

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030719\  
 Data File : VW009042.D  
 Acq On : 07 Mar 2019 16:22  
 Operator : SY/VA  
 Sample : VW0307SBSD01  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0307SBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 3/8/2019 12:06:25 PM

Quant Time: Mar 08 06:06:19 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  | 291581   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 415589   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 394820   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 220466   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.31   | 65  | 153705   | 52.39 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.78% |      |
| 35) Dibromofluoromethane  | 7.88   | 113 | 132643   | 53.01 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.02% |      |
| 50) Toluene-d8            | 10.32  | 98  | 548507   | 53.37 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.74% |      |
| 62) 4-Bromofluorobenzene  | 12.62  | 95  | 206576   | 51.06 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.12% |      |

## Target Compounds

|                               |      |     |        |         |        | Qvalue |
|-------------------------------|------|-----|--------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 2.00 | 85  | 66630  | 22.674  | ug/l   | 99     |
| 3) Chloromethane              | 2.21 | 50  | 79071  | 21.181  | ug/l   | 99     |
| 4) Vinyl Chloride             | 2.35 | 62  | 76528  | 20.201  | ug/l   | 98     |
| 5) Bromomethane               | 2.76 | 94  | 70462  | 22.034  | ug/l   | 96     |
| 6) Chloroethane               | 2.92 | 64  | 53550  | 19.855  | ug/l   | 99     |
| 7) Trichlorofluoromethane     | 3.26 | 101 | 104259 | 21.374  | ug/l   | 96     |
| 8) Diethyl Ether              | 3.68 | 74  | 31310  | 20.993  | ug/l   | 93     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.06 | 101 | 64490  | 21.228  | ug/l   | 99     |
| 10) Methyl Iodide             | 4.28 | 142 | 59966  | 20.224  | ug/l   | 98     |
| 11) Tert butyl alcohol        | 5.19 | 59  | 23060  | 102.579 | ug/l   | 100    |
| 12) 1,1-Dichloroethene        | 4.04 | 96  | 56746  | 21.654  | ug/l   | 96     |
| 13) Acrolein                  | 3.90 | 56  | 24308  | 98.264  | ug/l   | 99     |
| 14) Allyl chloride            | 4.67 | 41  | 92619  | 20.037  | ug/l   | 97     |
| 15) Acrylonitrile             | 5.37 | 53  | 64512  | 99.104  | ug/l   | 97     |
| 16) Acetone                   | 4.14 | 43  | 65860  | 99.488  | ug/l   | 96     |
| 17) Carbon Disulfide          | 4.38 | 76  | 179911 | 20.405  | ug/l   | 99     |
| 18) Methyl Acetate            | 4.67 | 43  | 27972  | 18.375  | ug/l   | 96     |
| 19) Methyl tert-butyl Ether   | 5.42 | 73  | 139301 | 20.095  | ug/l   | 96     |
| 20) Methylene Chloride        | 4.92 | 84  | 65576  | 17.534  | ug/l   | 95     |
| 21) trans-1,2-Dichloroethene  | 5.42 | 96  | 61797  | 20.423  | ug/l   | 91     |
| 22) Diisopropyl ether         | 6.32 | 45  | 190337 | 20.720  | ug/l   | 98     |
| 23) Vinyl Acetate             | 6.26 | 43  | 581846 | 101.785 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 6.21 | 63  | 109991 | 20.643  | ug/l   | 99     |
| 25) 2-Butanone                | 7.18 | 43  | 89127  | 97.419  | ug/l   | 97     |
| 26) 2,2-Dichloropropane       | 7.17 | 77  | 102194 | 21.101  | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene    | 7.17 | 96  | 66740  | 20.537  | ug/l   | 99     |
| 28) Bromochloromethane        | 7.51 | 49  | 44155  | 19.924  | ug/l   | 99     |
| 29) Tetrahydrofuran           | 7.53 | 42  | 55445  | 96.169  | ug/l   | 99     |
| 30) Chloroform                | 7.67 | 83  | 111879 | 20.395  | ug/l   | 97     |
| 31) Cyclohexane               | 7.95 | 56  | 109786 | 20.067  | ug/l # | 93     |
| 32) 1,1,1-Trichloroethane     | 7.87 | 97  | 102960 | 20.338  | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 8.09 | 75  | 91257  | 21.001  | ug/l   | 98     |
| 37) Ethyl Acetate             | 7.26 | 43  | 38929  | 19.072  | ug/l   | 96     |
| 38) Carbon Tetrachloride      | 8.07 | 117 | 93783  | 20.898  | ug/l   | 92     |

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 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleID :  
 VW0307SBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 3/8/2019 12:06:25 PM

Quant Time: Mar 08 06:06:19 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          | 9.33  | 83   | 107005   | 20.674  | ug/l   | 99       |
| 40) Benzene                    | 8.32  | 78   | 243591   | 20.999  | ug/l   | 95       |
| 41) Methacrylonitrile          | 7.48  | 41   | 21331    | 18.819  | ug/l   | 93       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 74585    | 19.916  | ug/l   | 98       |
| 43) Isopropyl Acetate          | 8.43  | 43   | 74452    | 19.585  | ug/l   | 100      |
| 44) Trichloroethene            | 9.09  | 130  | 68044    | 20.929  | ug/l   | 96       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 59673    | 20.539  | ug/l   | 98       |
| 46) Dibromomethane             | 9.46  | 93   | 31992    | 20.163  | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.65  | 83   | 81168    | 20.209  | ug/l   | 96       |
| 48) Methyl methacrylate        | 9.43  | 41   | 33078    | 18.687  | ug/l   | 90       |
| 49) 1,4-Dioxane                | 9.46  | 88   | 8274     | 364.154 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 186244   | 96.504  | ug/l   | 99       |
| 52) Toluene                    | 10.39 | 92   | 159441   | 20.267  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 10.60 | 75   | 80199    | 20.189  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 10.07 | 75   | 95756    | 20.976  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 43914    | 20.420  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 50469    | 18.909  | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 77984    | 20.470  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 9.93  | 63   | 136539   | 98.680  | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.97 | 43   | 134831   | 99.367  | ug/l   | 98       |
| 60) Dibromochloromethane       | 11.13 | 129  | 54449    | 20.458  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.23 | 107  | 42183    | 20.008  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.86 | 164  | 57609    | 20.233  | ug/l   | 94       |
| 65) Chlorobenzene              | 11.66 | 112  | 175871   | 20.465  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.73 | 131  | 59705    | 20.807  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.73 | 91   | 312887   | 20.154  | ug/l   | 97       |
| 68) m/p-Xylenes                | 11.84 | 106  | 249742   | 40.755  | ug/l   | 100      |
| 69) o-Xylene                   | 12.16 | 106  | 115770   | 20.304  | ug/l   | 98       |
| 70) Styrene                    | 12.18 | 104  | 188012   | 20.380  | ug/l   | 99       |
| 71) Bromoform                  | 12.35 | 173  | 30748    | 19.957  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.47 | 105  | 319396   | 20.230  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.27 | 43   | 73625    | 19.699  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.71 | 83   | 49725    | 19.967  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 36145m   | 20.751  | ug/l   |          |
| 77) Bromobenzene               | 12.75 | 156  | 74434    | 20.634  | ug/l   | 94       |
| 78) n-propylbenzene            | 12.80 | 91   | 397651   | 20.448  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.90 | 91   | 222499   | 20.364  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.94 | 105  | 274237   | 20.151  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.52 | 75   | 15591    | 20.020  | ug/l   | 94       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 233774   | 20.072  | ug/l   | 98       |
| 83) tert-Butylbenzene          | 13.21 | 119  | 243215   | 21.191  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene     | 13.26 | 105  | 279708   | 20.318  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.38 | 105  | 348891   | 20.517  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.50 | 119  | 305705   | 20.096  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.50 | 146  | 153726   | 20.278  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 152667   | 20.377  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.83 | 91   | 293451   | 20.291  | ug/l   | 99       |
| 90) Hexachloroethane           | 14.10 | 117  | 53140    | 20.254  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.87 | 146  | 136726   | 20.441  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.49 | 75   | 8682     | 19.574  | ug/l   | 97       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW030719\  
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Operator : SY/VA  
Sample : VW0307SBSD01  
Misc : 5.00G/5ML/MSVOA W/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0307SBSD01

Manual Integrations  
APPROVED

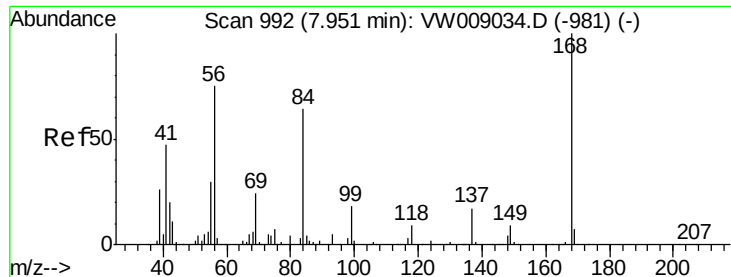
MMDadoda  
3/8/2019 12:06:25 PM

Quant Time: Mar 08 06:06:19 2019  
Quant Method : Z:\V0ASRV\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  | 92662    | 20.513 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.24 | 225  | 60083    | 21.235 | ug/l  | 96       |
| 95) Naphthalene            | 15.37 | 128  | 144899   | 19.596 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.56 | 180  | 80022    | 20.146 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Instrument :

MSVOA\_W

ClientSampleId :

VW0307SBS01

Tot Ion:168 Resp: 291581

Ion Ratio Lower Upper

168 100

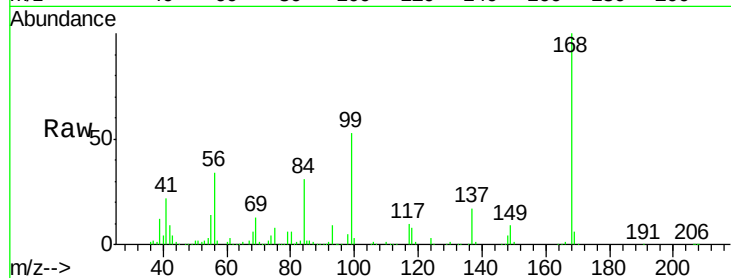
99 52.6 42.2 63.2

Manual Integrations

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3/8/2019 12:06:25 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

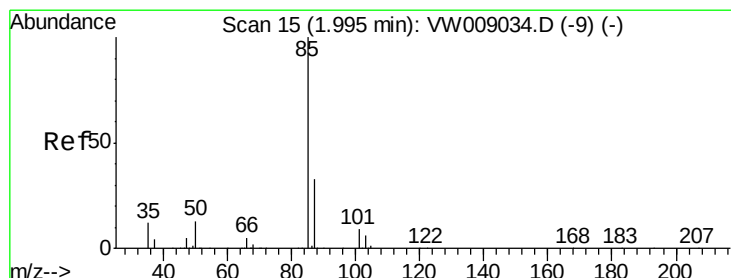
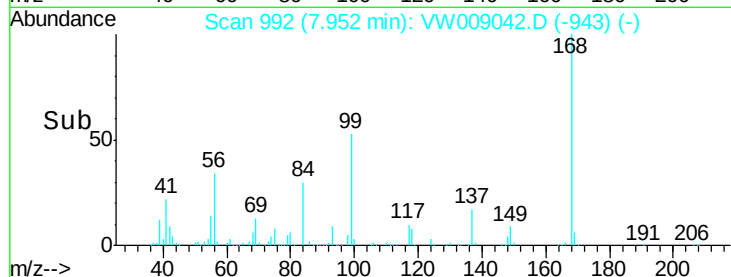
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 22.674 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW009042.D

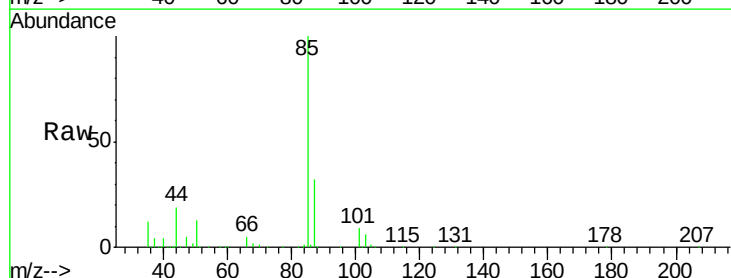
Acq: 07 Mar 2019 16:22

Tgt Ion: 85 Resp: 66630

Ion Ratio Lower Upper

85 100

87 32.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

50000

40000

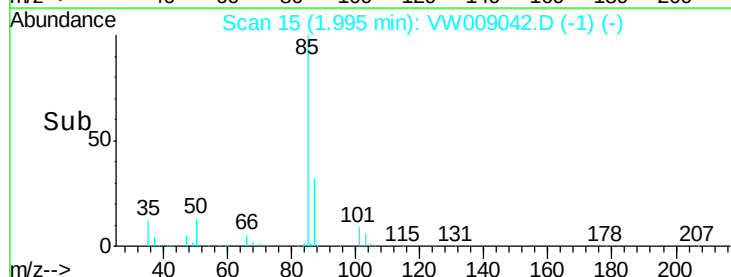
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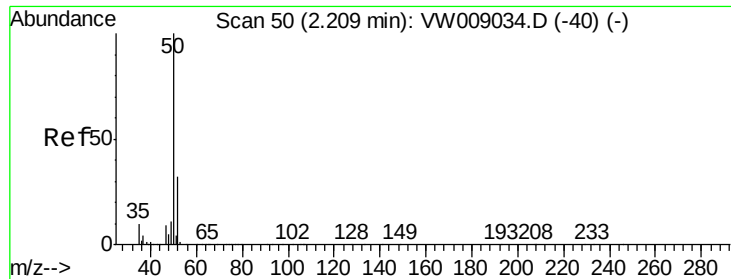
20000

10000

0

Time--> 1.90 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 21.181 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Instrument :

MSVOA\_W

ClientSampleId :

VW0307SBS01

Tot Ion: 50 Resp: 79071

Ion Ratio Lower Upper

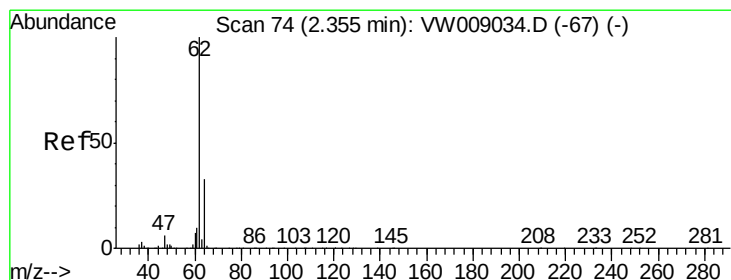
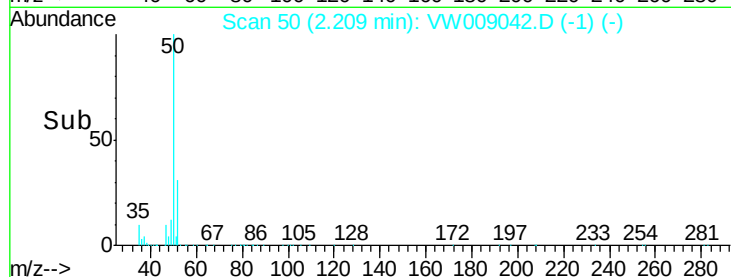
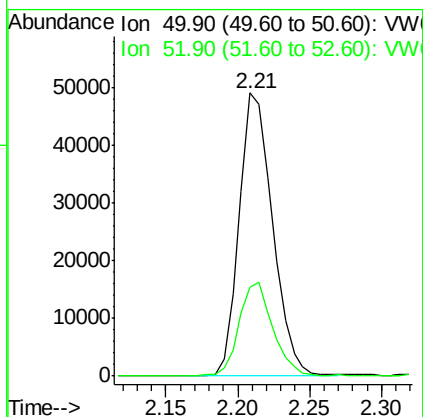
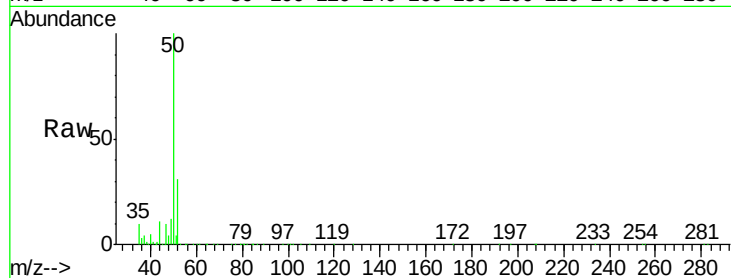
50 100

52 31.2 25.4 38.2

Manual Integrations  
APPROVED

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3/8/2019 12:06:25 PM



#4

Vinyl Chloride

Concen: 20.201 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW009042.D

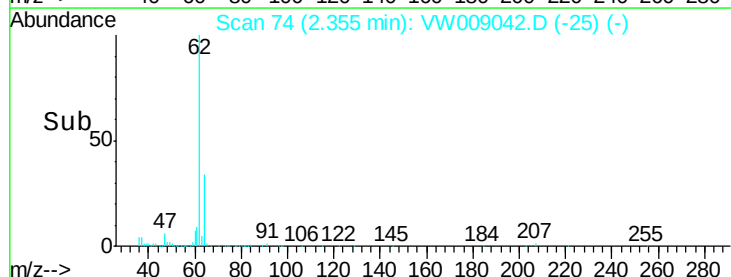
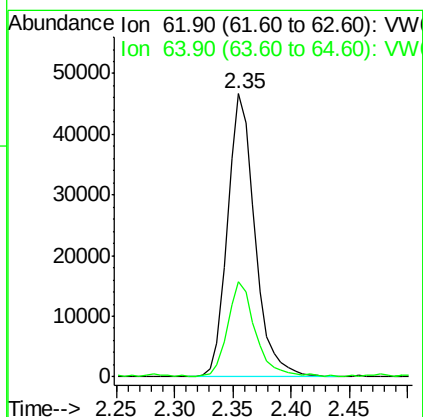
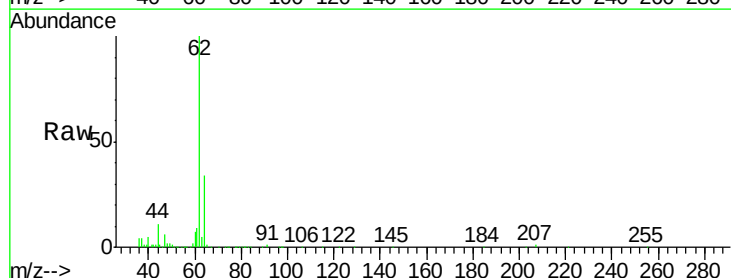
Acq: 07 Mar 2019 16:22

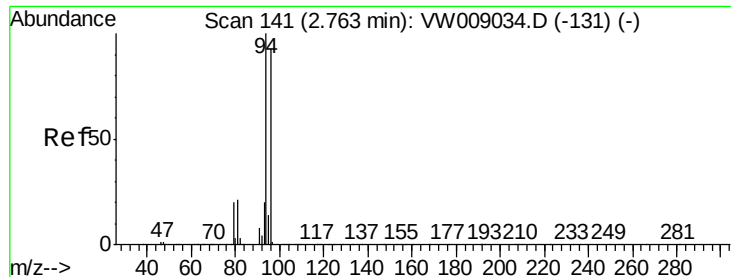
Tgt Ion: 62 Resp: 76528

Ion Ratio Lower Upper

62 100

64 33.4 26.0 39.0





#5

Bromomethane

Concen: 22.034 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Instrument :

MSVOA\_W

ClientSampleId :

VW0307SBS01

Tot Ion: 94 Resp: 70462

Ion Ratio Lower Upper

94 100

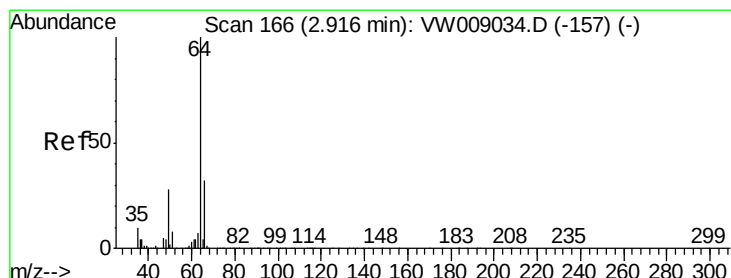
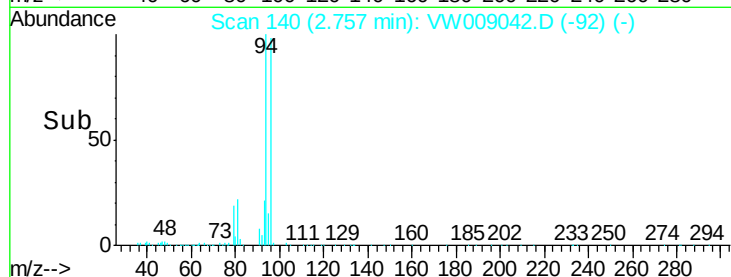
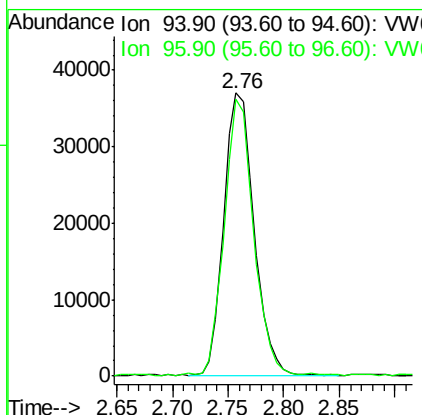
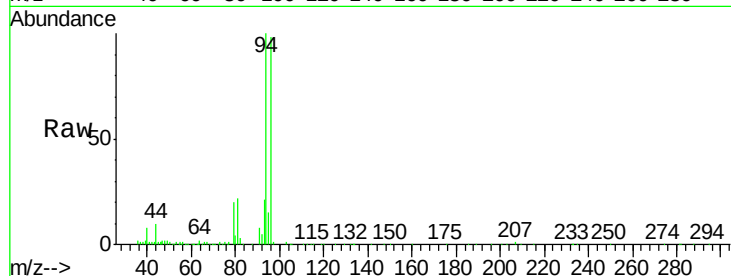
96 97.2 74.4 111.6

Manual Integrations

APPROVED

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3/8/2019 12:06:25 PM



#6

Chloroethane

Concen: 19.855 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW009042.D

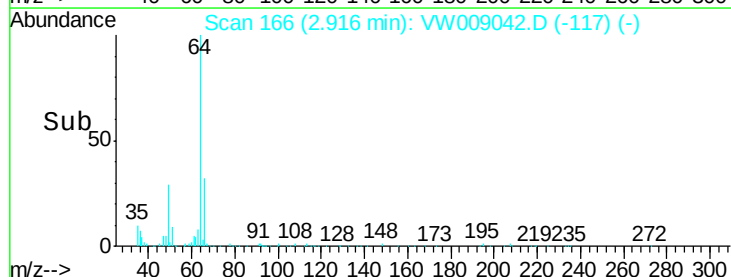
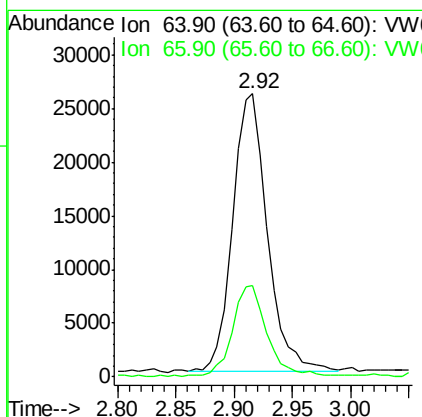
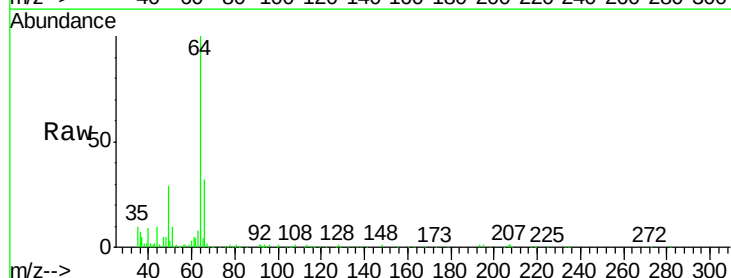
Acq: 07 Mar 2019 16:22

Tgt Ion: 64 Resp: 53550

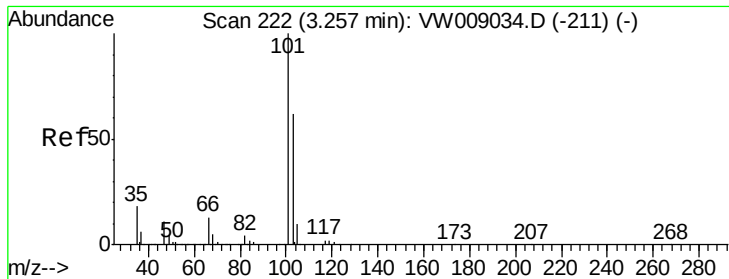
Ion Ratio Lower Upper

64 100

66 32.4 25.5 38.3







#7

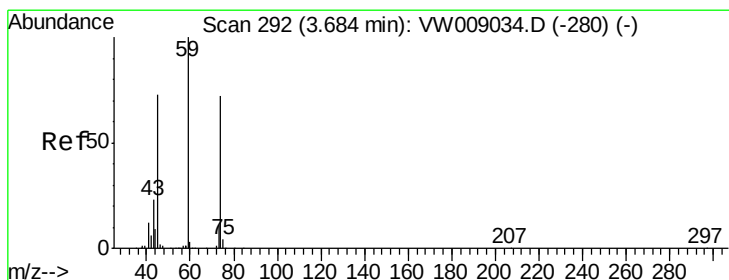
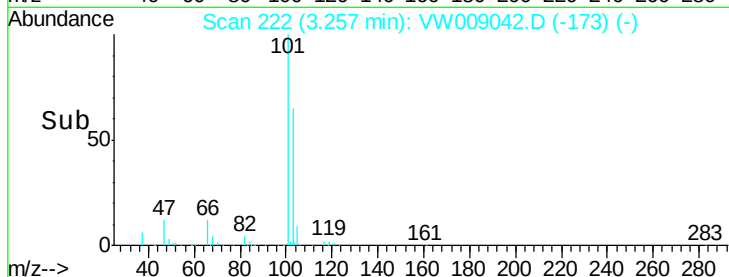
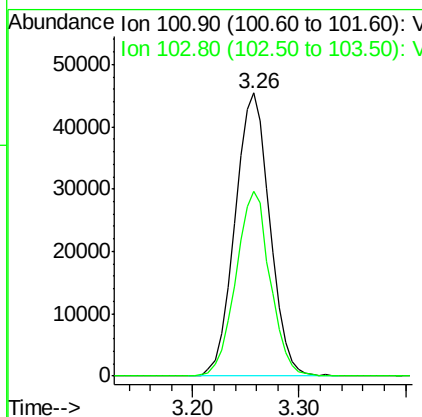
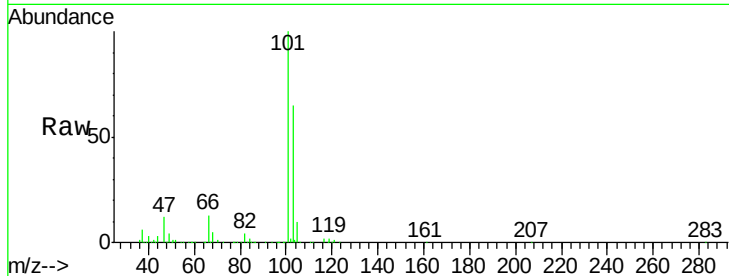
Trichlorofluoromethane  
Concen: 21.374 ug/l  
RT: 3.26 min Scan# 222  
Delta R.T. 0.00 min  
Lab File: VW009042.D  
Acq: 07 Mar 2019 16:22

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0307SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 65.4  | 49.9  | 74.9  |

Manual Integrations  
APPROVED

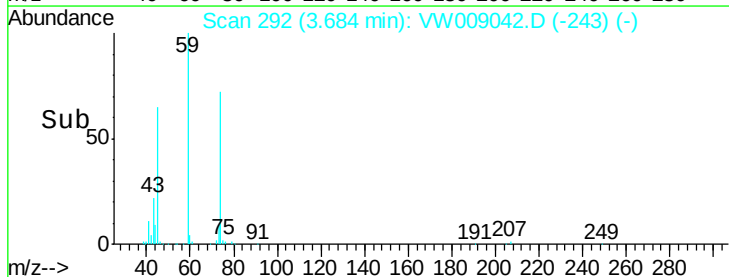
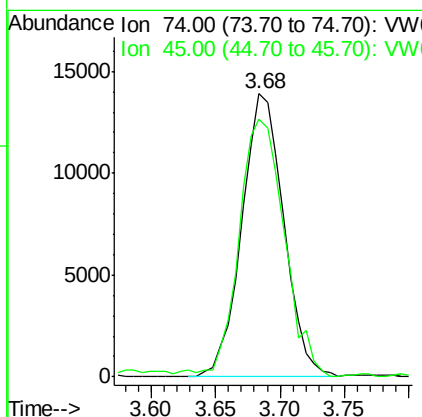
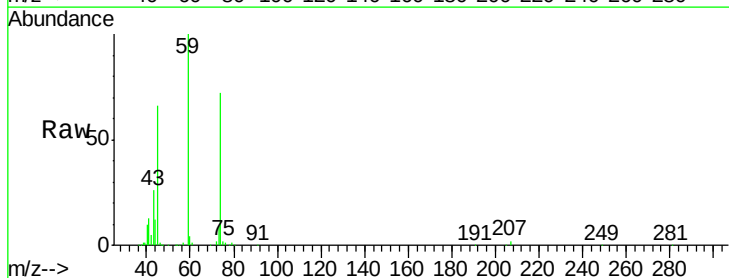
MMDadoda  
3/8/2019 12:06:25 PM



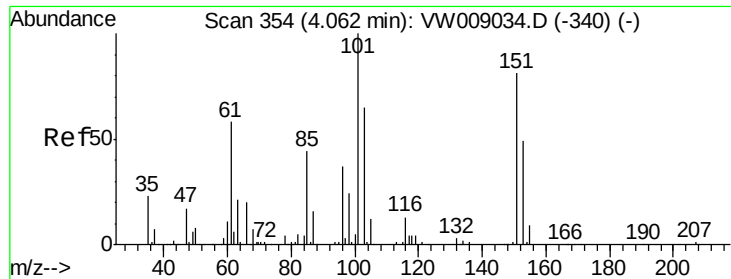
#8

Diethyl Ether  
Concen: 20.993 ug/l  
RT: 3.68 min Scan# 292  
Delta R.T. 0.00 min  
Lab File: VW009042.D  
Acq: 07 Mar 2019 16:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 98.0  | 52.3  | 157.1 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.228 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Instrument :

MSVOA\_W

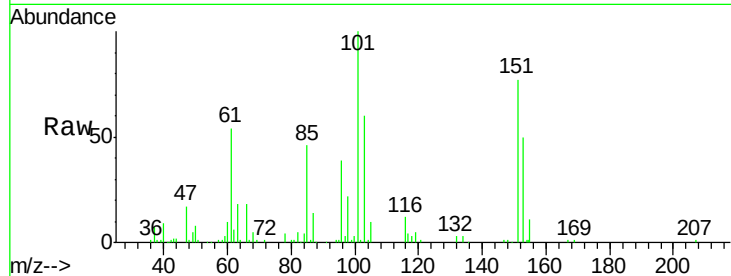
ClientSampleId :

VW0307SBS01

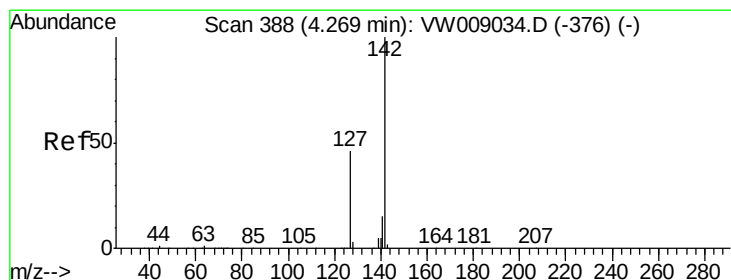
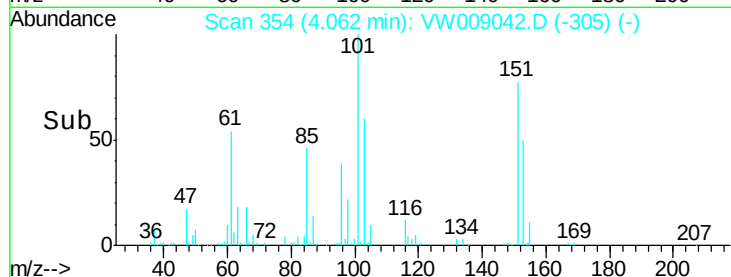
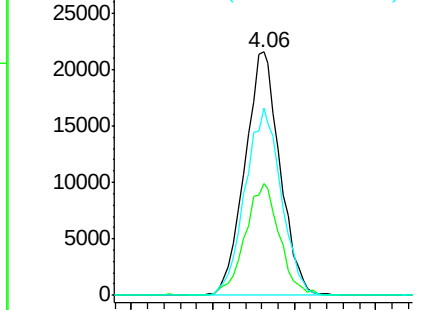
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 64490 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 44.9  | 36.2  | 54.4  |
| 151       | 78.9  | 63.4  | 95.2  |

Manual Integrations  
APPROVED

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3/8/2019 12:06:25 PM



Abundance Ion 100.90 (100.60 to 101.60): V  
Ion 84.90 (84.60 to 85.60): V  
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.224 ug/l

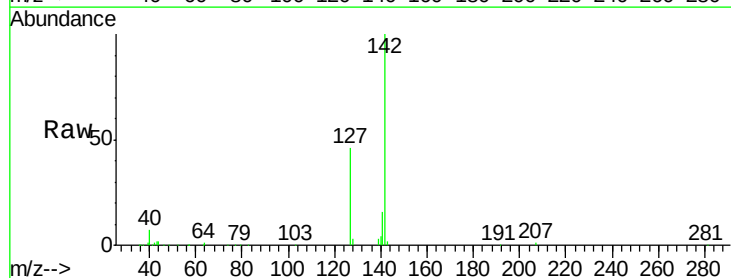
RT: 4.28 min Scan# 389

Delta R.T. 0.01 min

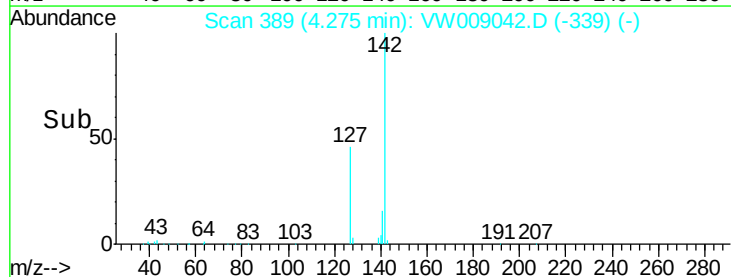
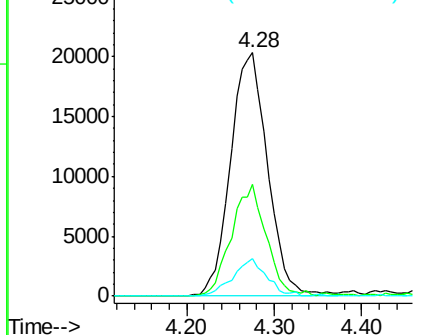
Lab File: VW009042.D

