

Data Path : C:\DOCUMENTS AND SETTINGS\EUSER\DESKTOP\VW030819\  
 Data File : VW009055.D  
 Acq On : 08 Mar 2019 15:28  
 Operator : SY/VA  
 Sample : VW0308SBS01  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0308SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 3/11/2019 2:53:23 PM

Quant Time: Mar 09 03:44:19 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W030719S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 08 05:22:30 2019  
 Response via : Initial Calibration

| Internal Standards            | R.T.   | QIon | Response | Conc   | Units   | Dev(Min) |
|-------------------------------|--------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene         | 7.95   | 168  | 292602   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.84   | 114  | 425317   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5          | 11.63  | 117  | 409568   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.56  | 152  | 218332   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4     | 8.31   | 65   | 143611   | 48.78  | ug/l    | 0.00     |
| Spiked Amount                 | 50.000 |      | Recovery | =      | 97.56%  |          |
| 35) Dibromofluoromethane      | 7.88   | 113  | 126065   | 49.23  | ug/l    | 0.00     |
| Spiked Amount                 | 50.000 |      | Recovery | =      | 98.46%  |          |
| 50) Toluene-d8                | 10.32  | 98   | 529449   | 50.34  | ug/l    | 0.00     |
| Spiked Amount                 | 50.000 |      | Recovery | =      | 100.68% |          |
| 62) 4-Bromofluorobenzene      | 12.62  | 95   | 196152   | 47.38  | ug/l    | 0.00     |
| Spiked Amount                 | 50.000 |      | Recovery | =      | 94.76%  |          |
| Target Compounds              |        |      |          |        |         |          |
|                               |        |      |          |        | Qvalue  |          |
| 2) Dichlorodifluoromethane    | 2.00   | 85   | 63579    | 21.561 | ug/l    | 100      |
| 3) Chloromethane              | 2.21   | 50   | 76315    | 20.372 | ug/l    | 94       |
| 4) Vinyl Chloride             | 2.35   | 62   | 74248    | 19.530 | ug/l    | 99       |
| 5) Bromomethane               | 2.77   | 94   | 75873    | 23.643 | ug/l    | 98       |
| 6) Chloroethane               | 2.91   | 64   | 50350    | 18.604 | ug/l    | 97       |
| 7) Trichlorofluoromethane     | 3.25   | 101  | 98594    | 20.142 | ug/l    | 92       |
| 8) Diethyl Ether              | 3.69   | 74   | 27593    | 18.436 | ug/l    | 93       |
| 9) 1,1,2-Trichlorotrifluoroet | 4.06   | 101  | 61784    | 20.266 | ug/l    | 100      |
| 10) Methyl Iodide             | 4.27   | 142  | 50074    | 17.364 | ug/l    | 97       |
| 11) Tert butyl alcohol        | 5.21   | 59   | 19188m   | 85.057 | ug/l    |          |
| 12) 1,1-Dichloroethene        | 4.04   | 96   | 51529    | 19.595 | ug/l    | 98       |
| 13) Acrolein                  | 3.90   | 56   | 21220    | 85.482 | ug/l    | 97       |
| 14) Allyl chloride            | 4.67   | 41   | 89166    | 19.222 | ug/l    | 98       |
| 15) Acrylonitrile             | 5.38   | 53   | 54723    | 83.773 | ug/l    | 98       |
| 16) Acetone                   | 4.14   | 43   | 58801    | 88.515 | ug/l    | 99       |
| 17) Carbon Disulfide          | 4.37   | 76   | 174126   | 19.680 | ug/l    | 100      |
| 18) Methyl Acetate            | 4.68   | 43   | 24720    | 16.182 | ug/l    | 98       |
| 19) Methyl tert-butyl Ether   | 5.43   | 73   | 124258   | 17.862 | ug/l    | 96       |
| 20) Methylene Chloride        | 4.91   | 84   | 64703    | 17.139 | ug/l    | 93       |
| 21) trans-1,2-Dichloroethene  | 5.42   | 96   | 58485    | 19.261 | ug/l    | 97       |
| 22) Diisopropyl ether         | 6.31   | 45   | 176871   | 19.187 | ug/l    | 98       |
| 23) Vinyl Acetate             | 6.26   | 43   | 512810   | 89.395 | ug/l    | 99       |
| 24) 1,1-Dichloroethane        | 6.21   | 63   | 104769   | 19.595 | ug/l    | 99       |
| 25) 2-Butanone                | 7.18   | 43   | 76038    | 82.822 | ug/l    | 95       |
| 26) 2,2-Dichloropropane       | 7.16   | 77   | 96700    | 19.897 | ug/l    | 99       |
| 27) cis-1,2-Dichloroethene    | 7.16   | 96   | 61104    | 18.737 | ug/l    | 95       |
| 28) Bromochloromethane        | 7.51   | 49   | 42824    | 19.256 | ug/l    | 96       |
| 29) Tetrahydrofuran           | 7.53   | 42   | 44362    | 76.677 | ug/l    | 97       |
| 30) Chloroform                | 7.67   | 83   | 105660   | 19.194 | ug/l    | 95       |
| 31) Cyclohexane               | 7.95   | 56   | 108128   | 19.695 | ug/l    | 96       |
| 32) 1,1,1-Trichloroethane     | 7.87   | 97   | 100025   | 19.689 | ug/l    | 99       |
| 36) 1,1-Dichloropropene       | 8.08   | 75   | 87536    | 19.683 | ug/l    | 99       |
| 37) Ethyl Acetate             | 7.25   | 43   | 32808    | 15.706 | ug/l    | 99       |
| 38) Carbon Tetrachloride      | 8.07   | 117  | 91001    | 19.814 | ug/l    | 99       |

Data Path : C:\DOCUMENTS AND SETTINGS\EUSER\DESKTOP\VW030819\  
 Data File : VW009055.D  
 Acq On : 08 Mar 2019 15:28  
 Operator : SY/VA  
 Sample : VW0308SBS01  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0308SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 3/11/2019 2:53:23 PM

Quant Time: Mar 09 03:44:19 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W030719S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 08 05:22:30 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.34  | 83   | 103356   | 19.512  | ug/l   | 97       |
| 40) Benzene                    | 8.32  | 78   | 230371   | 19.405  | ug/l   | 97       |
| 41) Methacrylonitrile          | 7.48  | 41   | 20042    | 17.278  | ug/l   | 90       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 69953    | 18.252  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.43  | 43   | 64174    | 16.495  | ug/l   | 98       |
| 44) Trichloroethene            | 9.09  | 130  | 65215    | 19.600  | ug/l   | 90       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 56715    | 19.075  | ug/l   | 97       |
| 46) Dibromomethane             | 9.46  | 93   | 28384    | 17.480  | ug/l   | 97       |
| 47) Bromodichloromethane       | 9.65  | 83   | 76637    | 18.644  | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.44  | 41   | 32255    | 17.805  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.47  | 88   | 7581     | 326.023 | ug/l # | 76       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 155858   | 78.912  | ug/l   | 98       |
| 52) Toluene                    | 10.39 | 92   | 155281   | 19.287  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene      | 10.60 | 75   | 73901    | 18.178  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 10.07 | 75   | 86757    | 18.570  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 40298    | 18.310  | ug/l   | 95       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 45525    | 16.667  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 70633    | 18.116  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 9.93  | 63   | 117408   | 82.913  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.97 | 43   | 113412   | 81.670  | ug/l   | 97       |
| 60) Dibromochloromethane       | 11.13 | 129  | 49187    | 18.059  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 11.23 | 107  | 37579    | 17.417  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.86 | 164  | 55895    | 18.924  | ug/l   | 93       |
| 65) Chlorobenzene              | 11.66 | 112  | 170610   | 19.138  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.73 | 131  | 57300    | 19.250  | ug/l   | 96       |
| 67) Ethyl Benzene              | 11.73 | 91   | 306364   | 19.023  | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.84 | 106  | 245013   | 38.543  | ug/l   | 98       |
| 69) o-Xylene                   | 12.16 | 106  | 112469   | 19.015  | ug/l   | 96       |
| 70) Styrene                    | 12.18 | 104  | 179839   | 18.792  | ug/l   | 100      |
| 71) Bromoform                  | 12.35 | 173  | 28365    | 17.747  | ug/l # | 96       |
| 73) Isopropylbenzene           | 12.46 | 105  | 309199   | 19.776  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.27 | 43   | 62831    | 16.975  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.71 | 83   | 44688    | 18.120  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 31987m   | 18.543  | ug/l   |          |
| 77) Bromobenzene               | 12.75 | 156  | 70394    | 19.705  | ug/l   | 95       |
| 78) n-propylbenzene            | 12.80 | 91   | 381826   | 19.826  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.90 | 91   | 212530   | 19.642  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.94 | 105  | 263342   | 19.540  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.51 | 75   | 13123    | 17.016  | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 222661   | 19.305  | ug/l   | 98       |
| 83) tert-Butylbenzene          | 13.21 | 119  | 230335   | 20.264  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.26 | 105  | 266978   | 19.583  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 13.38 | 105  | 331779   | 19.701  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.50 | 119  | 291708   | 19.363  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.50 | 146  | 146010   | 19.448  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 145134   | 19.561  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.83 | 91   | 279579   | 19.521  | ug/l   | 99       |
| 90) Hexachloroethane           | 14.10 | 117  | 50262    | 19.344  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 13.87 | 146  | 127892   | 19.308  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.49 | 75   | 8136     | 18.522  | ug/l   | 92       |

Data Path : C:\DOCUMENTS AND SETTINGS\EUSER\DESKTOP\VW030819\  
Data File : VW009055.D  
Acq On : 08 Mar 2019 15:28  
Operator : SY/VA  
Sample : VW0308SBS01  
Misc : 5.00G/5ML/MSVOA W/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0308SBS01

Manual Integrations  
APPROVED

MMDadoda  
3/11/2019 2:53:23 PM

Quant Time: Mar 09 03:44:19 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W030719S.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 08 05:22:30 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.14 | 180  | 85534    | 19.120 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.24 | 225  | 55954    | 19.969 | ug/l  | 99       |
| 95) Naphthalene            | 15.37 | 128  | 127035   | 17.348 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.56 | 180  | 73528    | 18.692 | ug/l  | 96       |

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

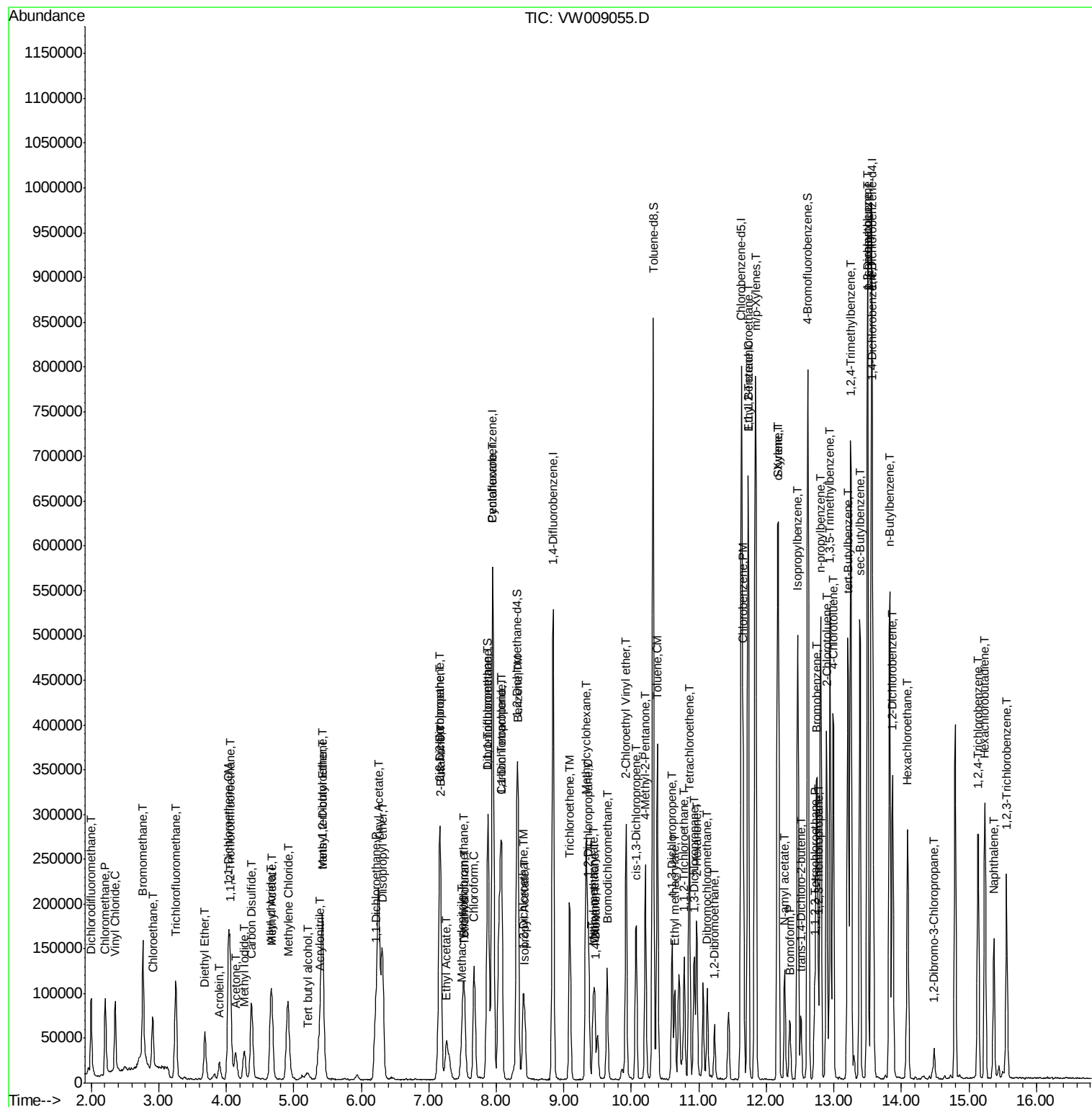
Data Path : C:\DOCUMENTS AND SETTINGS\EUSER\DESKTOP\VW030819\  
Data File : VW009055.D  
Acq On : 08 Mar 2019 15:28  
Operator : SY/VA  
Sample : VW0308SBS01  
Misc : 5.00G/5ML/MSVOA W/SOIL  
ALS Vial : 4 Sample Multiplier: 1

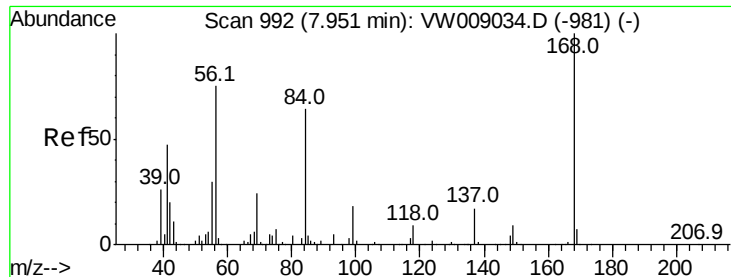
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0308SBS01

Manual Integrations  
APPROVED

MMDadoda  
3/11/2019 2:53:23 PM

Quant Time: Mar 09 03:44:19 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W030719S.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 08 05:22:30 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW009055.D

Acq: 08 Mar 2019 15:28

Instrument :

MSVOA\_W

ClientSampleId :

VW0308SBS01

Tot Ion:168 Resp: 292602

Ion Ratio Lower Upper

168 100

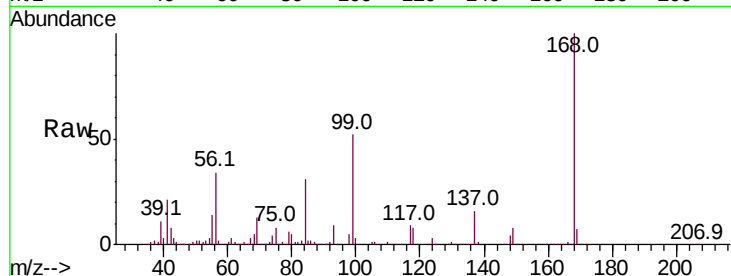
99 51.5 42.2 63.2

Manual Integrations

APPROVED

MMDadoda

3/11/2019 2:53:23 PM



Abundance Ion 167.90 (167.60 to 168.60): V

150000 Ion 98.90 (98.60 to 99.60): VW

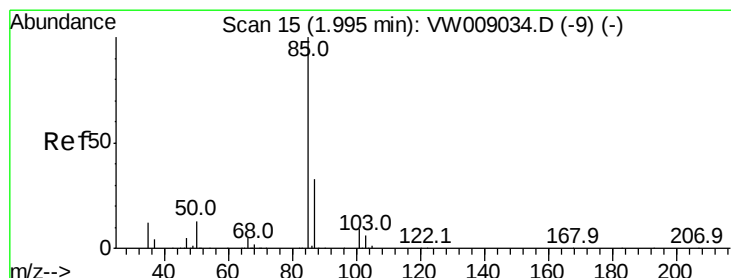
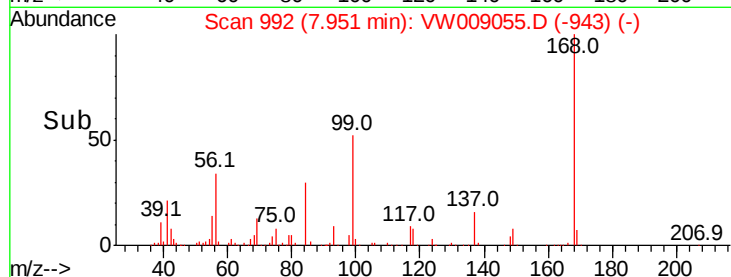
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 21.561 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW009055.D

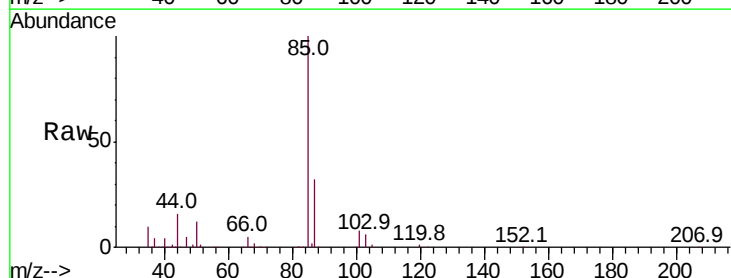
Acq: 08 Mar 2019 15:28

Tgt Ion: 85 Resp: 63579

Ion Ratio Lower Upper

85 100

87 32.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

50000 Ion 86.90 (86.60 to 87.60): VW

2.00

40000

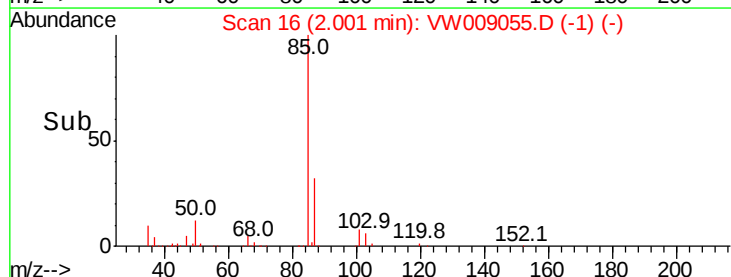
30000

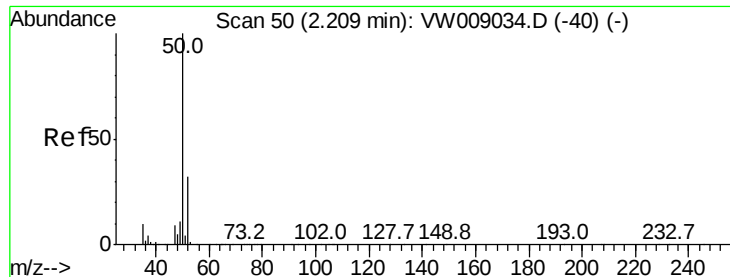
20000

10000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 20.372 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW009055.D

Acq: 08 Mar 2019 15:28

Instrument :

MSVOA\_W

ClientSampleId :

VW0308SBS01

Tot Ion: 50 Resp: 76315

Ion Ratio Lower Upper

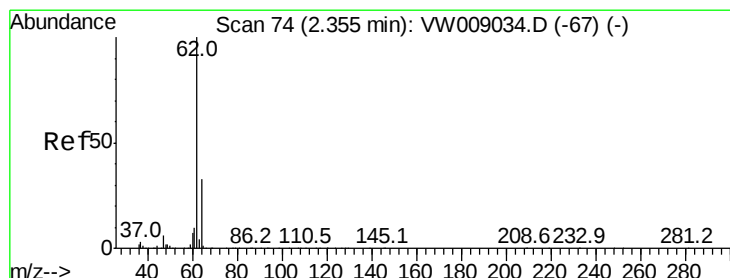
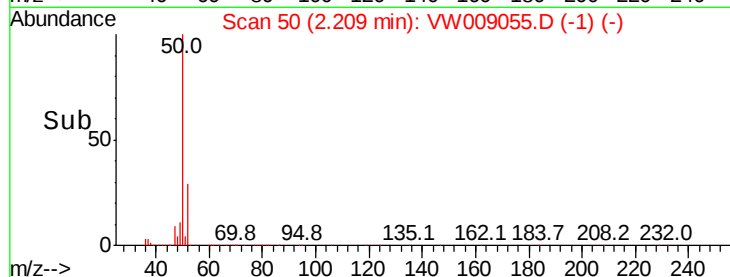
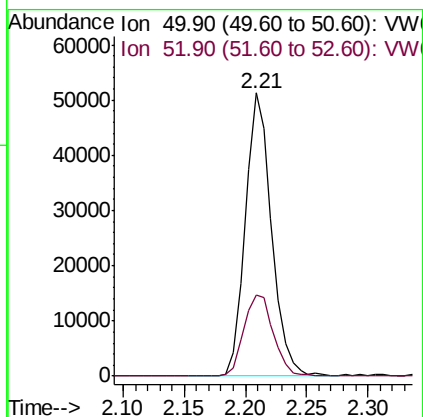
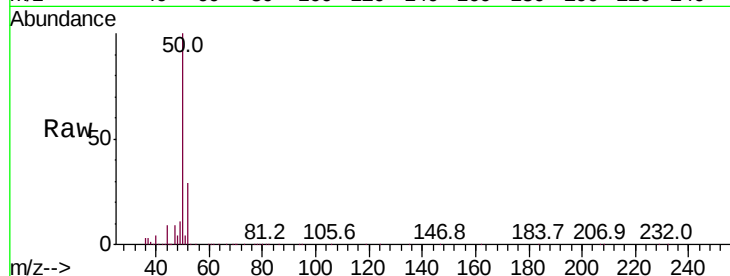
50 100

52 28.5 25.4 38.2

Manual Integrations  
APPROVED

MMDadoda

3/11/2019 2:53:23 PM



#4

Vinyl Chloride

Concen: 19.530 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW009055.D

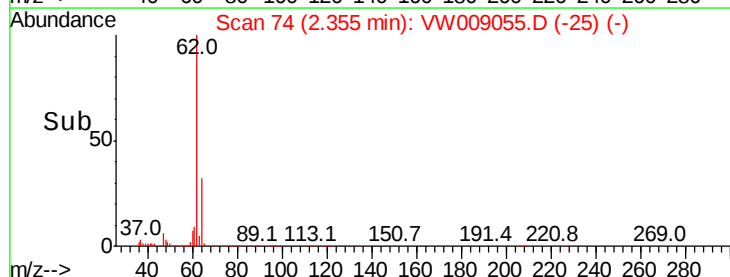
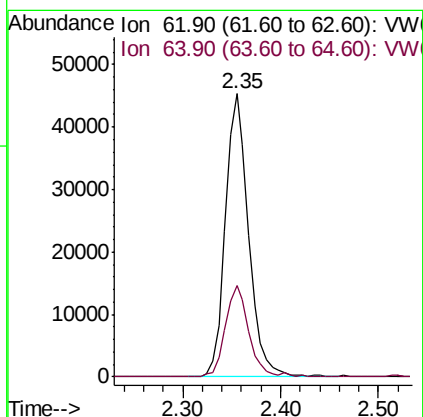
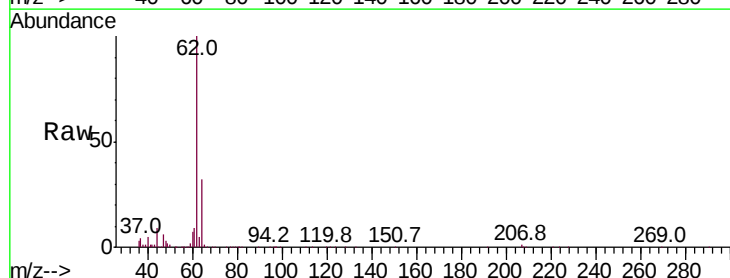
Acq: 08 Mar 2019 15:28

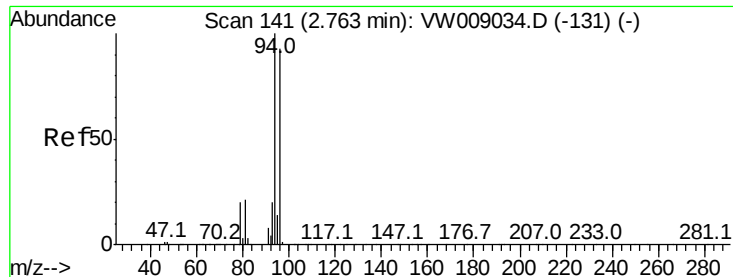
Tgt Ion: 62 Resp: 74248

Ion Ratio Lower Upper

62 100

64 32.0 26.0 39.0





#5

Bromomethane

Concen: 23.643 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.01 min

Lab File: VW009055.D

Acq: 08 Mar 2019 15:28

Instrument :

MSVOA\_W

ClientSampleId :

VW0308SBS01

Tot Ion: 94 Resp: 75873

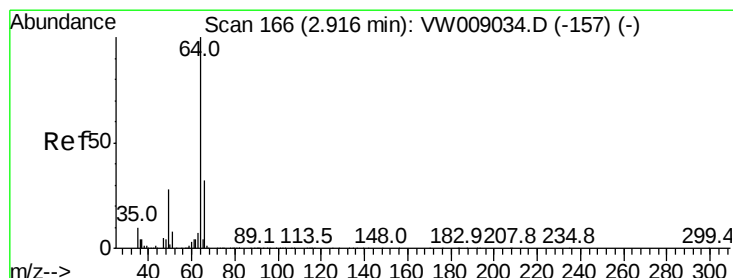
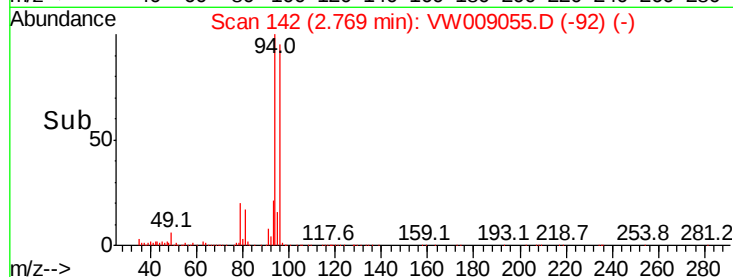
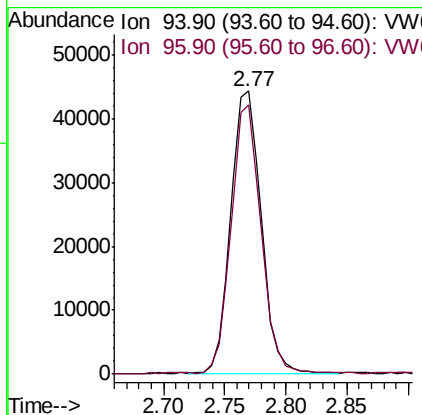
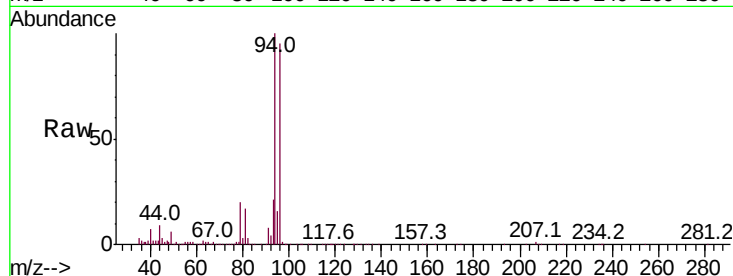
Ion Ratio Lower Upper

94 100

96 94.9 74.4 111.6

Manual Integrations  
APPROVED

MMDadoda  
3/11/2019 2:53:23 PM



#6

Chloroethane

Concen: 18.604 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW009055.D

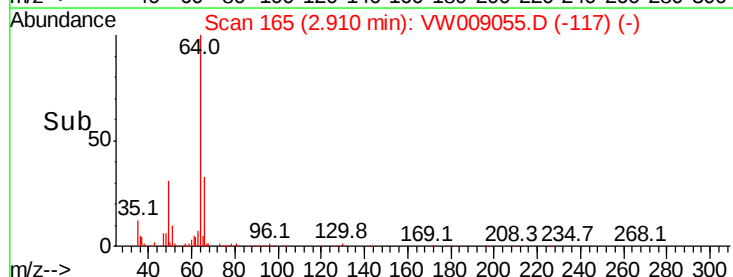
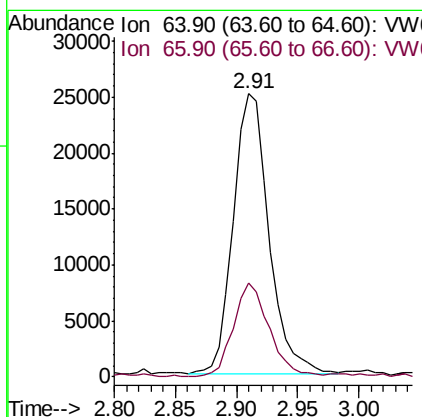
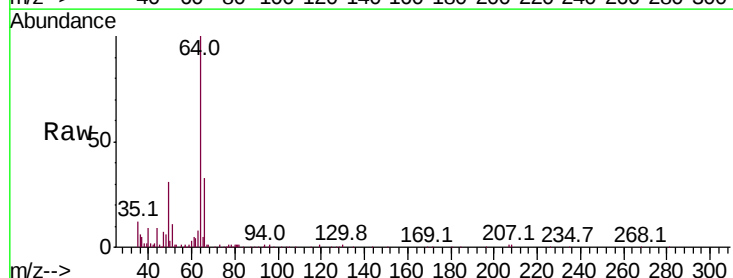
Acq: 08 Mar 2019 15:28

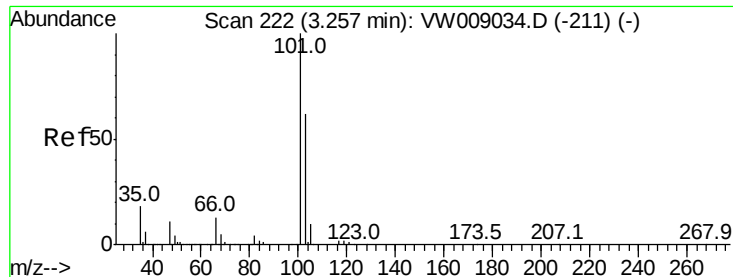
Tgt Ion: 64 Resp: 50350

Ion Ratio Lower Upper

64 100

66 33.8 25.5 38.3





#7

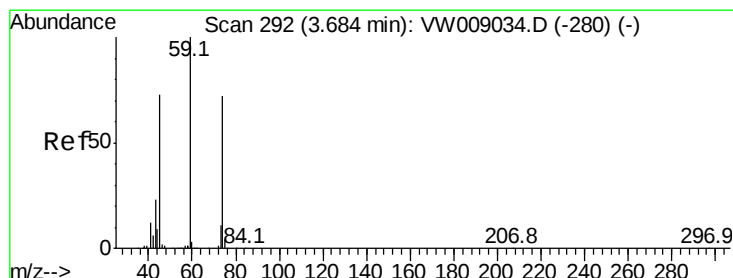
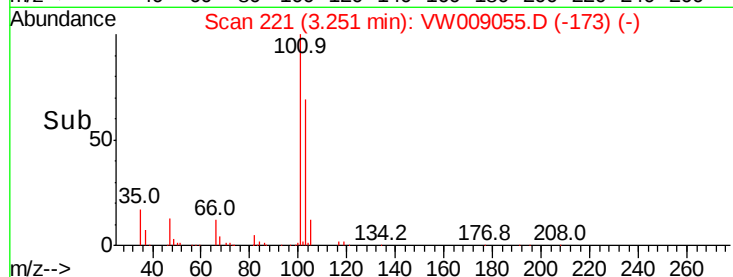
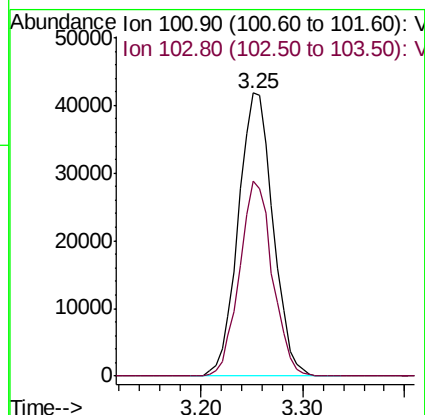
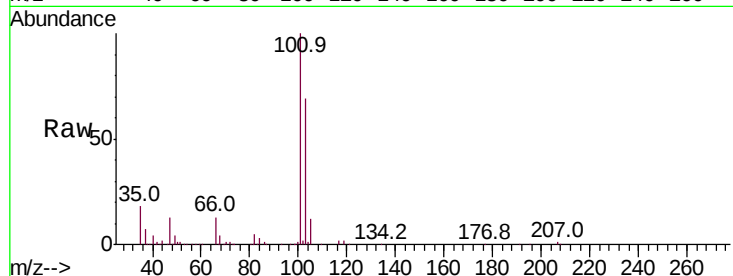
Trichlorofluoromethane  
Concen: 20.142 ug/l  
RT: 3.25 min Scan# 221  
Delta R.T. -0.01 min  
Lab File: VW009055.D  
Acq: 08 Mar 2019 15:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0308SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 68.8  | 49.9  | 74.9  |

Manual Integrations  
APPROVED

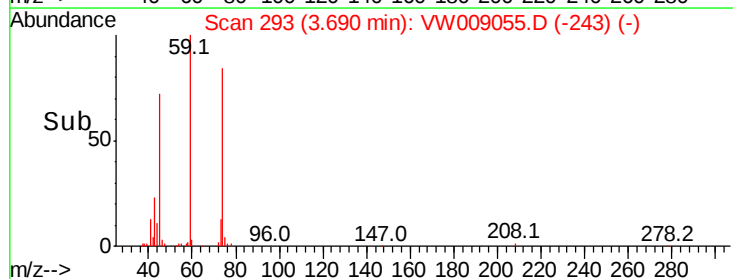
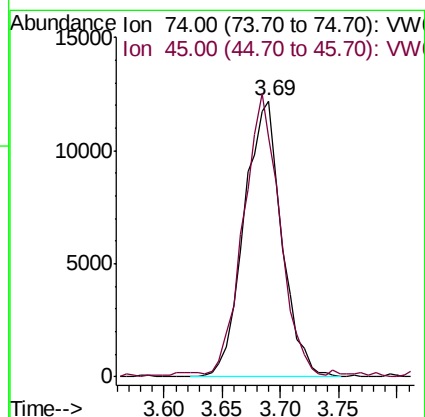
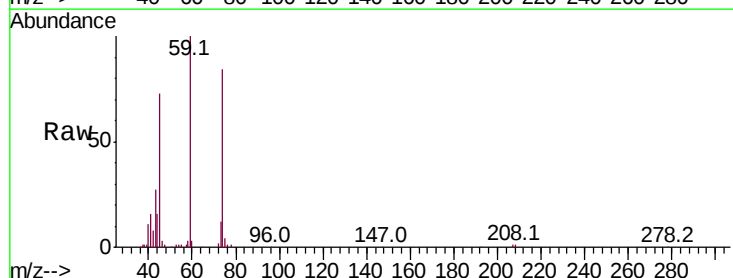
MMDadoda  
3/11/2019 2:53:23 PM

