

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090519\  
 Data File : VW012633.D  
 Acq On : 05 Sep 2019 11:49  
 Operator : SY/VA  
 Sample : VW0905SBS01  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0905SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 9/6/2019 12:29:11 PM

Quant Time: Sep 05 16:35:53 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W082319S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 26 07:18:31 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 240034   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 365357   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 311128   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.55 | 152  | 156757   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.31   | 65  | 142549   | 49.96 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.92%  |      |
| 35) Dibromofluoromethane  | 7.88   | 113 | 115358   | 52.90 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 105.80% |      |
| 50) Toluene-d8            | 10.32  | 98  | 448927   | 50.77 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.54% |      |
| 62) 4-Bromofluorobenzene  | 12.62  | 95  | 160403   | 51.46 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.92% |      |

## Target Compounds

|                               |      |     |        |        |        | Qvalue |
|-------------------------------|------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 2.01 | 85  | 25310  | 17.125 | ug/l   | 97     |
| 3) Chloromethane              | 2.21 | 50  | 36093  | 15.762 | ug/l   | 97     |
| 4) Vinyl Chloride             | 2.35 | 62  | 42826  | 15.281 | ug/l   | 99     |
| 5) Bromomethane               | 2.77 | 94  | 23158  | 16.316 | ug/l   | 96     |
| 6) Chloroethane               | 2.91 | 64  | 24910  | 15.756 | ug/l   | 96     |
| 7) Trichlorofluoromethane     | 3.24 | 101 | 27129  | 19.277 | ug/l   | 99     |
| 8) Diethyl Ether              | 3.68 | 74  | 22410  | 16.777 | ug/l   | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.06 | 101 | 42466  | 17.753 | ug/l   | 95     |
| 10) Methyl Iodide             | 4.26 | 142 | 55256  | 17.072 | ug/l   | 97     |
| 11) Tert butyl alcohol        | 5.21 | 59  | 14573  | 84.866 | ug/l # | 88     |
| 12) 1,1-Dichloroethene        | 4.03 | 96  | 41013  | 17.034 | ug/l   | 97     |
| 13) Acrolein                  | 3.89 | 56  | 8516   | 52.685 | ug/l   | 91     |
| 14) Allyl chloride            | 4.66 | 41  | 86633  | 16.831 | ug/l   | 95     |
| 15) Acrylonitrile             | 5.36 | 53  | 59778  | 90.286 | ug/l   | 97     |
| 16) Acetone                   | 4.14 | 43  | 58064  | 79.606 | ug/l   | 95     |
| 17) Carbon Disulfide          | 4.37 | 76  | 95399  | 13.111 | ug/l   | 99     |
| 18) Methyl Acetate            | 4.67 | 43  | 32328  | 17.895 | ug/l   | 95     |
| 19) Methyl tert-butyl Ether   | 5.42 | 73  | 77733  | 19.965 | ug/l   | 98     |
| 20) Methylene Chloride        | 4.91 | 84  | 50478  | 18.306 | ug/l   | 99     |
| 21) trans-1,2-Dichloroethene  | 5.42 | 96  | 47784  | 18.508 | ug/l   | 100    |
| 22) Diisopropyl ether         | 6.31 | 45  | 190940 | 20.013 | ug/l   | 98     |
| 23) Vinyl Acetate             | 6.25 | 43  | 546994 | 93.160 | ug/l   | 100    |
| 24) 1,1-Dichloroethane        | 6.21 | 63  | 105931 | 20.392 | ug/l   | 100    |
| 25) 2-Butanone                | 7.17 | 43  | 89951  | 90.753 | ug/l   | 96     |
| 26) 2,2-Dichloropropane       | 7.16 | 77  | 65372  | 22.233 | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene    | 7.17 | 96  | 56203  | 20.375 | ug/l   | 99     |
| 28) Bromochloromethane        | 7.51 | 49  | 45102  | 19.920 | ug/l   | 94     |
| 29) Tetrahydrofuran           | 7.53 | 42  | 53912  | 90.661 | ug/l   | 98     |
| 30) Chloroform                | 7.67 | 83  | 100668 | 21.181 | ug/l   | 98     |
| 31) Cyclohexane               | 7.95 | 56  | 92118  | 17.923 | ug/l   | 94     |
| 32) 1,1,1-Trichloroethane     | 7.87 | 97  | 82564  | 21.960 | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 8.08 | 75  | 78902  | 20.898 | ug/l   | 100    |
| 37) Ethyl Acetate             | 7.25 | 43  | 35709  | 17.260 | ug/l   | 97     |
| 38) Carbon Tetrachloride      | 8.06 | 117 | 74055  | 22.662 | ug/l   | 97     |

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 Sample : VW0905SBS01  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0905SBS01

Manual Integrations  
 APPROVED

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 9/6/2019 12:29:11 PM

Quant Time: Sep 05 16:35:53 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W082319S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 26 07:18:31 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.34  | 83   | 81383    | 19.187  | ug/l   | 99       |
| 40) Benzene                    | 8.32  | 78   | 212816   | 20.643  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.48  | 41   | 24143    | 19.855  | ug/l   | 97       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 73724    | 22.817  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.42  | 43   | 75420    | 19.680  | ug/l   | 98       |
| 44) Trichloroethene            | 9.09  | 130  | 54556    | 21.769  | ug/l   | 95       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 57236    | 20.629  | ug/l   | 96       |
| 46) Dibromomethane             | 9.46  | 93   | 26369    | 21.360  | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.64  | 83   | 73361    | 22.329  | ug/l   | 96       |
| 48) Methyl methacrylate        | 9.43  | 41   | 35978    | 19.725  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 9.47  | 88   | 7240     | 383.098 | ug/l # | 78       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 192720   | 98.869  | ug/l   | 99       |
| 52) Toluene                    | 10.38 | 92   | 132222   | 21.349  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.60 | 75   | 70471    | 21.057  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 10.07 | 75   | 82693    | 20.464  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 37221    | 21.310  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 50969    | 20.050  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 69663    | 21.106  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.92  | 63   | 136706   | 104.784 | ug/l   | 98       |
| 59) 2-Hexanone                 | 10.97 | 43   | 134032   | 97.180  | ug/l   | 99       |
| 60) Dibromochloromethane       | 11.13 | 129  | 42947    | 22.076  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 11.23 | 107  | 34358    | 21.115  | ug/l   | 98       |
| 64) Tetrachloroethene          | 10.86 | 164  | 44989    | 22.303  | ug/l   | 99       |
| 65) Chlorobenzene              | 11.66 | 112  | 135620   | 22.137  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.73 | 131  | 49099    | 22.973  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.73 | 91   | 260508   | 22.074  | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.83 | 106  | 186814   | 43.946  | ug/l   | 99       |
| 69) o-Xylene                   | 12.16 | 106  | 87518    | 22.244  | ug/l   | 99       |
| 70) Styrene                    | 12.18 | 104  | 152174   | 22.345  | ug/l   | 99       |
| 71) Bromoform                  | 12.35 | 173  | 23344    | 21.923  | ug/l # | 98       |
| 73) Isopropylbenzene           | 12.46 | 105  | 252241   | 21.475  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.27 | 43   | 68527    | 19.310  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.71 | 83   | 42725    | 19.841  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 36571m   | 23.954  | ug/l   |          |
| 77) Bromobenzene               | 12.74 | 156  | 54254    | 21.350  | ug/l   | 96       |
| 78) n-propylbenzene            | 12.80 | 91   | 303080   | 21.136  | ug/l   | 98       |
| 79) 2-Chlorotoluene            | 12.89 | 91   | 172985   | 21.248  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.94 | 105  | 213613   | 21.764  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 12.51 | 75   | 13518    | 19.414  | ug/l   | 95       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 183431   | 21.518  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 13.21 | 119  | 185799   | 22.348  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 13.25 | 105  | 212845   | 21.588  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.38 | 105  | 257747   | 21.639  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.50 | 119  | 235836   | 22.170  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.50 | 146  | 108825   | 21.895  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 106906   | 21.662  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.82 | 91   | 225686   | 21.335  | ug/l   | 99       |
| 90) Hexachloroethane           | 14.09 | 117  | 39975    | 21.419  | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene        | 13.87 | 146  | 95957    | 22.007  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.49 | 75   | 7270     | 20.026  | ug/l   | 98       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090519\  
Data File : VW012633.D  
Acq On : 05 Sep 2019 11:49  
Operator : SY/VA  
Sample : VW0905SBS01  
Misc : 5.00G/5ML/MSVOA W/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0905SBS01

Manual Integrations  
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Quant Time: Sep 05 16:35:53 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W082319S.M  
Quant Title : SW846 8260  
QLast Update : Mon Aug 26 07:18:31 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.13 | 180  | 65050    | 21.588 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.24 | 225  | 48490    | 24.371 | ug/l  | 97       |
| 95) Naphthalene            | 15.36 | 128  | 104359   | 20.445 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.56 | 180  | 56745    | 21.585 | ug/l  | 98       |

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

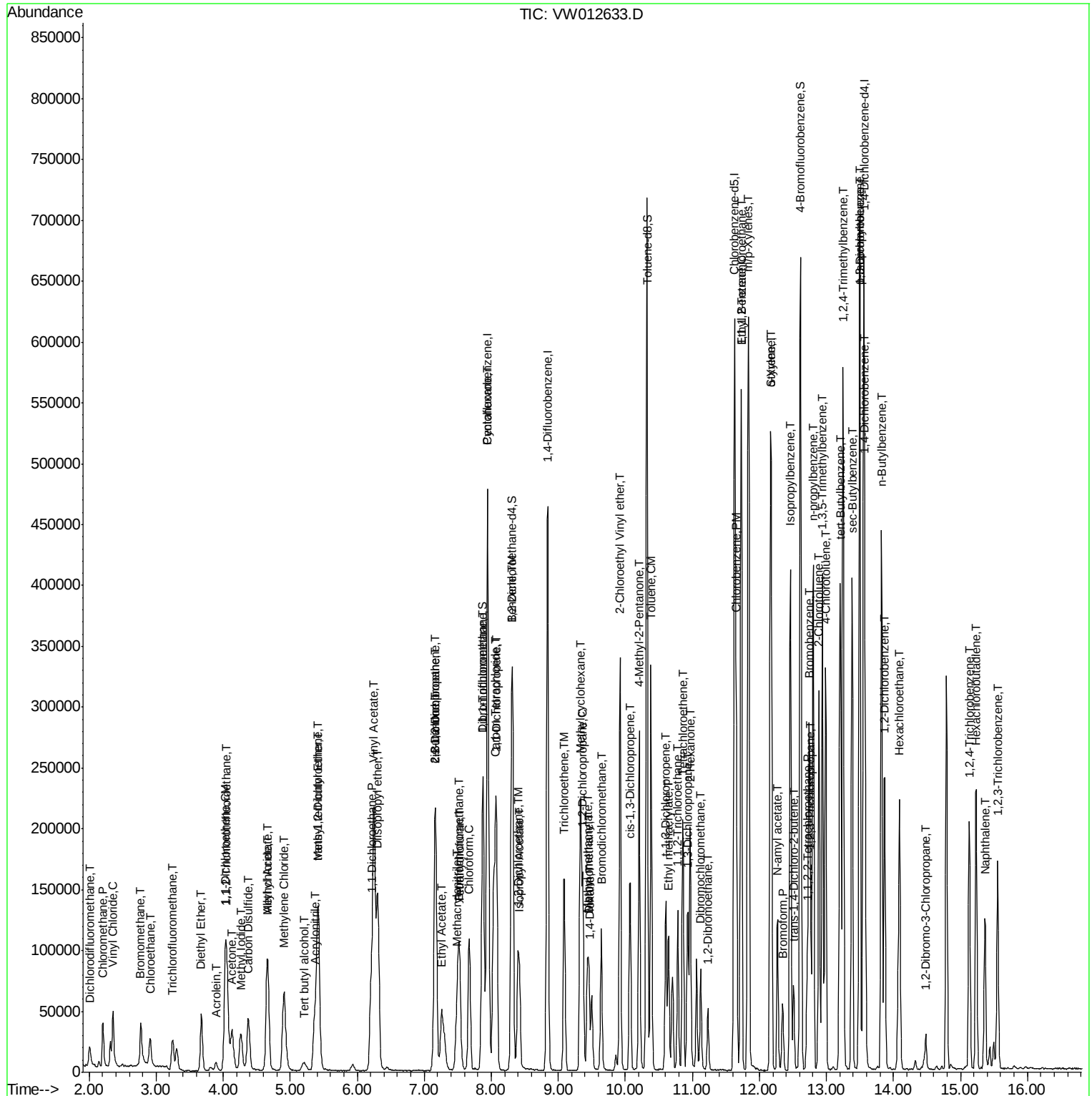
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Data File : VW012633.D  
Acq On : 05 Sep 2019 11:49  
Operator : SY/VA  
Sample : VW0905SBS01  
Misc : 5.00G/5ML/MSVOA W/SOIL  
ALS Vial : 4 Sample Multiplier: 1

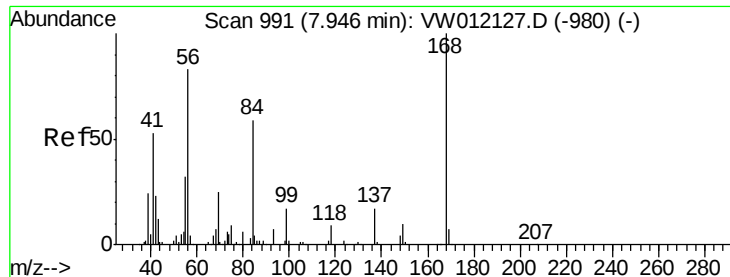
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0905SBS01

Manual Integrations  
APPROVED

MMDadoda  
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Quant Title : SW846 8260  
QLast Update : Mon Aug 26 07:18:31 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012633.D

Acq: 05 Sep 2019 11:49

Instrument :

MSVOA\_W

ClientSampleId :

VW0905SBS01

Tot Ion:168 Resp: 240034

Ion Ratio Lower Upper

168 100

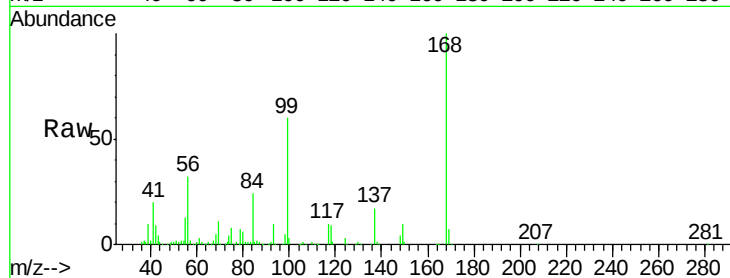
99 60.4 49.2 73.8

Manual Integrations

APPROVED

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9/6/2019 12:29:11 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

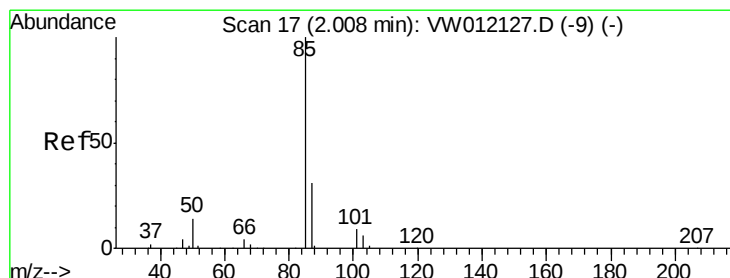
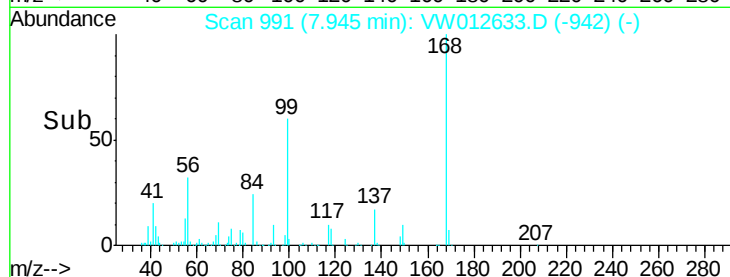
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 17.125 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012633.D

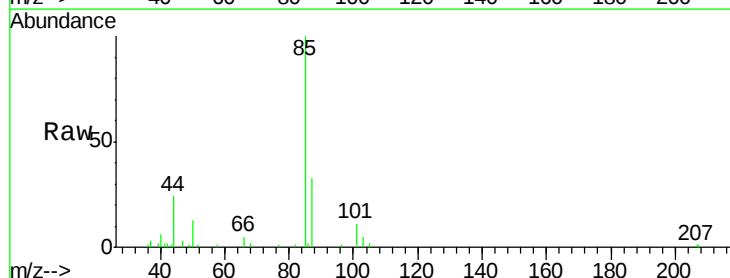
Acq: 05 Sep 2019 11:49

Tgt Ion: 85 Resp: 25310

Ion Ratio Lower Upper

85 100

87 33.0 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

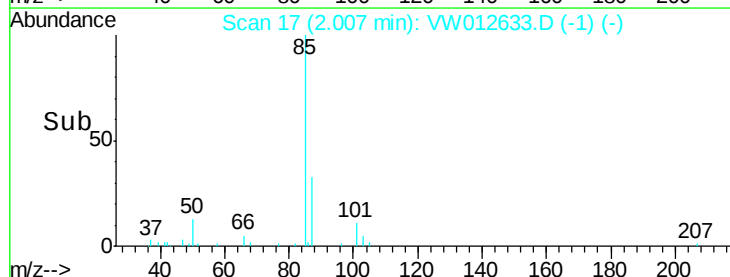
6000

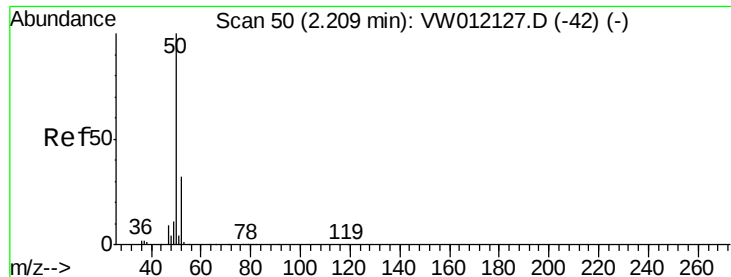
4000

2000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 15.762 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012633.D

Acq: 05 Sep 2019 11:49

Instrument :

MSVOA\_W

ClientSampleId :

VW0905SBS01

Tot Ion: 50 Resp: 36093

Ion Ratio Lower Upper

50 100

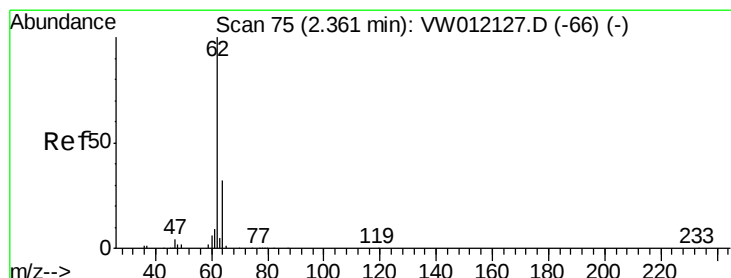
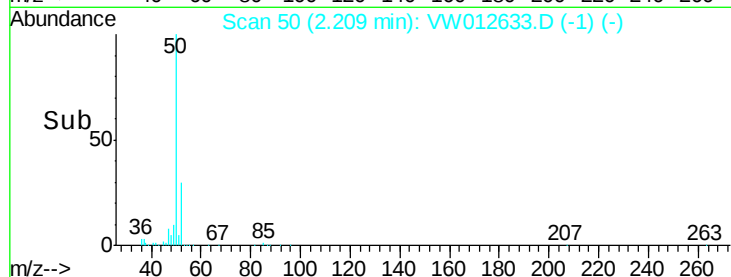
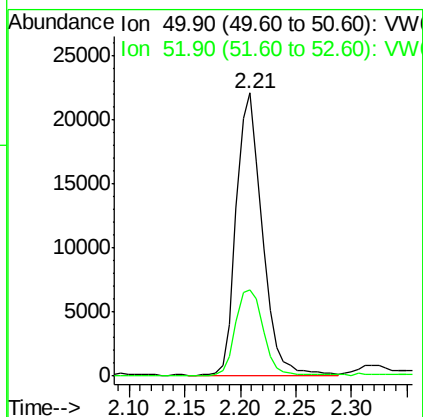
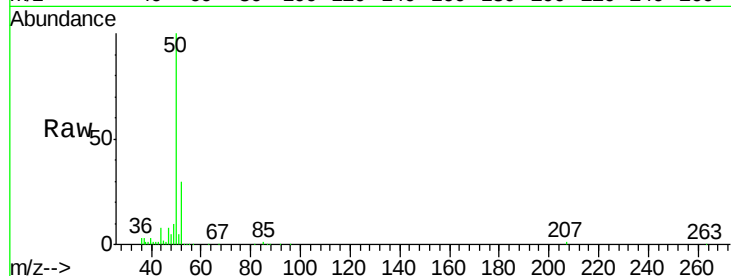
52 30.4 25.5 38.3