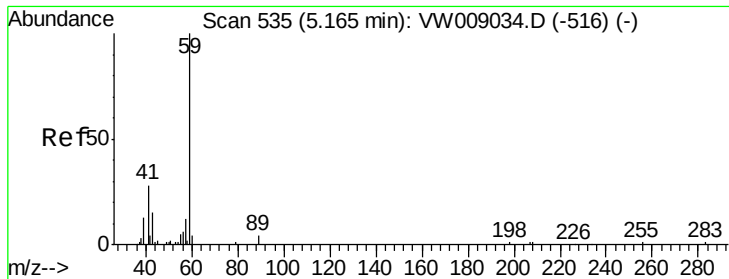
Acq: 07 Mar 2019 16:22

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 59966 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 43.1  | 35.8  | 53.6  |
| 141       | 14.1  | 11.8  | 17.8  |



Abundance Ion 141.80 (141.50 to 142.50): V  
Ion 126.80 (126.50 to 127.50): V  
Ion 140.80 (140.50 to 141.50): V





#11

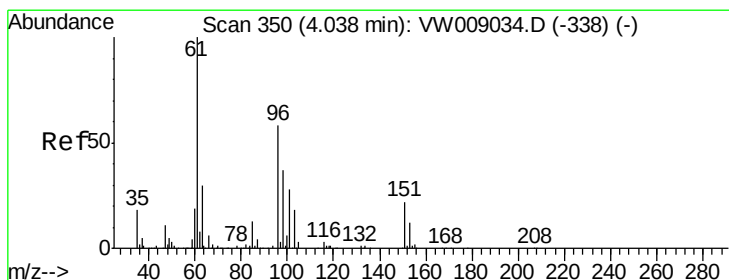
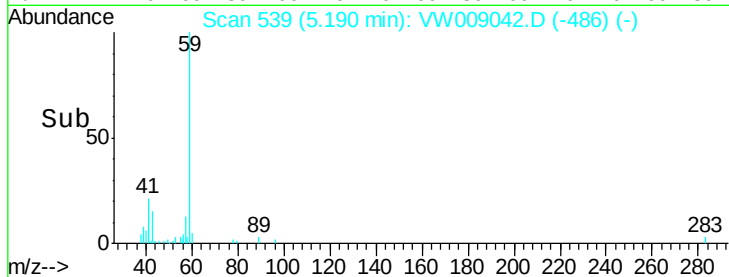
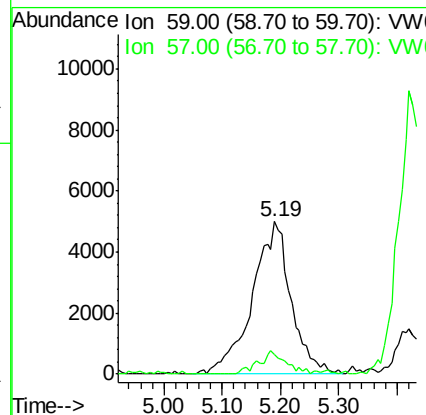
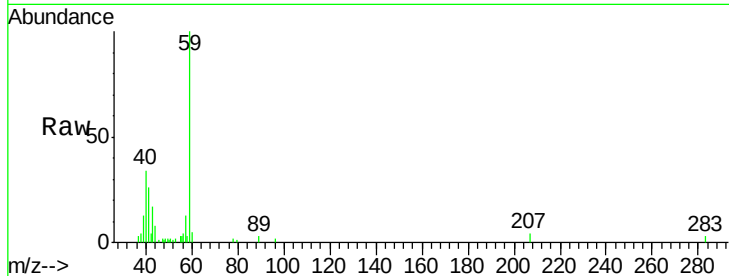
Tert butyl alcohol  
Concen: 102.579 ug/l  
RT: 5.19 min Scan# 539  
Delta R.T. 0.02 min  
Lab File: VW009042.D  
Acq: 07 Mar 2019 16:22

Instrument :  
MSVOA\_W  
ClientSampled :  
VW0307SBS01

| Tot Ion | 59  | 57   | Ratio | 100 | 10.8 | Resp | 23060 | Lower | Upper |
|---------|-----|------|-------|-----|------|------|-------|-------|-------|
| 59      | 100 |      |       |     |      |      |       |       |       |
| 57      |     | 10.8 |       |     |      |      |       | 8.6   | 12.8  |

Manual Integrations  
APPROVED

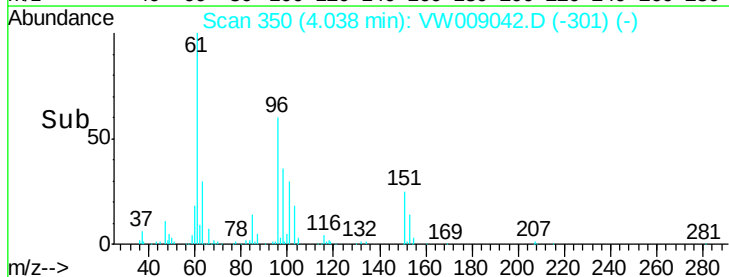
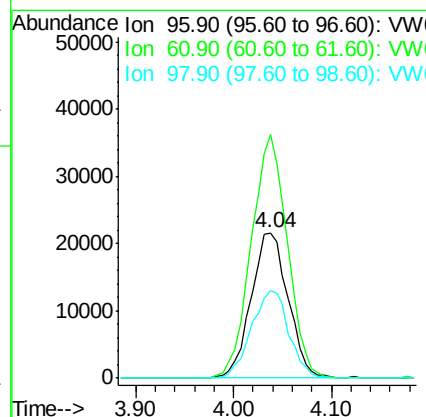
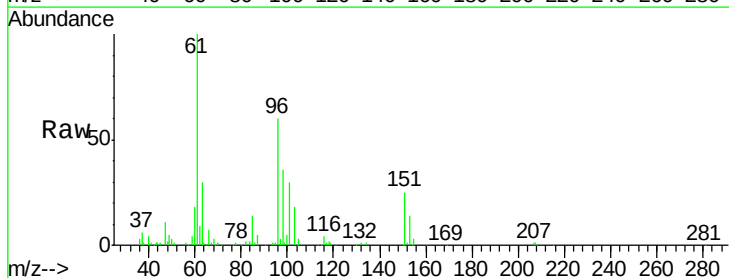
MMDadoda  
3/8/2019 12:06:25 PM

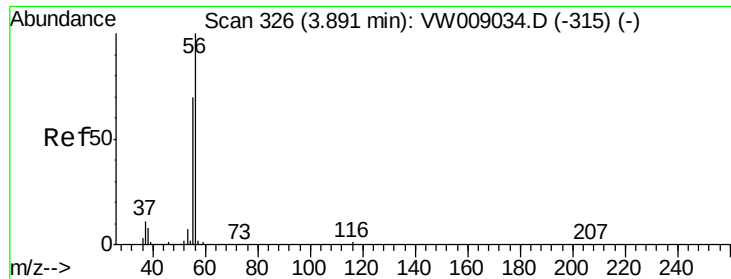


#12

1,1-Dichloroethene  
Concen: 21.654 ug/l  
RT: 4.04 min Scan# 350  
Delta R.T. 0.00 min  
Lab File: VW009042.D  
Acq: 07 Mar 2019 16:22

| Tgt Ion | 96  | 61    | 98 | Ratio | 100 | 167.3 | 59.8 | Resp | 56746 | Lower | Upper |
|---------|-----|-------|----|-------|-----|-------|------|------|-------|-------|-------|
| 96      | 100 |       |    |       |     |       |      |      |       |       |       |
| 61      |     | 167.3 |    |       |     |       |      |      |       | 138.2 | 207.2 |
| 98      |     | 59.8  |    |       |     |       |      |      |       | 51.3  | 76.9  |





#13

Acrolein

Concen: 98.264 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Instrument :

MSVOA\_W

ClientSampleId :

VW0307SBS01

Tot Ion: 56 Resp: 24308

Ion Ratio Lower Upper

56 100

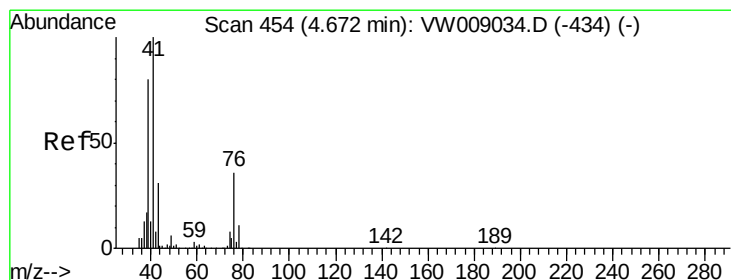
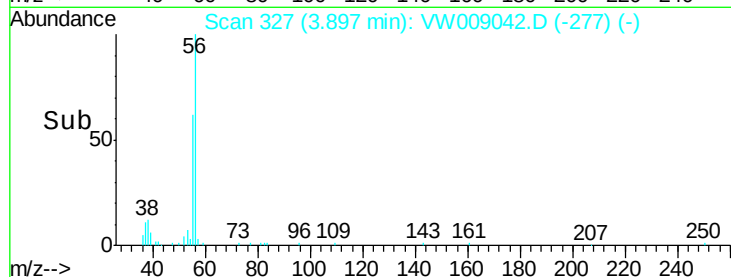
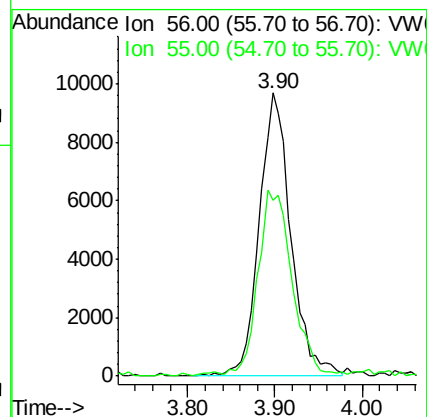
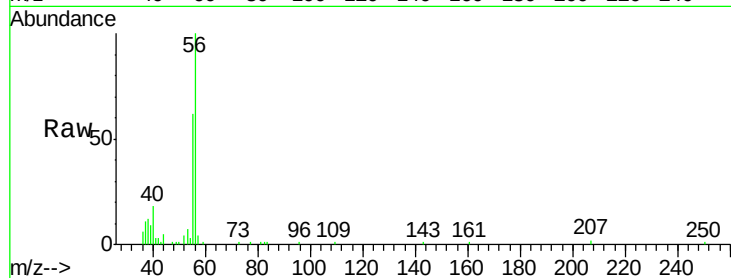
55 71.8 56.6 84.8

Manual Integrations

APPROVED

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3/8/2019 12:06:25 PM



#14

Allyl chloride

Concen: 20.037 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

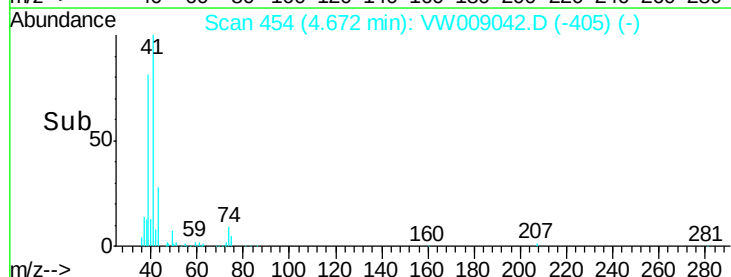
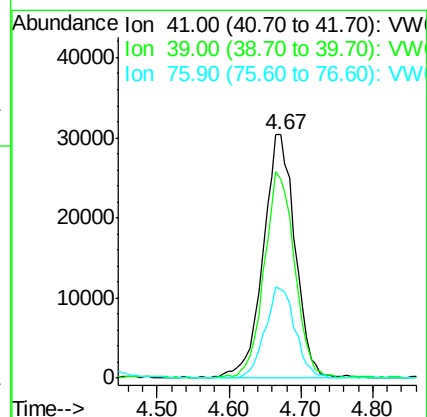
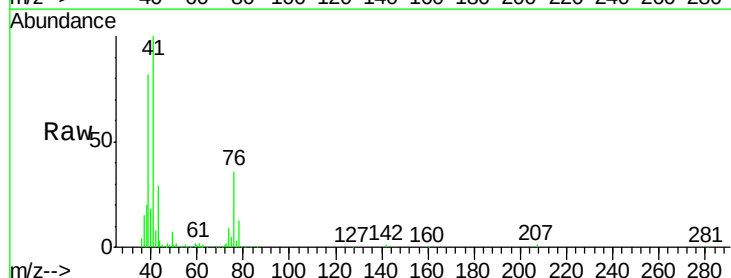
Tgt Ion: 41 Resp: 92619

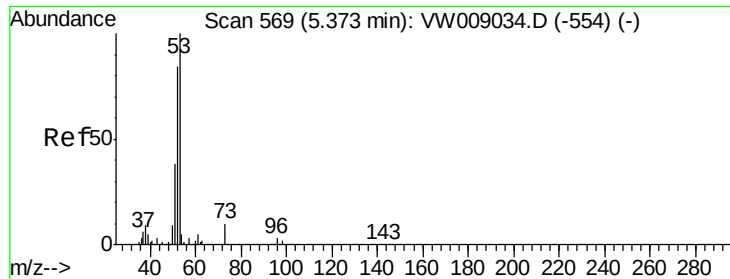
Ion Ratio Lower Upper

41 100

39 81.9 63.0 94.4

76 35.5 28.2 42.2





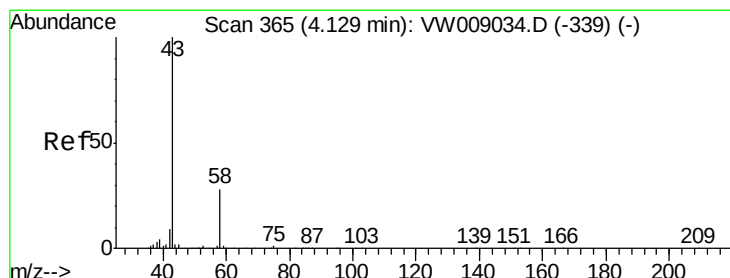
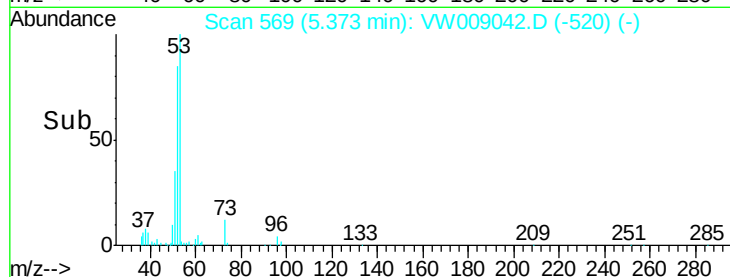
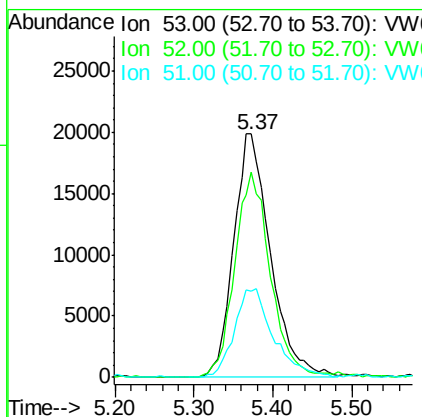
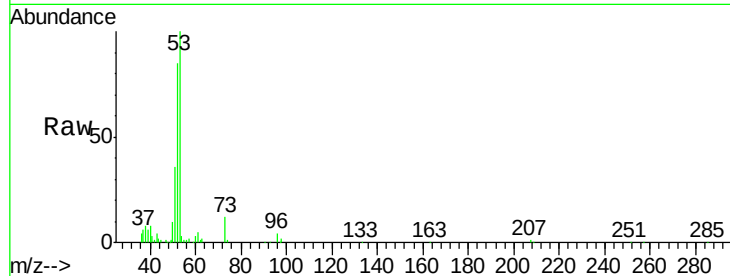
#15  
 Acrylonitrile  
 Concen: 99.104 ug/l  
 RT: 5.37 min Scan# 569  
 Delta R.T. 0.00 min  
 Lab File: VW009042.D  
 Acq: 07 Mar 2019 16:22

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0307SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 53      | 100   |       |       |
| 52      | 81.0  | 67.2  | 100.8 |
| 51      | 38.5  | 31.8  | 47.6  |

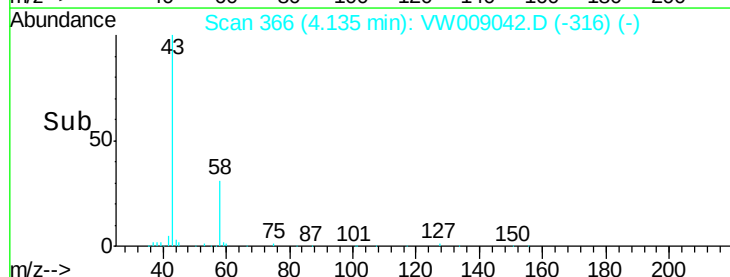
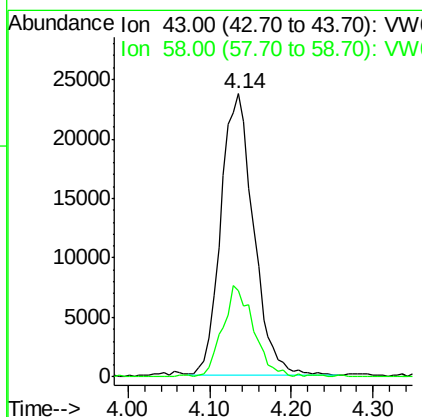
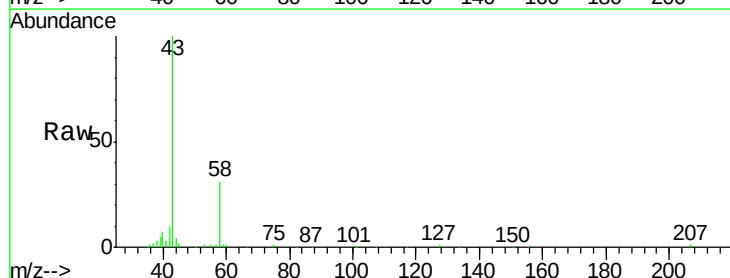
Manual Integrations  
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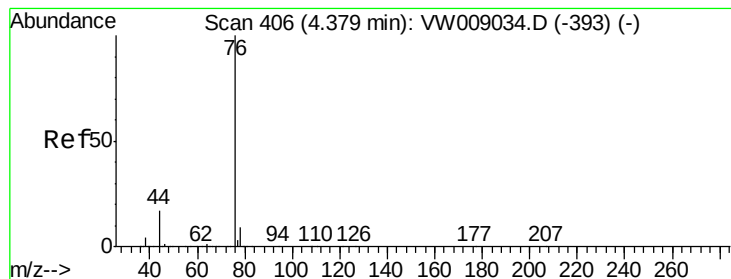
MMDadoda  
 3/8/2019 12:06:25 PM



#16  
 Acetone  
 Concen: 99.488 ug/l  
 RT: 4.14 min Scan# 366  
 Delta R.T. 0.01 min  
 Lab File: VW009042.D  
 Acq: 07 Mar 2019 16:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 30.2  | 22.5  | 33.7  |





#17

Carbon Disulfide

Concen: 20.405 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Instrument :

MSVOA\_W

ClientSampleId :

VW0307SBSD01

Tot Ion: 76 Resp: 179911

Ion Ratio Lower Upper

76 100

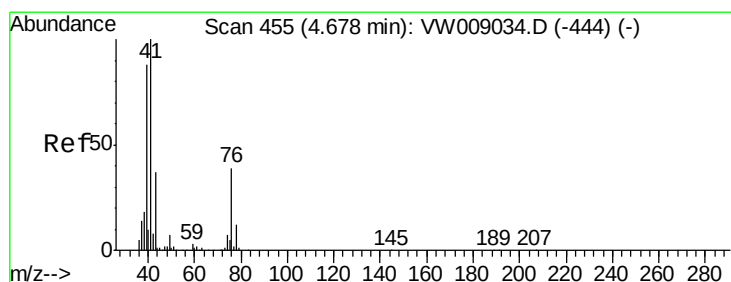
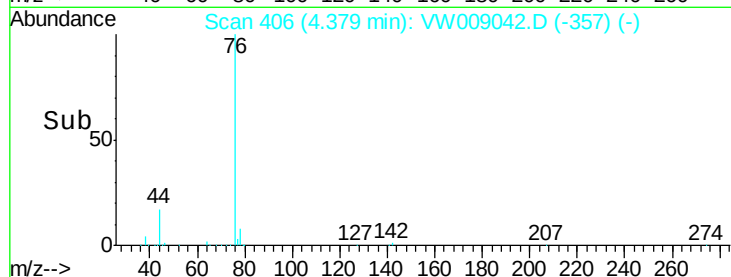
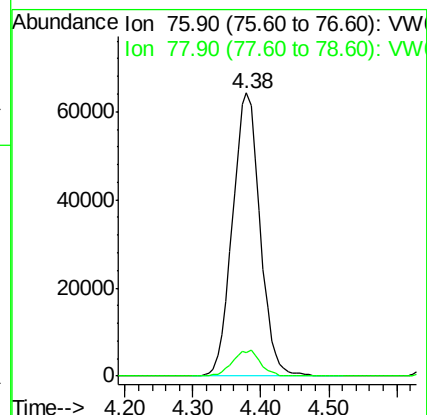
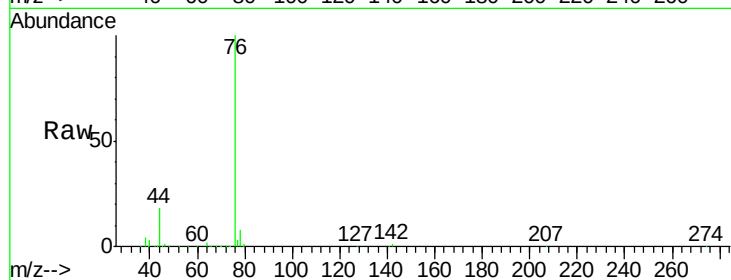
78 8.3 7.0 10.6

Manual Integrations

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3/8/2019 12:06:25 PM



#18

Methyl Acetate

Concen: 18.375 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW009042.D

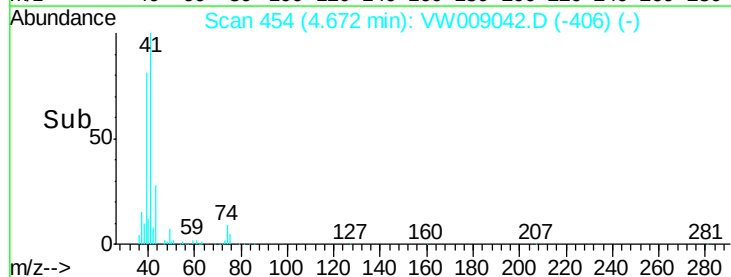
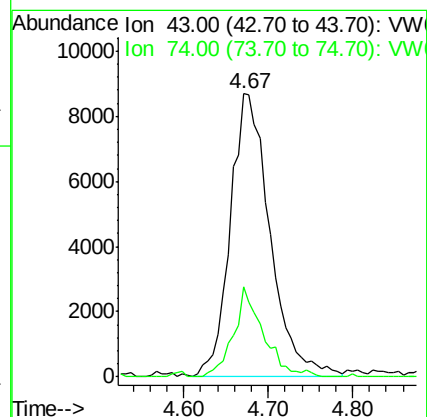
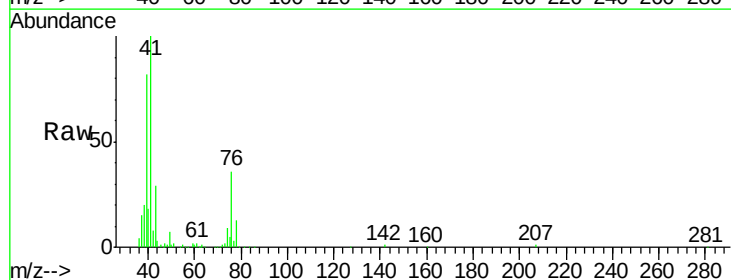
Acq: 07 Mar 2019 16:22

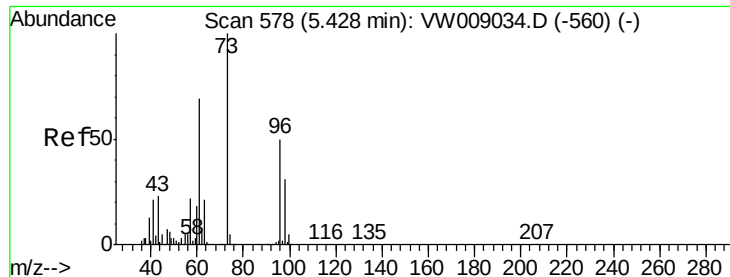
Tgt Ion: 43 Resp: 27972

Ion Ratio Lower Upper

43 100

74 23.8 17.6 26.4





#19

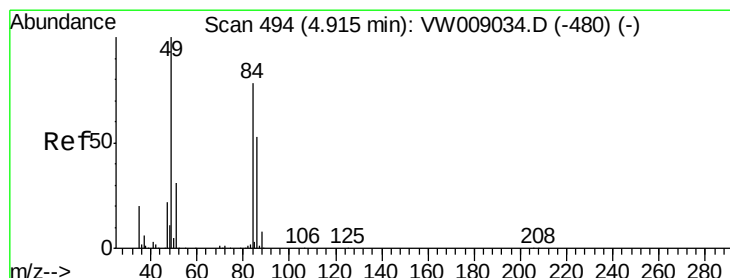
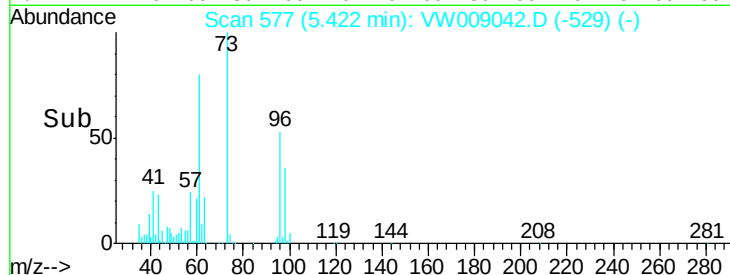
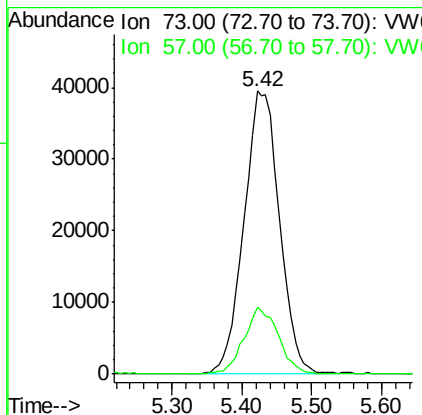
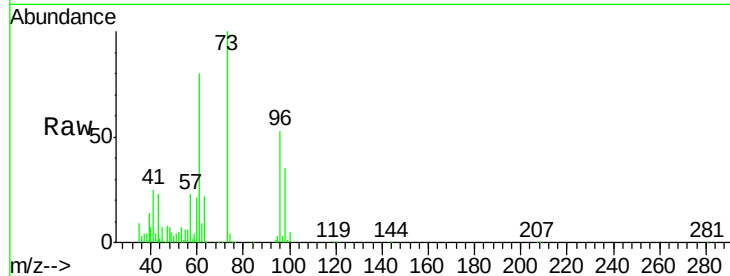
Methyl tert-butyl Ether  
 Concen: 20.095 ug/l  
 RT: 5.42 min Scan# 577  
 Delta R.T. -0.01 min  
 Lab File: VW009042.D  
 Acq: 07 Mar 2019 16:22

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0307SBS01

| Tot Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 73      | 73  | 100   |       |       |
| 57      | 57  | 23.5  | 17.3  | 25.9  |

Manual Integrations  
 APPROVED

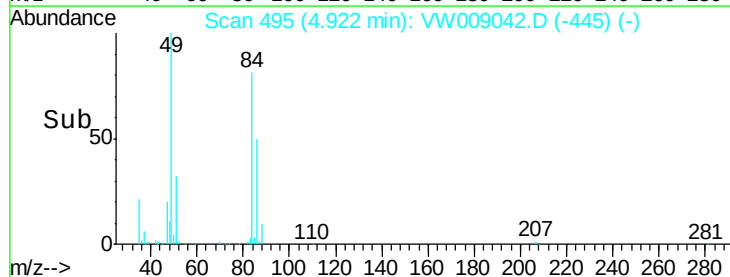
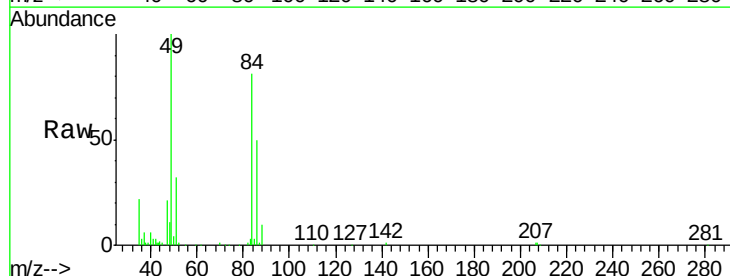
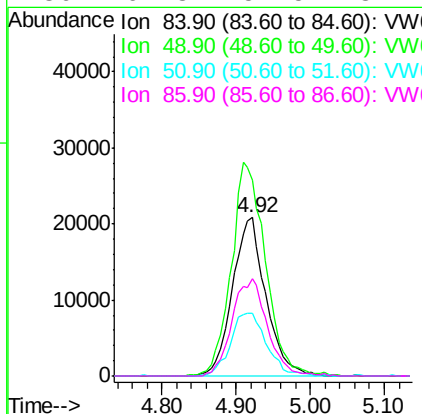
MMDadoda  
 3/8/2019 12:06:25 PM

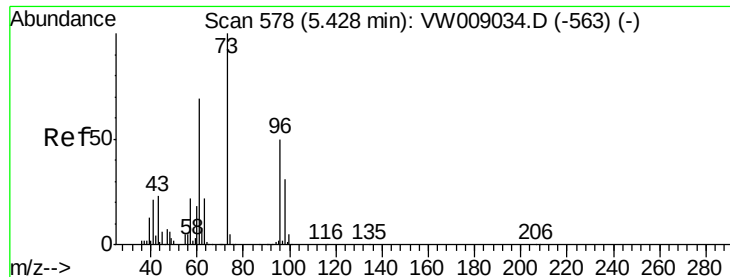


#20

Methylene Chloride  
 Concen: 17.534 ug/l  
 RT: 4.92 min Scan# 495  
 Delta R.T. 0.01 min  
 Lab File: VW009042.D  
 Acq: 07 Mar 2019 16:22

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 84      | 84  | 100   |       |       |
| 49      | 49  | 123.3 | 102.4 | 153.6 |
| 51      | 51  | 39.3  | 31.6  | 47.4  |
| 86      | 86  | 61.8  | 54.5  | 81.7  |





#21

trans-1,2-Dichloroethene

Concen: 20.423 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Instrument :

MSVOA\_W

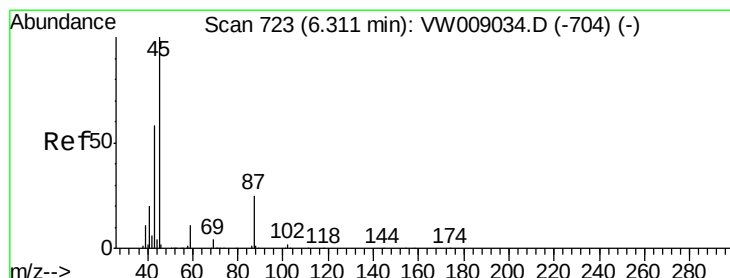
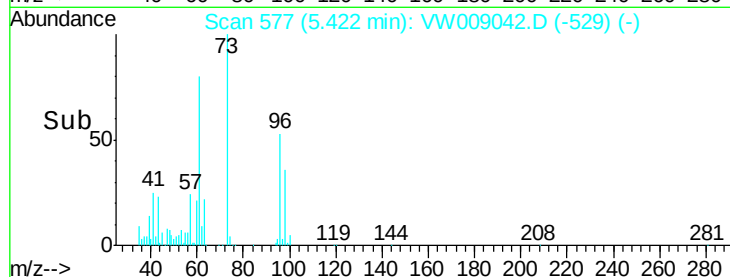
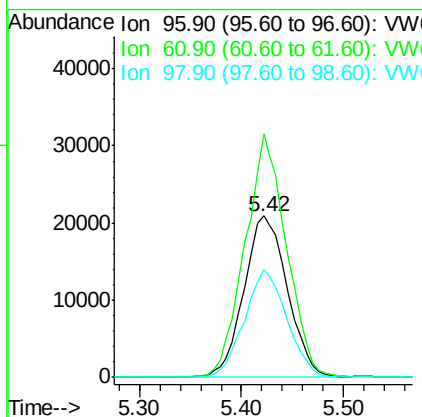
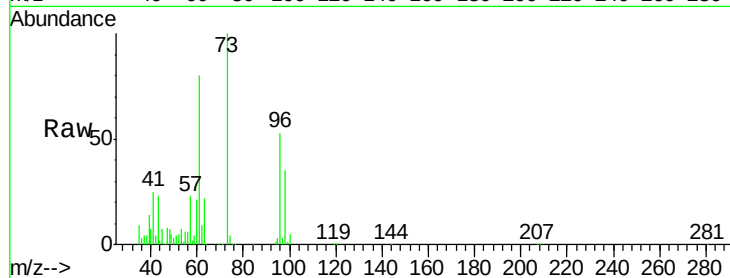
ClientSampleId :

VW0307SBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 61797 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 150.7 | 111.0 | 166.6 |
| 98       | 67.1  | 49.4  | 74.0  |

Manual Integrations  
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3/8/2019 12:06:25 PM