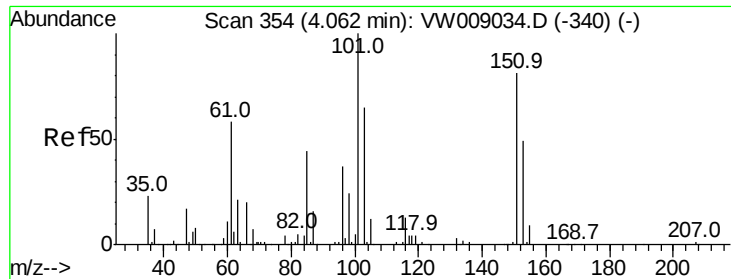


#8

Diethyl Ether  
Concen: 18.436 ug/l  
RT: 3.69 min Scan# 293  
Delta R.T. 0.01 min  
Lab File: VW009055.D  
Acq: 08 Mar 2019 15:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 97.4  | 52.3  | 157.1 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.266 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW009055.D

Acq: 08 Mar 2019 15:28

Instrument :

MSVOA\_W

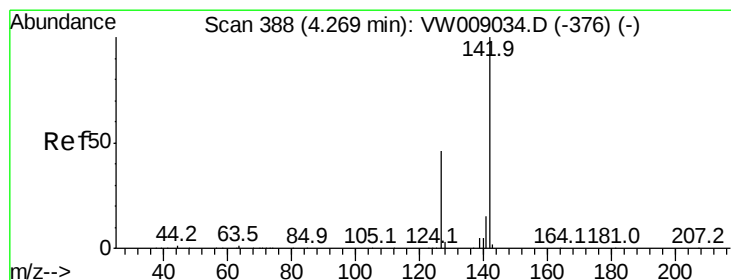
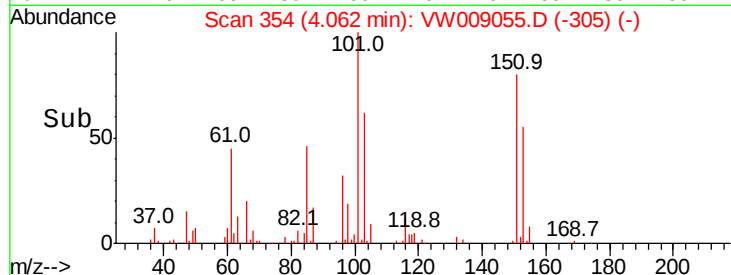
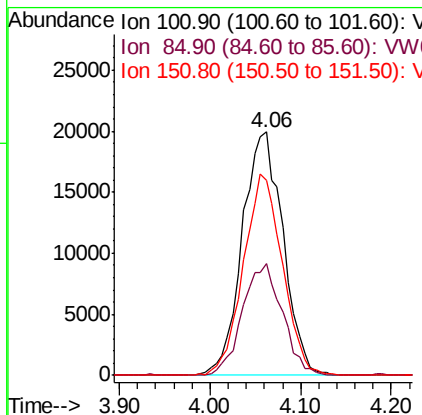
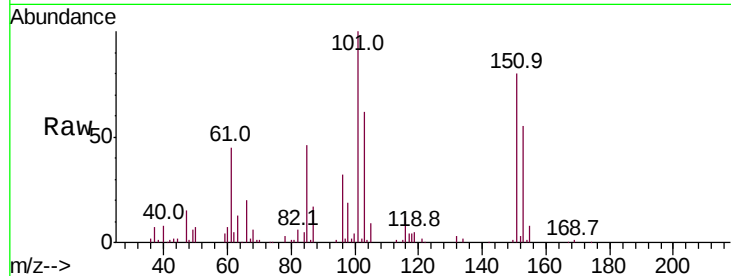
ClientSampleId :

VW0308SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 61784 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 45.2  | 36.2  | 54.4  |
| 151       | 79.6  | 63.4  | 95.2  |

Manual Integrations  
APPROVED

MMDadoda  
3/11/2019 2:53:23 PM



#10

Methyl Iodide

Concen: 17.364 ug/l

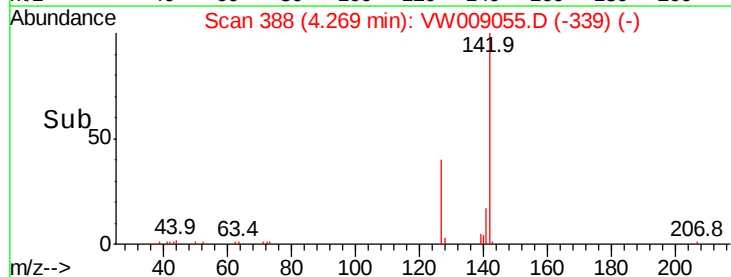
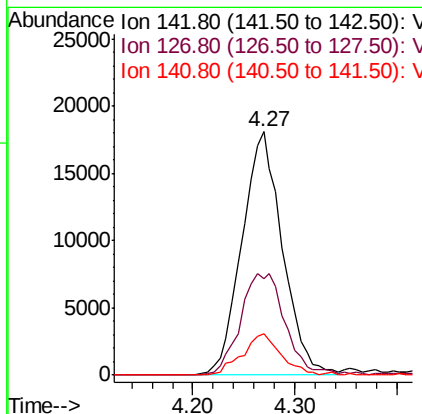
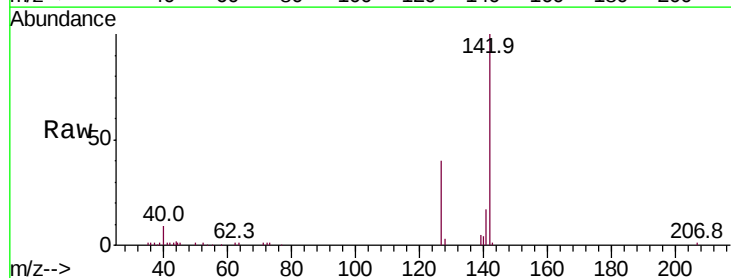
RT: 4.27 min Scan# 388

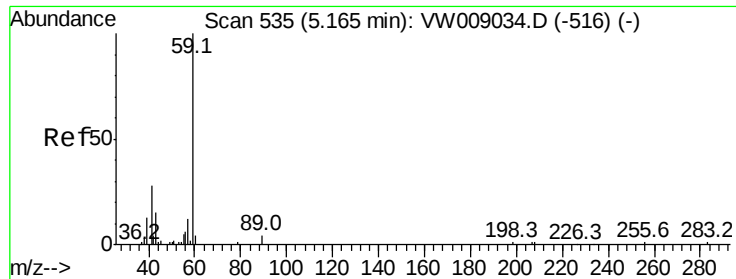
Delta R.T. 0.00 min

Lab File: VW009055.D

Acq: 08 Mar 2019 15:28

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 50074 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 46.3  | 35.8  | 53.6  |
| 141       | 16.4  | 11.8  | 17.8  |





#11

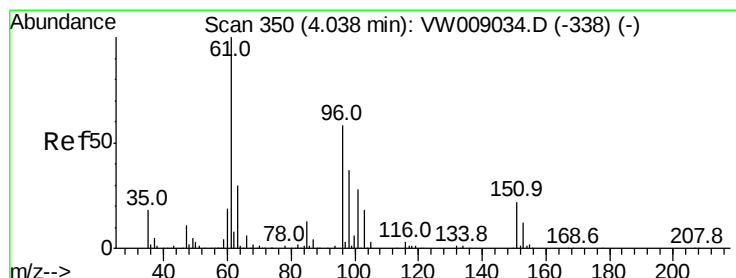
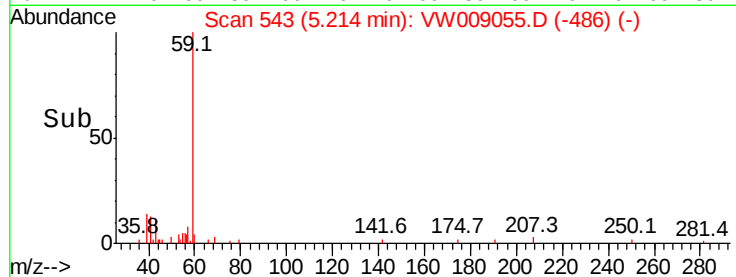
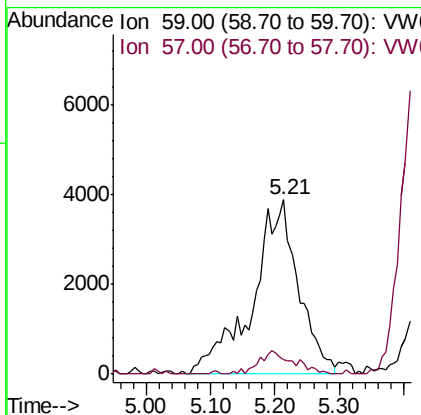
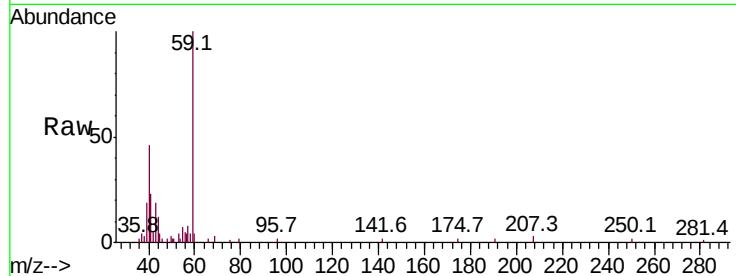
Tert butyl alcohol  
 Concen: 85.057 ug/l m  
 RT: 5.21 min Scan# 543  
 Delta R.T. 0.05 min  
 Lab File: VW009055.D  
 Acq: 08 Mar 2019 15:28

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0308SBS01

| Tot Ion | Ion | Ratio | Resp  | Lower | Upper |
|---------|-----|-------|-------|-------|-------|
| 59      | 100 |       | 19188 |       |       |
| 57      | 0.0 |       | 8.6   | 12.8  |       |

Manual Integrations  
 APPROVED

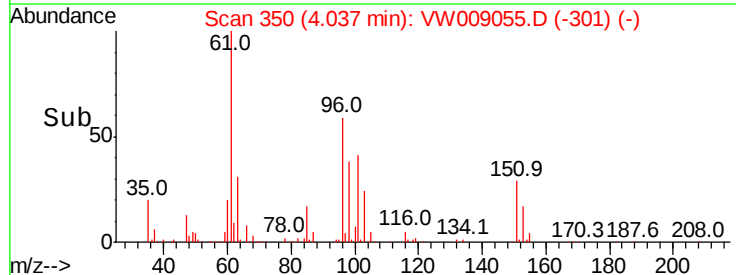
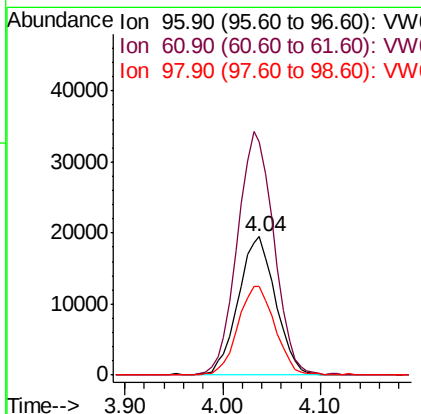
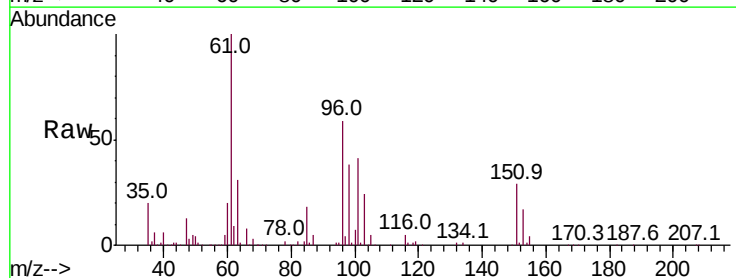
MMDadoda  
 3/11/2019 2:53:23 PM

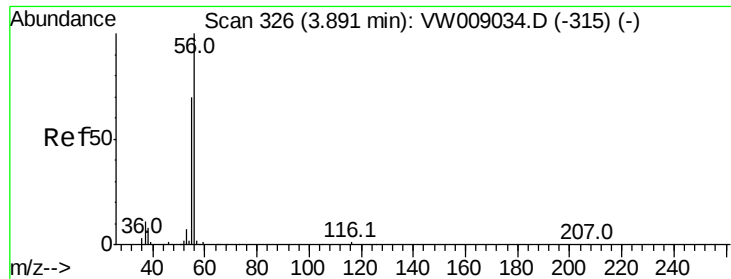


#12

1,1-Dichloroethene  
 Concen: 19.595 ug/l  
 RT: 4.04 min Scan# 350  
 Delta R.T. -0.00 min  
 Lab File: VW009055.D  
 Acq: 08 Mar 2019 15:28

| Tgt Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 96      | 100   |       | 51529 |       |       |
| 61      | 168.3 |       | 138.2 | 207.2 |       |
| 98      | 63.7  |       | 51.3  | 76.9  |       |





#13

Acrolein

Concen: 85.482 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW009055.D

Acq: 08 Mar 2019 15:28

Instrument :

MSVOA\_W

ClientSampled :

VW0308SBS01

Tot Ion: 56 Resp: 21220

Ion Ratio Lower Upper

56 100

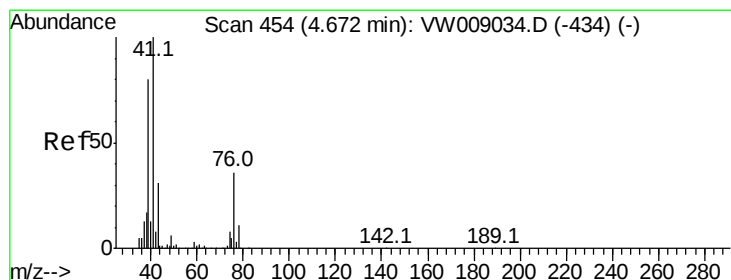
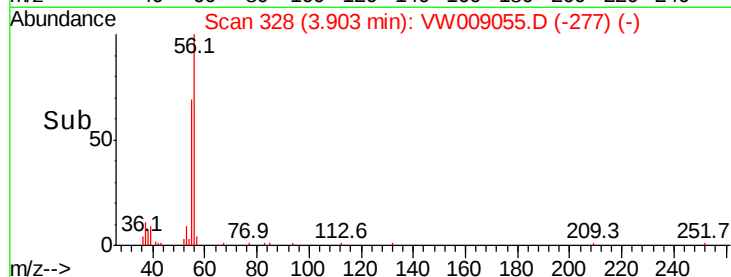
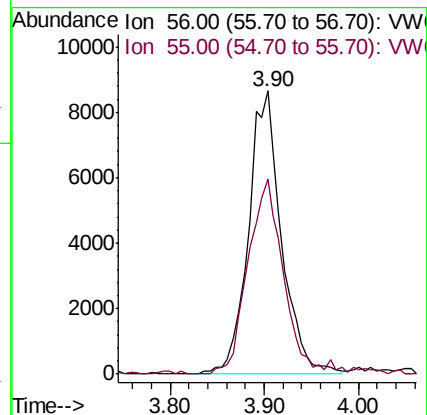
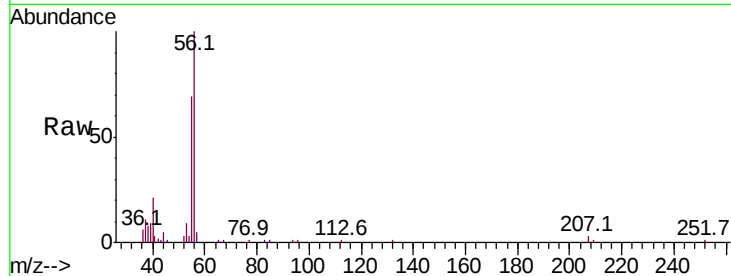
55 73.2 56.6 84.8

Manual Integrations

APPROVED

MMDadoda

3/11/2019 2:53:23 PM



#14

Allyl chloride

Concen: 19.222 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW009055.D

Acq: 08 Mar 2019 15:28

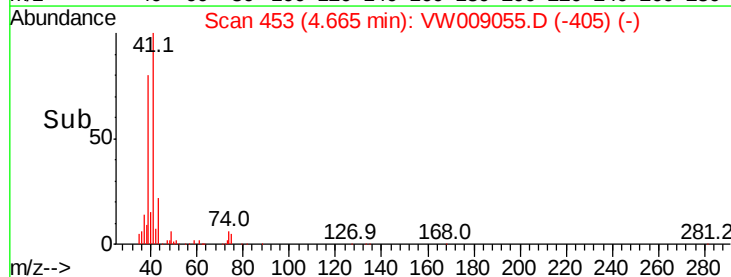
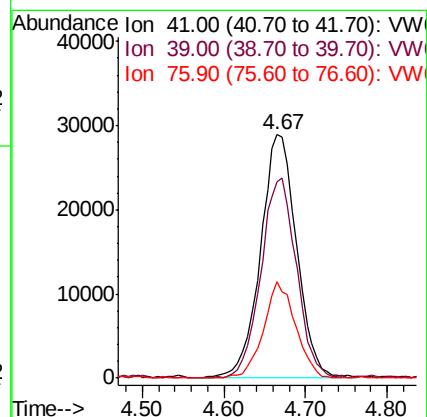
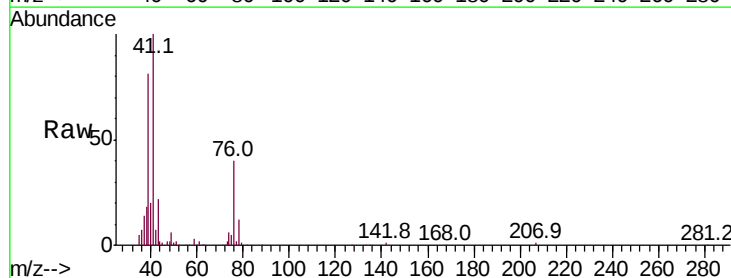
Tgt Ion: 41 Resp: 89166

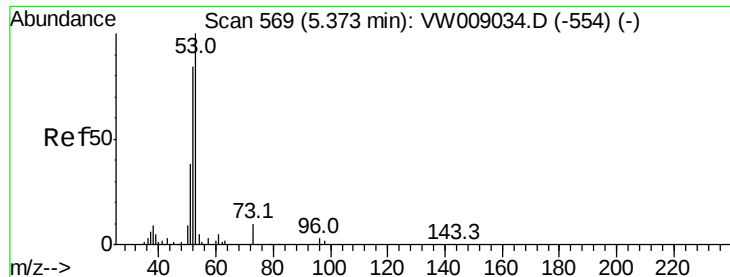
Ion Ratio Lower Upper

41 100

39 81.0 63.0 94.4

76 35.2 28.2 42.2





#15

Acrylonitrile

Concen: 83.773 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW009055.D

Acq: 08 Mar 2019 15:28

Instrument :

MSVOA\_W

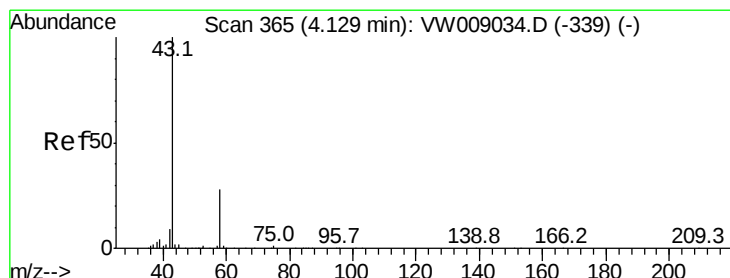
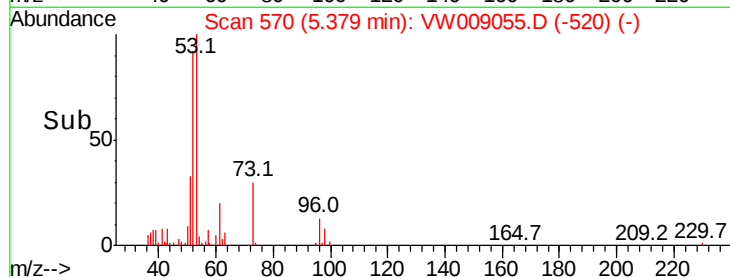
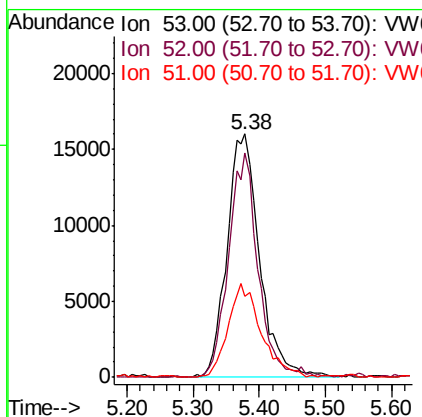
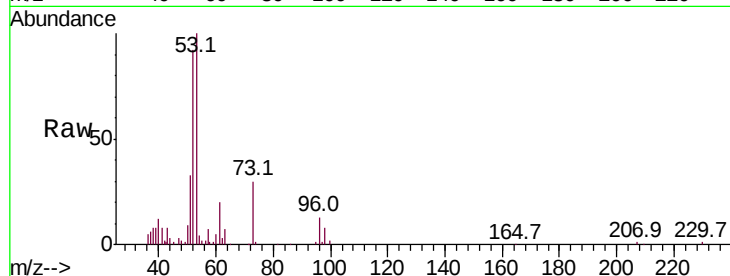
ClientSampleId :

VW0308SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 54723 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 82.1  | 67.2  | 100.8 |
| 51       | 39.2  | 31.8  | 47.6  |

Manual Integrations  
APPROVED

MMDadoda  
3/11/2019 2:53:23 PM



#16

Acetone

Concen: 88.515 ug/l

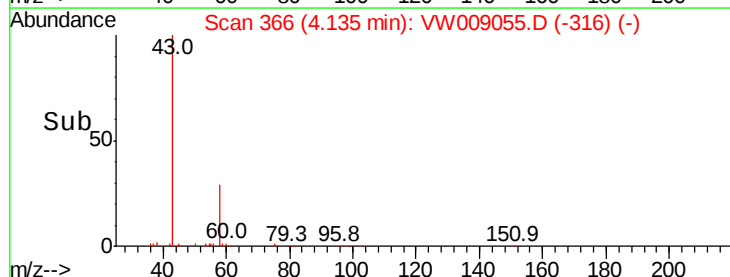
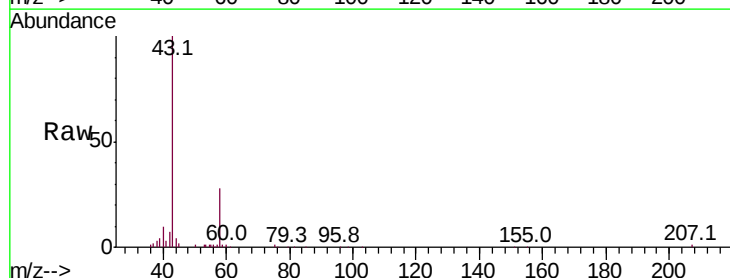
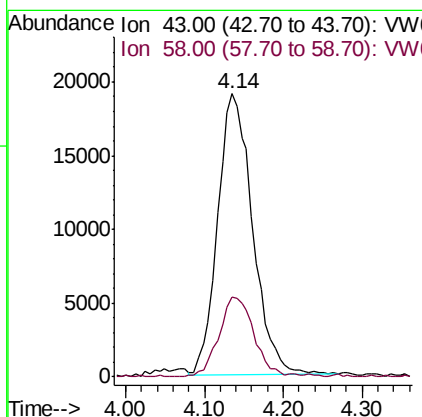
RT: 4.14 min Scan# 366

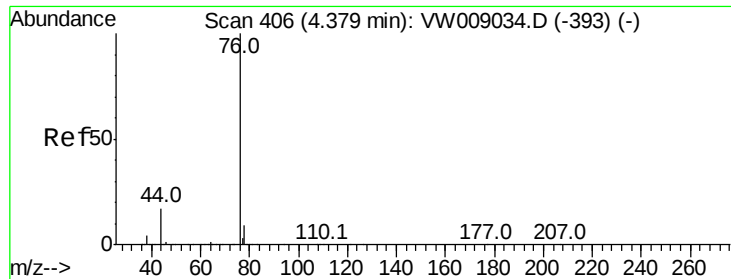
Delta R.T. 0.01 min

Lab File: VW009055.D

Acq: 08 Mar 2019 15:28

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 58801 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 27.5  | 22.5  | 33.7  |





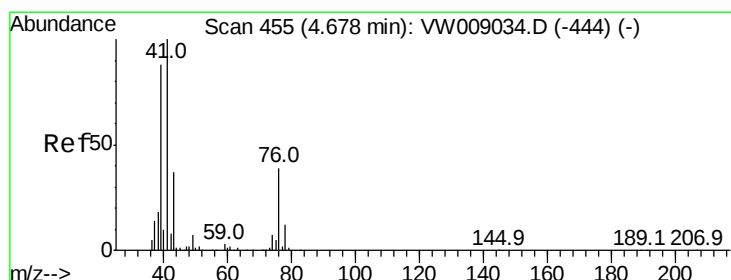
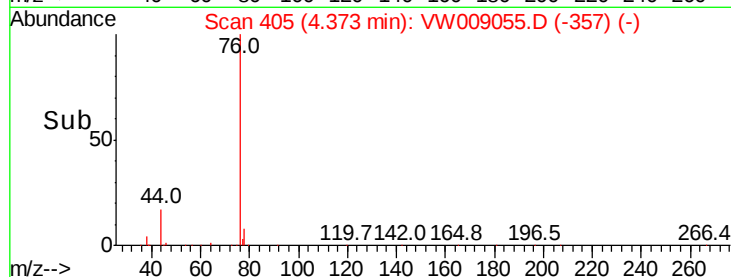
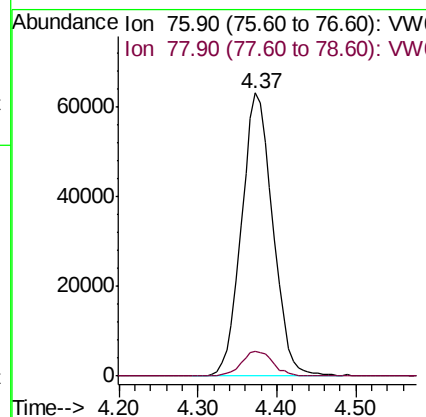
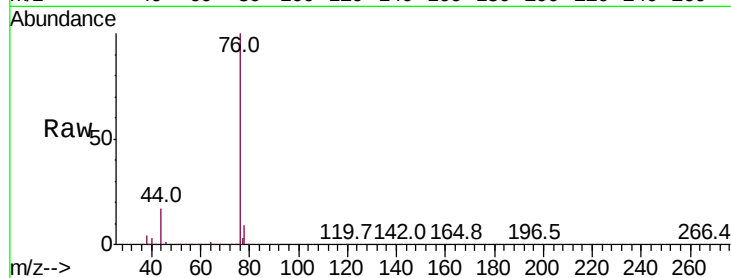
#17  
Carbon Disulfide  
Concen: 19.680 ug/l  
RT: 4.37 min Scan# 405  
Delta R.T. -0.01 min  
Lab File: VW009055.D  
Acq: 08 Mar 2019 15:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0308SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 8.7   | 7.0   | 10.6  |

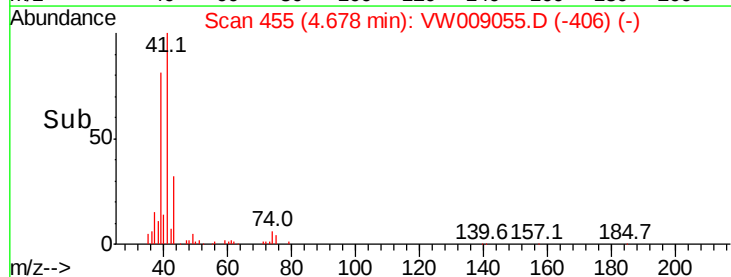
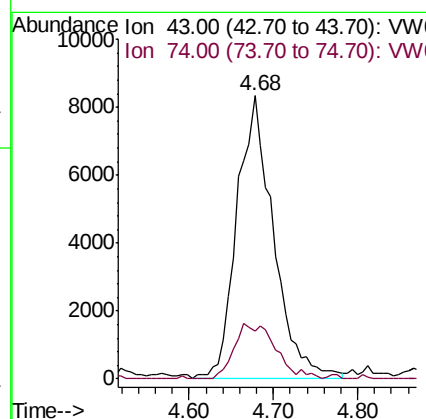
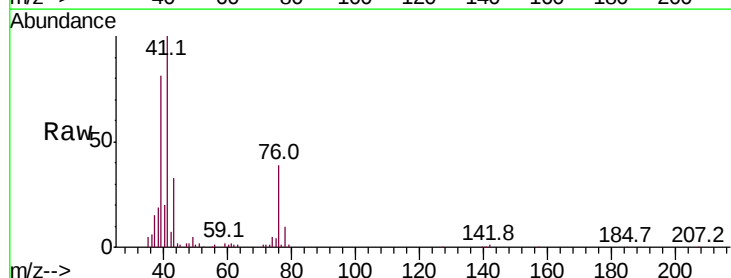
Manual Integrations  
APPROVED

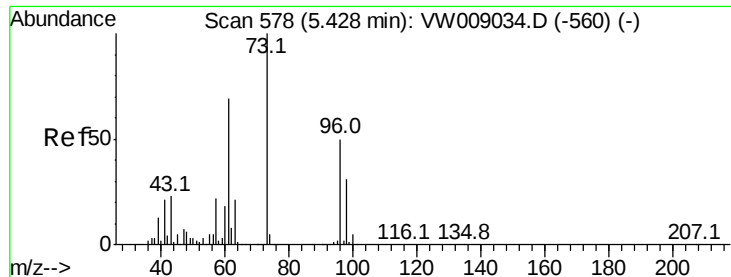
MMDadoda  
3/11/2019 2:53:23 PM



#18  
Methyl Acetate  
Concen: 16.182 ug/l  
RT: 4.68 min Scan# 455  
Delta R.T. -0.00 min  
Lab File: VW009055.D  
Acq: 08 Mar 2019 15:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 20.9  | 17.6  | 26.4  |





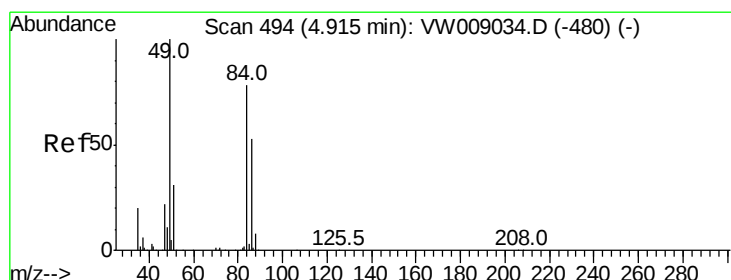
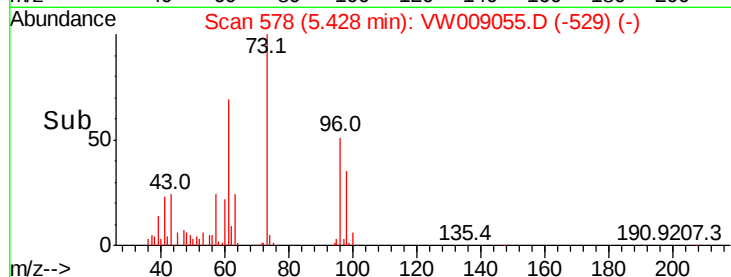
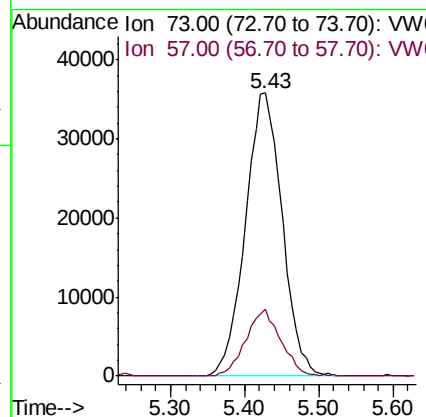
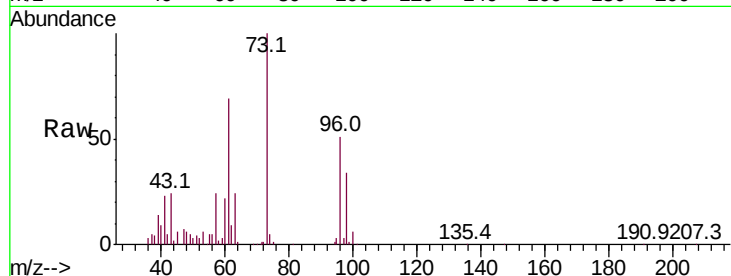
#19  
Methvl tert-butvl Ether  
Concen: 17.862 ug/l  
RT: 5.43 min Scan# 578  
Delta R.T. -0.00 min  
Lab File: VW009055.D  
Acq: 08 Mar 2019 15:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0308SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 23.7  | 17.3  | 25.9  |

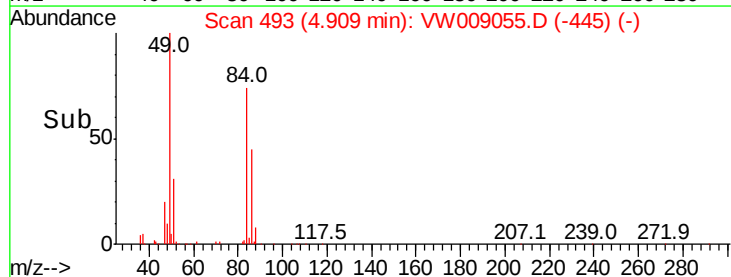
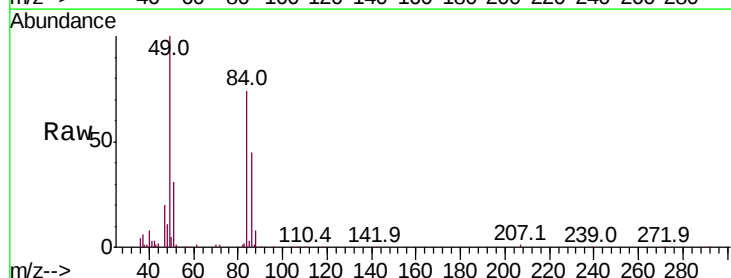
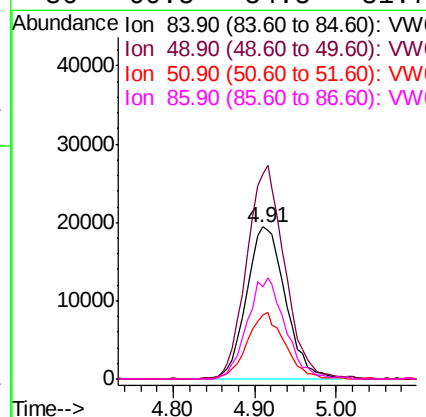
Manual Integrations  
APPROVED

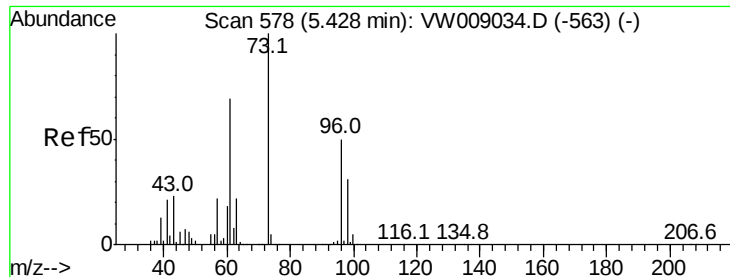
MMDadoda  
3/11/2019 2:53:23 PM



#20  
Methylene Chloride  
Concen: 17.139 ug/l  
RT: 4.91 min Scan# 493  
Delta R.T. -0.01 min  
Lab File: VW009055.D  
Acq: 08 Mar 2019 15:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 134.8 | 102.4 | 153.6 |
| 51      | 42.1  | 31.6  | 47.4  |
| 86      | 60.5  | 54.5  | 81.7  |