Manual Integrations

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9/6/2019 12:29:11 PM



#4

Vinyl Chloride

Concen: 15.281 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012633.D

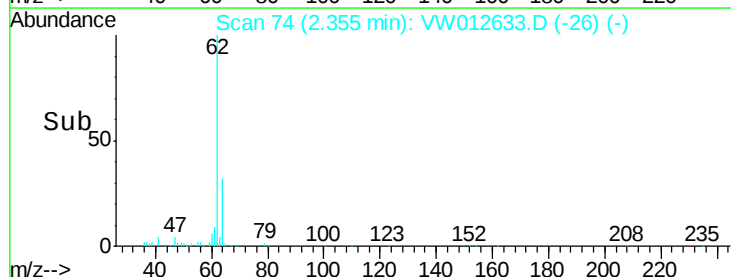
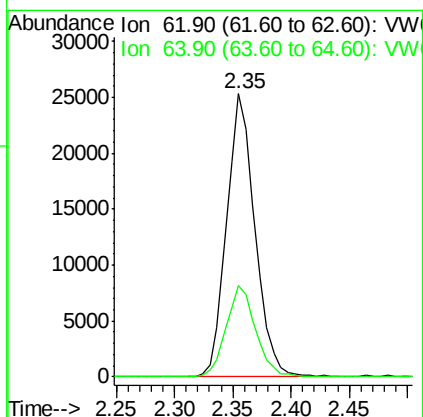
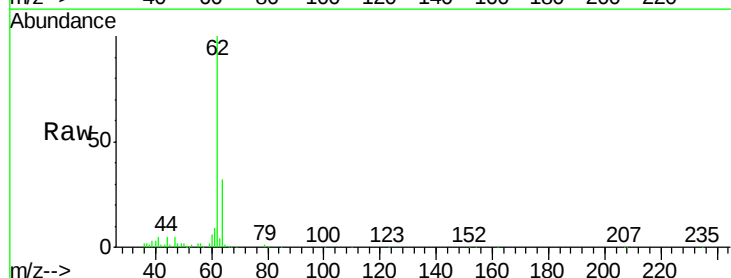
Acq: 05 Sep 2019 11:49

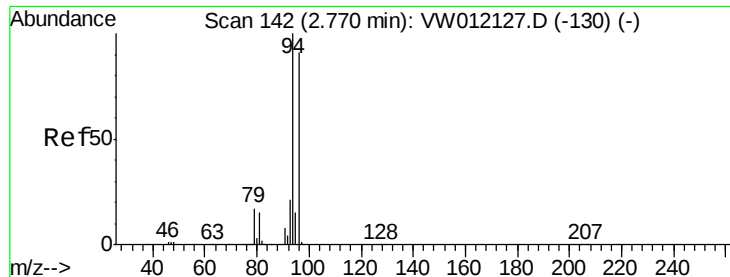
Tgt Ion: 62 Resp: 42826

Ion Ratio Lower Upper

62 100

64 32.4 25.3 37.9





#5

Bromomethane

Concen: 16.316 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW012633.D

Acq: 05 Sep 2019 11:49

Instrument :

MSVOA\_W

ClientSampleId :

VW0905SBS01

Tot Ion: 94 Resp: 23158

Ion Ratio Lower Upper

94 100

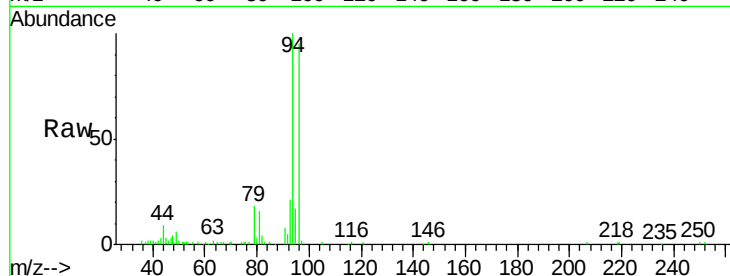
96 94.8 72.9 109.3

Manual Integrations

APPROVED

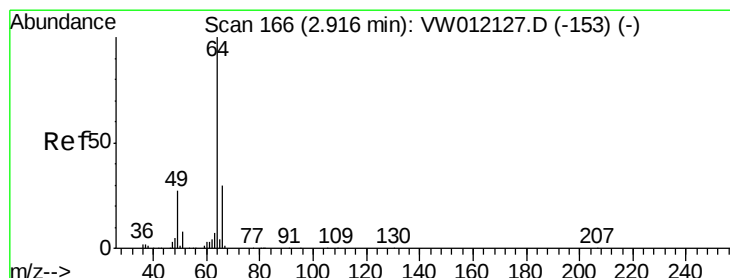
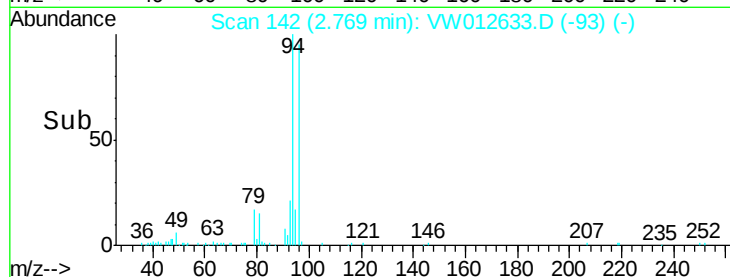
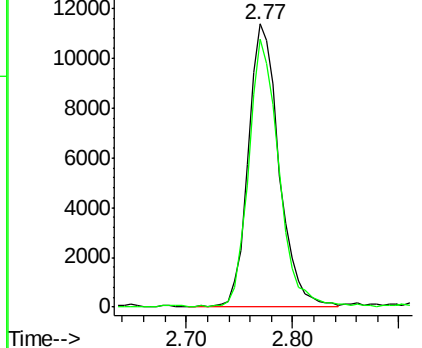
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 15.756 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW012633.D

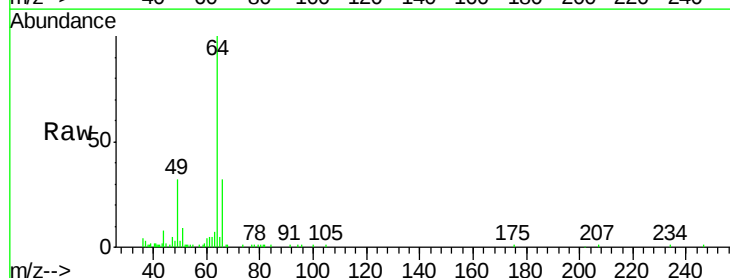
Acq: 05 Sep 2019 11:49

Tgt Ion: 64 Resp: 24910

Ion Ratio Lower Upper

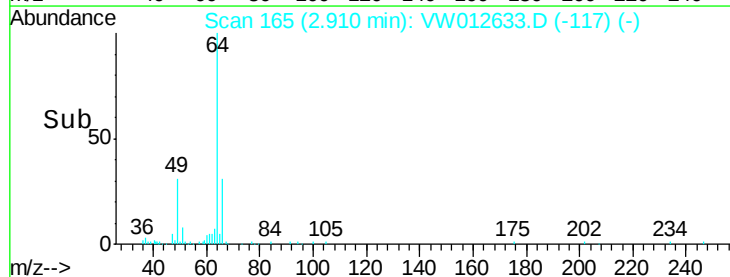
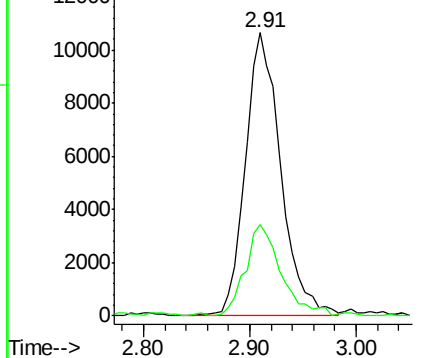
64 100

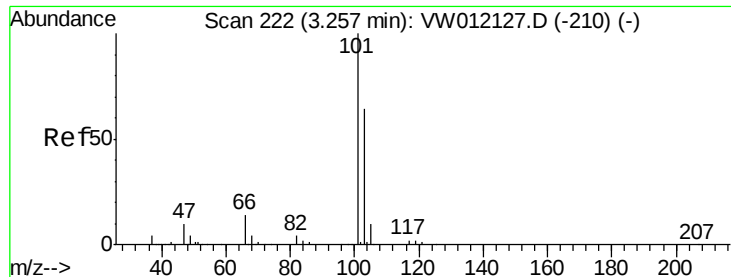
66 32.1 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

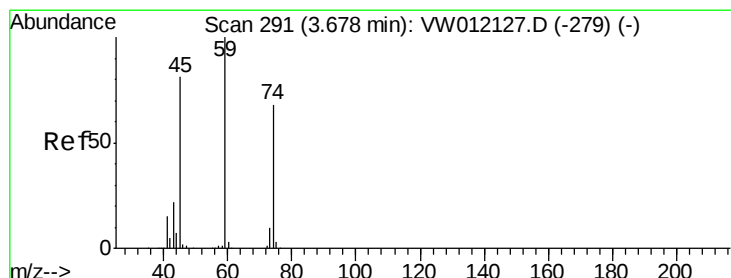
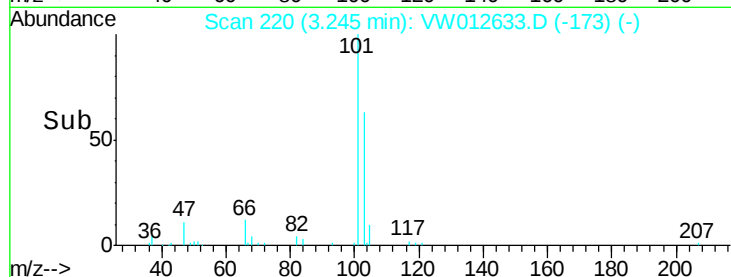
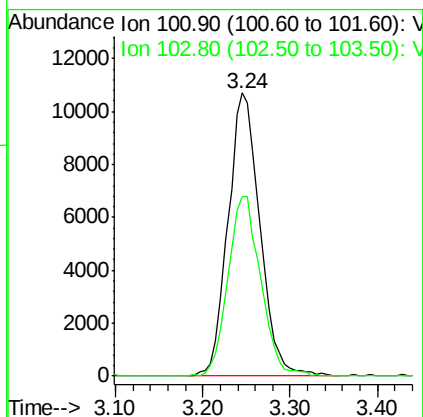
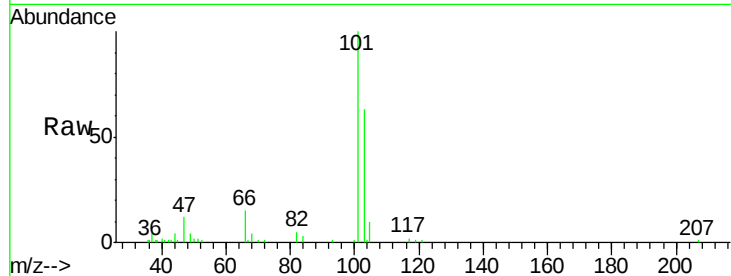
Trichlorofluoromethane  
 Concen: 19.277 ug/l  
 RT: 3.24 min Scan# 220  
 Delta R.T. -0.01 min  
 Lab File: VW012633.D  
 Acq: 05 Sep 2019 11:49

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0905SBS01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 101     | 100   | 27129 |       |       |
| 103     | 63.5  |       | 51.2  | 76.8  |

Manual Integrations  
 APPROVED

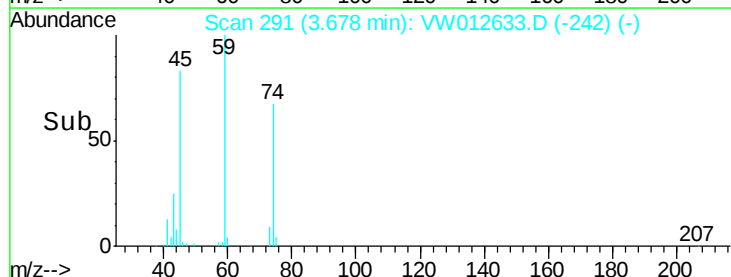
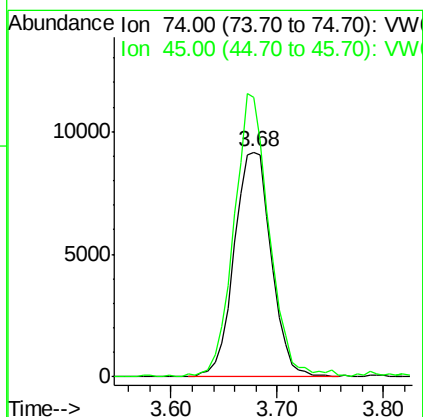
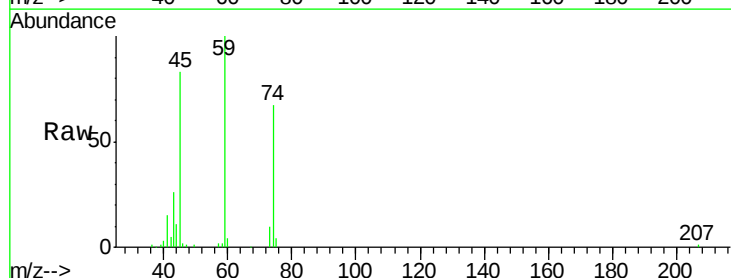
MMDadoda  
 9/6/2019 12:29:11 PM

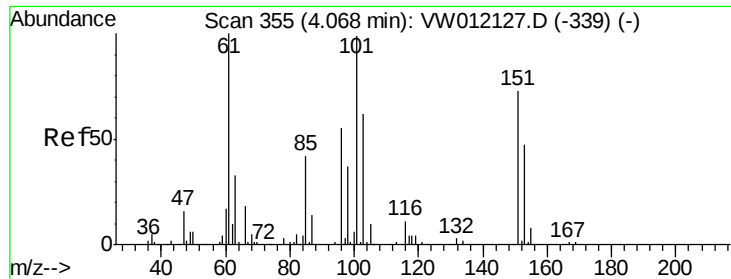


#8

Diethyl Ether  
 Concen: 16.777 ug/l  
 RT: 3.68 min Scan# 291  
 Delta R.T. -0.00 min  
 Lab File: VW012633.D  
 Acq: 05 Sep 2019 11:49

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 74      | 100   | 22410 |       |       |
| 45      | 120.2 |       | 59.2  | 177.6 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.753 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012633.D

Acq: 05 Sep 2019 11:49

Instrument :

MSVOA\_W

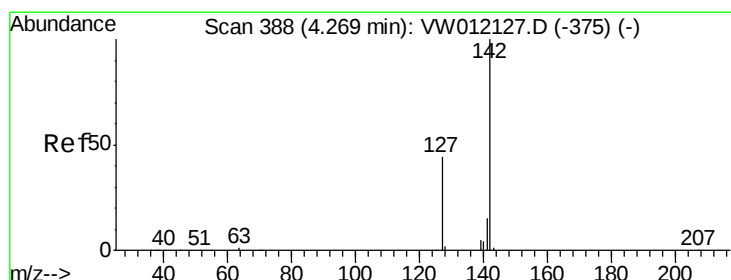
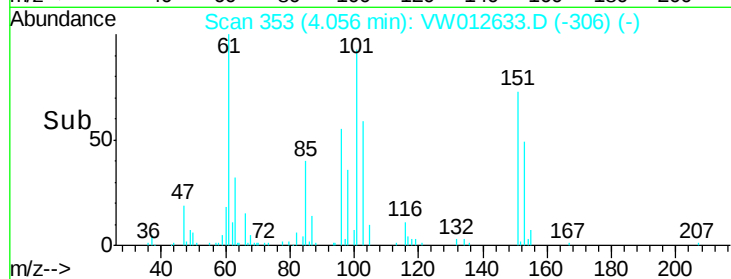
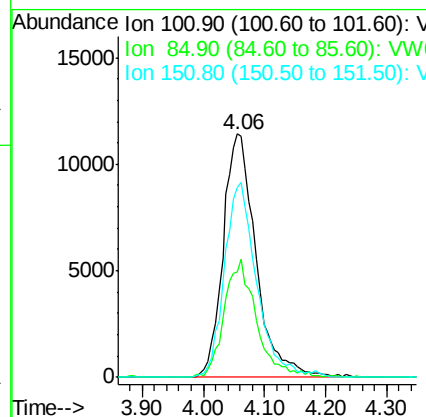
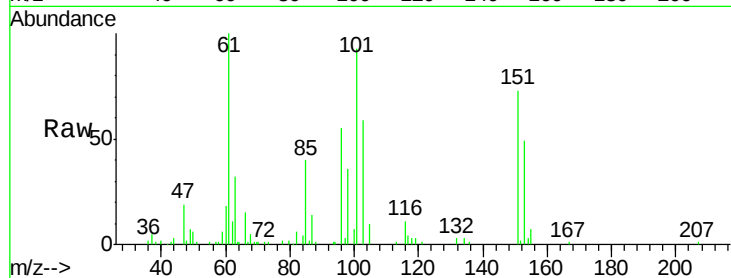
ClientSampled :

VW0905SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 42466 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 47.5  | 35.8  | 53.6  |
| 151       | 77.9  | 58.6  | 87.8  |

Manual Integrations  
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#10

Methyl Iodide

Concen: 17.072 ug/l

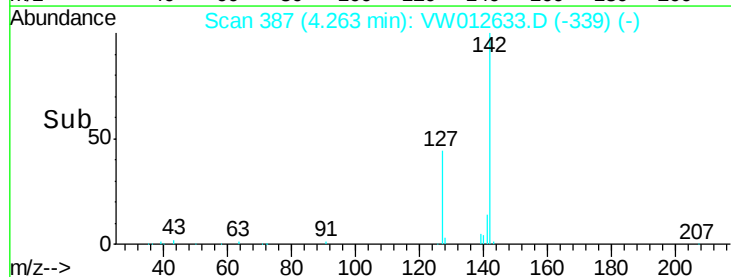
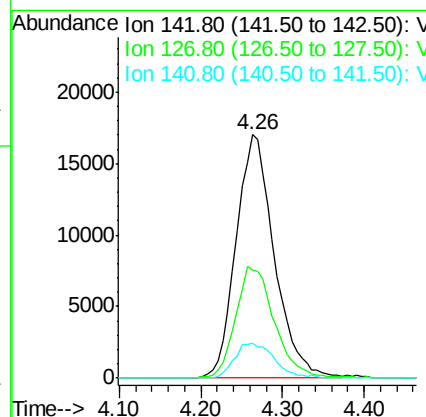
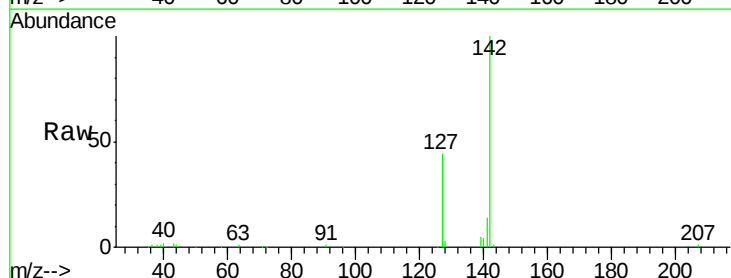
RT: 4.26 min Scan# 387

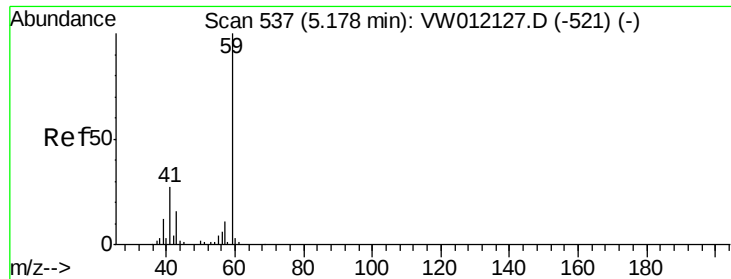
Delta R.T. -0.01 min

Lab File: VW012633.D

Acq: 05 Sep 2019 11:49

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 55256 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 46.6  | 35.5  | 53.3  |
| 141       | 15.0  | 11.8  | 17.8  |





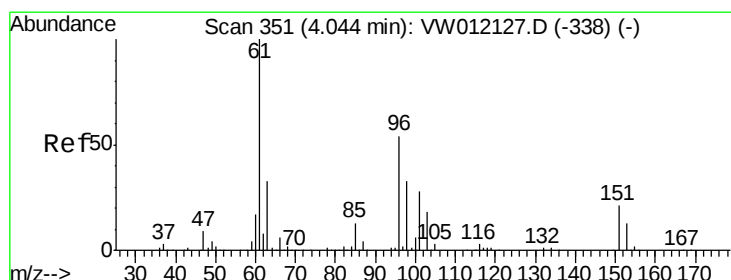
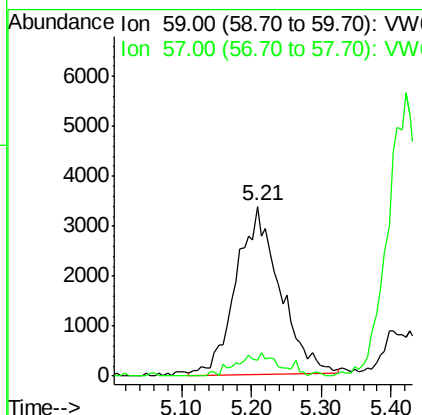
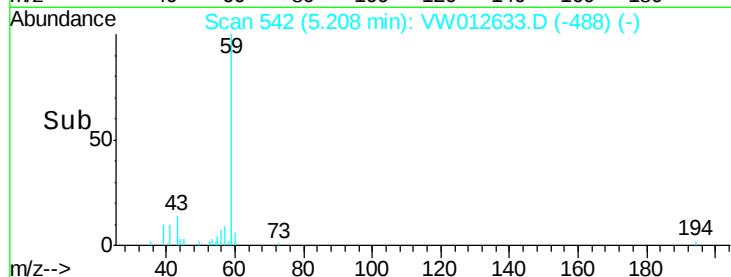
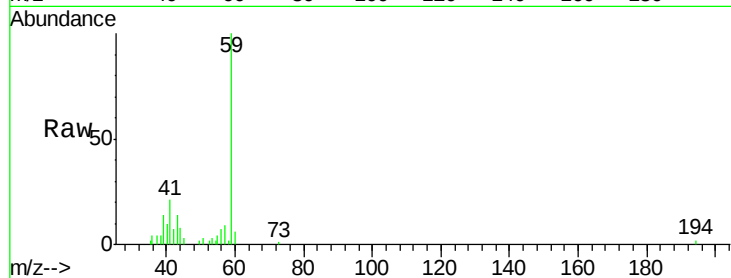
#11  
Tert butyl alcohol  
Concen: 84.866 ug/l  
RT: 5.21 min Scan# 542  
Delta R.T. 0.03 min  
Lab File: VW012633.D  
Acq: 05 Sep 2019 11:49