#22

Diisopropyl ether

Concen: 20.720 ug/l

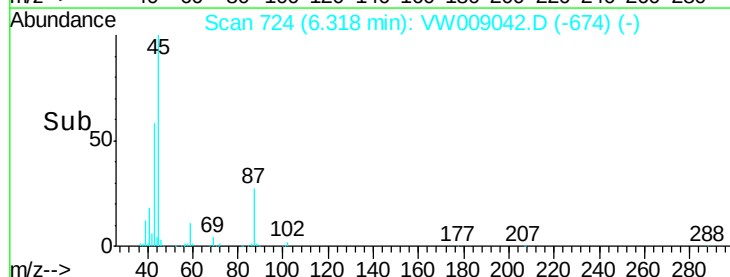
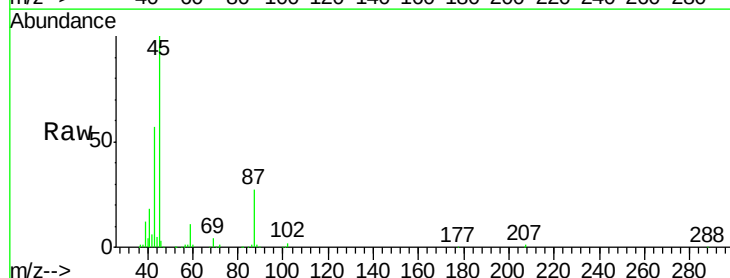
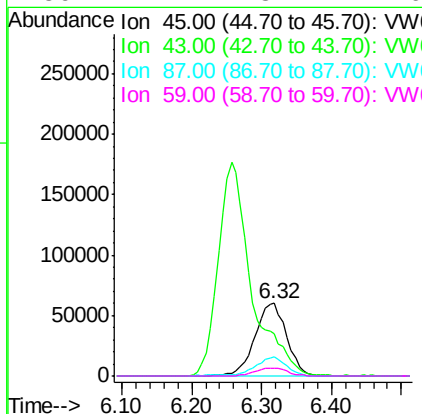
RT: 6.32 min Scan# 724

Delta R.T. 0.01 min

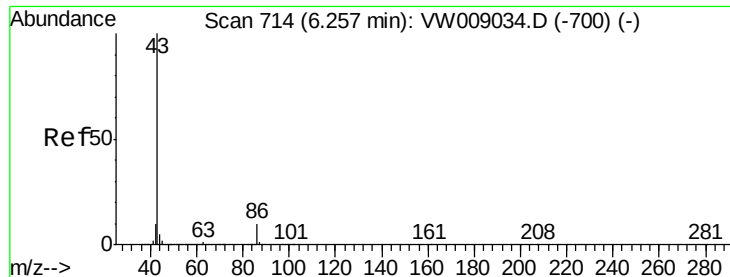
Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 190337 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 56.8  | 46.2  | 69.4   |
| 87       | 26.6  | 20.1  | 30.1   |
| 59       | 11.1  | 8.4   | 12.6   |







#23

Vinyl Acetate

Concen: 101.785 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Instrument :

MSVOA\_W

ClientSampleId :

VW0307SBS01

Tot Ion: 43 Resp: 581846

Ion Ratio Lower Upper

43 100

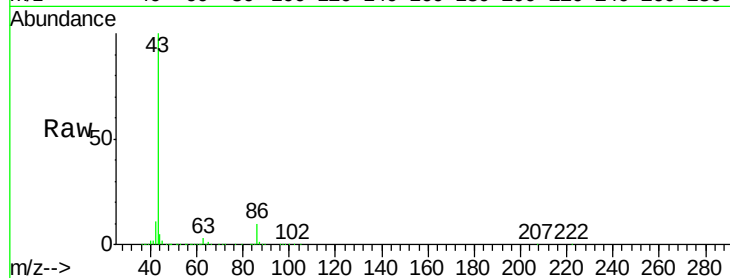
86 9.9 7.6 11.4

Manual Integrations

APPROVED

MMDadoda

3/8/2019 12:06:25 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

200000

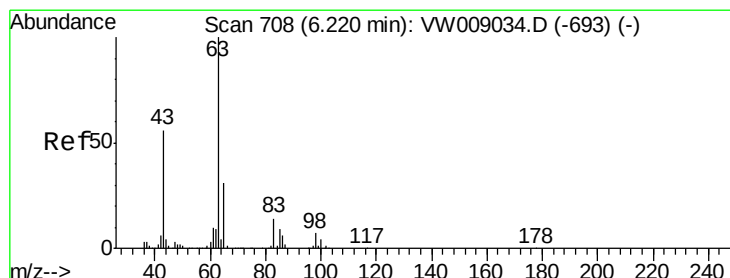
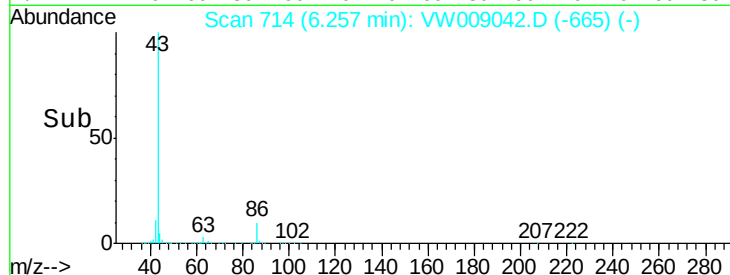
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.643 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

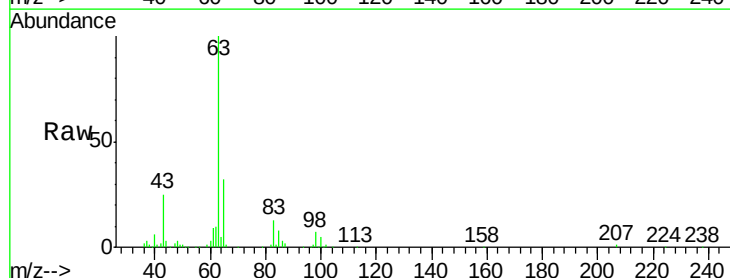
Tgt Ion: 63 Resp: 109991

Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.2

100 4.5 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

50000

40000

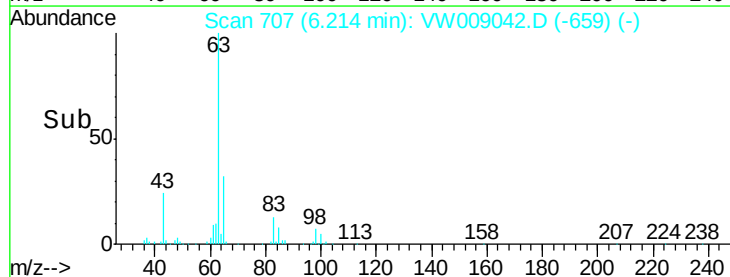
30000

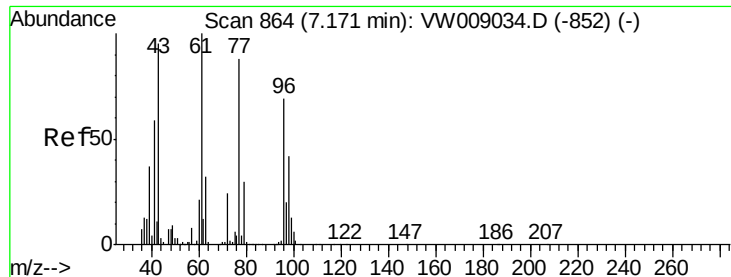
20000

10000

0

Time-->





#25

2-Butanone

Concen: 97.419 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Instrument :

MSVOA\_W

ClientSampled :

VW0307SBSD01

Tot Ion: 43 Resp: 89127

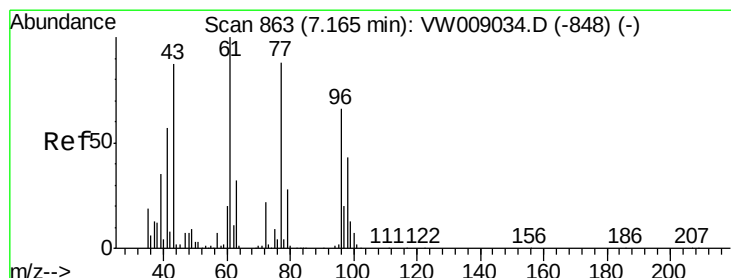
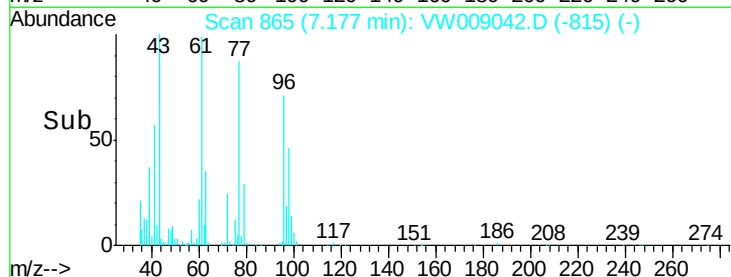
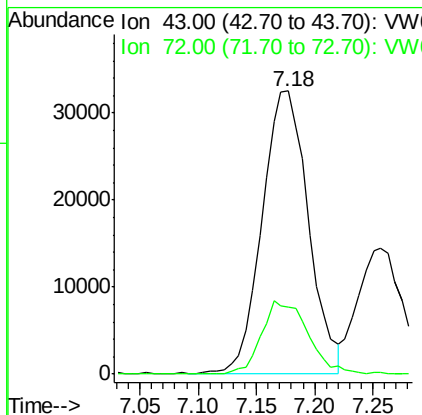
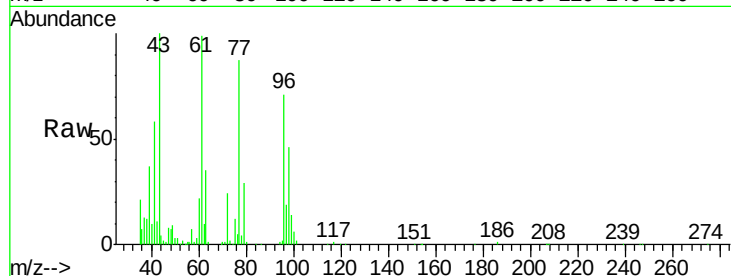
Ion Ratio Lower Upper

43 100

72 23.7 20.0 30.0

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#26

2,2-Dichloropropane

Concen: 21.101 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009042.D

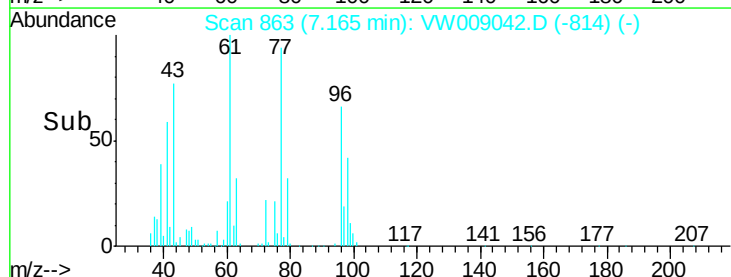
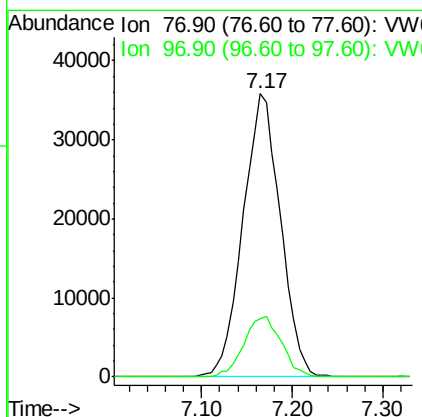
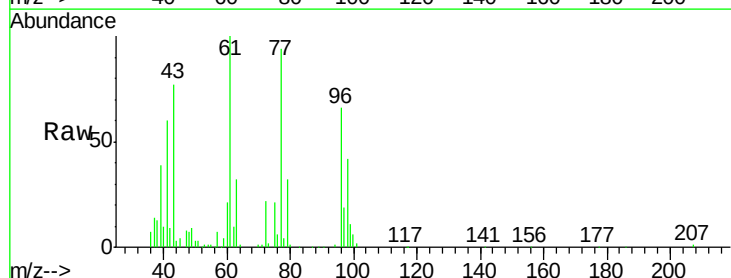
Acq: 07 Mar 2019 16:22

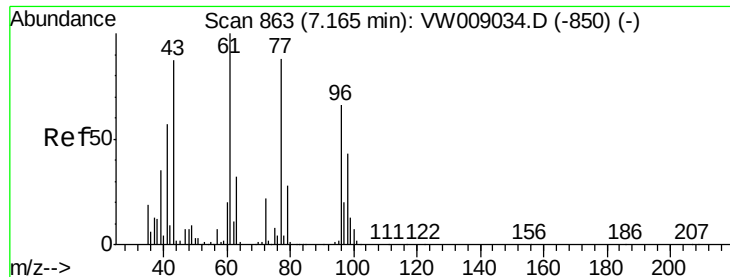
Tgt Ion: 77 Resp: 102194

Ion Ratio Lower Upper

77 100

97 21.5 10.9 32.9





#27

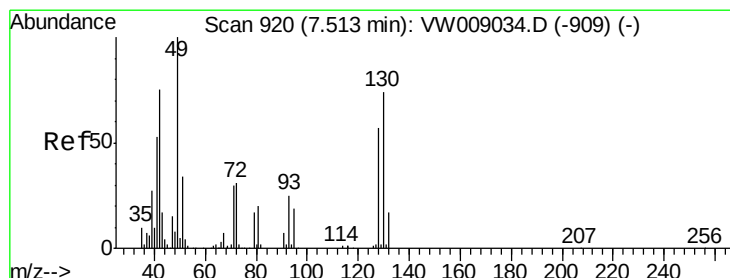
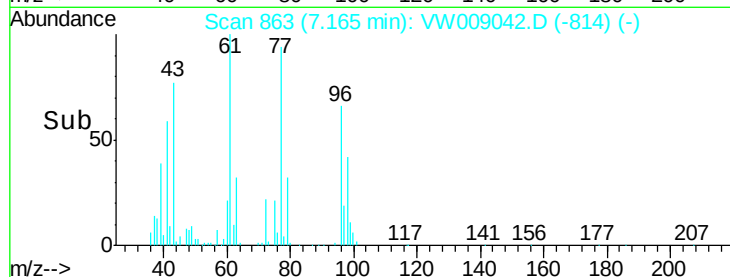
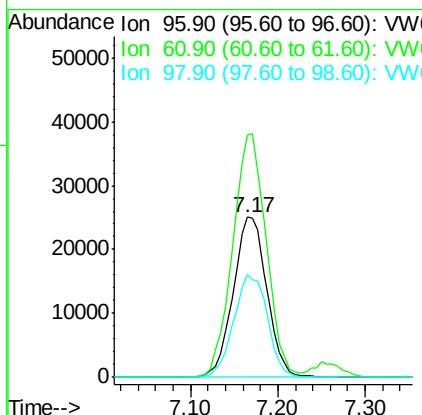
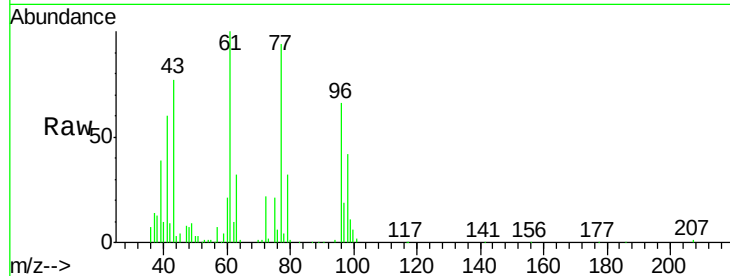
cis-1,2-Dichloroethene  
Concen: 20.537 ug/l  
RT: 7.17 min Scan# 863  
Delta R.T. 0.00 min  
Lab File: VW009042.D  
Acq: 07 Mar 2019 16:22

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0307SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 151.9 | 0.0   | 299.8 |
| 98      | 64.3  | 0.0   | 127.2 |

Manual Integrations  
APPROVED

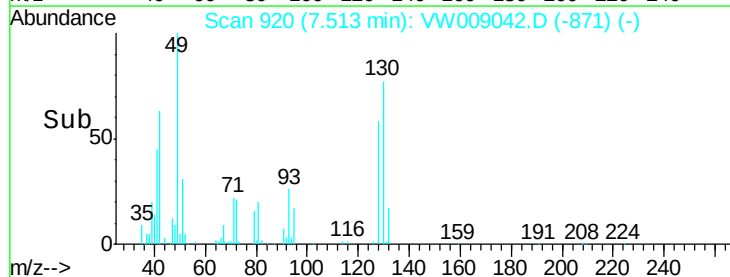
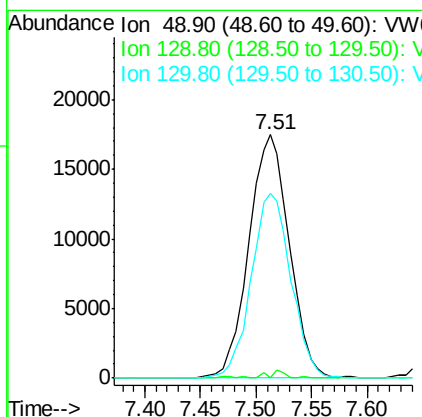
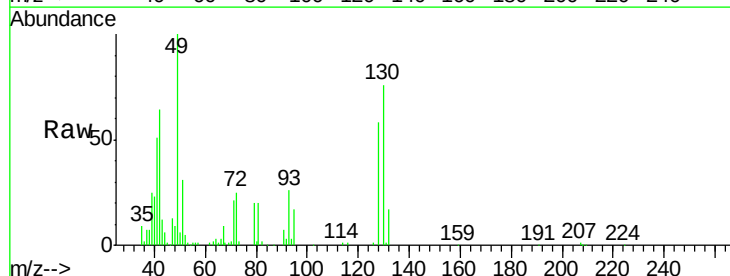
MMDadoda  
3/8/2019 12:06:25 PM

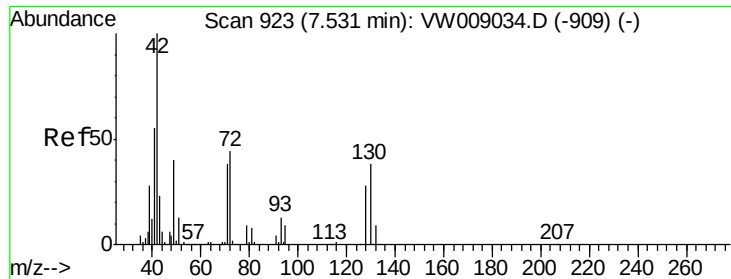


#28

Bromochloromethane  
Concen: 19.924 ug/l  
RT: 7.51 min Scan# 920  
Delta R.T. 0.00 min  
Lab File: VW009042.D  
Acq: 07 Mar 2019 16:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 1.1   | 0.0   | 4.6   |
| 130     | 74.5  | 60.4  | 90.6  |





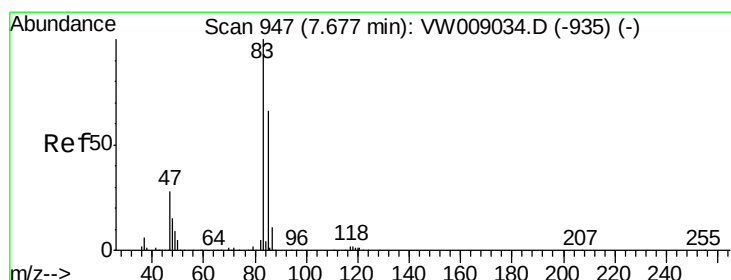
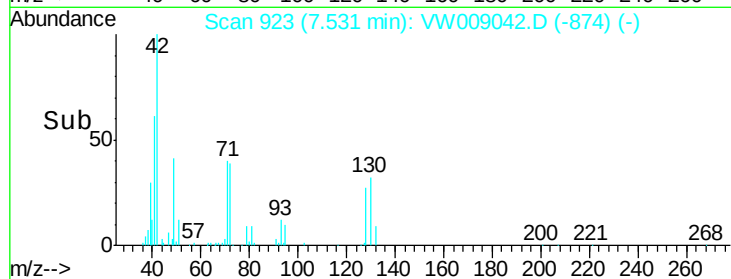
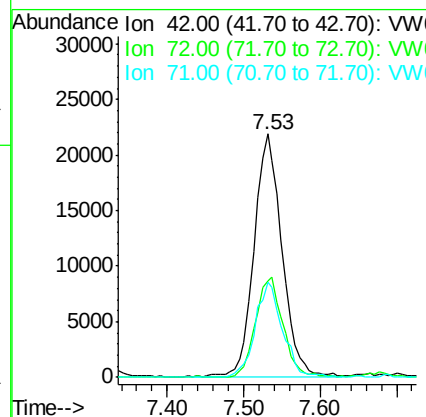
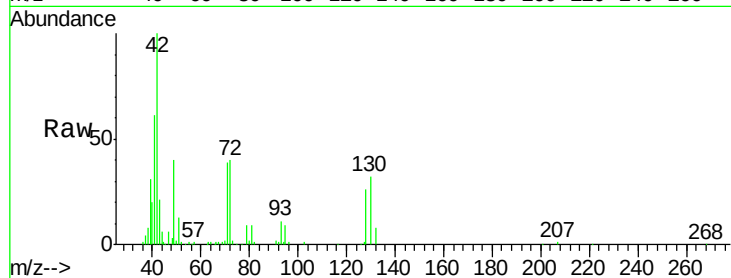
#29  
Tetrahydrofuran  
Concen: 96.169 ug/l  
RT: 7.53 min Scan# 923  
Delta R.T. 0.00 min  
Lab File: VW009042.D  
Acq: 07 Mar 2019 16:22

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0307SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 40.4  | 32.2  | 48.4  |
| 71      | 37.8  | 30.7  | 46.1  |

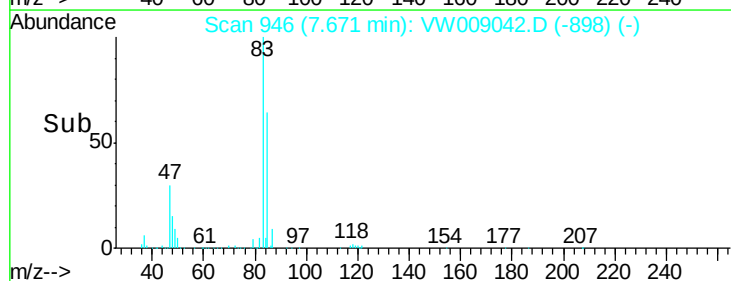
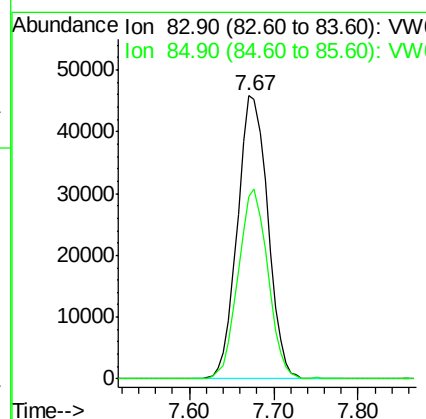
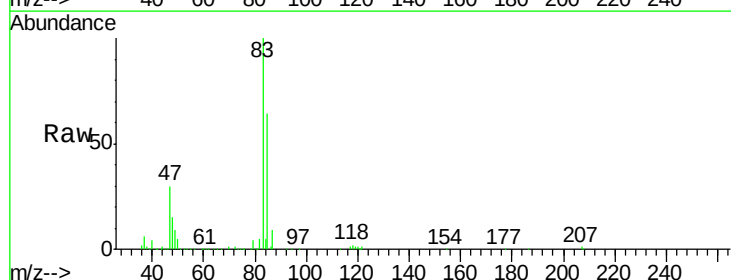
Manual Integrations  
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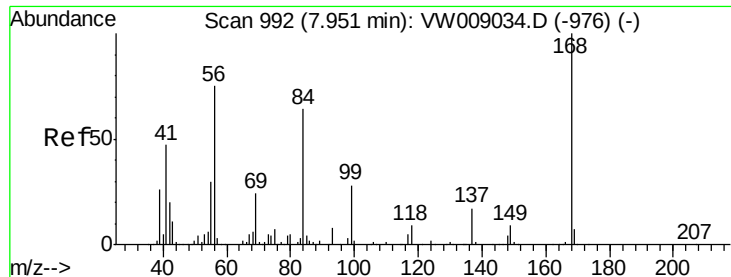
MMDadoda  
3/8/2019 12:06:25 PM



#30  
Chloroform  
Concen: 20.395 ug/l  
RT: 7.67 min Scan# 946  
Delta R.T. -0.01 min  
Lab File: VW009042.D  
Acq: 07 Mar 2019 16:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.3  | 53.0  | 79.6  |





#31

Cyclohexane

Concen: 20.067 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Instrument :

MSVOA\_W

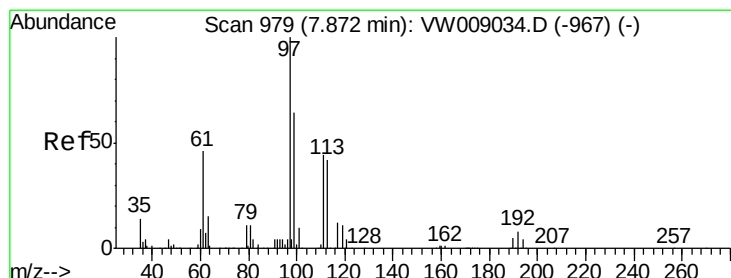
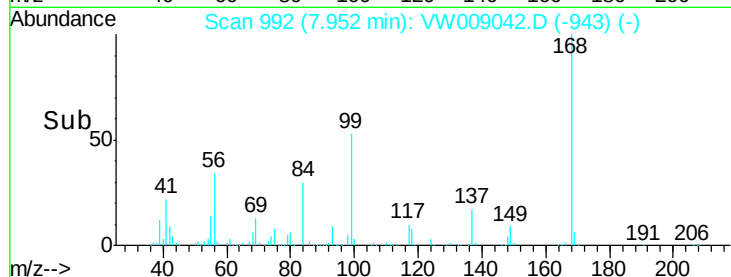
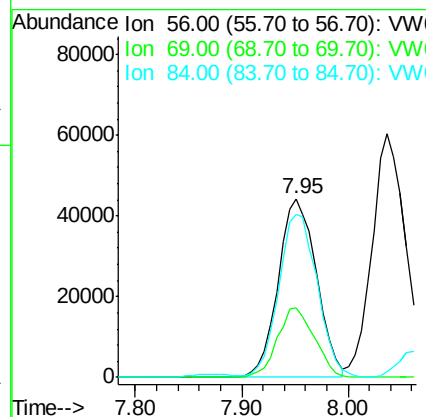
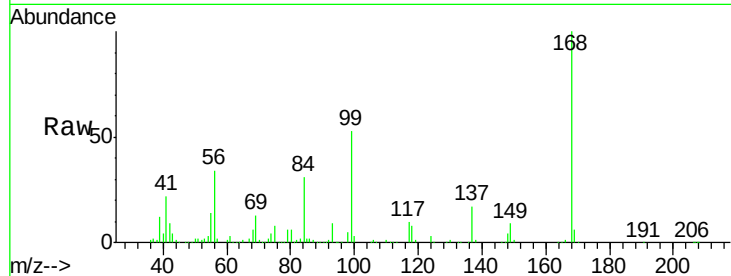
ClientSampleId :

VW0307SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 56    | Resp: | 109786 |
| Ion Ratio | Lower | Upper |        |
| 56        | 100   |       |        |
| 69        | 39.1  | 25.5  | 38.3#  |
| 84        | 90.4  | 68.6  | 103.0  |

Manual Integrations  
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#32

1,1,1-Trichloroethane

Concen: 20.338 ug/l

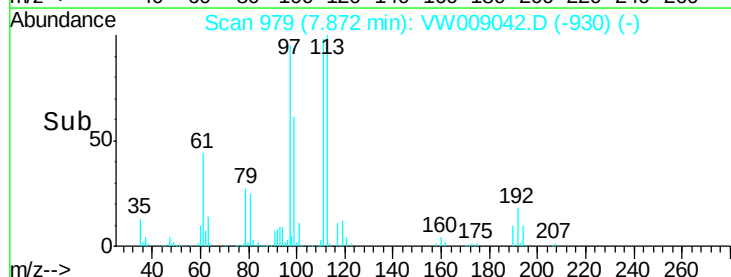
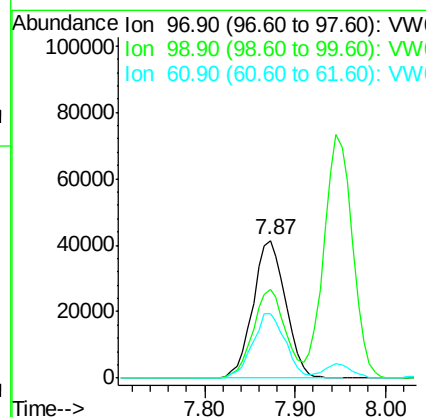
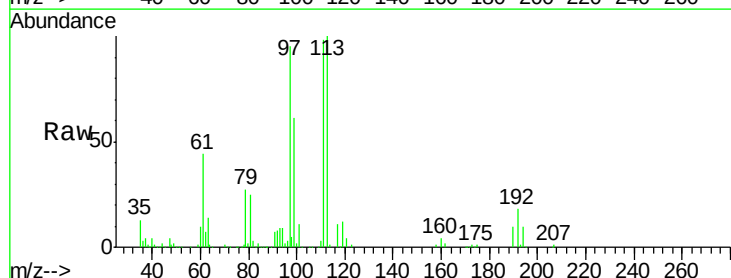
RT: 7.87 min Scan# 979

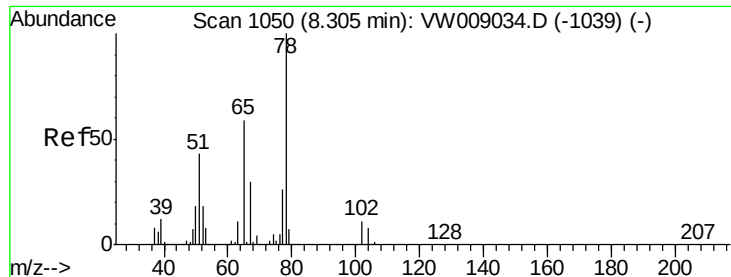
Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 97    | Resp: | 102960 |
| Ion Ratio | Lower | Upper |        |
| 97        | 100   |       |        |
| 99        | 64.3  | 51.8  | 77.8   |
| 61        | 47.2  | 37.3  | 55.9   |





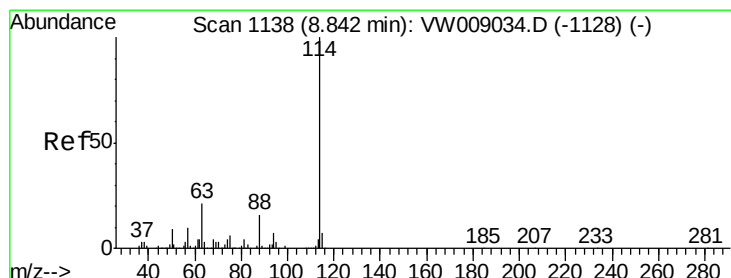
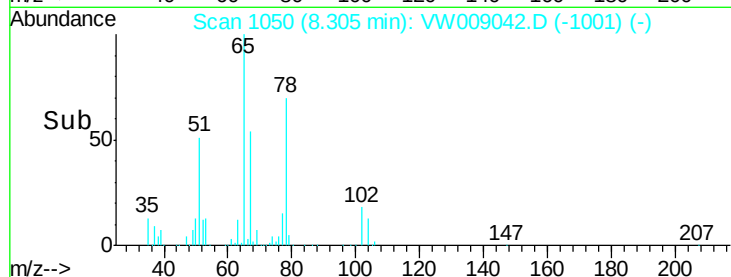
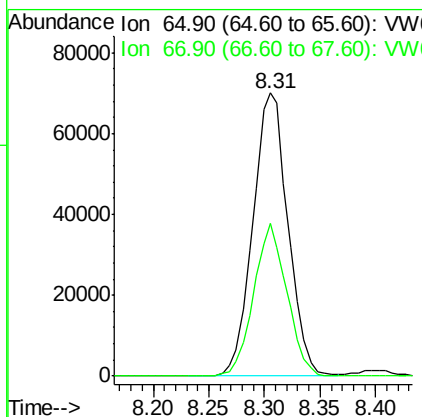
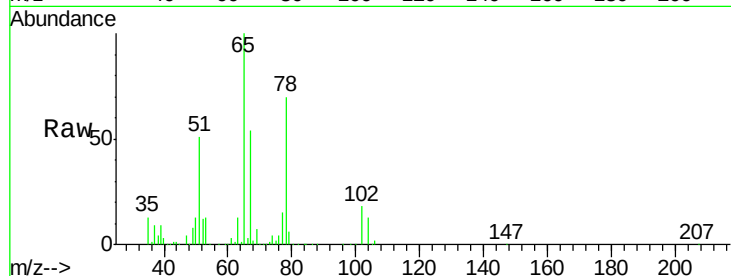
#33  
 1,2-Dichloroethane-d4  
 Concen: 52.395 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. 0.00 min  
 Lab File: VW009042.D  
 Acq: 07 Mar 2019 16:22

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0307SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 153705 |       |       |
| 67      | 51.0  | 0.0    | 103.0 |       |

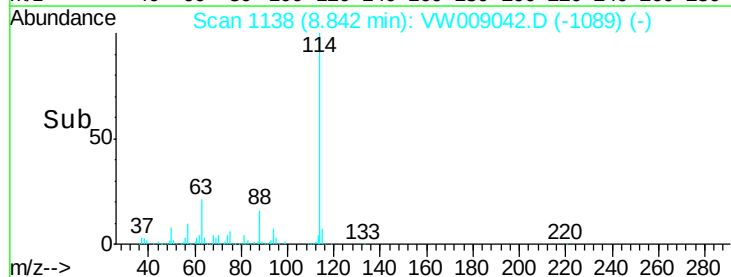
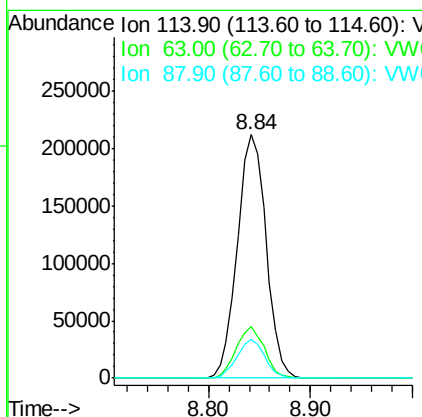
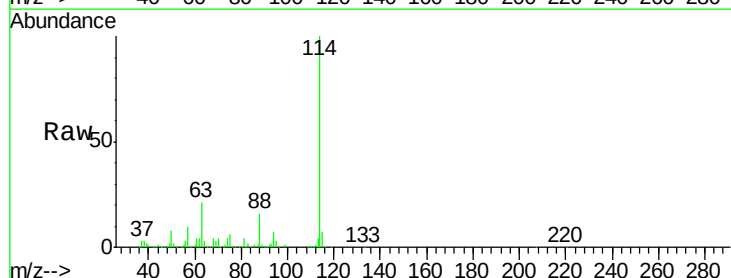
Manual Integrations  
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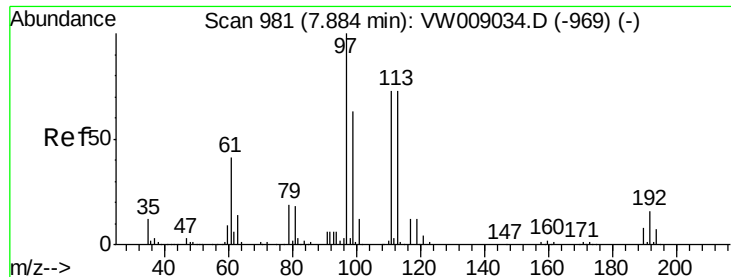
MMDadoda  
 3/8/2019 12:06:25 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: VW009042.D  
 Acq: 07 Mar 2019 16:22