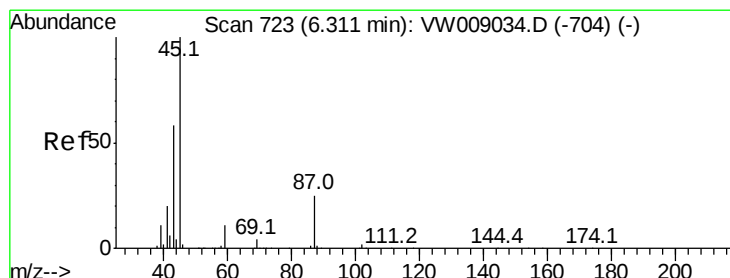
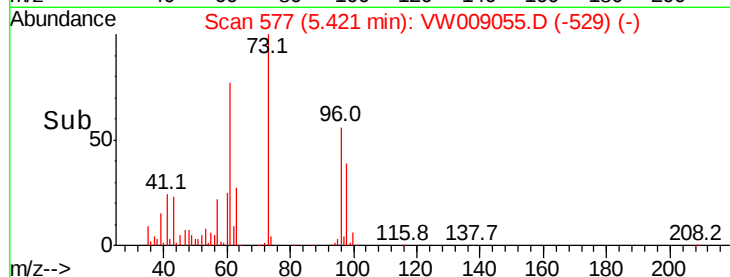
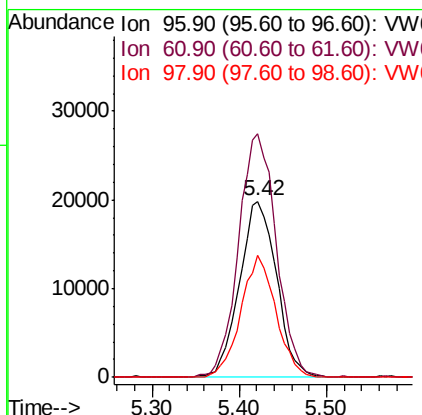
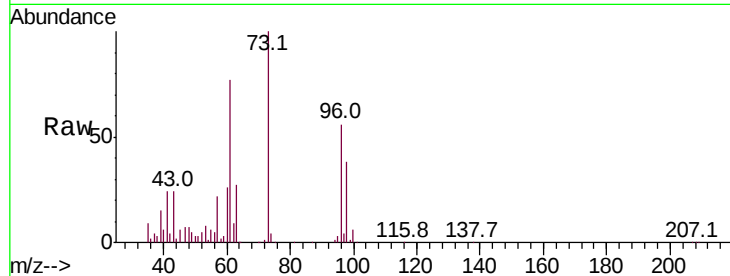
#21  
trans-1,2-Dichloroethene  
Concen: 19.261 ug/l  
RT: 5.42 min Scan# 577  
Delta R.T. -0.01 min  
Lab File: VW009055.D  
Acq: 08 Mar 2019 15:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0308SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 138.4 | 111.0 | 166.6 |
| 98      | 69.1  | 49.4  | 74.0  |

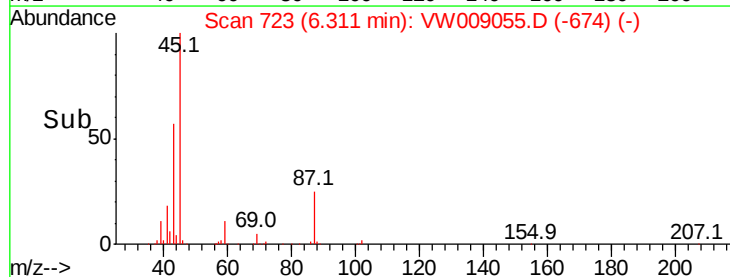
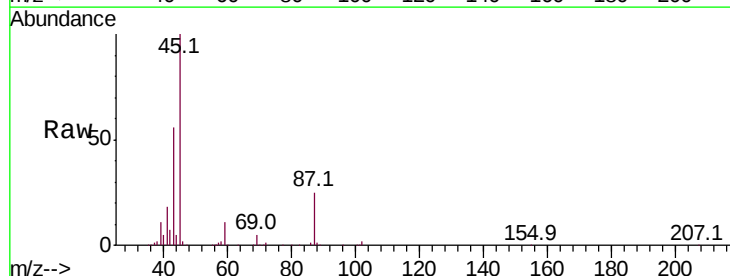
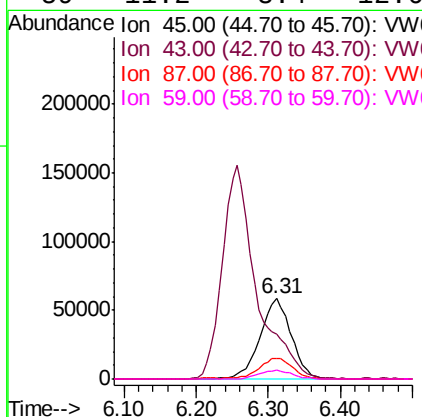
Manual Integrations  
APPROVED

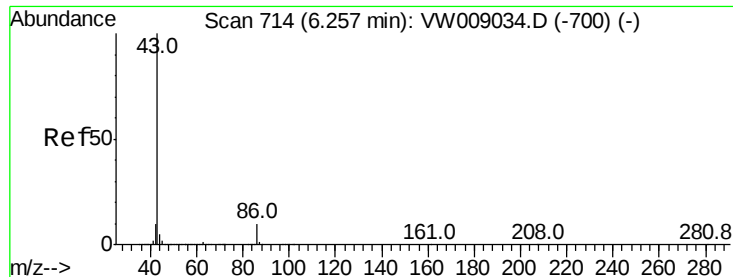
MMDadoda  
3/11/2019 2:53:23 PM



#22  
Diisopropyl ether  
Concen: 19.187 ug/l  
RT: 6.31 min Scan# 723  
Delta R.T. -0.00 min  
Lab File: VW009055.D  
Acq: 08 Mar 2019 15:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 56.2  | 46.2  | 69.4  |
| 87      | 25.3  | 20.1  | 30.1  |
| 59      | 11.2  | 8.4   | 12.6  |





#23

Vinyl Acetate

Concen: 89.395 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW009055.D

Acq: 08 Mar 2019 15:28

Instrument :

MSVOA\_W

ClientSampleId :

VW0308SBS01

Tot Ion: 43 Resp: 512810

Ion Ratio Lower Upper

43 100

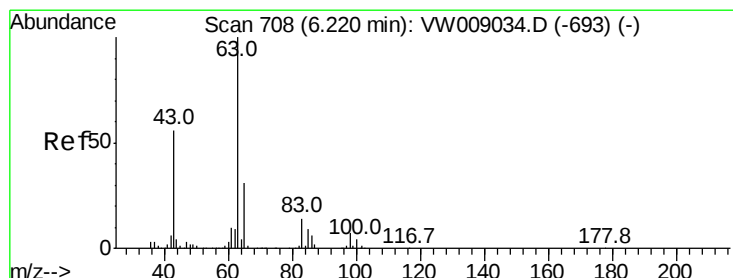
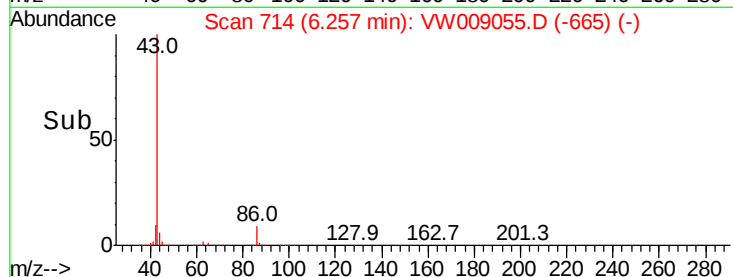
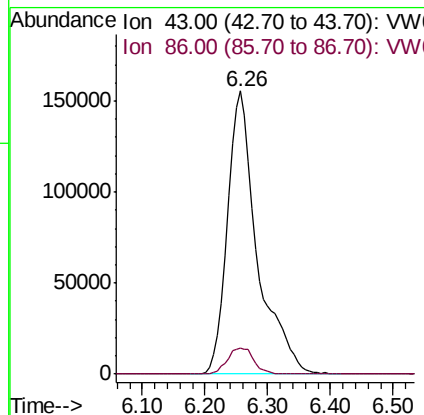
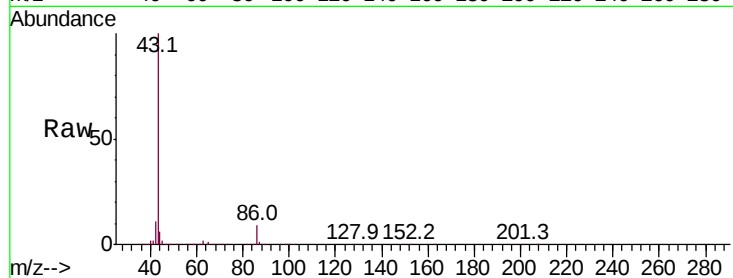
86 9.0 7.6 11.4

Manual Integrations

APPROVED

MMDadoda

3/11/2019 2:53:23 PM



#24

1,1-Dichloroethane

Concen: 19.595 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW009055.D

Acq: 08 Mar 2019 15:28

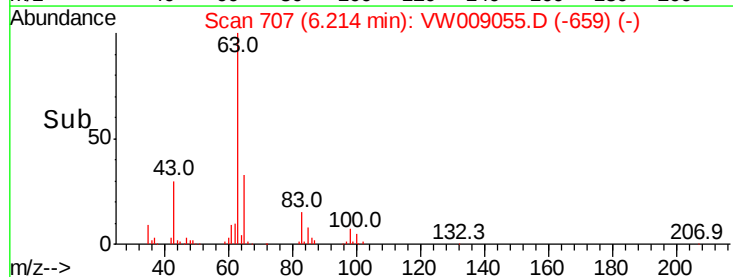
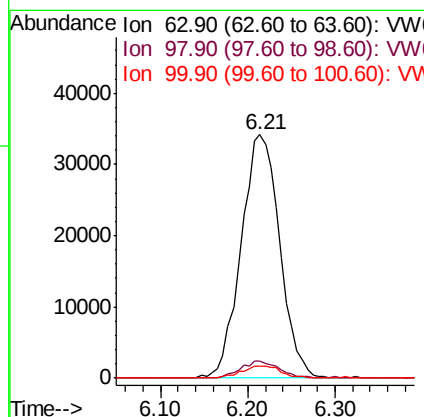
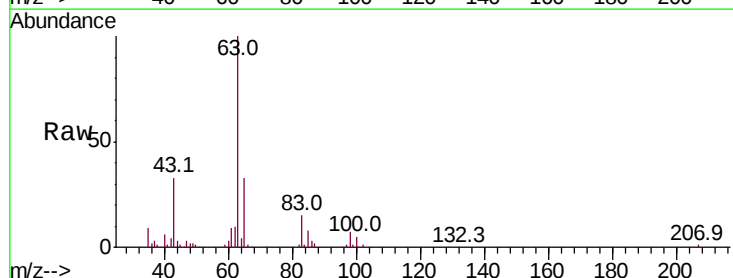
Tgt Ion: 63 Resp: 104769

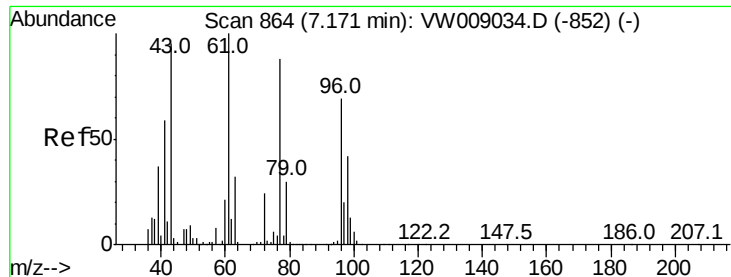
Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.2

100 4.9 2.1 6.2





#25

2-Butanone

Concen: 82.822 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW009055.D

Acq: 08 Mar 2019 15:28

Instrument :

MSVOA\_W

ClientSampleId :

VW0308SBS01

Tot Ion: 43 Resp: 76038

Ion Ratio Lower Upper

43 100

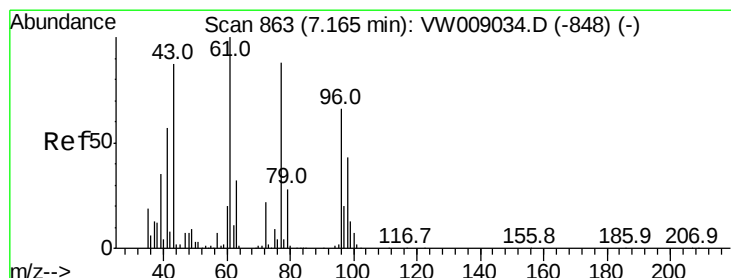
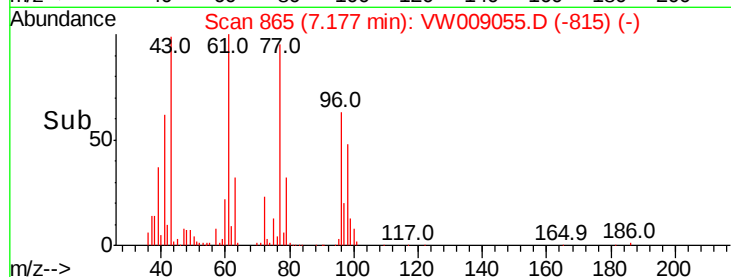
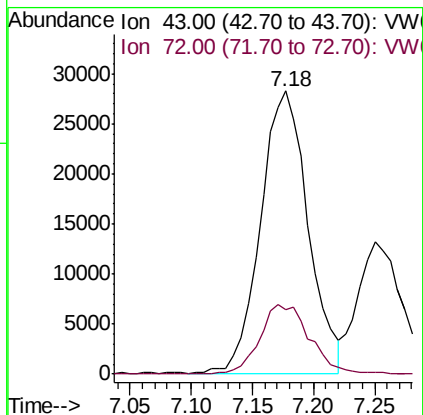
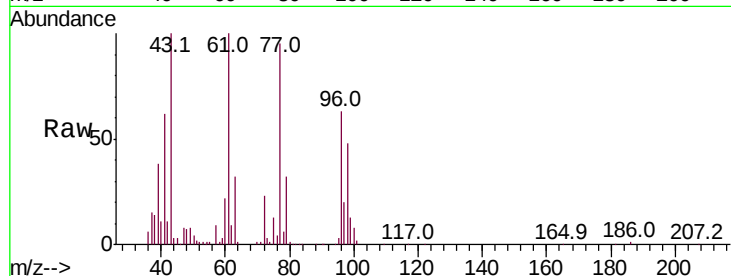
72 22.7 20.0 30.0

Manual Integrations

APPROVED

MMDadoda

3/11/2019 2:53:23 PM



#26

2,2-Dichloropropane

Concen: 19.897 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW009055.D

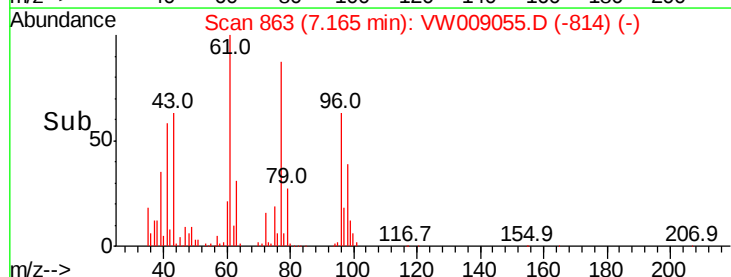
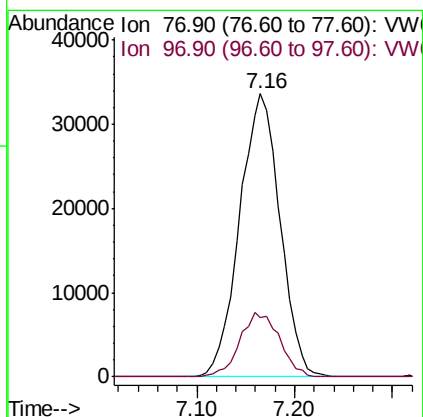
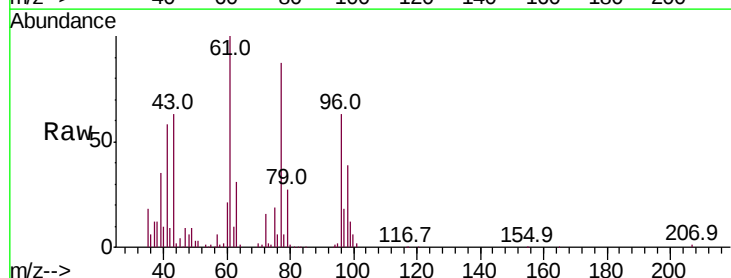
Acq: 08 Mar 2019 15:28

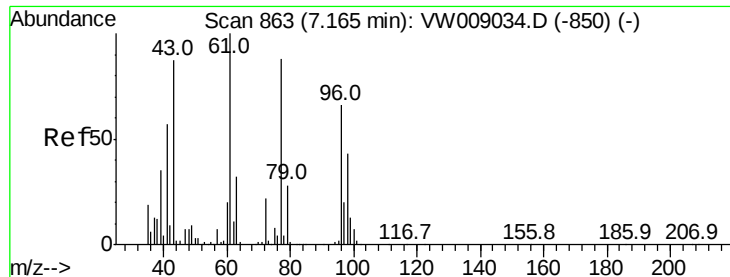
Tgt Ion: 77 Resp: 96700

Ion Ratio Lower Upper

77 100

97 22.3 10.9 32.9





#27

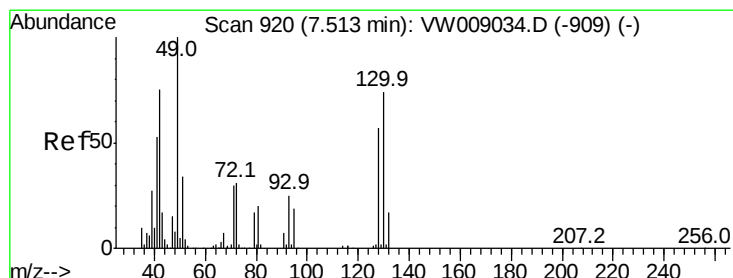
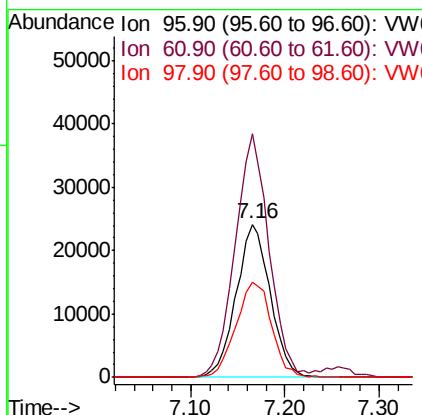
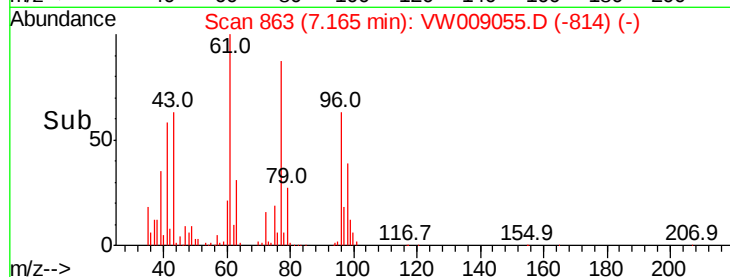
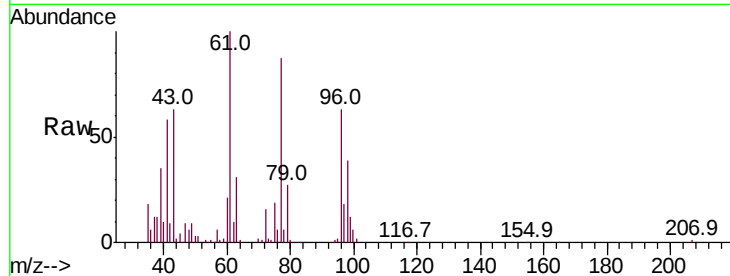
cis-1,2-Dichloroethene  
Concen: 18.737 ug/l  
RT: 7.16 min Scan# 863  
Delta R.T. -0.00 min  
Lab File: VW009055.D  
Acq: 08 Mar 2019 15:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0308SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 158.0 | 0.0   | 299.8 |
| 98      | 64.6  | 0.0   | 127.2 |

Manual Integrations  
APPROVED

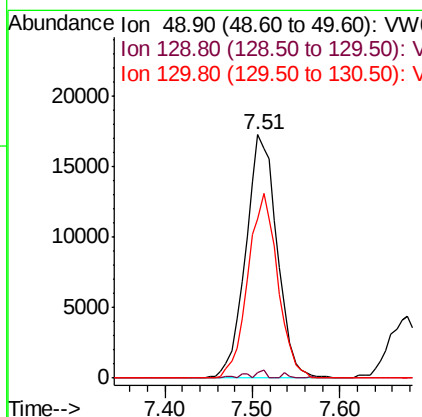
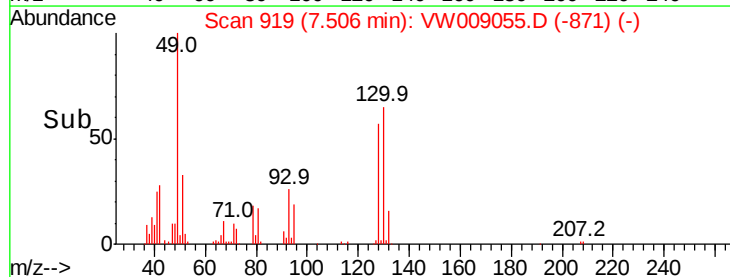
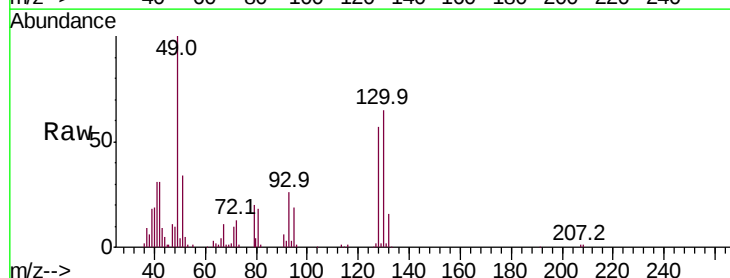
MMDadoda  
3/11/2019 2:53:23 PM

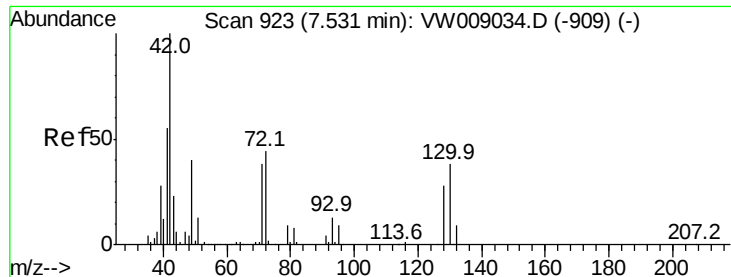


#28

Bromochloromethane  
Concen: 19.256 ug/l  
RT: 7.51 min Scan# 919  
Delta R.T. -0.01 min  
Lab File: VW009055.D  
Acq: 08 Mar 2019 15:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 0.9   | 0.0   | 4.6   |
| 130     | 72.5  | 60.4  | 90.6  |





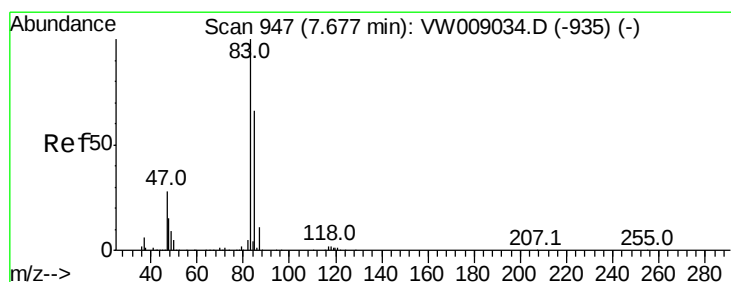
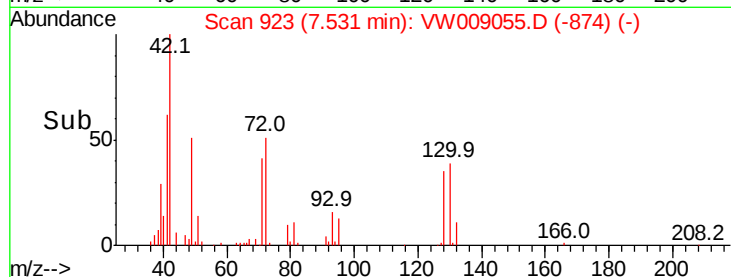
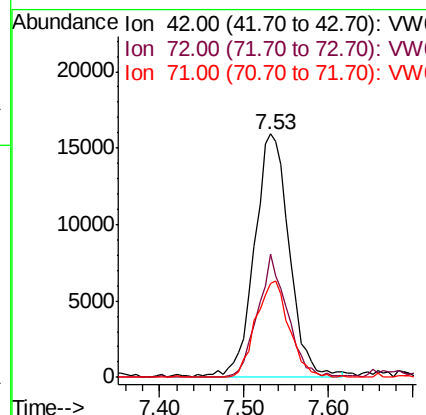
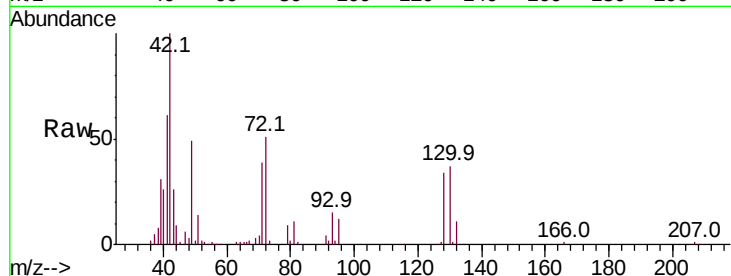
#29  
Tetrahydrofuran  
Concen: 76.677 ug/l  
RT: 7.53 min Scan# 923  
Delta R.T. -0.00 min  
Lab File: VW009055.D  
Acq: 08 Mar 2019 15:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0308SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 43.6  | 32.2  | 48.4  |
| 71      | 38.4  | 30.7  | 46.1  |

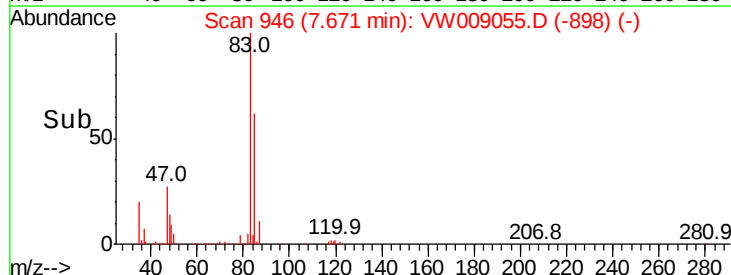
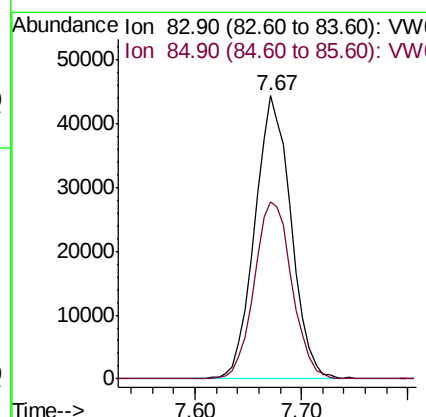
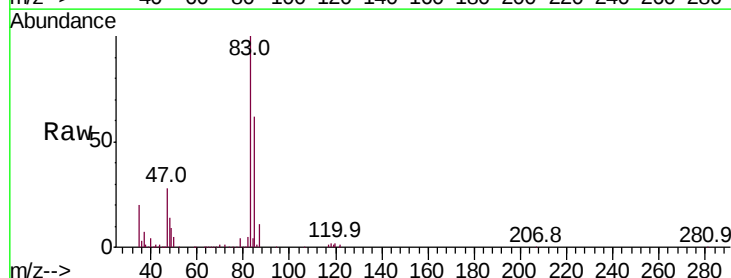
Manual Integrations  
APPROVED

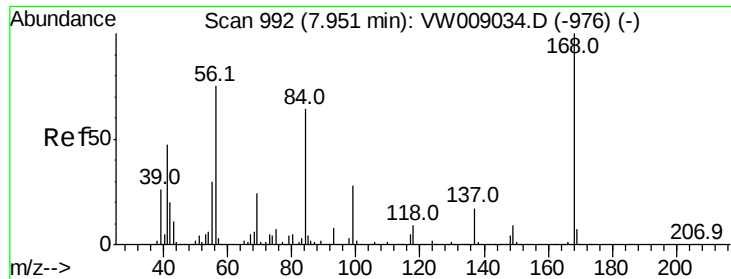
MMDadoda  
3/11/2019 2:53:23 PM



#30  
Chloroform  
Concen: 19.194 ug/l  
RT: 7.67 min Scan# 946  
Delta R.T. -0.01 min  
Lab File: VW009055.D  
Acq: 08 Mar 2019 15:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 62.4  | 53.0  | 79.6  |





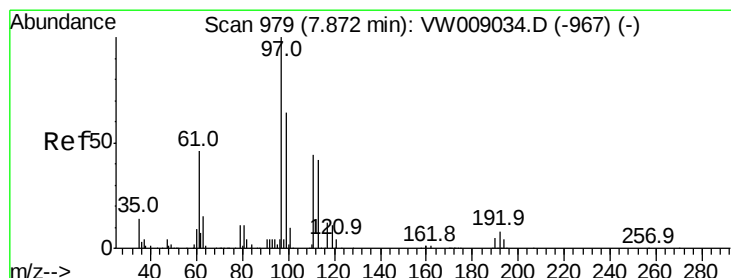
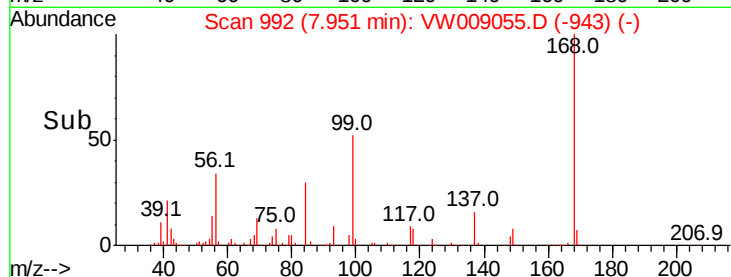
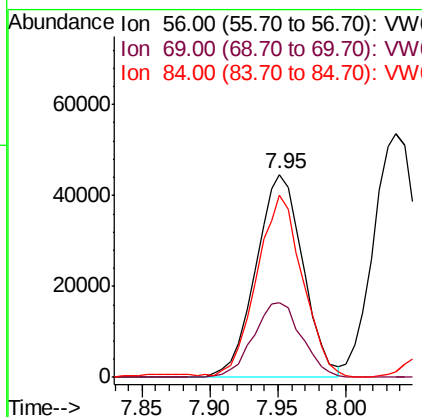
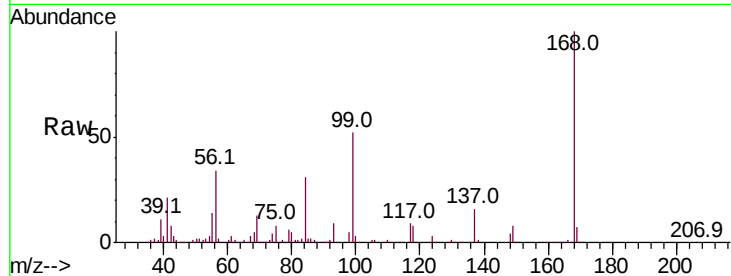
#31  
Cyclohexane  
Concen: 19.695 ug/l  
RT: 7.95 min Scan# 992  
Delta R.T. -0.00 min  
Lab File: VW009055.D  
Acq: 08 Mar 2019 15:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0308SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 36.6  | 25.5  | 38.3  |
| 84      | 88.3  | 68.6  | 103.0 |

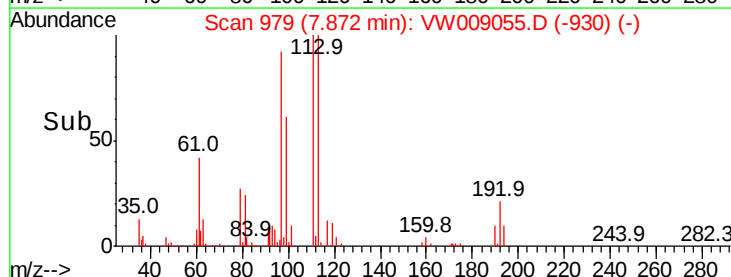
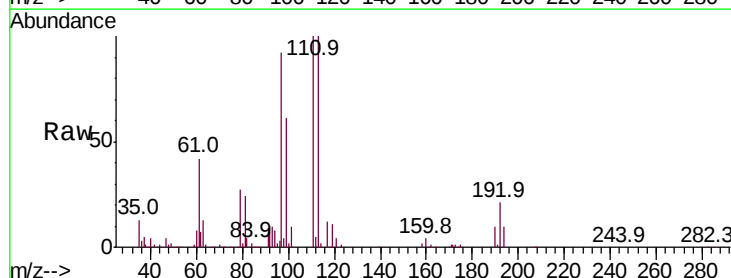
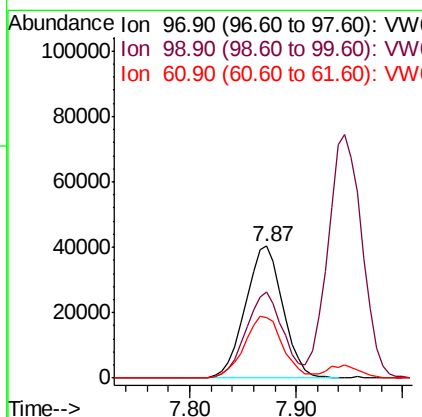
Manual Integrations  
APPROVED

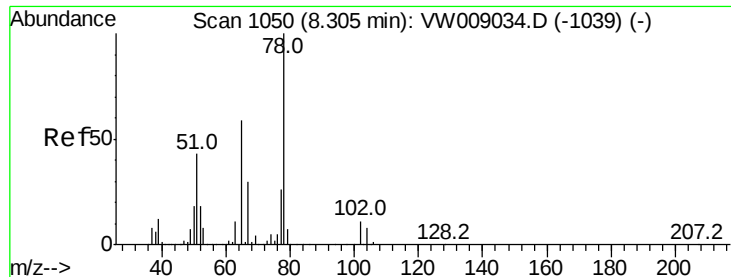
MMDadoda  
3/11/2019 2:53:23 PM



#32  
1,1,1-Trichloroethane  
Concen: 19.689 ug/l  
RT: 7.87 min Scan# 979  
Delta R.T. -0.00 min  
Lab File: VW009055.D  
Acq: 08 Mar 2019 15:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 65.0  | 51.8  | 77.8  |
| 61      | 47.8  | 37.3  | 55.9  |





#33

1,2-Dichloroethane-d4

Concen: 48.783 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW009055.D

Acq: 08 Mar 2019 15:28

Instrument :

MSVOA\_W

ClientSampleId :

