integrations  
APPROVED

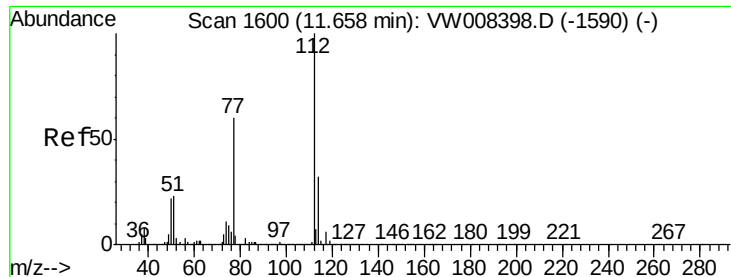
sam  
1/25/2019 1:43:14 PM



#64  
Tetrachloroethene  
Concen: 54.155 ug/l  
RT: 10.86 min Scan# 1469  
Delta R.T. -0.01 min  
Lab File: VW008403.D  
Acq: 24 Jan 2019 18:43

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 164     | 100   |            |            |
| 166     | 123.2 | 101.4      | 152.0      |
| 129     | 91.8  | 71.0       | 106.6      |
| 131     | 87.5  | 68.3       | 102.5      |





#65

Chlorobenzene

Concen: 53.968 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008403.D

Acq: 24 Jan 2019 18:43

Instrument :

MSVOA\_W

ClientSampled :

ICVW012419

Tot Ion:112 Resp: 799441

Ion Ratio Lower Upper

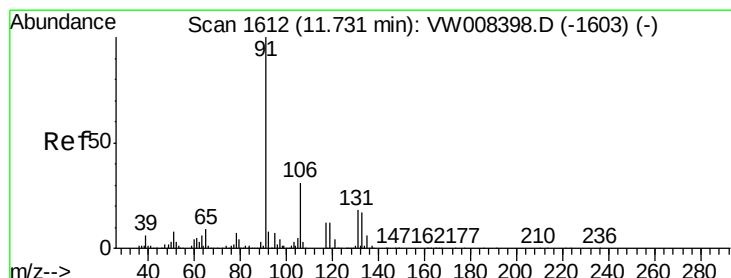
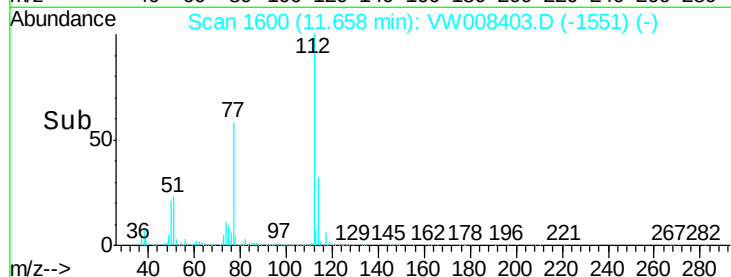
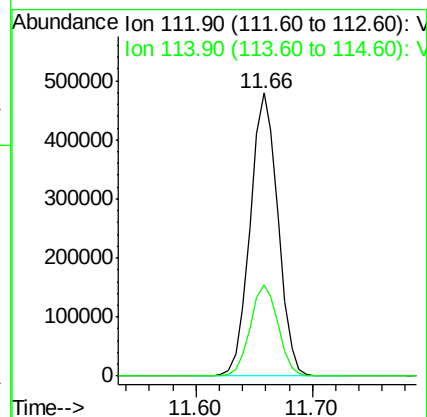
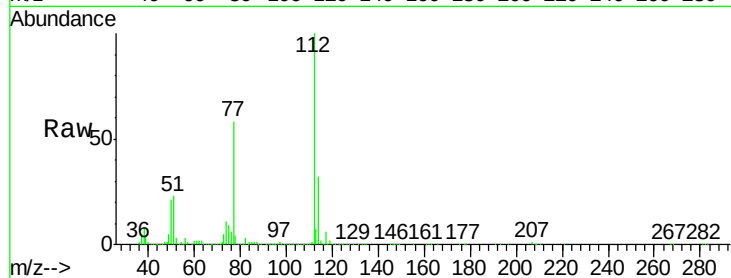
112 100

114 32.3 25.4 38.2

Manual Integrations  
APPROVED

sam

1/25/2019 1:43:14 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 54.002 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008403.D

Acq: 24 Jan 2019 18:43

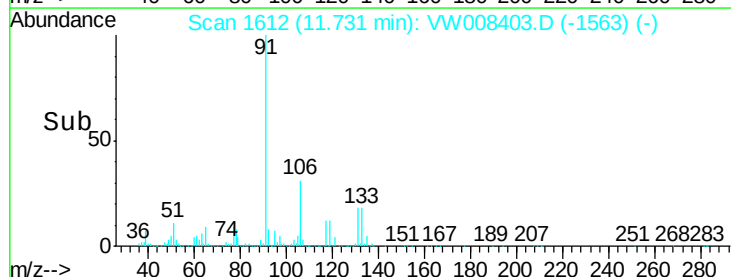
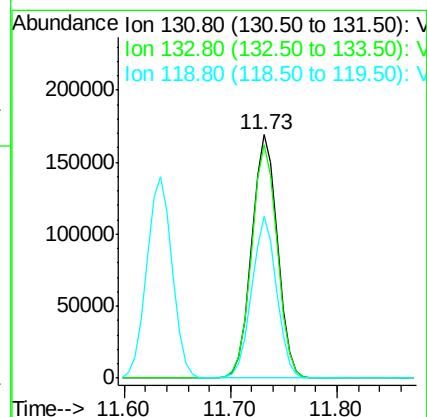
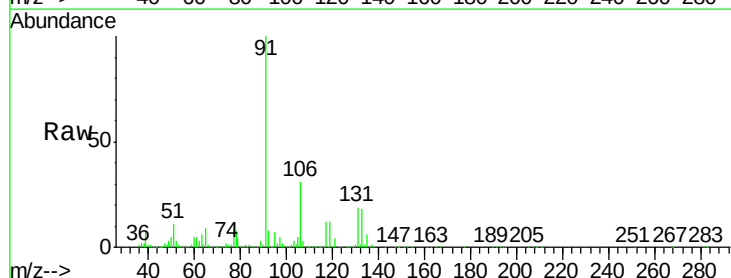
Tgt Ion:131 Resp: 286204

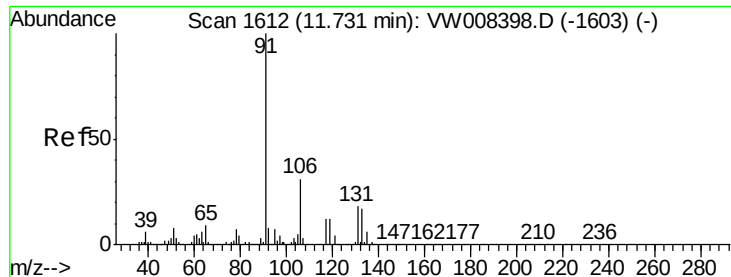
Ion Ratio Lower Upper

131 100

133 95.4 47.0 141.2

119 64.1 32.1 96.3





#67

Ethyl Benzene

Concen: 53.637 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008403.D

Acq: 24 Jan 2019 18:43

Instrument :

MSVOA\_W

ClientSampleId :

ICVW012419

Tot Ion: 91 Resp: 1460482

Ion Ratio Lower Upper

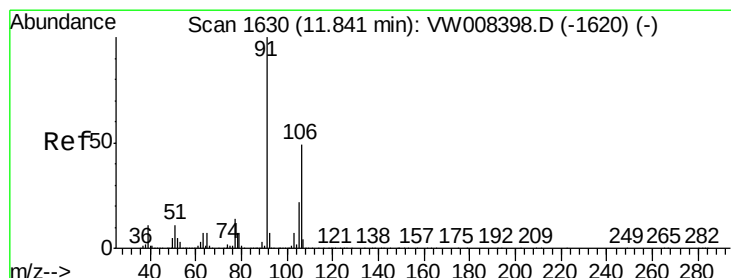
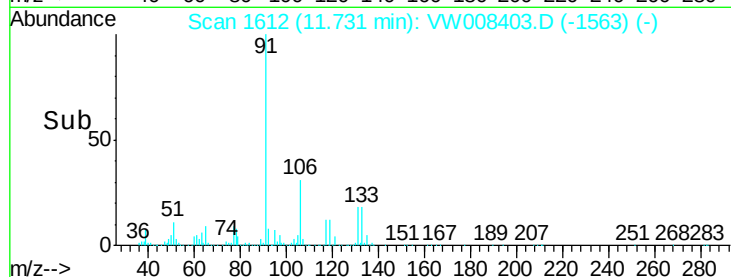
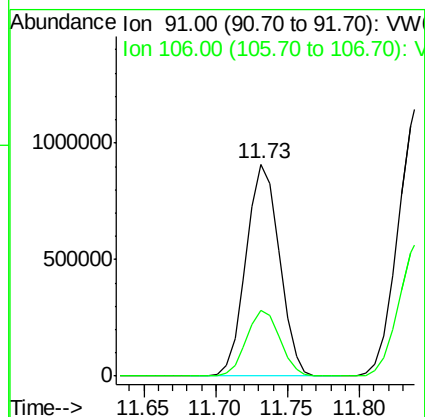
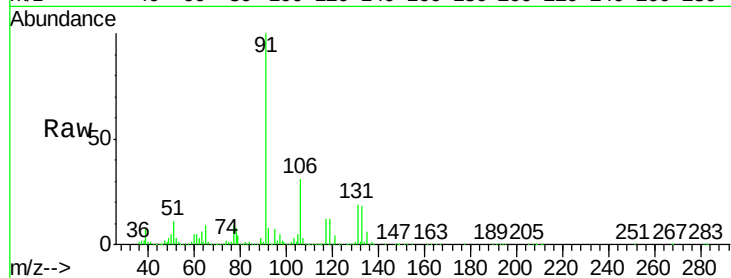
91 100

106 31.2 24.7 37.1

Manual Integrations  
APPROVED

sam

1/25/2019 1:43:14 PM



#68

m/p-Xylenes

Concen: 105.882 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW008403.D

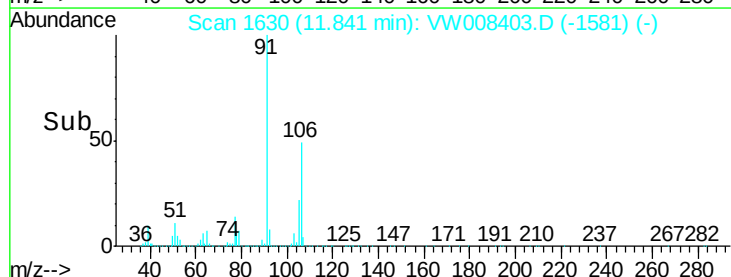
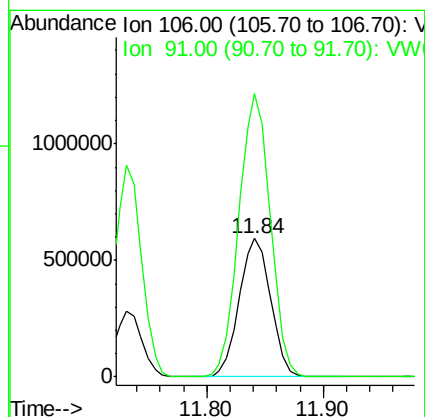
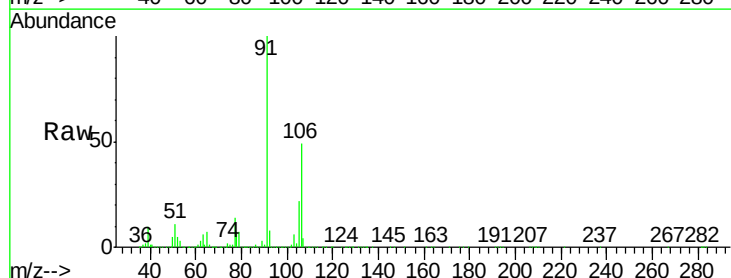
Acq: 24 Jan 2019 18:43