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0905SBS01

Tot Ion: 59 Resp: 14573  
Ion Ratio Lower Upper  
59 100  
57 6.7 9.0 13.4#

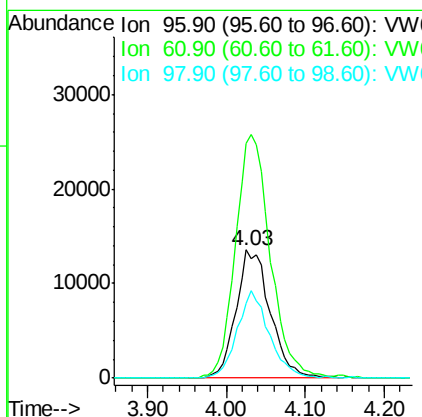
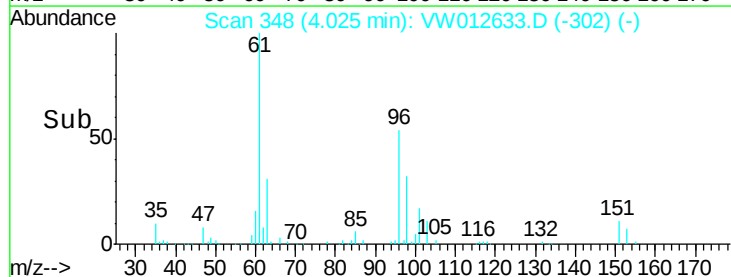
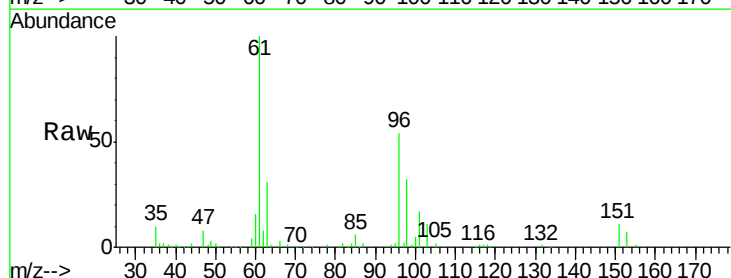
Manual Integrations  
APPROVED

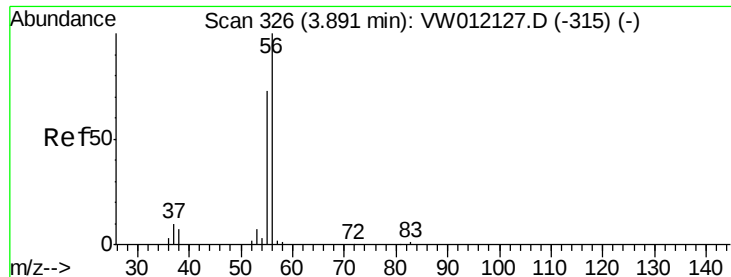
MMDadoda  
9/6/2019 12:29:11 PM



#12  
1,1-Dichloroethene  
Concen: 17.034 ug/l  
RT: 4.03 min Scan# 348  
Delta R.T. -0.02 min  
Lab File: VW012633.D  
Acq: 05 Sep 2019 11:49

Tgt Ion: 96 Resp: 41013  
Ion Ratio Lower Upper  
96 100  
61 183.7 149.1 223.7  
98 58.3 49.4 74.2





#13

Acrolein

Concen: 52.685 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012633.D

Acq: 05 Sep 2019 11:49

Instrument :

MSVOA\_W

ClientSampleId :

VW0905SBS01

Tot Ion: 56 Resp: 8516

Ion Ratio Lower Upper

56 100

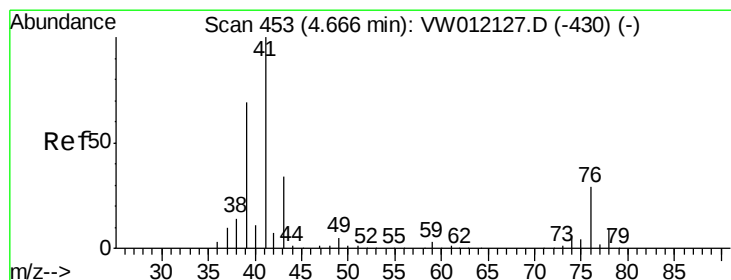
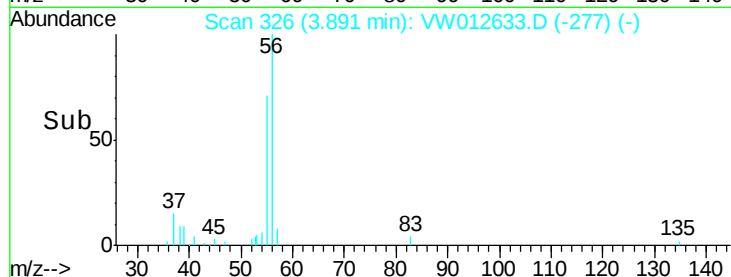
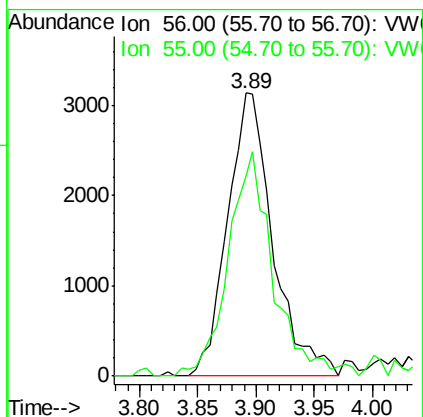
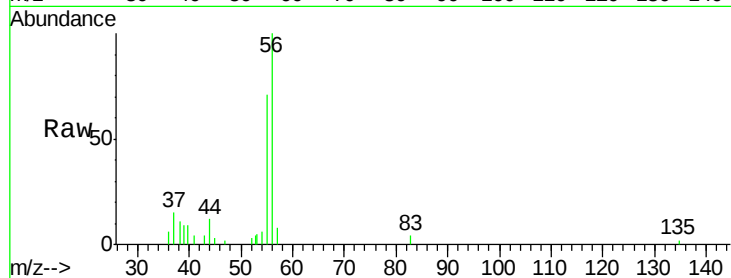
55 77.4 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 16.831 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012633.D

Acq: 05 Sep 2019 11:49

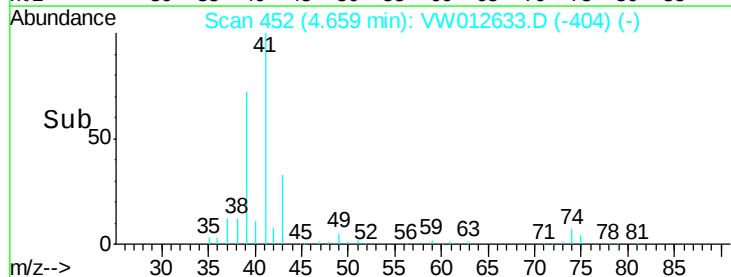
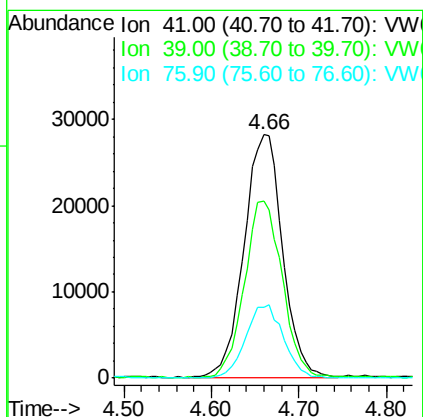
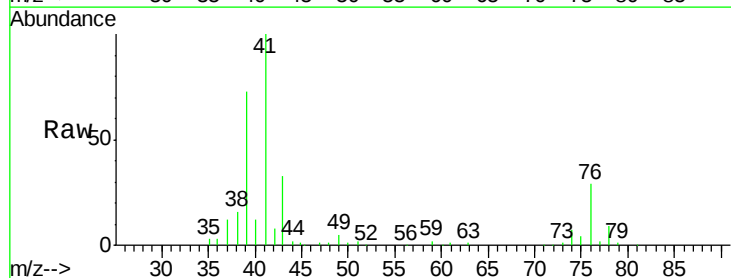
Tgt Ion: 41 Resp: 86633

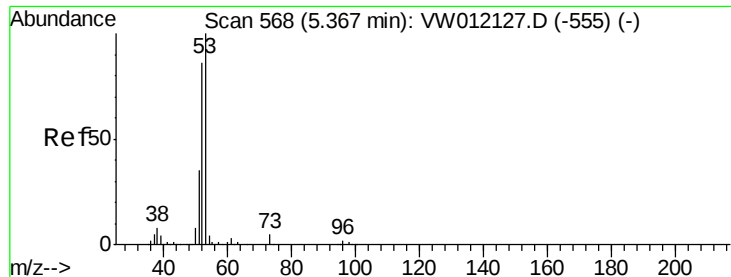
Ion Ratio Lower Upper

41 100

39 70.9 53.4 80.2

76 29.3 22.1 33.1





#15

Acrylonitrile

Concen: 90.286 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012633.D

Acq: 05 Sep 2019 11:49

Instrument :

MSVOA\_W

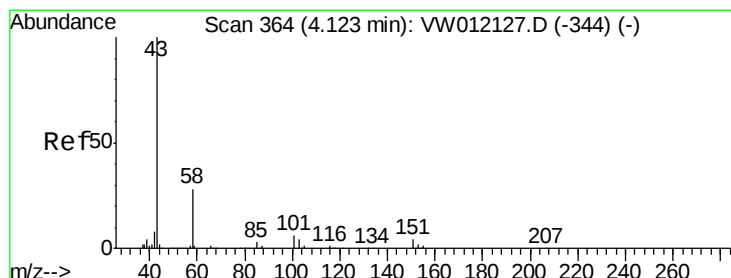
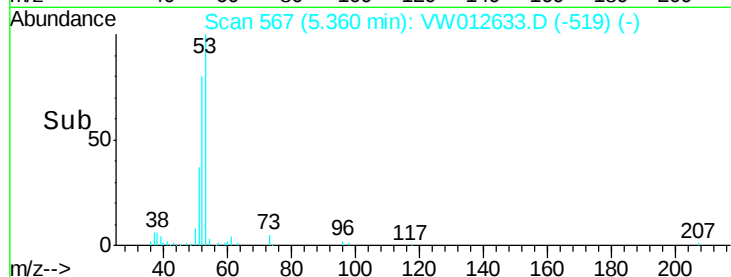
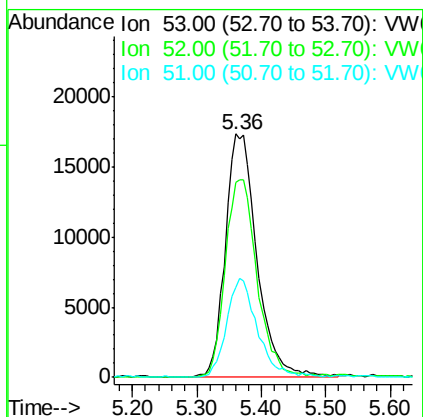
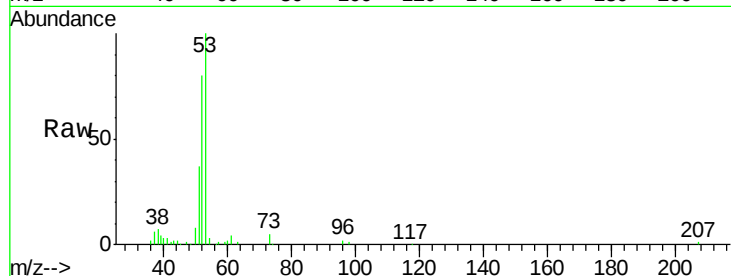
ClientSampleId :

VW0905SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 59778 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 81.5  | 66.7  | 100.1 |
| 51       | 39.6  | 30.1  | 45.1  |

Manual Integrations  
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#16

Acetone

Concen: 79.606 ug/l

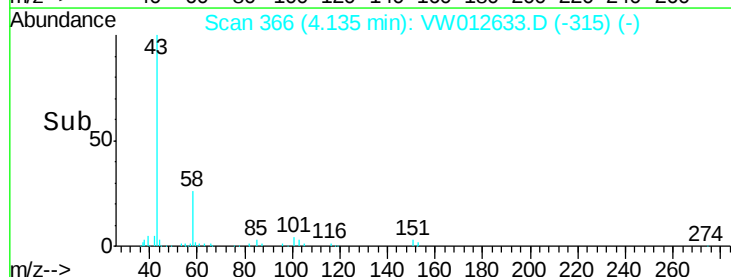
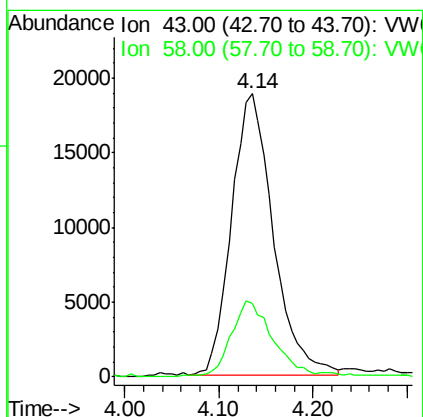
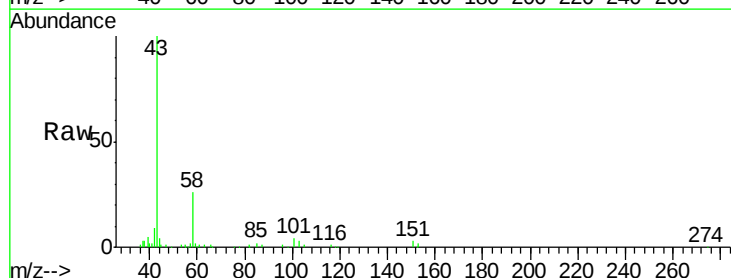
RT: 4.14 min Scan# 366

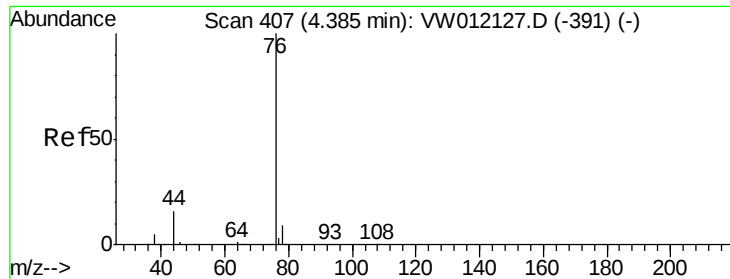
Delta R.T. 0.01 min

Lab File: VW012633.D

Acq: 05 Sep 2019 11:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 58064 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 25.3  | 22.4  | 33.6  |





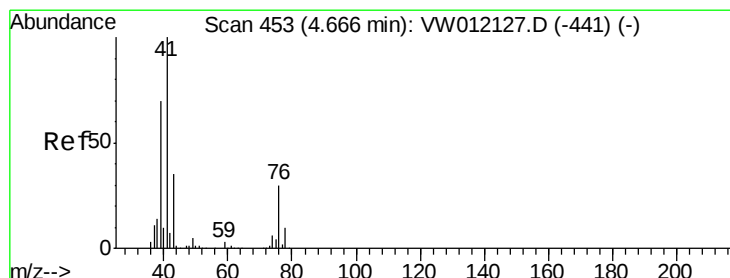
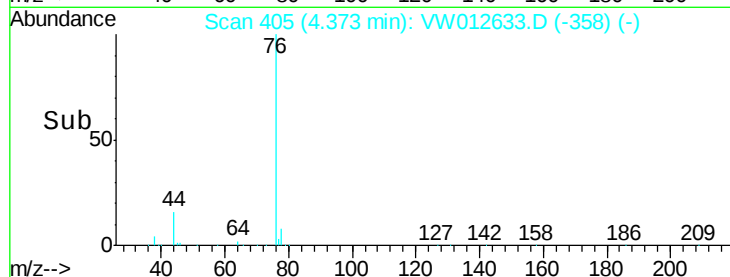
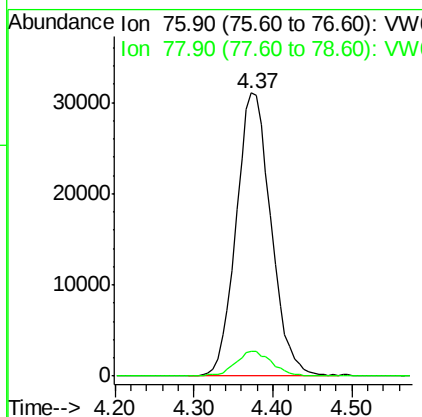
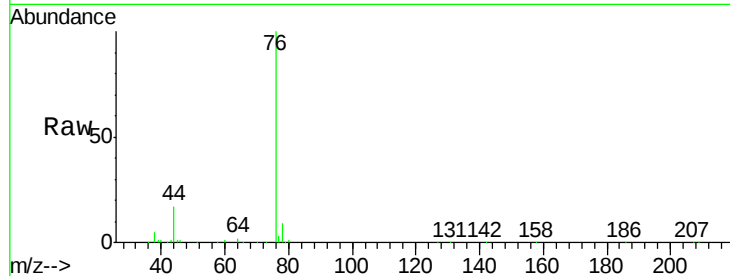
#17  
Carbon Disulfide  
Concen: 13.111 ug/l  
RT: 4.37 min Scan# 405  
Delta R.T. -0.01 min  
Lab File: VW012633.D  
Acq: 05 Sep 2019 11:49

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0905SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 8.8   | 7.3   | 10.9  |

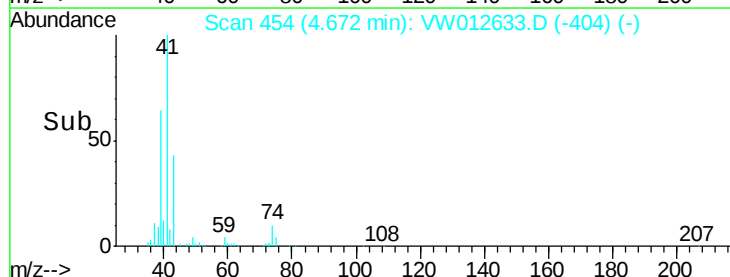
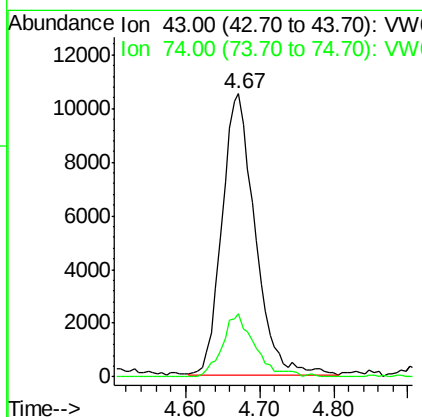
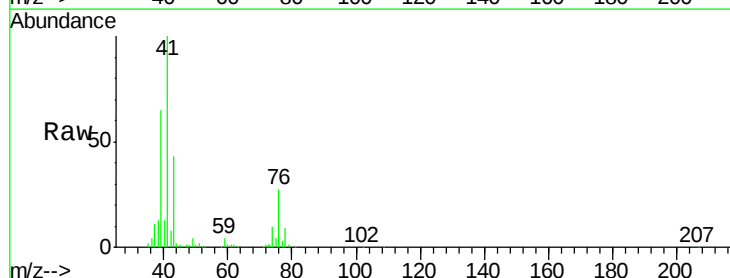
Manual Integrations  
APPROVED

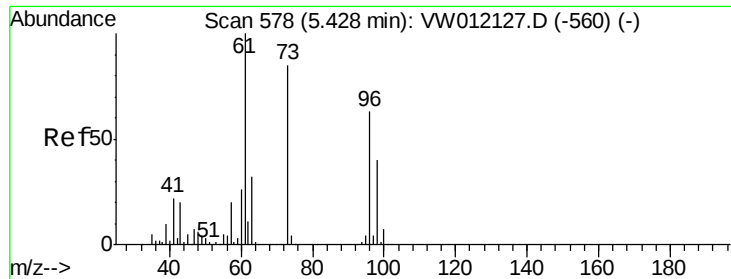
MMDadoda  
9/6/2019 12:29:11 PM



#18  
Methyl Acetate  
Concen: 17.895 ug/l  
RT: 4.67 min Scan# 454  
Delta R.T. 0.01 min  
Lab File: VW012633.D  
Acq: 05 Sep 2019 11:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 22.0  | 15.7  | 23.5  |





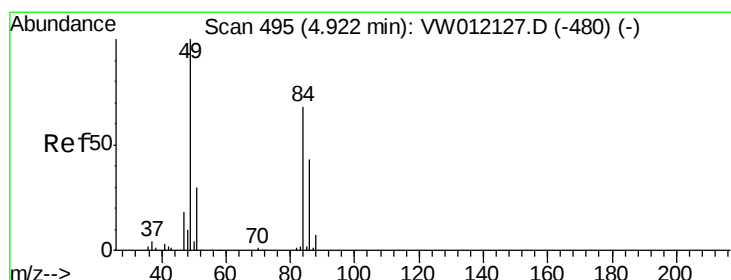
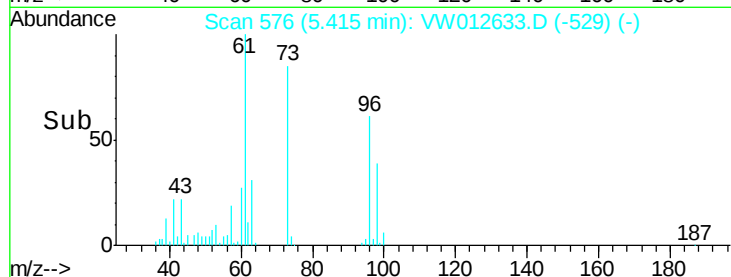
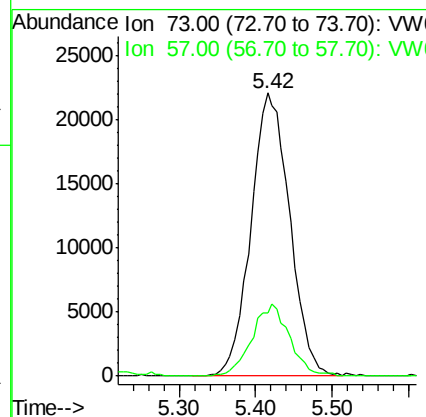
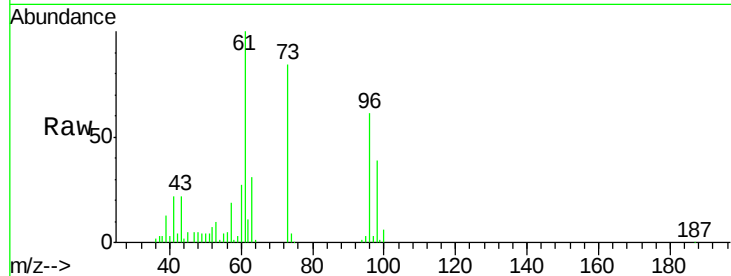
#19  
Methvl tert-butvl Ether  
Concen: 19.965 ug/l  
RT: 5.42 min Scan# 576  
Delta R.T. -0.01 min  
Lab File: VW012633.D  
Acq: 05 Sep 2019 11:49