VW0308SBS01

Tot Ion: 65 Resp: 143611

Ion Ratio Lower Upper

65 100

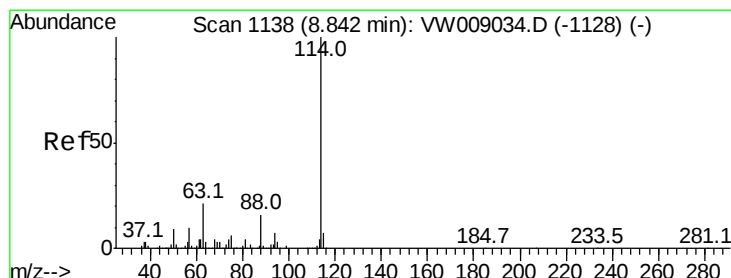
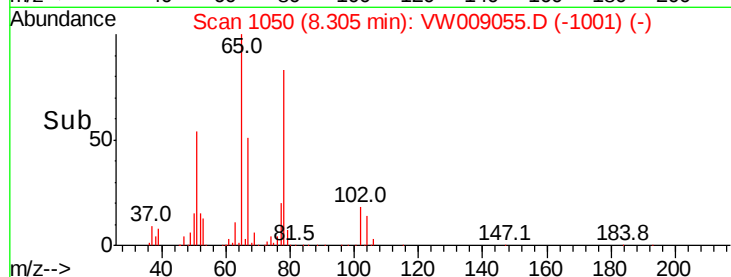
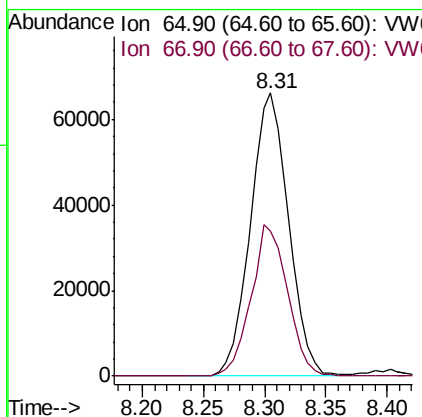
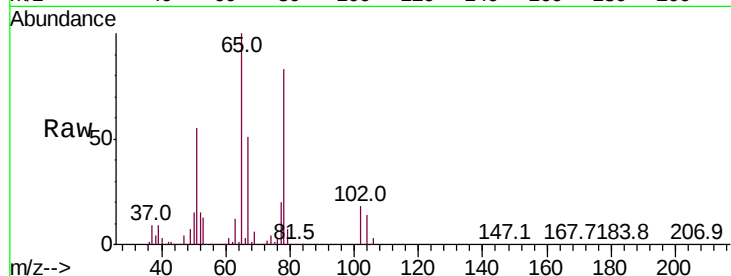
67 51.5 0.0 103.0

Manual Integrations

APPROVED

MMDadoda

3/11/2019 2:53:23 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW009055.D

Acq: 08 Mar 2019 15:28

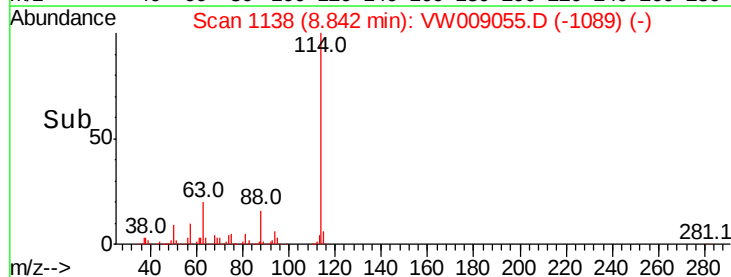
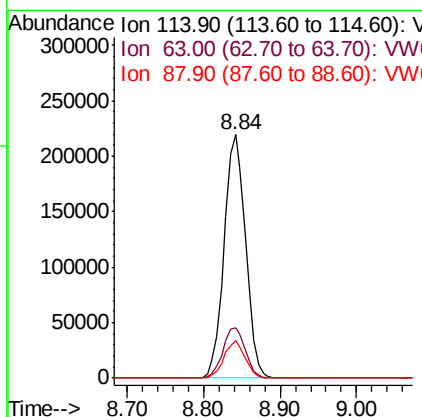
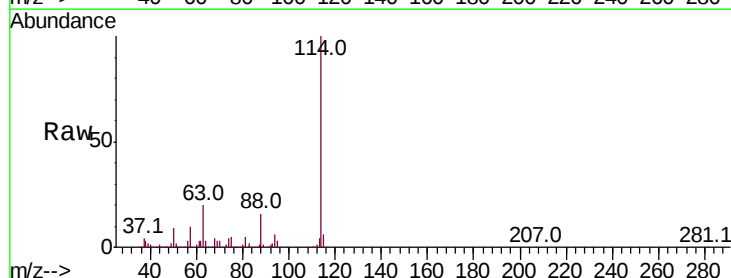
Tgt Ion: 114 Resp: 425317

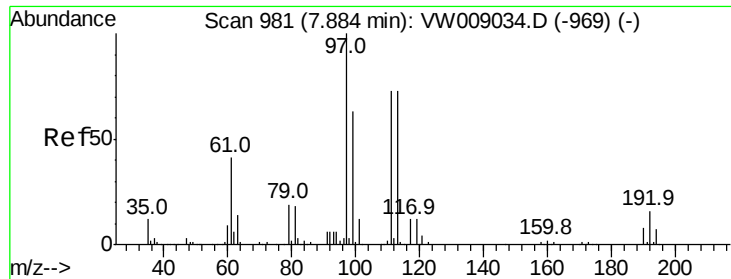
Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.2

88 15.6 0.0 31.2





#35

Dibromofluoromethane

Concen: 49.229 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW009055.D

Acq: 08 Mar 2019 15:28

Instrument :

MSVOA\_W

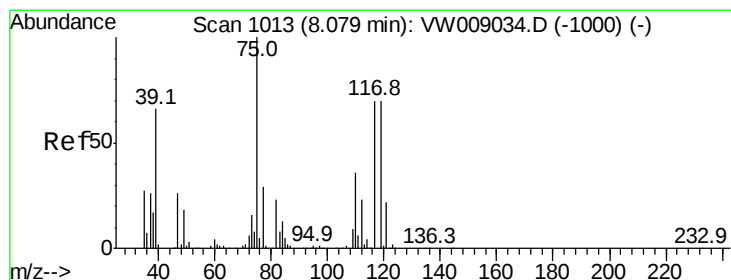
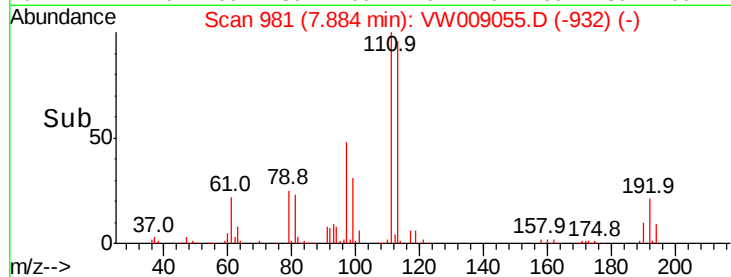
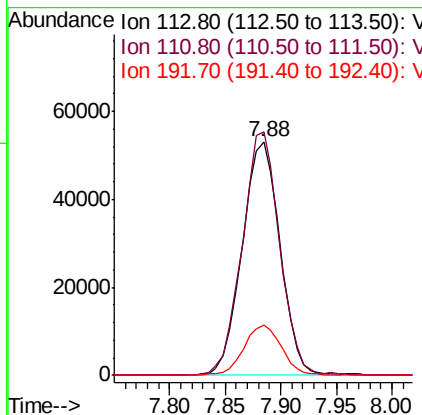
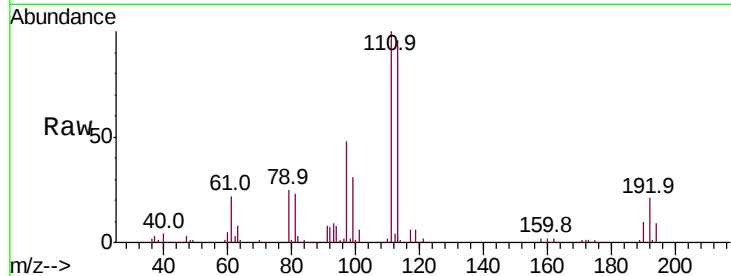
ClientSampleId :

VW0308SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 126065 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 102.4 | 81.0  | 121.4  |
| 192       | 21.2  | 17.1  | 25.7   |

Manual Integrations  
APPROVED

MMDadoda  
3/11/2019 2:53:23 PM



#36

1,1-Dichloropropene

Concen: 19.683 ug/l

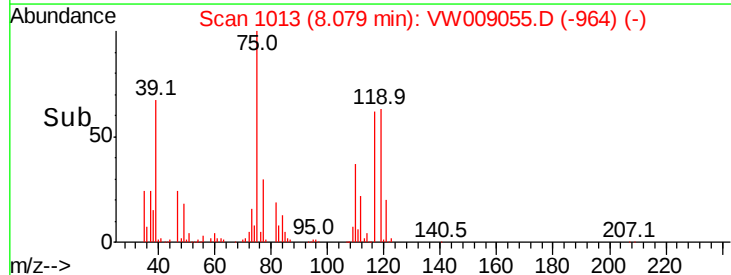
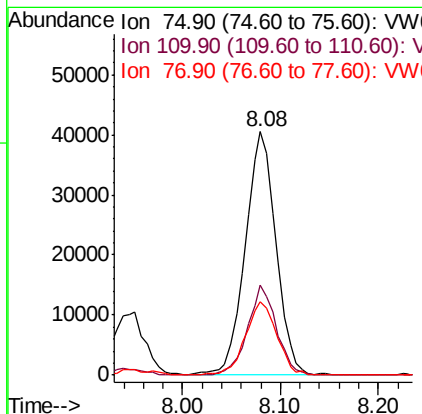
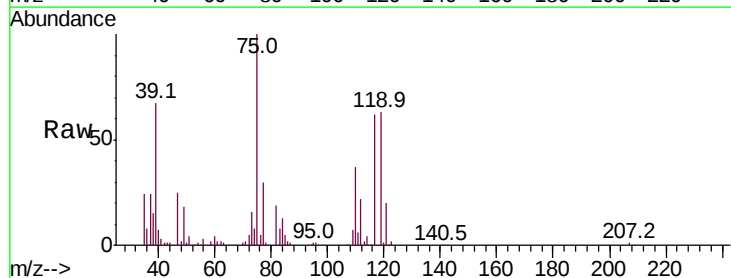
RT: 8.08 min Scan# 1013

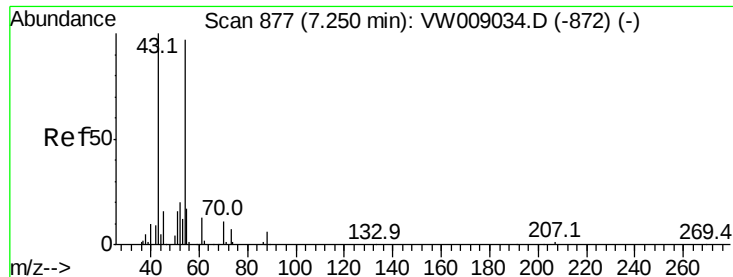
Delta R.T. -0.00 min

Lab File: VW009055.D

Acq: 08 Mar 2019 15:28

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 87536 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 34.8  | 17.6  | 52.9  |
| 77        | 31.2  | 25.1  | 37.7  |





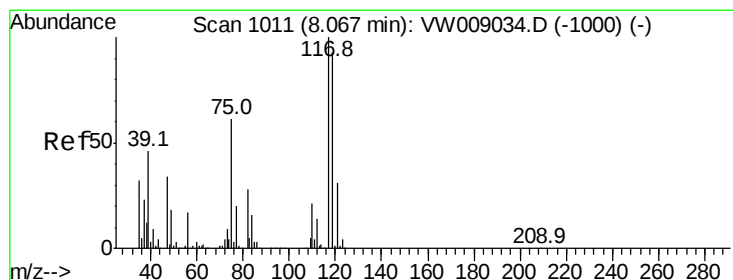
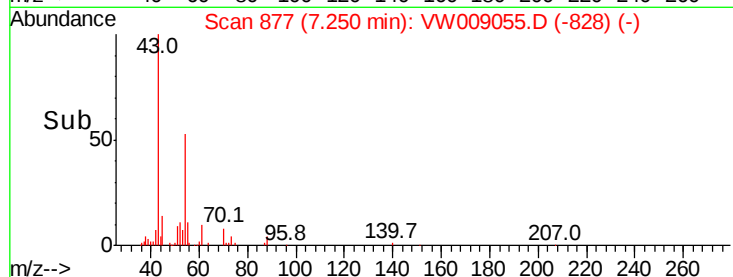
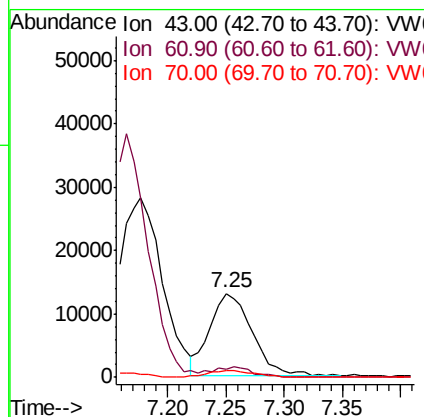
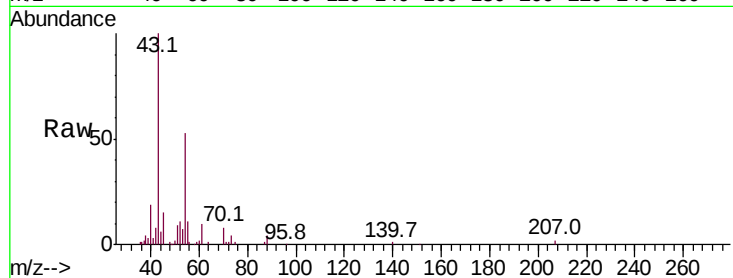
#37  
Ethyl Acetate  
Concen: 15.706 ug/l  
RT: 7.25 min Scan# 877  
Delta R.T. -0.00 min  
Lab File: VW009055.D  
Acq: 08 Mar 2019 15:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0308SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 12.3  | 9.8   | 14.6  |
| 70      | 9.6   | 7.2   | 10.8  |

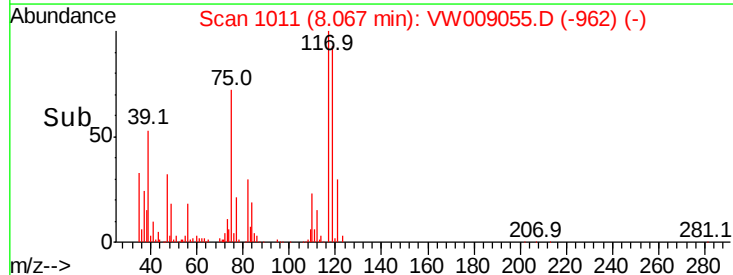
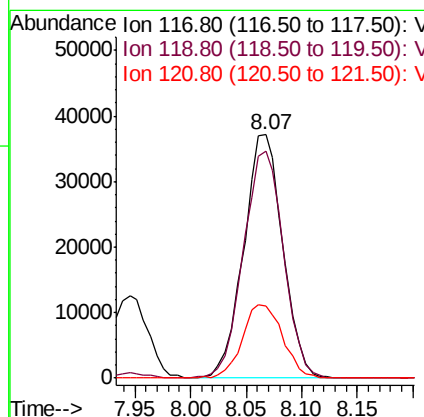
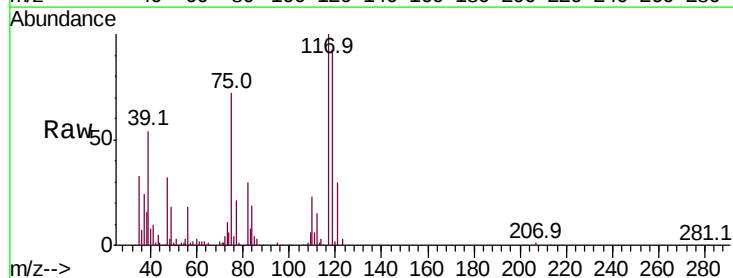
Manual Integrations  
APPROVED

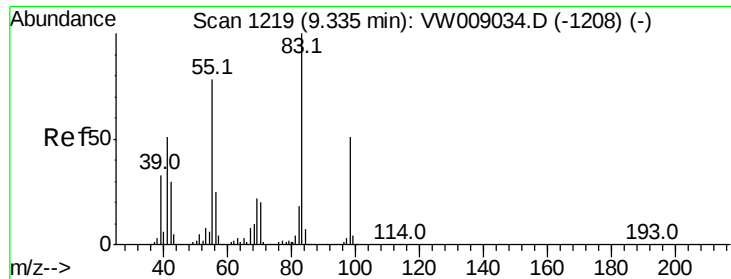
MMDadoda  
3/11/2019 2:53:23 PM



#38  
Carbon Tetrachloride  
Concen: 19.814 ug/l  
RT: 8.07 min Scan# 1011  
Delta R.T. -0.00 min  
Lab File: VW009055.D  
Acq: 08 Mar 2019 15:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 93.4  | 74.6  | 112.0 |
| 121     | 29.7  | 24.7  | 37.1  |





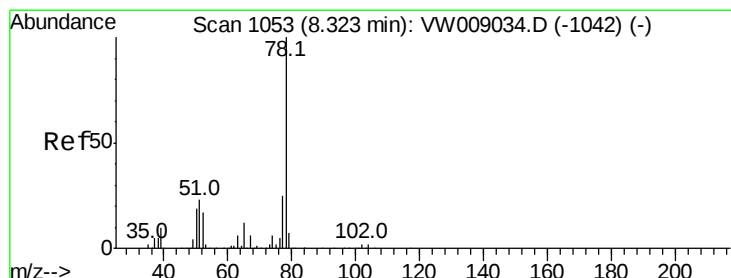
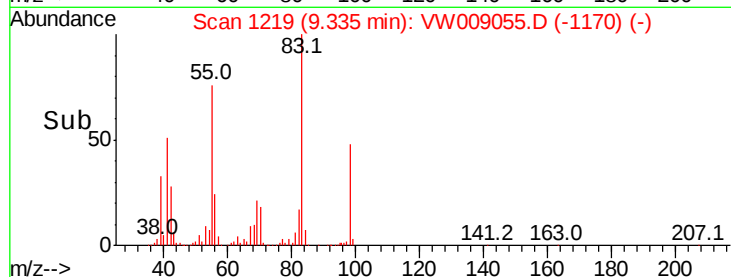
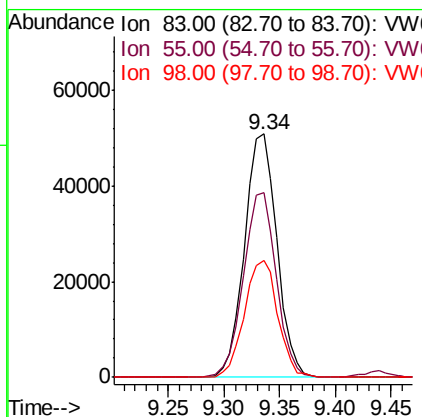
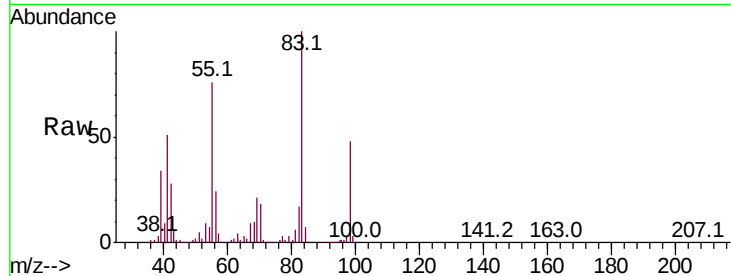
#39  
Methvlcvclohexane  
Concen: 19.512 ug/l  
RT: 9.34 min Scan# 1219  
Delta R.T. -0.00 min  
Lab File: VW009055.D  
Acq: 08 Mar 2019 15:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0308SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 76.1  | 62.7  | 94.1  |
| 98      | 47.8  | 40.8  | 61.2  |

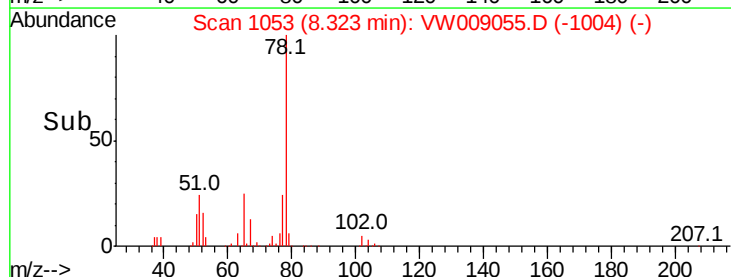
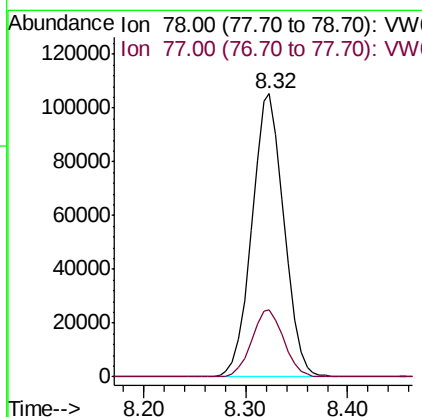
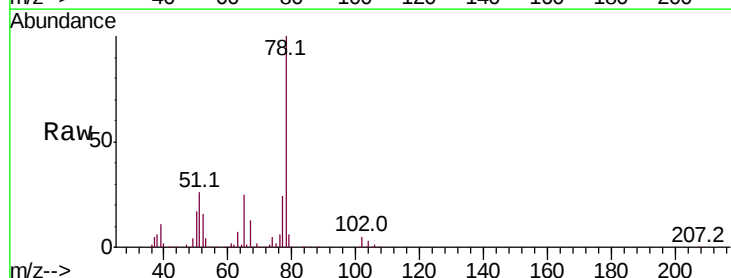
Manual Integrations  
APPROVED

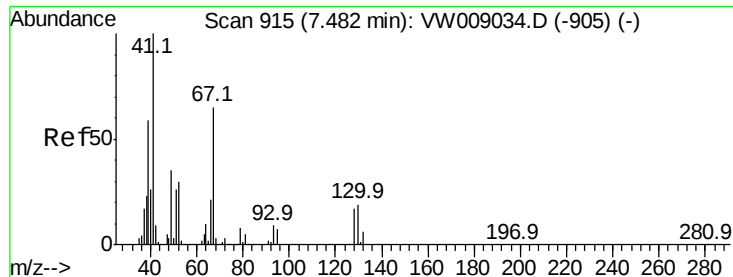
MMDadoda  
3/11/2019 2:53:23 PM



#40  
Benzene  
Concen: 19.405 ug/l  
RT: 8.32 min Scan# 1053  
Delta R.T. -0.00 min  
Lab File: VW009055.D  
Acq: 08 Mar 2019 15:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.7  | 20.2  | 30.4  |





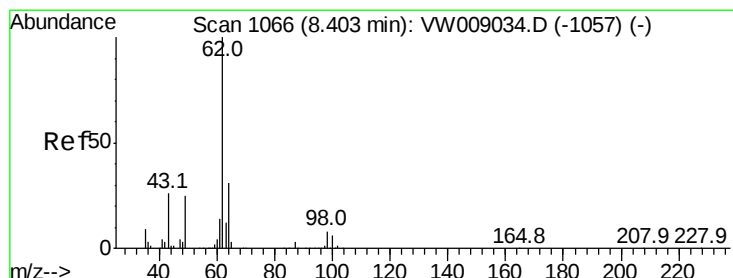
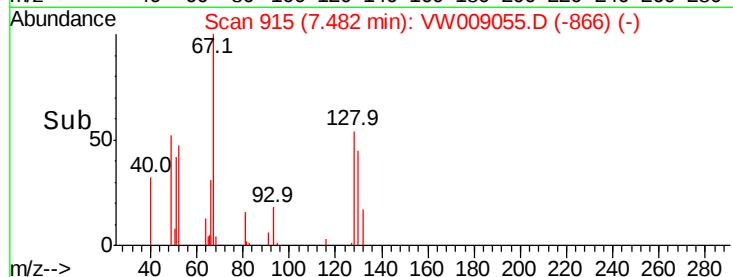
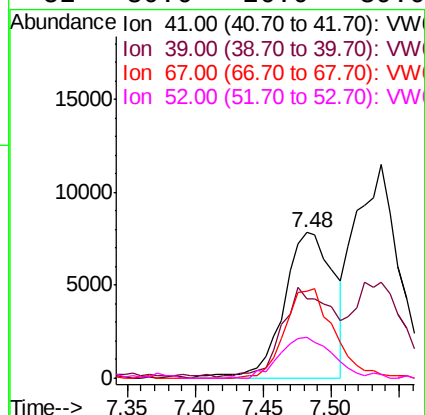
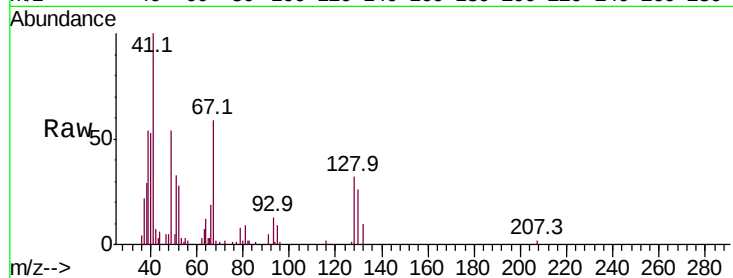
#41  
Methacrylonitrile  
Concen: 17.278 ug/l  
RT: 7.48 min Scan# 915  
Delta R.T. -0.00 min  
Lab File: VW009055.D  
Acq: 08 Mar 2019 15:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0308SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 60.4  | 53.6  | 80.4  |
| 67      | 60.4  | 57.6  | 86.4  |
| 52      | 30.6  | 26.0  | 39.0  |

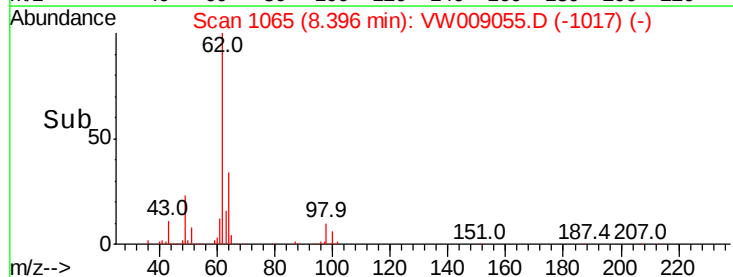
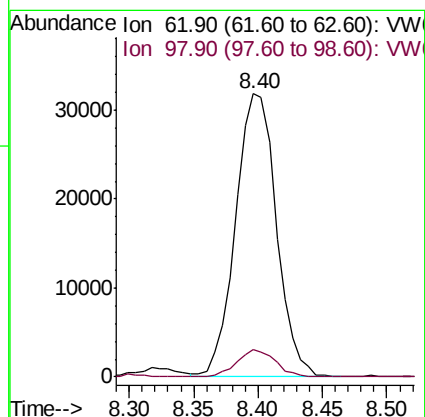
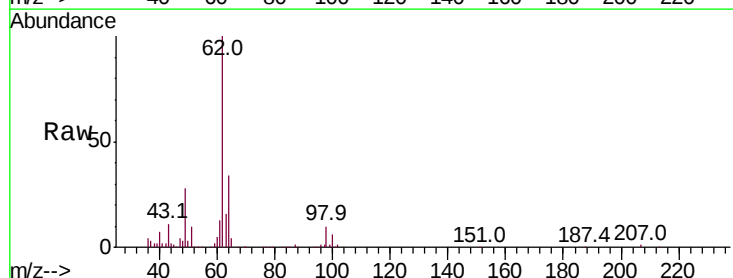
Manual Integrations  
APPROVED

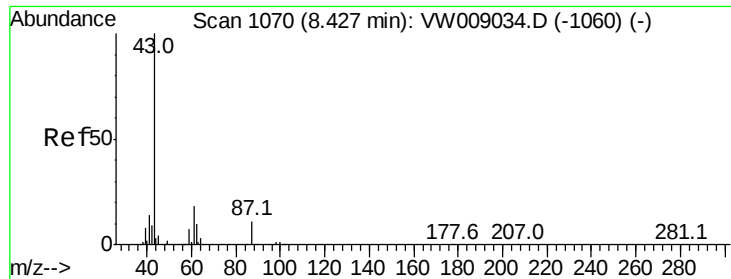
MMDadoda  
3/11/2019 2:53:23 PM



#42  
1,2-Dichloroethane  
Concen: 18.252 ug/l  
RT: 8.40 min Scan# 1065  
Delta R.T. -0.01 min  
Lab File: VW009055.D  
Acq: 08 Mar 2019 15:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 9.2   | 0.0   | 17.6  |





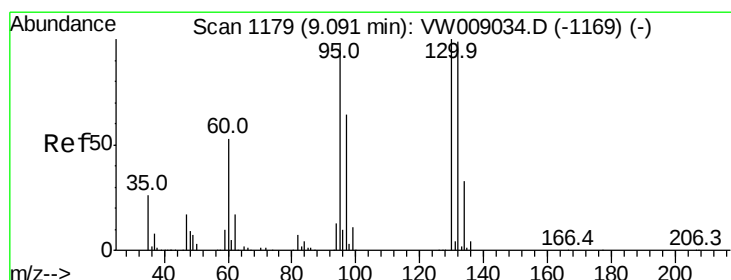
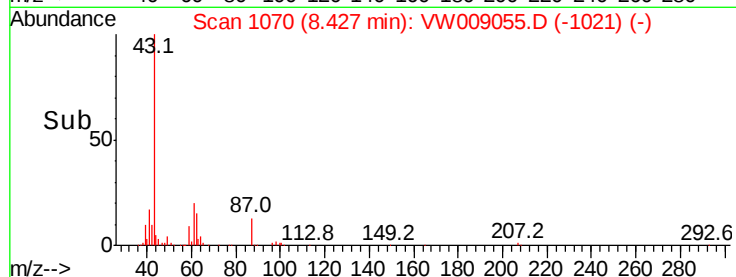
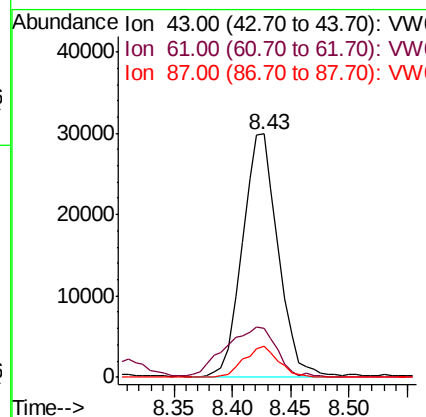
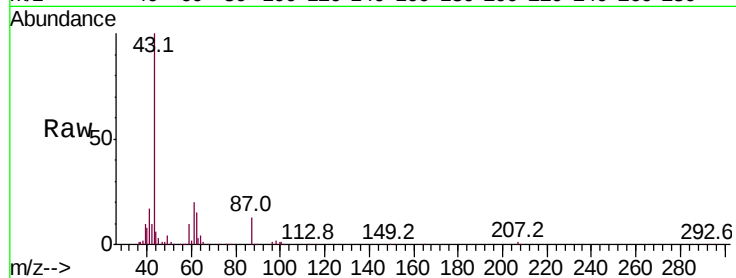
#43  
Isopropyl Acetate  
Concen: 16.495 ug/l  
RT: 8.43 min Scan# 1070  
Delta R.T. 0.00 min  
Lab File: VW009055.D  
Acq: 08 Mar 2019 15:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0308SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 29.5  | 22.8  | 34.2  |
| 87      | 12.3  | 9.4   | 14.2  |

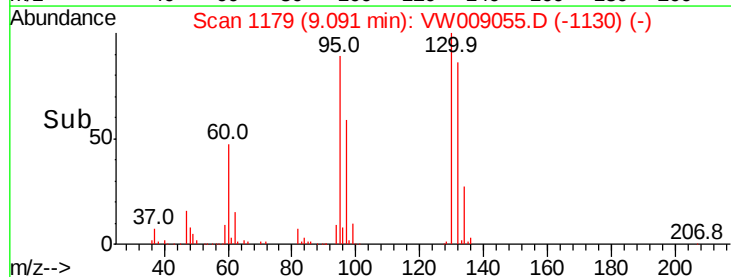
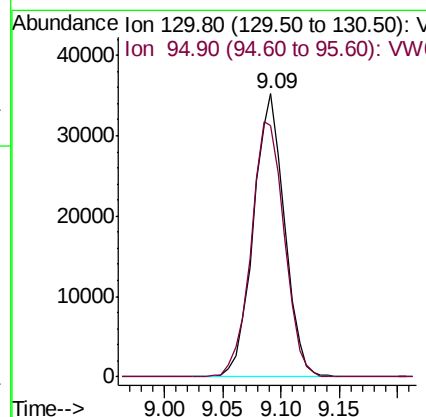
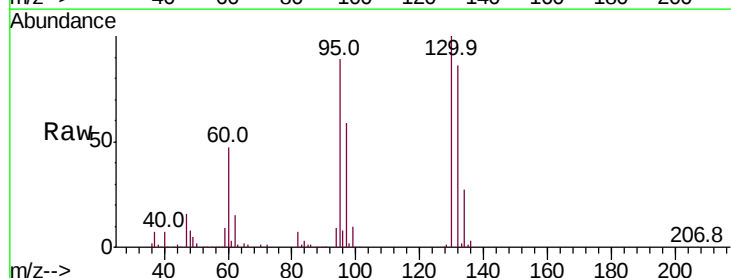
Manual Integrations  
APPROVED

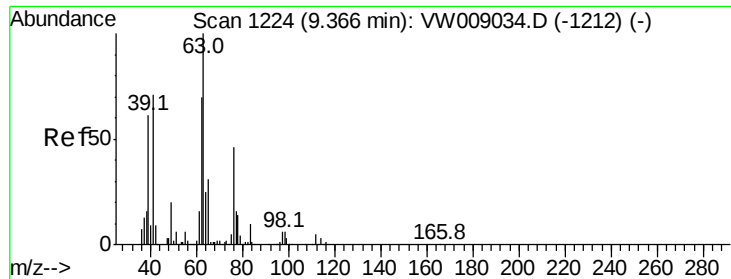
MMDadoda  
3/11/2019 2:53:23 PM



#44  
Trichloroethene  
Concen: 19.600 ug/l  
RT: 9.09 min Scan# 1179  
Delta R.T. -0.00 min  
Lab File: VW009055.D  
Acq: 08 Mar 2019 15:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 89.0  | 0.0   | 197.0 |





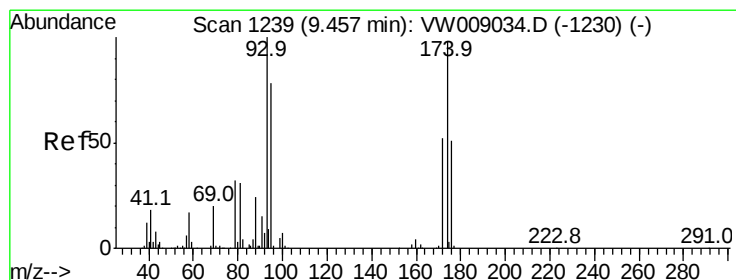
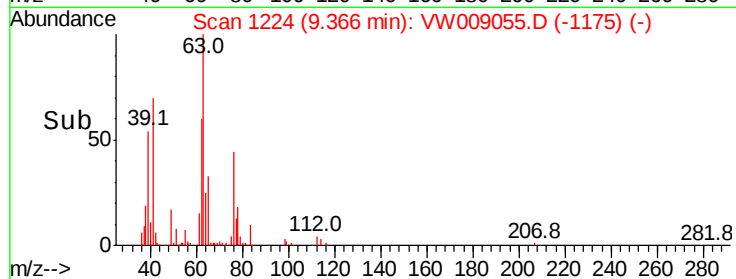
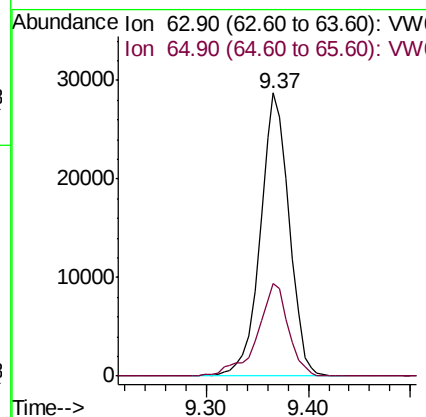
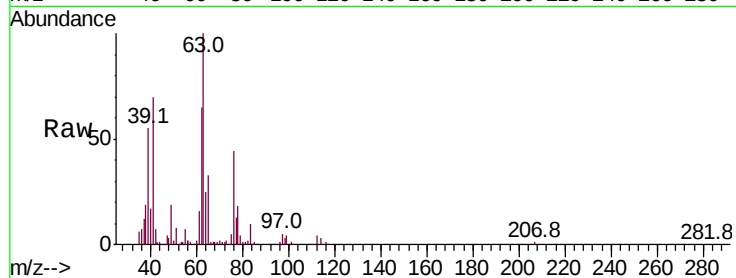
#45  
 1,2-Dichloropropane  
 Concen: 19.075 ug/l  
 RT: 9.37 min Scan# 1224  
 Delta R.T. -0.00 min  
 Lab File: VW009055.D  
 Acq: 08 Mar 2019 15:28