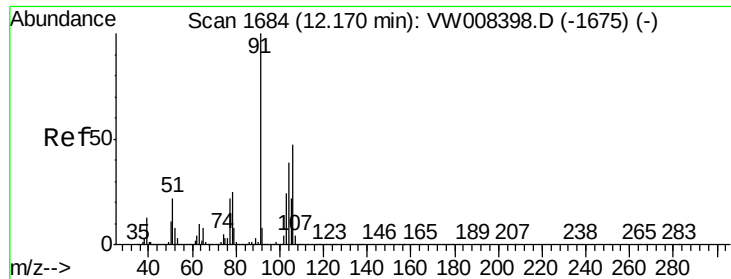
Tgt Ion:106 Resp: 1118619

Ion Ratio Lower Upper

106 100

91 204.0 162.9 244.3





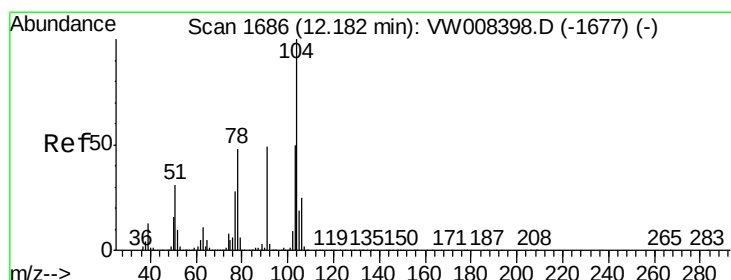
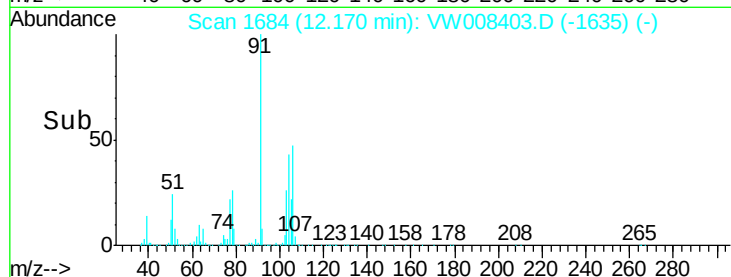
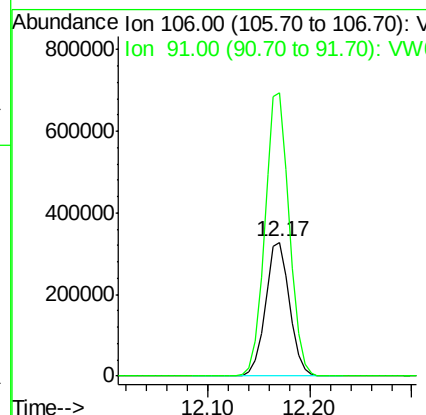
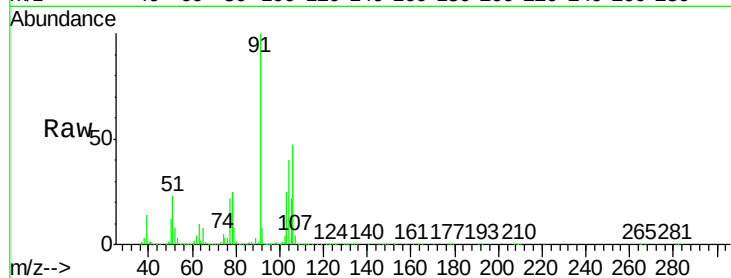
#69  
o-Xylene  
Concen: 53.705 ug/l  
RT: 12.17 min Scan# 1684  
Delta R.T. 0.00 min  
Lab File: VW008403.D  
Acq: 24 Jan 2019 18:43

Instrument :  
MSVOA\_W  
ClientSampleId :  
ICVW012419

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 212.6 | 107.5 | 322.4 |

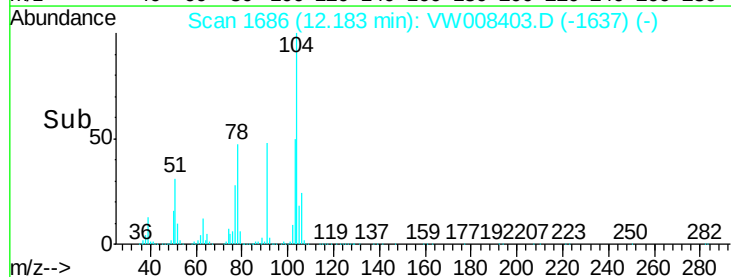
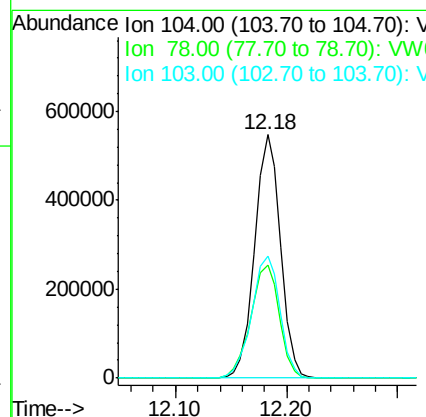
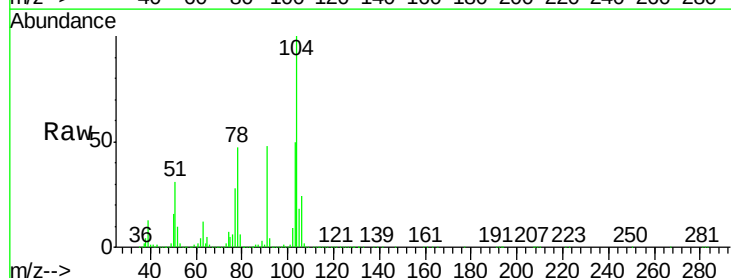
Manual Integrations  
APPROVED

sam  
1/25/2019 1:43:14 PM

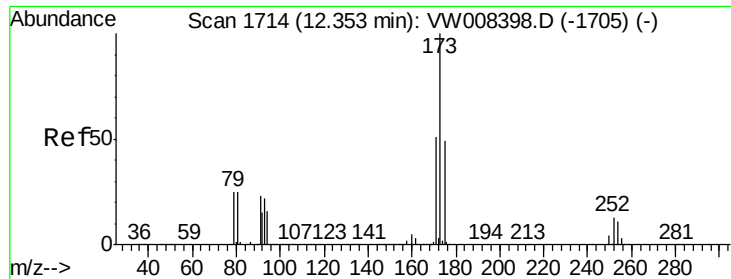


#70  
Styrene  
Concen: 53.310 ug/l  
RT: 12.18 min Scan# 1686  
Delta R.T. 0.00 min  
Lab File: VW008403.D  
Acq: 24 Jan 2019 18:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 51.8  | 42.4  | 63.6  |
| 103     | 55.0  | 43.4  | 65.0  |







#71

Bromoform

Concen: 52.841 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW008403.D

Acq: 24 Jan 2019 18:43

Instrument :

MSVOA\_W

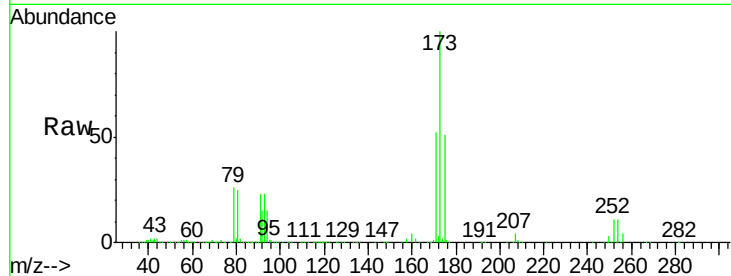
ClientSampleId :

ICVW012419

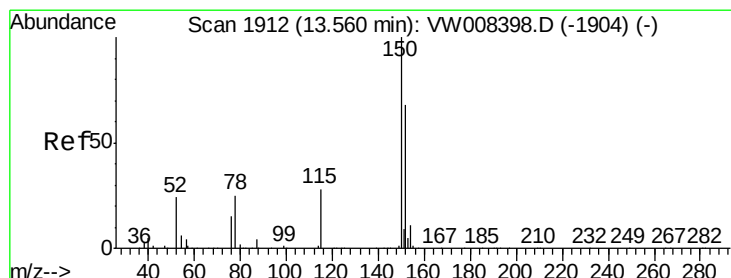
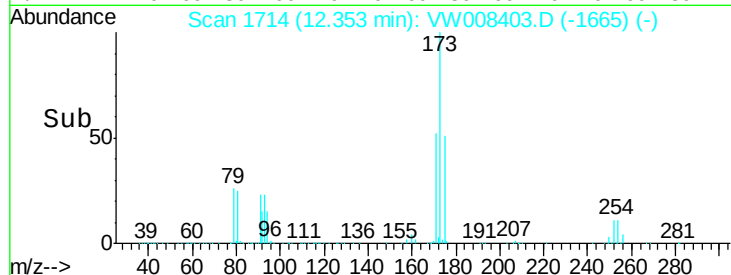
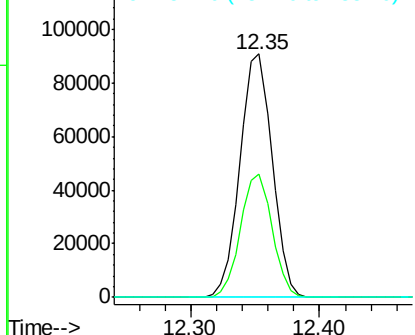
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 173   | Resp: | 157567 |
| Ion Ratio | Lower | Upper |        |
| 173       | 100   |       |        |
| 175       | 49.8  | 24.4  | 73.4   |
| 254       | 0.2   | 0.2   | 0.2    |

Manual Integrations  
APPROVED

sam  
1/25/2019 1:43:14 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

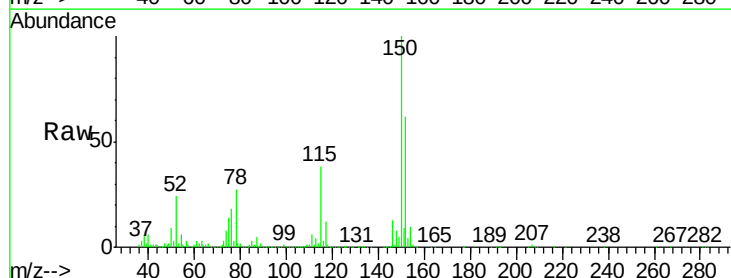
RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

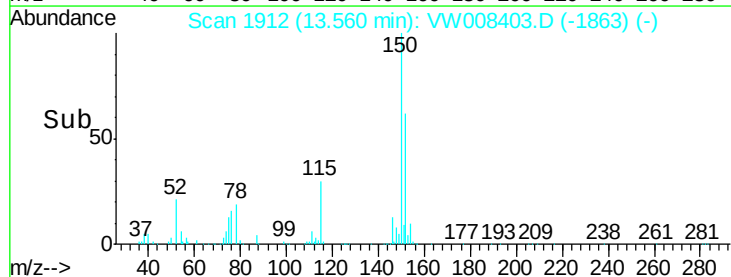
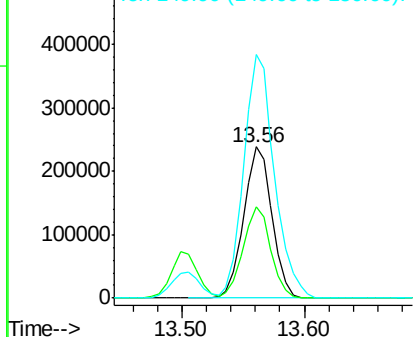
Lab File: VW008403.D