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 415589 |       |       |
| 63      | 21.4  | 0.0    | 41.2  |       |
| 88      | 15.8  | 0.0    | 31.2  |       |





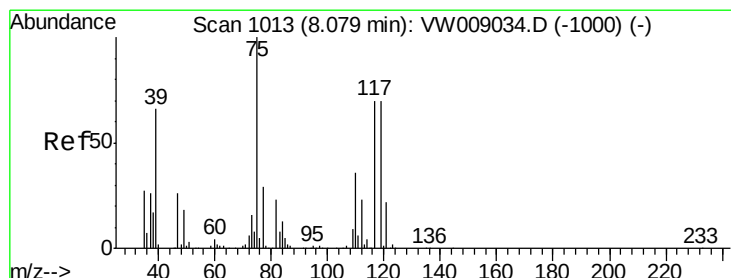
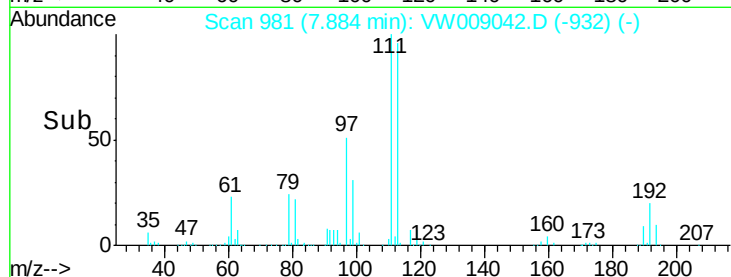
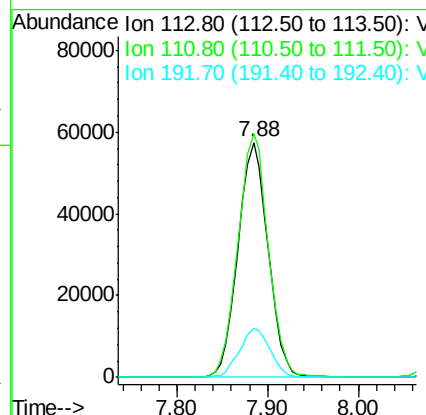
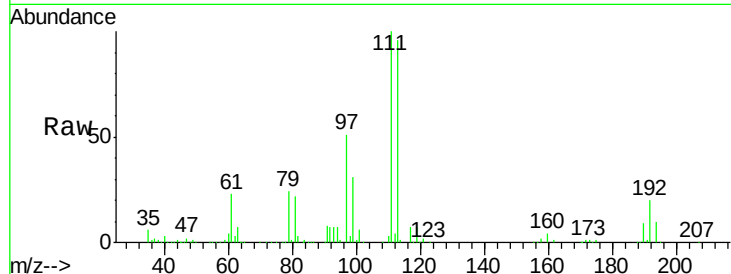
#35  
Dibromofluoromethane  
Concen: 53.010 ug/l  
RT: 7.88 min Scan# 981  
Delta R.T. 0.00 min  
Lab File: VW009042.D  
Acq: 07 Mar 2019 16:22

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0307SBSD01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 113     | 100   |      |       |       |
| 111     | 104.5 | 81.0 | 121.4 |       |
| 192     | 21.3  | 17.1 | 25.7  |       |

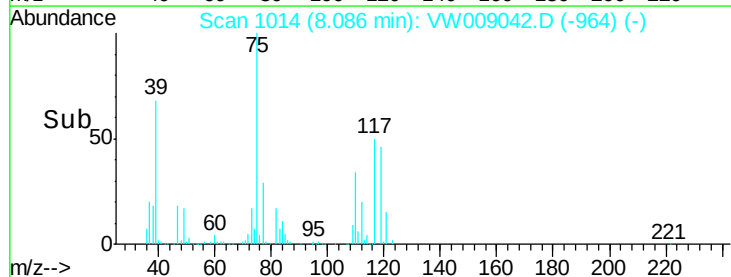
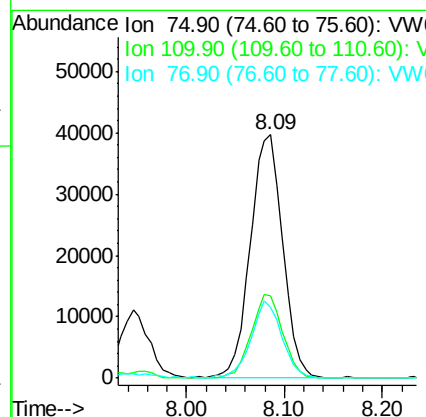
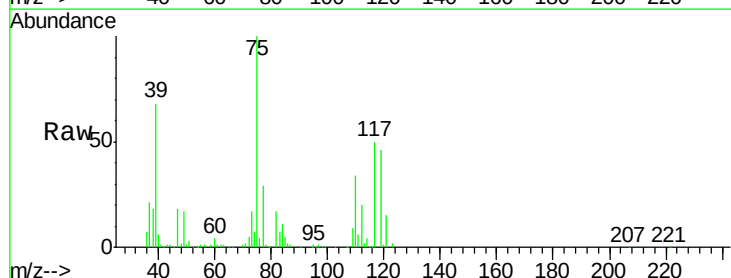
Manual Integrations  
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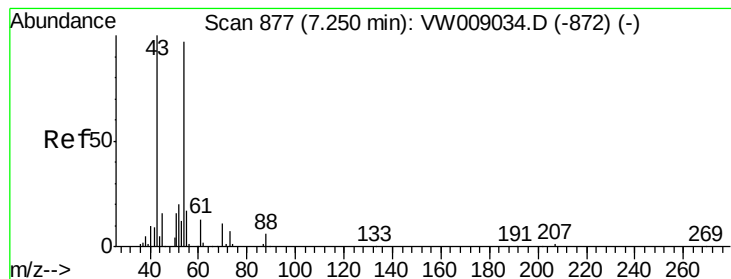
MMDadoda  
3/8/2019 12:06:25 PM



#36  
1,1-Dichloropropene  
Concen: 21.001 ug/l  
RT: 8.09 min Scan# 1014  
Delta R.T. 0.01 min  
Lab File: VW009042.D  
Acq: 07 Mar 2019 16:22

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 75      | 100   |      |       |       |
| 110     | 33.6  | 17.6 | 52.9  |       |
| 77      | 30.5  | 25.1 | 37.7  |       |





#37

Ethyl Acetate

Concen: 19.072 ug/l

RT: 7.26 min Scan# 878

Delta R.T. 0.01 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Instrument :

MSVOA\_W

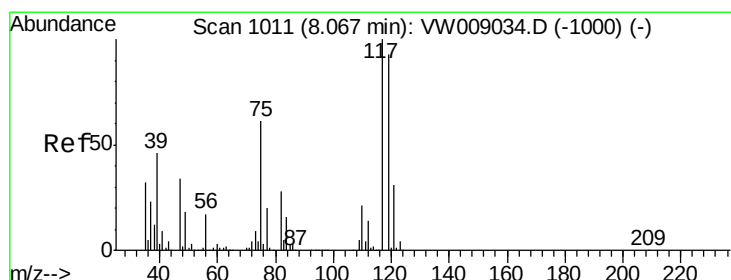
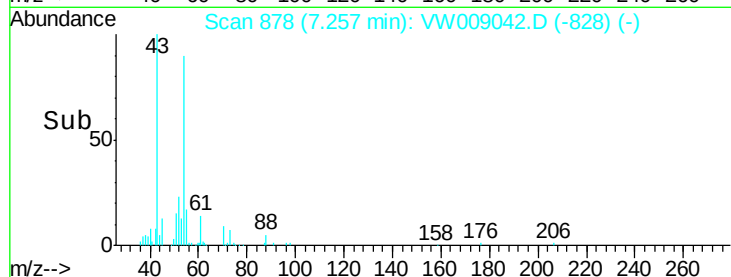
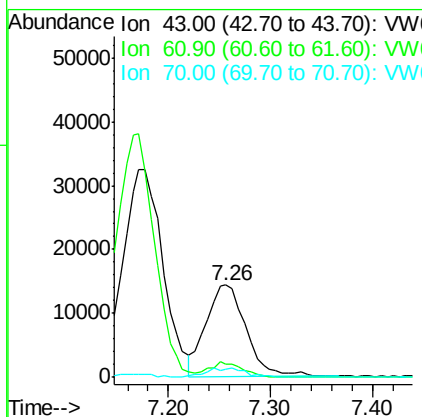
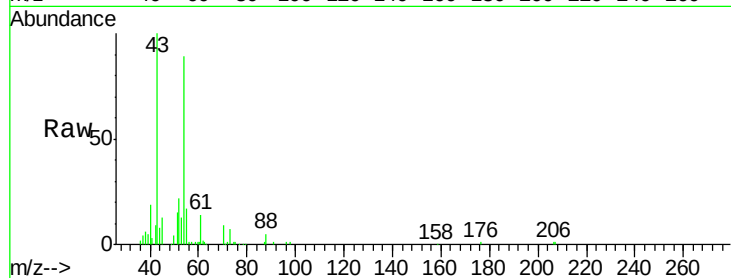
ClientSampleId :

VW0307SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 38929 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 14.3  | 9.8   | 14.6  |
| 70       | 10.1  | 7.2   | 10.8  |

Manual Integrations  
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3/8/2019 12:06:25 PM



#38

Carbon Tetrachloride

Concen: 20.898 ug/l

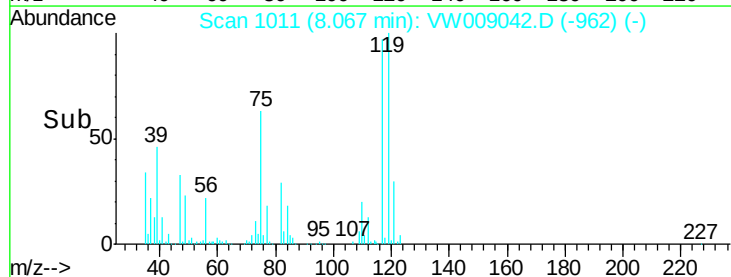
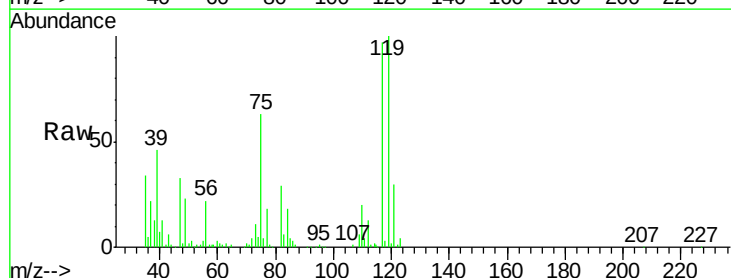
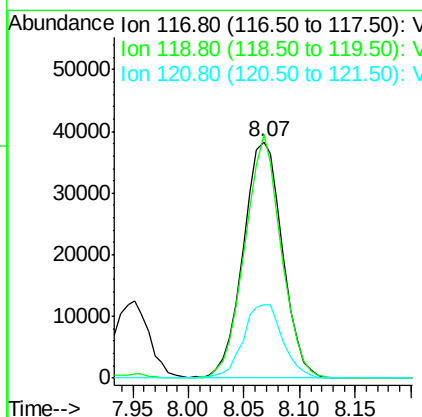
RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

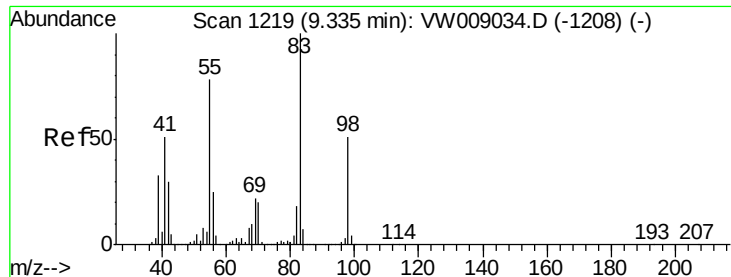
Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 93783 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 103.2 | 74.6  | 112.0 |
| 121      | 31.1  | 24.7  | 37.1  |







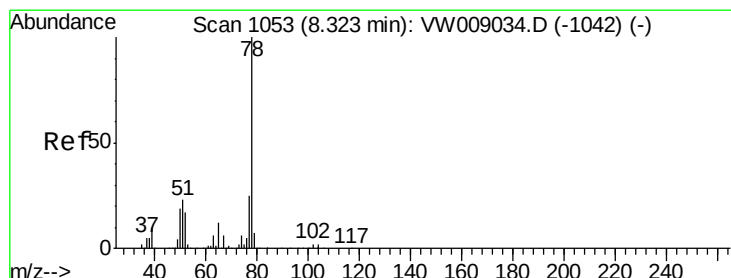
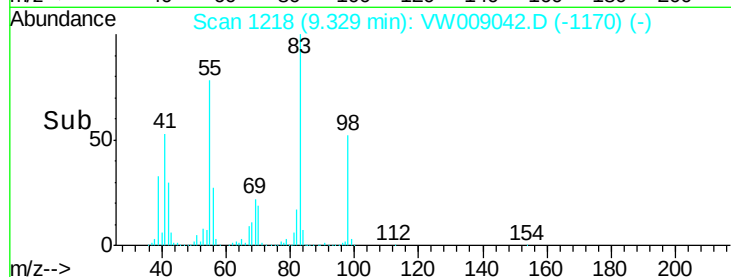
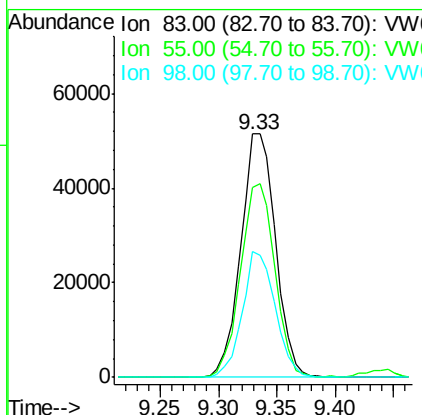
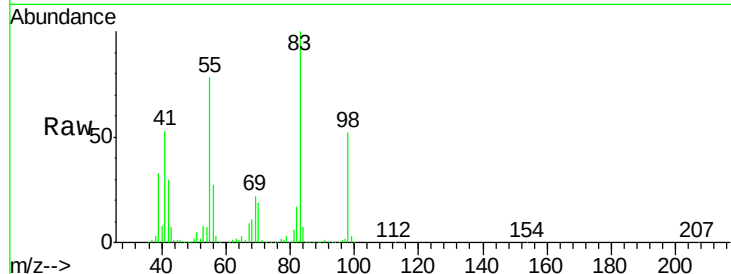
#39  
Methylvlcyclohexane  
Concen: 20.674 ug/l  
RT: 9.33 min Scan# 1219  
Delta R.T. -0.01 min  
Lab File: VW009042.D  
Acq: 07 Mar 2019 16:22

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0307SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 77.8  | 62.7  | 94.1  |
| 98      | 51.8  | 40.8  | 61.2  |

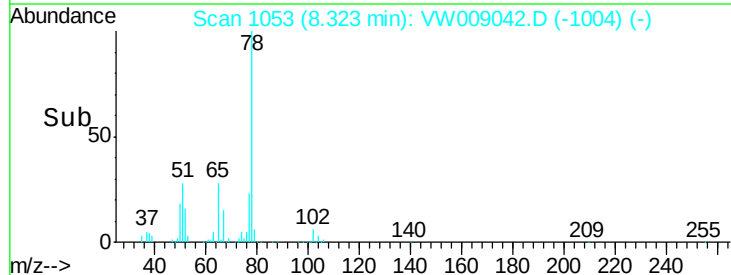
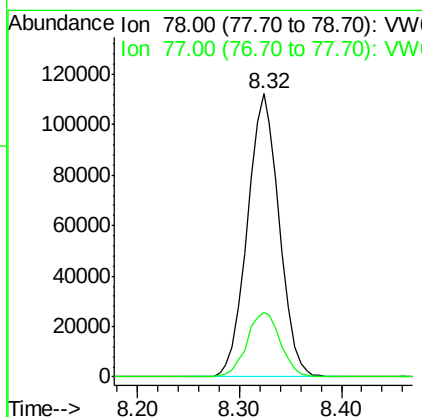
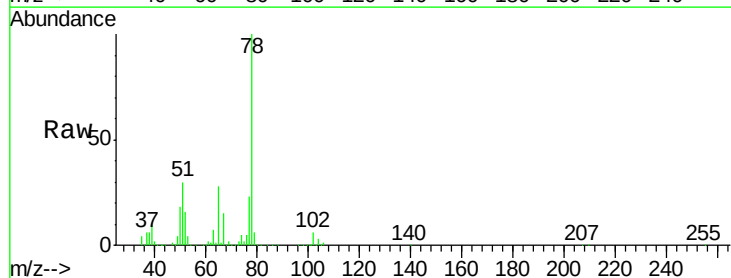
Manual Integrations  
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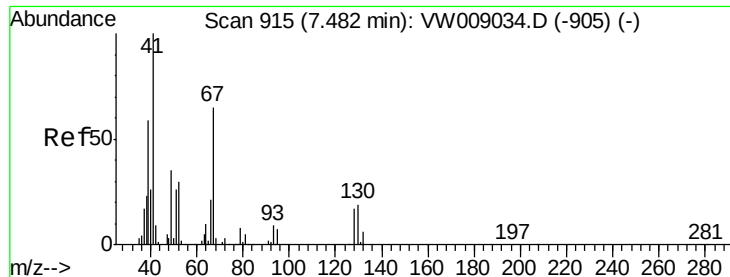
MMDadoda  
3/8/2019 12:06:25 PM



#40  
Benzene  
Concen: 20.999 ug/l  
RT: 8.32 min Scan# 1053  
Delta R.T. 0.00 min  
Lab File: VW009042.D  
Acq: 07 Mar 2019 16:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 22.7  | 20.2  | 30.4  |





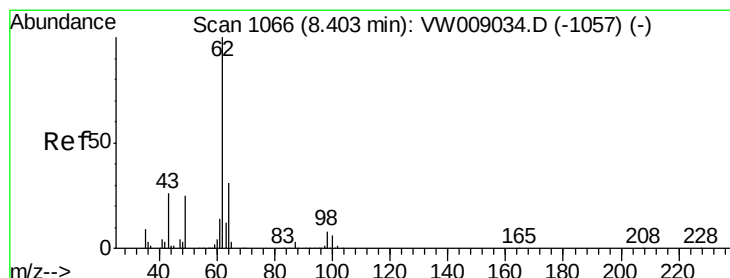
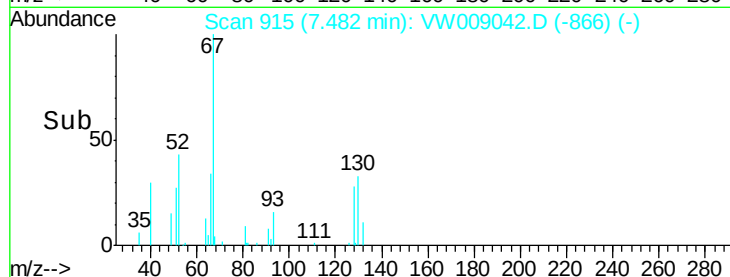
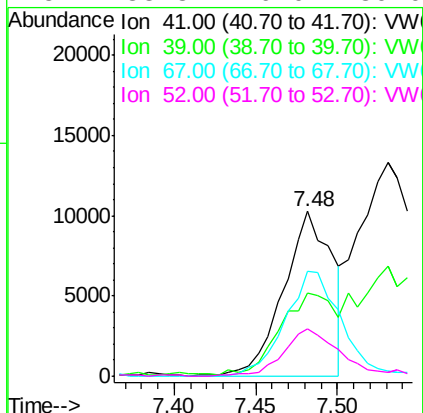
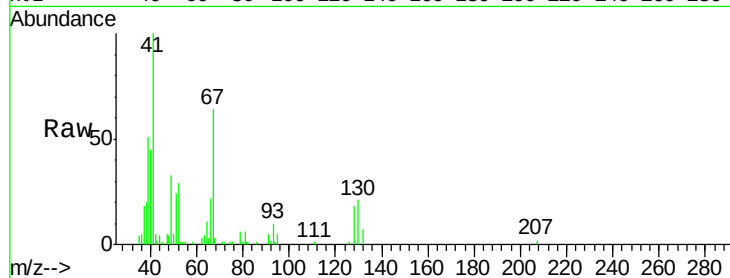
#41  
Methacrylonitrile  
Concen: 18.819 ug/l  
RT: 7.48 min Scan# 915  
Delta R.T. 0.00 min  
Lab File: VW009042.D  
Acq: 07 Mar 2019 16:22

Instrument :  
MSVOA\_W  
ClientSampled :  
VW0307SBSD01

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 41      | 100  |       | 21331 |       |       |
| 39      | 54.9 | 53.6  | 80.4  |       |       |
| 67      | 73.3 | 57.6  | 86.4  |       |       |
| 52      | 33.8 | 26.0  | 39.0  |       |       |

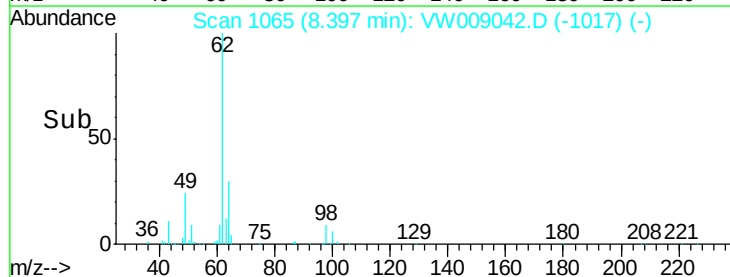
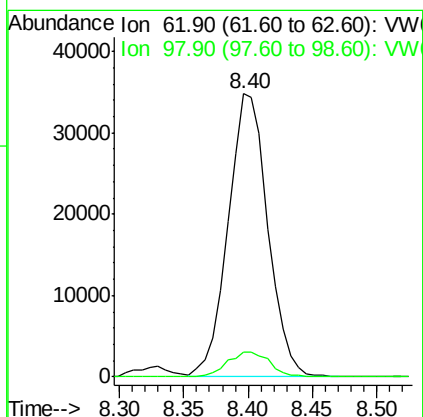
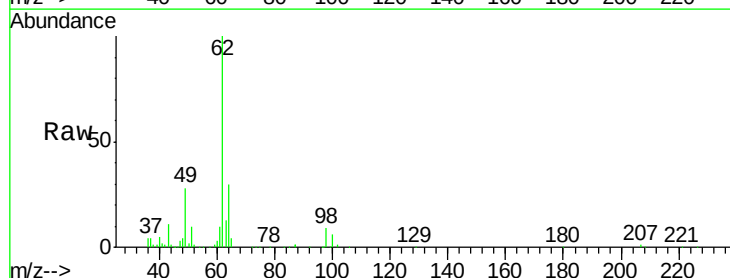
Manual Integrations  
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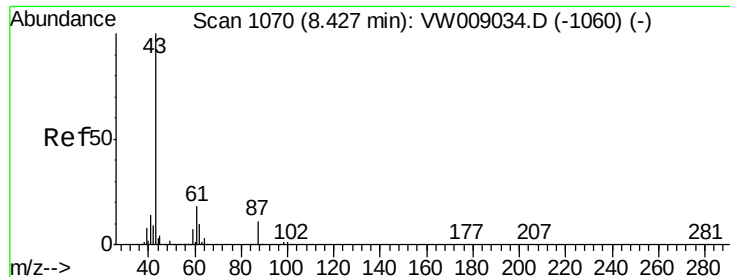
MMDadoda  
3/8/2019 12:06:25 PM



#42  
1,2-Dichloroethane  
Concen: 19.916 ug/l  
RT: 8.40 min Scan# 1065  
Delta R.T. -0.01 min  
Lab File: VW009042.D  
Acq: 07 Mar 2019 16:22

| Tgt Ion | Ion | Ratio | Resp  | Lower | Upper |
|---------|-----|-------|-------|-------|-------|
| 62      | 100 |       | 74585 |       |       |
| 98      | 9.4 | 0.0   | 17.6  |       |       |





#43

Isopropyl Acetate

Concen: 19.585 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Instrument :

MSVOA\_W

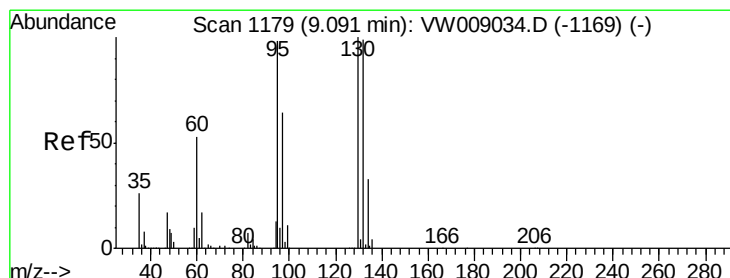
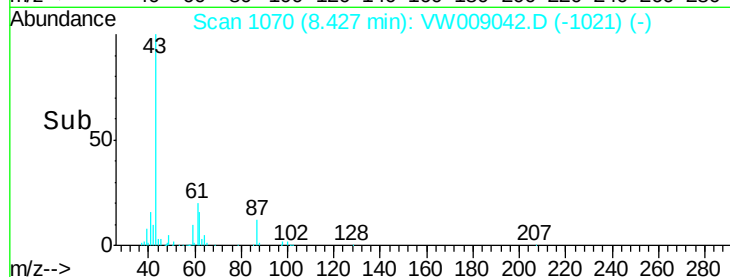
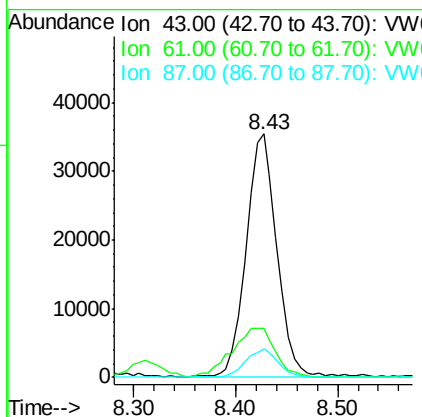
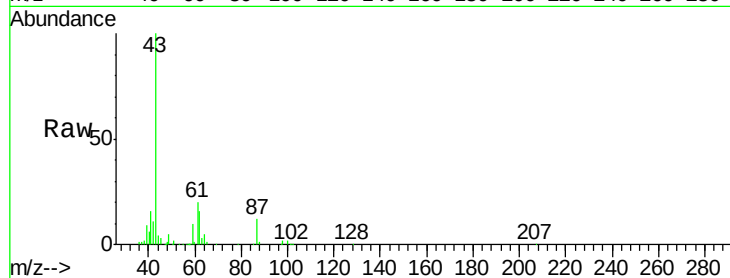
ClientSampleId :

VW0307SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 74452 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 28.4  | 22.8  | 34.2  |
| 87       | 12.2  | 9.4   | 14.2  |

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#44

Trichloroethene

Concen: 20.929 ug/l

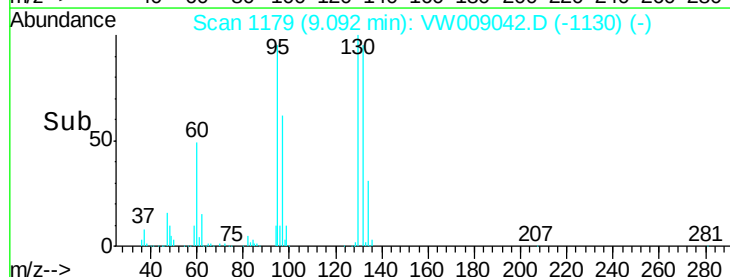
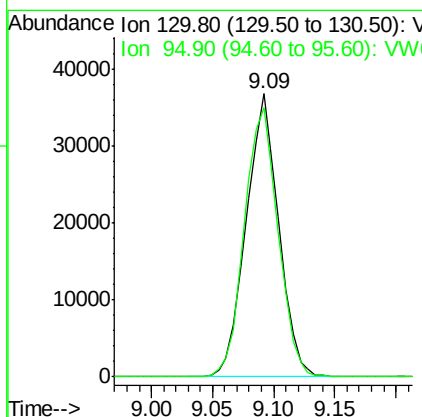
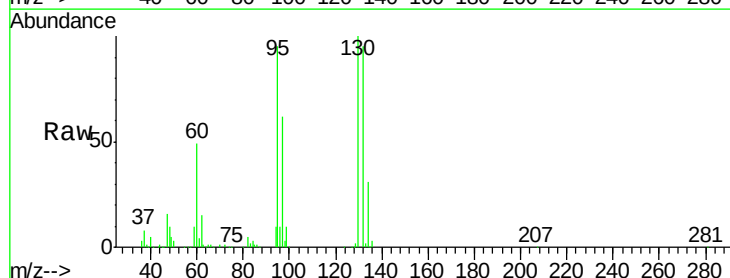
RT: 9.09 min Scan# 1179

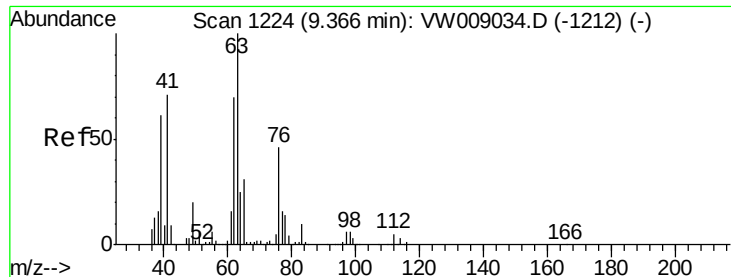
Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 68044 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 95.0  | 0.0   | 197.0 |





#45

1,2-Dichloropropane

Concen: 20.539 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Instrument :

MSVOA\_W

ClientSampled :

VW0307SBS01

Tot Ion: 63 Resp: 59673

Ion Ratio Lower Upper

63 100

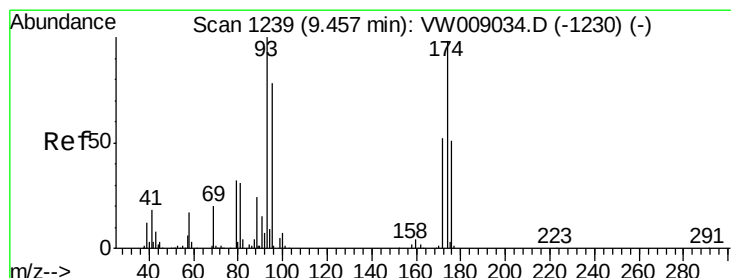
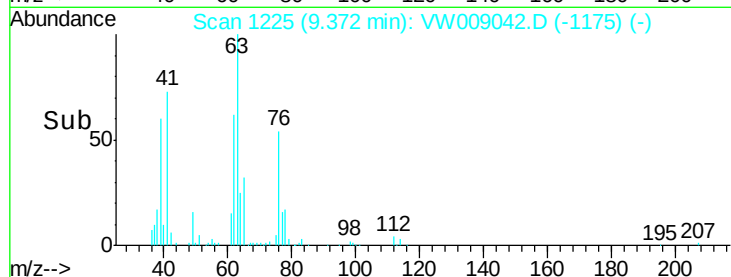
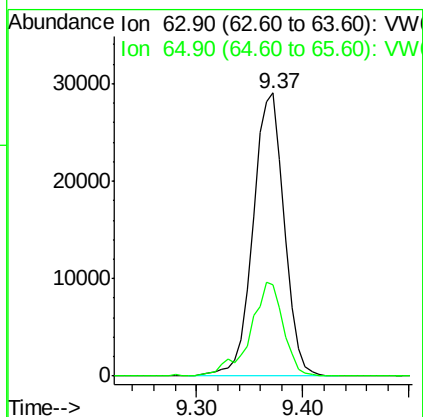
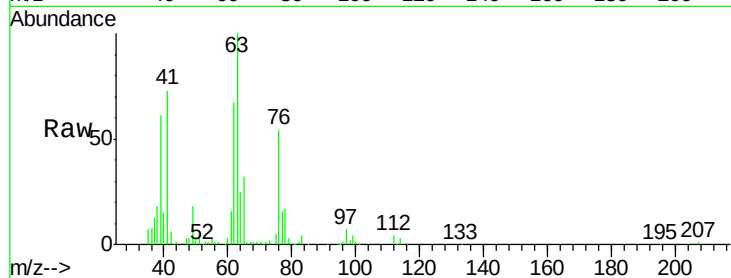
65 32.3 24.9 37.3

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#46

Dibromomethane

Concen: 20.163 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.01 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

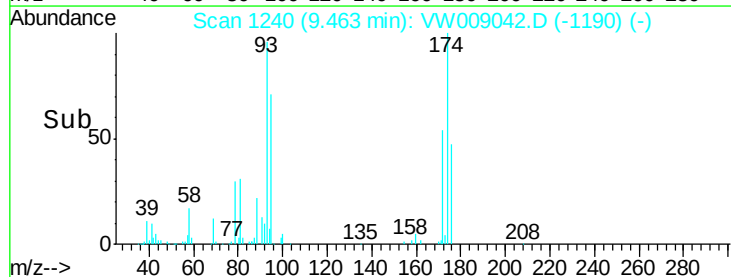
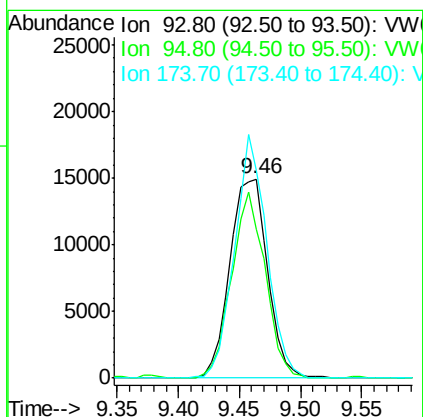
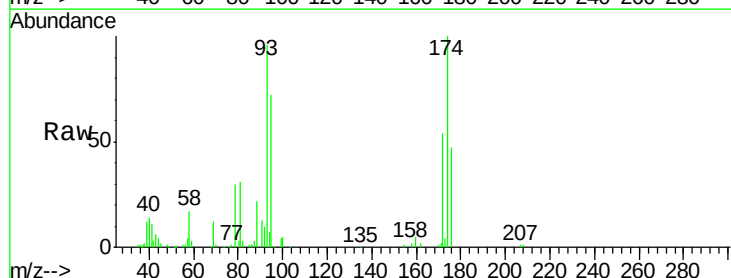
Tgt Ion: 93 Resp: 31992