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0308SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 32.9  | 24.9  | 37.3  |

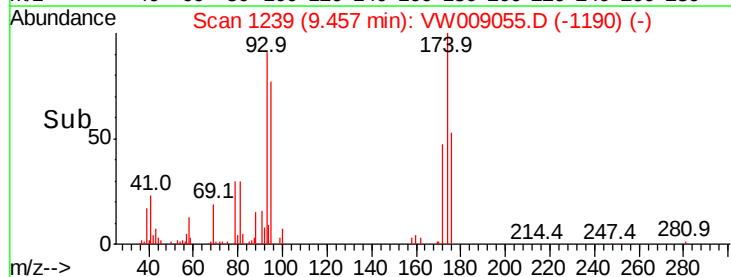
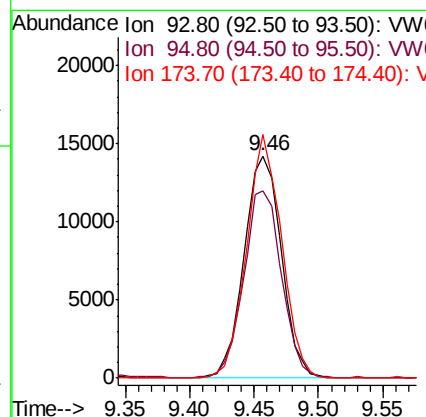
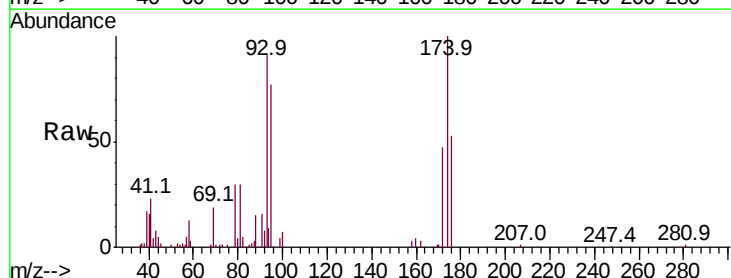
Manual Integrations  
 APPROVED

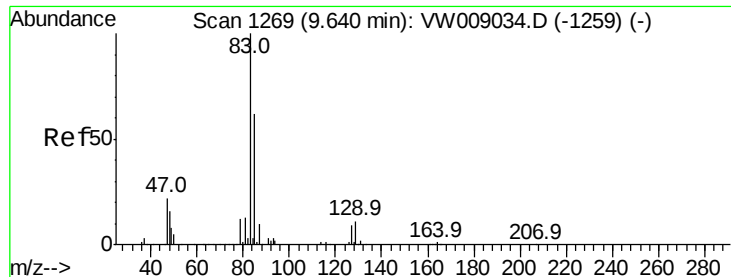
MMDadoda  
 3/11/2019 2:53:23 PM



#46  
 Dibromomethane  
 Concen: 17.480 ug/l  
 RT: 9.46 min Scan# 1239  
 Delta R.T. -0.00 min  
 Lab File: VW009055.D  
 Acq: 08 Mar 2019 15:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 85.9  | 65.0  | 97.6  |
| 174     | 102.9 | 81.8  | 122.6 |





#47

Bromodichloromethane

Concen: 18.644 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW009055.D

Acq: 08 Mar 2019 15:28

Instrument :

MSVOA\_W

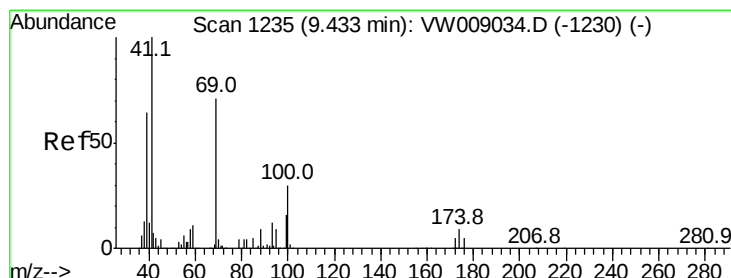
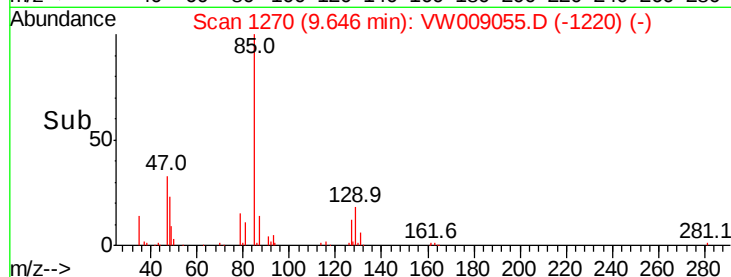
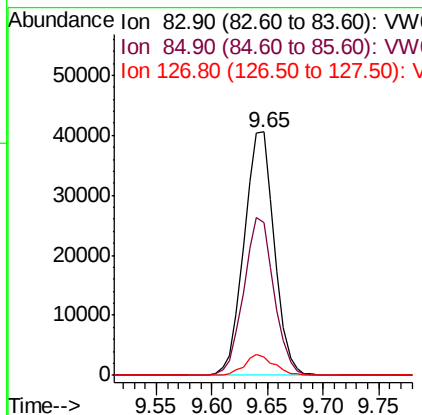
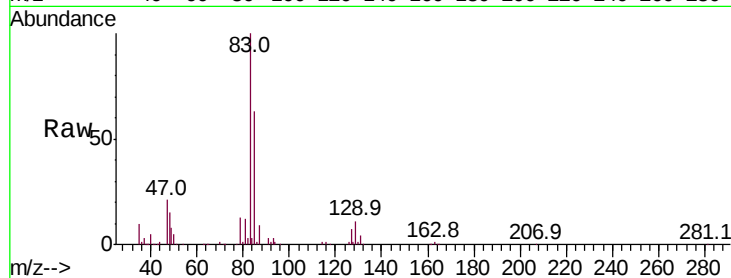
ClientSampleId :

VW0308SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 76637 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 85        | 62.8  | 49.9  | 74.9  |
| 127       | 7.5   | 7.1   | 10.7  |

Manual Integrations  
APPROVED

MMDadoda  
3/11/2019 2:53:23 PM



#48

Methyl methacrylate

Concen: 17.805 ug/l

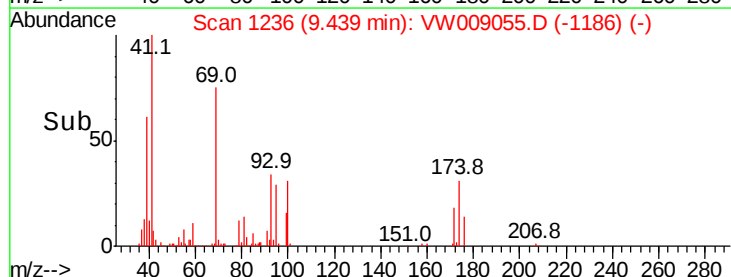
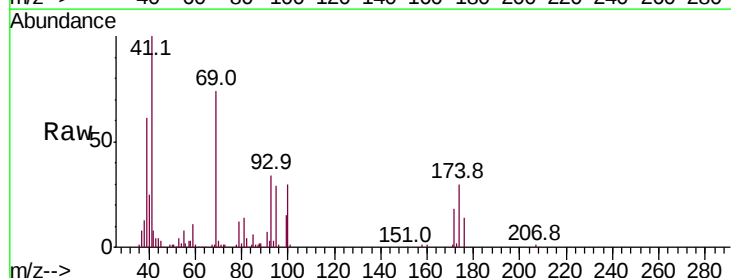
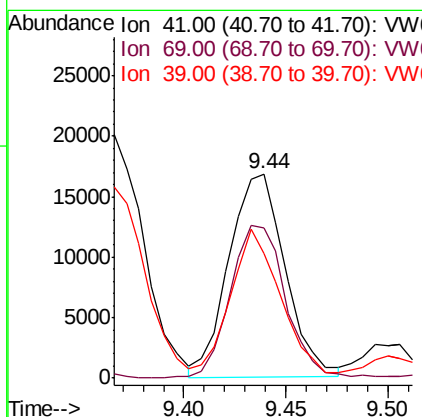
RT: 9.44 min Scan# 1236

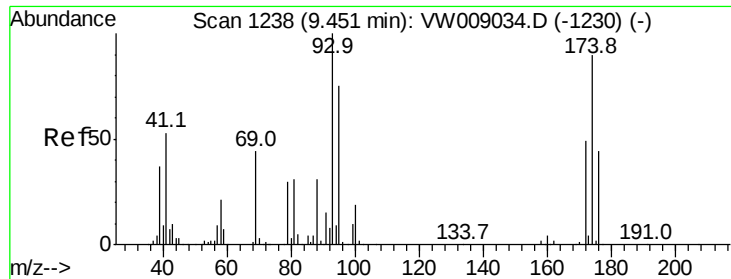
Delta R.T. 0.01 min

Lab File: VW009055.D

Acq: 08 Mar 2019 15:28

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 41    | Resp: | 32255 |
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 69        | 72.9  | 59.1  | 88.7  |
| 39        | 60.3  | 48.9  | 73.3  |





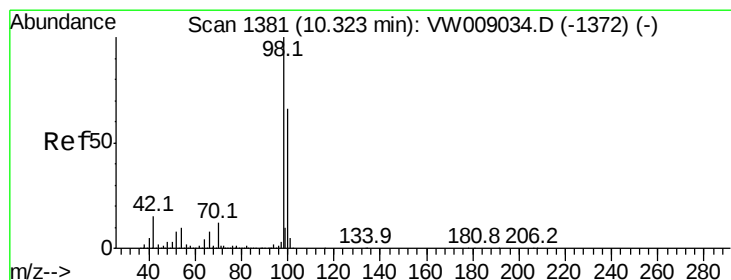
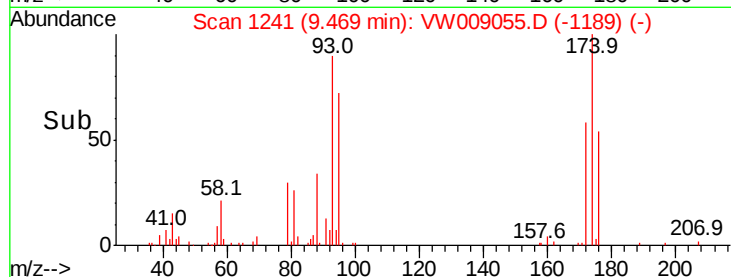
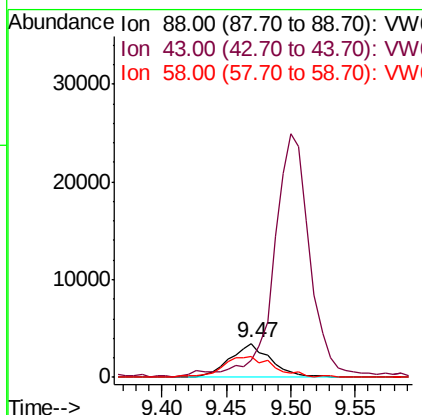
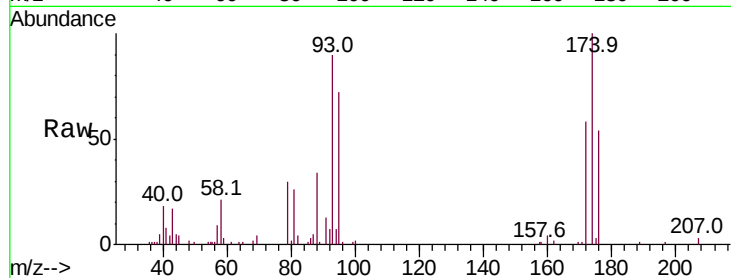
#49  
1,4-Dioxane  
Concen: 326.023 ug/l  
RT: 9.47 min Scan# 1241  
Delta R.T. 0.02 min  
Lab File: VW009055.D  
Acq: 08 Mar 2019 15:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0308SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 0.0   | 29.0  | 43.4# |
| 58      | 78.5  | 59.2  | 88.8  |

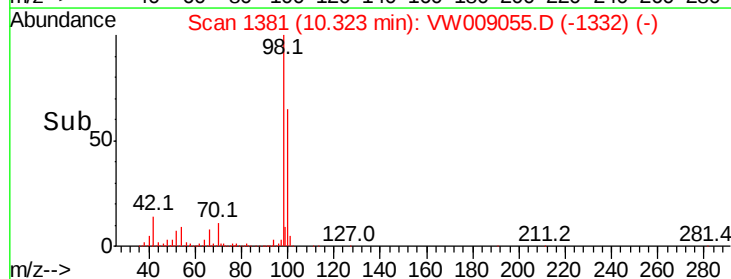
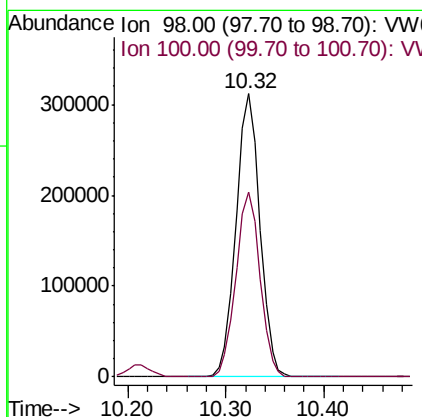
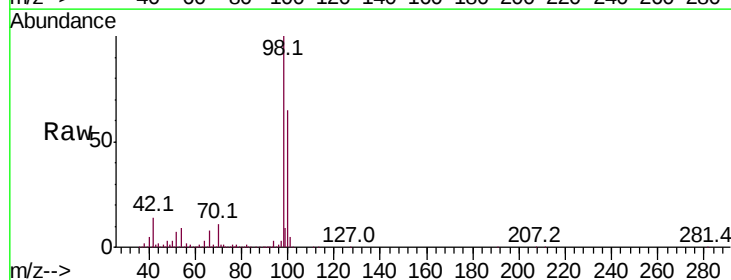
Manual Integrations  
APPROVED

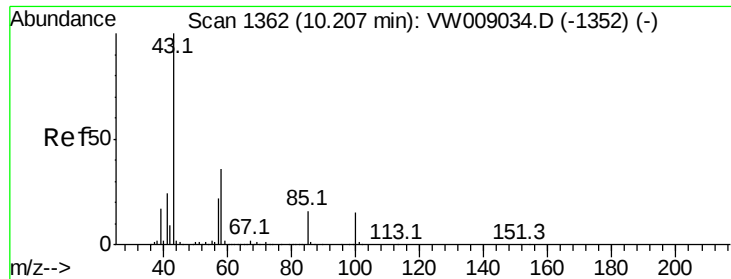
MMDadoda  
3/11/2019 2:53:23 PM



#50  
Toluene-d8  
Concen: 50.340 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. 0.00 min  
Lab File: VW009055.D  
Acq: 08 Mar 2019 15:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 66.0  | 51.9  | 77.9  |





#51

4-Methyl-2-Pentanone

Concen: 78.912 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW009055.D

Acq: 08 Mar 2019 15:28

Instrument :

MSVOA\_W

ClientSampleId :

VW0308SBS01

Tot Ion: 43 Resp: 155858

Ion Ratio Lower Upper

43 100

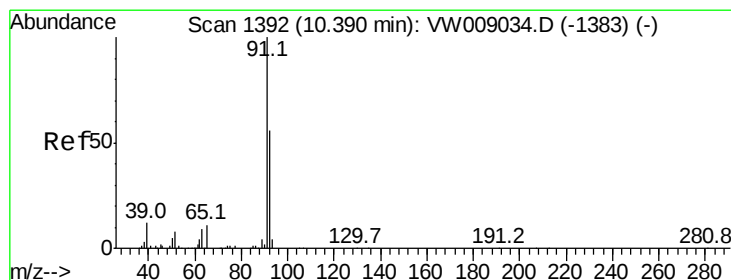
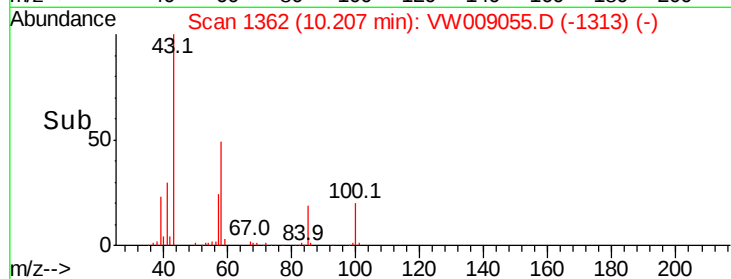
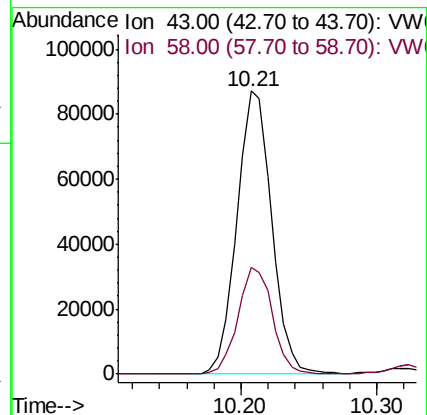
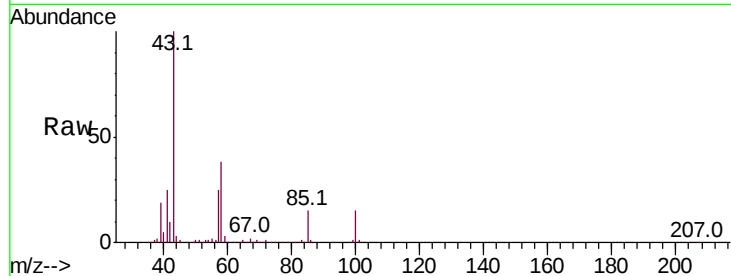
58 37.1 28.8 43.2

Manual Integrations

APPROVED

MMDadoda

3/11/2019 2:53:23 PM



#52

Toluene

Concen: 19.287 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW009055.D

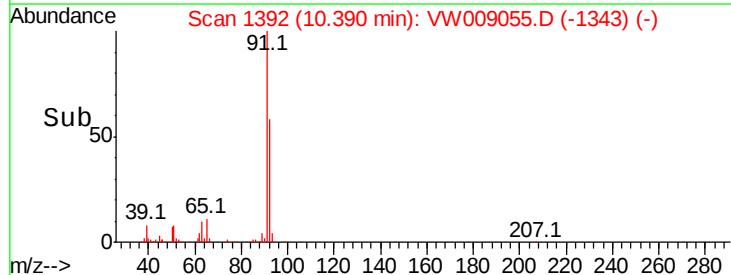
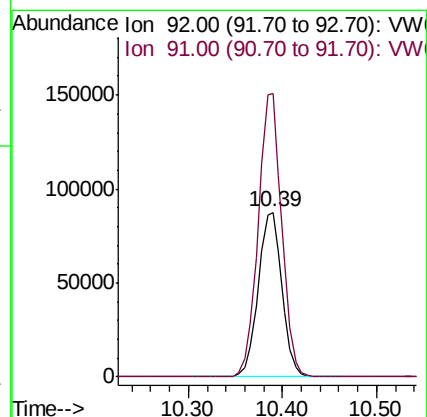
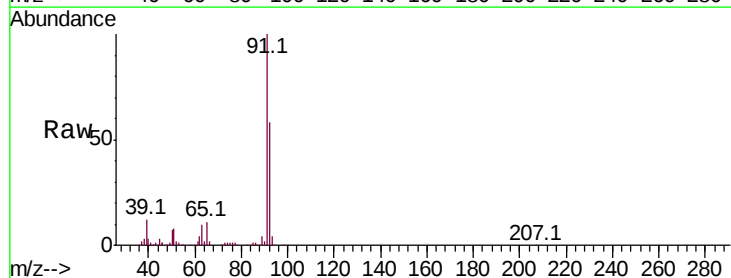
Acq: 08 Mar 2019 15:28

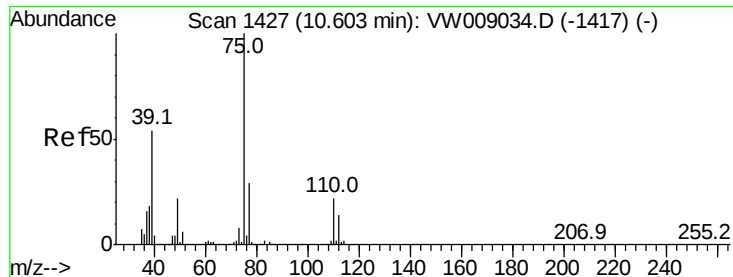
Tgt Ion: 92 Resp: 155281

Ion Ratio Lower Upper

92 100

91 170.8 139.9 209.9





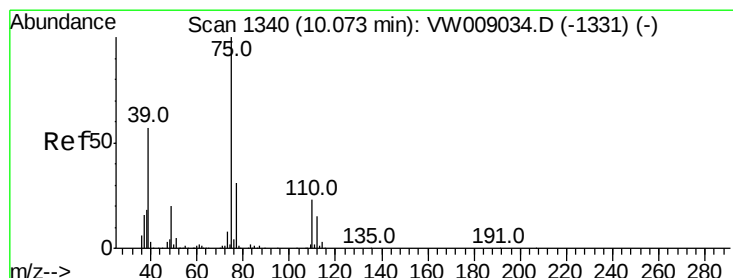
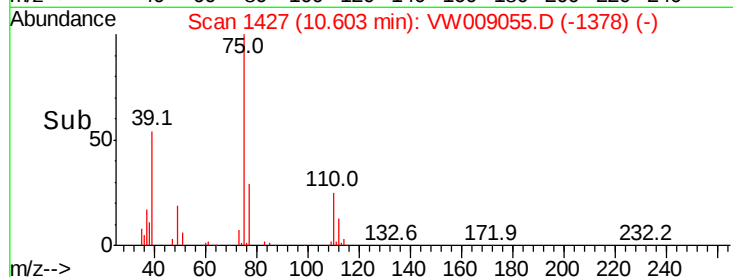
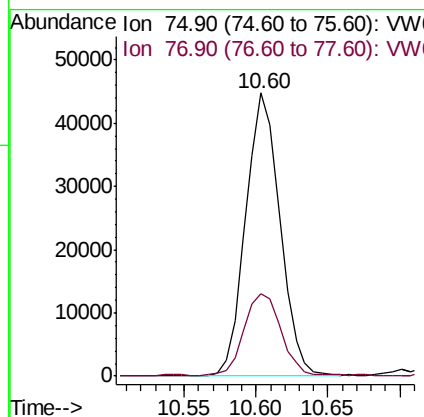
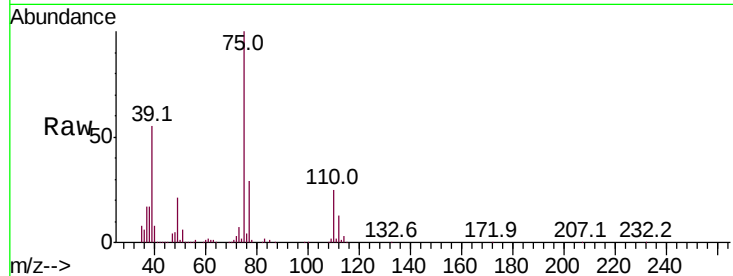
#53  
 t-1,3-Dichloropropene  
 Concen: 18.178 ug/l  
 RT: 10.60 min Scan# 1427  
 Delta R.T. -0.00 min  
 Lab File: VW009055.D  
 Acq: 08 Mar 2019 15:28

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0308SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 28.9  | 23.6  | 35.4  |

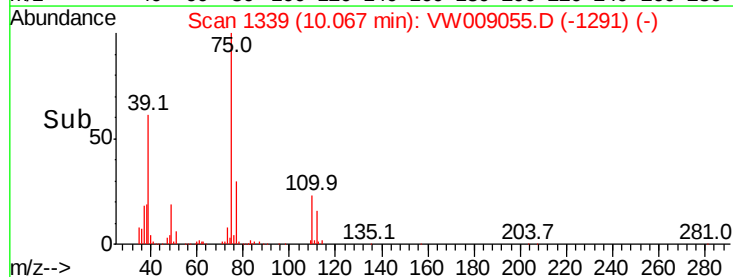
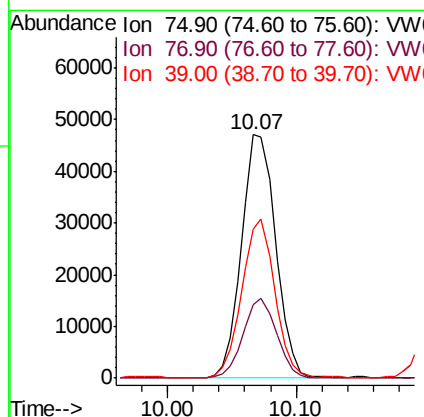
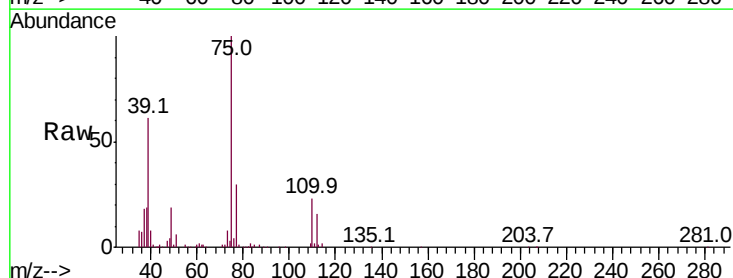
Manual Integrations  
 APPROVED

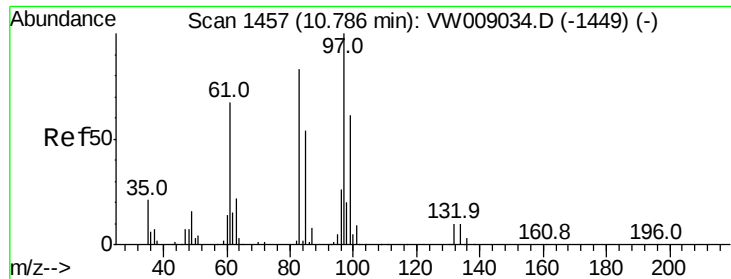
MMDadoda  
 3/11/2019 2:53:23 PM



#54  
 cis-1,3-Dichloropropene  
 Concen: 18.570 ug/l  
 RT: 10.07 min Scan# 1339  
 Delta R.T. -0.01 min  
 Lab File: VW009055.D  
 Acq: 08 Mar 2019 15:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 30.0  | 24.6  | 36.8  |
| 39      | 60.8  | 45.9  | 68.9  |





#55

1,1,2-Trichloroethane

Concen: 18.310 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW009055.D

Acq: 08 Mar 2019 15:28

Instrument :

MSVOA\_W

ClientSampleId :

VW0308SBS01

Tot Ion: 97 Resp: 40298

Ion Ratio Lower Upper

97 100

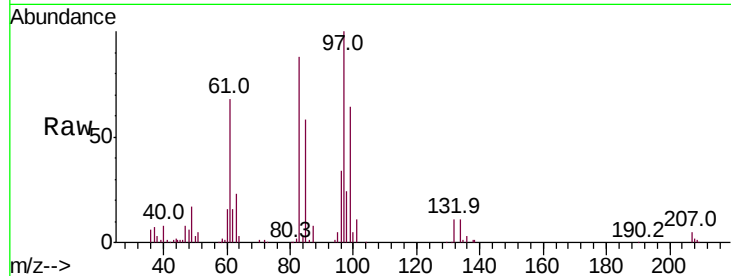
83 88.4 66.2 99.2

85 57.8 43.6 65.4

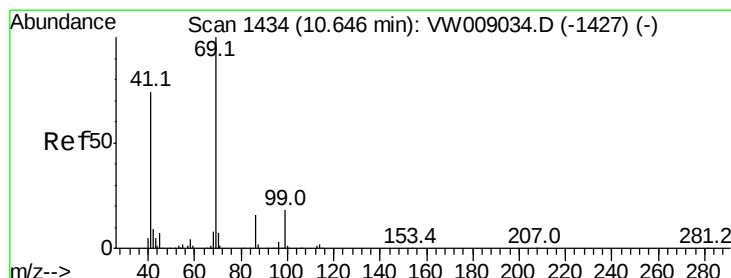
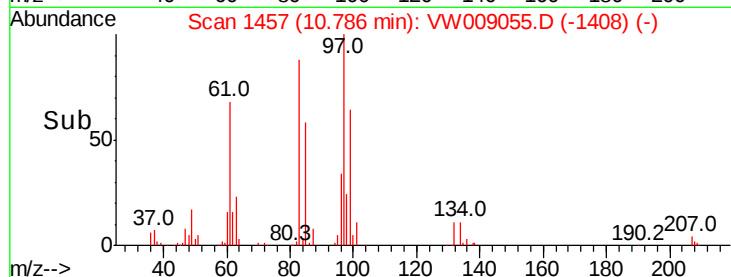
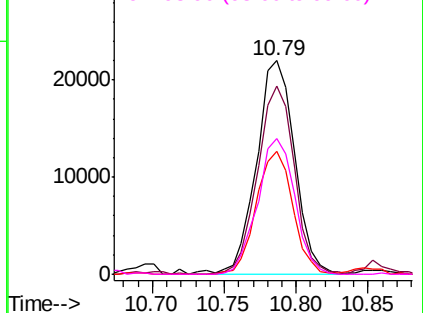
99 63.8 49.0 73.4

Manual Integrations  
APPROVED

MMDadoda  
3/11/2019 2:53:23 PM



Abundance Ion 96.90 (96.60 to 97.60): VW  
Ion 82.90 (82.60 to 83.60): VW  
Ion 84.90 (84.60 to 85.60): VW  
Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 16.667 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW009055.D

Acq: 08 Mar 2019 15:28

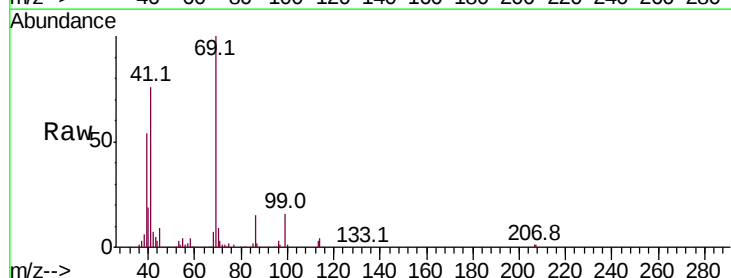
Tgt Ion: 69 Resp: 45525

Ion Ratio Lower Upper

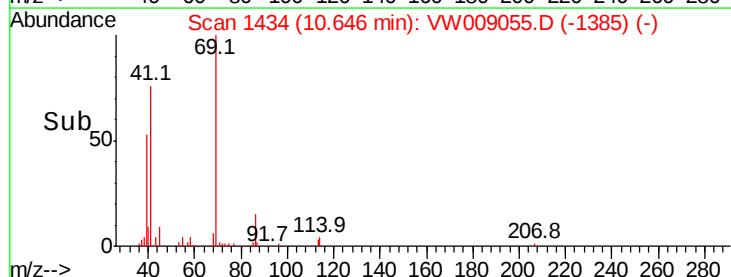
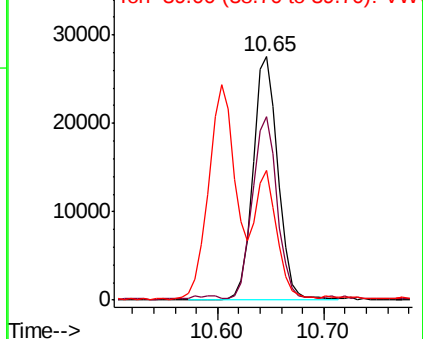
69 100

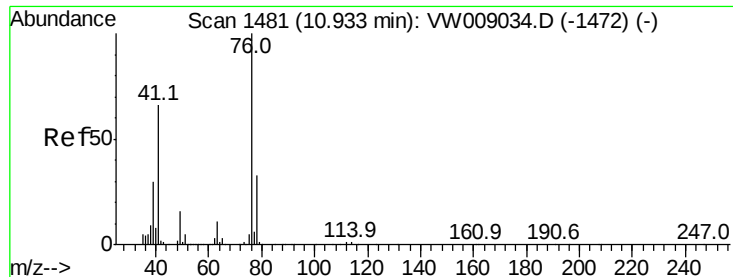
41 74.4 59.4 89.2

39 45.4 38.5 57.7



Abundance Ion 69.00 (68.70 to 69.70): VW  
Ion 41.00 (40.70 to 41.70): VW  
Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 18.116 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW009055.D

Acq: 08 Mar 2019 15:28

Instrument :

MSVOA\_W

ClientSampleId :

VW0308SBS01

Tot Ion: 76 Resp: 70633

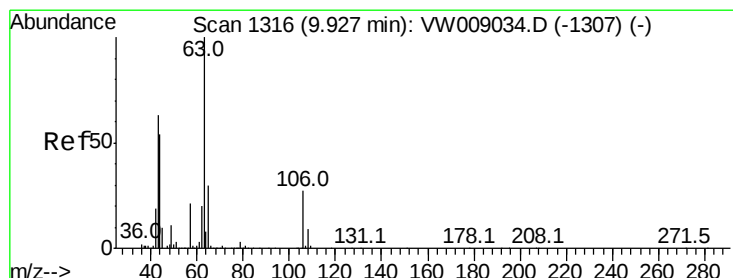
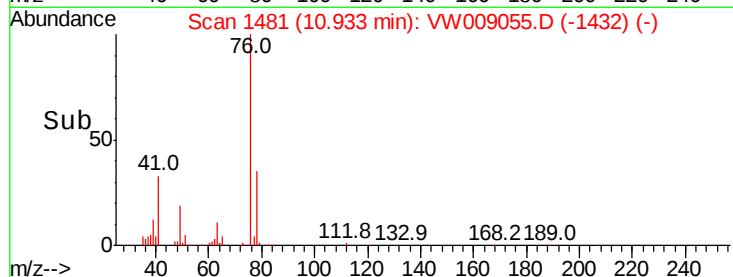
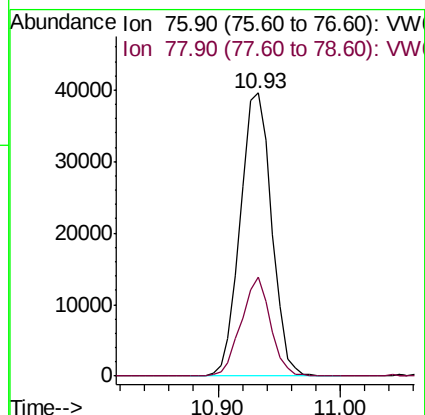
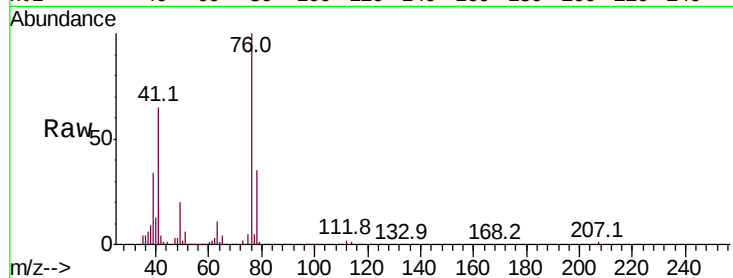
Ion Ratio Lower Upper