Instrument :  
MSVOA\_W  
ClientSampled :  
VW0905SBS01

Tot Ion: 73 Resp: 77733  
Ion Ratio Lower Upper  
73 100  
57 22.4 18.9 28.3

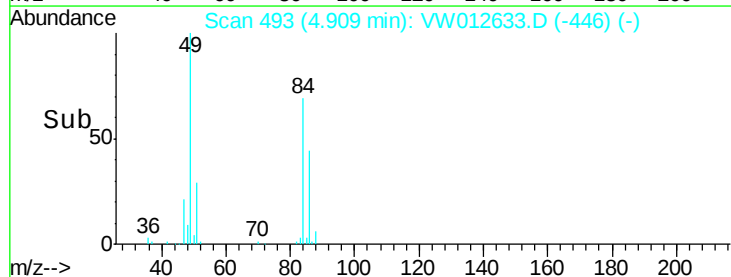
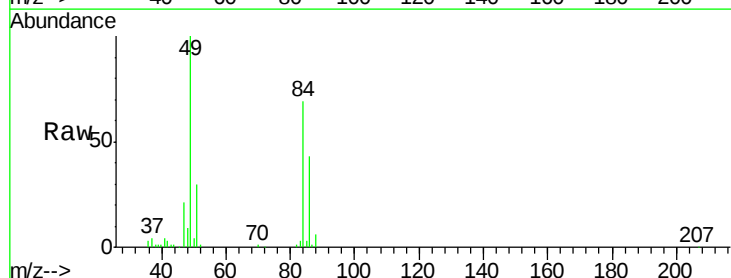
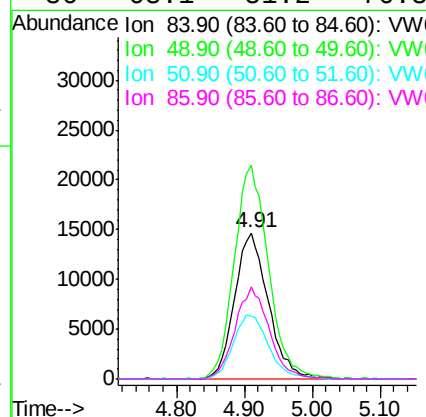
Manual Integrations  
APPROVED

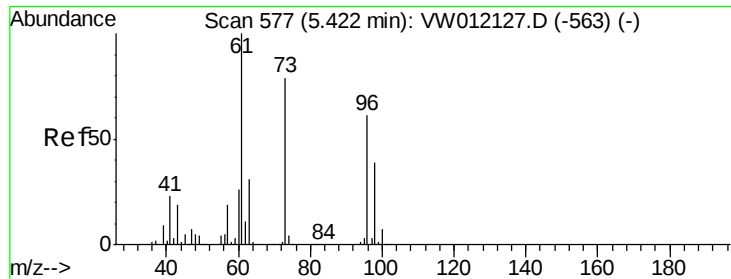
MMDadoda  
9/6/2019 12:29:11 PM



#20  
Methylene Chloride  
Concen: 18.306 ug/l  
RT: 4.91 min Scan# 493  
Delta R.T. -0.01 min  
Lab File: VW012633.D  
Acq: 05 Sep 2019 11:49

Tgt Ion: 84 Resp: 50478  
Ion Ratio Lower Upper  
84 100  
49 145.8 117.8 176.8  
51 43.2 35.6 53.4  
86 63.1 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 18.508 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012633.D

Acq: 05 Sep 2019 11:49

Instrument :

MSVOA\_W

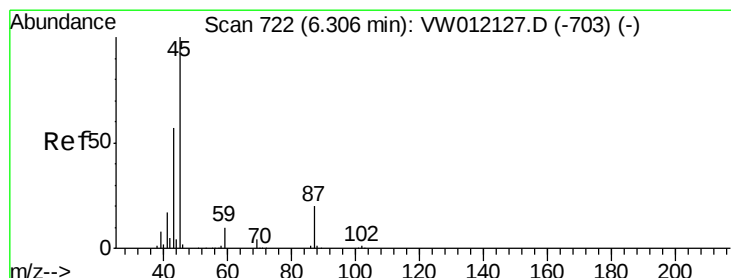
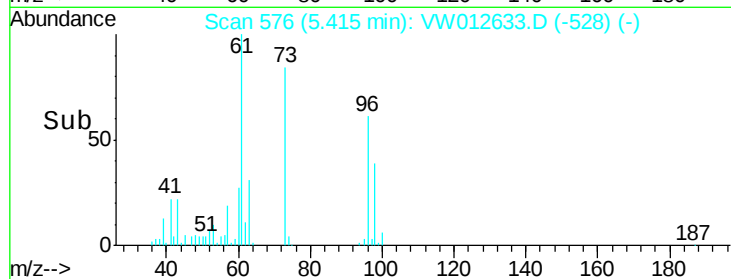
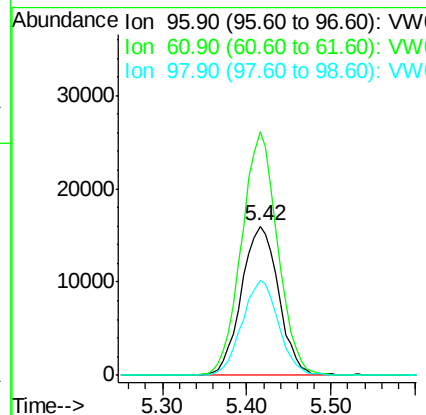
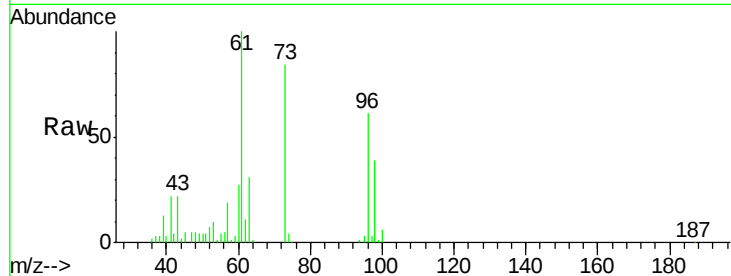
ClientSampleId :

VW0905SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 47784 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 163.5 | 131.4 | 197.0 |
| 98       | 64.1  | 51.4  | 77.0  |

Manual Integrations  
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9/6/2019 12:29:11 PM



#22

Diisopropyl ether

Concen: 20.013 ug/l

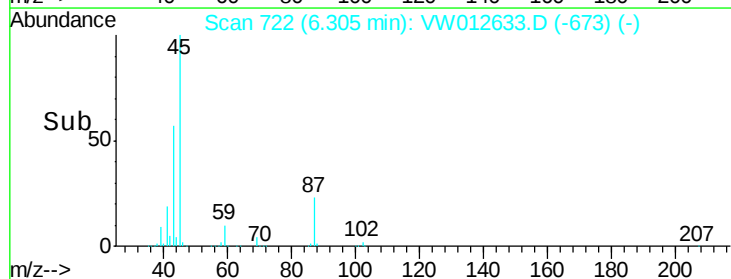
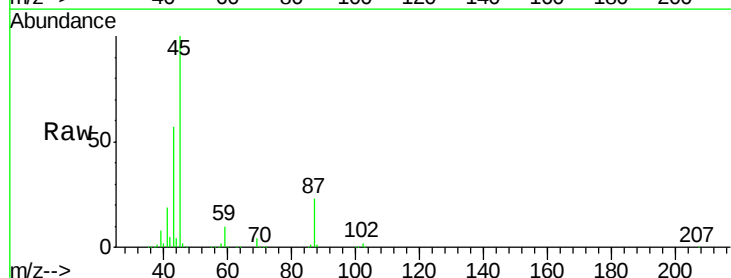
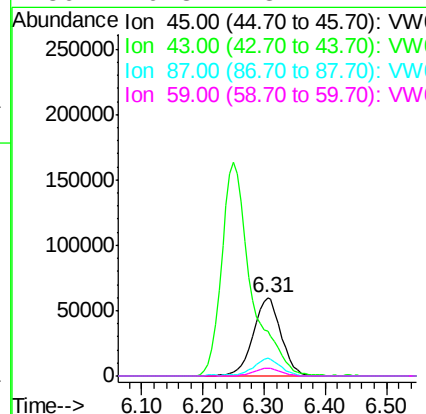
RT: 6.31 min Scan# 722

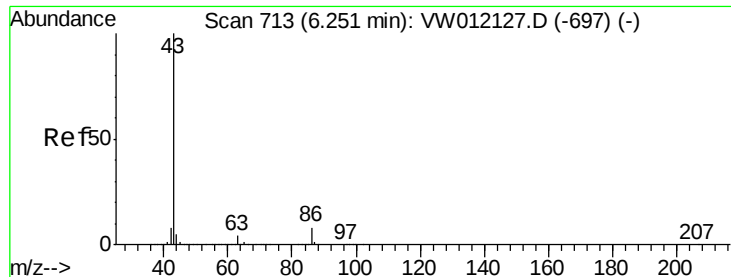
Delta R.T. -0.00 min

Lab File: VW012633.D

Acq: 05 Sep 2019 11:49

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 190940 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 56.4  | 45.5  | 68.3   |
| 87       | 22.6  | 16.1  | 24.1   |
| 59       | 10.3  | 8.2   | 12.2   |





#23

Vinyl Acetate

Concen: 93.160 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012633.D

Acq: 05 Sep 2019 11:49

Instrument :

MSVOA\_W

ClientSampled :

VW0905SBS01

Tot Ion: 43 Resp: 546994

Ion Ratio Lower Upper

43 100

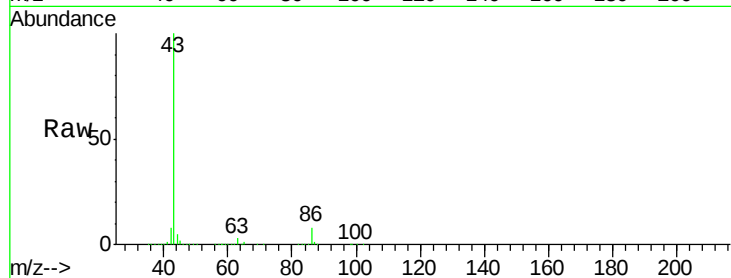
86 8.2 6.5 9.7

Manual Integrations

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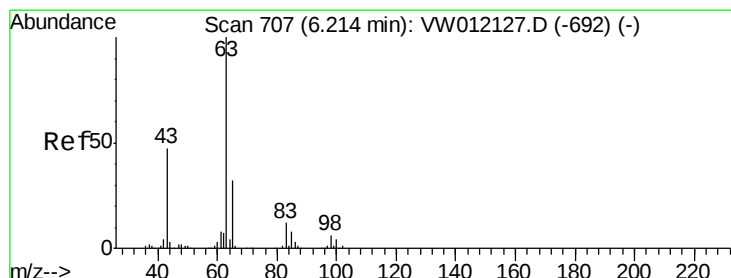
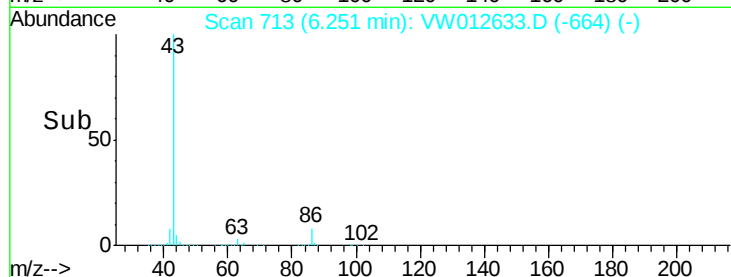
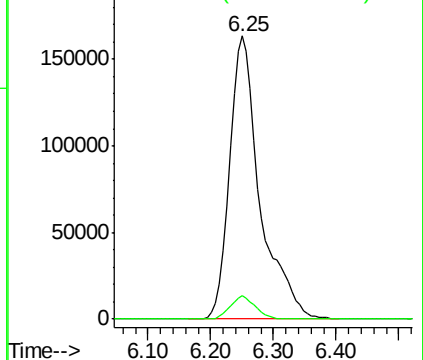
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 20.392 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012633.D

Acq: 05 Sep 2019 11:49

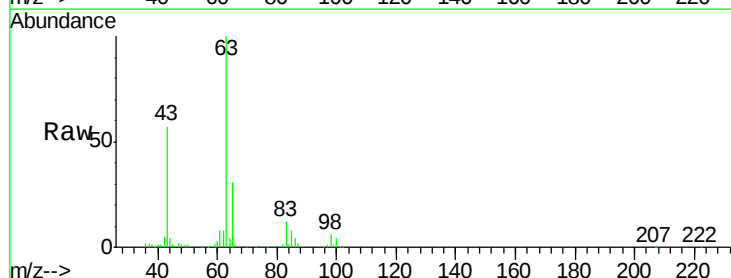
Tgt Ion: 63 Resp: 105931

Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

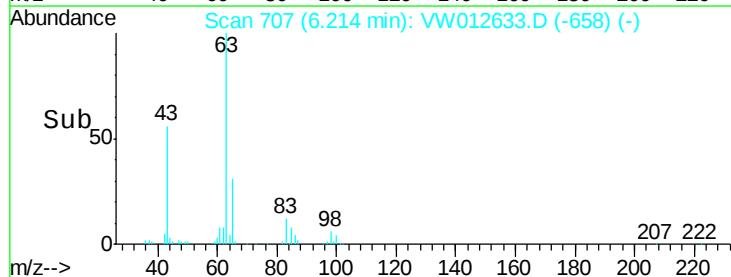
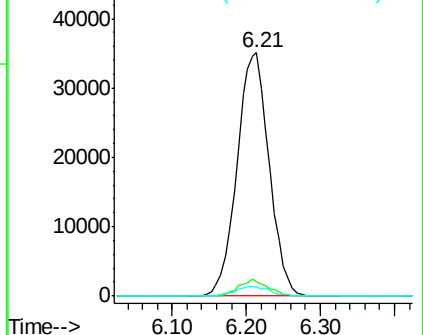
100 4.1 2.0 6.0

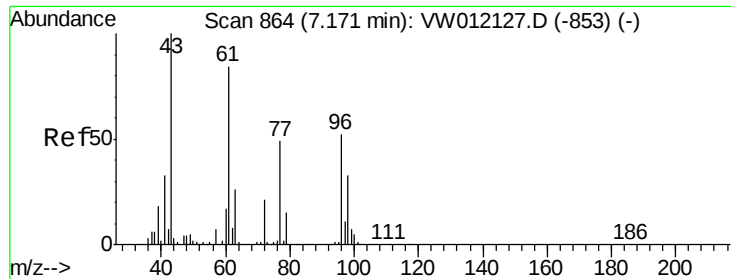


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 90.753 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012633.D

Acq: 05 Sep 2019 11:49

Instrument :

MSVOA\_W

ClientSampleId :

VW0905SBS01

Tot Ion: 43 Resp: 89951

Ion Ratio Lower Upper

43 100

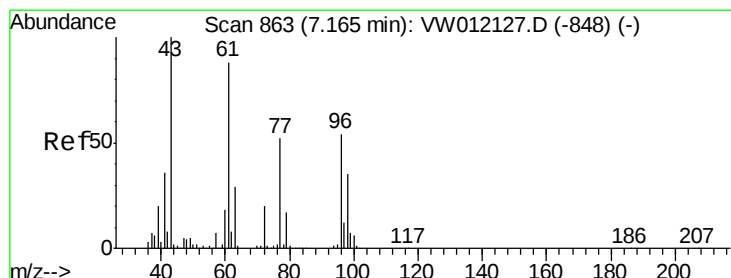
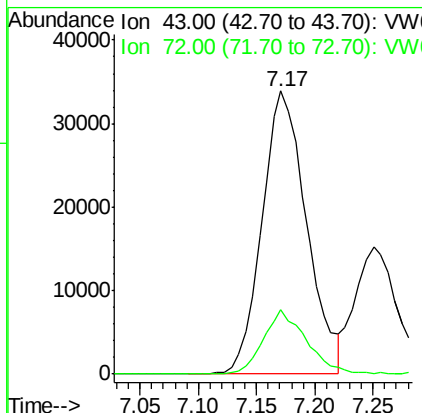
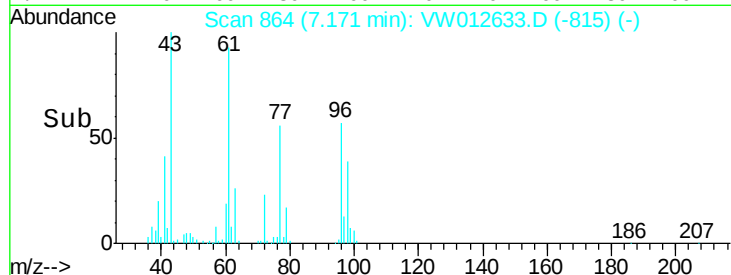
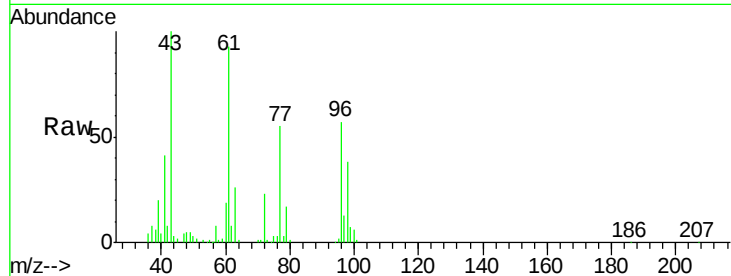
72 22.7 16.6 24.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 22.233 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW012633.D

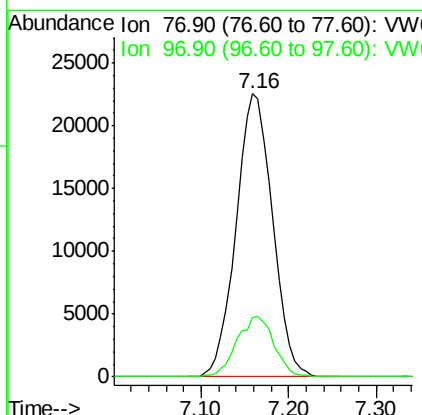
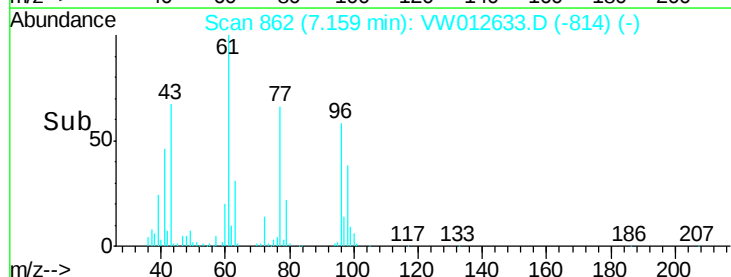
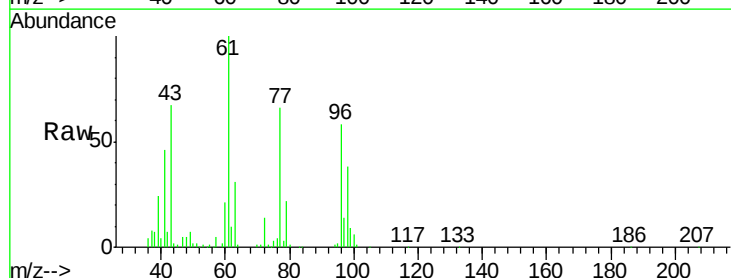
Acq: 05 Sep 2019 11:49