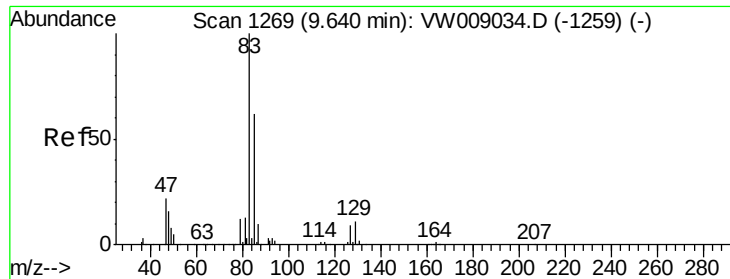
Ion Ratio Lower Upper

93 100

95 83.4 65.0 97.6

174 104.2 81.8 122.6





#47

Bromodichloromethane

Concen: 20.209 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Instrument :

MSVOA\_W

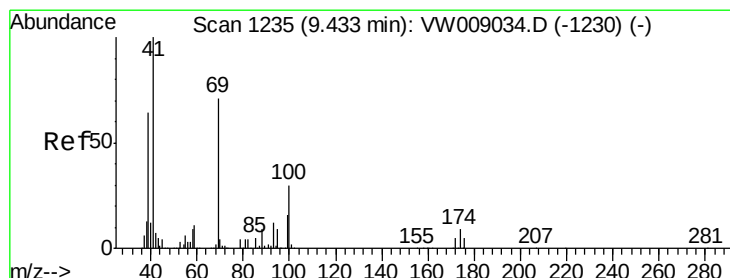
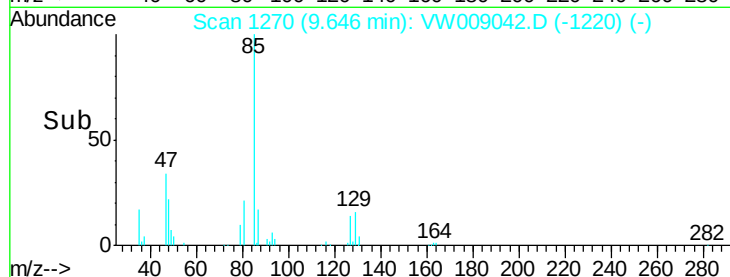
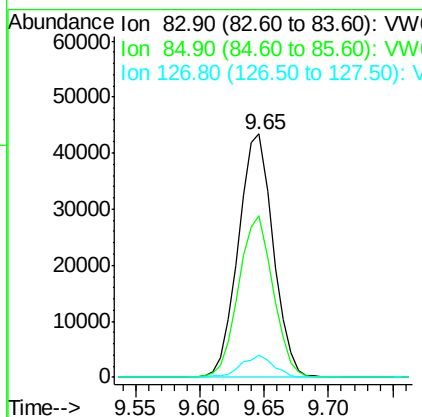
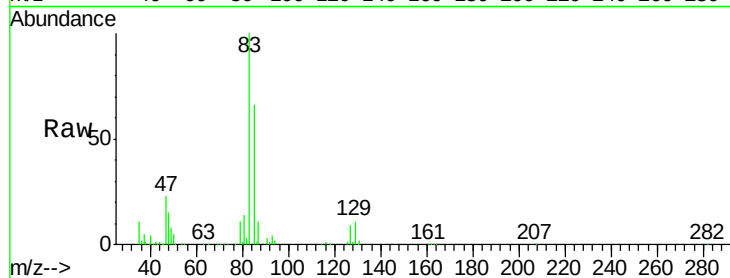
ClientSampleId :

VW0307SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 81168 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 85        | 66.0  | 49.9  | 74.9  |
| 127       | 9.3   | 7.1   | 10.7  |

Manual Integrations  
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#48

Methyl methacrylate

Concen: 18.687 ug/l

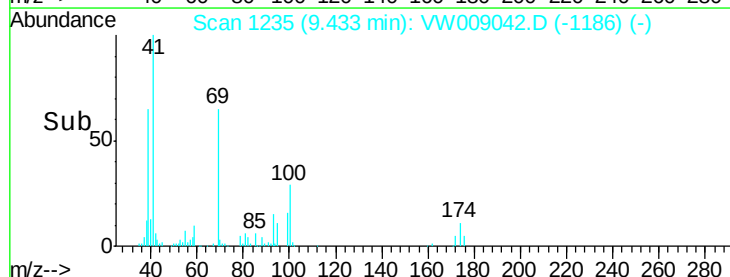
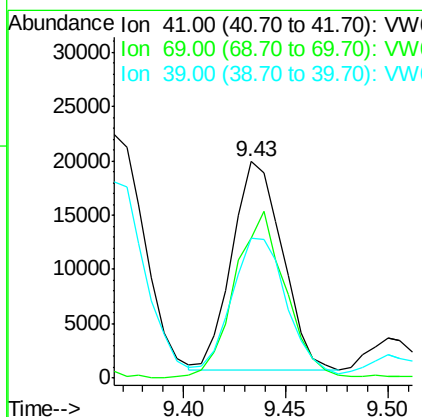
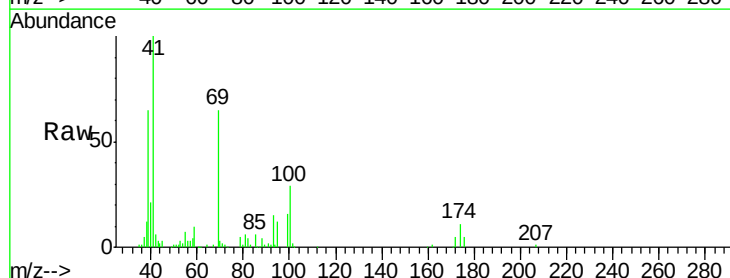
RT: 9.43 min Scan# 1235

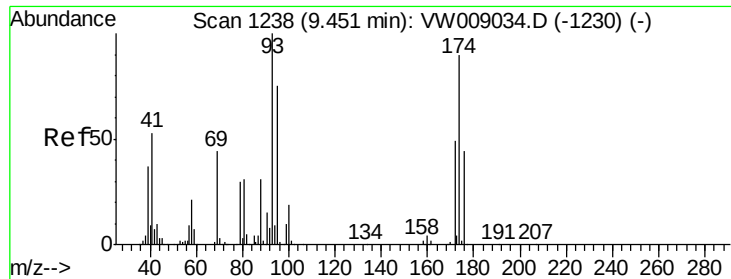
Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 41    | Resp: | 33078 |
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 69        | 80.8  | 59.1  | 88.7  |
| 39        | 70.1  | 48.9  | 73.3  |





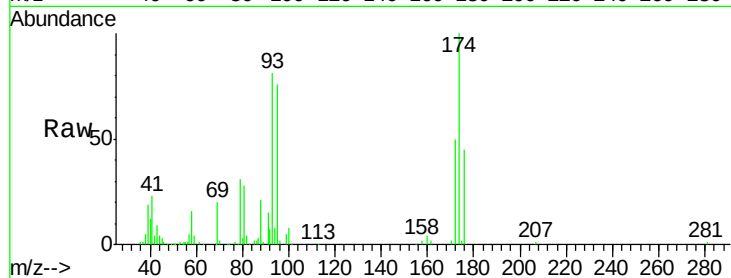
#49  
1,4-Dioxane  
Concen: 364.154 ug/l  
RT: 9.46 min Scan# 1239  
Delta R.T. 0.01 min  
Lab File: VW009042.D  
Acq: 07 Mar 2019 16:22

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0307SBSD01

| Tot Ion   | 88   | Resp  | 8274  |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 88        | 100  |       |       |
| 43        | 32.6 | 29.0  | 43.4  |
| 58        | 75.9 | 59.2  | 88.8  |

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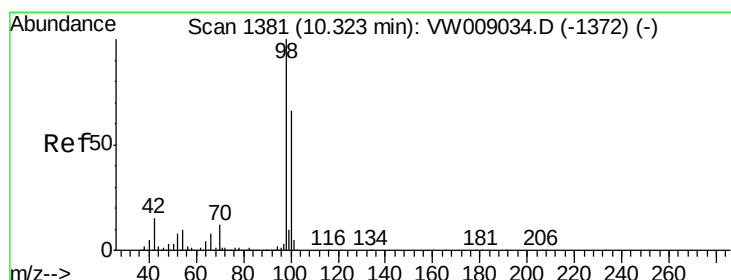
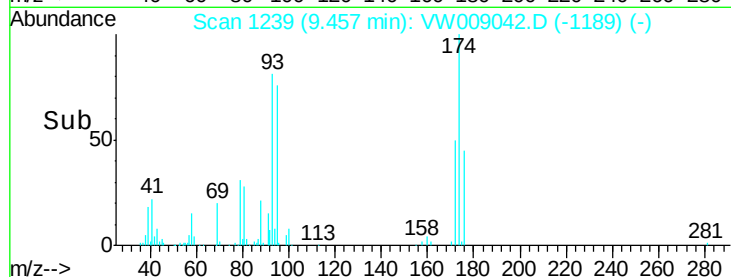
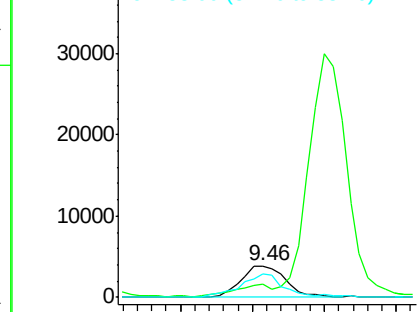


Abundance

Ion 88.00 (87.70 to 88.70): VW

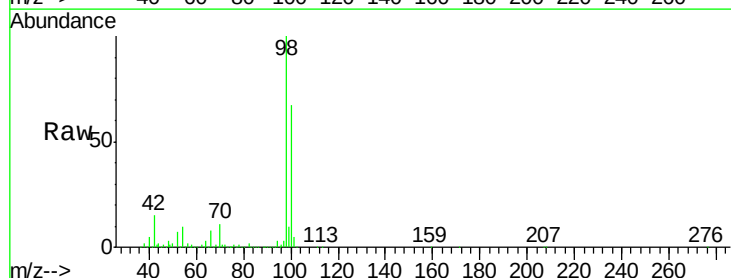
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50  
Toluene-d8  
Concen: 53.372 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. 0.00 min  
Lab File: VW009042.D  
Acq: 07 Mar 2019 16:22

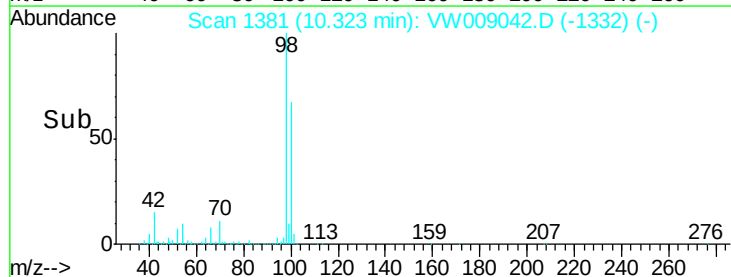
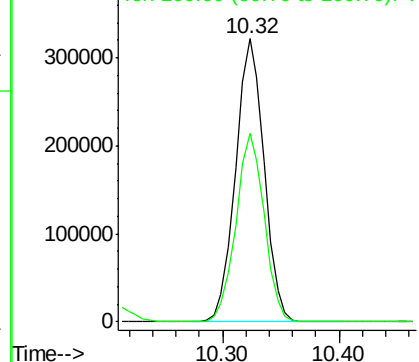
| Tgt Ion   | 98   | Resp  | 548507 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 98        | 100  |       |        |
| 100       | 66.0 | 51.9  | 77.9   |

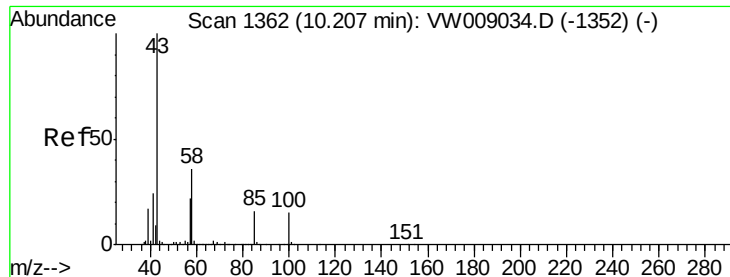


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 96.504 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Instrument :

MSVOA\_W

ClientSampleId :

VW0307SBS01

Tot Ion: 43 Resp: 186244

Ion Ratio Lower Upper

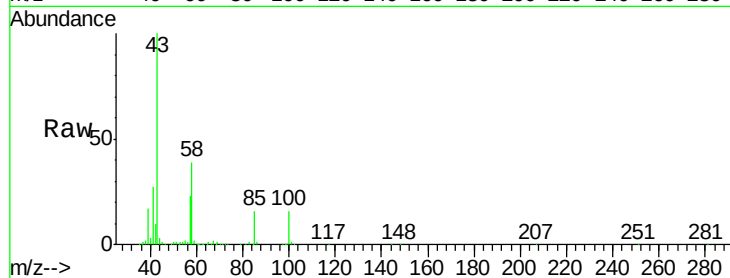
43 100

58 36.5 28.8 43.2

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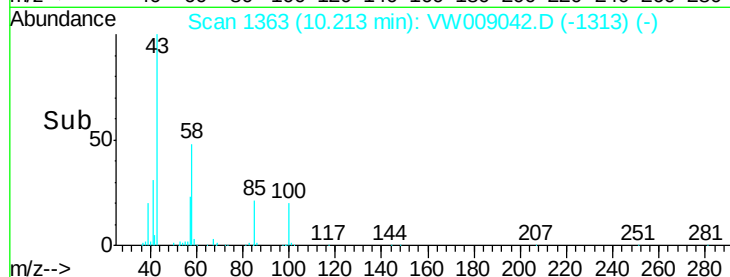
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

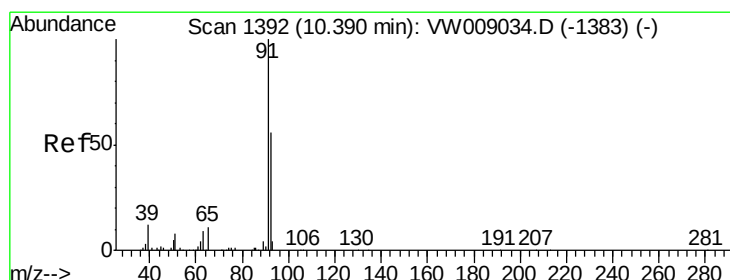
10.21

10.20

10.30



Time-->



#52

Toluene

Concen: 20.267 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW009042.D

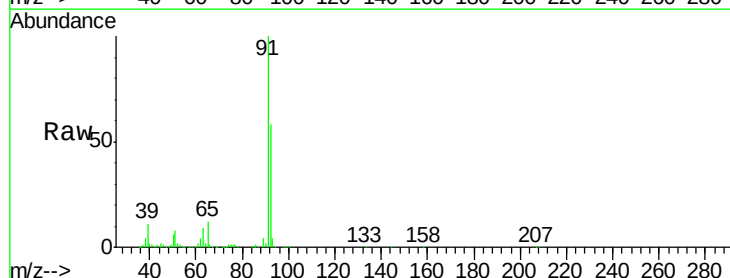
Acq: 07 Mar 2019 16:22

Tgt Ion: 92 Resp: 159441

Ion Ratio Lower Upper

92 100

91 172.7 139.9 209.9



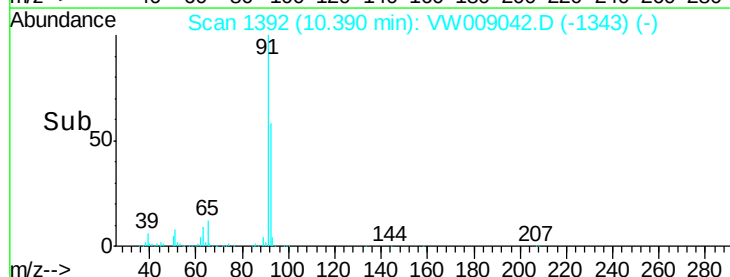
Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

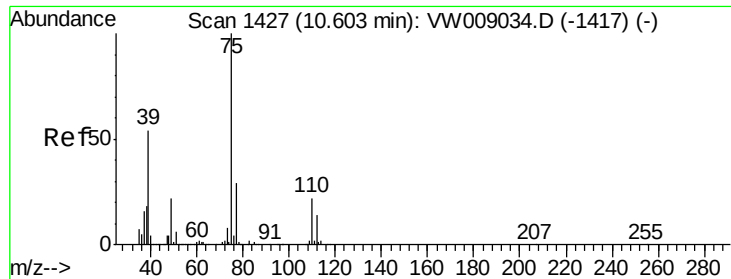
10.39

10.30

10.50



Time-->



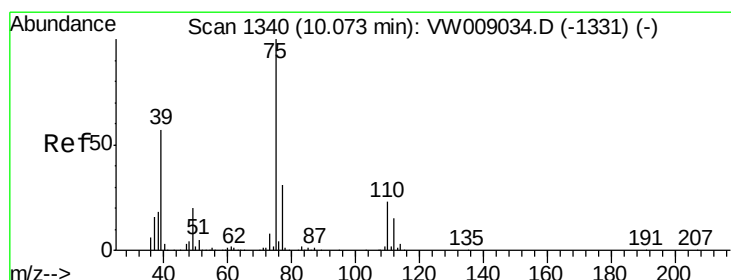
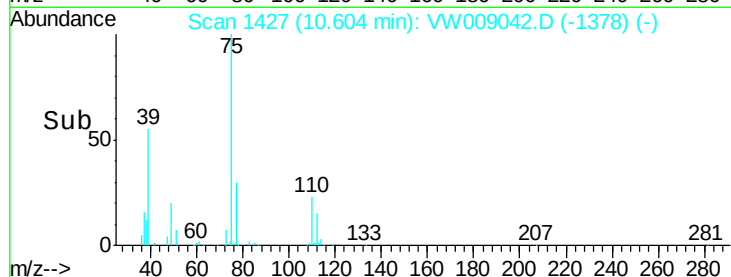
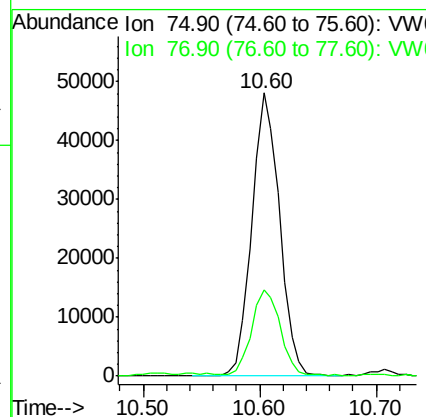
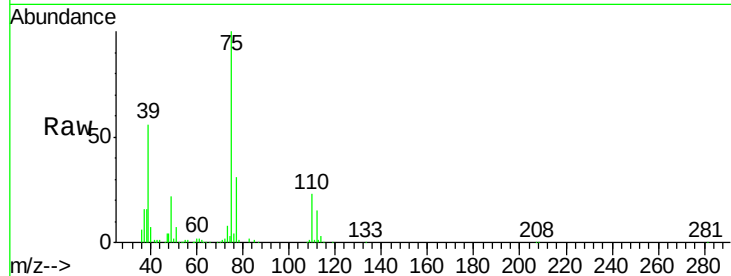
#53  
t-1,3-Dichloropropene  
Concen: 20.189 ug/l  
RT: 10.60 min Scan# 1427  
Delta R.T. 0.00 min  
Lab File: VW009042.D  
Acq: 07 Mar 2019 16:22

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0307SBS01

| Tot Ion   | 75    | Resp  | 80199 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 30.4  | 23.6  | 35.4  |

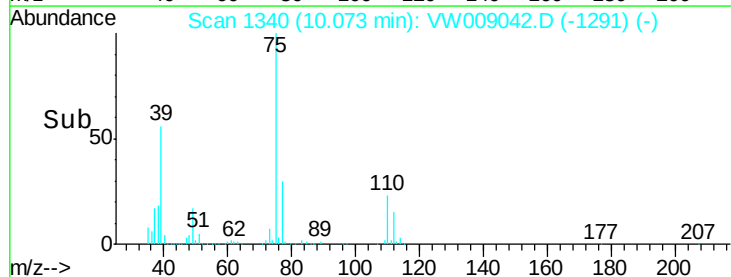
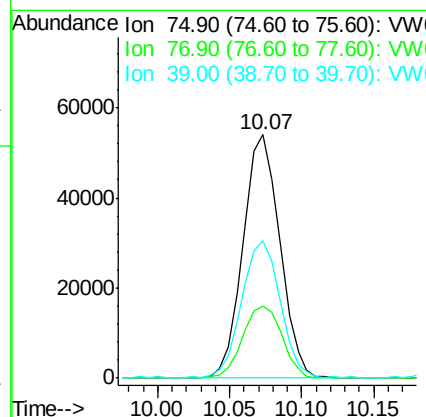
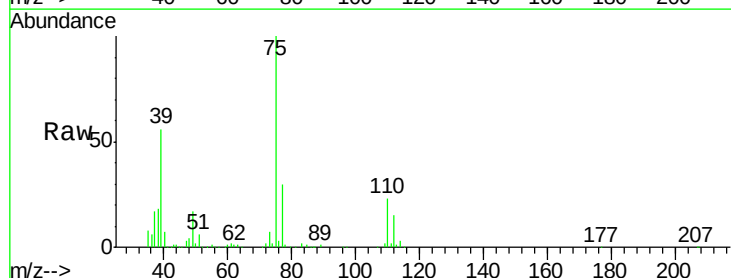
Manual Integrations  
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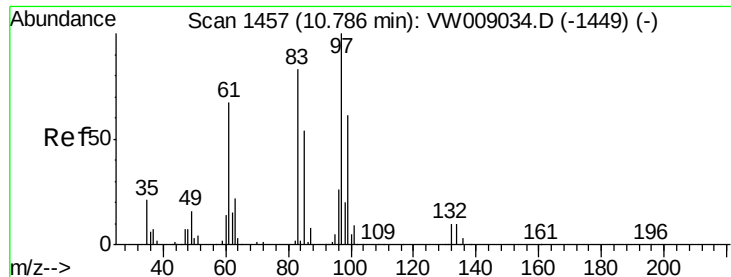


#54  
cis-1,3-Dichloropropene  
Concen: 20.976 ug/l  
RT: 10.07 min Scan# 1340  
Delta R.T. 0.00 min  
Lab File: VW009042.D  
Acq: 07 Mar 2019 16:22

| Tgt Ion   | 75    | Resp  | 95756 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 29.6  | 24.6  | 36.8  |
| 39        | 56.3  | 45.9  | 68.9  |







#55

1,1,2-Trichloroethane

Concen: 20.420 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Instrument :

MSVOA\_W

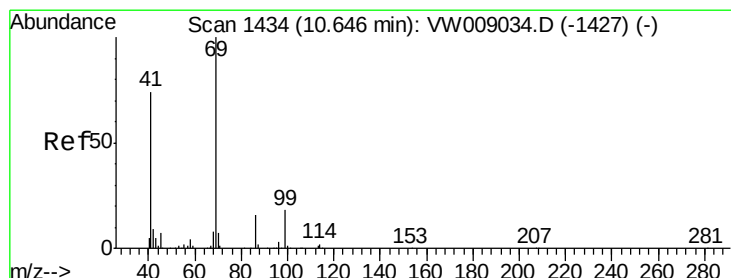
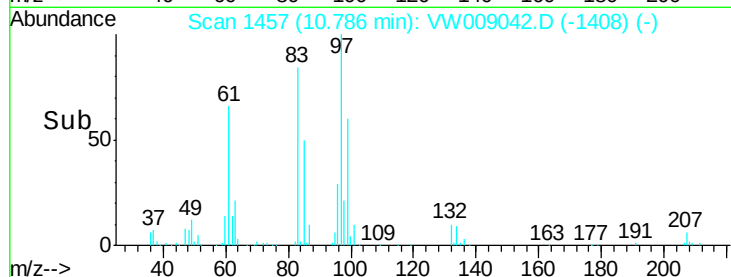
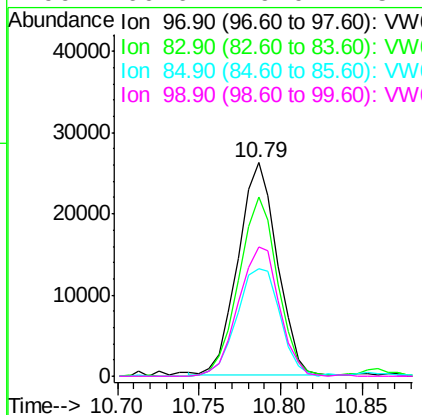
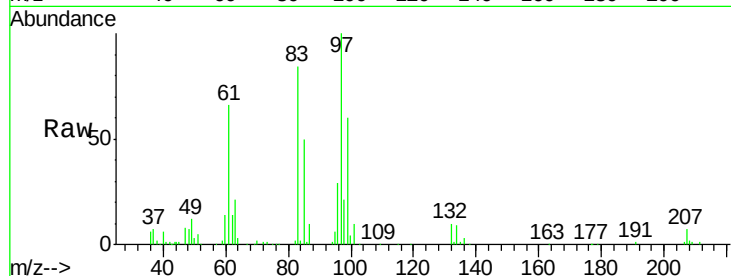
ClientSampleId :

VW0307SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 43914 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 84.4  | 66.2  | 99.2  |
| 85       | 50.6  | 43.6  | 65.4  |
| 99       | 60.6  | 49.0  | 73.4  |

Manual Integrations  
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#56

Ethyl methacrylate

Concen: 18.909 ug/l

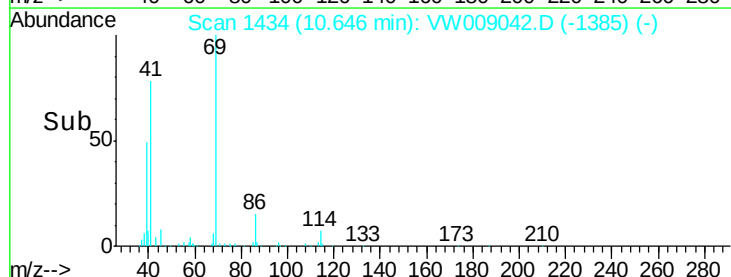
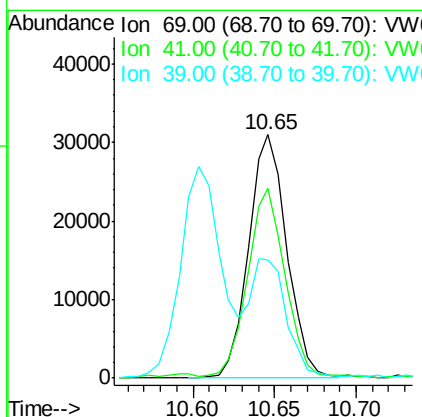
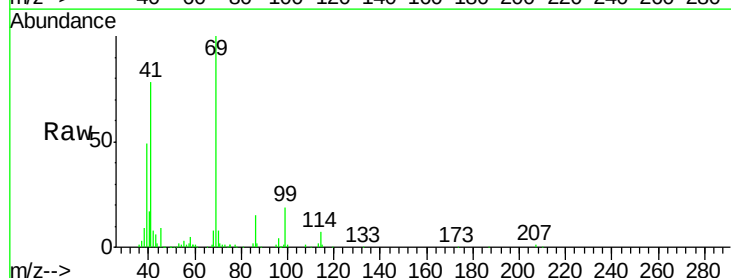
RT: 10.65 min Scan# 1434

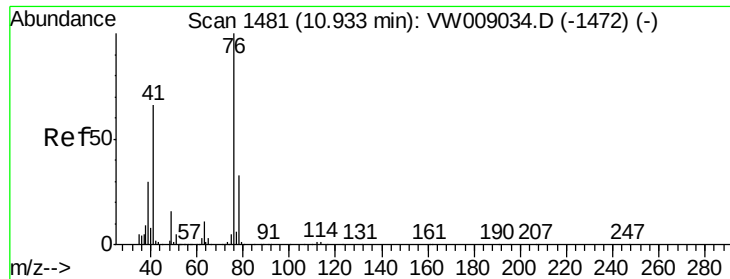
Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 50469 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 77.0  | 59.4  | 89.2  |
| 39       | 46.8  | 38.5  | 57.7  |





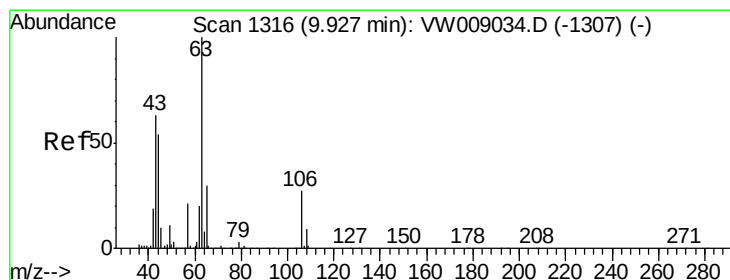
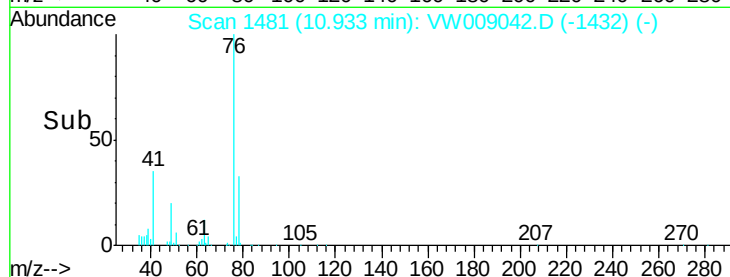
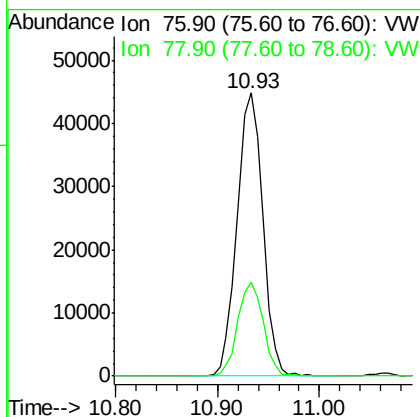
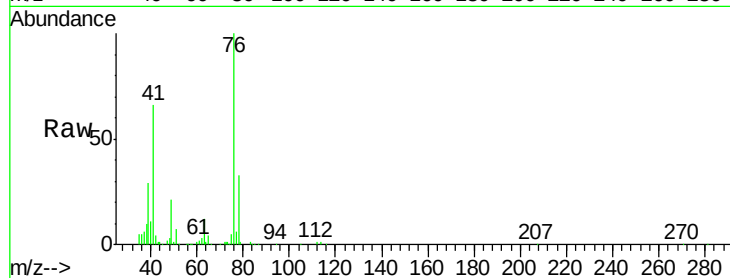
#57  
 1,3-Dichloropropane  
 Concen: 20.470 ug/l  
 RT: 10.93 min Scan# 1481  
 Delta R.T. 0.00 min  
 Lab File: VW009042.D  
 Acq: 07 Mar 2019 16:22

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0307SBS01

Tot Ion: 76 Resp: 77984  
 Ion Ratio Lower Upper  
 76 100  
 78 33.1 25.7 38.5

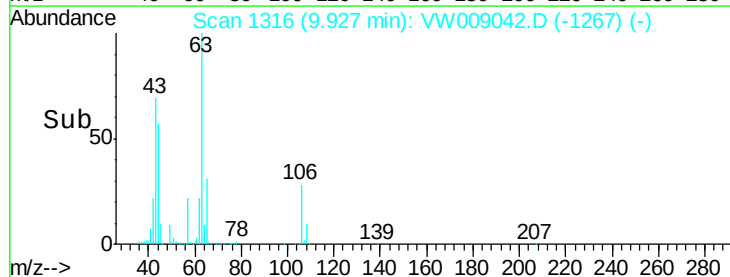
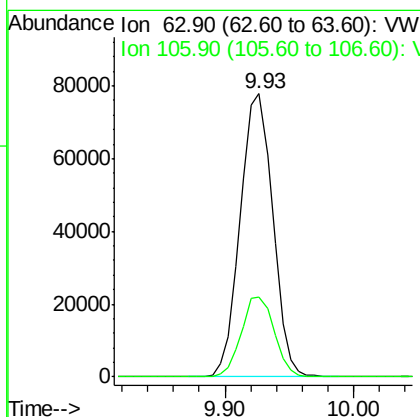
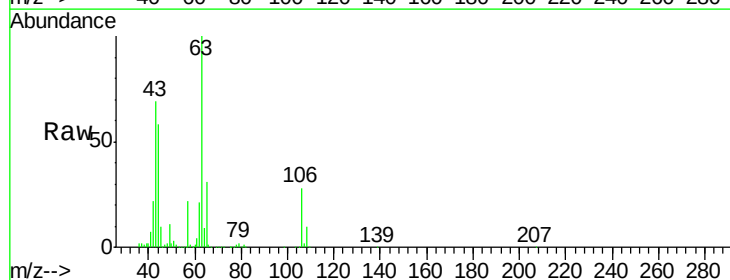
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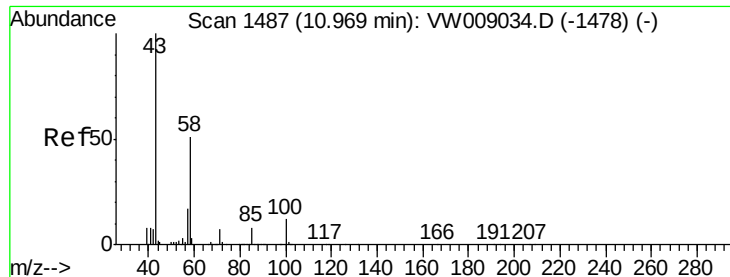
MMDadoda  
 3/8/2019 12:06:25 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 98.680 ug/l  
 RT: 9.93 min Scan# 1316  
 Delta R.T. 0.00 min  
 Lab File: VW009042.D  
 Acq: 07 Mar 2019 16:22