76 100

78 33.0 25.7 38.5

Manual Integrations  
APPROVED

MMDadoda  
3/11/2019 2:53:23 PM



#58

2-Chloroethyl Vinyl ether

Concen: 82.913 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW009055.D

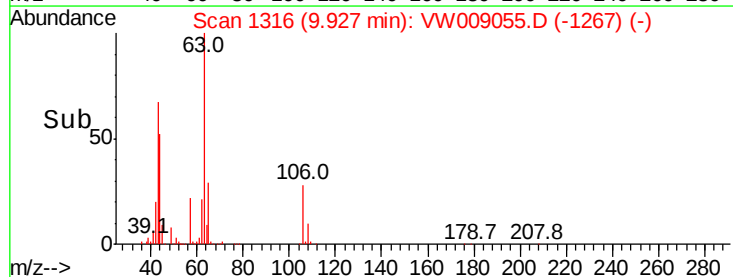
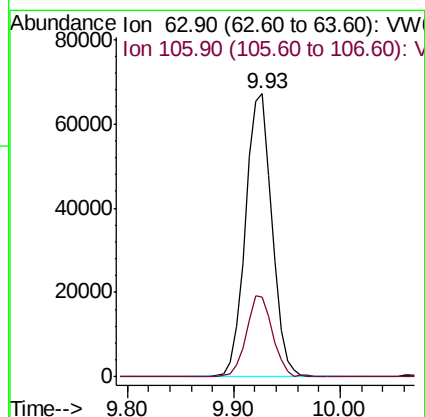
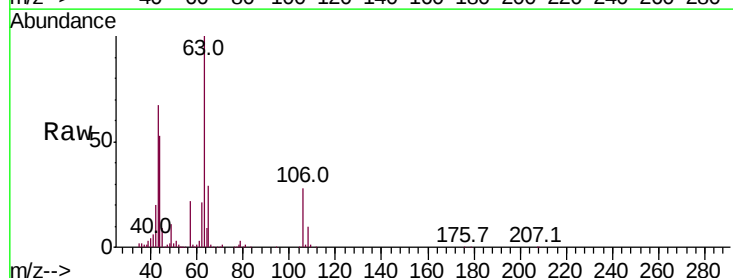
Acq: 08 Mar 2019 15:28

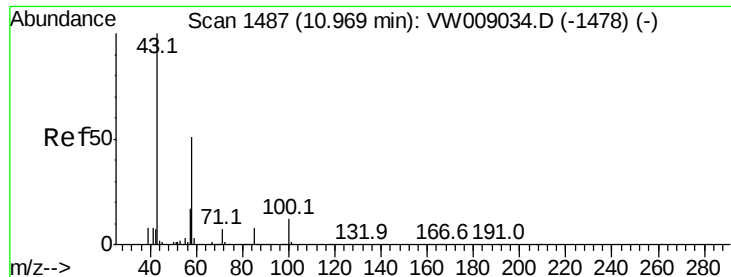
Tgt Ion: 63 Resp: 117408

Ion Ratio Lower Upper

63 100

106 28.5 23.0 34.6





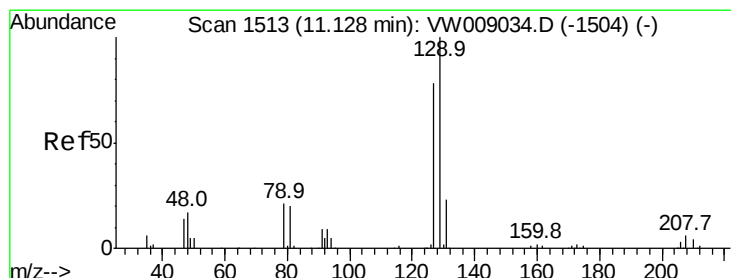
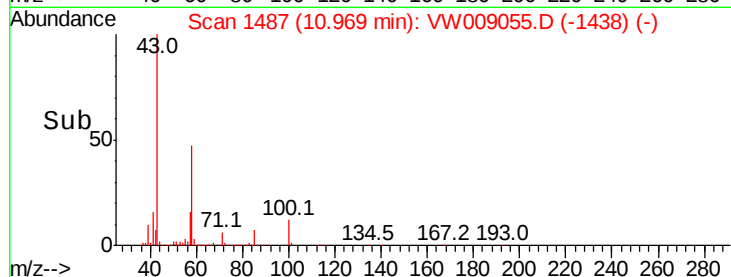
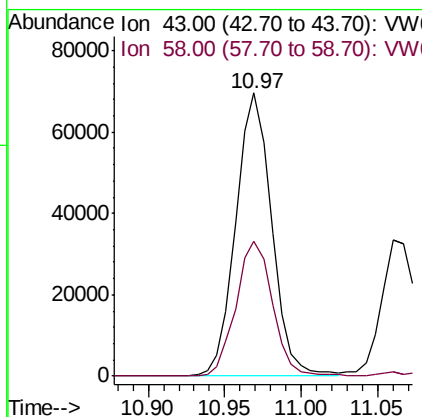
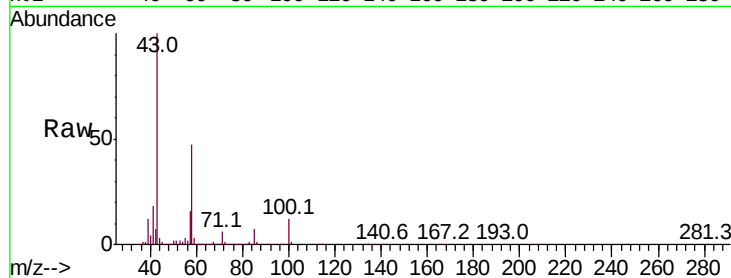
#59  
2-Hexanone  
Concen: 81.670 ug/l  
RT: 10.97 min Scan# 1487  
Delta R.T. -0.00 min  
Lab File: VW009055.D  
Acq: 08 Mar 2019 15:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0308SBS01

Tot Ion: 43 Resp: 113412  
Ion Ratio Lower Upper  
43 100  
58 48.7 25.3 75.9

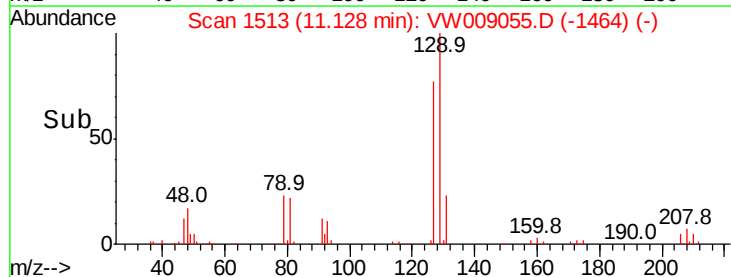
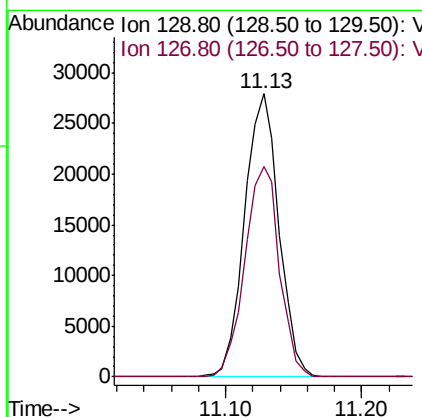
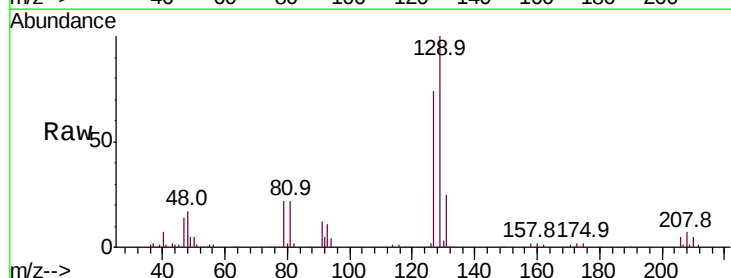
Manual Integrations  
APPROVED

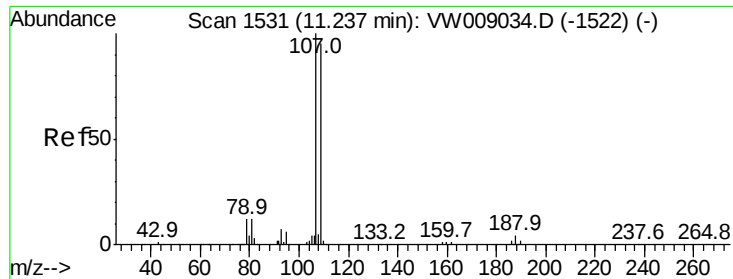
MMDadoda  
3/11/2019 2:53:23 PM



#60  
Dibromochloromethane  
Concen: 18.059 ug/l  
RT: 11.13 min Scan# 1513  
Delta R.T. 0.00 min  
Lab File: VW009055.D  
Acq: 08 Mar 2019 15:28

Tgt Ion: 129 Resp: 49187  
Ion Ratio Lower Upper  
129 100  
127 75.3 38.4 115.1





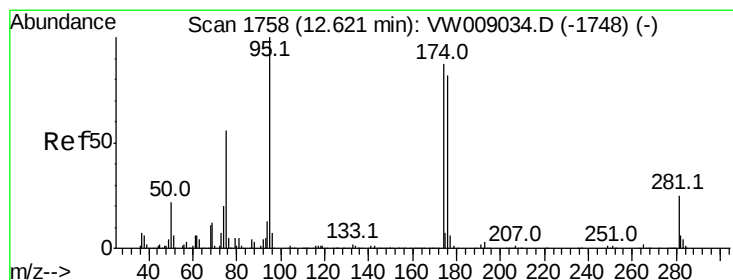
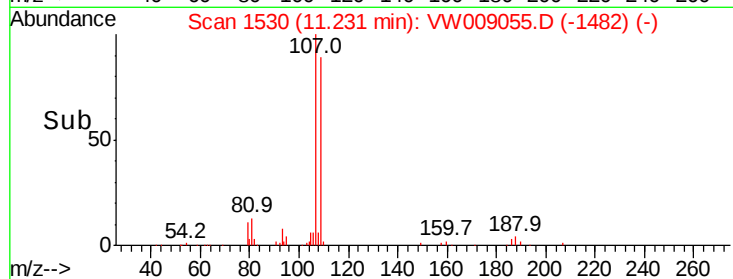
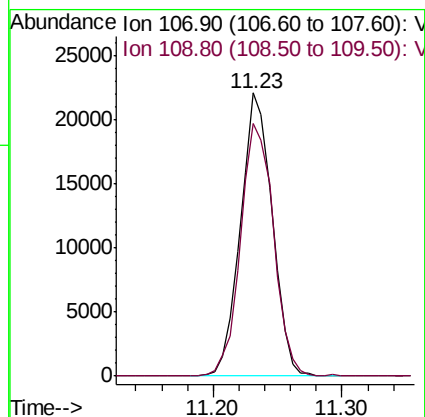
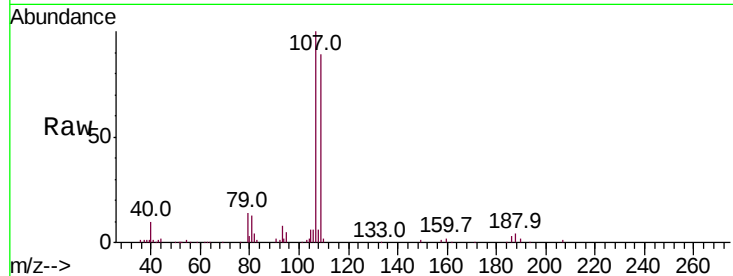
#61  
 1,2-Dibromoethane  
 Concen: 17.417 ug/l  
 RT: 11.23 min Scan# 1530  
 Delta R.T. -0.01 min  
 Lab File: VW009055.D  
 Acq: 08 Mar 2019 15:28

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0308SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 92.7  | 74.7  | 112.1 |

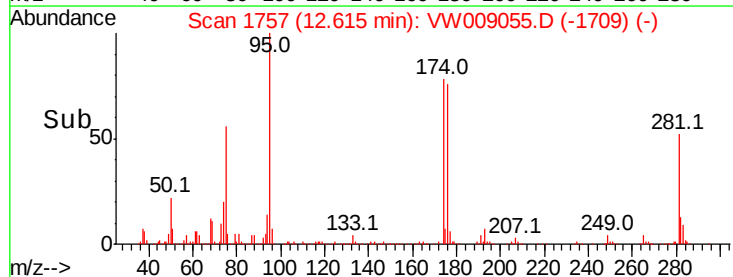
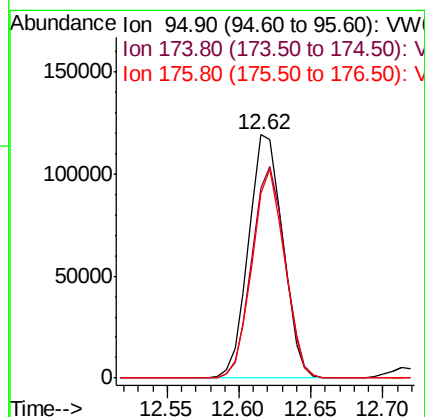
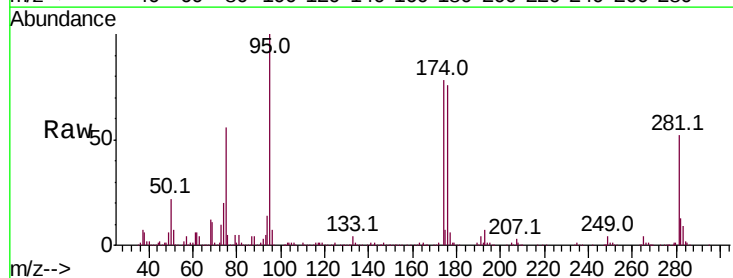
Manual Integrations  
 APPROVED

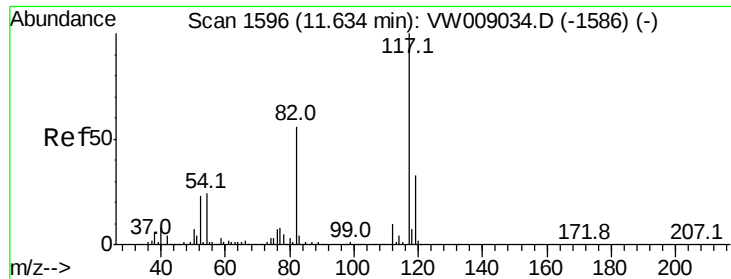
MMDadoda  
 3/11/2019 2:53:23 PM



#62  
 4-Bromofluorobenzene  
 Concen: 47.376 ug/l  
 RT: 12.62 min Scan# 1757  
 Delta R.T. -0.01 min  
 Lab File: VW009055.D  
 Acq: 08 Mar 2019 15:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 84.4  | 0.0   | 167.0 |
| 176     | 81.8  | 0.0   | 159.4 |





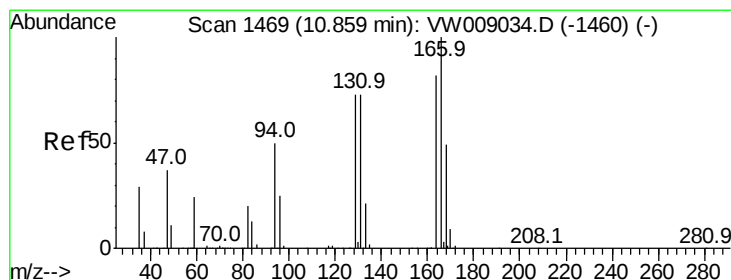
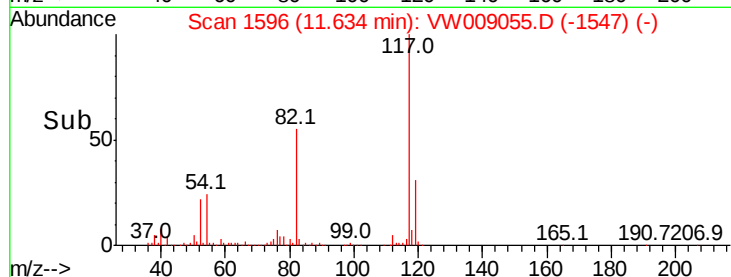
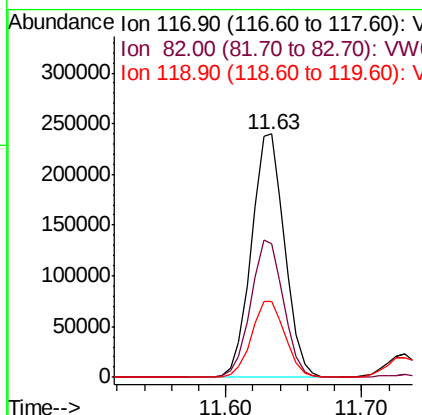
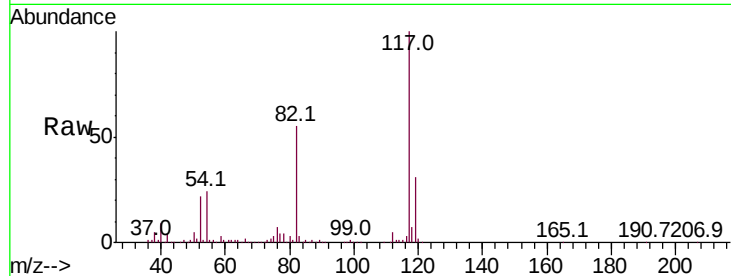
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW009055.D  
Acq: 08 Mar 2019 15:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0308SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 55.0  | 45.0  | 67.6  |
| 119     | 31.4  | 26.6  | 39.8  |

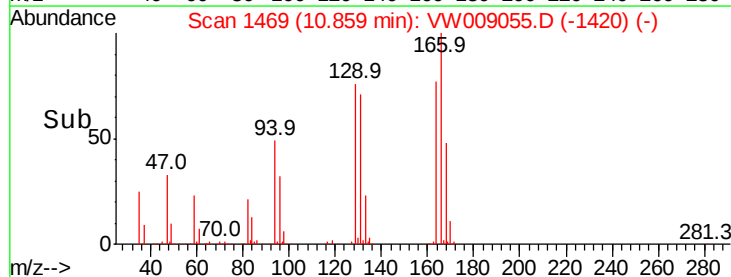
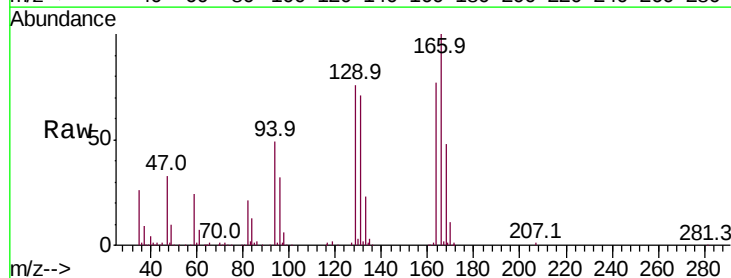
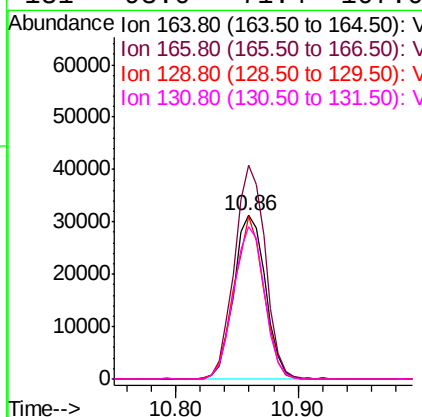
Manual Integrations  
APPROVED

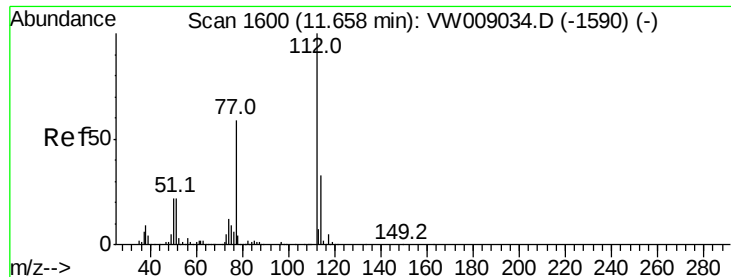
MMDadoda  
3/11/2019 2:53:23 PM



#64  
Tetrachloroethene  
Concen: 18.924 ug/l  
RT: 10.86 min Scan# 1469  
Delta R.T. -0.00 min  
Lab File: VW009055.D  
Acq: 08 Mar 2019 15:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 130.6 | 97.8  | 146.6 |
| 129     | 99.2  | 71.6  | 107.4 |
| 131     | 93.0  | 71.4  | 107.0 |





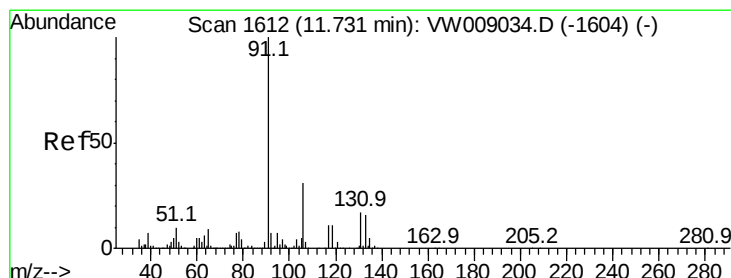
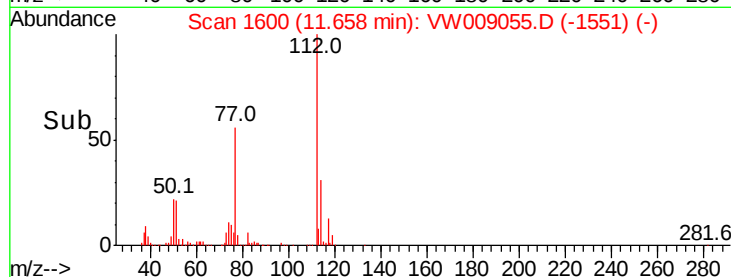
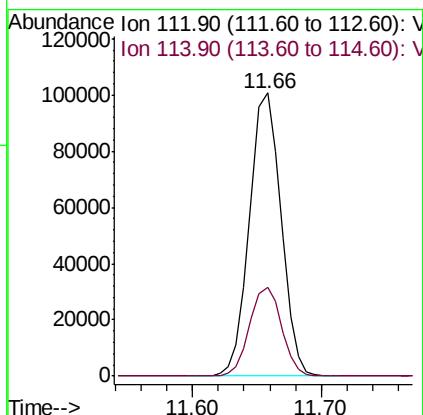
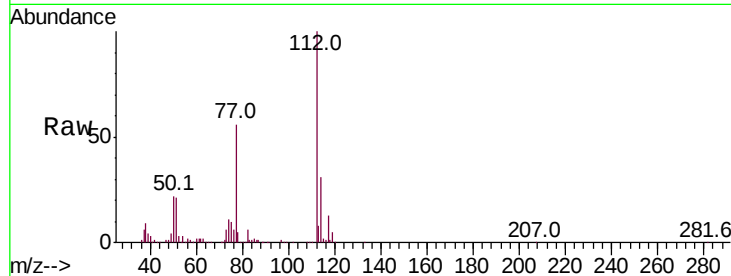
#65  
Chlorobenzene  
Concen: 19.138 ug/l  
RT: 11.66 min Scan# 1600  
Delta R.T. -0.00 min  
Lab File: VW009055.D  
Acq: 08 Mar 2019 15:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0308SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 31.3  | 26.6  | 40.0  |

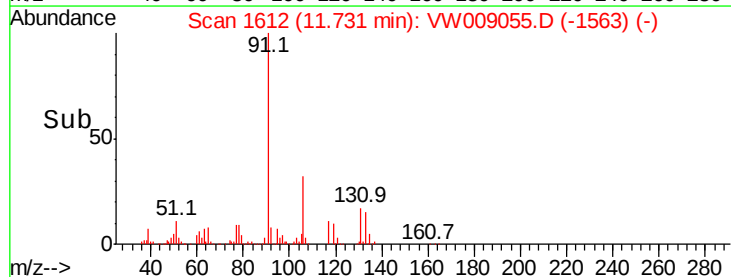
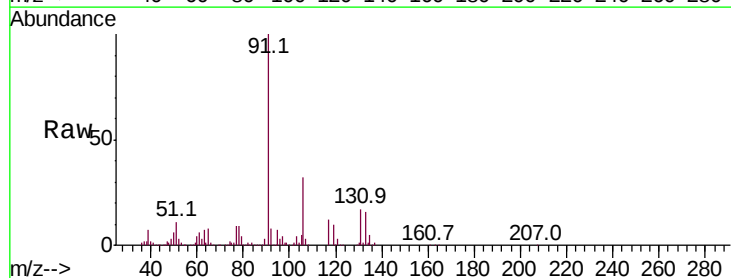
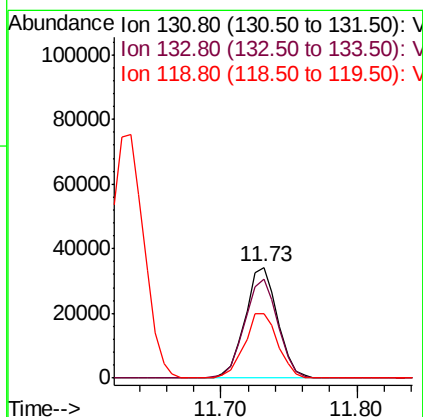
Manual Integrations  
APPROVED

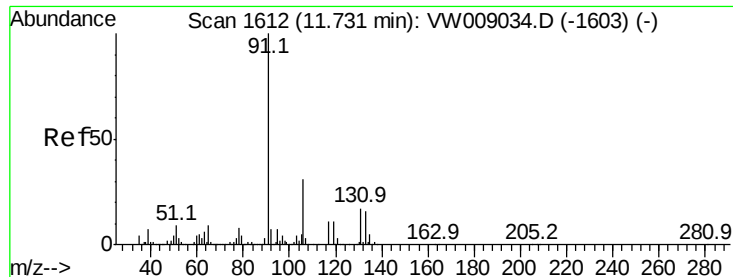
MMDadoda  
3/11/2019 2:53:23 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 19.250 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. 0.00 min  
Lab File: VW009055.D  
Acq: 08 Mar 2019 15:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 91.5  | 47.6  | 142.8 |
| 119     | 59.8  | 31.3  | 93.8  |





#67

Ethyl Benzene

Concen: 19.023 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009055.D

Acq: 08 Mar 2019 15:28

Instrument :

MSVOA\_W

ClientSampleId :

VW0308SBS01

Tot Ion: 91 Resp: 306364

Ion Ratio Lower Upper

91 100

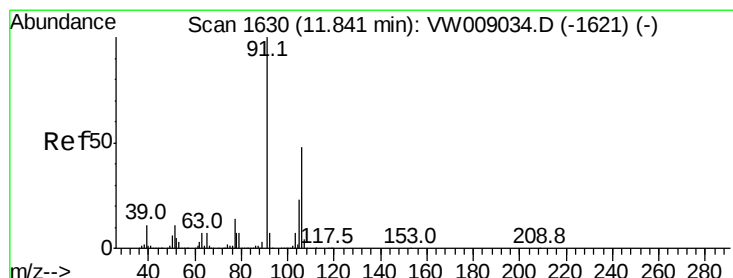
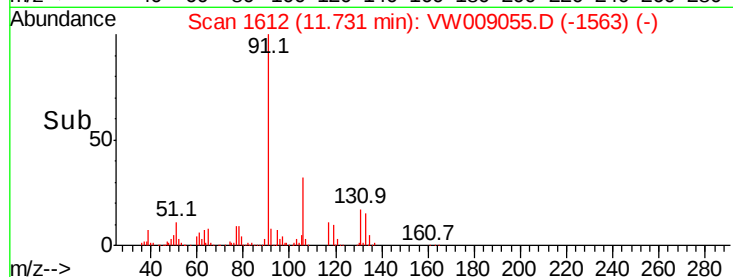
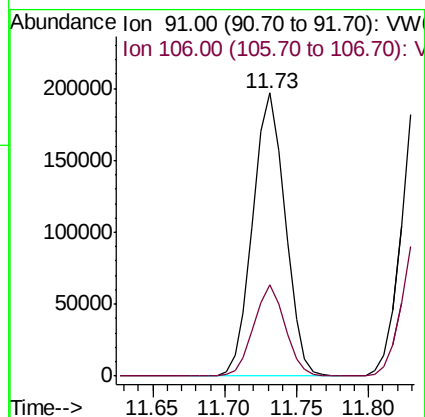
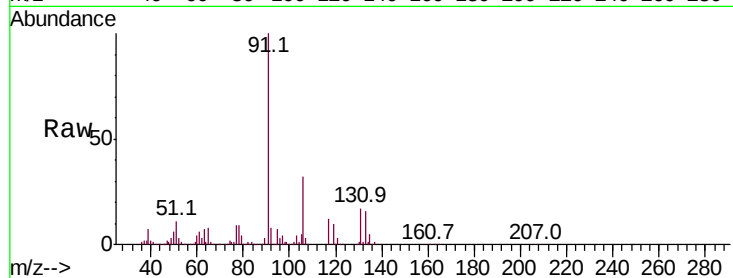
106 32.3 25.0 37.4

Manual Integrations

APPROVED

MMDadoda

3/11/2019 2:53:23 PM



#68

m/p-Xylenes

Concen: 38.543 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW009055.D

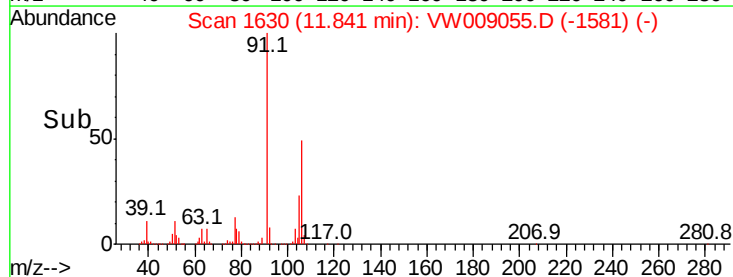
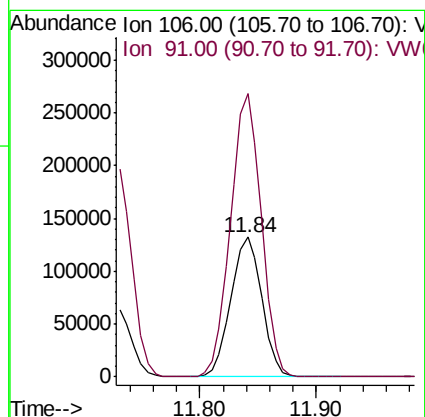
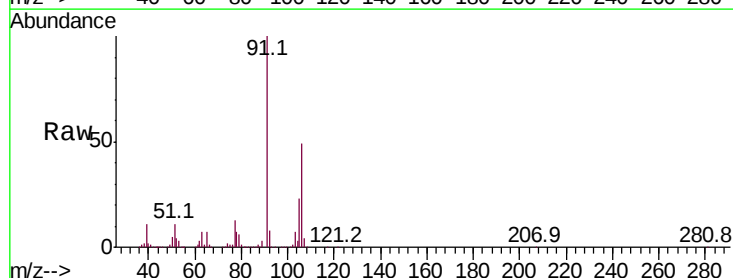
Acq: 08 Mar 2019 15:28

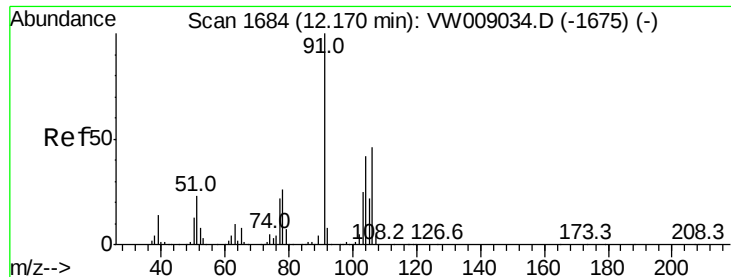
Tgt Ion: 106 Resp: 245013

Ion Ratio Lower Upper

106 100

91 201.2 163.2 244.8





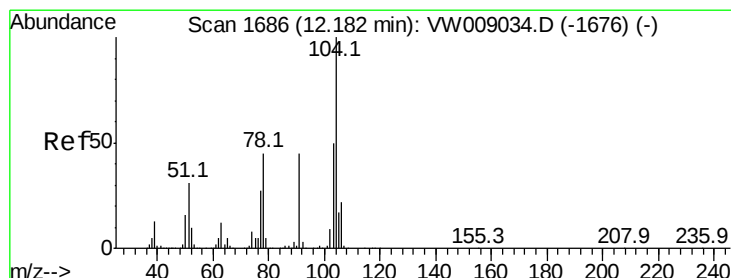
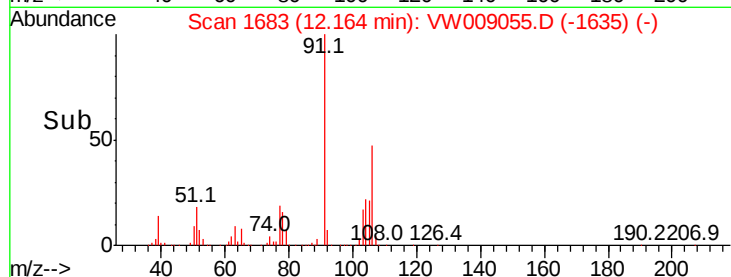
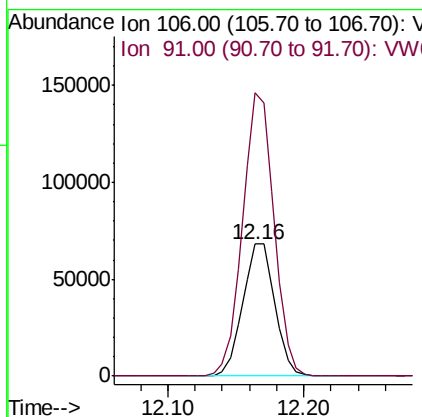
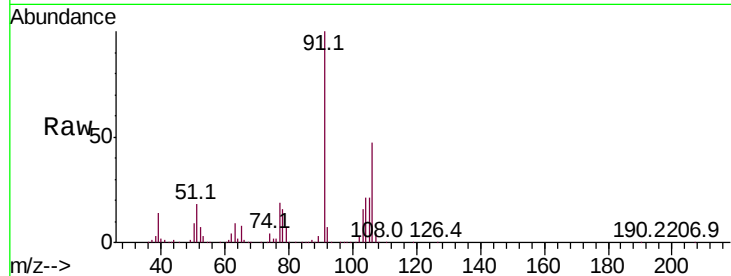
#69  
o-Xylene  
Concen: 19.015 ug/l  
RT: 12.16 min Scan# 1683  
Delta R.T. -0.01 min  
Lab File: VW009055.D  
Acq: 08 Mar 2019 15:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0308SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 210.0 | 108.6 | 325.6 |

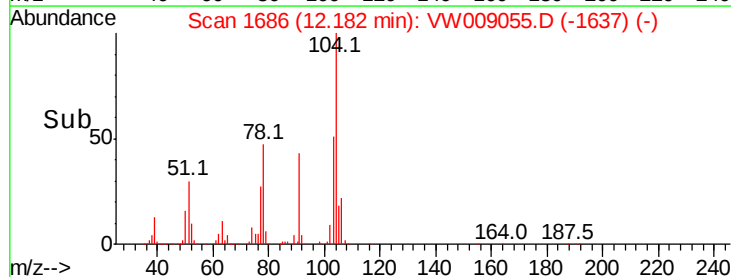
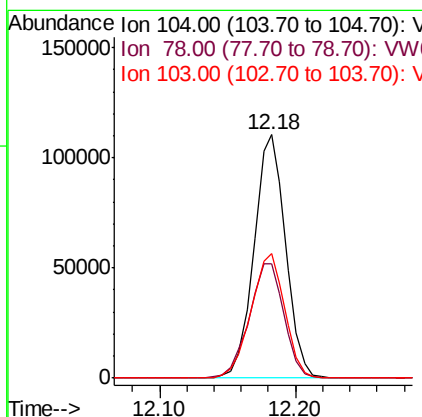
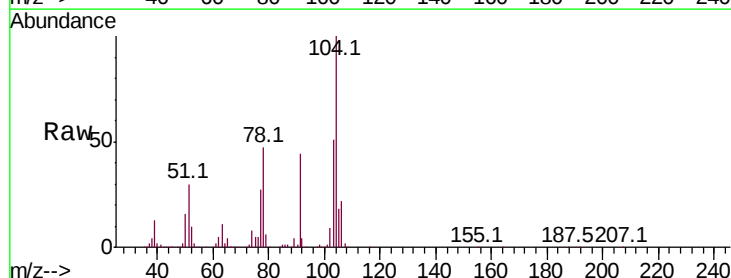
Manual Integrations  
APPROVED