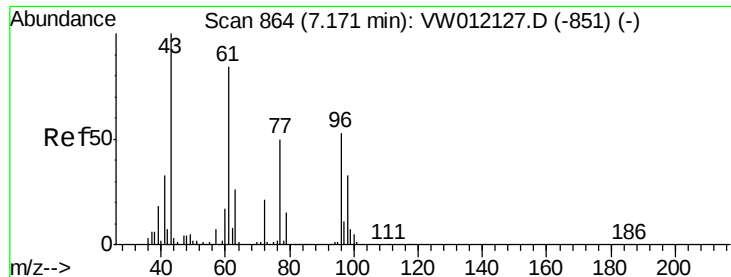
Tgt Ion: 77 Resp: 65372

Ion Ratio Lower Upper

77 100

97 21.6 11.1 33.1





#27

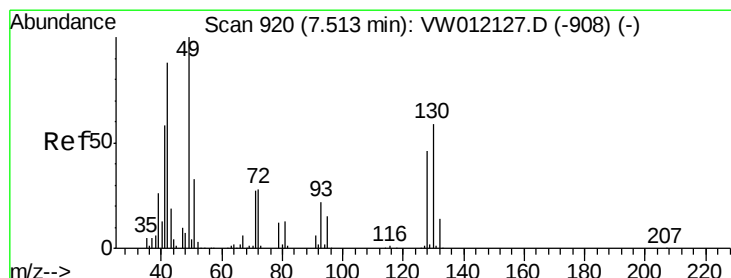
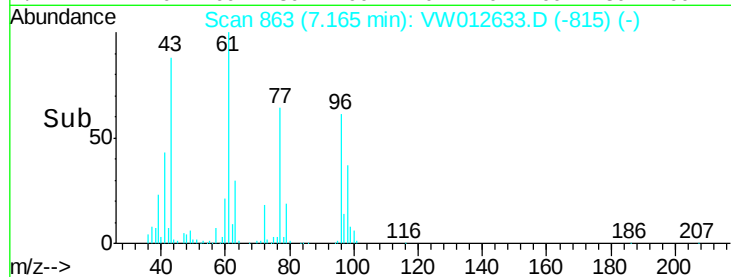
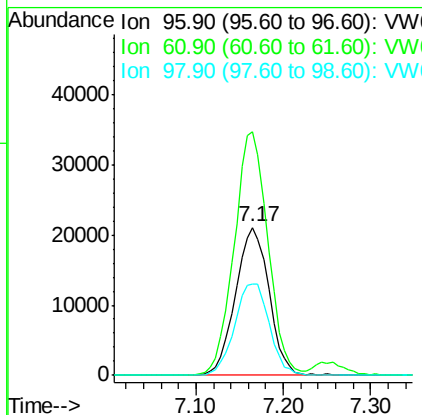
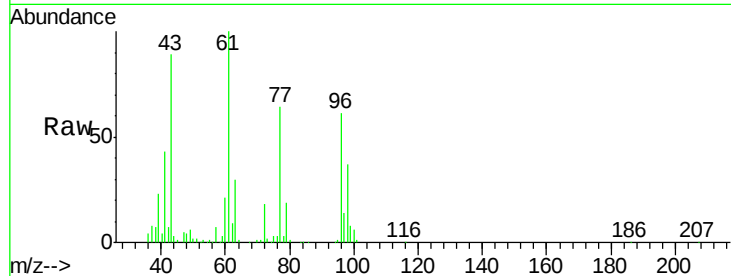
cis-1,2-Dichloroethene  
Concen: 20.375 ug/l  
RT: 7.17 min Scan# 863  
Delta R.T. -0.01 min  
Lab File: VW012633.D  
Acq: 05 Sep 2019 11:49

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0905SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 165.0 | 0.0   | 326.6 |
| 98      | 64.0  | 0.0   | 127.4 |

Manual Integrations  
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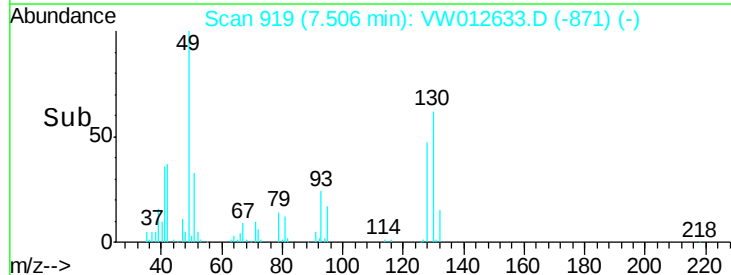
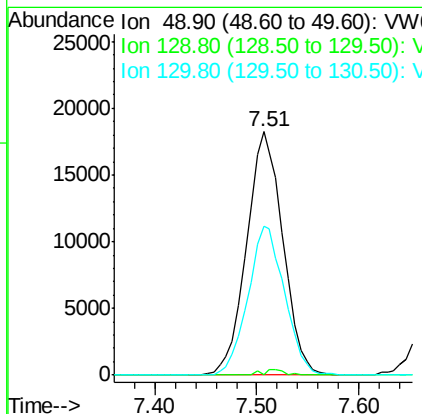
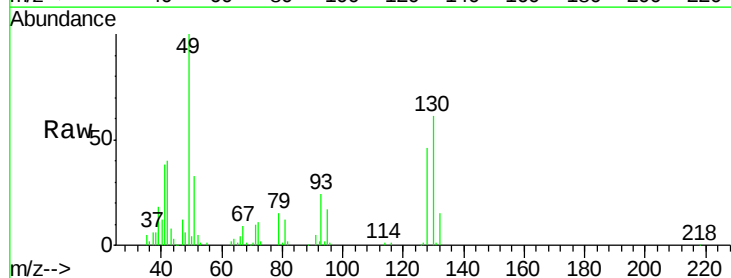
MMDadoda  
9/6/2019 12:29:11 PM

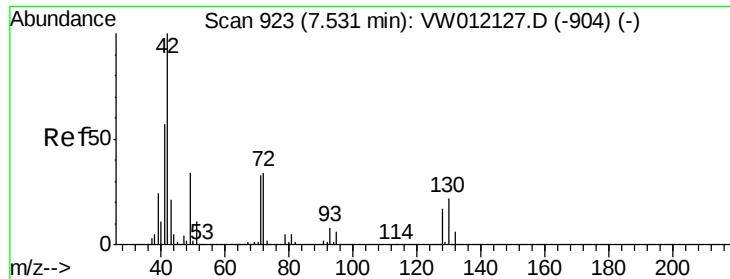


#28

Bromochloromethane  
Concen: 19.920 ug/l  
RT: 7.51 min Scan# 919  
Delta R.T. -0.01 min  
Lab File: VW012633.D  
Acq: 05 Sep 2019 11:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 1.3   | 0.0   | 1.4   |
| 130     | 61.5  | 45.5  | 68.3  |





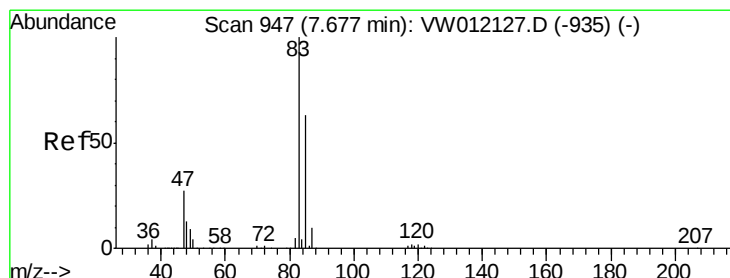
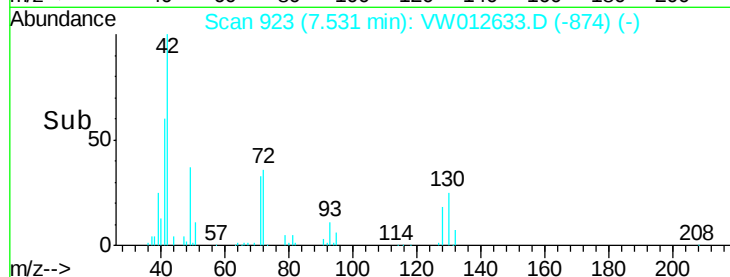
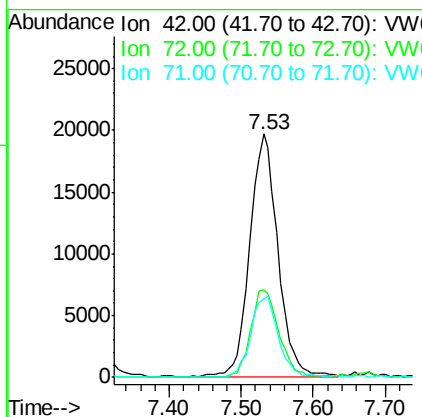
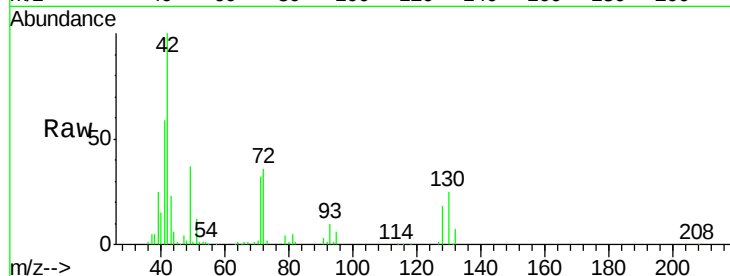
#29  
Tetrahydrofuran  
Concen: 90.661 ug/l  
RT: 7.53 min Scan# 923  
Delta R.T. -0.00 min  
Lab File: VW012633.D  
Acq: 05 Sep 2019 11:49

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0905SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 35.7  | 27.3  | 40.9  |
| 71      | 32.0  | 25.5  | 38.3  |

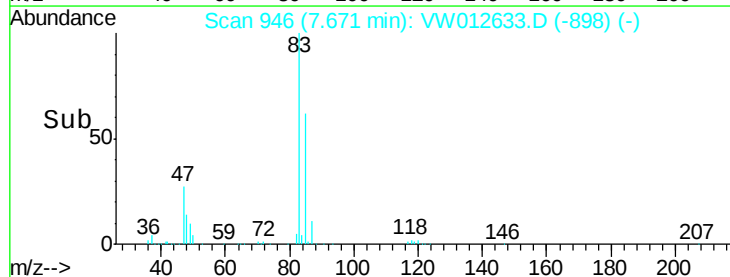
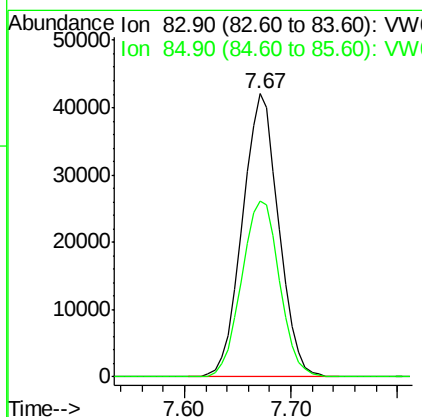
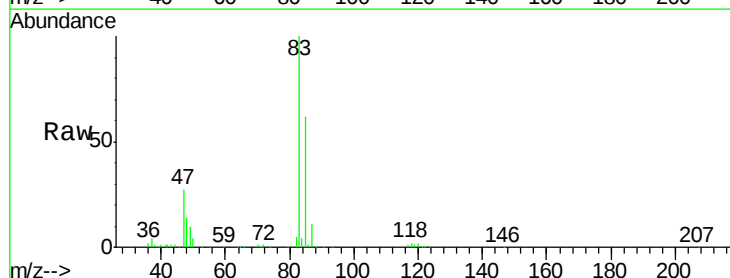
Manual Integrations  
APPROVED

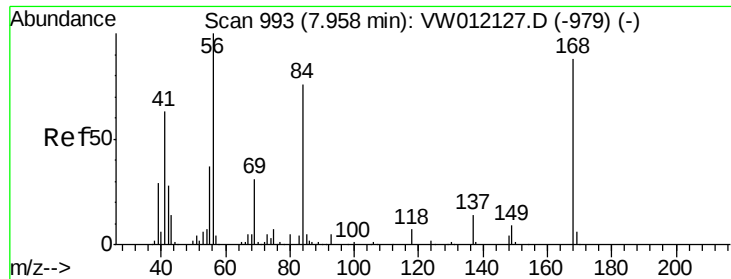
MMDadoda  
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#30  
Chloroform  
Concen: 21.181 ug/l  
RT: 7.67 min Scan# 946  
Delta R.T. -0.01 min  
Lab File: VW012633.D  
Acq: 05 Sep 2019 11:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 62.0  | 50.6  | 76.0  |





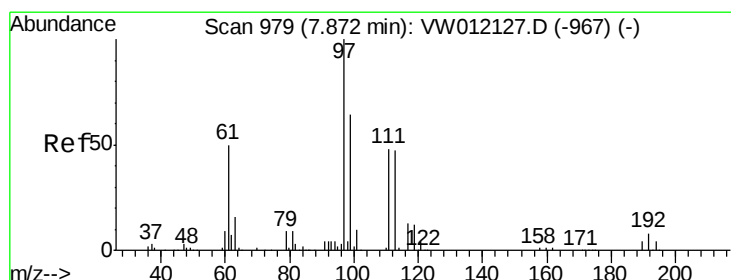
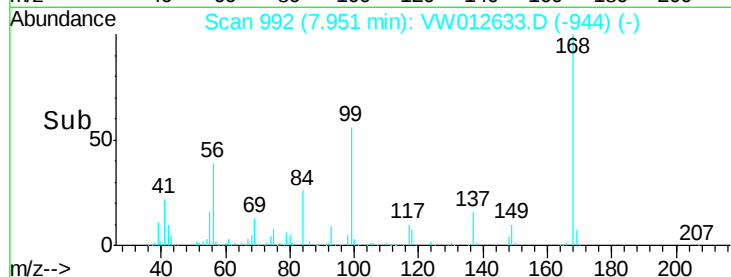
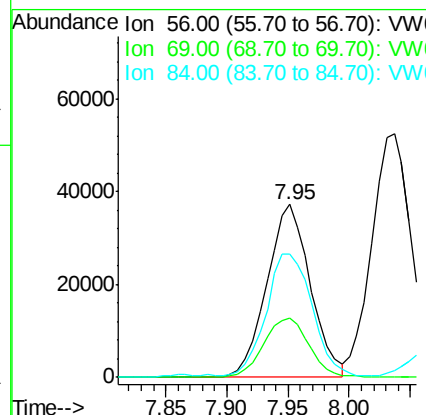
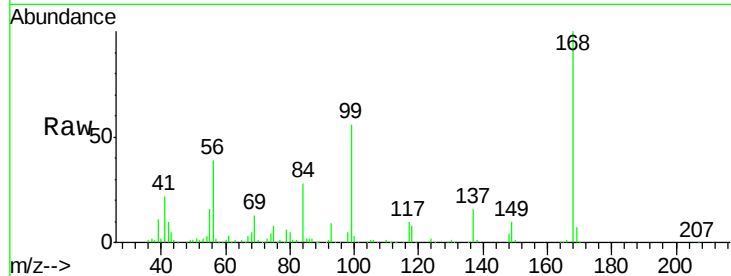
#31  
Cyclohexane  
Concen: 17.923 ug/l  
RT: 7.95 min Scan# 992  
Delta R.T. -0.01 min  
Lab File: VW012633.D  
Acq: 05 Sep 2019 11:49

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0905SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 34.4  | 24.9  | 37.3  |
| 84      | 70.4  | 60.6  | 90.8  |

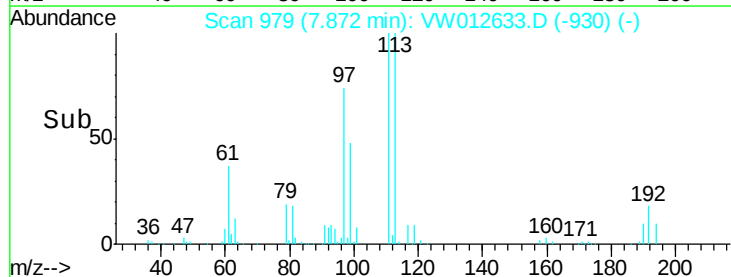
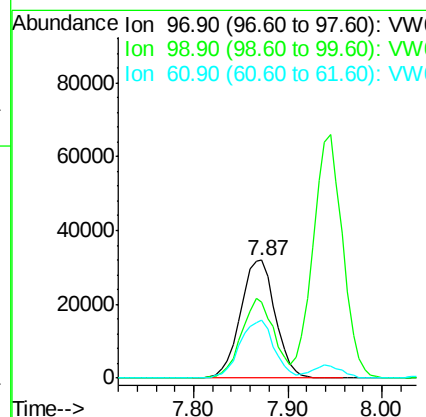
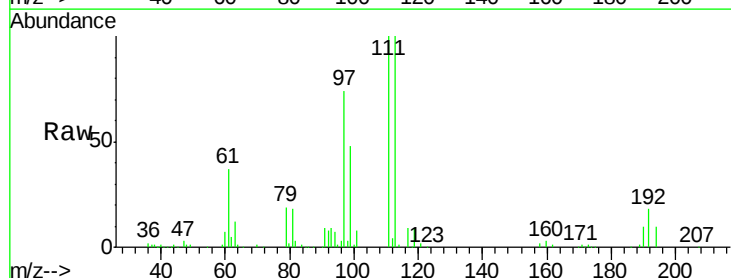
Manual Integrations  
APPROVED

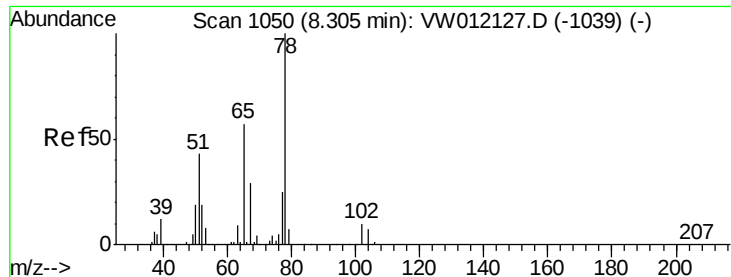
MMDadoda  
9/6/2019 12:29:11 PM



#32  
1,1,1-Trichloroethane  
Concen: 21.960 ug/l  
RT: 7.87 min Scan# 979  
Delta R.T. -0.00 min  
Lab File: VW012633.D  
Acq: 05 Sep 2019 11:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 63.9  | 51.4  | 77.0  |
| 61      | 48.1  | 39.5  | 59.3  |





#33

1,2-Dichloroethane-d4

Concen: 49.957 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012633.D

Acq: 05 Sep 2019 11:49

Instrument :

MSVOA\_W

ClientSampleId :

VW0905SBS01

Tot Ion: 65 Resp: 142549

Ion Ratio Lower Upper

65 100

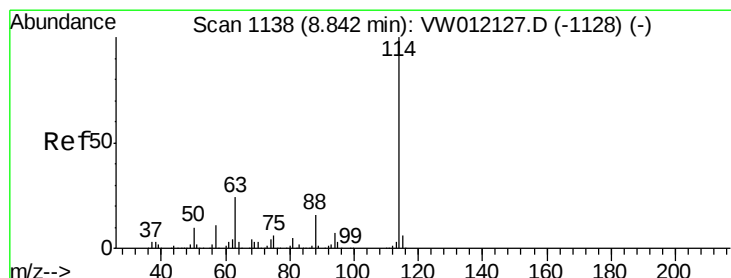
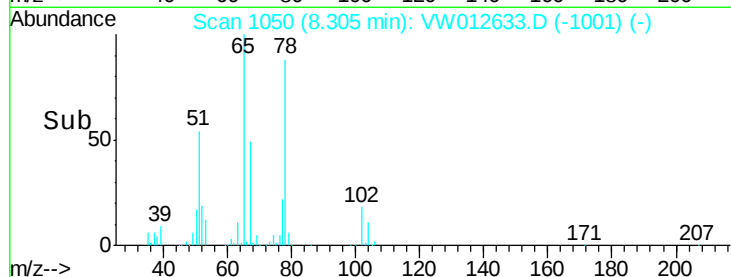
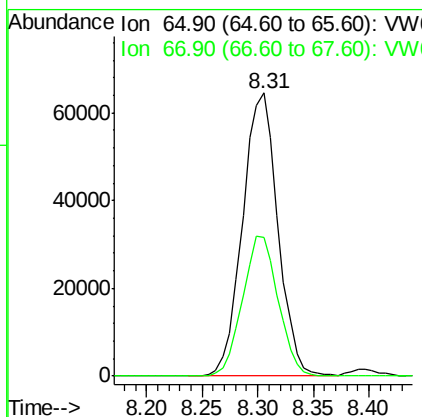
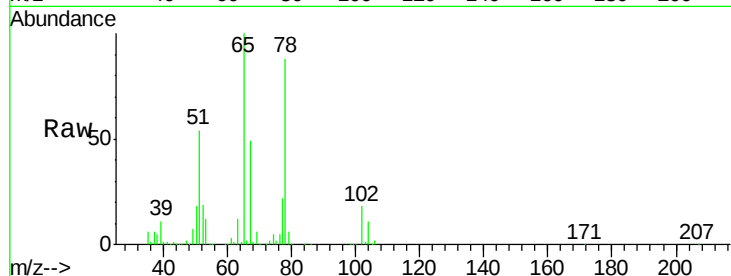
67 50.1 0.0 102.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW012633.D

Acq: 05 Sep 2019 11:49

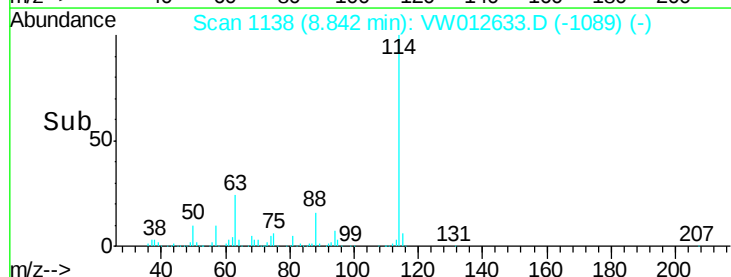
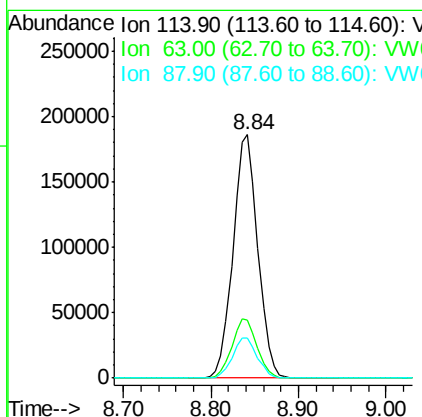
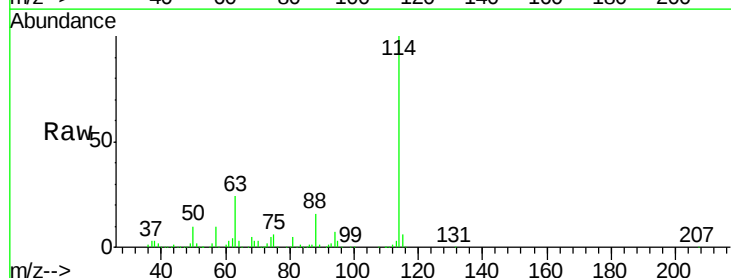
Tgt Ion: 114 Resp: 365357