Tgt Ion: 63 Resp: 136539  
 Ion Ratio Lower Upper  
 63 100  
 106 28.8 23.0 34.6





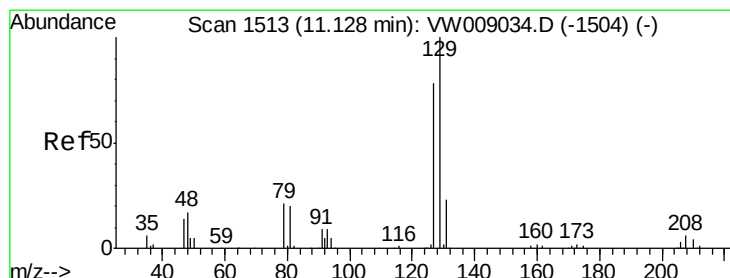
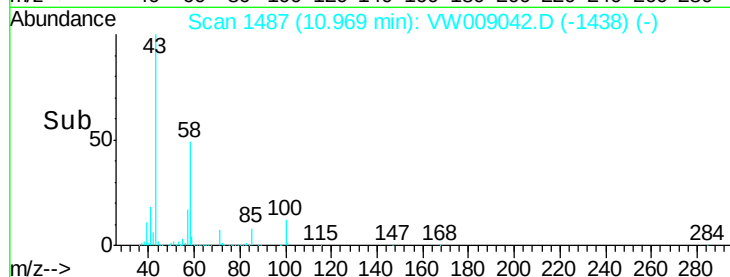
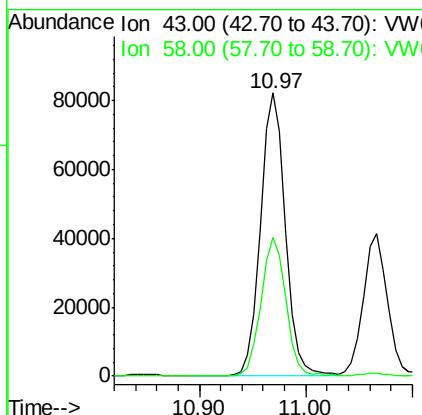
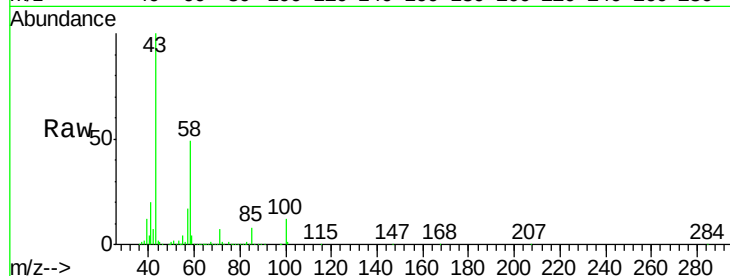
#59  
2-Hexanone  
Concen: 99.367 ug/l  
RT: 10.97 min Scan# 1487  
Delta R.T. 0.00 min  
Lab File: VW009042.D  
Acq: 07 Mar 2019 16:22

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0307SBSD01

| Tot Ion   | 43 | Resp | 134831 |
|-----------|----|------|--------|
| Ion Ratio | 43 | 100  |        |
| Lower     | 58 | 49.1 | 25.3   |
| Upper     |    |      | 75.9   |

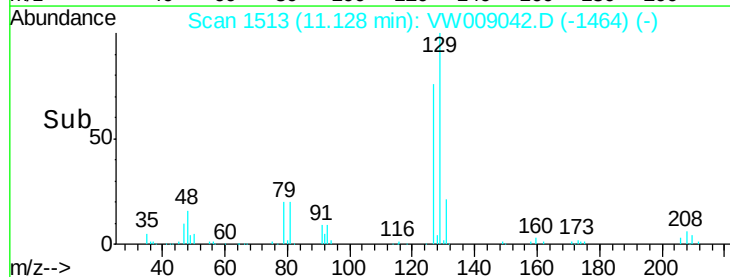
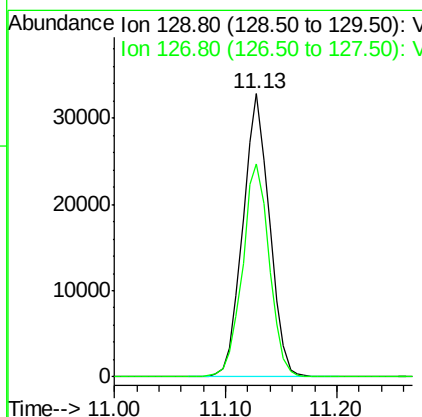
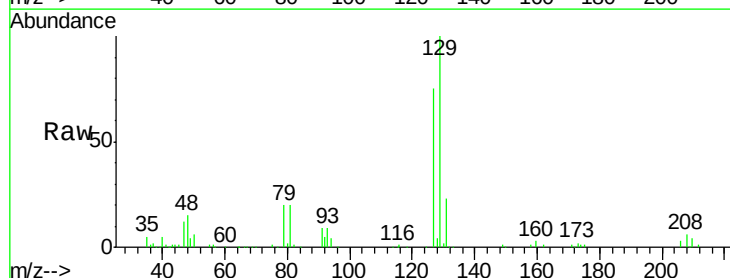
Manual Integrations  
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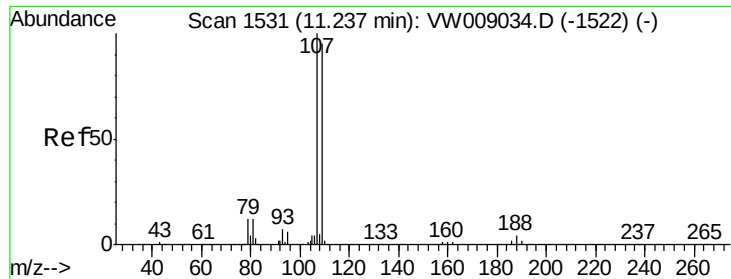
MMDadoda  
3/8/2019 12:06:25 PM



#60  
Dibromochloromethane  
Concen: 20.458 ug/l  
RT: 11.13 min Scan# 1513  
Delta R.T. 0.00 min  
Lab File: VW009042.D  
Acq: 07 Mar 2019 16:22

| Tgt Ion   | 129 | Resp | 54449 |
|-----------|-----|------|-------|
| Ion Ratio | 129 | 100  |       |
| Lower     | 127 | 75.7 | 38.4  |
| Upper     |     |      | 115.1 |





#61

1,2-Dibromoethane

Concen: 20.008 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Instrument :

MSVOA\_W

ClientSampleId :

VW0307SBS01

Tot Ion: 107 Resp: 42183

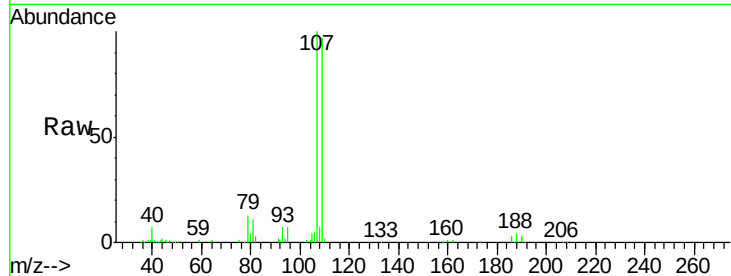
Ion Ratio Lower Upper

107 100

109 92.2 74.7 112.1

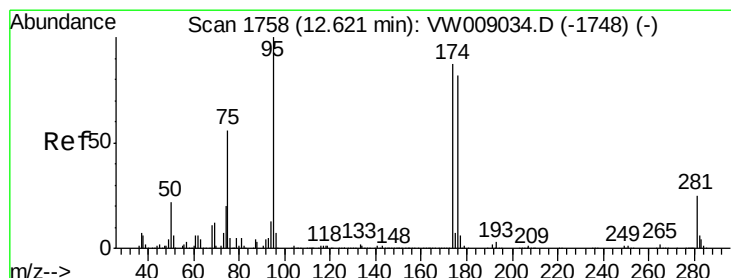
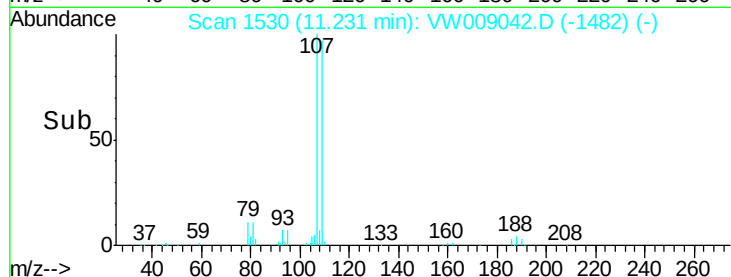
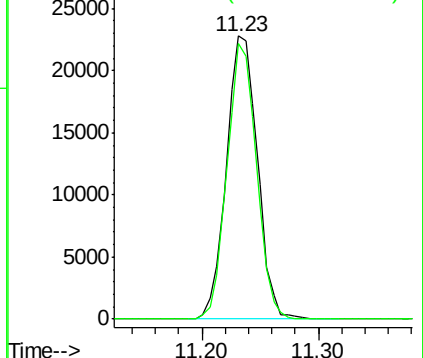
Manual Integrations  
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.061 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

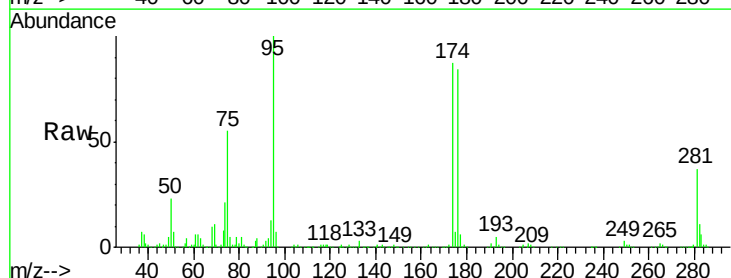
Tgt Ion: 95 Resp: 206576

Ion Ratio Lower Upper

95 100

174 83.6 0.0 167.0

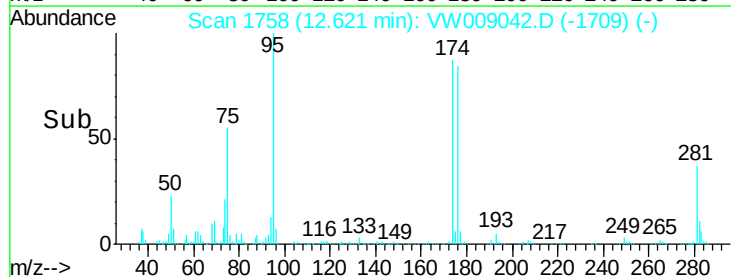
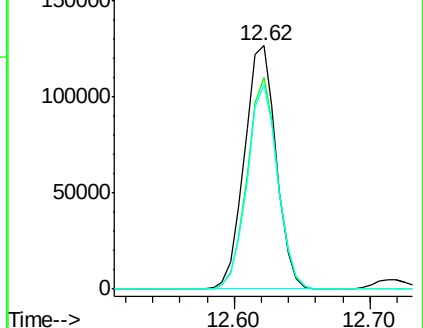
176 81.3 0.0 159.4

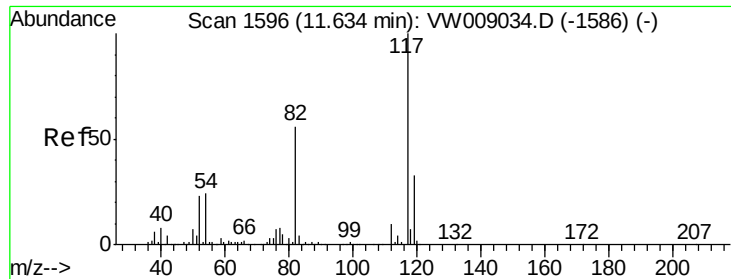


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Instrument :

MSVOA\_W

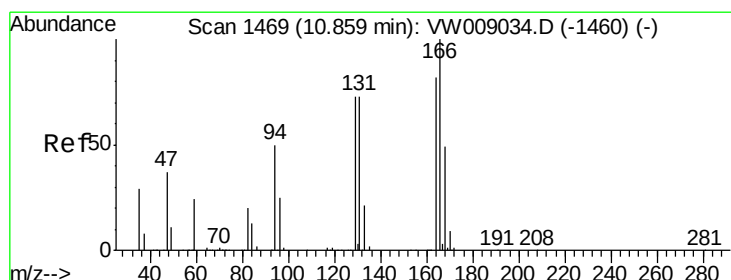
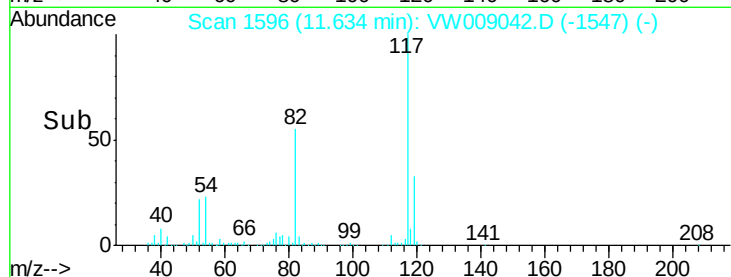
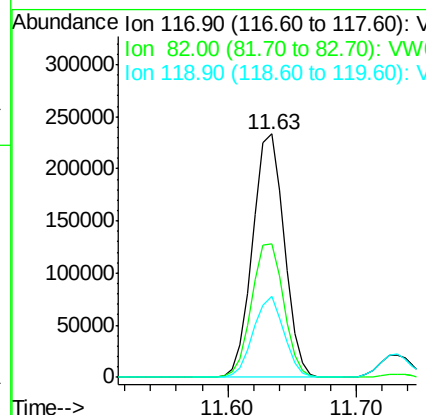
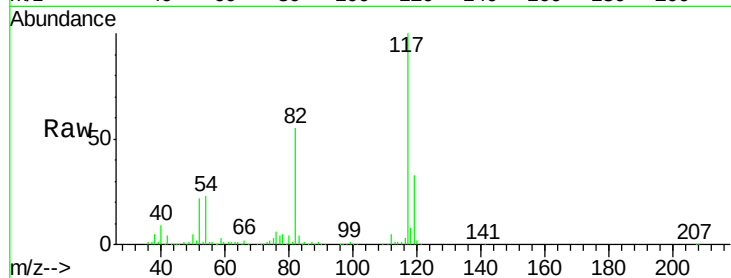
ClientSampleId :

VW0307SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 117   | Resp: | 394820 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 54.7  | 45.0  | 67.6   |
| 119       | 33.1  | 26.6  | 39.8   |

Manual Integrations  
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#64

Tetrachloroethene

Concen: 20.233 ug/l

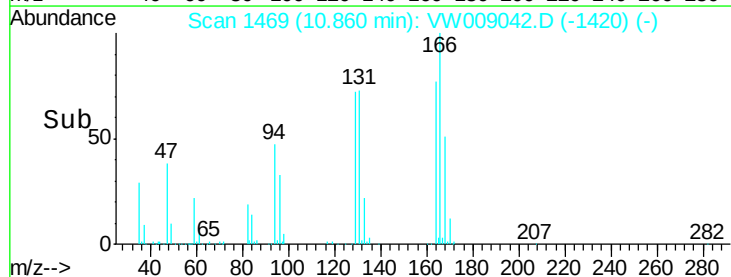
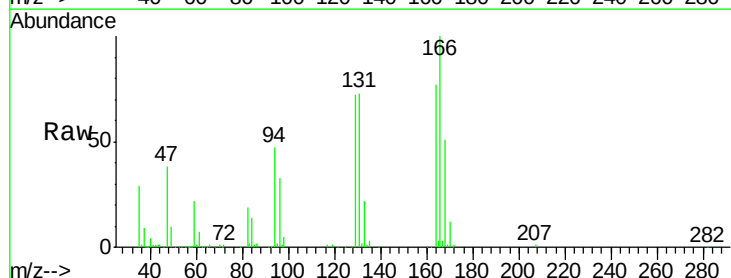
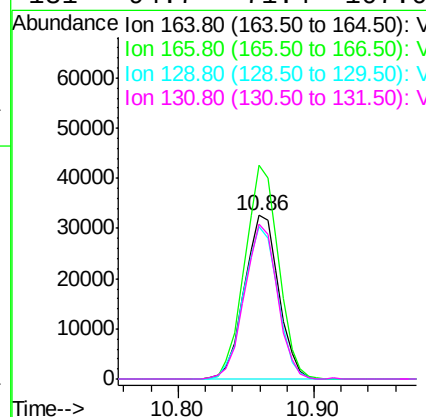
RT: 10.86 min Scan# 1469

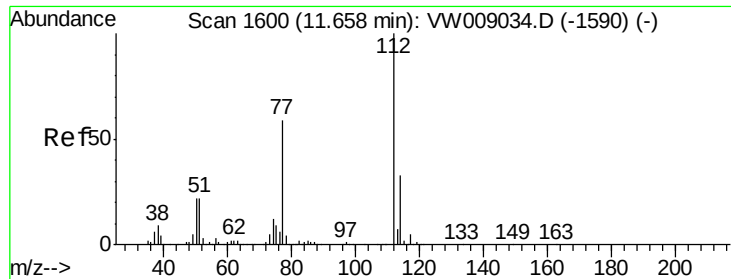
Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 164   | Resp: | 57609 |
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 166       | 130.5 | 97.8  | 146.6 |
| 129       | 93.3  | 71.6  | 107.4 |
| 131       | 94.7  | 71.4  | 107.0 |





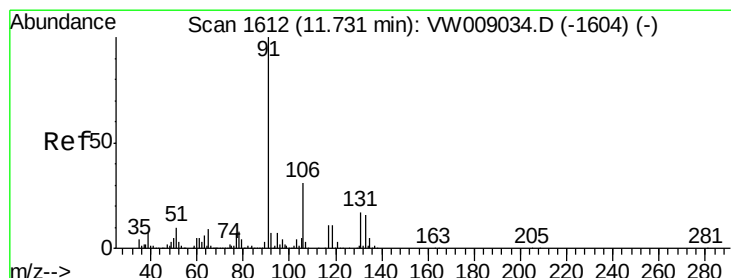
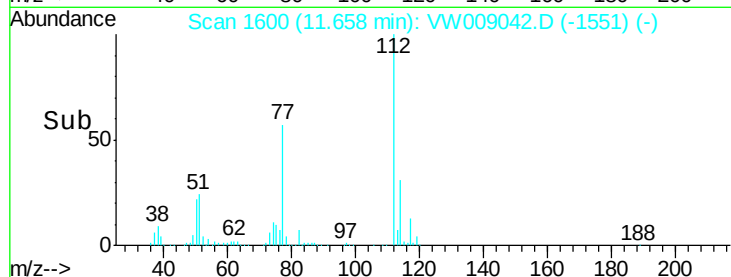
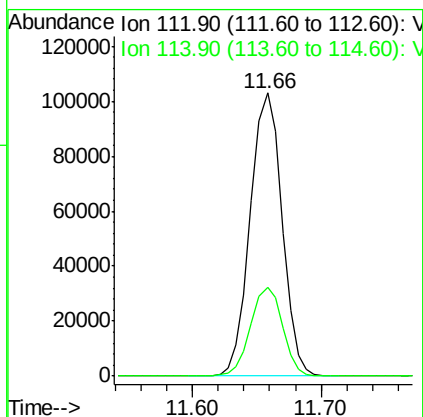
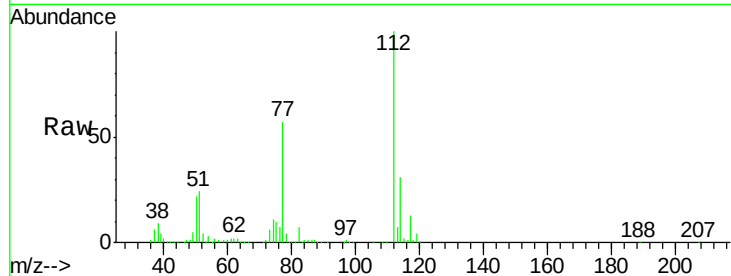
#65  
Chlorobenzene  
Concen: 20.465 ug/l  
RT: 11.66 min Scan# 1600  
Delta R.T. 0.00 min  
Lab File: VW009042.D  
Acq: 07 Mar 2019 16:22

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0307SBSD01

Tot Ion:112 Resp: 175871  
Ion Ratio Lower Upper  
112 100  
114 31.4 26.6 40.0

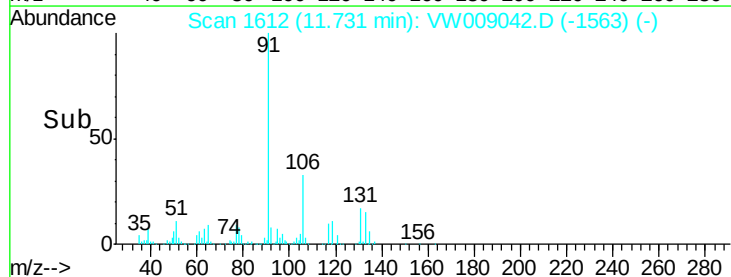
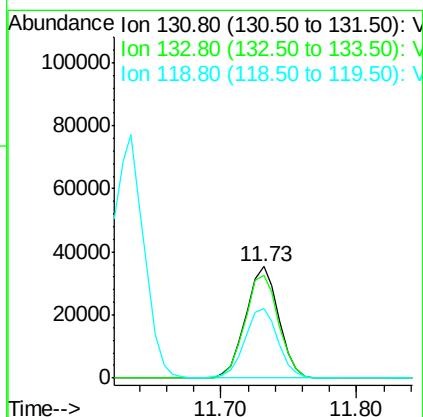
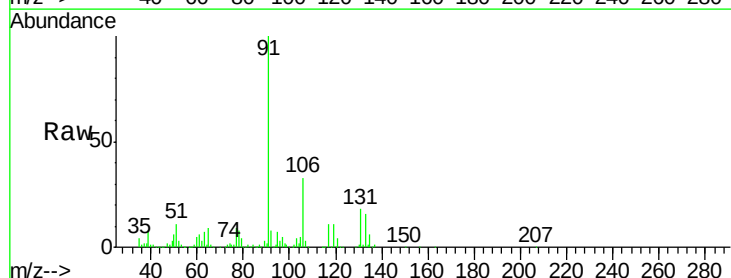
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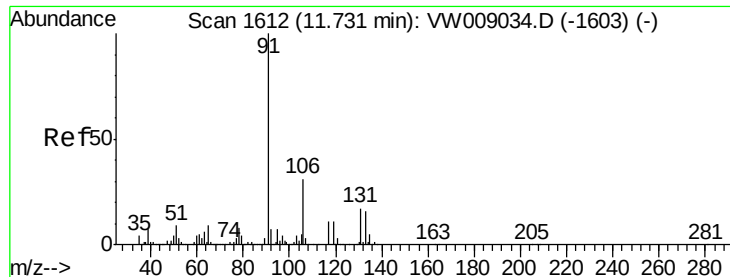
MMDadoda  
3/8/2019 12:06:25 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.807 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. 0.00 min  
Lab File: VW009042.D  
Acq: 07 Mar 2019 16:22

Tgt Ion:131 Resp: 59705  
Ion Ratio Lower Upper  
131 100  
133 95.4 47.6 142.8  
119 63.4 31.3 93.8





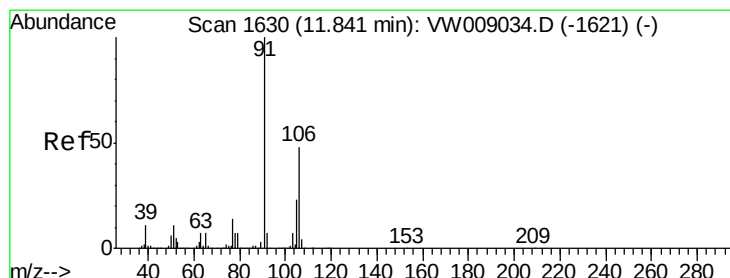
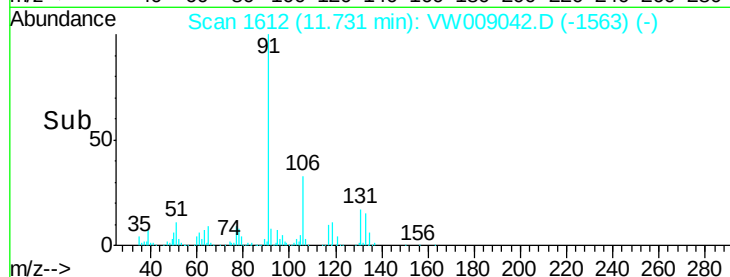
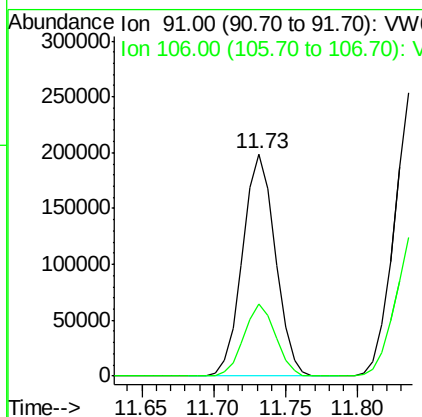
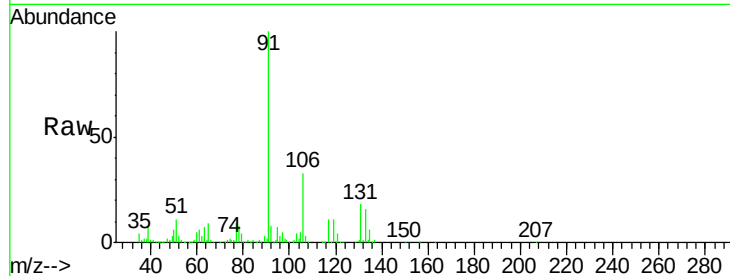
#67  
Ethyl Benzene  
Concen: 20.154 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. 0.00 min  
Lab File: VW009042.D  
Acq: 07 Mar 2019 16:22

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0307SBS01

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 91      | 100  |       |       |       |
| 106     | 32.8 | 25.0  | 37.4  |       |

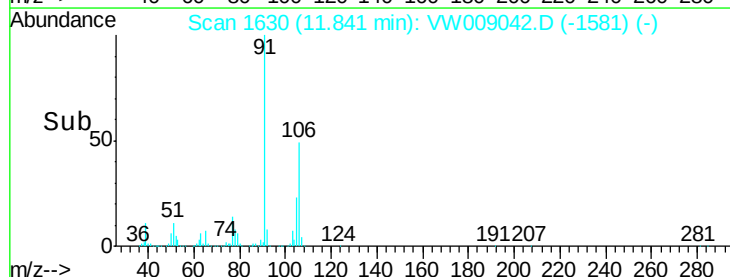
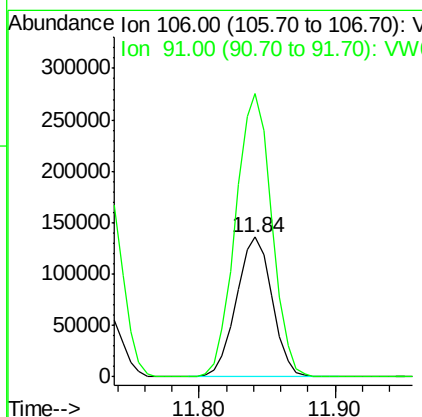
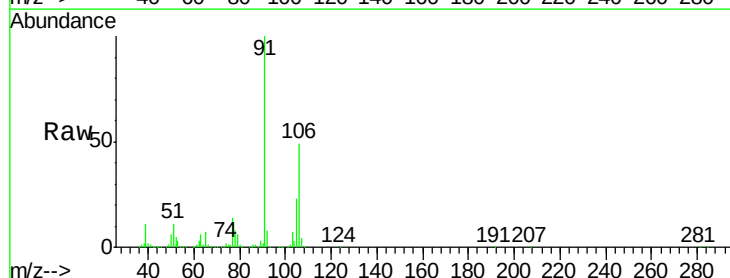
Manual Integrations  
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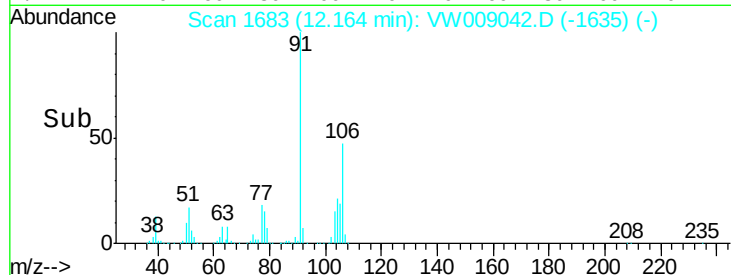
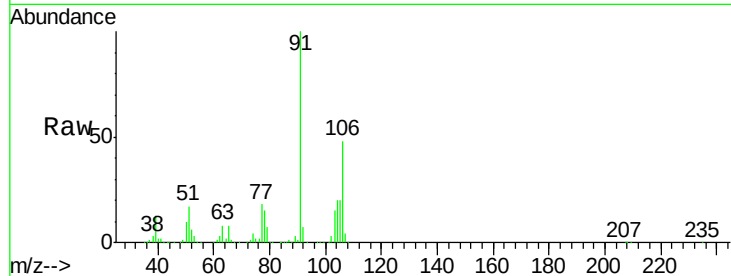
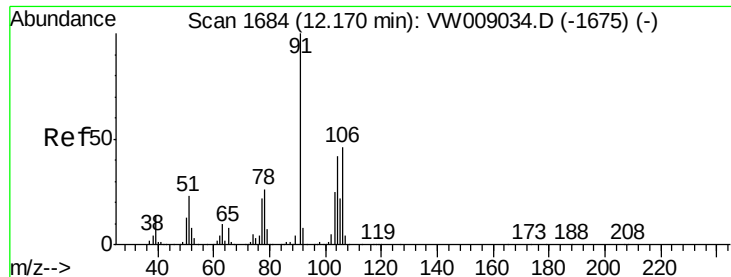
MMDadoda  
3/8/2019 12:06:25 PM



#68  
m/p-Xylenes  
Concen: 40.755 ug/l  
RT: 11.84 min Scan# 1630  
Delta R.T. 0.00 min  
Lab File: VW009042.D  
Acq: 07 Mar 2019 16:22

| Tgt Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 106     | 100   |       |       |       |
| 91      | 204.3 | 163.2 | 244.8 |       |





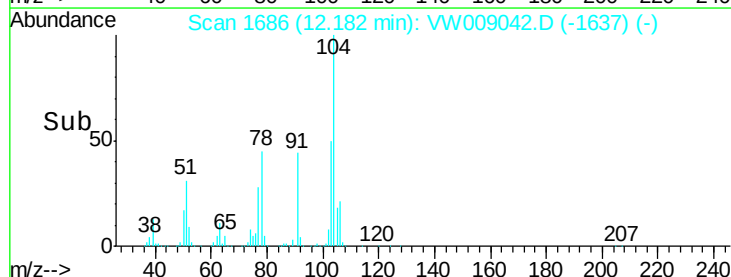
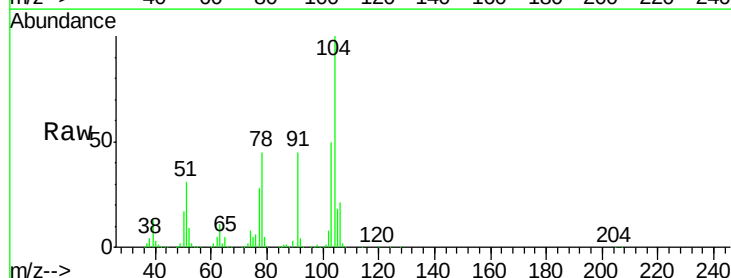
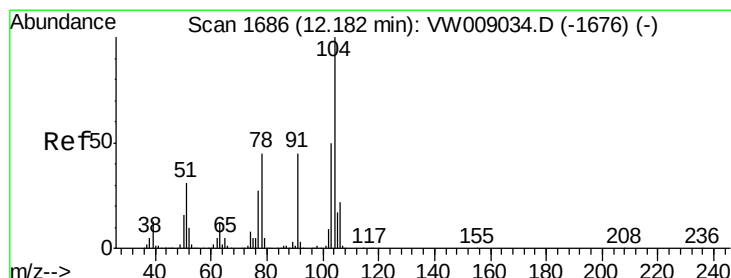
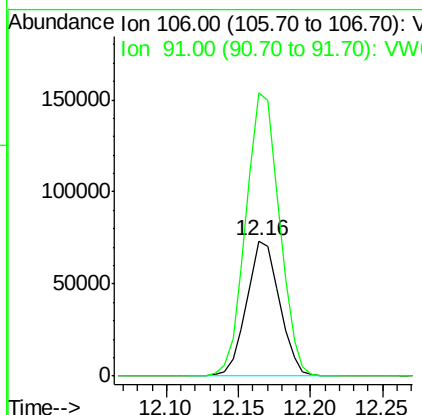
#69  
o-Xylene  
Concen: 20.304 ug/l  
RT: 12.16 min Scan# 1683  
Delta R.T. -0.01 min  
Lab File: VW009042.D  
Acq: 07 Mar 2019 16:22

Tot Ion:106 Resp: 115770  
Ion Ratio Lower Upper  
106 100  
91 214.2 108.6 325.6

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0307SBS01

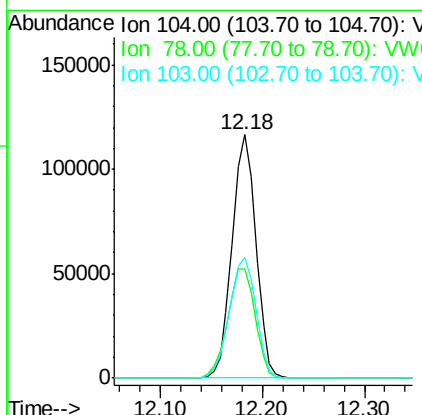
Manual Integrations  
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3/8/2019 12:06:25 PM

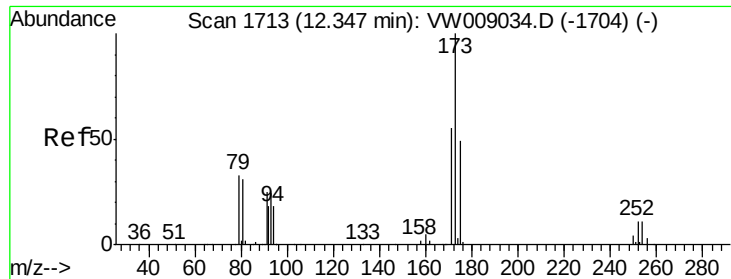


#70  
Styrene  
Concen: 20.380 ug/l  
RT: 12.18 min Scan# 1686  
Delta R.T. 0.00 min  
Lab File: VW009042.D  
Acq: 07 Mar 2019 16:22