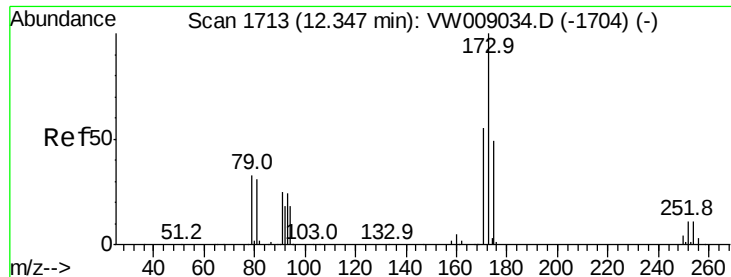
MMDadoda  
3/11/2019 2:53:23 PM



#70  
Styrene  
Concen: 18.792 ug/l  
RT: 12.18 min Scan# 1686  
Delta R.T. -0.00 min  
Lab File: VW009055.D  
Acq: 08 Mar 2019 15:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 52.1  | 42.1  | 63.1  |
| 103     | 55.0  | 43.9  | 65.9  |





#71

Bromoform

Concen: 17.747 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW009055.D

Acq: 08 Mar 2019 15:28

Instrument :

MSVOA\_W

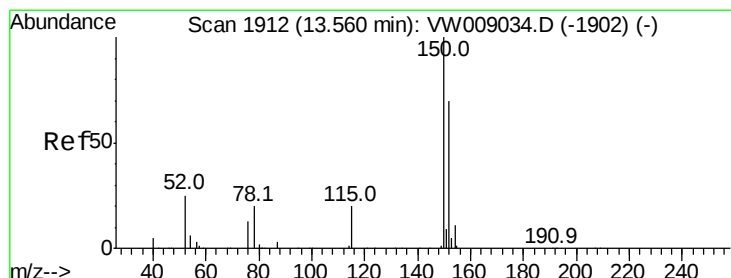
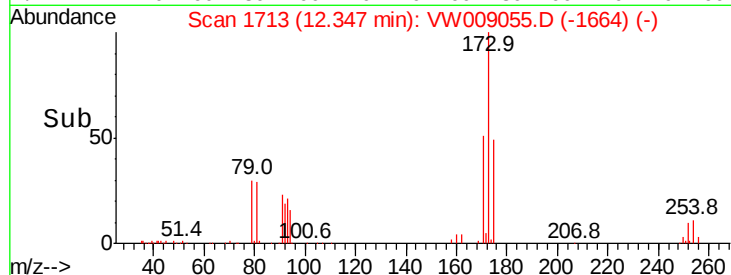
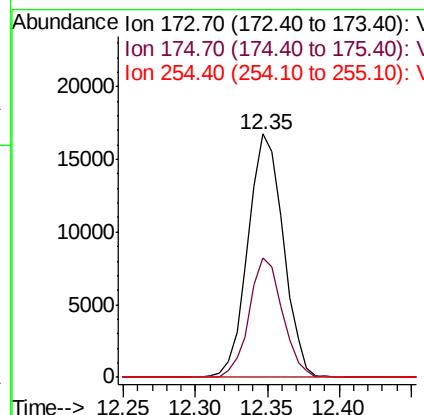
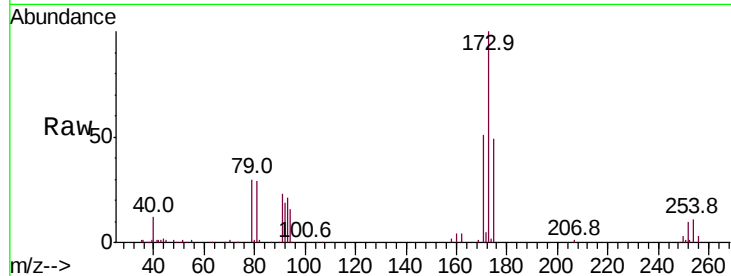
ClientSampleId :

VW0308SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 173   | Resp: | 28365 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 46.4  | 24.6  | 74.0  |
| 254       | 0.0   | 0.0   | 0.0   |

Manual Integrations  
APPROVED

MMDadoda  
3/11/2019 2:53:23 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

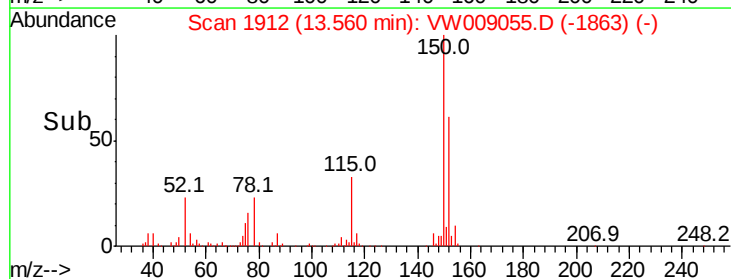
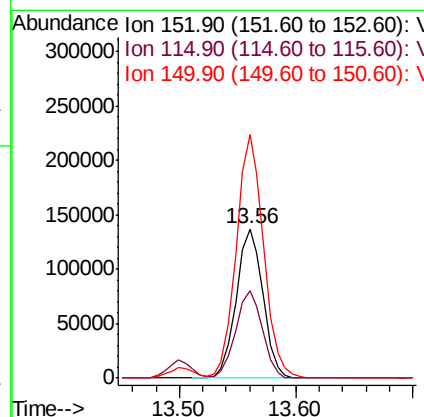
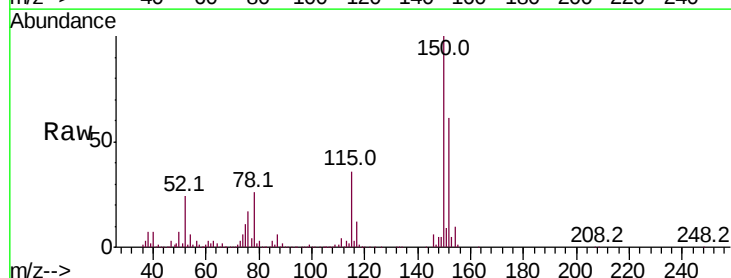
RT: 13.56 min Scan# 1912

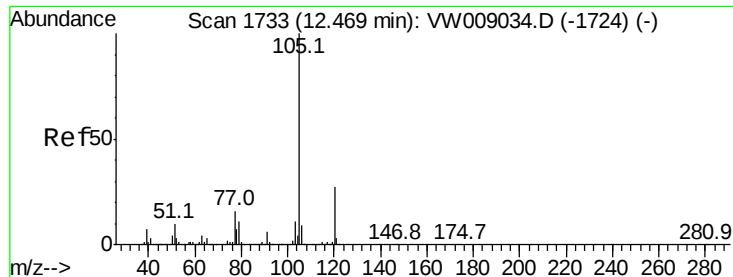
Delta R.T. -0.00 min

Lab File: VW009055.D

Acq: 08 Mar 2019 15:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 218332 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 58.6  | 28.9  | 86.7   |
| 150       | 166.7 | 0.0   | 349.2  |





#73

Isopropylbenzene

Concen: 19.776 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW009055.D

Acq: 08 Mar 2019 15:28

Instrument :

MSVOA\_W

ClientSampleId :

VW0308SBS01

Tot Ion:105 Resp: 309199

Ion Ratio Lower Upper

105 100

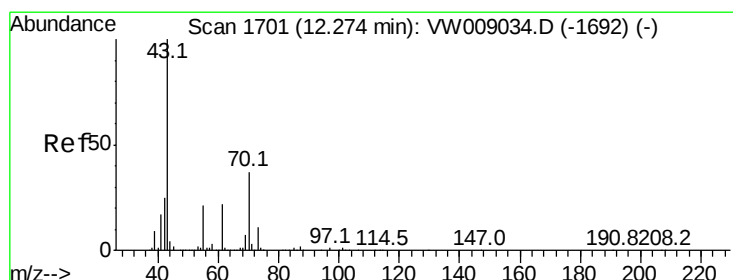
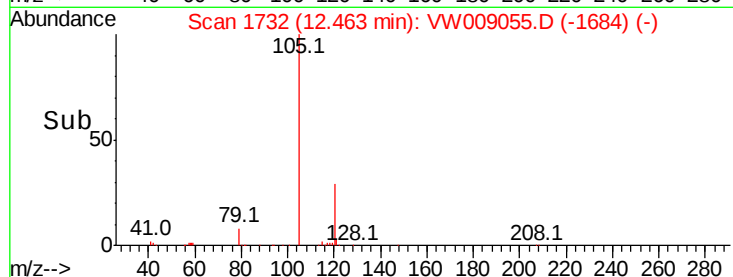
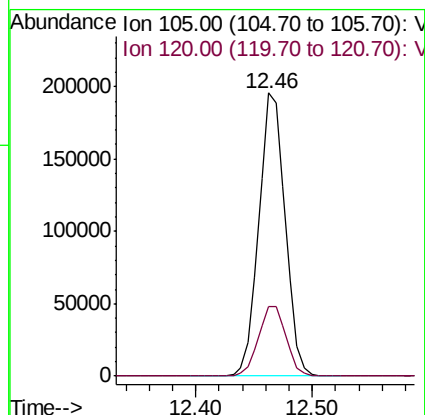
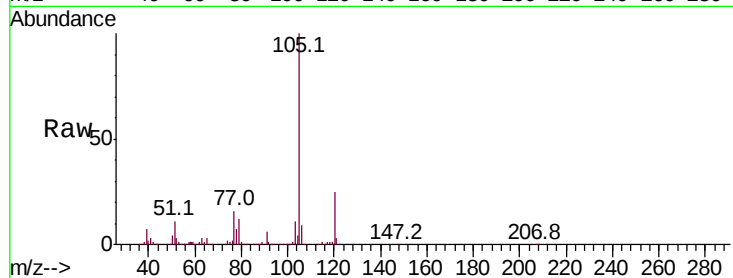
120 25.9 13.2 39.6

Manual Integrations

APPROVED

MMDadoda

3/11/2019 2:53:23 PM



#74

N-ethyl acetate

Concen: 16.975 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW009055.D

Acq: 08 Mar 2019 15:28

Tgt Ion: 43 Resp: 62831

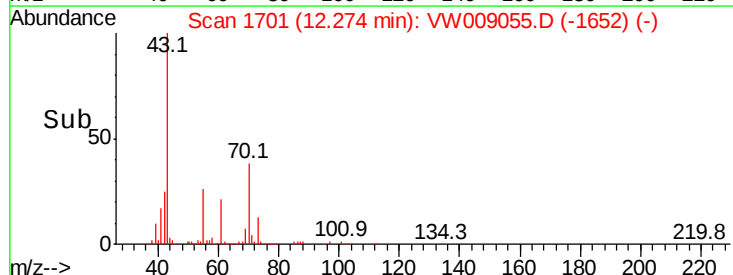
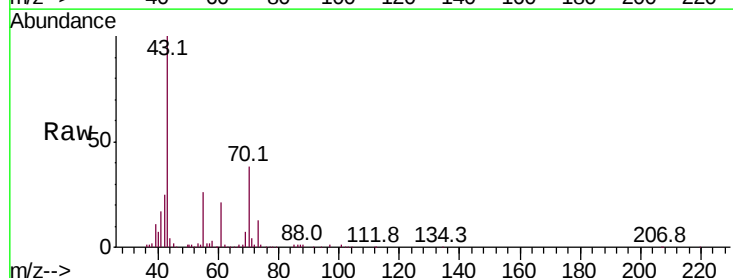
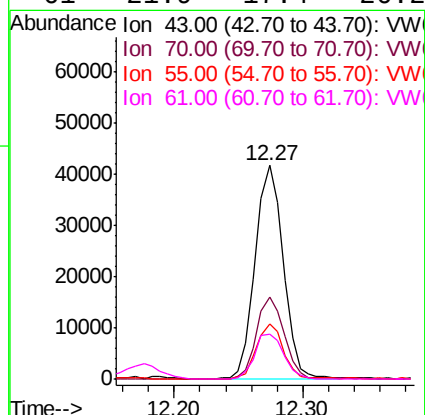
Ion Ratio Lower Upper

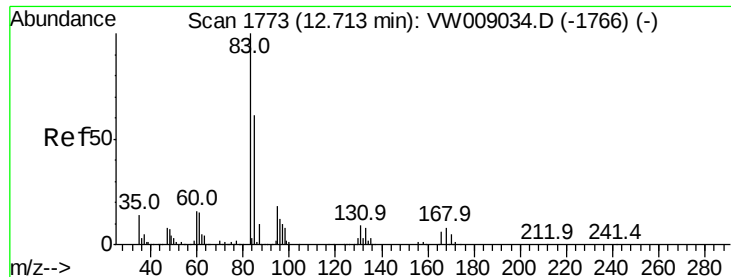
43 100

70 38.1 30.8 46.2

55 24.7 17.8 26.8

61 21.9 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 18.120 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW009055.D

Acq: 08 Mar 2019 15:28

Instrument :

MSVOA\_W

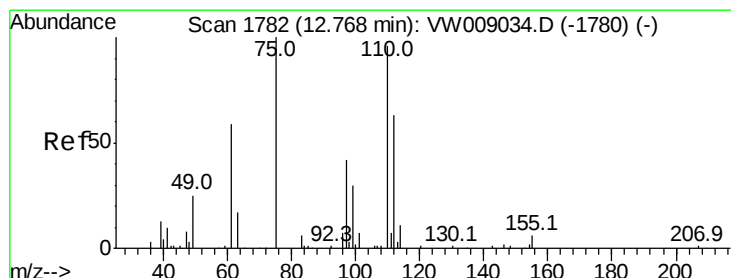
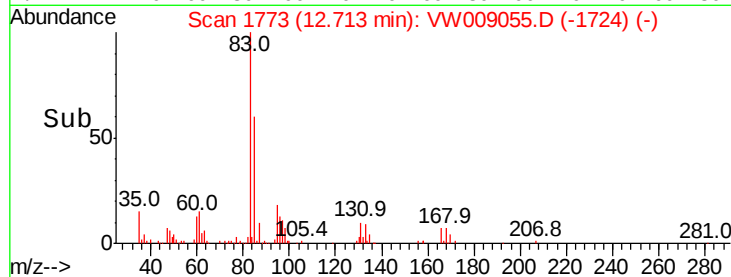
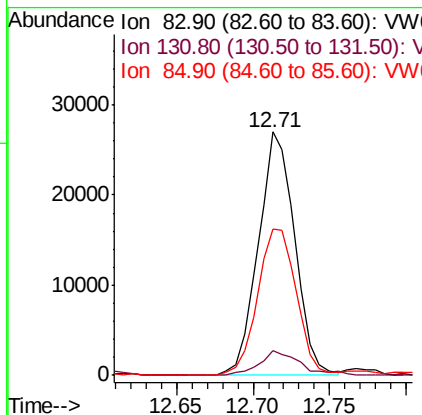
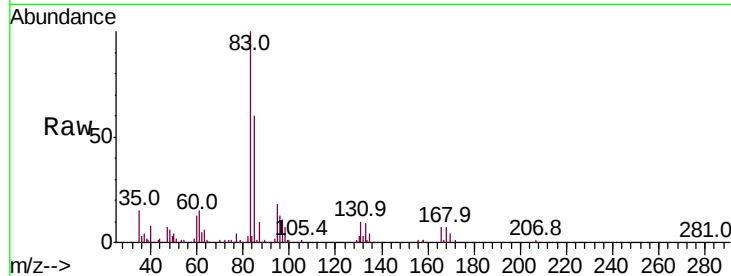
ClientSampleId :

VW0308SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 44688 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 11.4  | 5.5   | 16.7  |
| 85        | 64.2  | 31.7  | 95.1  |

Manual Integrations  
APPROVED

MMDadoda  
3/11/2019 2:53:23 PM



#76

1,2,3-Trichloropropane

Concen: 18.543 ug/l m

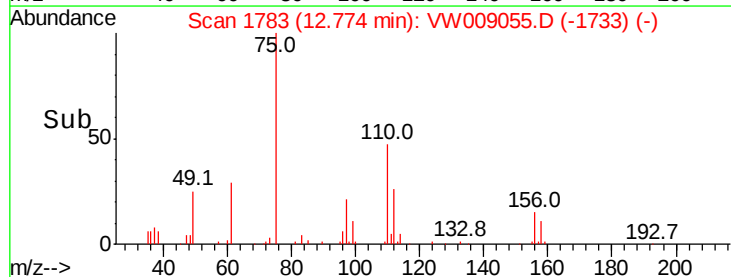
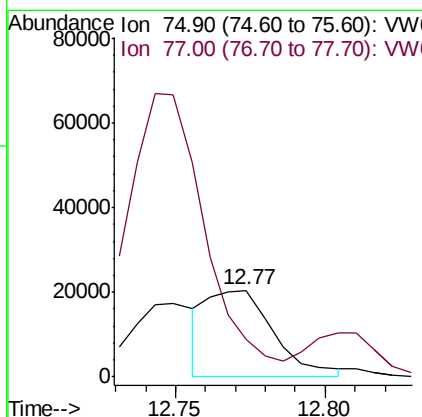
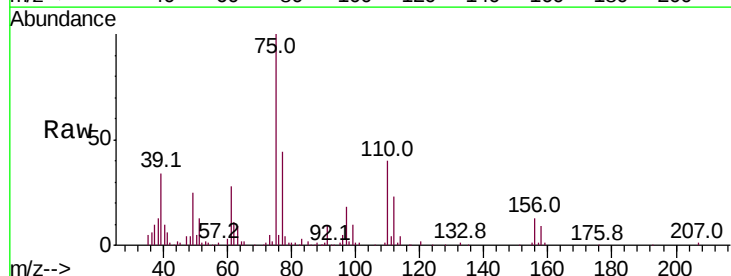
RT: 12.77 min Scan# 1783

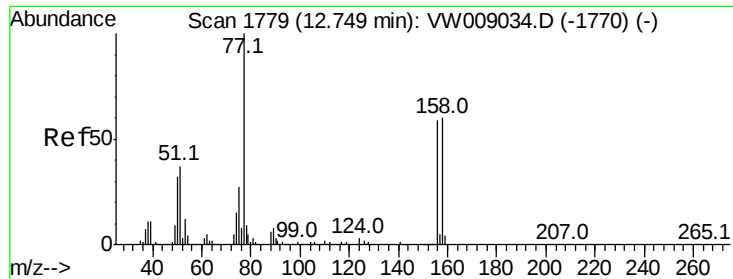
Delta R.T. 0.01 min

Lab File: VW009055.D

Acq: 08 Mar 2019 15:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 31987  |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 186.7 | 560.0# |





#77

Bromobenzene

Concen: 19.705 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW009055.D

Acq: 08 Mar 2019 15:28

Instrument :

MSVOA\_W

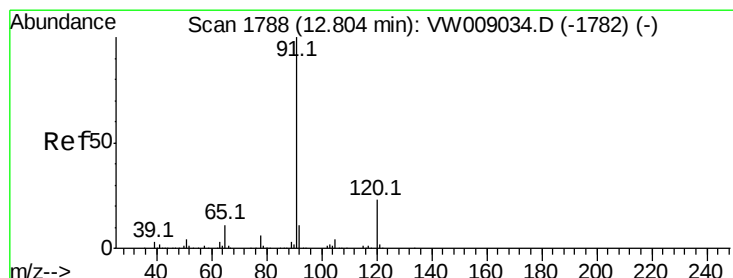
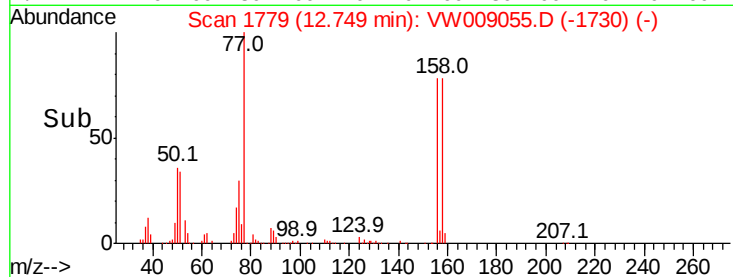
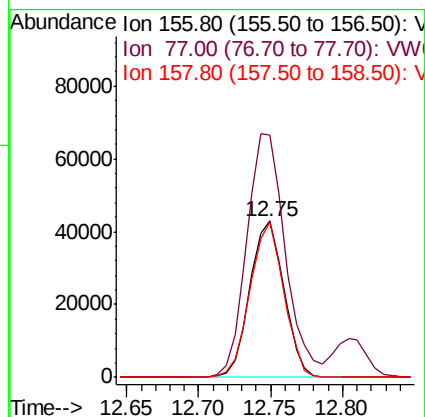
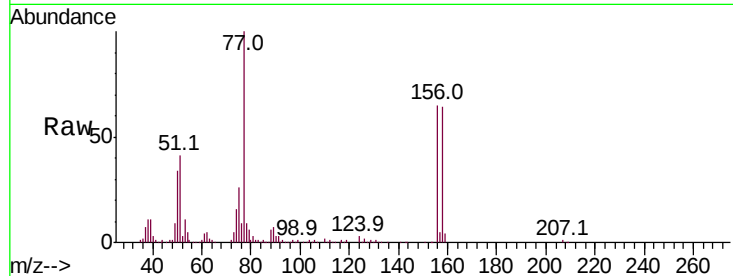
ClientSampleId :

VW0308SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 176.6 | 93.0  | 279.2 |
| 158     | 97.7  | 50.0  | 149.8 |

Manual Integrations  
APPROVED

MMDadoda  
3/11/2019 2:53:23 PM



#78

n-propylbenzene

Concen: 19.826 ug/l

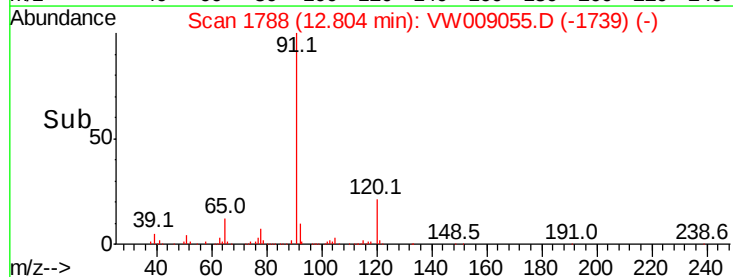
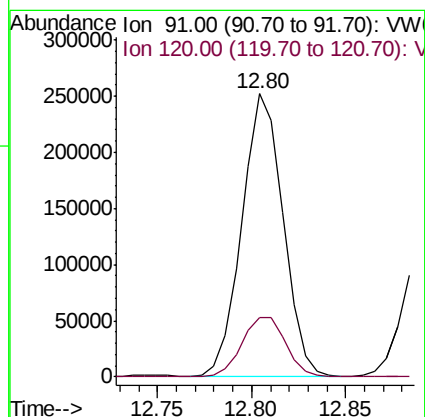
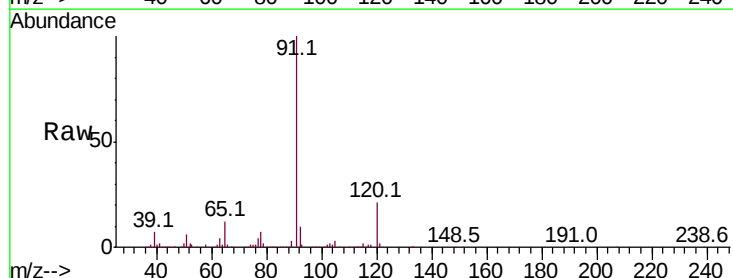
RT: 12.80 min Scan# 1788

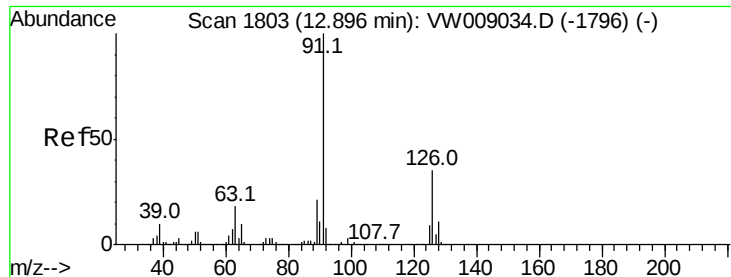
Delta R.T. -0.00 min

Lab File: VW009055.D

Acq: 08 Mar 2019 15:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 22.5  | 11.4  | 34.2  |





#79

2-Chlorotoluene

Concen: 19.642 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW009055.D

Acq: 08 Mar 2019 15:28

Instrument :

MSVOA\_W

ClientSampleId :

VW0308SBS01

Tot Ion: 91 Resp: 212530

Ion Ratio Lower Upper

91 100

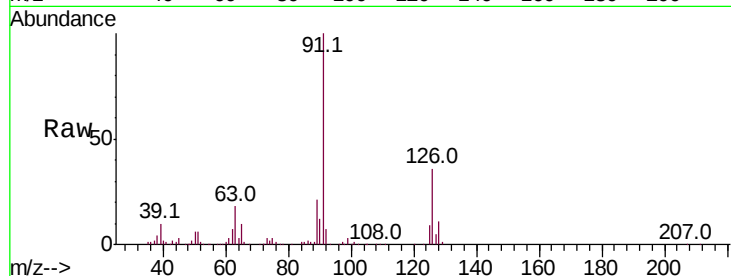
126 34.3 16.8 50.4

Manual Integrations

APPROVED

MMDadoda

3/11/2019 2:53:23 PM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

250000

200000

150000

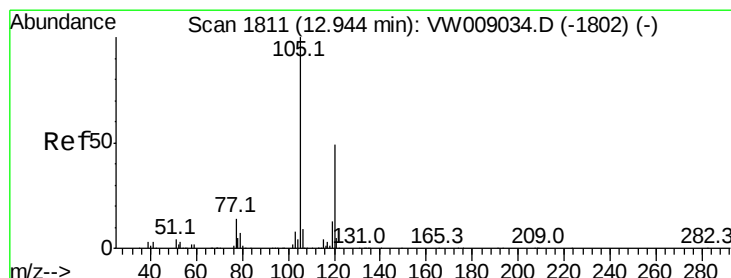
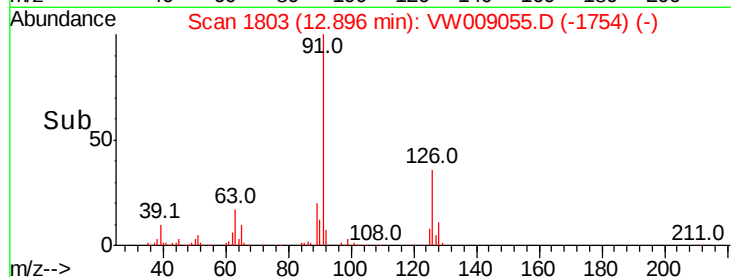
100000

50000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.540 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW009055.D

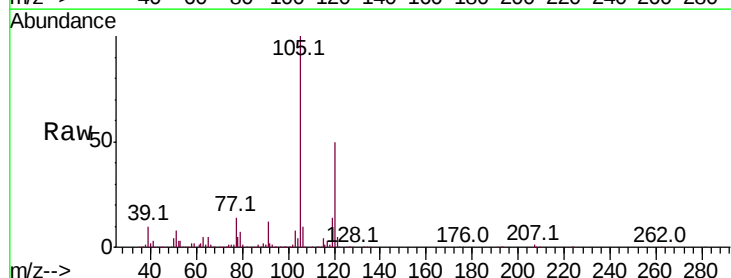
Acq: 08 Mar 2019 15:28

Tgt Ion: 105 Resp: 263342

Ion Ratio Lower Upper

105 100

120 49.7 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

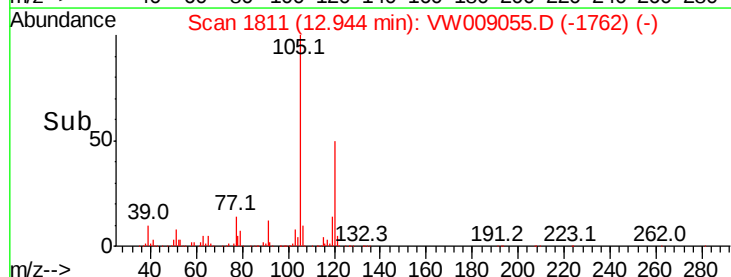
100000

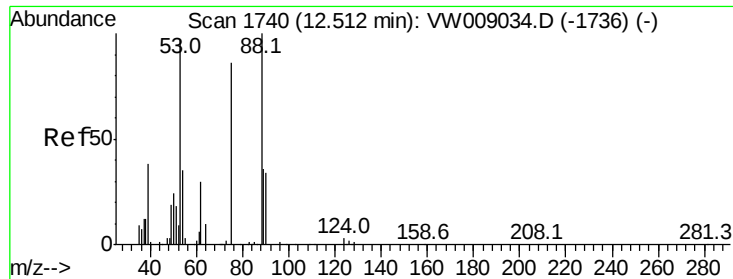
50000

0

12.90 12.94 12.98

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 17.016 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW009055.D

Acq: 08 Mar 2019 15:28

Instrument :

MSVOA\_W

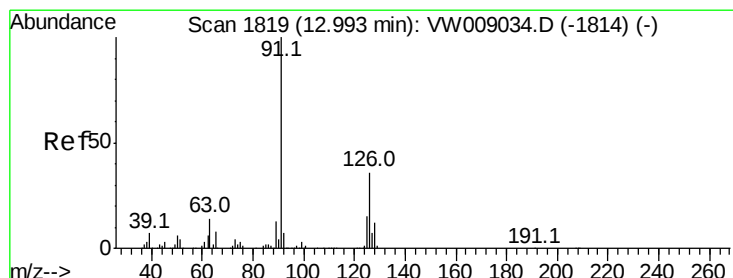
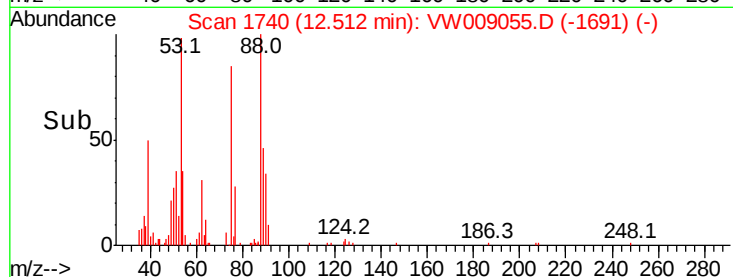
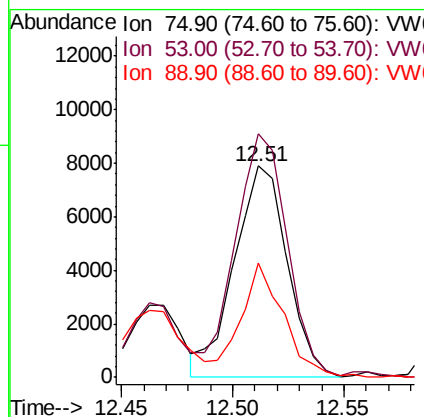
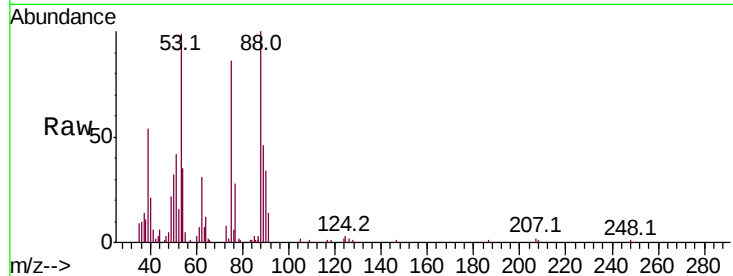
ClientSampleId :

VW0308SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 75    | Resp: | 13123 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 53        | 110.0 | 90.5  | 135.7 |
| 89        | 44.3  | 37.5  | 56.3  |

Manual Integrations  
APPROVED

MMDadoda  
3/11/2019 2:53:23 PM



#82

4-Chlorotoluene

Concen: 19.305 ug/l

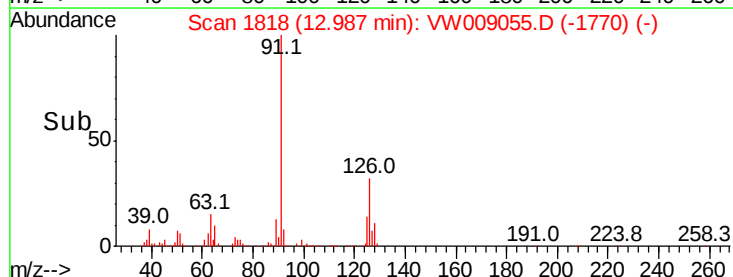
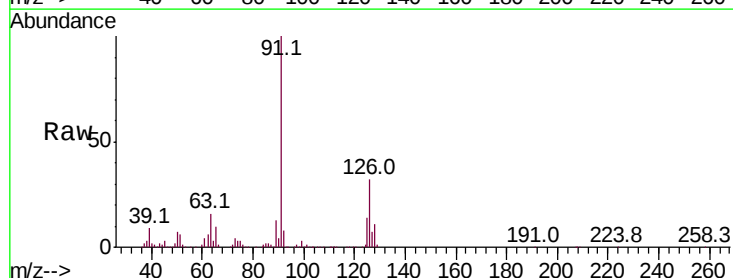
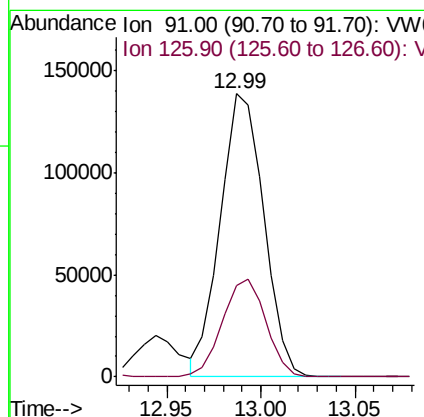
RT: 12.99 min Scan# 1818

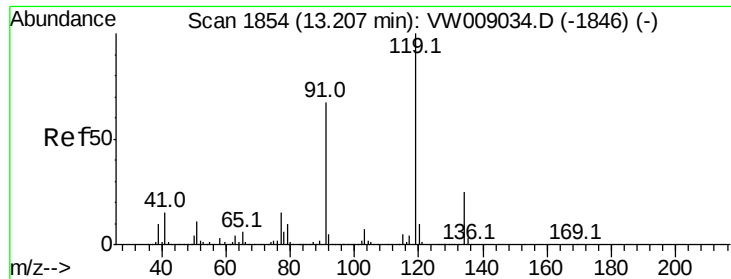
Delta R.T. -0.01 min

Lab File: VW009055.D

Acq: 08 Mar 2019 15:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 222661 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 126       | 34.6  | 16.6  | 49.8   |





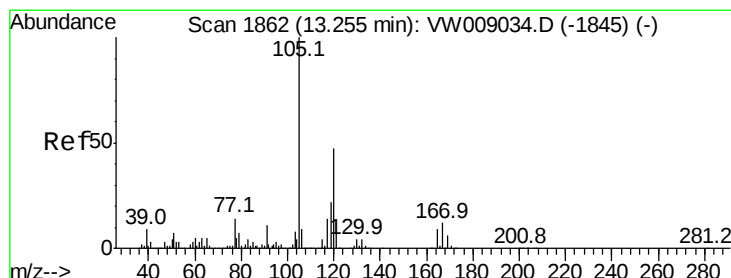
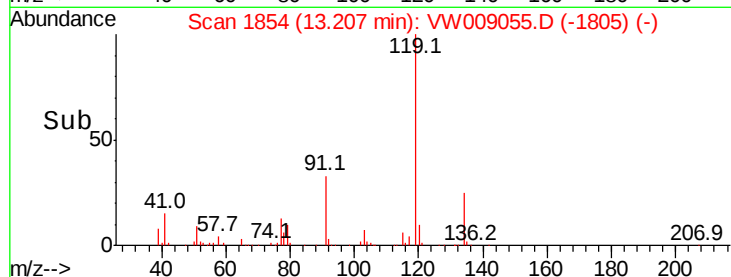
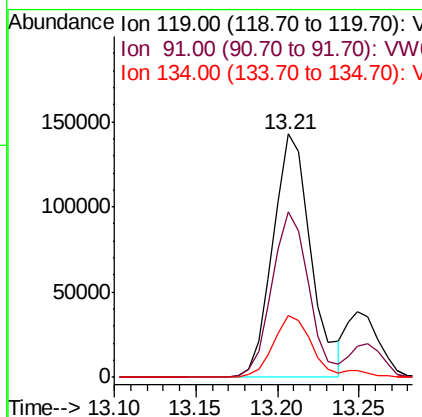
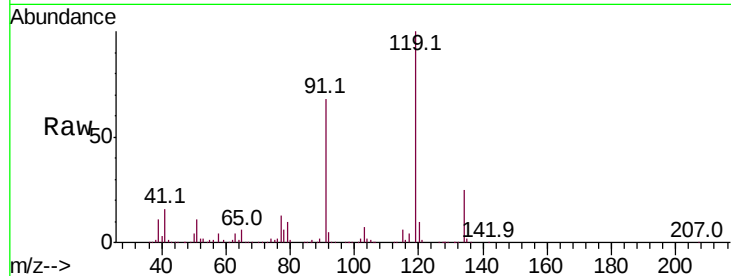
#83  
 tert-Butylbenzene  
 Concen: 20.264 ug/l  
 RT: 13.21 min Scan# 1854  
 Delta R.T. -0.00 min  
 Lab File: VW009055.D  
 Acq: 08 Mar 2019 15:28