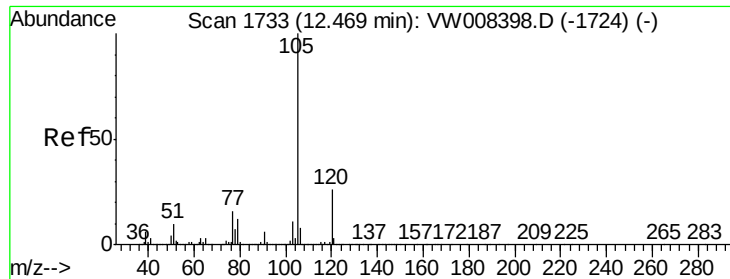
Acq: 24 Jan 2019 18:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 379910 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 59.0  | 29.9  | 89.7   |
| 150       | 175.2 | 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





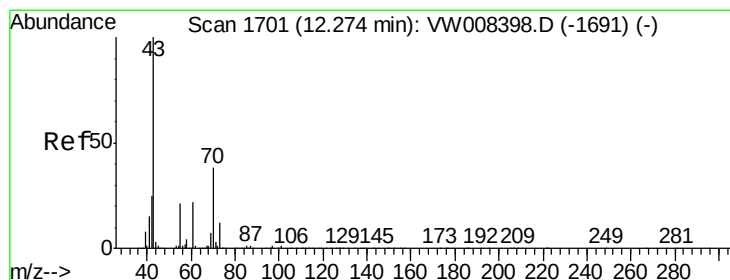
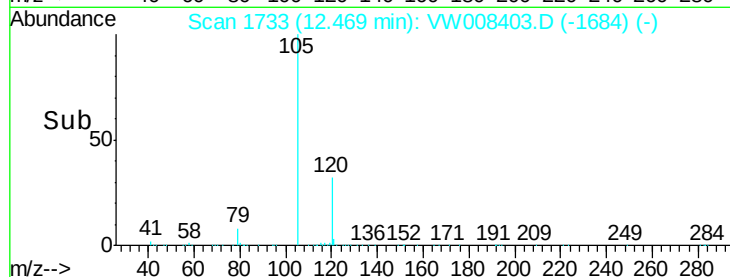
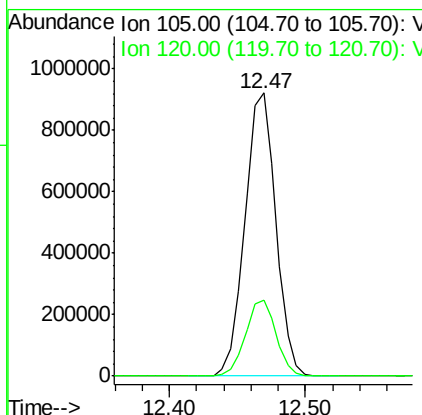
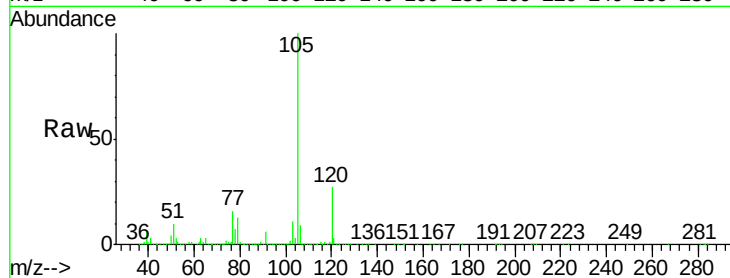
#73  
Isopropylbenzene  
Concen: 51.795 ug/l  
RT: 12.47 min Scan# 1733  
Delta R.T. 0.00 min  
Lab File: VW008403.D  
Acq: 24 Jan 2019 18:43

Instrument :  
MSVOA\_W  
ClientSampleId :  
ICVW012419

Tot Ion: 105 Resp: 1466989  
Ion Ratio Lower Upper  
105 100  
120 26.7 13.3 39.8

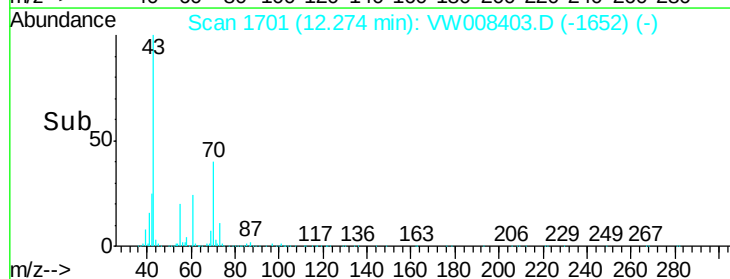
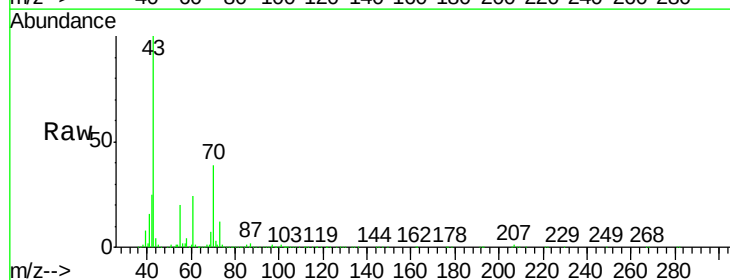
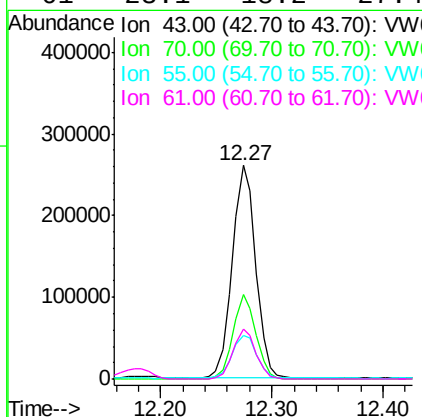
Manual Integrations  
APPROVED

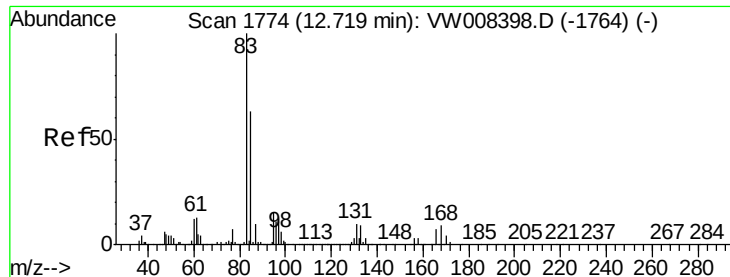
sam  
1/25/2019 1:43:14 PM



#74  
N-ethyl acetate  
Concen: 51.640 ug/l  
RT: 12.27 min Scan# 1701  
Delta R.T. 0.00 min  
Lab File: VW008403.D  
Acq: 24 Jan 2019 18:43

Tgt Ion: 43 Resp: 376793  
Ion Ratio Lower Upper  
43 100  
70 38.6 31.0 46.6  
55 21.3 17.4 26.2  
61 23.1 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 51.360 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW008403.D

Acq: 24 Jan 2019 18:43

Instrument :

MSVOA\_W

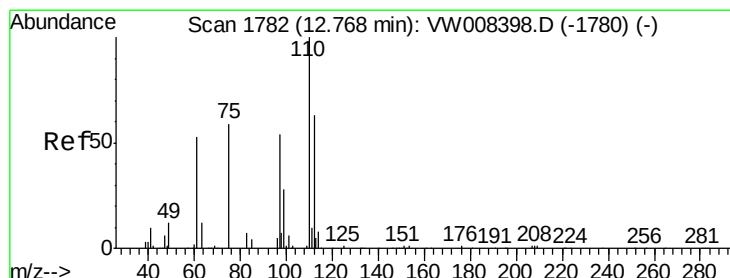
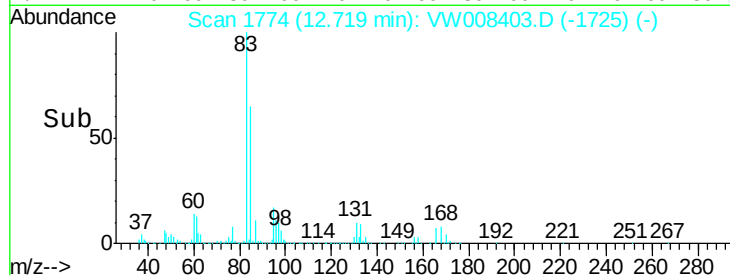
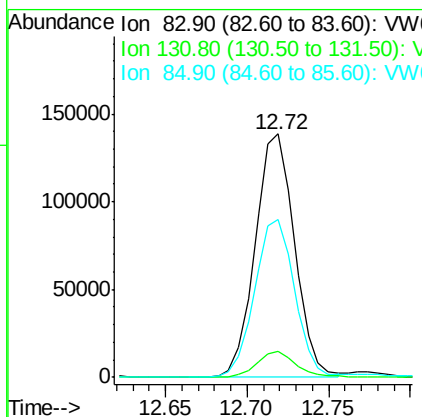
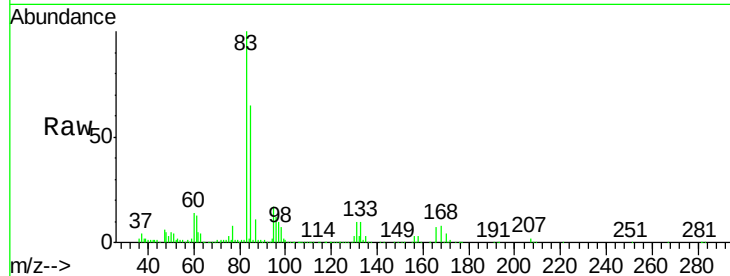
ClientSampleId :

ICVW012419

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 230304 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.6  | 5.5   | 16.4   |
| 85        | 65.9  | 31.9  | 95.5   |

Manual Integrations  
APPROVED

sam  
1/25/2019 1:43:14 PM



#76

1,2,3-Trichloropropane

Concen: 50.866 ug/l m

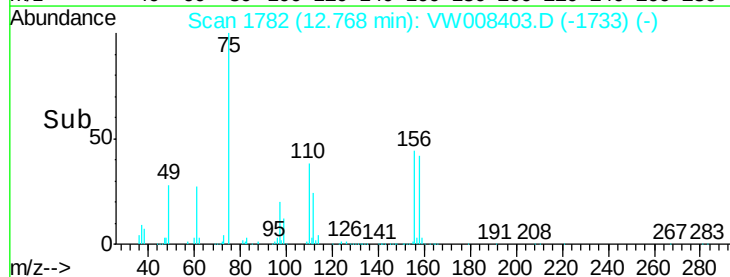
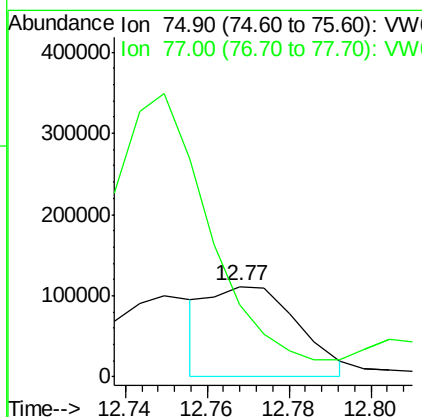
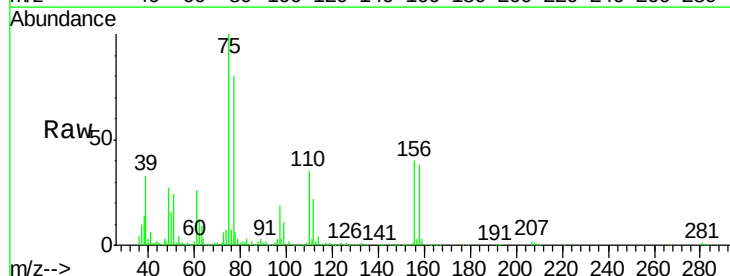
RT: 12.77 min Scan# 1782