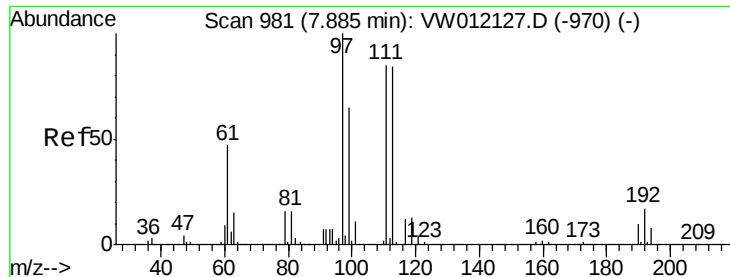
Ion Ratio Lower Upper

114 100

63 23.7 0.0 48.6

88 16.4 0.0 32.2





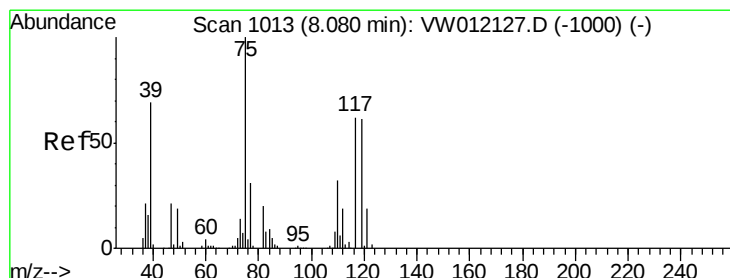
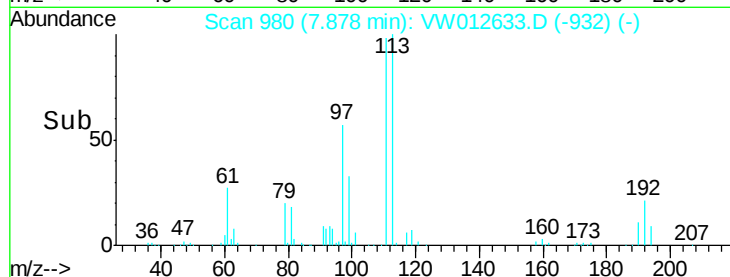
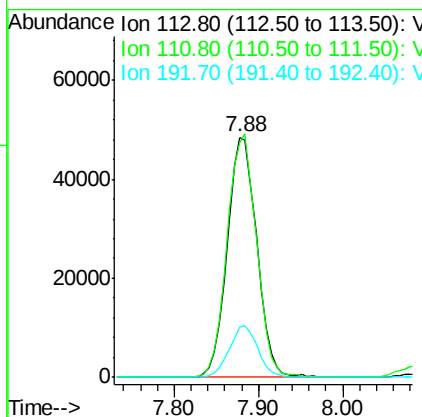
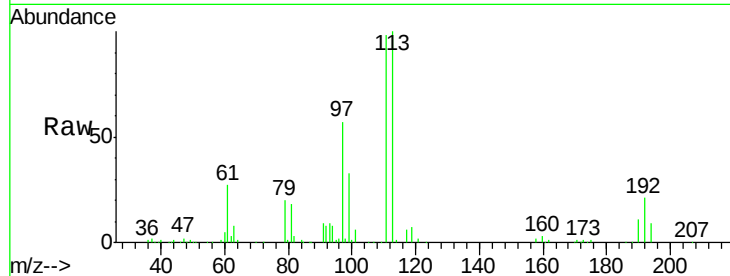
#35  
 Dibromofluoromethane  
 Concen: 52.896 ug/l  
 RT: 7.88 min Scan# 980  
 Delta R.T. -0.01 min  
 Lab File: VW012633.D  
 Acq: 05 Sep 2019 11:49

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0905SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 115358 |       |       |
| 111     | 100.9 | 82.7   | 124.1 |       |
| 192     | 20.6  | 16.2   | 24.2  |       |

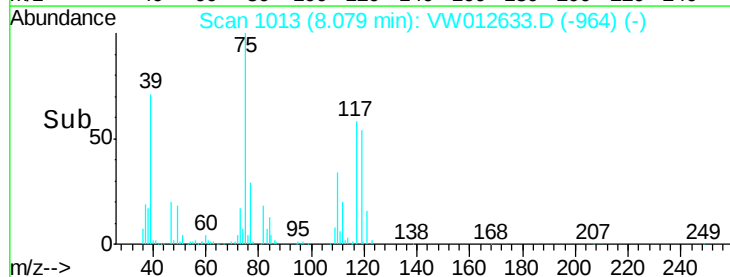
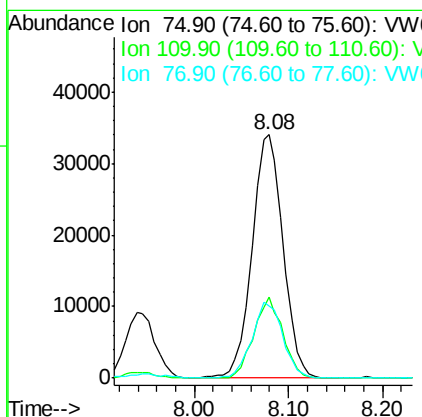
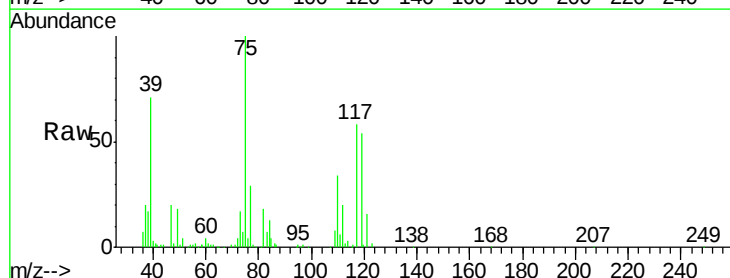
Manual Integrations  
 APPROVED

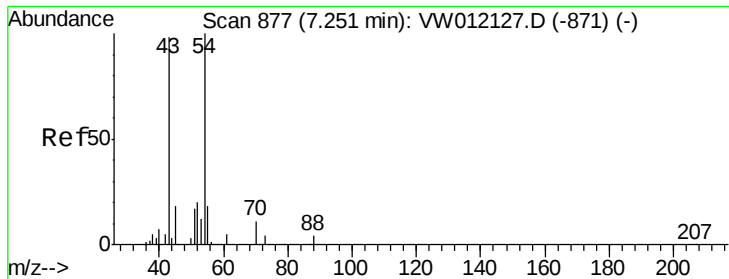
MMDadoda  
 9/6/2019 12:29:11 PM



#36  
 1,1-Dichloropropene  
 Concen: 20.898 ug/l  
 RT: 8.08 min Scan# 1013  
 Delta R.T. -0.00 min  
 Lab File: VW012633.D  
 Acq: 05 Sep 2019 11:49

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 78902 |       |       |
| 110     | 31.2  | 15.6  | 46.8  |       |
| 77      | 31.0  | 24.6  | 36.8  |       |





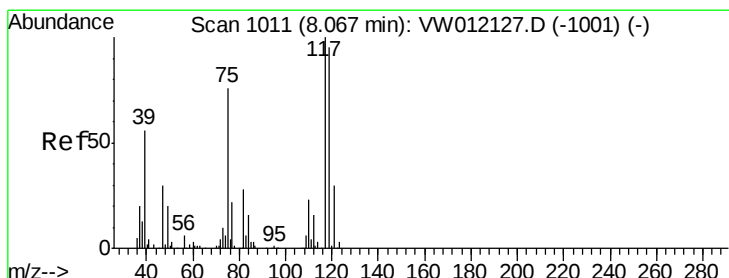
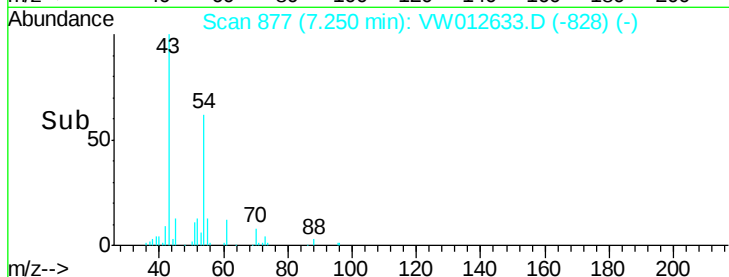
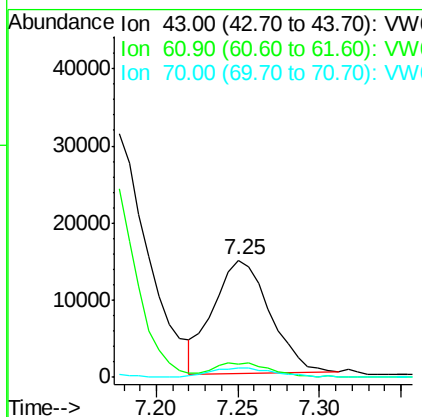
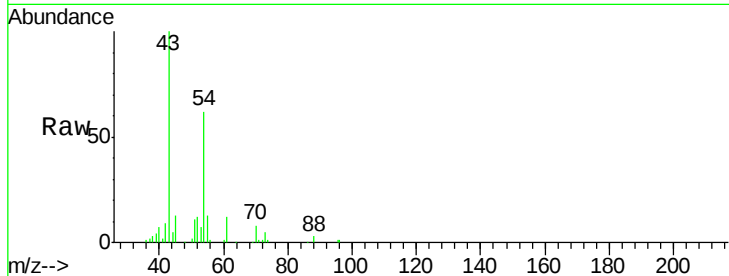
#37  
Ethyl Acetate  
Concen: 17.260 ug/l  
RT: 7.25 min Scan# 877  
Delta R.T. -0.00 min  
Lab File: VW012633.D  
Acq: 05 Sep 2019 11:49

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0905SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 12.2  | 9.2   | 13.8  |
| 70      | 10.0  | 6.9   | 10.3  |

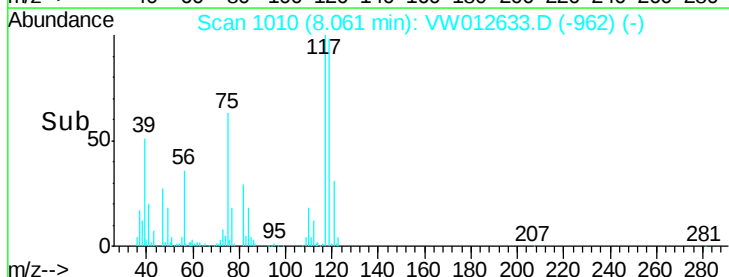
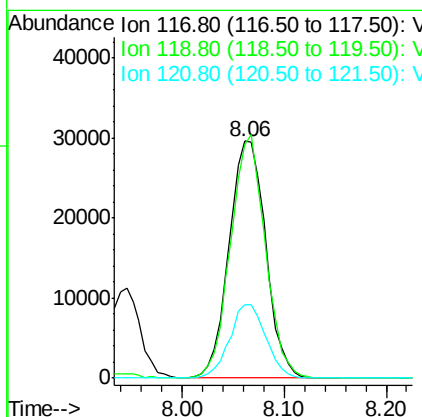
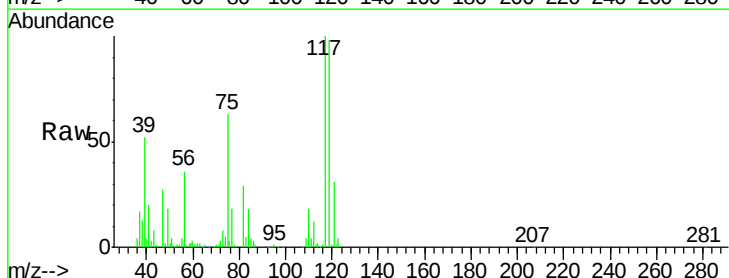
Manual Integrations  
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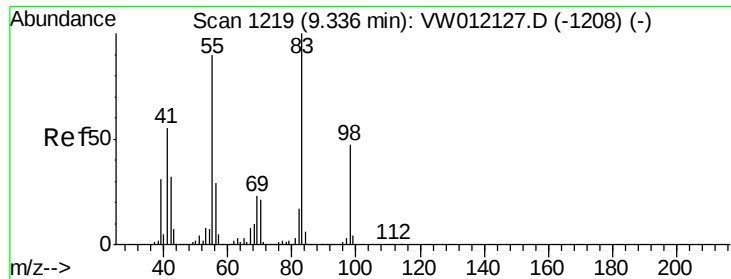
MMDadoda  
9/6/2019 12:29:11 PM



#38  
Carbon Tetrachloride  
Concen: 22.662 ug/l  
RT: 8.06 min Scan# 1010  
Delta R.T. -0.01 min  
Lab File: VW012633.D  
Acq: 05 Sep 2019 11:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 98.3  | 76.2  | 114.2 |
| 121     | 30.9  | 23.8  | 35.8  |





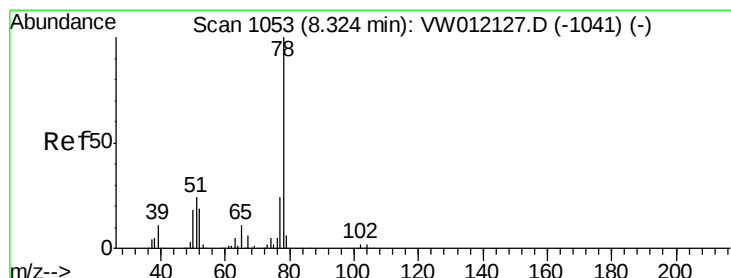
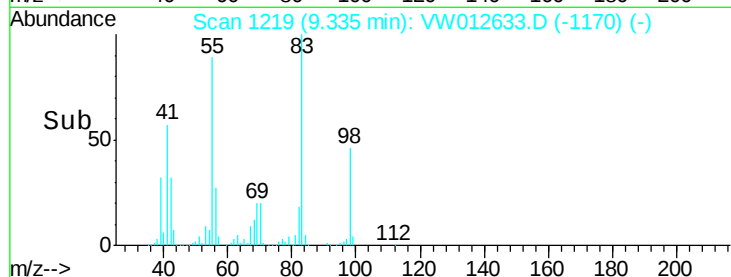
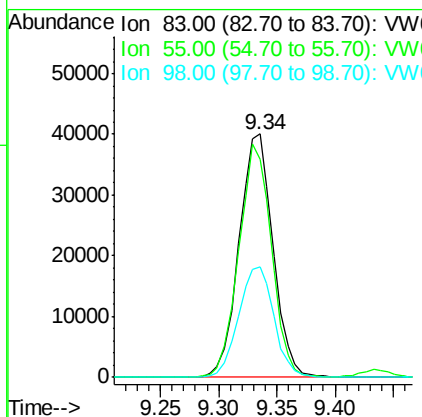
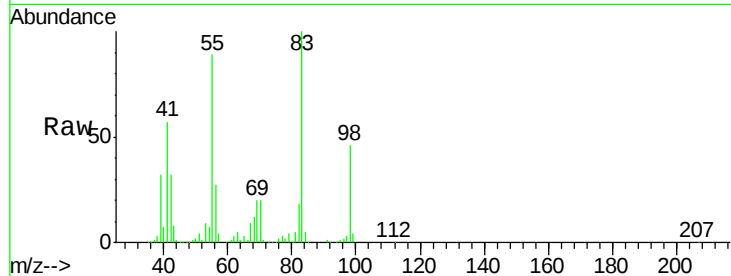
#39  
Methvlcvclohexane  
Concen: 19.187 ug/l  
RT: 9.34 min Scan# 1219  
Delta R.T. -0.00 min  
Lab File: VW012633.D  
Acq: 05 Sep 2019 11:49

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0905SBS01

| Tot Ion   | 83    | Resp  | 81383 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 55        | 89.5  | 71.8  | 107.8 |
| 98        | 45.6  | 37.8  | 56.8  |

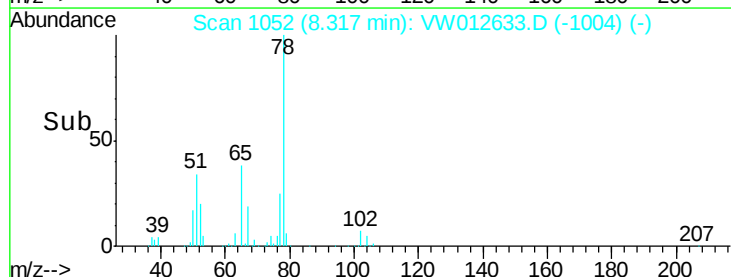
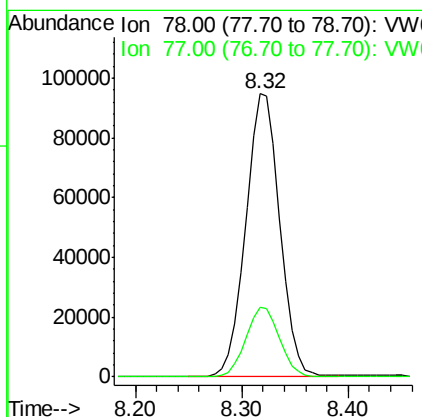
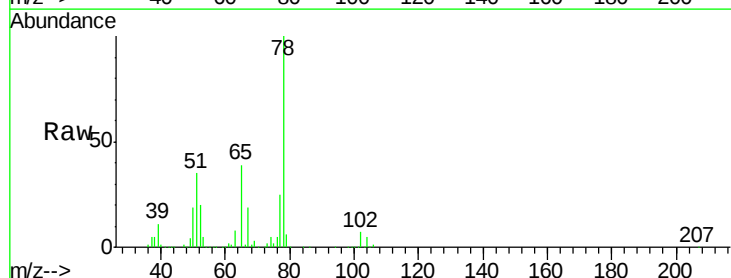
Manual Integrations  
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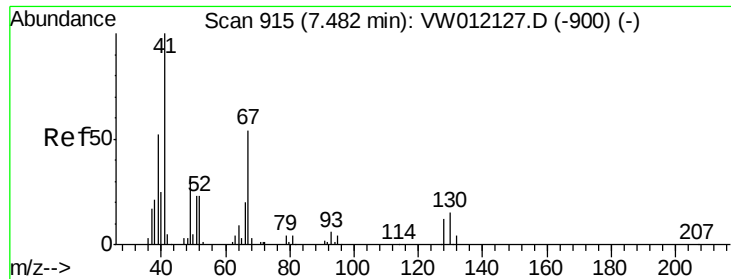
MMDadoda  
9/6/2019 12:29:11 PM



#40  
Benzene  
Concen: 20.643 ug/l  
RT: 8.32 min Scan# 1052  
Delta R.T. -0.01 min  
Lab File: VW012633.D  
Acq: 05 Sep 2019 11:49

| Tgt Ion   | 78    | Resp  | 212816 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 78        | 100   |       |        |
| 77        | 24.8  | 19.5  | 29.3   |





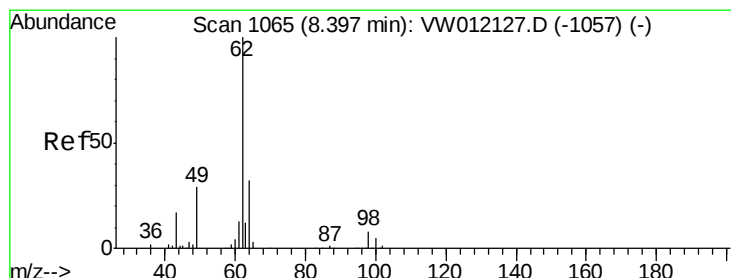
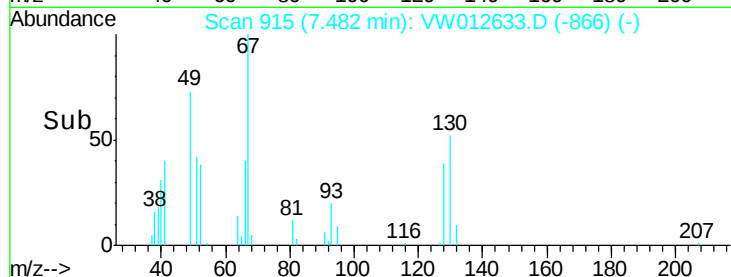
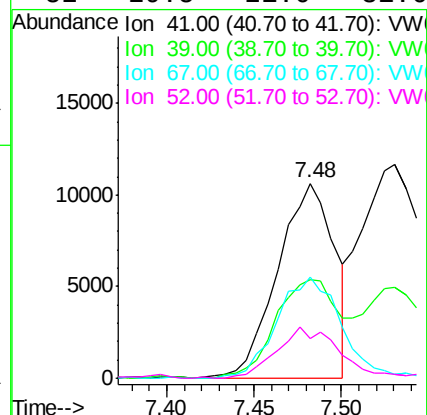
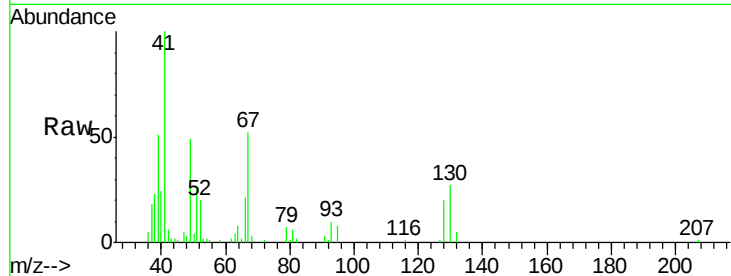
#41  
Methacrylonitrile  
Concen: 19.855 ug/l  
RT: 7.48 min Scan# 915  
Delta R.T. -0.00 min  
Lab File: VW012633.D  
Acq: 05 Sep 2019 11:49

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0905SBS01

| Tot Ion | 41    | Resp  | 24143 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 41      | 100   |       |       |
| 39      | 58.8  | 45.8  | 68.8  |
| 67      | 59.1  | 46.2  | 69.4  |
| 52      | 29.5  | 21.0  | 31.6  |