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0308SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 230335 |       |       |
| 91      | 66.0  | 34.2   | 102.5 |       |
| 134     | 27.0  | 13.9   | 41.6  |       |

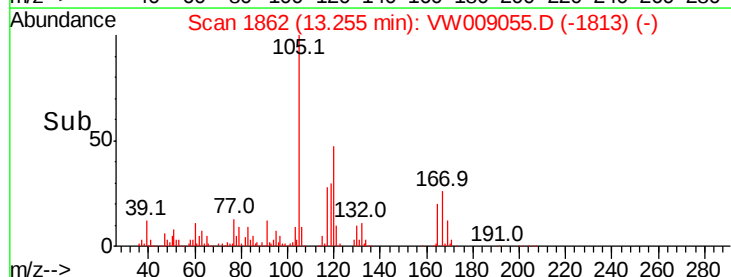
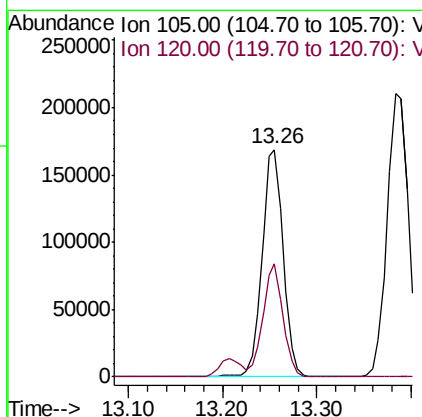
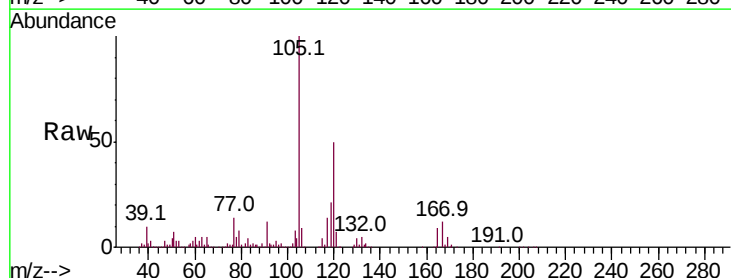
Manual Integrations  
 APPROVED

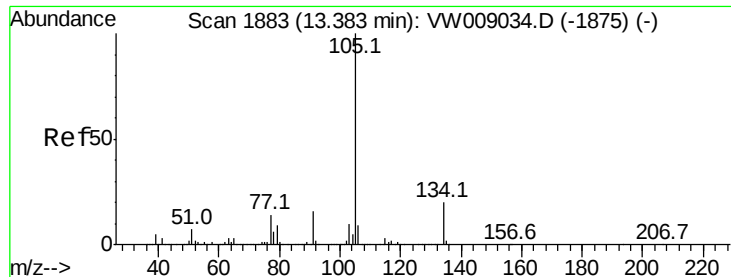
MMDadoda  
 3/11/2019 2:53:23 PM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 19.583 ug/l  
 RT: 13.26 min Scan# 1862  
 Delta R.T. 0.00 min  
 Lab File: VW009055.D  
 Acq: 08 Mar 2019 15:28

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 266978 |       |       |
| 120     | 47.2  | 22.8   | 68.4  |       |





#85

sec-Butylbenzene

Concen: 19.701 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW009055.D

Acq: 08 Mar 2019 15:28

Instrument :

MSVOA\_W

ClientSampleId :

VW0308SBS01

Tot Ion:105 Resp: 331779

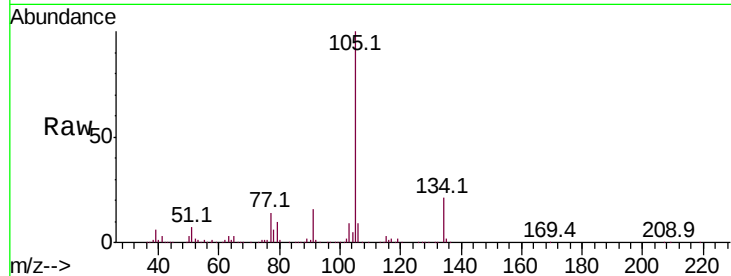
Ion Ratio Lower Upper

105 100

134 20.7 10.0 30.0

Manual Integrations  
APPROVED

MMDadoda  
3/11/2019 2:53:23 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

100000

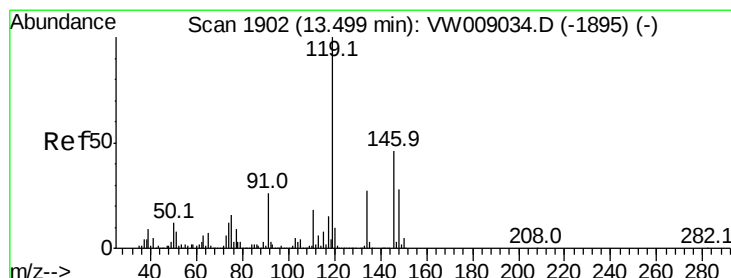
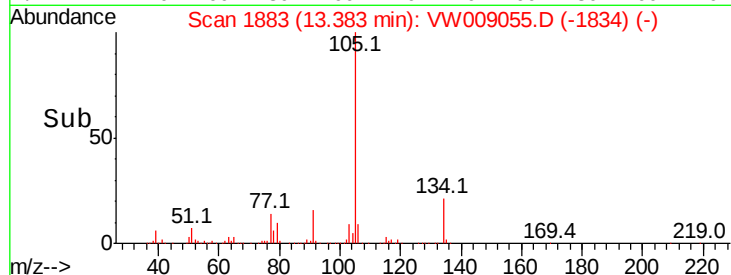
50000

0

13.30

13.40

Time-->



#86

p-Isopropyltoluene

Concen: 19.363 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW009055.D

Acq: 08 Mar 2019 15:28

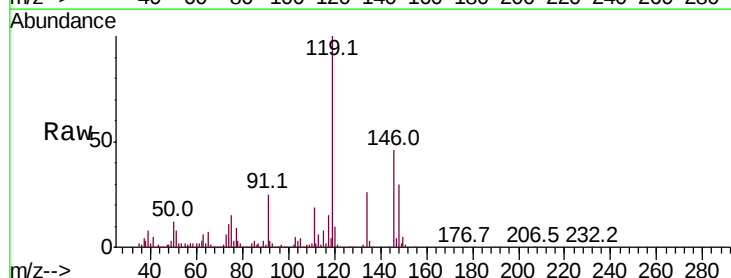
Tgt Ion:119 Resp: 291708

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.9

91 24.6 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

250000

200000

150000

100000

50000

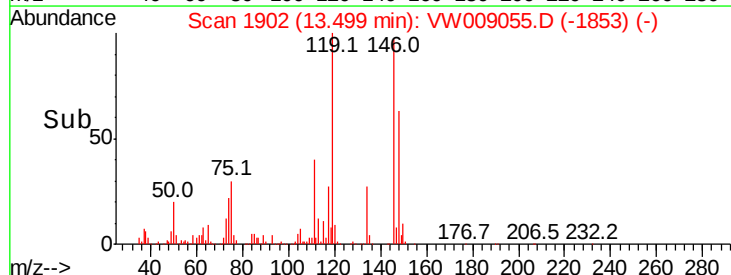
0

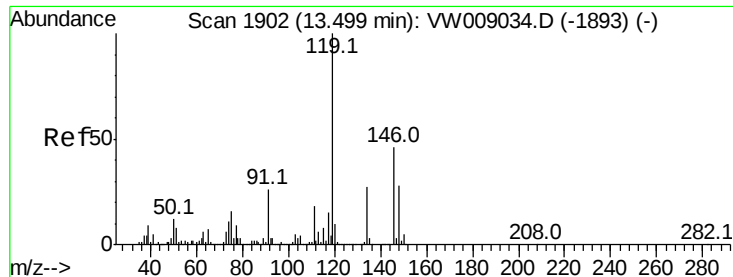
13.45

13.50

13.55

Time-->





#87

1,3-Dichlorobenzene

Concen: 19.448 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW009055.D

Acq: 08 Mar 2019 15:28

Instrument :

MSVOA\_W

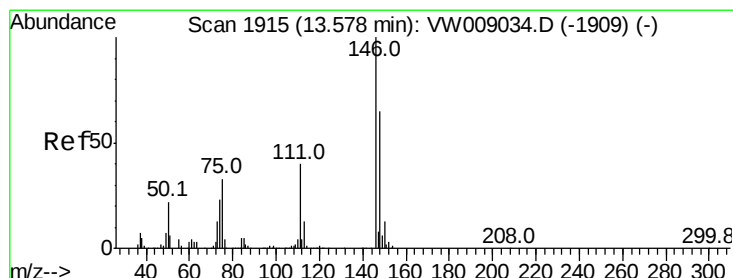
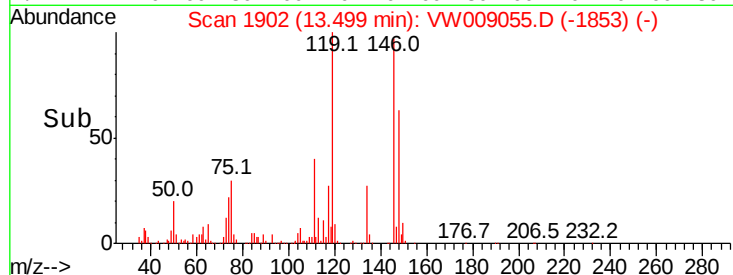
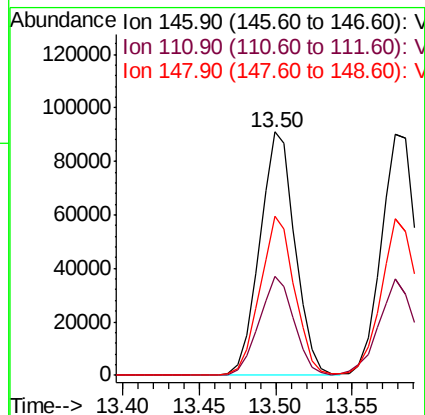
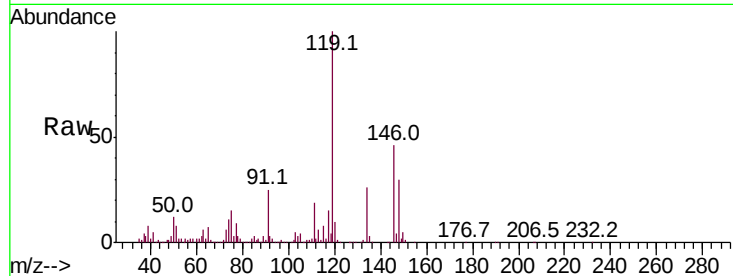
ClientSampleId :

VW0308SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 146010 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 40.1  | 19.8  | 59.4   |
| 148       | 64.2  | 31.6  | 94.8   |

Manual Integrations  
APPROVED

MMDadoda  
3/11/2019 2:53:23 PM



#88

1,4-Dichlorobenzene

Concen: 19.561 ug/l

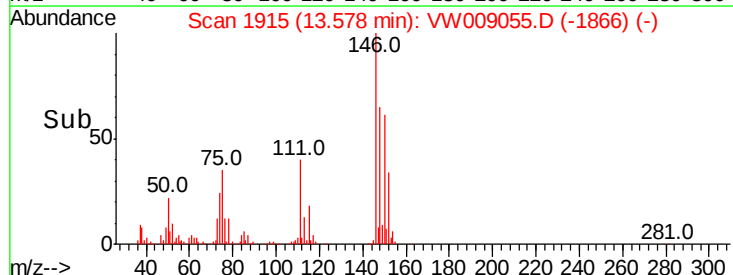
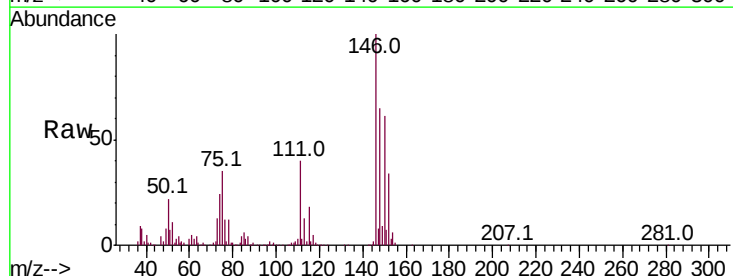
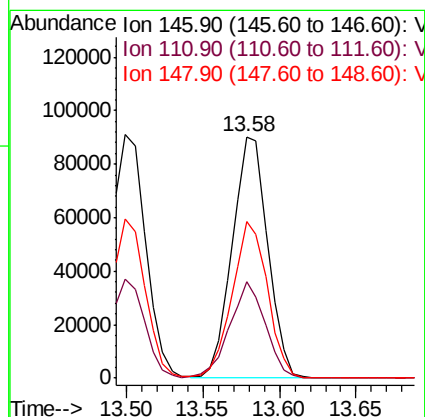
RT: 13.58 min Scan# 1915

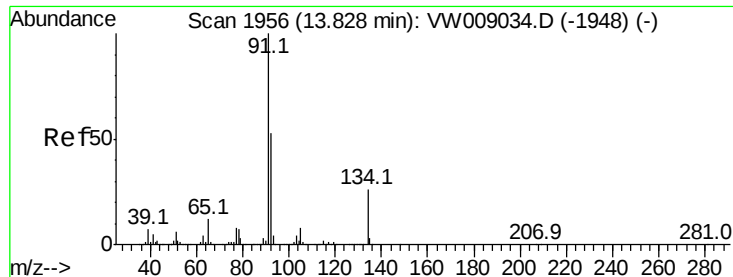
Delta R.T. -0.00 min

Lab File: VW009055.D

Acq: 08 Mar 2019 15:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 145134 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 40.0  | 19.7  | 59.0   |
| 148       | 64.7  | 32.2  | 96.6   |





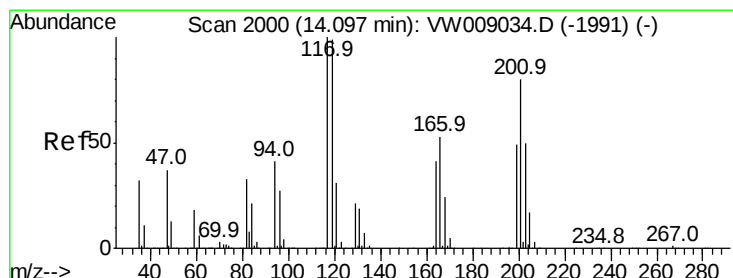
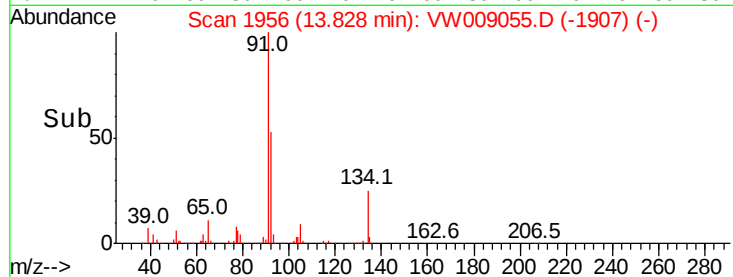
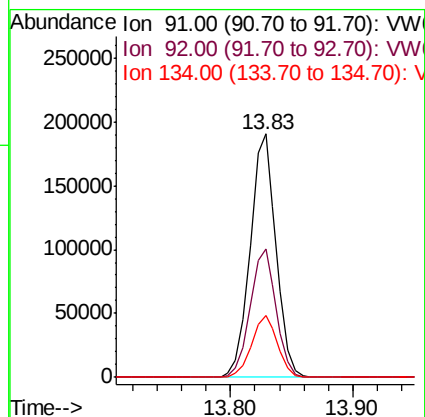
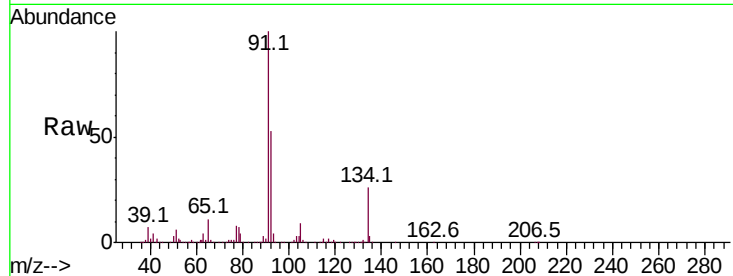
#89  
n-Butylbenzene  
Concen: 19.521 ug/l  
RT: 13.83 min Scan# 1956  
Delta R.T. -0.00 min  
Lab File: VW009055.D  
Acq: 08 Mar 2019 15:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0308SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 91      | 100   | 279579 |       |       |
| 92      | 52.9  |        | 26.8  | 80.3  |
| 134     | 25.4  |        | 12.9  | 38.7  |

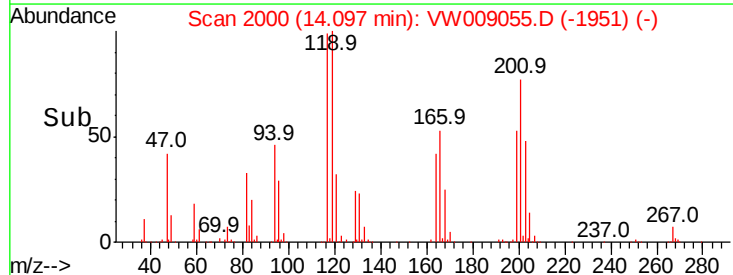
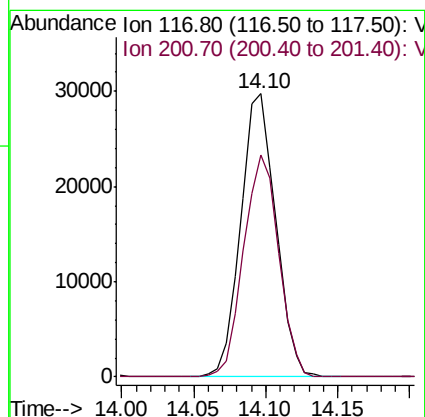
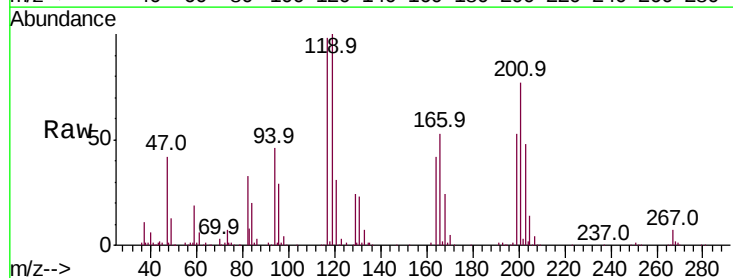
Manual Integrations  
APPROVED

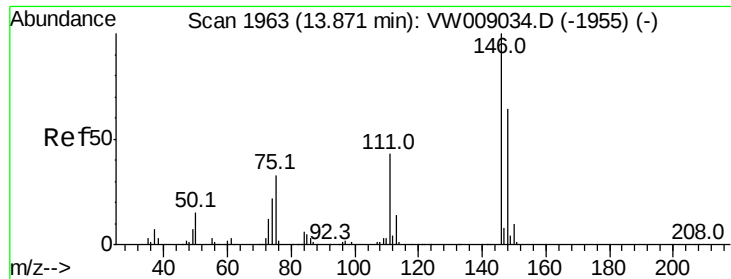
MMDadoda  
3/11/2019 2:53:23 PM



#90  
Hexachloroethane  
Concen: 19.344 ug/l  
RT: 14.10 min Scan# 2000  
Delta R.T. -0.00 min  
Lab File: VW009055.D  
Acq: 08 Mar 2019 15:28

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 117     | 100   | 50262 |       |       |
| 201     | 78.4  |       | 39.1  | 117.5 |





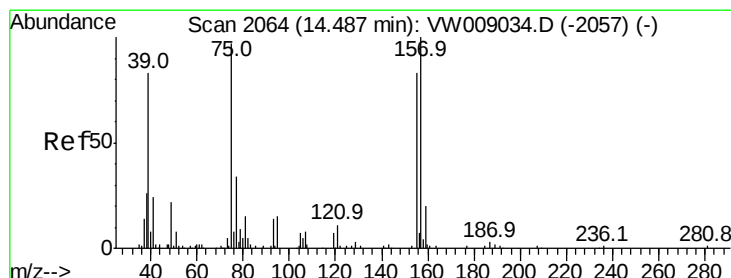
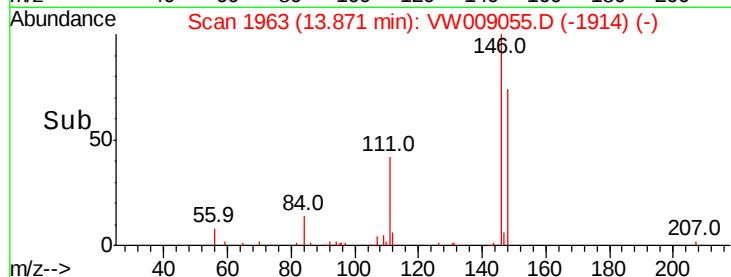
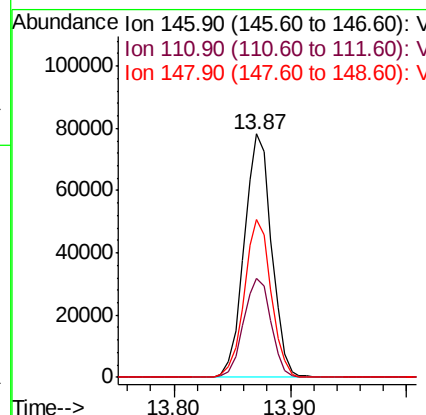
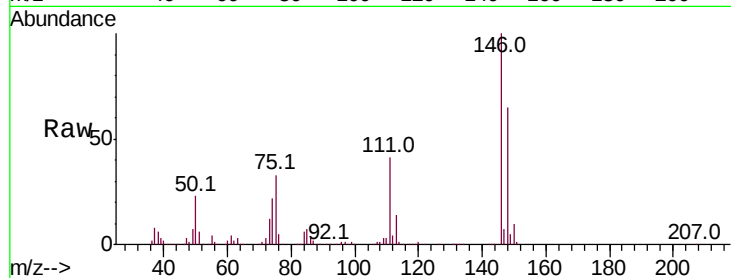
#91  
 1,2-Dichlorobenzene  
 Concen: 19.308 ug/l  
 RT: 13.87 min Scan# 1963  
 Delta R.T. -0.00 min  
 Lab File: VW009055.D  
 Acq: 08 Mar 2019 15:28

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0308SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.9  | 21.1  | 63.1  |
| 148     | 63.9  | 32.3  | 96.9  |

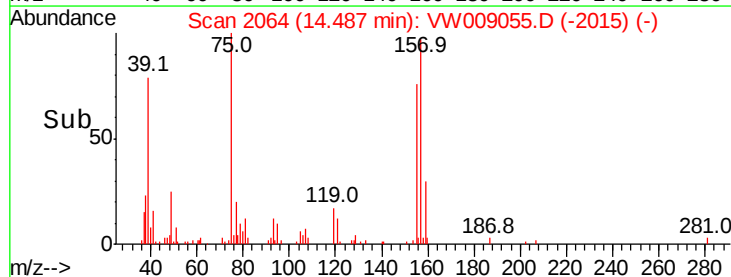
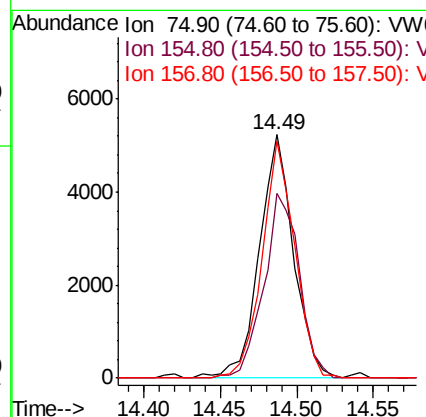
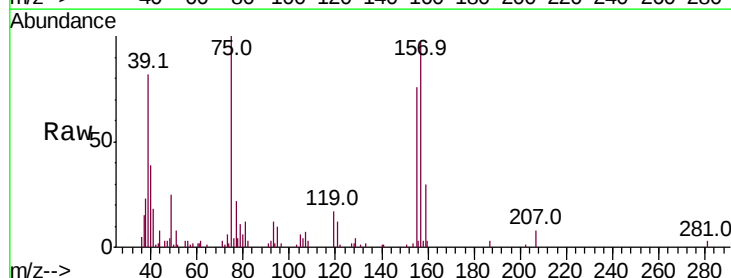
Manual Integrations  
 APPROVED

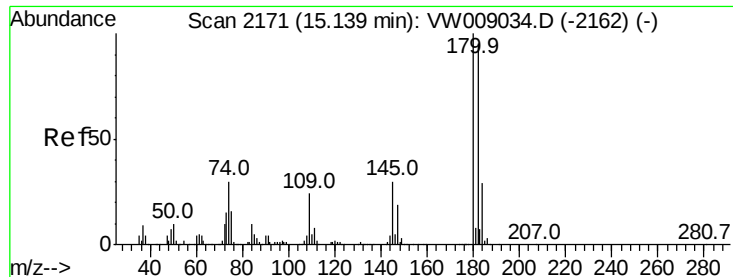
MMDadoda  
 3/11/2019 2:53:23 PM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 18.522 ug/l  
 RT: 14.49 min Scan# 2064  
 Delta R.T. -0.00 min  
 Lab File: VW009055.D  
 Acq: 08 Mar 2019 15:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 78.7  | 40.8  | 122.4 |
| 157     | 93.1  | 52.4  | 157.3 |





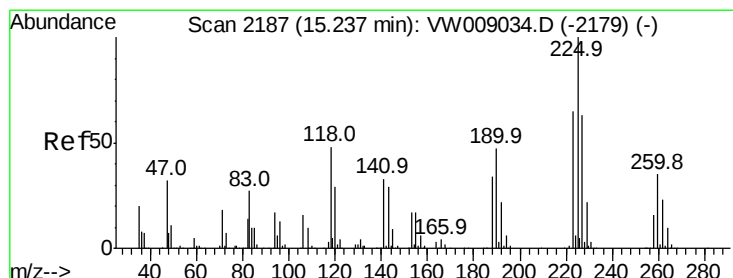
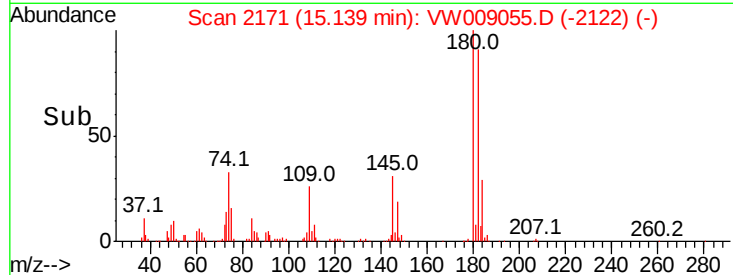
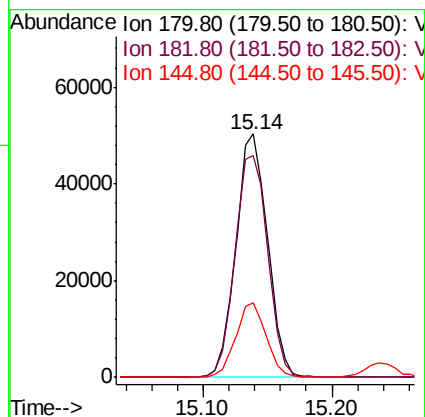
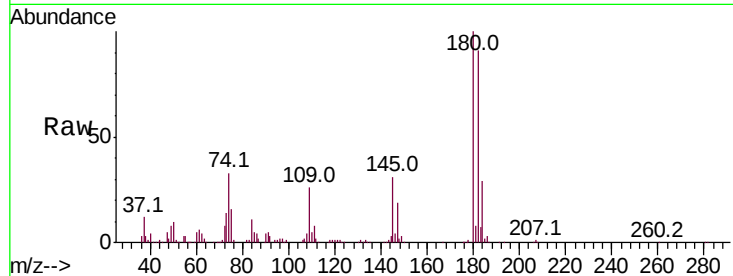
#93  
 1,2,4-Trichlorobenzene  
 Concen: 19.120 ug/l  
 RT: 15.14 min Scan# 2171  
 Delta R.T. -0.00 min  
 Lab File: VW009055.D  
 Acq: 08 Mar 2019 15:28

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0308SBS01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 180     | 100   |      |       |       |
| 182     | 94.6  | 48.1 | 144.3 |       |
| 145     | 29.7  | 15.4 | 46.1  |       |

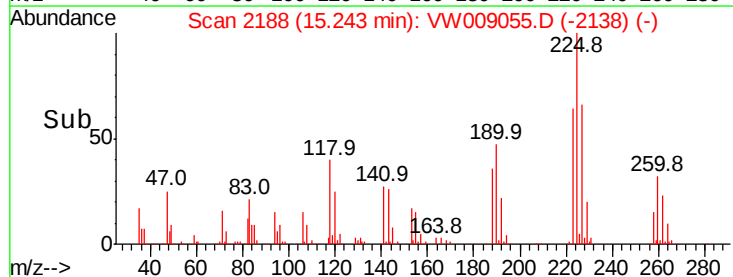
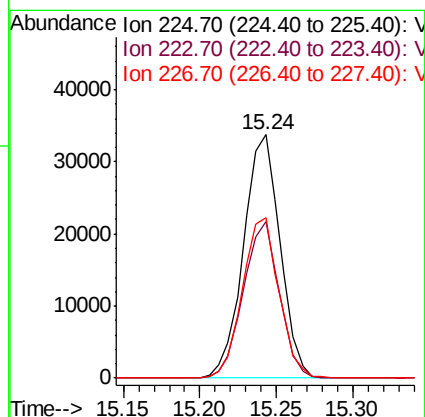
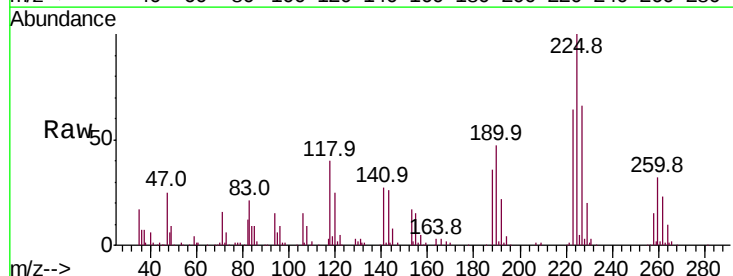
Manual Integrations  
 APPROVED

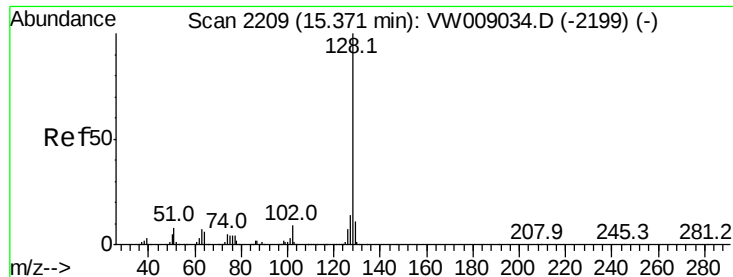
MMDadoda  
 3/11/2019 2:53:23 PM



#94  
 Hexachlorobutadiene  
 Concen: 19.969 ug/l  
 RT: 15.24 min Scan# 2188  
 Delta R.T. 0.01 min  
 Lab File: VW009055.D  
 Acq: 08 Mar 2019 15:28

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   |      |       |       |
| 223     | 63.6  | 31.6 | 94.8  |       |
| 227     | 65.8  | 32.0 | 96.2  |       |





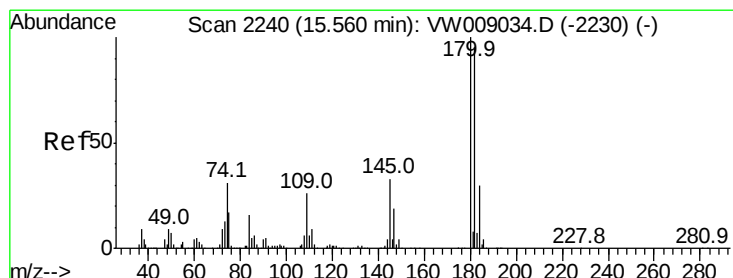
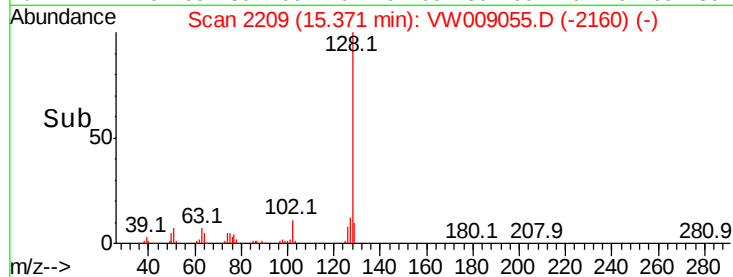
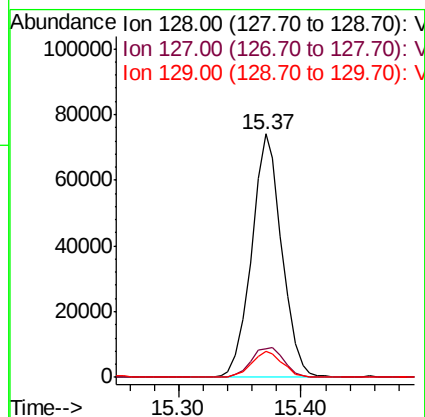
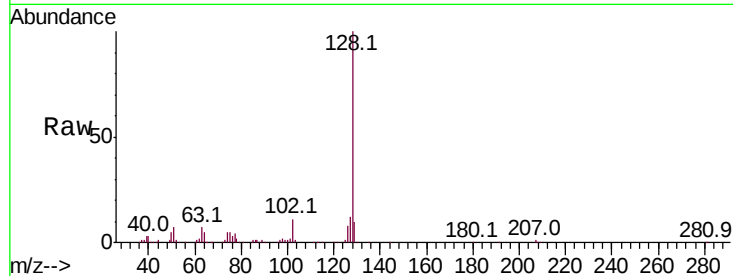
#95  
Naphthalene  
Concen: 17.348 ug/l  
RT: 15.37 min Scan# 2209  
Delta R.T. -0.00 min  
Lab File: VW009055.D  
Acq: 08 Mar 2019 15:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0308SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 127035 |       |       |
| 127     | 13.4  | 11.0   | 16.6  |       |
| 129     | 10.8  | 8.8    | 13.2  |       |

Manual Integrations  
APPROVED

MMDadoda  
3/11/2019 2:53:23 PM



#96  
1,2,3-Trichlorobenzene  
Concen: 18.692 ug/l  
RT: 15.56 min Scan# 2240  
Delta R.T. -0.00 min  
Lab File: VW009055.D  
Acq: 08 Mar 2019 15:28

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 73528 |       |       |
| 182     | 91.3  | 48.1  | 144.3 |       |
| 145     | 31.0  | 15.8  | 47.3  |       |