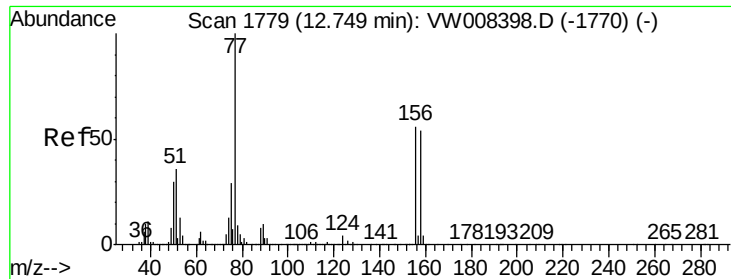
Delta R.T. 0.00 min

Lab File: VW008403.D

Acq: 24 Jan 2019 18:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 168014 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 368.7 | 180.7 | 542.1  |





#77

Bromobenzene

Concen: 52.673 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008403.D

Acq: 24 Jan 2019 18:43

Instrument :

MSVOA\_W

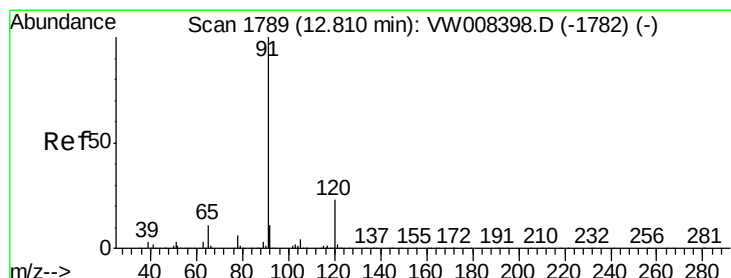
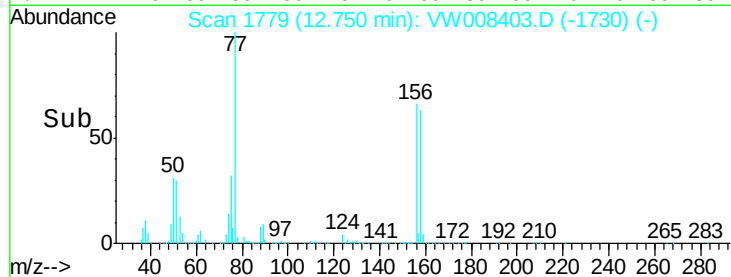
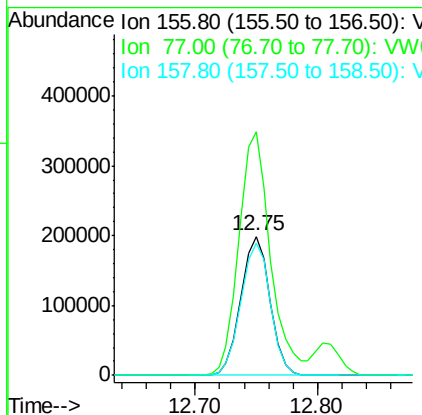
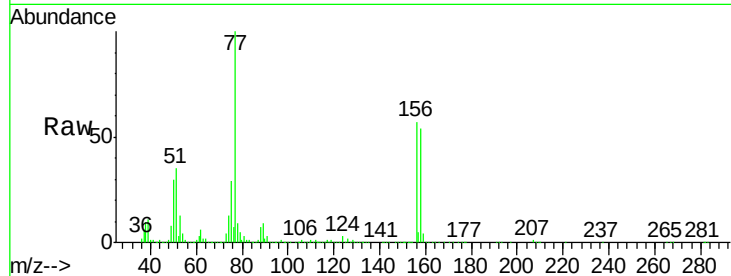
ClientSampleId :

ICVW012419

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 325809 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 190.1 | 96.9  | 290.7  |
| 158       | 96.8  | 48.8  | 146.4  |

Manual Integrations  
APPROVED

Sam  
1/25/2019 1:43:14 PM



#78

n-propylbenzene

Concen: 52.435 ug/l

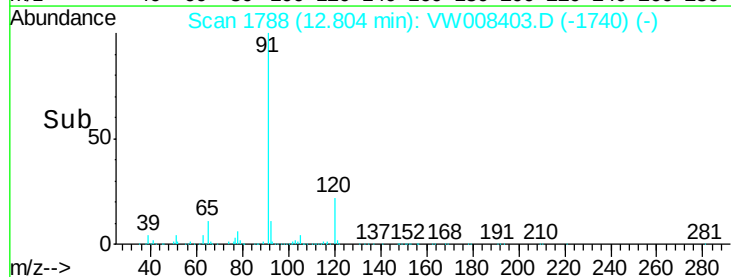
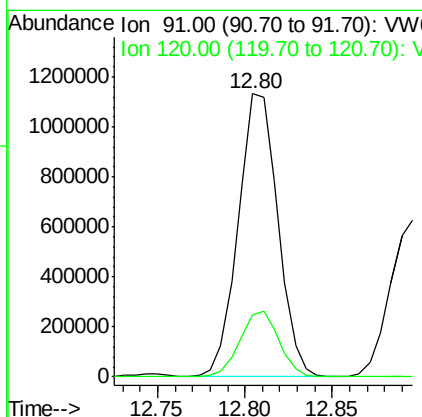
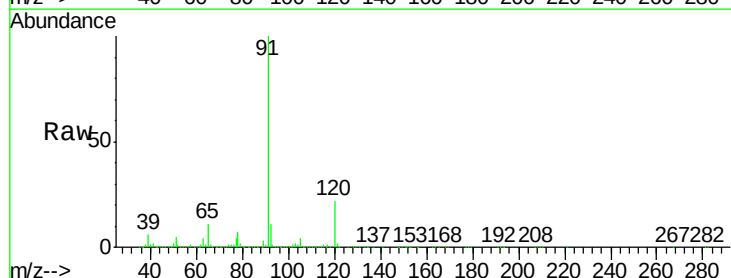
RT: 12.80 min Scan# 1788

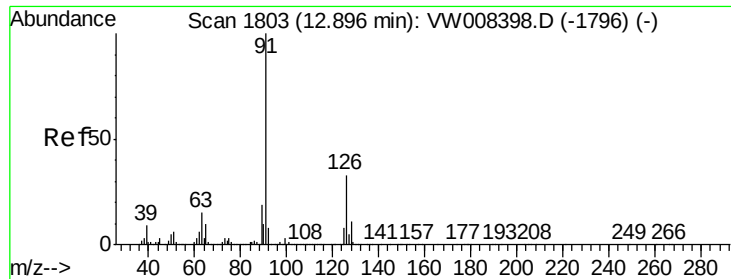
Delta R.T. -0.01 min

Lab File: VW008403.D

Acq: 24 Jan 2019 18:43

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 91    | Resp: | 1783711 |
| Ion Ratio | Lower | Upper |         |
| 91        | 100   |       |         |
| 120       | 22.8  | 11.4  | 34.1    |





#79

2-Chlorotoluene

Concen: 52.576 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008403.D

Acq: 24 Jan 2019 18:43

Instrument :

MSVOA\_W

ClientSampleId :

ICVW012419

Tot Ion: 91 Resp: 1009260

Ion Ratio Lower Upper

91 100

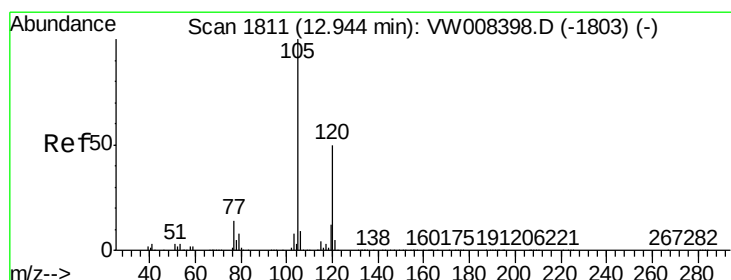
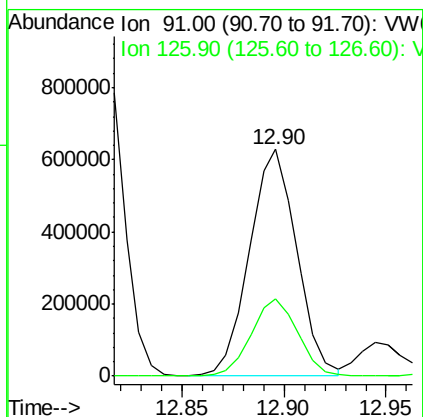
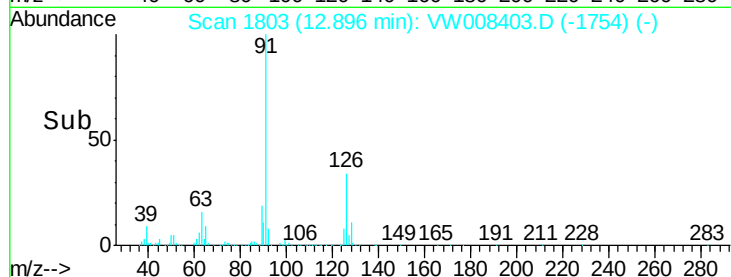
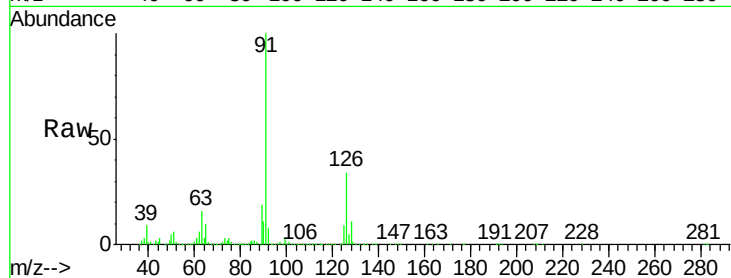
126 33.5 16.5 49.5

Manual Integrations

APPROVED

Sam

1/25/2019 1:43:14 PM



#80

1,3,5-Trimethylbenzene

Concen: 52.711 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008403.D

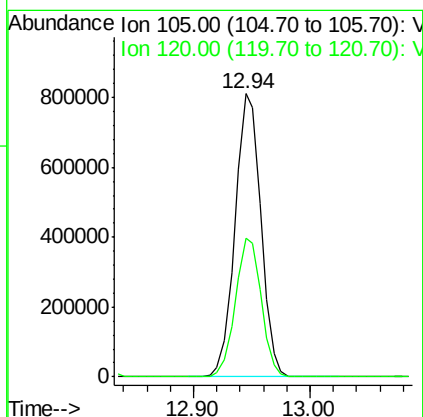
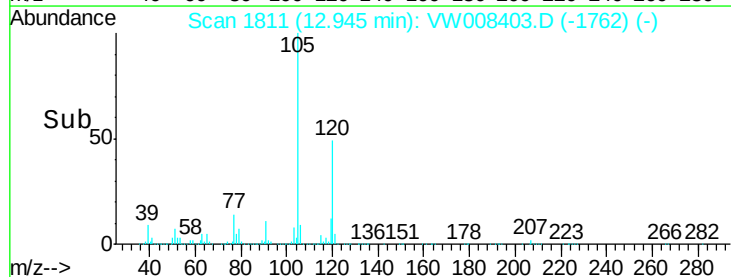
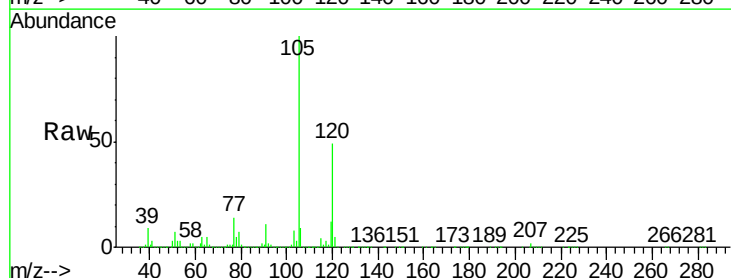
Acq: 24 Jan 2019 18:43