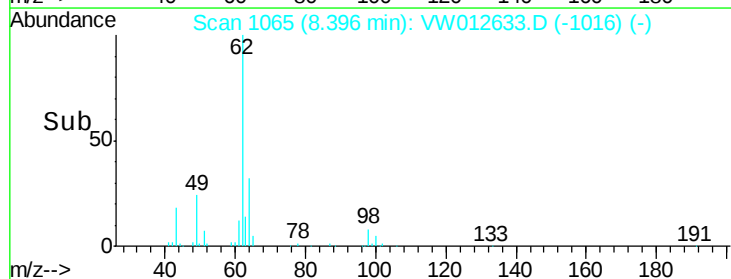
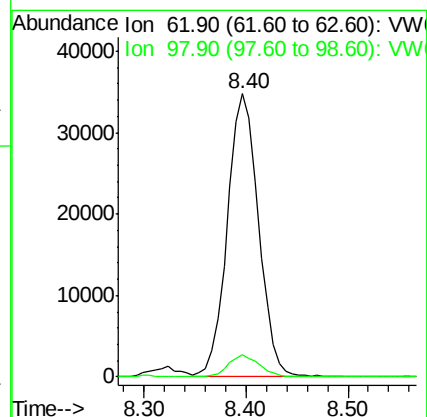
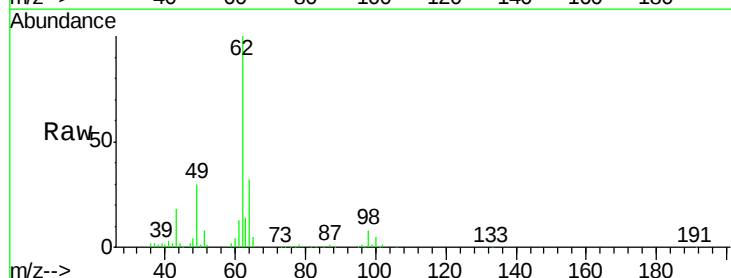
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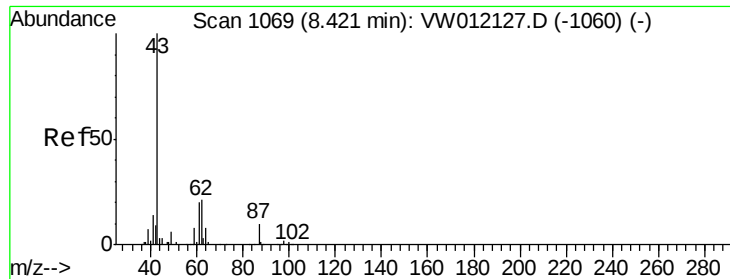
MMDadoda  
9/6/2019 12:29:11 PM



#42  
1,2-Dichloroethane  
Concen: 22.817 ug/l  
RT: 8.40 min Scan# 1065  
Delta R.T. -0.00 min  
Lab File: VW012633.D  
Acq: 05 Sep 2019 11:49

| Tgt Ion | 62    | Resp  | 73724 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 62      | 100   |       |       |
| 98      | 7.8   | 0.0   | 16.6  |





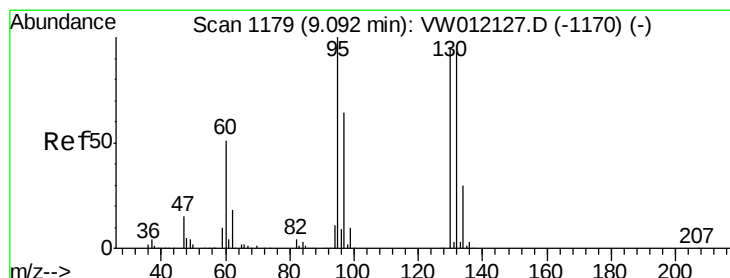
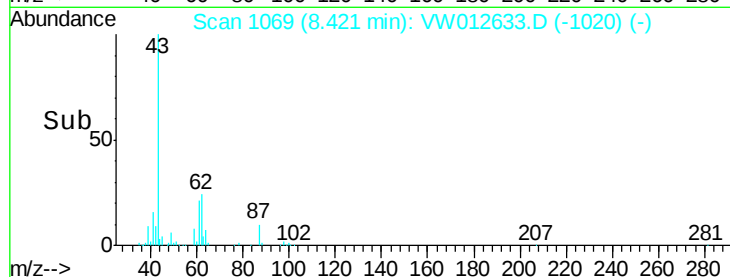
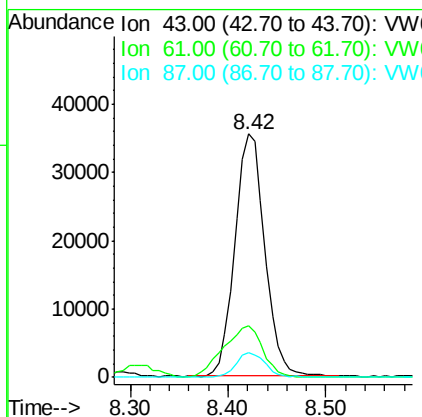
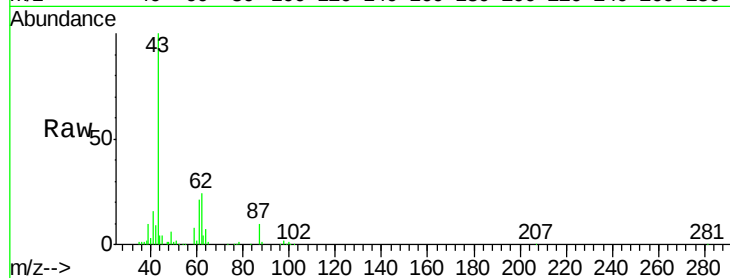
#43  
Isopropyl Acetate  
Concen: 19.680 ug/l  
RT: 8.42 min Scan# 1069  
Delta R.T. -0.00 min  
Lab File: VW012633.D  
Acq: 05 Sep 2019 11:49

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0905SBS01

| Tot Ion   | 43   | Resp  | 75420 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 43        | 100  |       |       |
| 61        | 27.9 | 21.1  | 31.7  |
| 87        | 10.3 | 8.2   | 12.2  |

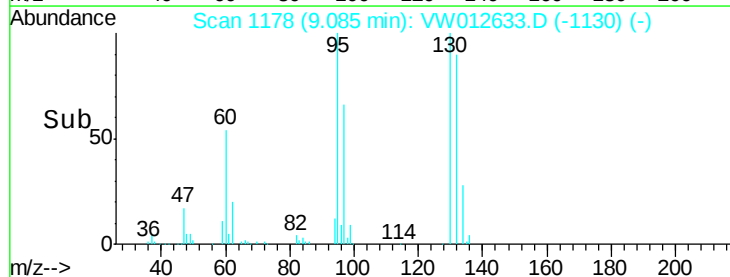
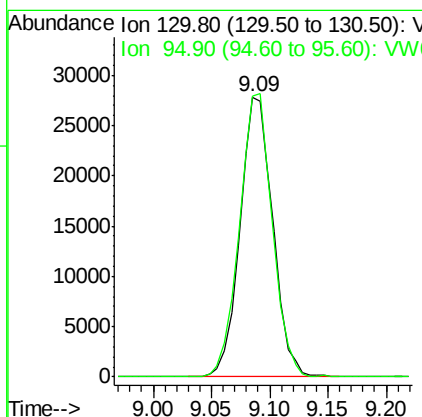
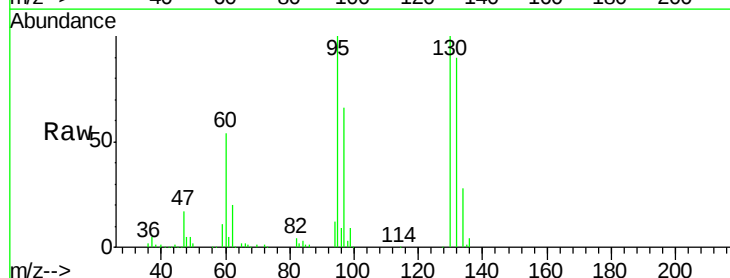
Manual Integrations  
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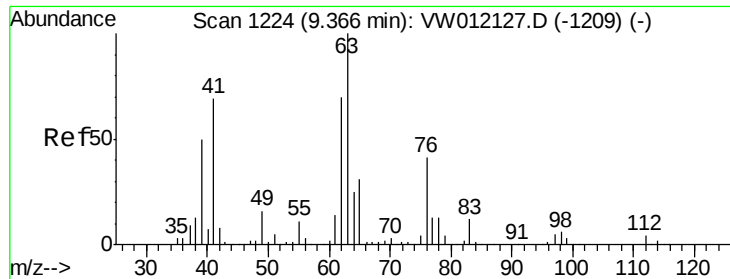
MMDadoda  
9/6/2019 12:29:11 PM



#44  
Trichloroethene  
Concen: 21.769 ug/l  
RT: 9.09 min Scan# 1178  
Delta R.T. -0.01 min  
Lab File: VW012633.D  
Acq: 05 Sep 2019 11:49

| Tgt Ion   | 130   | Resp  | 54556 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 130       | 100   |       |       |
| 95        | 100.1 | 0.0   | 210.6 |





#45

1,2-Dichloropropane

Concen: 20.629 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012633.D

Acq: 05 Sep 2019 11:49

Instrument :

MSVOA\_W

ClientSampled :

VW0905SBS01

Tot Ion: 63 Resp: 57236

Ion Ratio Lower Upper

63 100

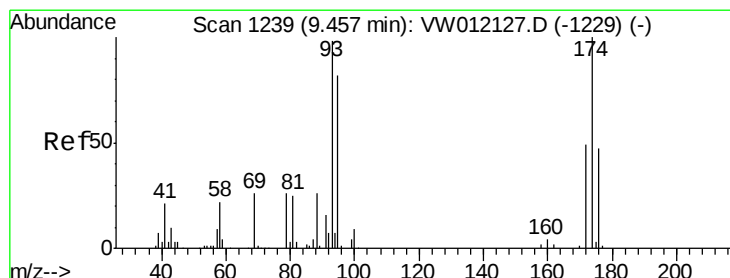
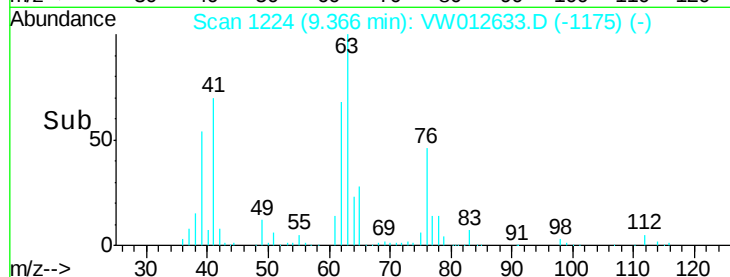
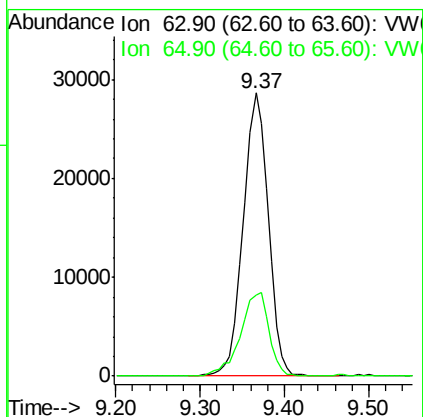
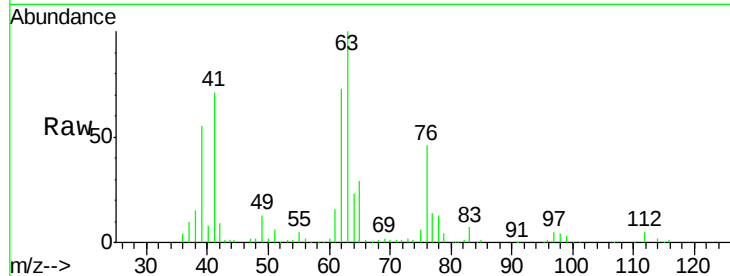
65 28.9 25.0 37.4

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#46

Dibromomethane

Concen: 21.360 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012633.D

Acq: 05 Sep 2019 11:49

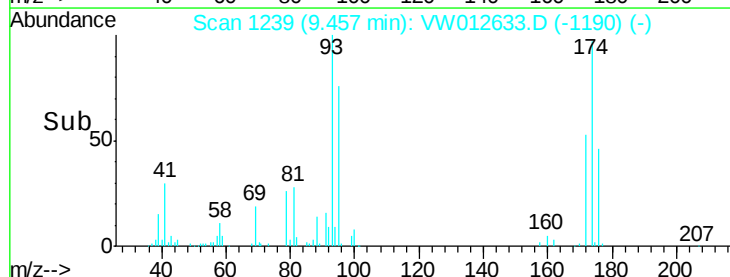
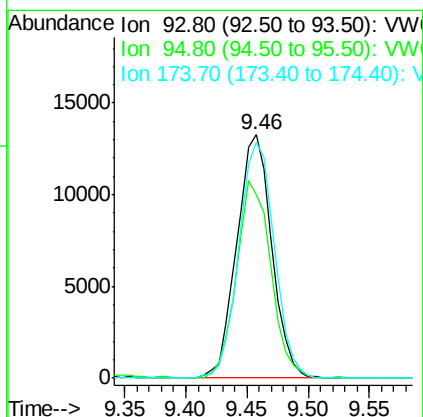
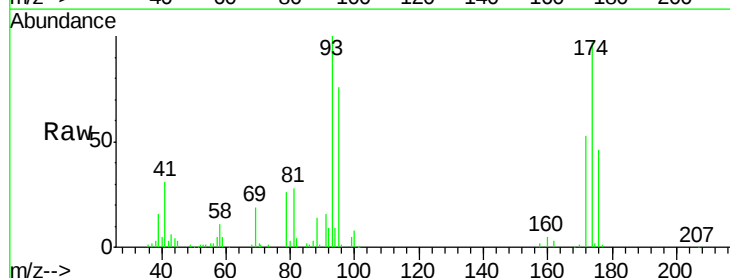
Tgt Ion: 93 Resp: 26369

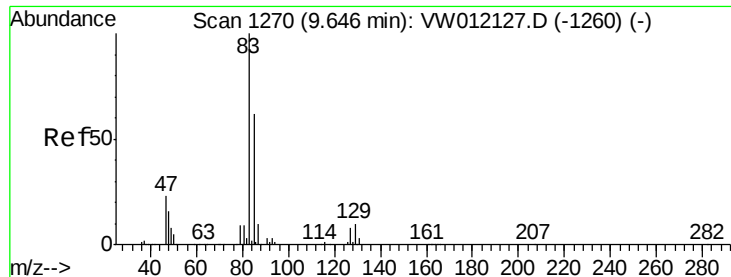
Ion Ratio Lower Upper

93 100

95 79.8 67.2 100.8

174 98.4 79.0 118.6





#47

Bromodichloromethane

Concen: 22.329 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012633.D

Acq: 05 Sep 2019 11:49

Instrument :

MSVOA\_W

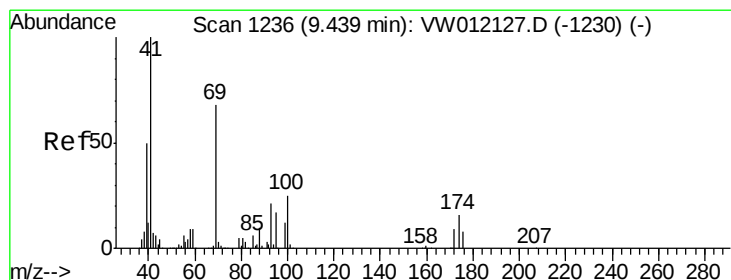
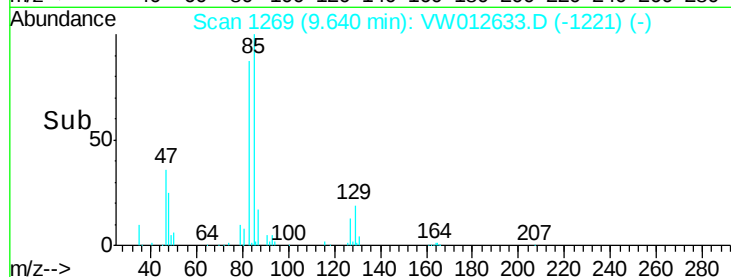
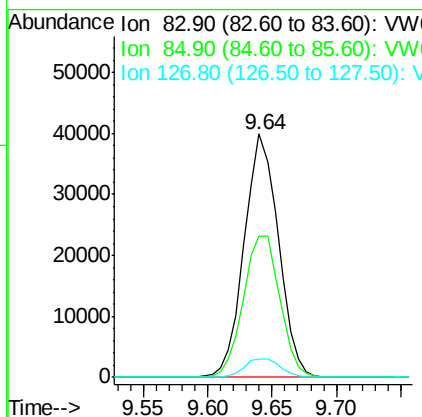
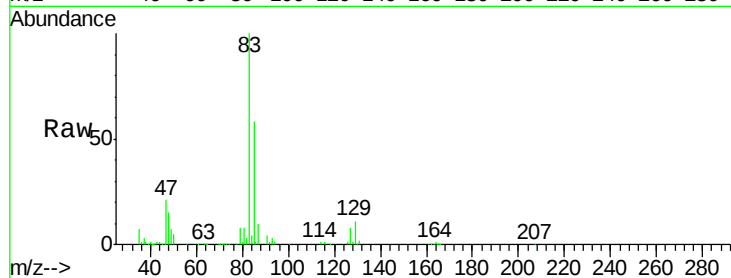
ClientSampleId :

VW0905SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 73361 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 58.0  | 49.4  | 74.2  |
| 127      | 7.5   | 6.1   | 9.1   |

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#48

Methyl methacrylate

Concen: 19.725 ug/l

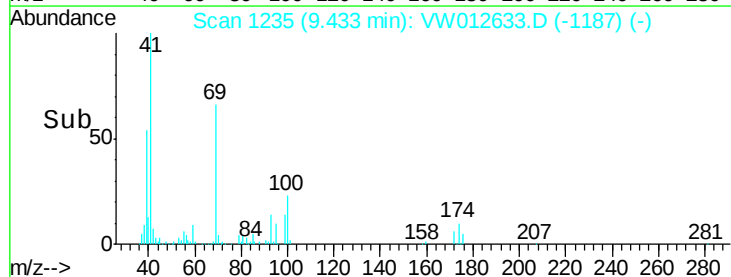
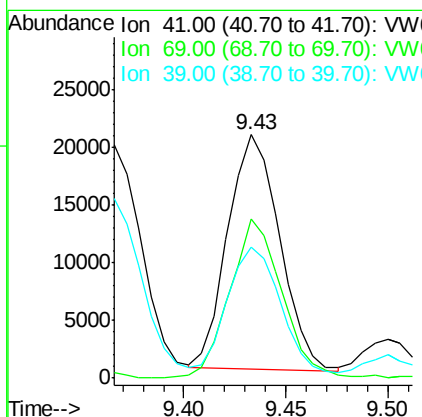
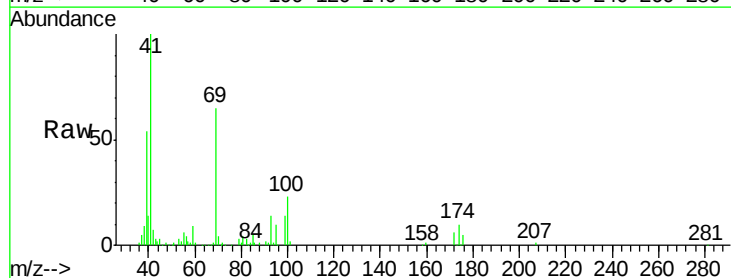
RT: 9.43 min Scan# 1235

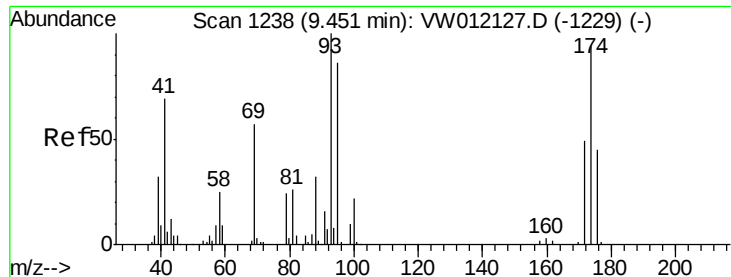
Delta R.T. -0.01 min

Lab File: VW012633.D

Acq: 05 Sep 2019 11:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 35978 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 68.7  | 56.7  | 85.1  |
| 39       | 53.6  | 42.0  | 63.0  |





#49

1,4-Dioxane

Concen: 383.098 ug/l

RT: 9.47 min Scan# 1241

Delta R.T. 0.02 min

Lab File: VW012633.D

Acq: 05 Sep 2019 11:49

Instrument :

MSVOA\_W

ClientSampleId :

VW0905SBS01

Tot Ion: 88 Resp: 7240

Ion Ratio Lower Upper

88 100

43 0.0 32.9 49.3#

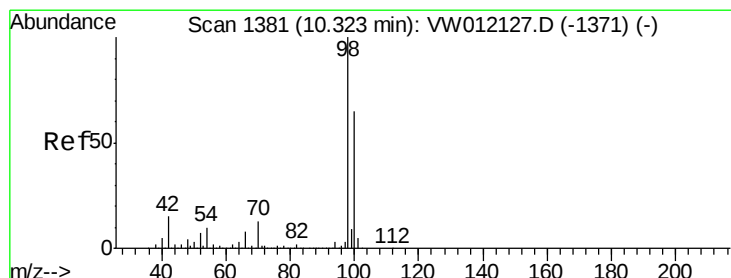
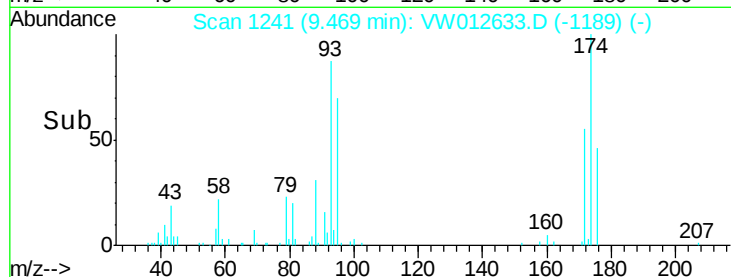
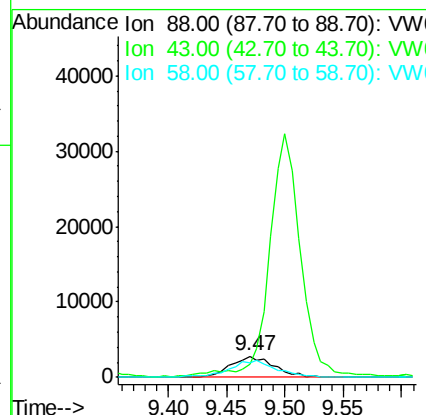
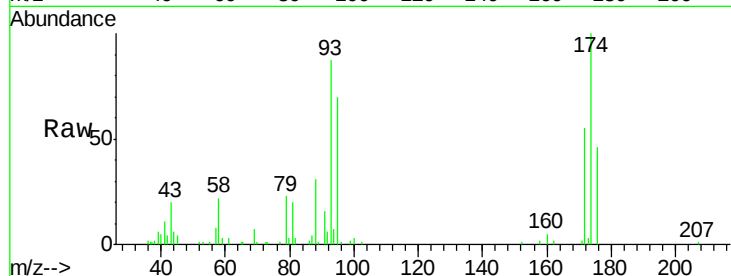
58 87.1 71.0 106.4