Tgt Ion:104 Resp: 188012  
Ion Ratio Lower Upper  
104 100  
78 51.9 42.1 63.1  
103 55.2 43.9 65.9







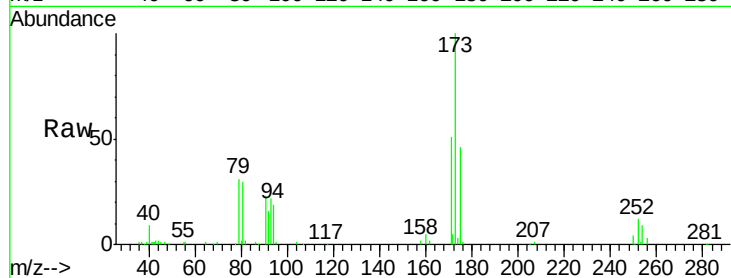
#71  
Bromoform  
Concen: 19.957 ug/l  
RT: 12.35 min Scan# 1713  
Delta R.T. 0.00 min  
Lab File: VW009042.D  
Acq: 07 Mar 2019 16:22

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0307SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.9  | 24.6  | 74.0  |
| 254     | 0.1   | 0.0   | 0.0   |

Manual Integrations  
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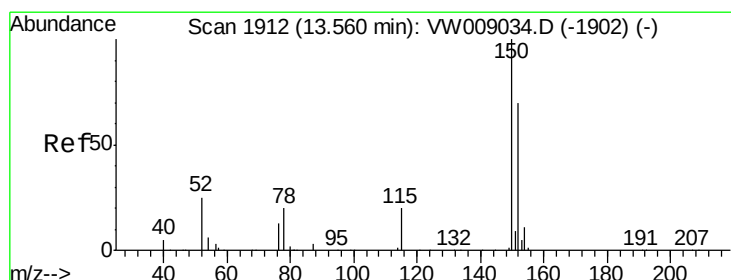
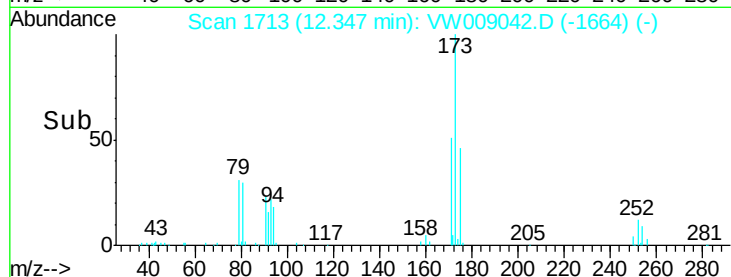
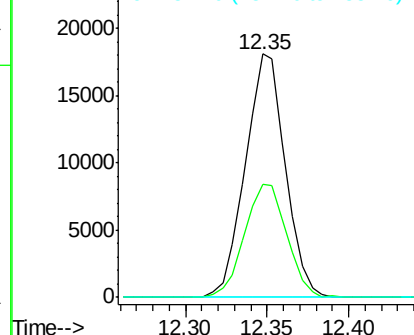


Abundance

Ion 172.70 (172.40 to 173.40): V

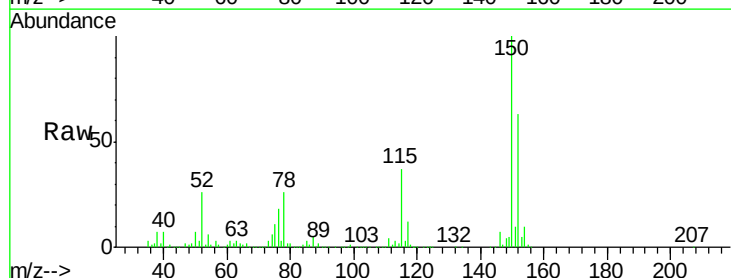
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. 0.00 min  
Lab File: VW009042.D  
Acq: 07 Mar 2019 16:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 56.9  | 28.9  | 86.7  |
| 150     | 163.4 | 0.0   | 349.2 |

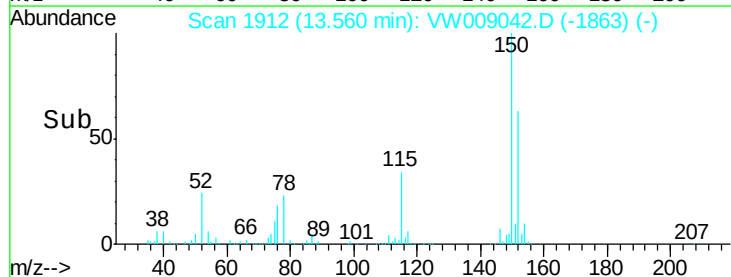
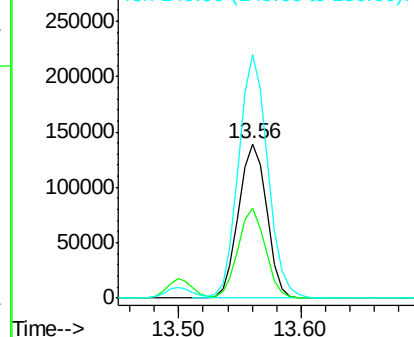


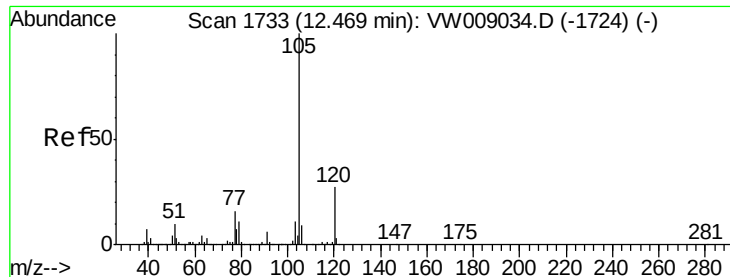
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.230 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Instrument :

MSVOA\_W

ClientSampled :

VW0307SBS01

Tot Ion: 105 Resp: 319396

Ion Ratio Lower Upper

105 100

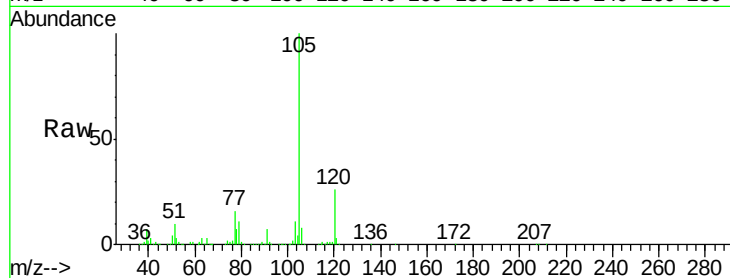
120 26.5 13.2 39.6

Manual Integrations

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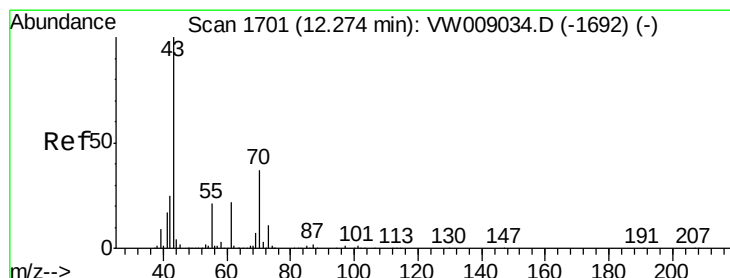
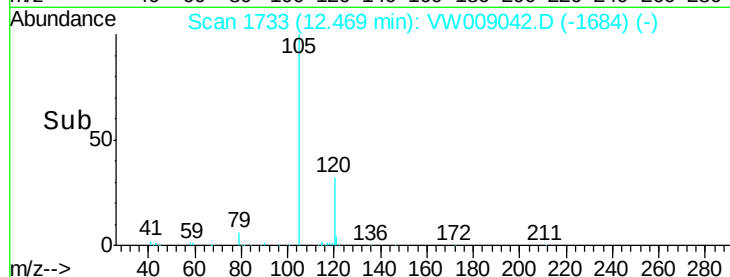
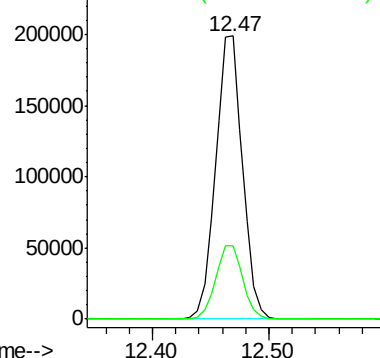
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.699 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Tgt Ion: 43 Resp: 73625

Ion Ratio Lower Upper

43 100

70 37.9 30.8 46.2

55 23.1 17.8 26.8

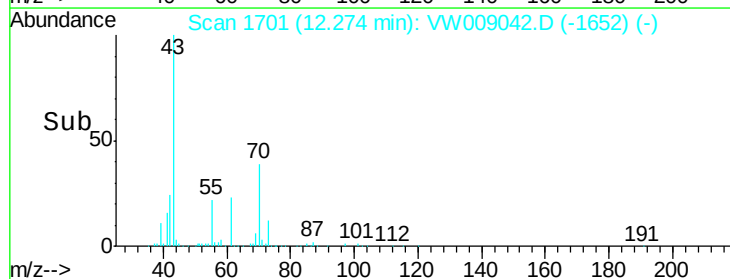
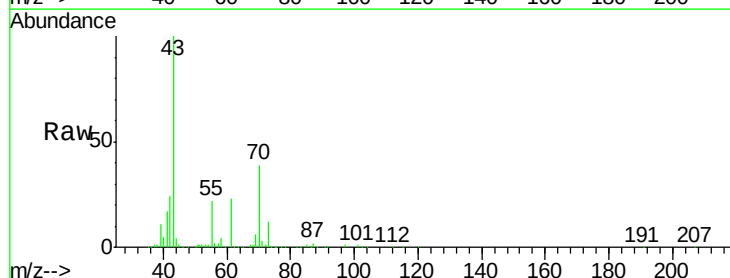
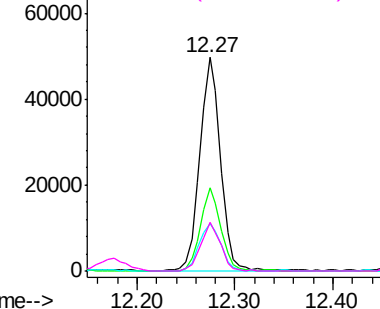
61 21.7 17.4 26.2

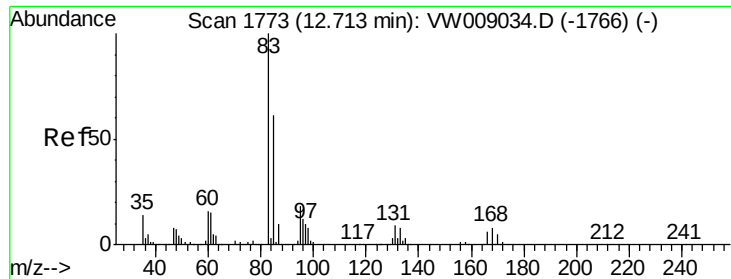
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 19.967 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Instrument :

MSVOA\_W

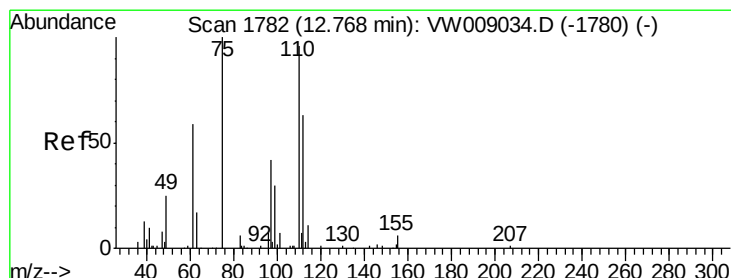
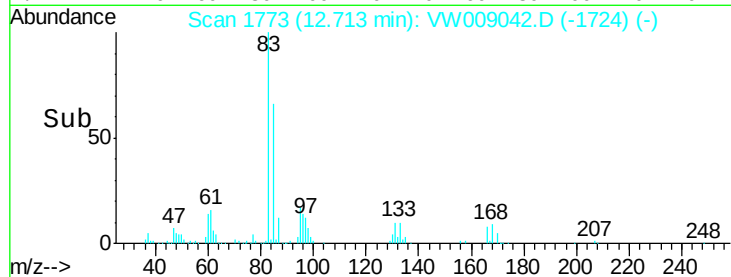
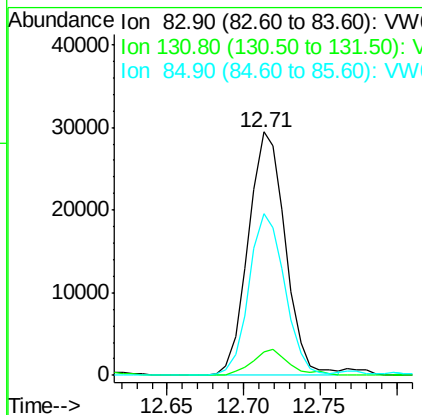
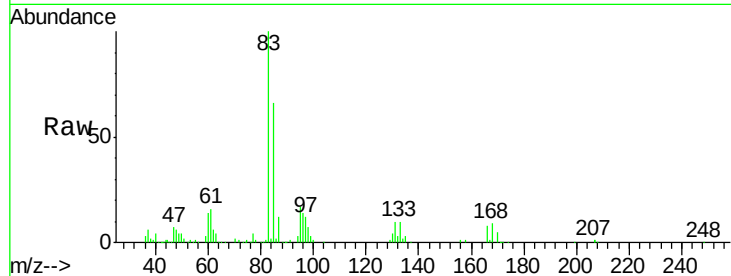
ClientSampleId :

VW0307SBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 49725 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 10.8  | 5.5   | 16.7  |
| 85        | 64.0  | 31.7  | 95.1  |

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 20.751 ug/l m

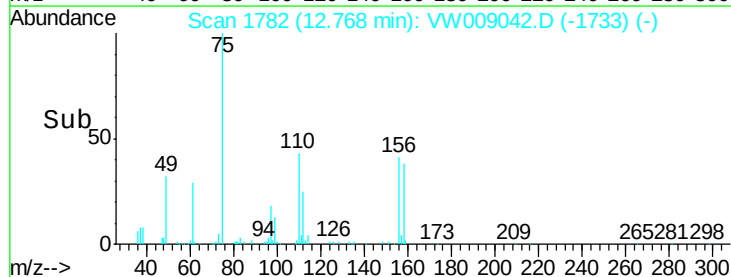
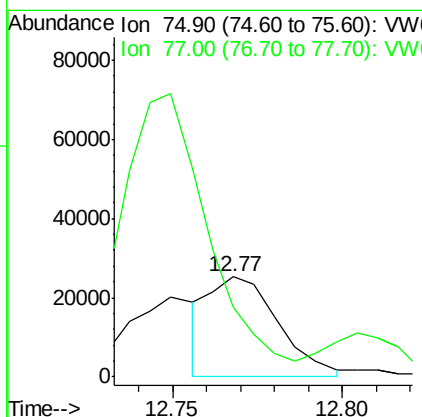
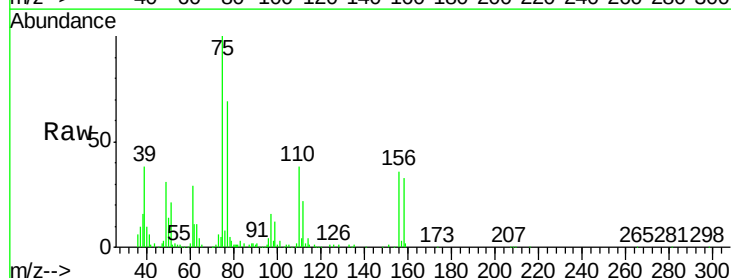
RT: 12.77 min Scan# 1782

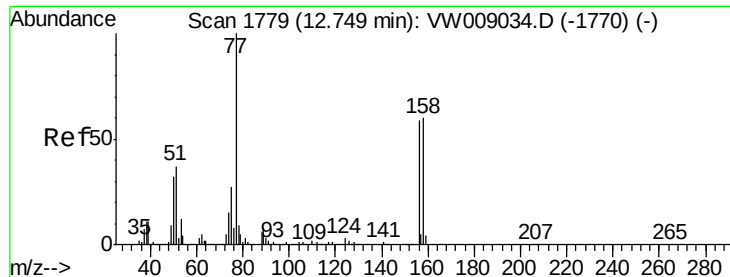
Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 36145 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 362.4 | 186.7 | 560.0 |





#77

Bromobenzene

Concen: 20.634 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Instrument :

MSVOA\_W

ClientSampled :

VW0307SBS01

Tot Ion:156 Resp: 74434

Ion Ratio Lower Upper

156 100

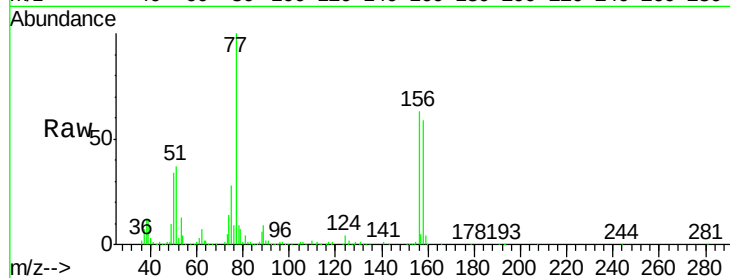
77 176.0 93.0 279.2

158 97.1 50.0 149.8

Manual Integrations  
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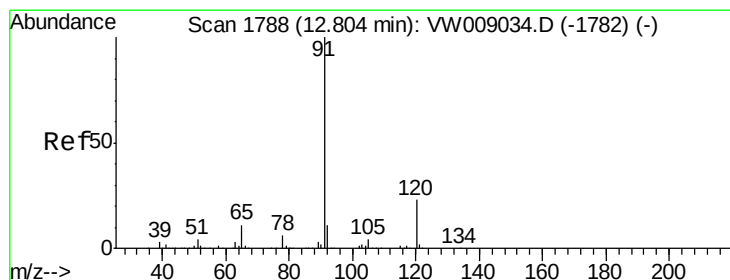
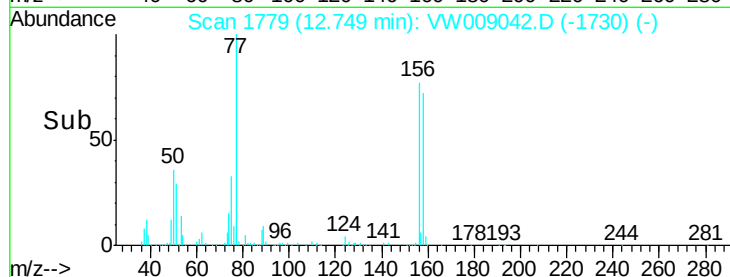
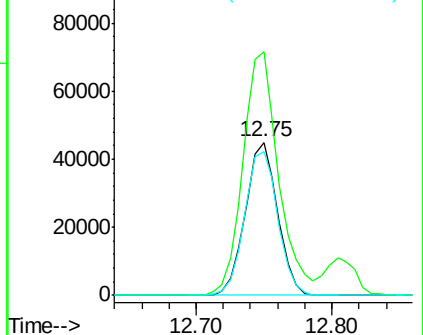
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.448 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW009042.D

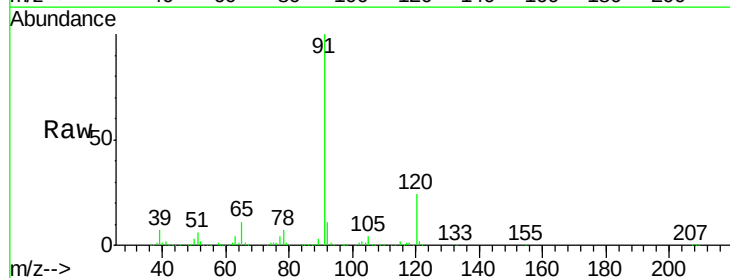
Acq: 07 Mar 2019 16:22

Tgt Ion: 91 Resp: 397651

Ion Ratio Lower Upper

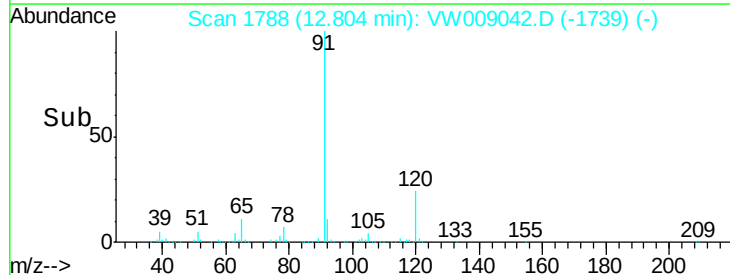
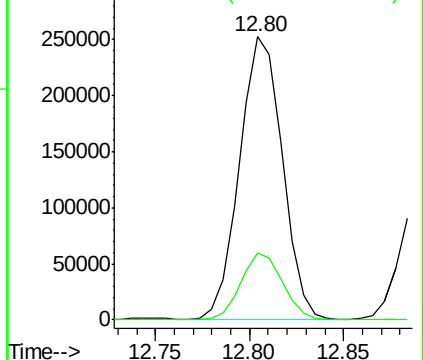
91 100

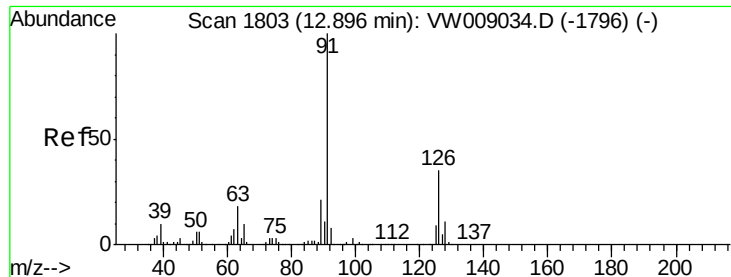
120 23.1 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.364 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Instrument :

MSVOA\_W

ClientSampleId :

VW0307SBS01

Tot Ion: 91 Resp: 222499

Ion Ratio Lower Upper

91 100

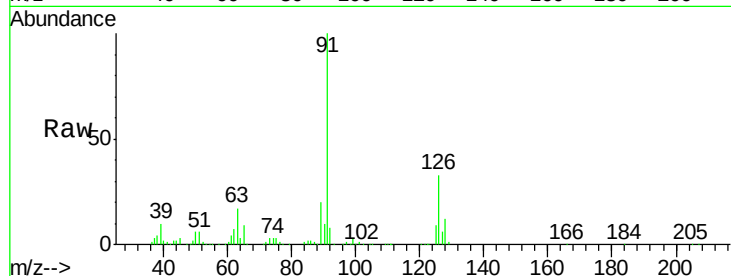
126 33.9 16.8 50.4

Manual Integrations

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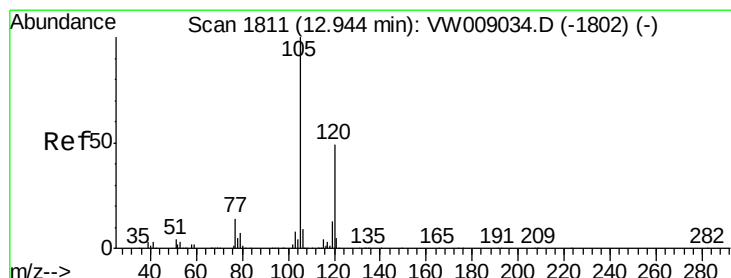
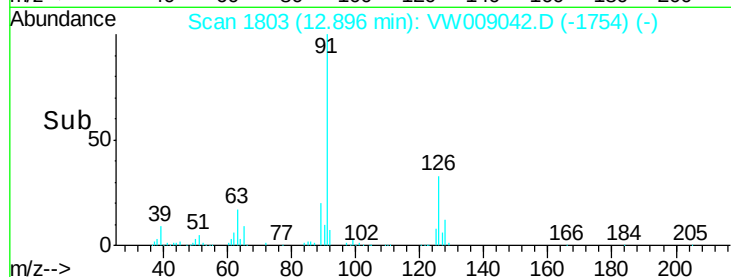
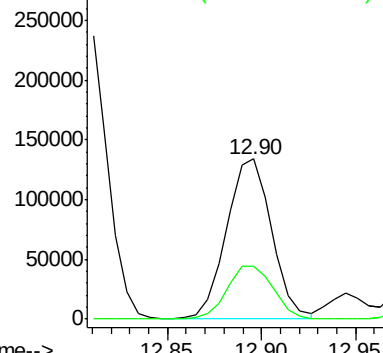
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.151 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009042.D

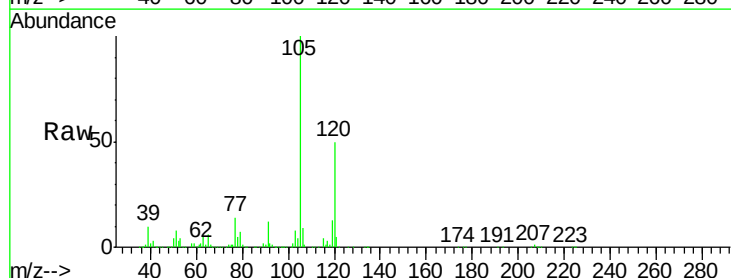
Acq: 07 Mar 2019 16:22

Tgt Ion: 105 Resp: 274237

Ion Ratio Lower Upper

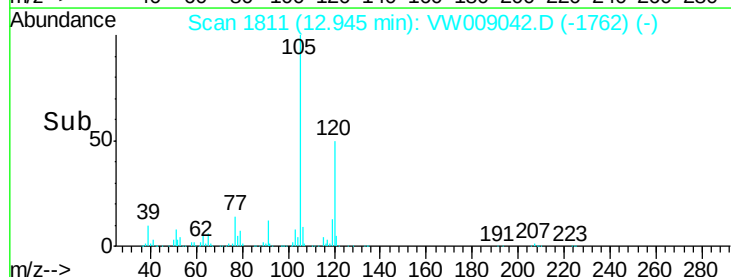
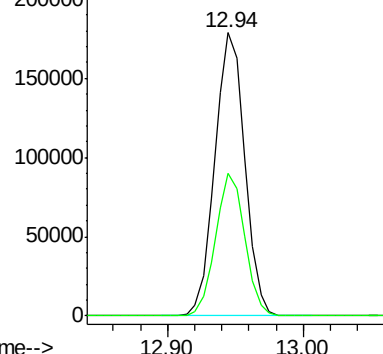
105 100

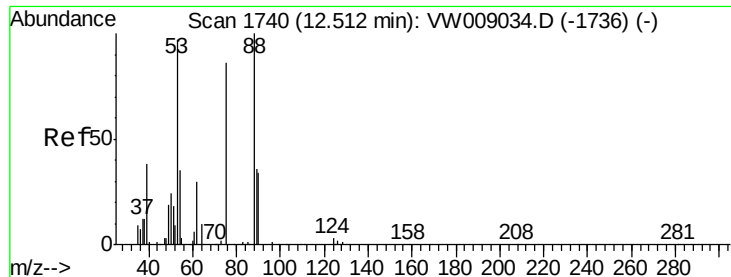
120 49.4 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.020 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.01 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Instrument :

MSVOA\_W

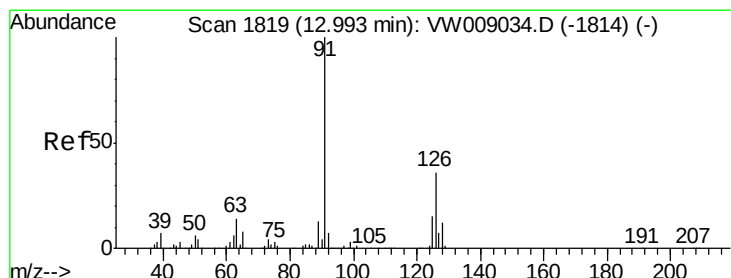
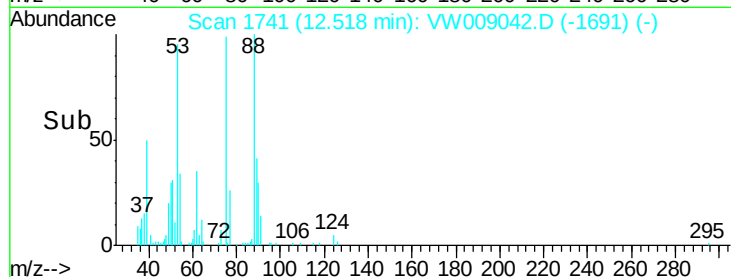
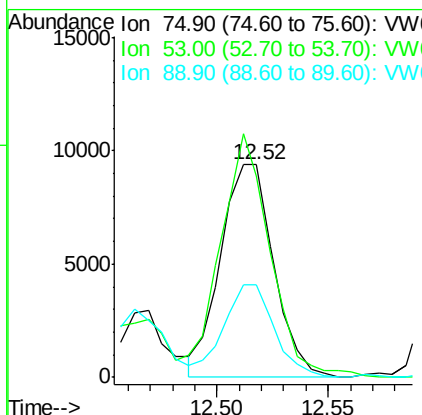
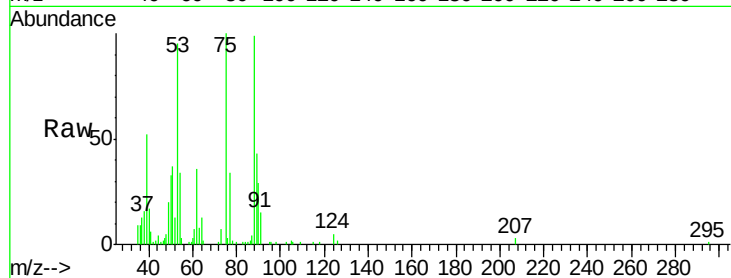
ClientSampleId :

VW0307SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 15591 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 108.1 | 90.5  | 135.7 |
| 89       | 41.7  | 37.5  | 56.3  |

Manual Integrations  
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#82

4-Chlorotoluene

Concen: 20.072 ug/l

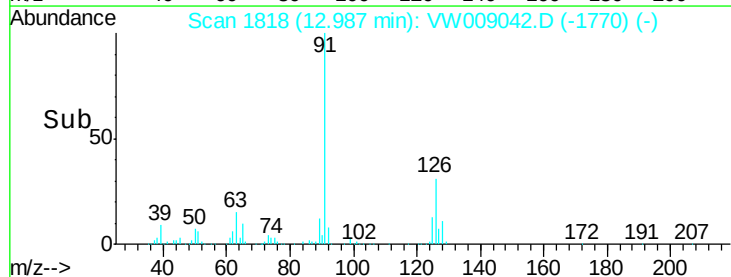
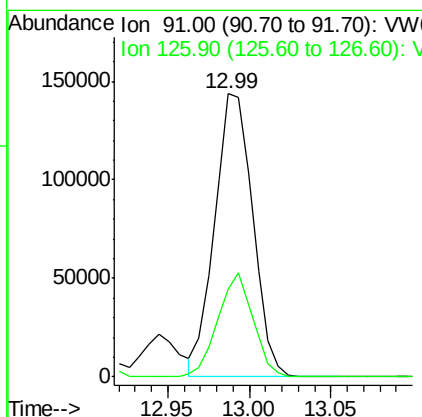
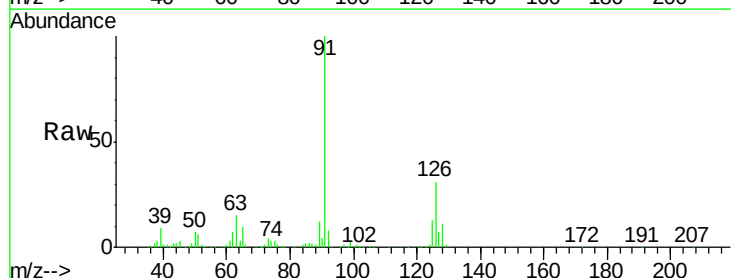
RT: 12.99 min Scan# 1818

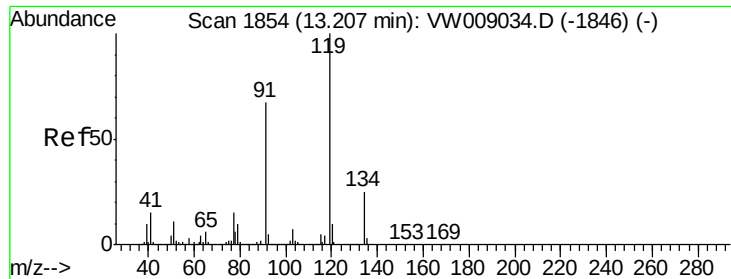
Delta R.T. -0.01 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 233774 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 34.2  | 16.6  | 49.8   |





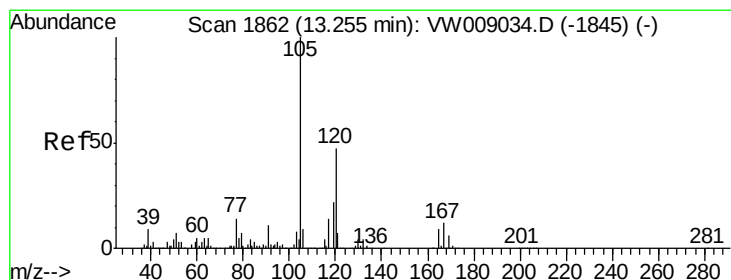
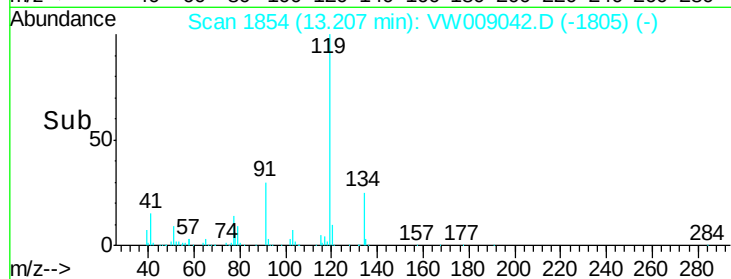
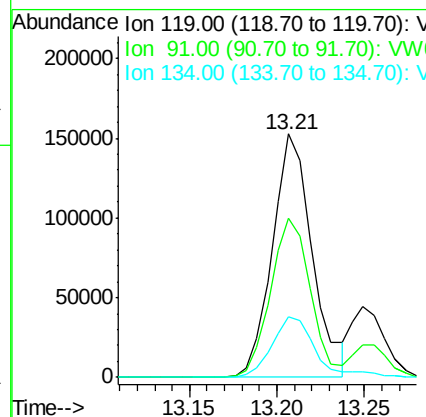
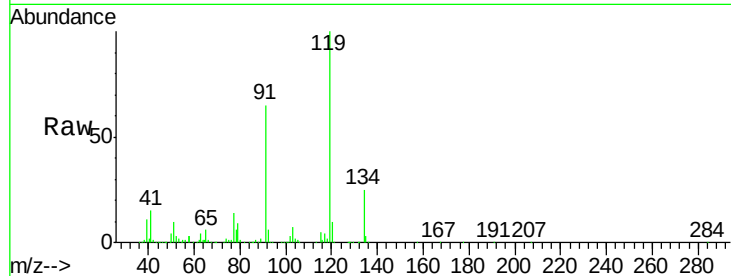
#83  
 tert-Butylbenzene  
 Concen: 21.191 ug/l  
 RT: 13.21 min Scan# 1854  
 Delta R.T. 0.00 min  
 Lab File: VW009042.D  
 Acq: 07 Mar 2019 16:22