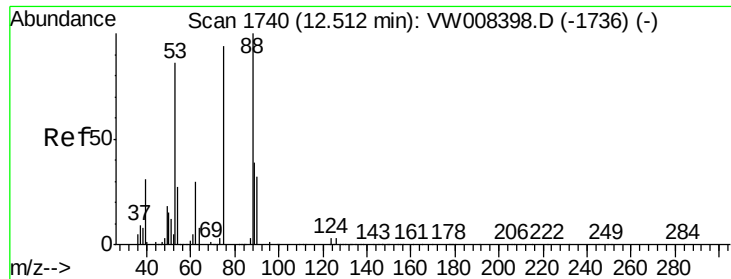
Tgt Ion: 105 Resp: 1247840

Ion Ratio Lower Upper

105 100

120 49.1 24.6 73.8





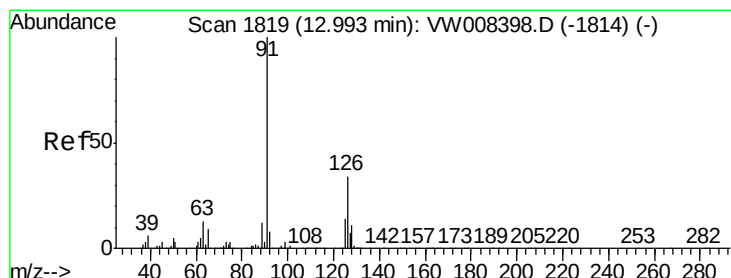
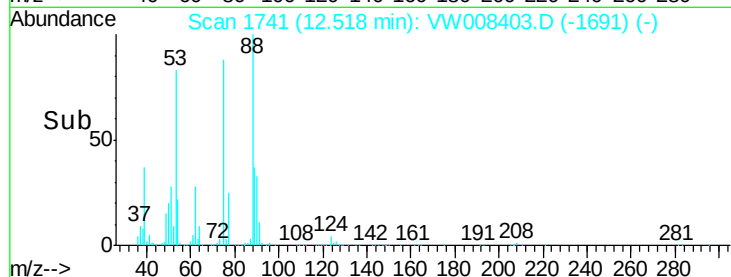
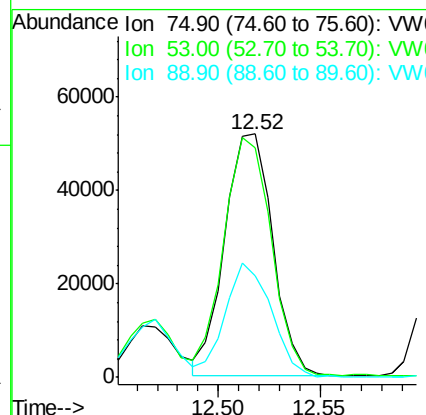
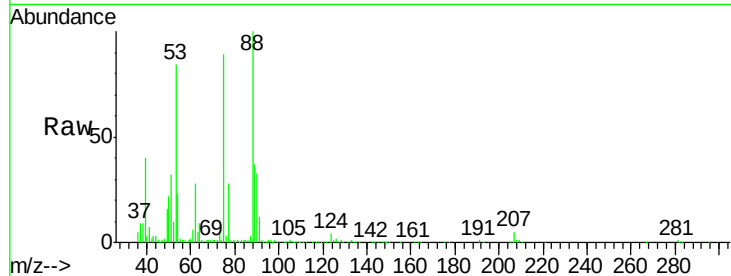
#81  
trans-1,4-Dichloro-2-butene  
Concen: 50.829 ug/l  
RT: 12.52 min Scan# 1741  
Delta R.T. 0.01 min  
Lab File: VW008403.D  
Acq: 24 Jan 2019 18:43

Instrument :  
MSVOA\_W  
ClientSampleId :  
ICVW012419

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 97.0  | 76.0  | 114.0 |
| 89      | 45.2  | 35.4  | 53.0  |

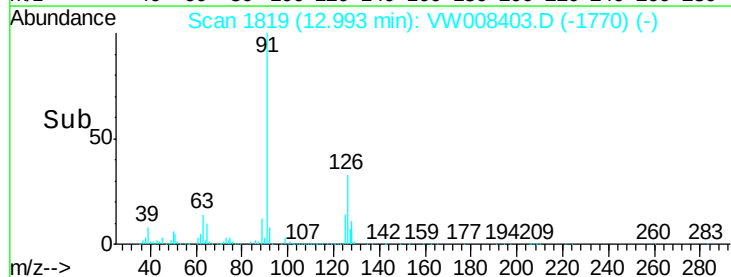
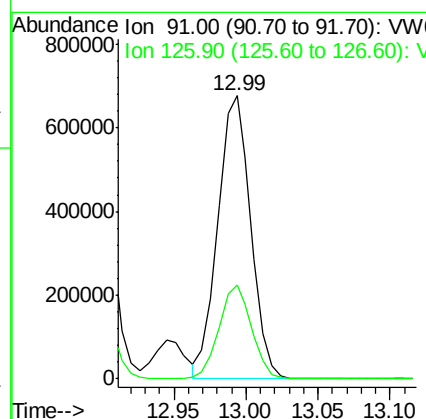
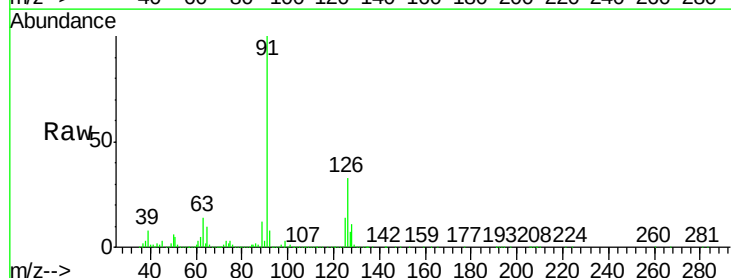
Manual Integrations  
APPROVED

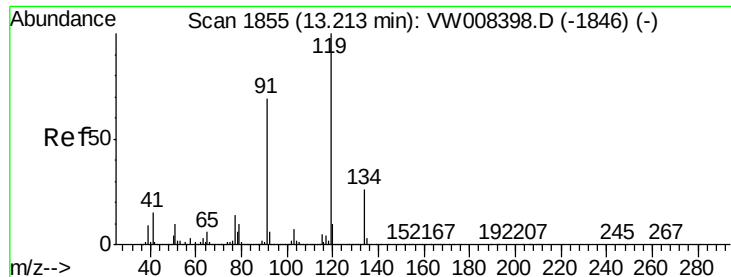
sam  
1/25/2019 1:43:14 PM



#82  
4-Chlorotoluene  
Concen: 52.721 ug/l  
RT: 12.99 min Scan# 1819  
Delta R.T. 0.00 min  
Lab File: VW008403.D  
Acq: 24 Jan 2019 18:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 33.0  | 16.4  | 49.2  |





#83

tert-Butylbenzene

Concen: 52.905 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW008403.D

Acq: 24 Jan 2019 18:43

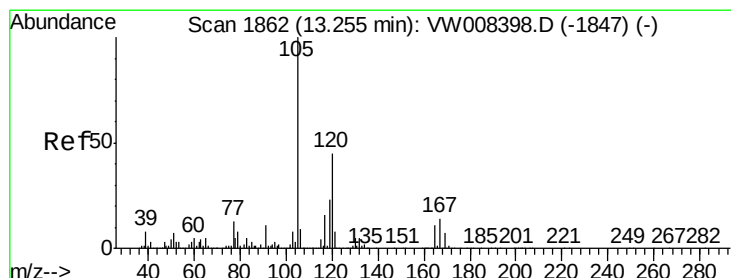
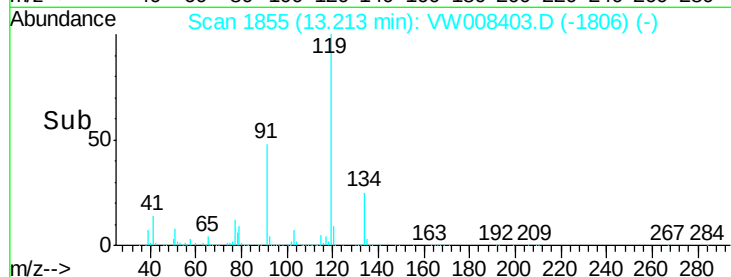
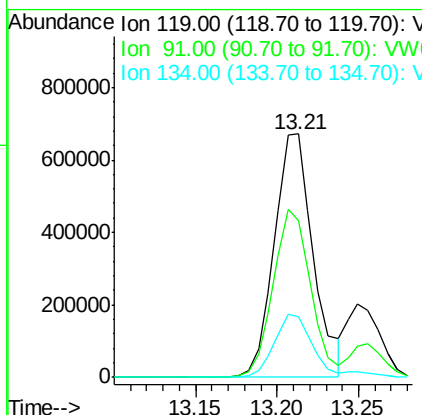
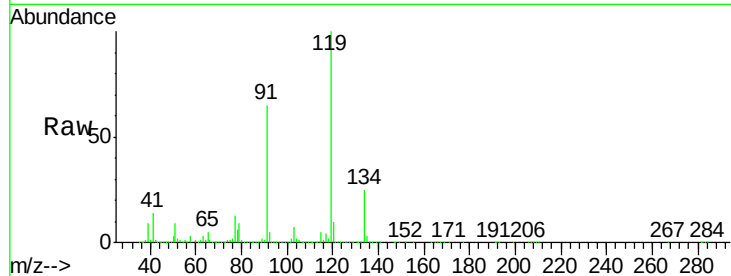
Instrument :  
MSVOA\_W

ClientSampleId :  
ICVW012419

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 66.4  | 33.8  | 101.4 |
| 134     | 26.7  | 13.5  | 40.4  |

Manual Integrations  
APPROVED

sam  
1/25/2019 1:43:14 PM



#84

1,2,4-Trimethylbenzene

Concen: 53.090 ug/l

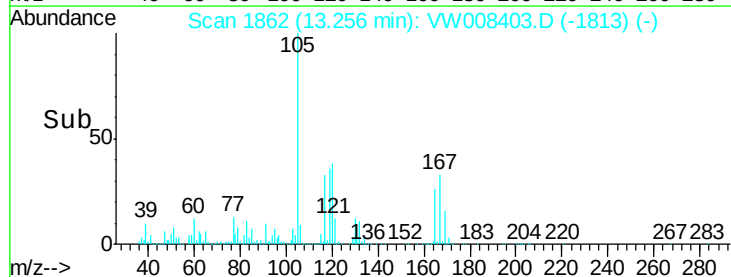
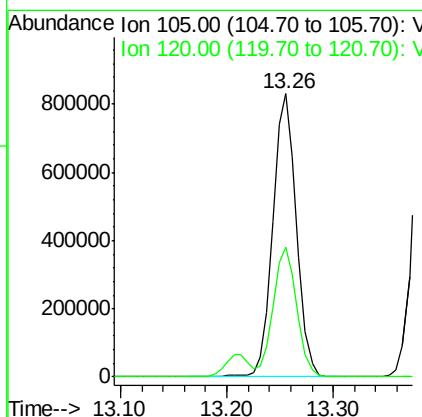
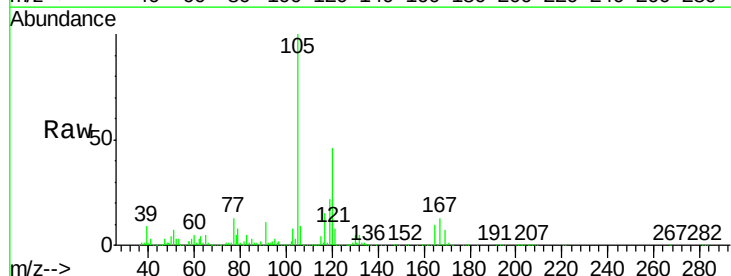
RT: 13.26 min Scan# 1862

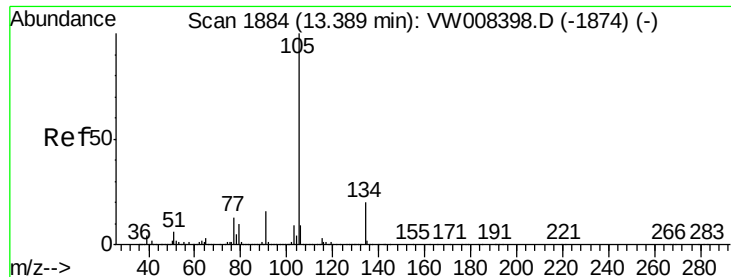
Delta R.T. 0.00 min

Lab File: VW008403.D

Acq: 24 Jan 2019 18:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 45.9  | 23.1  | 69.2  |





#85

sec-Butylbenzene

Concen: 52.671 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW008403.D

Acq: 24 Jan 2019 18:43

Instrument :

MSVOA\_W

ClientSampled :

ICVW012419

Tot Ion:105 Resp: 1584640

Ion Ratio Lower Upper

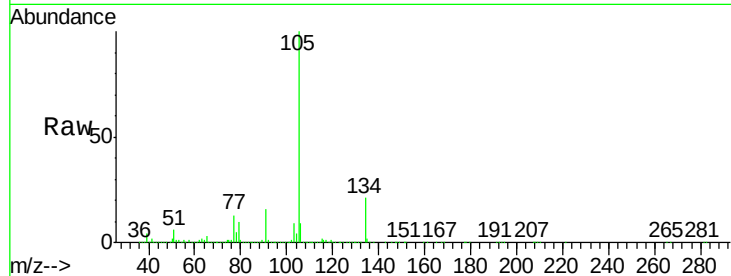
105 100

134 20.4 10.2 30.6

Manual Integrations  
APPROVED

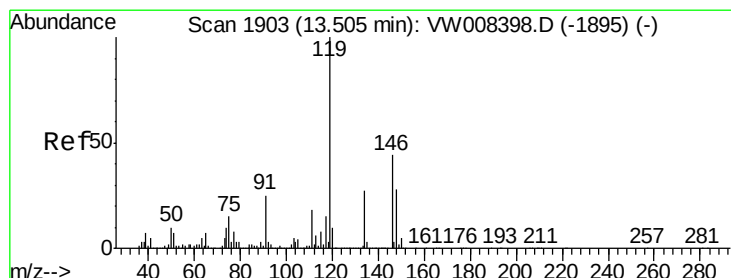
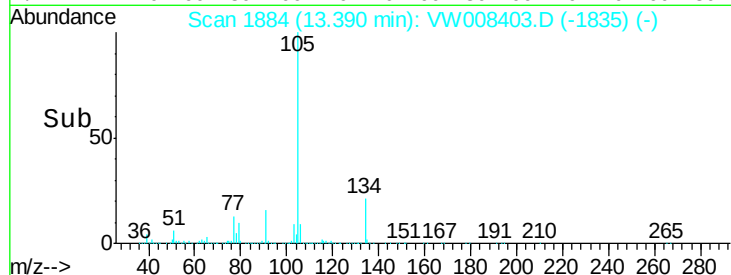
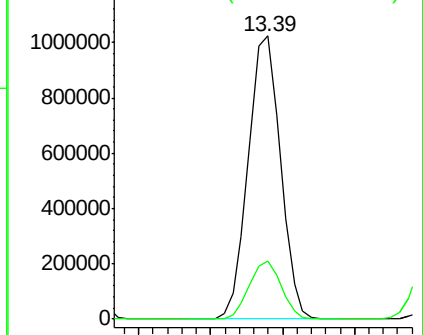
sam

1/25/2019 1:43:14 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.222 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008403.D

Acq: 24 Jan 2019 18:43

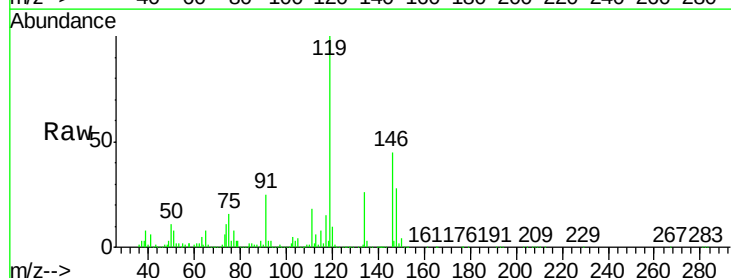
Tgt Ion:119 Resp: 1402591

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

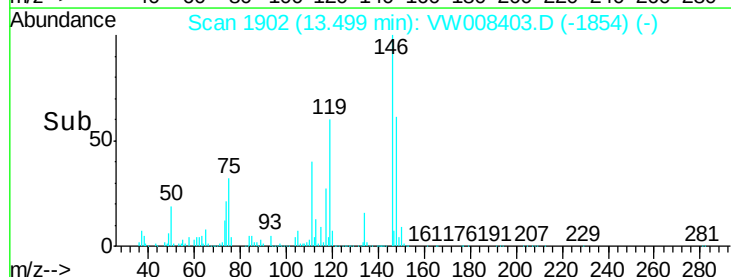
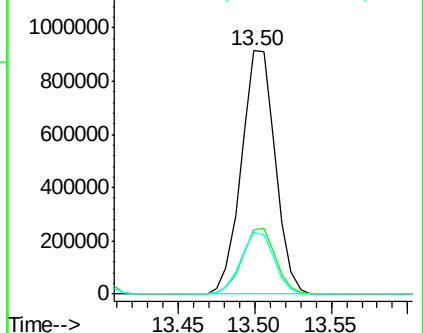
91 25.1 12.6 37.6



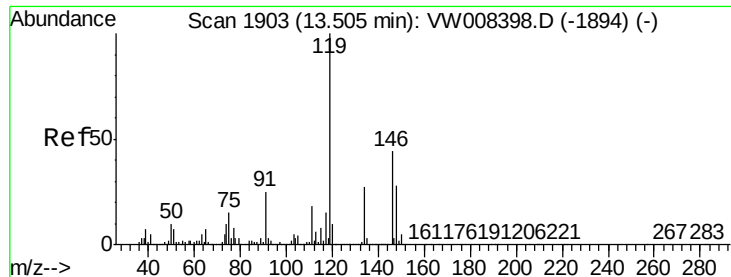
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V







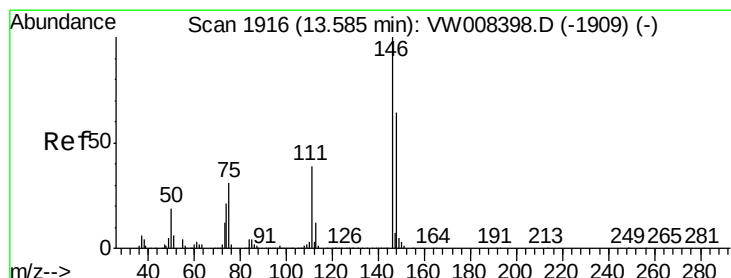
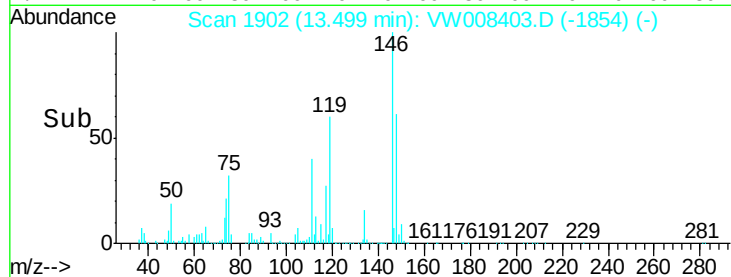
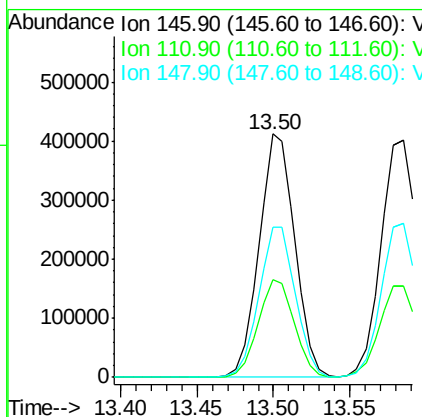
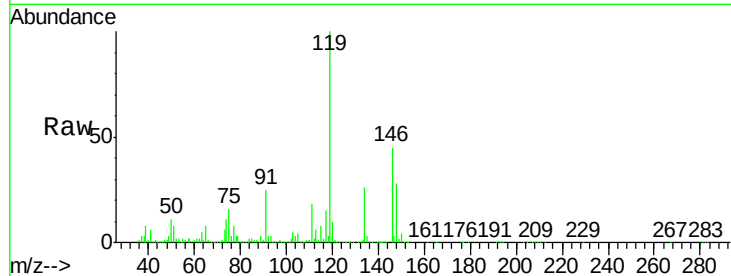
#87  
 1,3-Dichlorobenzene  
 Concen: 53.635 ug/l  
 RT: 13.50 min Scan# 1902  
 Delta R.T. -0.01 min  
 Lab File: VW008403.D  
 Acq: 24 Jan 2019 18:43

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 ICVVW012419

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 670017 |       |       |
| 111     | 40.5  | 20.3   | 60.9  |       |
| 148     | 63.0  | 31.9   | 95.7  |       |

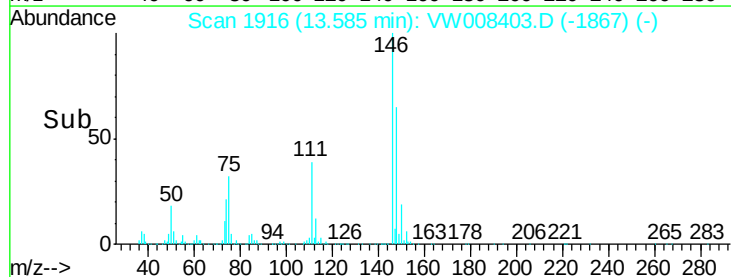
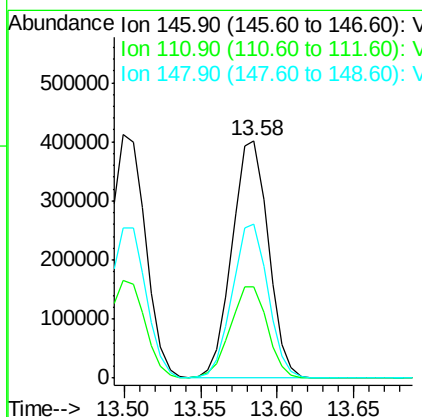
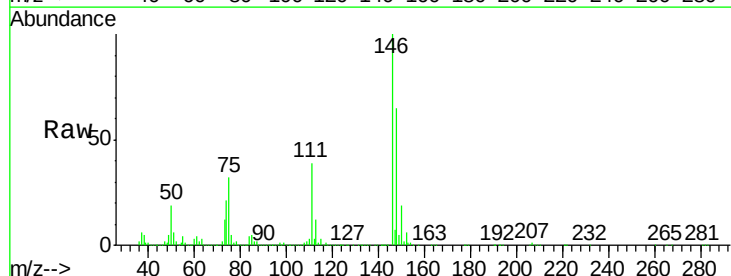
Manual Integrations  
 APPROVED