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0307SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 65.4  | 34.2  | 102.5 |
| 134     | 27.1  | 13.9  | 41.6  |

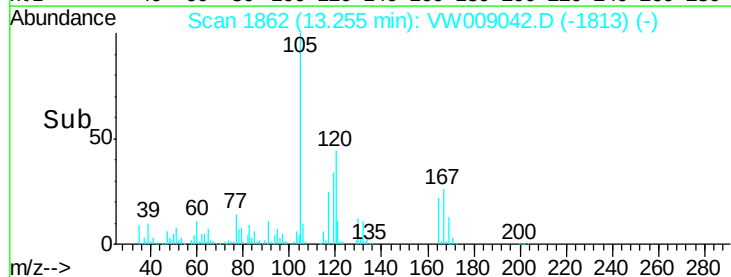
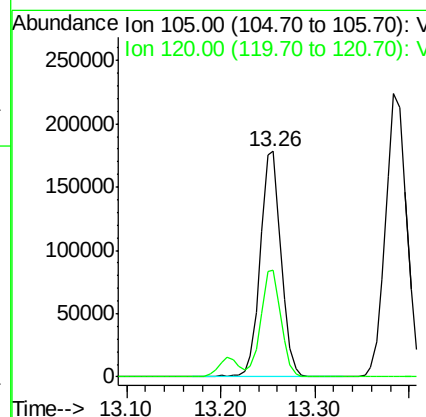
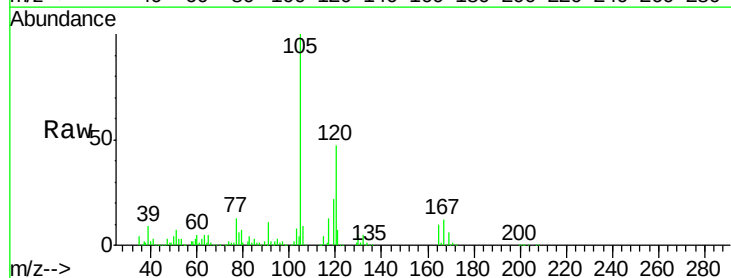
Manual Integrations  
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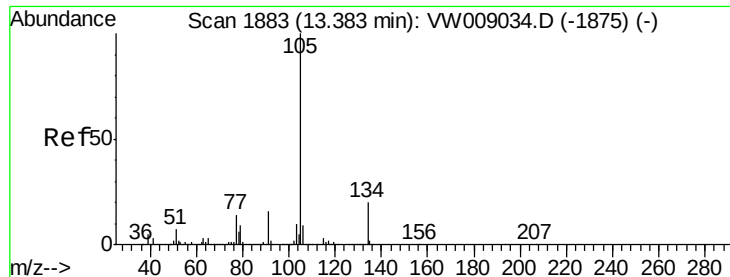
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 3/8/2019 12:06:25 PM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 20.318 ug/l  
 RT: 13.26 min Scan# 1862  
 Delta R.T. 0.00 min  
 Lab File: VW009042.D  
 Acq: 07 Mar 2019 16:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 45.8  | 22.8  | 68.4  |





#85

sec-Butylbenzene

Concen: 20.517 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Instrument :

MSVOA\_W

ClientSampleId :

VW0307SBS01

Tot Ion:105 Resp: 348891

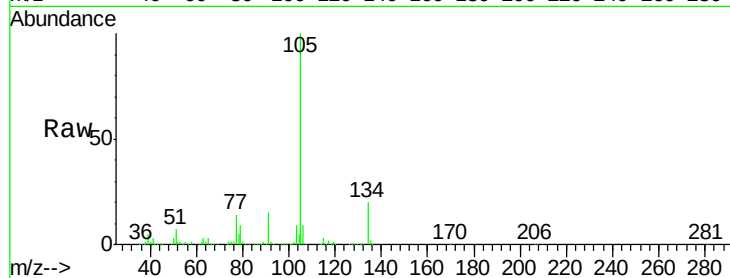
Ion Ratio Lower Upper

105 100

134 20.5 10.0 30.0

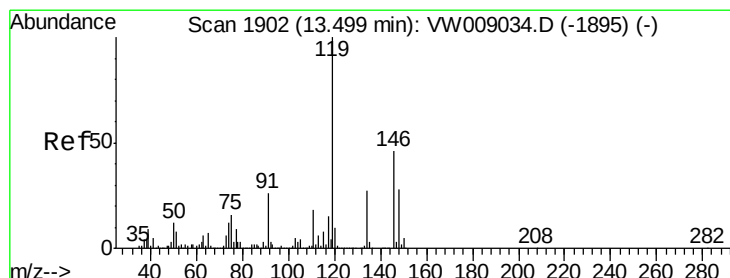
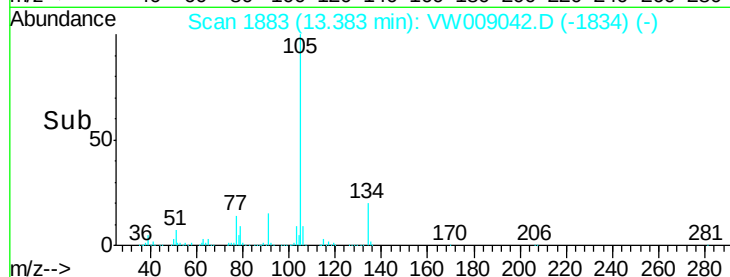
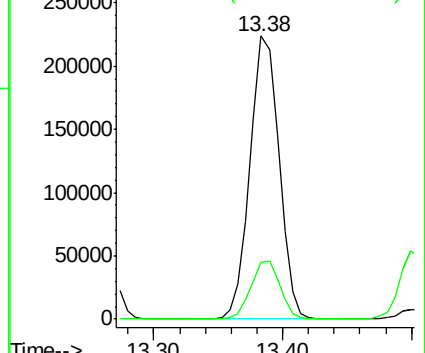
Manual Integrations  
APPROVED

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.096 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

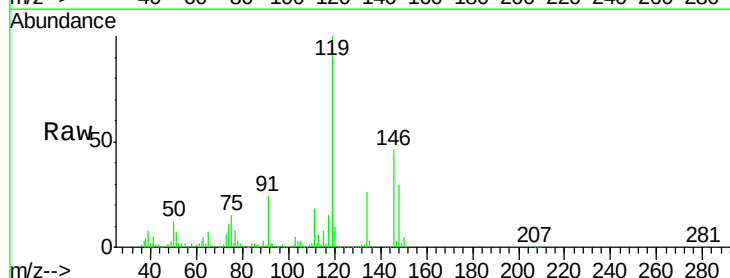
Tgt Ion:119 Resp: 305705

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.9

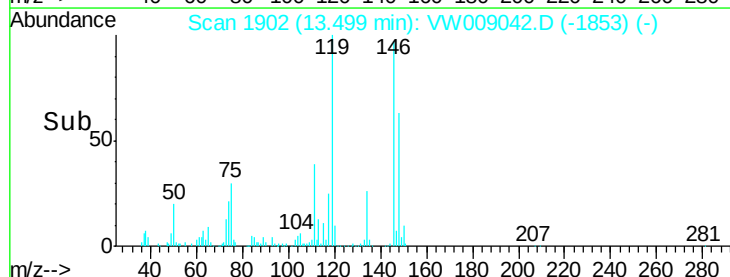
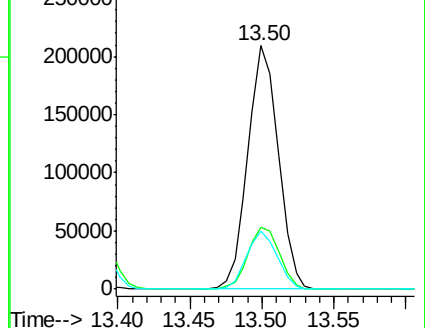
91 24.1 12.3 36.9



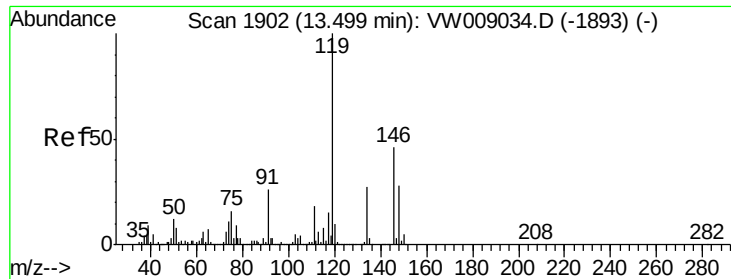
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V







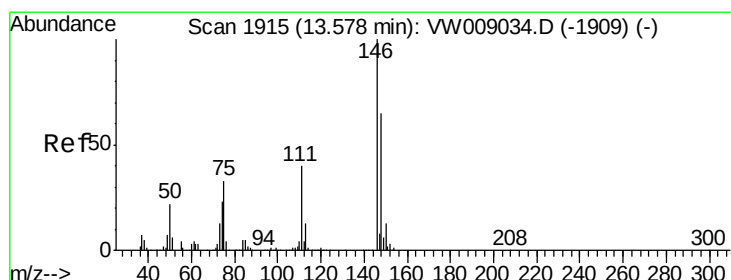
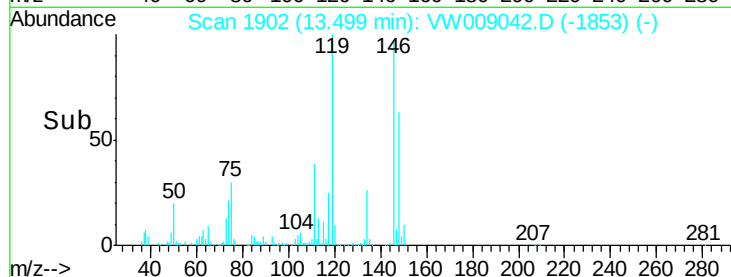
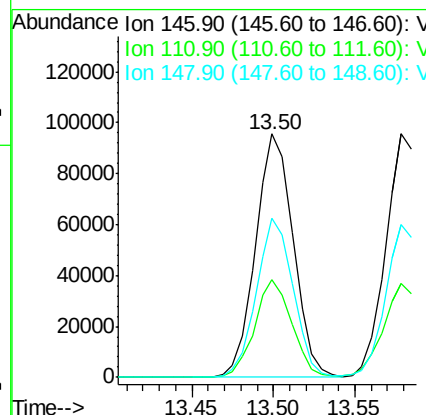
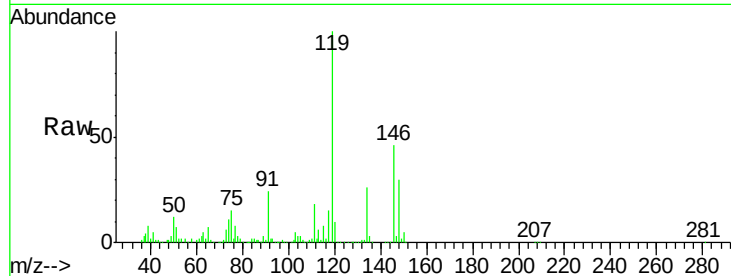
#87  
 1,3-Dichlorobenzene  
 Concen: 20.278 ug/l  
 RT: 13.50 min Scan# 1902  
 Delta R.T. 0.00 min  
 Lab File: VW009042.D  
 Acq: 07 Mar 2019 16:22

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0307SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.6  | 19.8  | 59.4  |
| 148     | 63.8  | 31.6  | 94.8  |

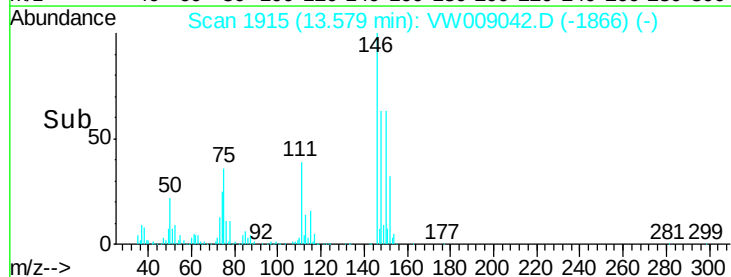
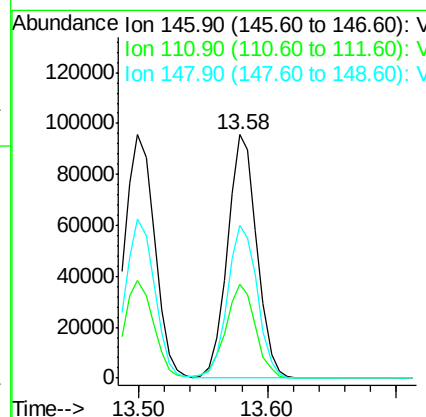
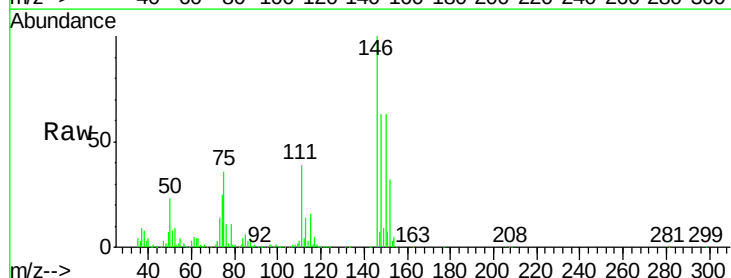
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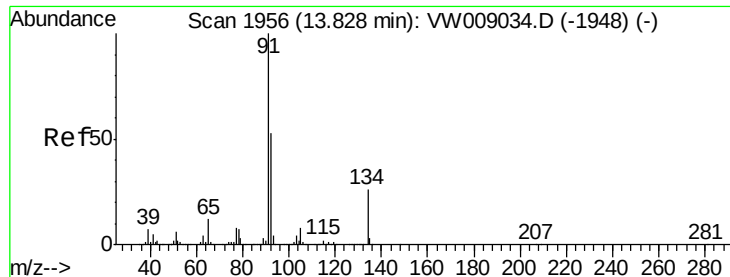
MMDadoda  
 3/8/2019 12:06:25 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 20.377 ug/l  
 RT: 13.58 min Scan# 1915  
 Delta R.T. 0.00 min  
 Lab File: VW009042.D  
 Acq: 07 Mar 2019 16:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.2  | 19.7  | 59.0  |
| 148     | 63.8  | 32.2  | 96.6  |





#89

n-Butylbenzene

Concen: 20.291 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Instrument :

MSVOA\_W

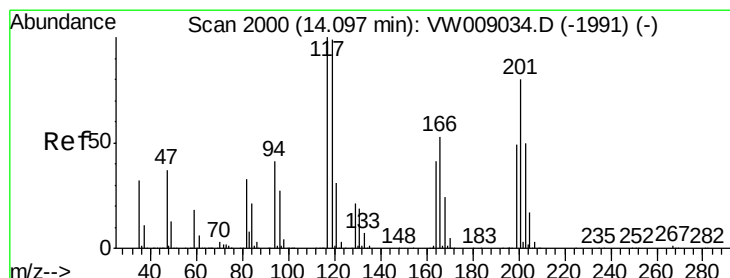
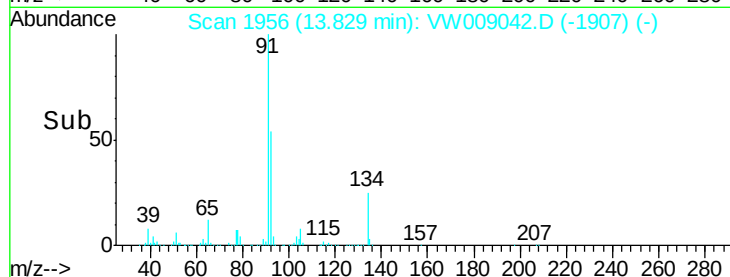
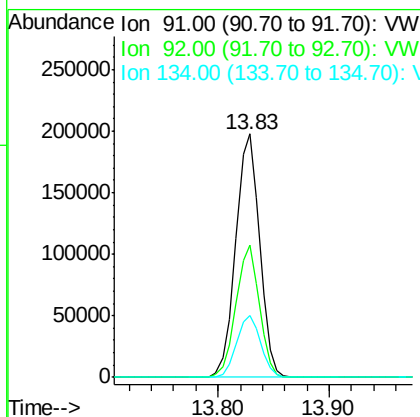
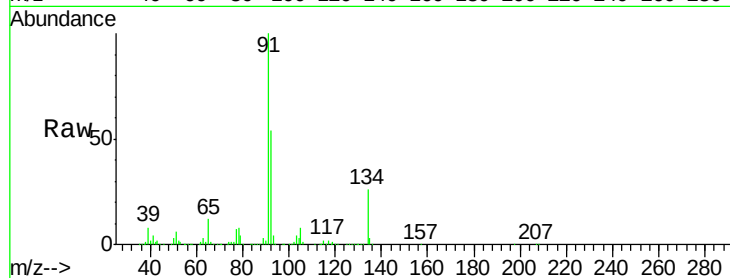
ClientSampled :

VW0307SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 91    | Resp: | 293451 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 92        | 53.1  | 26.8  | 80.3   |
| 134       | 25.5  | 12.9  | 38.7   |

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#90

Hexachloroethane

Concen: 20.254 ug/l

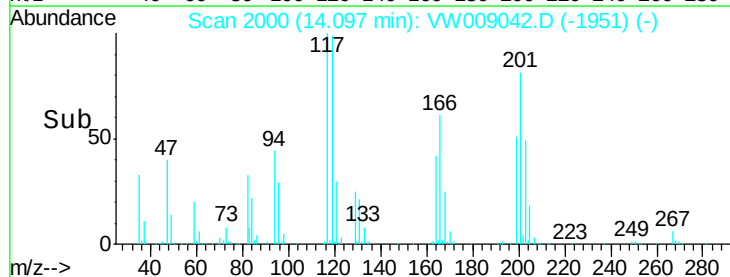
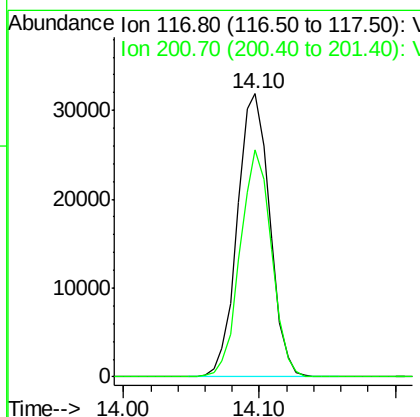
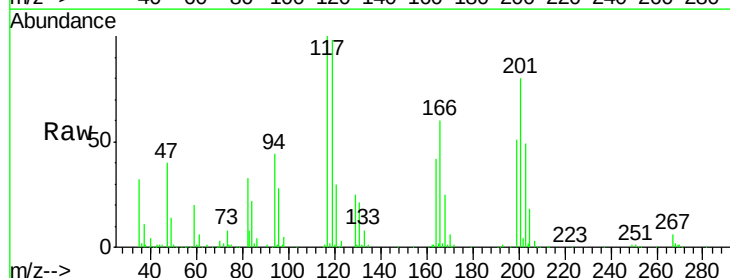
RT: 14.10 min Scan# 2000

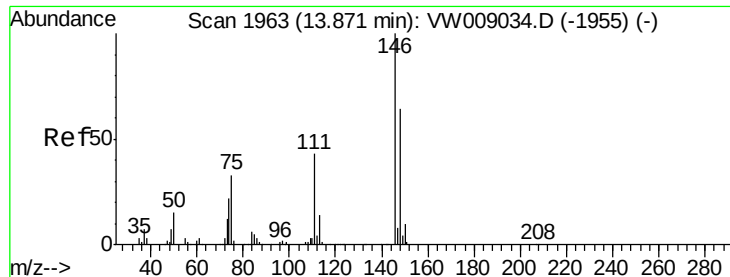
Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 117   | Resp: | 53140 |
| Ion Ratio | Lower | Upper |       |
| 117       | 100   |       |       |
| 201       | 77.4  | 39.1  | 117.5 |





#91

1,2-Dichlorobenzene

Concen: 20.441 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Instrument :

MSVOA\_W

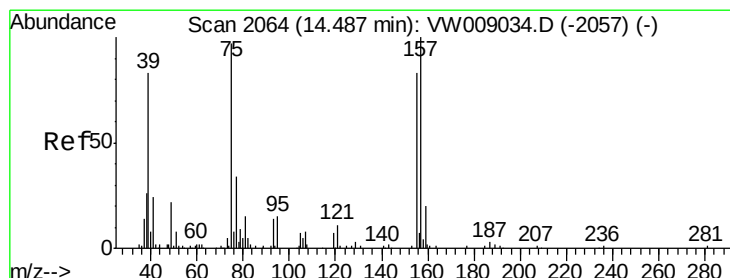
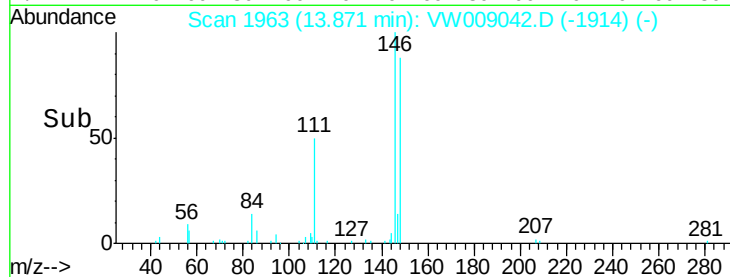
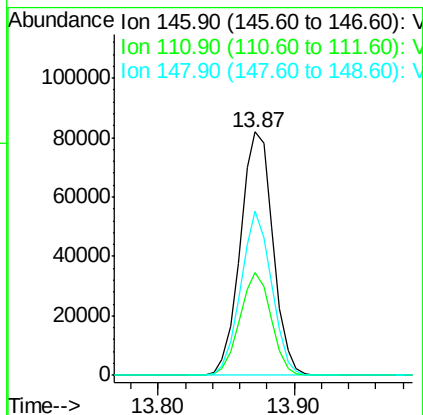
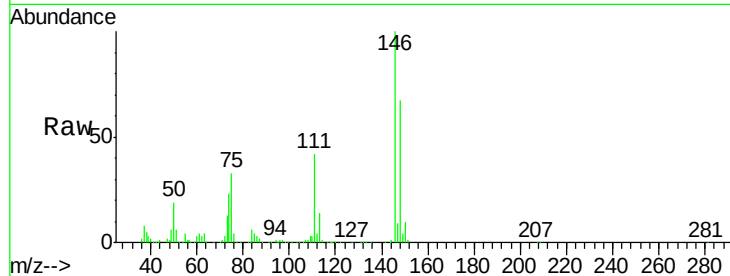
ClientSampleId :

VW0307SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 136726 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 40.7  | 21.1  | 63.1   |
| 148       | 63.9  | 32.3  | 96.9   |

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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.574 ug/l

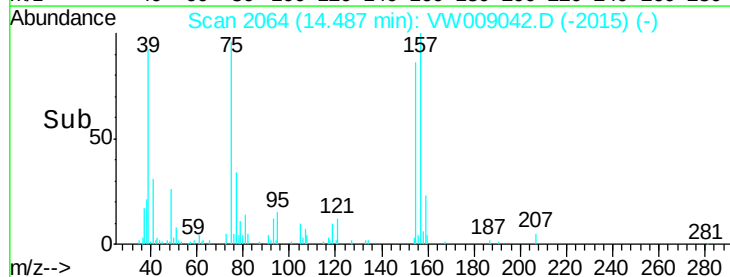
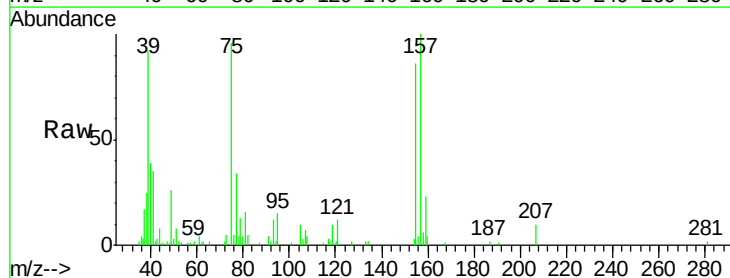
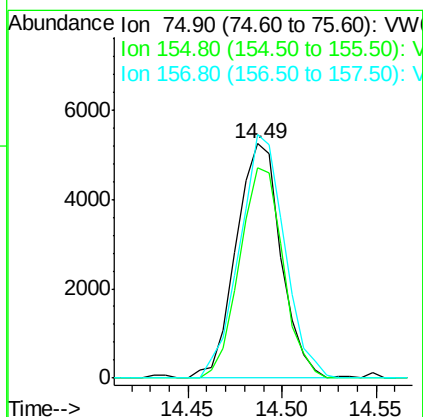
RT: 14.49 min Scan# 2064

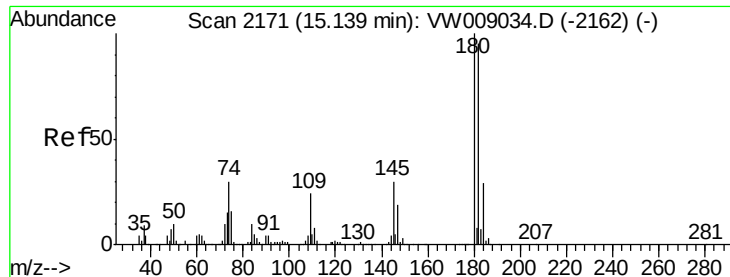
Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 8682  |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 86.6  | 40.8  | 122.4 |
| 157       | 103.8 | 52.4  | 157.3 |





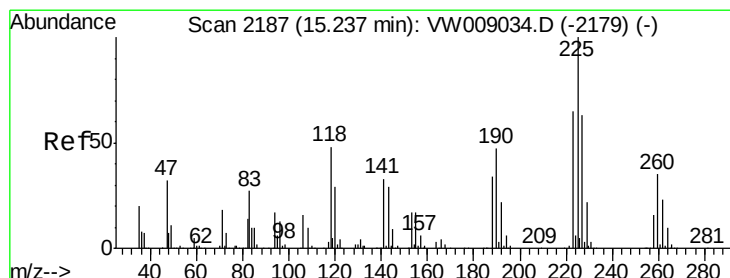
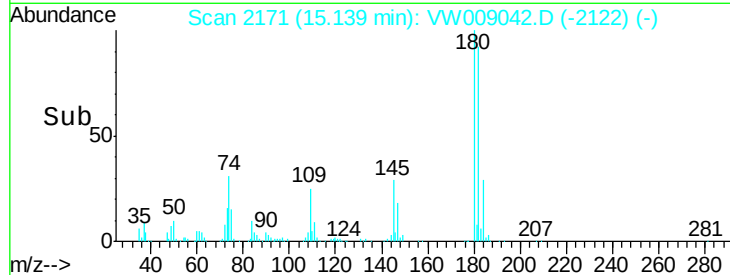
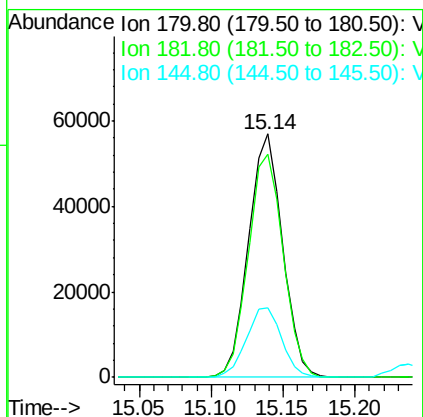
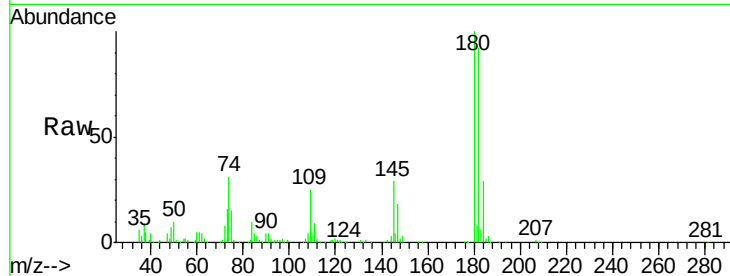
#93  
 1,2,4-Trichlorobenzene  
 Concen: 20.513 ug/l  
 RT: 15.14 min Scan# 2171  
 Delta R.T. 0.00 min  
 Lab File: VW009042.D  
 Acq: 07 Mar 2019 16:22

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0307SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.3  | 48.1  | 144.3 |
| 145     | 29.8  | 15.4  | 46.1  |

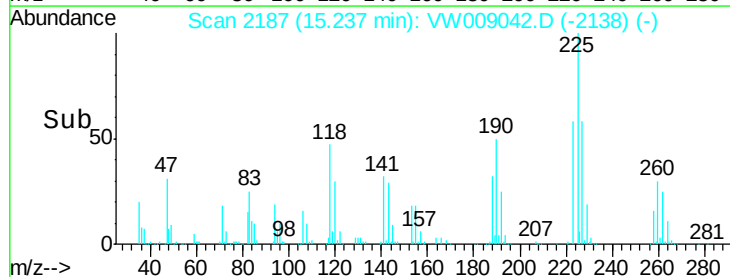
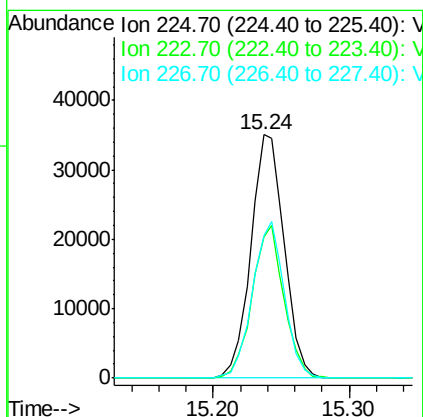
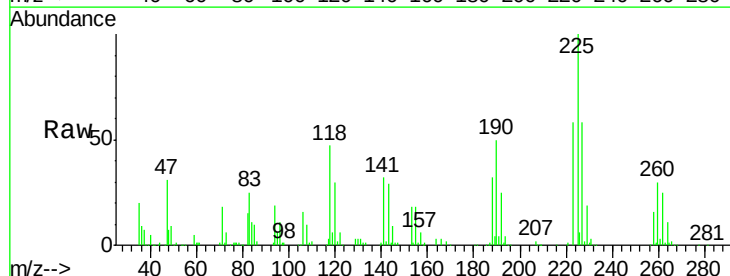
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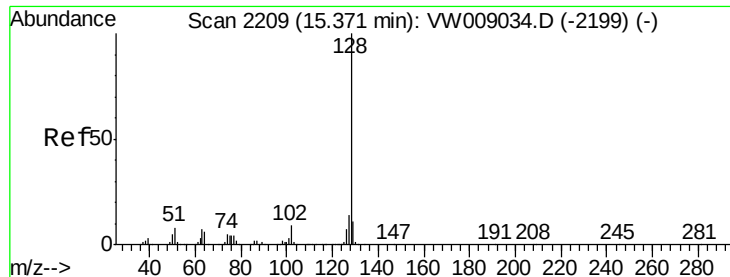
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#94  
 Hexachlorobutadiene  
 Concen: 21.235 ug/l  
 RT: 15.24 min Scan# 2187  
 Delta R.T. 0.00 min  
 Lab File: VW009042.D  
 Acq: 07 Mar 2019 16:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 59.7  | 31.6  | 94.8  |
| 227     | 61.5  | 32.0  | 96.2  |





#95

Naphthalene

Concen: 19.596 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Instrument :

MSVOA\_W

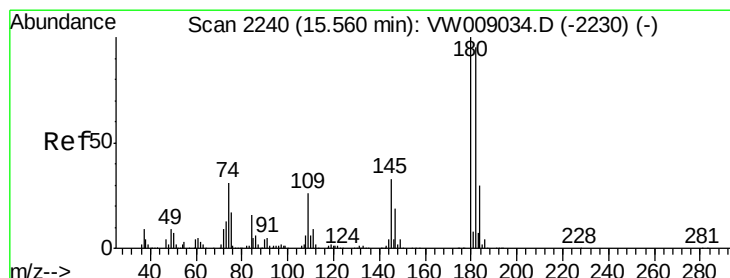
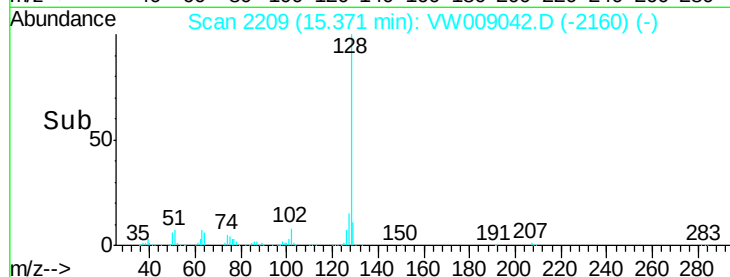
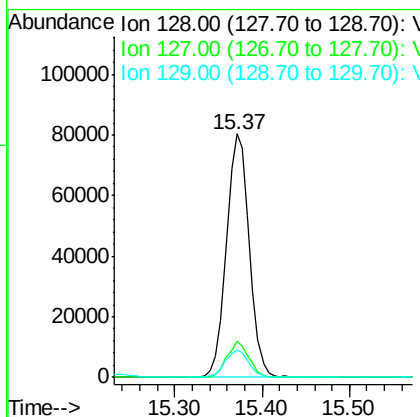
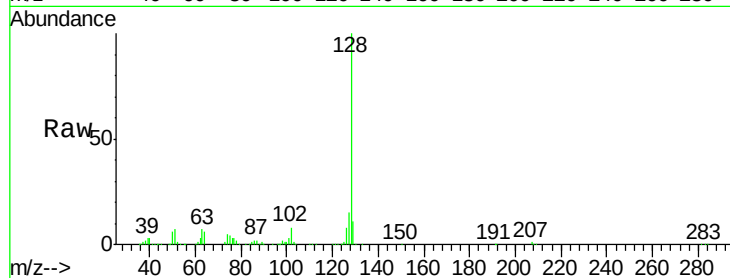
ClientSampleId :

VW0307SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 144899 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 14.2  | 11.0  | 16.6   |
| 129       | 11.5  | 8.8   | 13.2   |

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#96

1,2,3-Trichlorobenzene

Concen: 20.146 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 80022 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 95.5  | 48.1  | 144.3 |
| 145       | 31.6  | 15.8  | 47.3  |