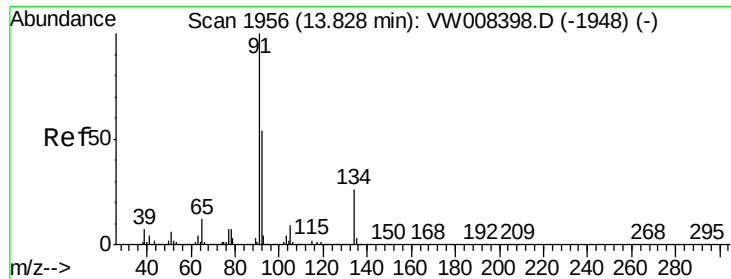
sam  
 1/25/2019 1:43:14 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 53.363 ug/l  
 RT: 13.58 min Scan# 1916  
 Delta R.T. 0.00 min  
 Lab File: VW008403.D  
 Acq: 24 Jan 2019 18:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 662483 |       |       |
| 111     | 39.2  | 20.0   | 60.0  |       |
| 148     | 64.0  | 32.0   | 96.2  |       |





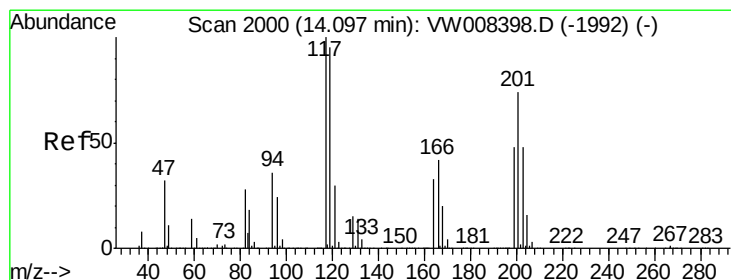
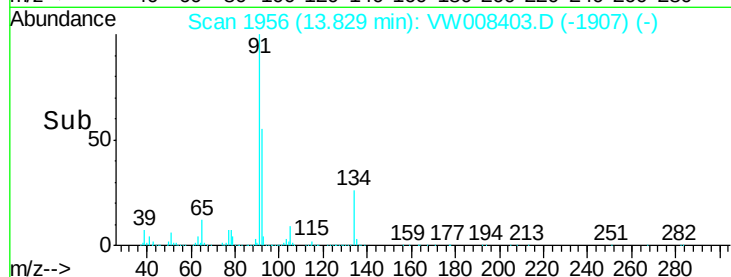
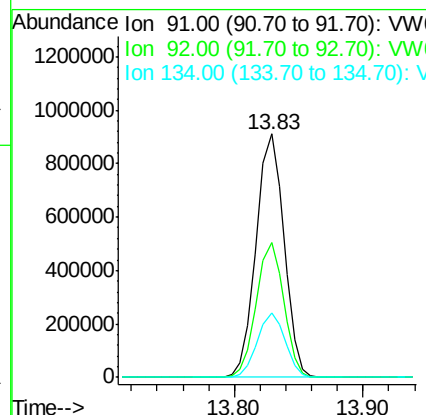
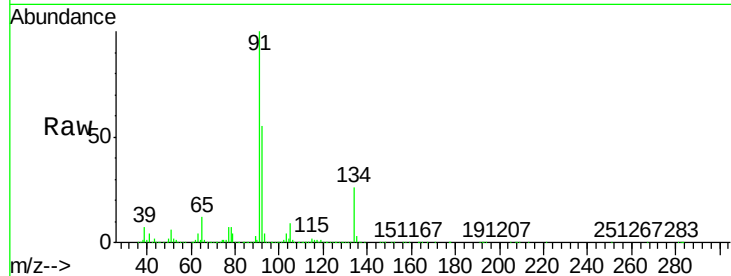
#89  
n-Butylbenzene  
Concen: 52.491 ug/l  
RT: 13.83 min Scan# 1956  
Delta R.T. 0.00 min  
Lab File: VW008403.D  
Acq: 24 Jan 2019 18:43

Instrument :  
MSVOA\_W  
ClientSampleId :  
ICVW012419

Tot Ion: 91 Resp: 1358234  
Ion Ratio Lower Upper  
91 100  
92 54.7 27.4 82.2  
134 26.4 13.0 39.0

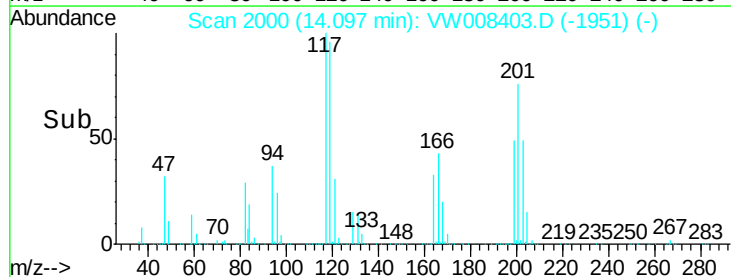
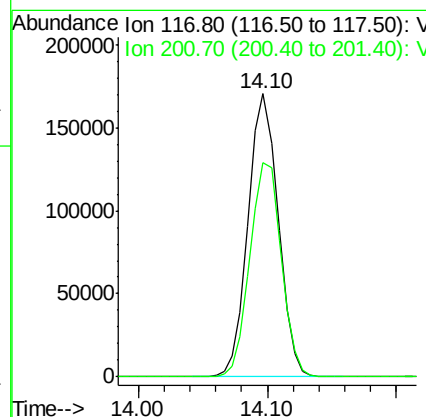
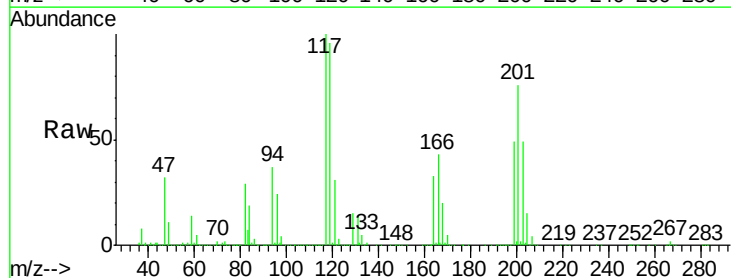
Manual Integrations  
APPROVED

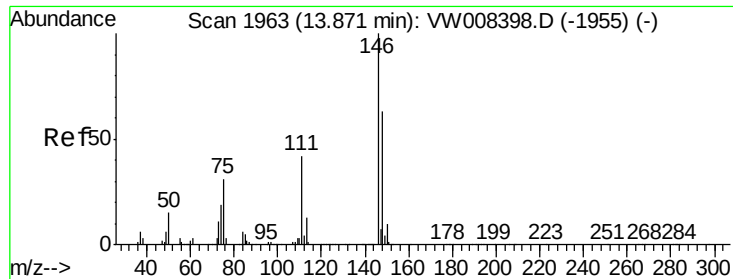
sam  
1/25/2019 1:43:14 PM



#90  
Hexachloroethane  
Concen: 53.281 ug/l  
RT: 14.10 min Scan# 2000  
Delta R.T. 0.00 min  
Lab File: VW008403.D  
Acq: 24 Jan 2019 18:43

Tgt Ion: 117 Resp: 274595  
Ion Ratio Lower Upper  
117 100  
201 78.8 39.1 117.5





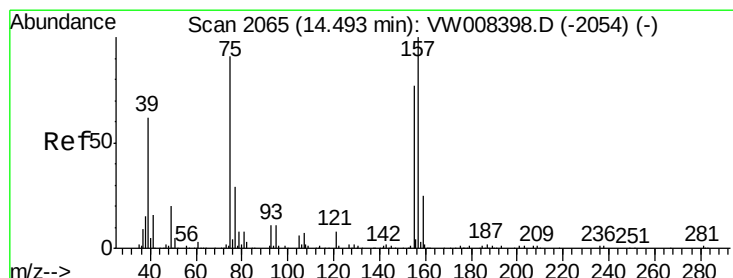
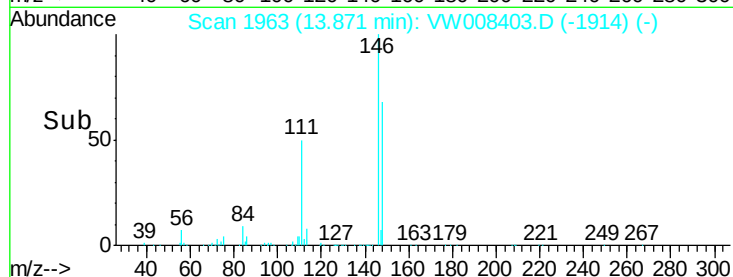
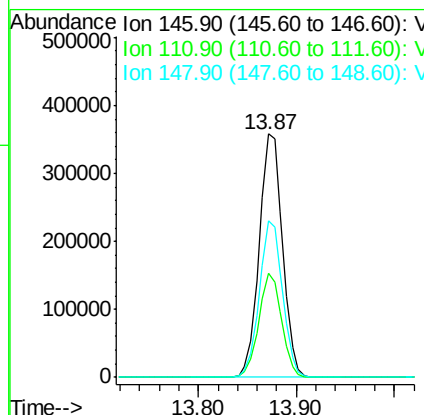
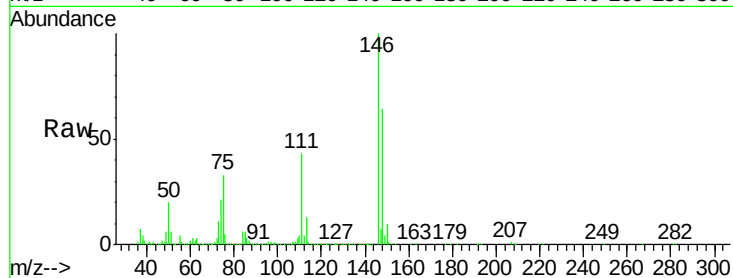
#91  
 1,2-Dichlorobenzene  
 Concen: 53.338 ug/l  
 RT: 13.87 min Scan# 1963  
 Delta R.T. 0.00 min  
 Lab File: VW008403.D  
 Acq: 24 Jan 2019 18:43

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 ICVVW012419

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 589558 |       |       |
| 111     | 41.7  |        | 21.1  | 63.3  |
| 148     | 63.7  |        | 31.9  | 95.5  |

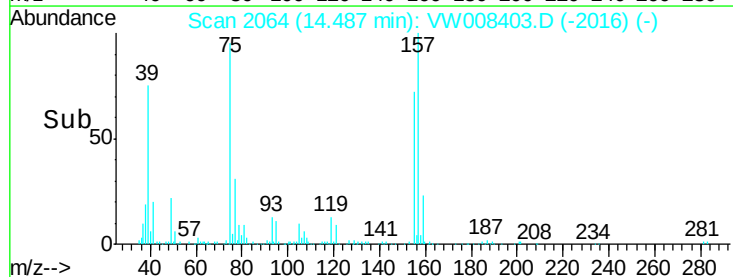
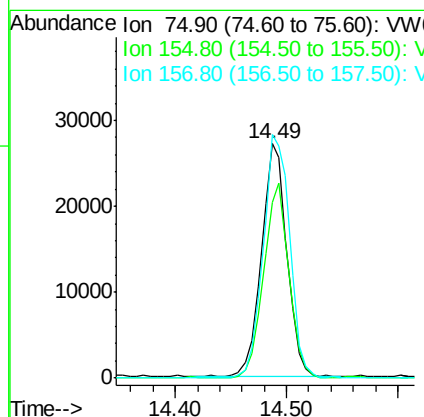
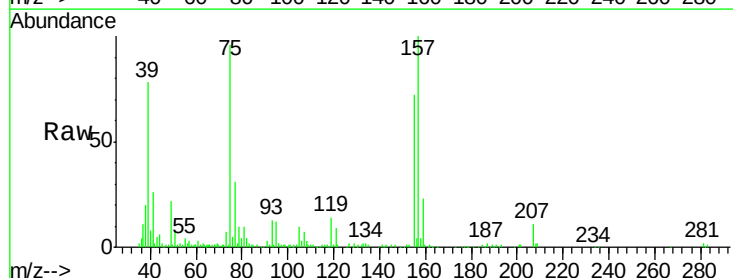
Manual Integrations  
 APPROVED

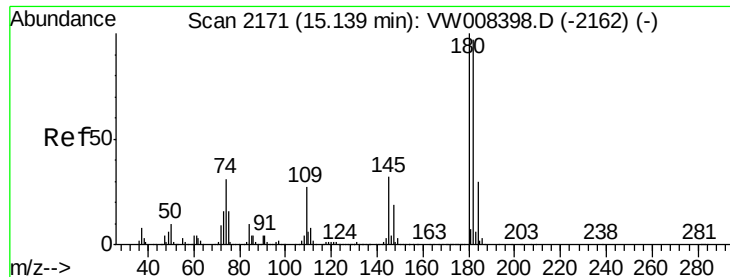
Sam  
 1/25/2019 1:43:14 PM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 50.941 ug/l  
 RT: 14.49 min Scan# 2064  
 Delta R.T. -0.01 min  
 Lab File: VW008403.D  
 Acq: 24 Jan 2019 18:43

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 43341 |       |       |
| 155     | 82.8  |       | 42.7  | 128.1 |
| 157     | 109.3 |       | 55.5  | 166.3 |





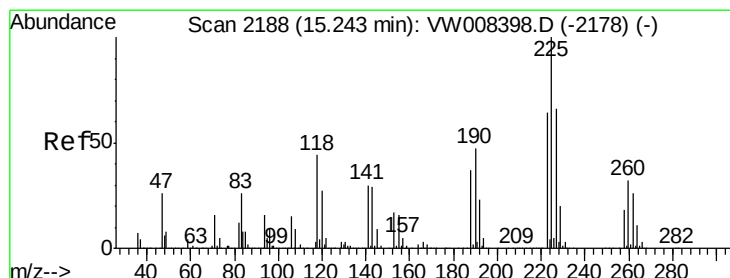
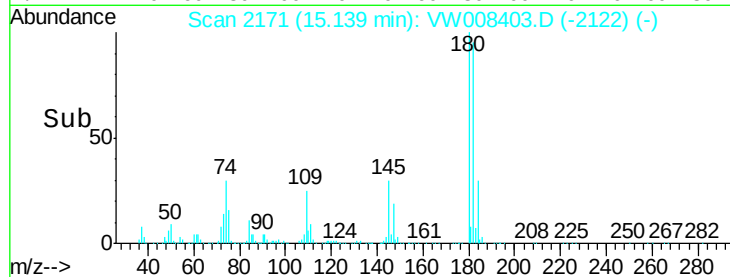
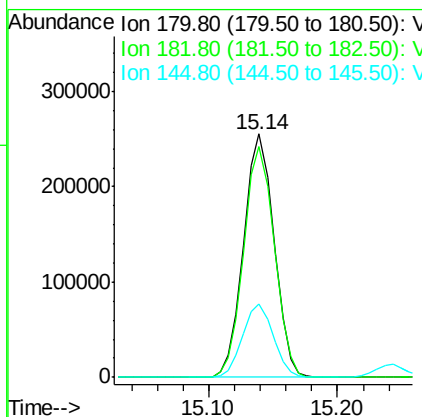
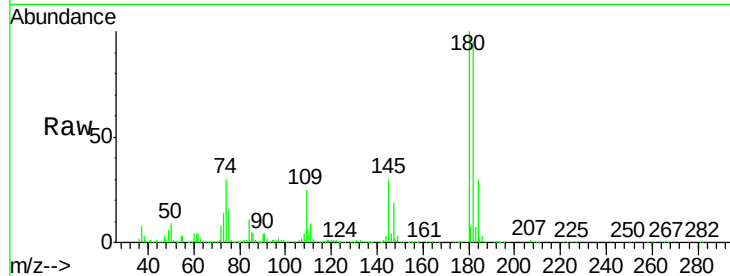
#93  
 1,2,4-Trichlorobenzene  
 Concen: 52.931 ug/l  
 RT: 15.14 min Scan# 2171  
 Delta R.T. 0.00 min  
 Lab File: VW008403.D  
 Acq: 24 Jan 2019 18:43

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 ICVVW012419

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 417504 |       |       |
| 182     | 95.5  | 47.9   | 143.7 |       |
| 145     | 30.4  | 15.5   | 46.5  |       |

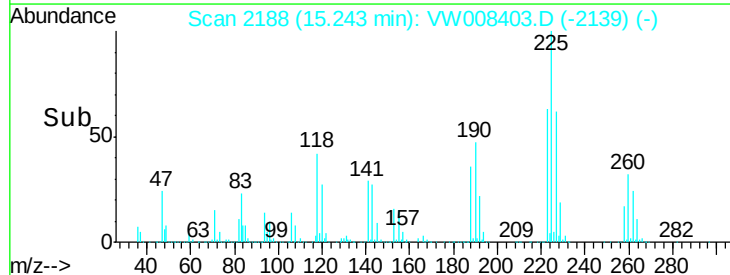
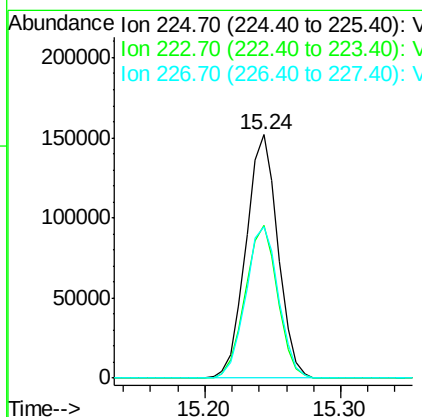
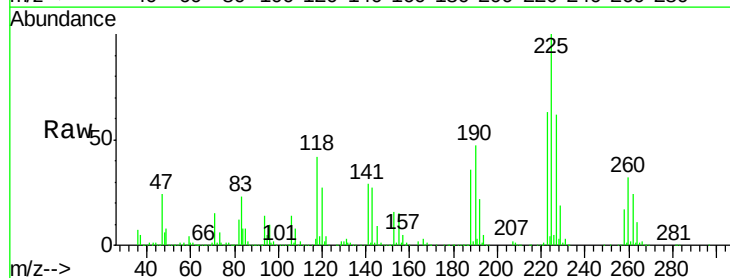
Manual Integrations  
 APPROVED

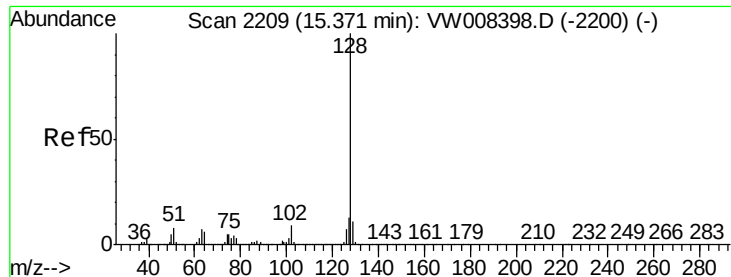
sam  
 1/25/2019 1:43:14 PM



#94  
 Hexachlorobutadiene  
 Concen: 52.727 ug/l  
 RT: 15.24 min Scan# 2188  
 Delta R.T. 0.00 min  
 Lab File: VW008403.D  
 Acq: 24 Jan 2019 18:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 250645 |       |       |
| 223     | 63.3  | 31.7   | 95.1  |       |
| 227     | 63.7  | 32.1   | 96.3  |       |





#95

Naphthalene

Concen: 53.460 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW008403.D

Acq: 24 Jan 2019 18:43

Instrument :

MSVOA\_W

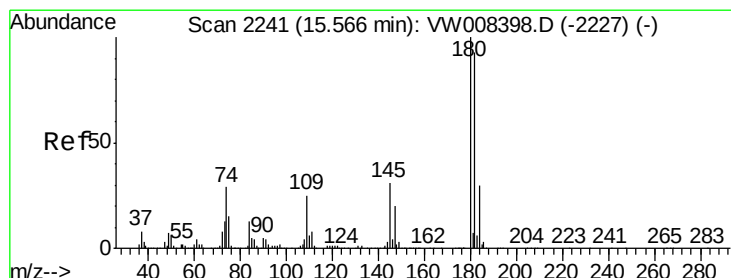
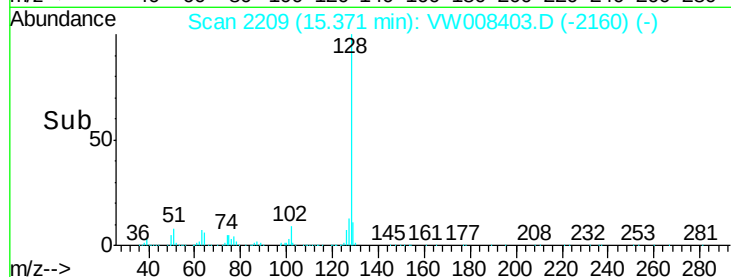
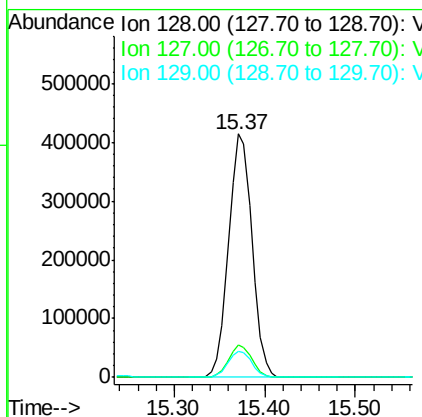
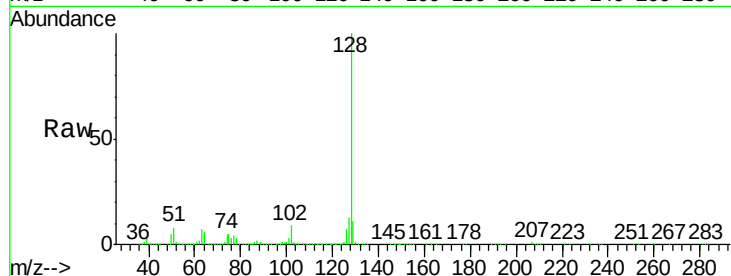
ClientSampled :

ICVW012419

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 128  | Resp: | 740408 |
| Ion Ratio |      | Lower | Upper  |
| 128       | 100  |       |        |
| 127       | 13.3 | 10.6  | 15.8   |
| 129       | 10.8 | 8.7   | 13.1   |

Manual Integrations  
APPROVED

sam  
1/25/2019 1:43:14 PM



#96

1,2,3-Trichlorobenzene

Concen: 52.286 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.01 min

Lab File: VW008403.D

Acq: 24 Jan 2019 18:43

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 180  | Resp: | 349846 |
| Ion Ratio |      | Lower | Upper  |
| 180       | 100  |       |        |
| 182       | 96.6 | 47.0  | 141.2  |
| 145       | 33.2 | 15.9  | 47.6   |