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#50

Toluene-d8

Concen: 50.769 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012633.D

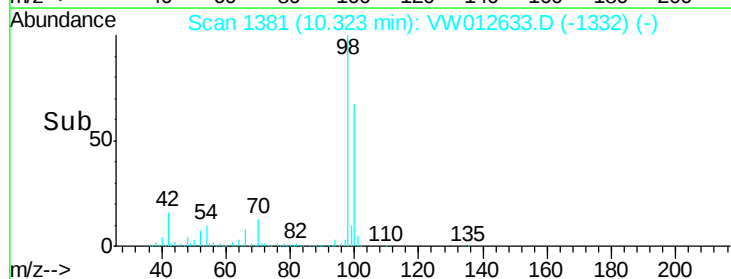
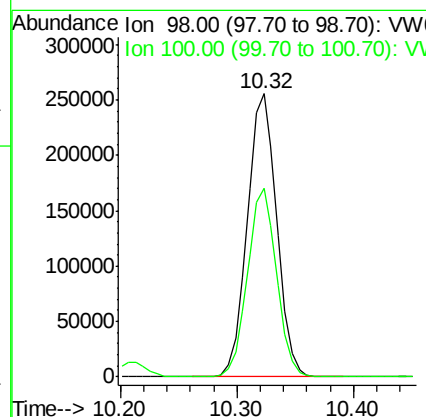
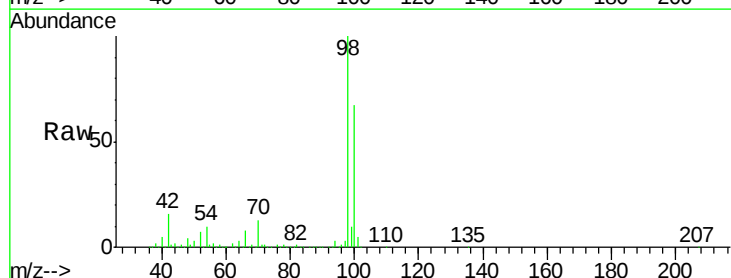
Acq: 05 Sep 2019 11:49

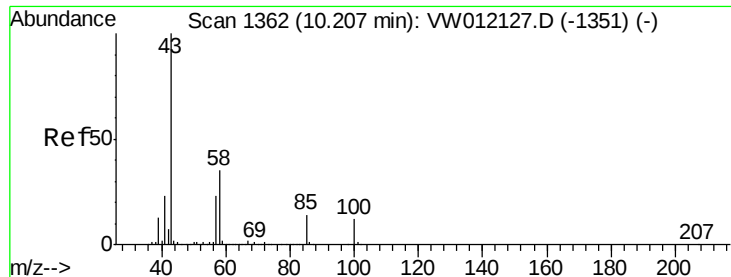
Tgt Ion: 98 Resp: 448927

Ion Ratio Lower Upper

98 100

100 65.6 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 98.869 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012633.D

Acq: 05 Sep 2019 11:49

Instrument :

MSVOA\_W

ClientSampleId :

VW0905SBS01

Tot Ion: 43 Resp: 192720

Ion Ratio Lower Upper

43 100

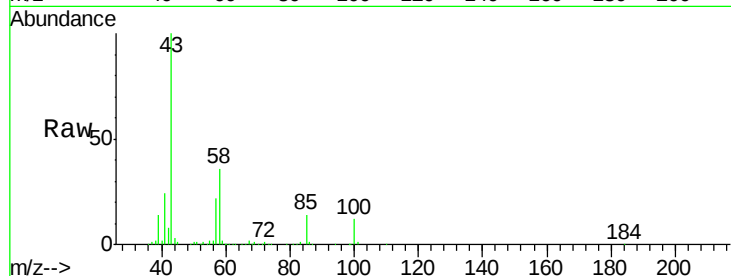
58 34.8 28.2 42.2

Manual Integrations

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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

120000

100000

80000

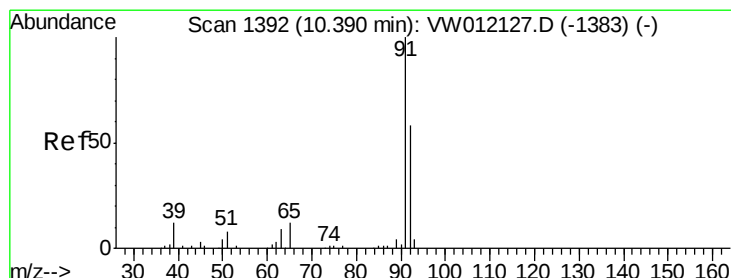
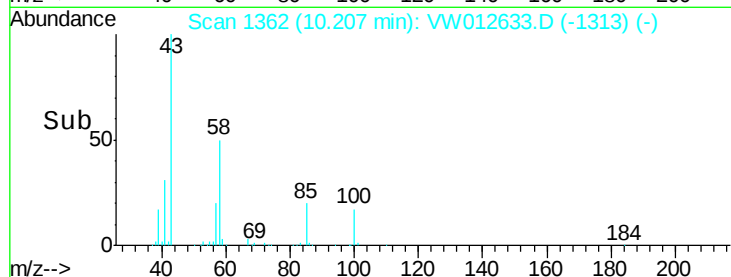
60000

40000

20000

0

Time--> 10.10 10.20 10.30



#52

Toluene

Concen: 21.349 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012633.D

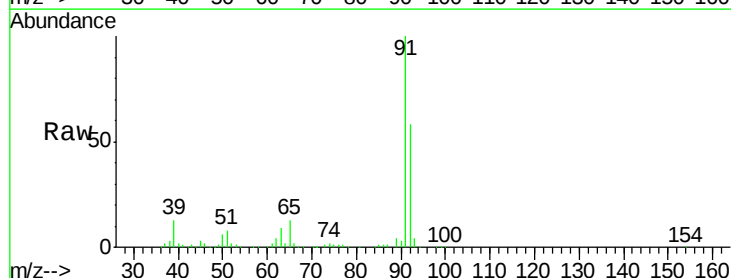
Acq: 05 Sep 2019 11:49

Tgt Ion: 92 Resp: 132222

Ion Ratio Lower Upper

92 100

91 171.2 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

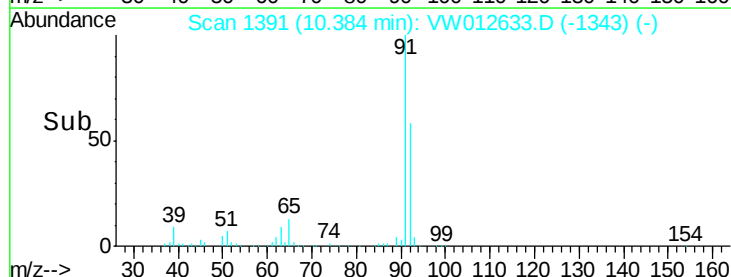
150000

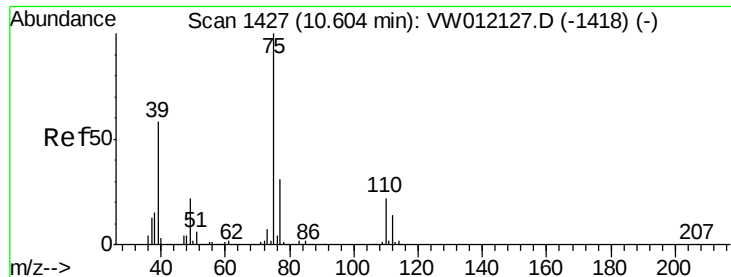
100000

50000

0

Time--> 10.30 10.40





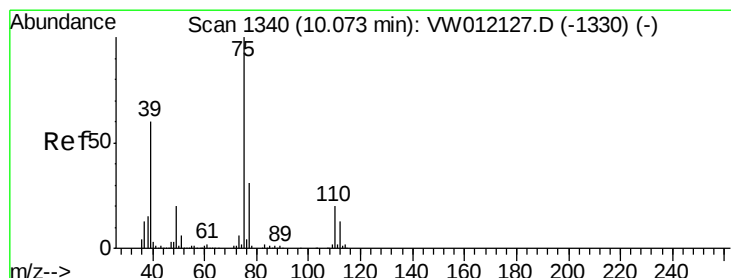
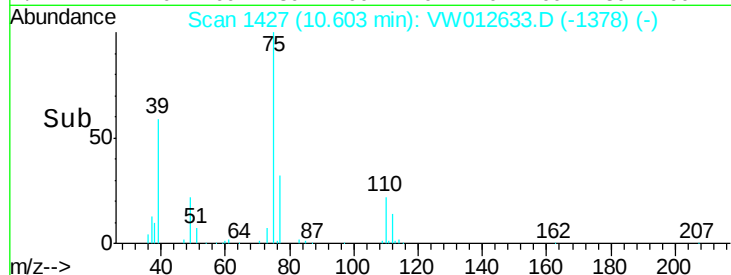
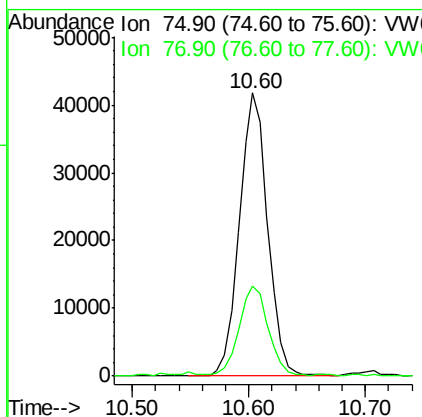
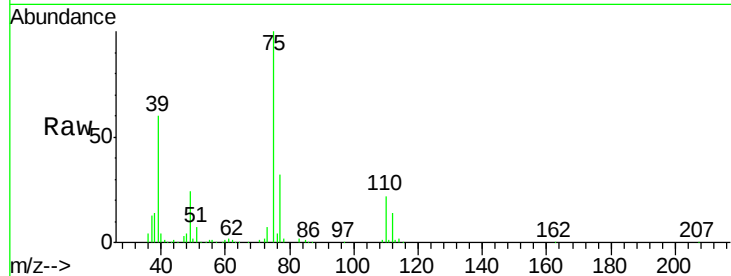
#53  
t-1,3-Dichloropropene  
Concen: 21.057 ug/l  
RT: 10.60 min Scan# 1427  
Delta R.T. -0.00 min  
Lab File: VW012633.D  
Acq: 05 Sep 2019 11:49

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0905SBS01

| Tot Ion   | 75    | Resp  | 70471 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 31.7  | 25.0  | 37.4  |

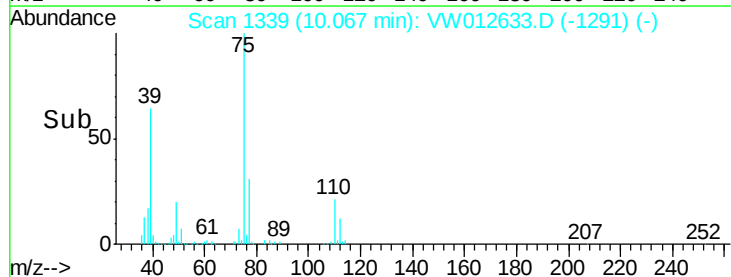
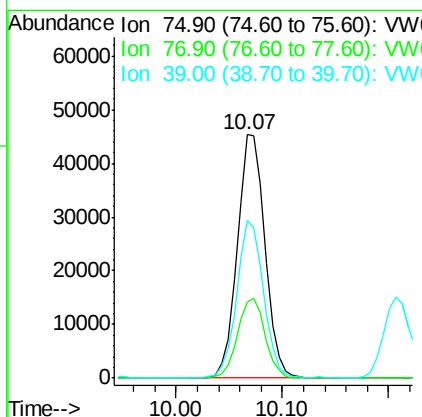
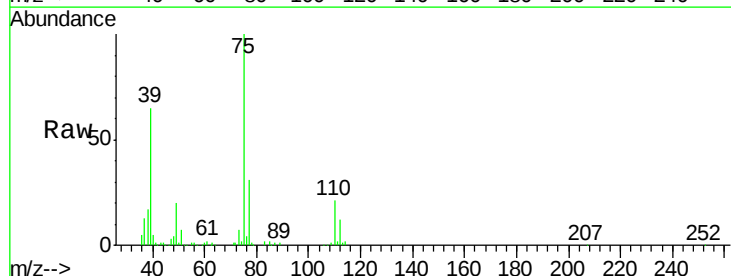
Manual Integrations  
APPROVED

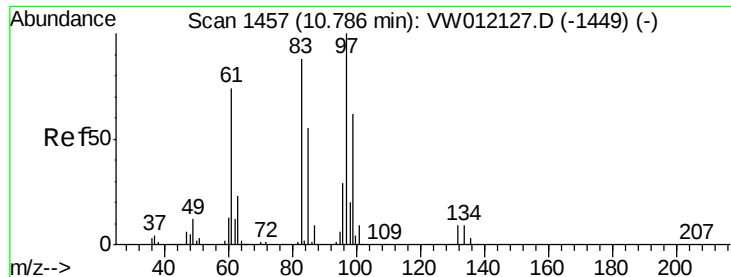
MMDadoda  
9/6/2019 12:29:11 PM



#54  
cis-1,3-Dichloropropene  
Concen: 20.464 ug/l  
RT: 10.07 min Scan# 1339  
Delta R.T. -0.01 min  
Lab File: VW012633.D  
Acq: 05 Sep 2019 11:49

| Tgt Ion   | 75    | Resp  | 82693 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 31.2  | 25.1  | 37.7  |
| 39        | 64.3  | 48.3  | 72.5  |





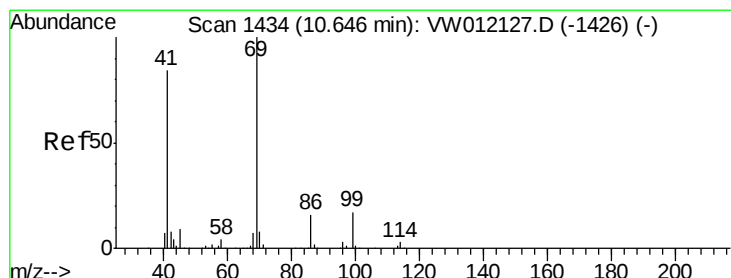
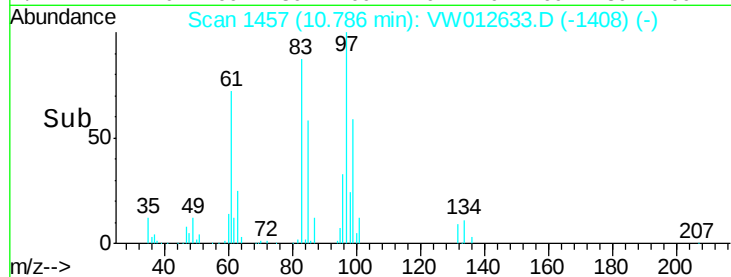
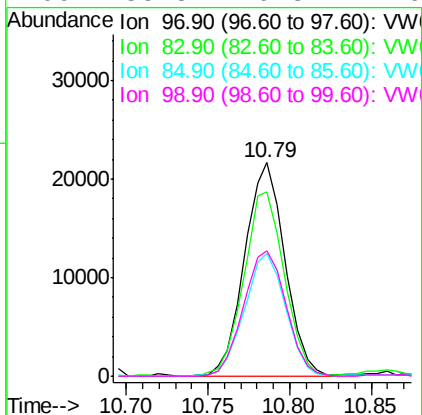
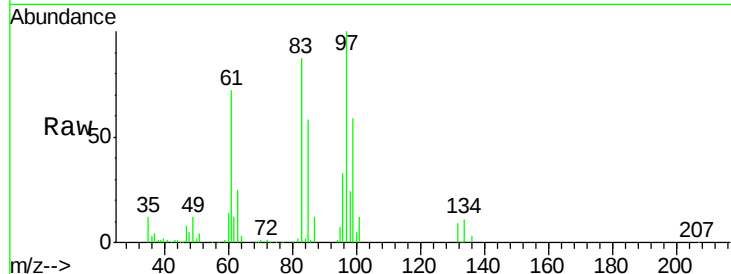
#55  
 1,1,2-Trichloroethane  
 Concen: 21.310 ug/l  
 RT: 10.79 min Scan# 1457  
 Delta R.T. -0.00 min  
 Lab File: VW012633.D  
 Acq: 05 Sep 2019 11:49

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0905SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 37221 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 86.5  | 70.8  | 106.2 |
| 85       | 57.8  | 43.8  | 65.8  |
| 99       | 58.8  | 49.8  | 74.6  |

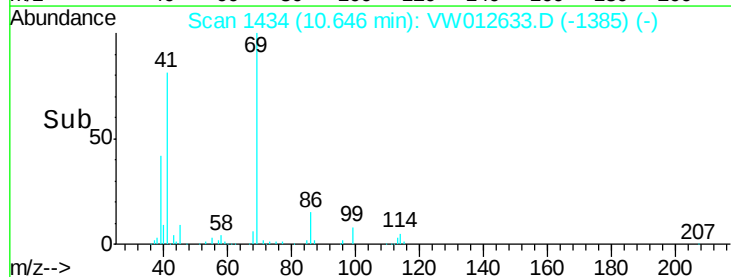
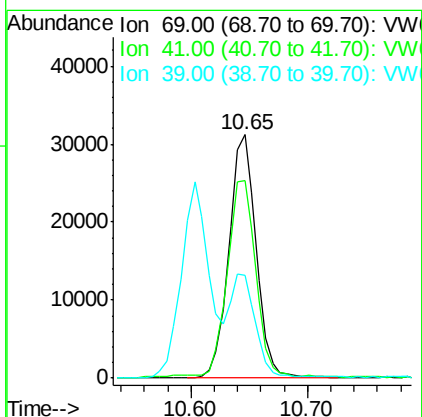
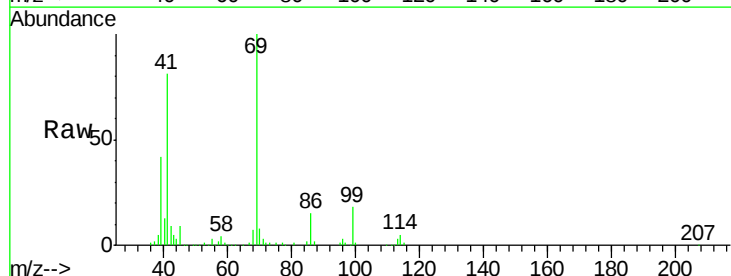
Manual Integrations  
 APPROVED

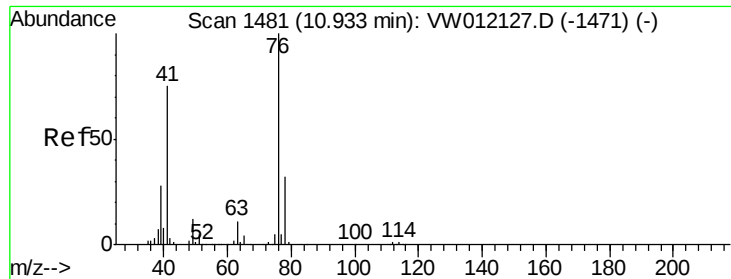
MMDadoda  
 9/6/2019 12:29:11 PM



#56  
 Ethyl methacrylate  
 Concen: 20.050 ug/l  
 RT: 10.65 min Scan# 1434  
 Delta R.T. -0.00 min  
 Lab File: VW012633.D  
 Acq: 05 Sep 2019 11:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 50969 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 85.7  | 66.5  | 99.7  |
| 39       | 38.3  | 31.0  | 46.4  |





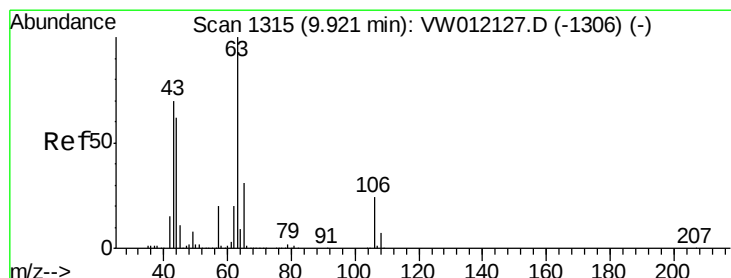
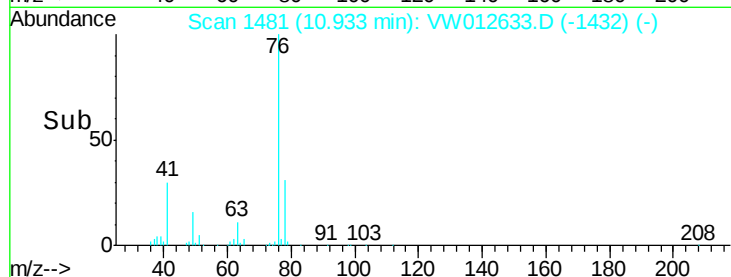
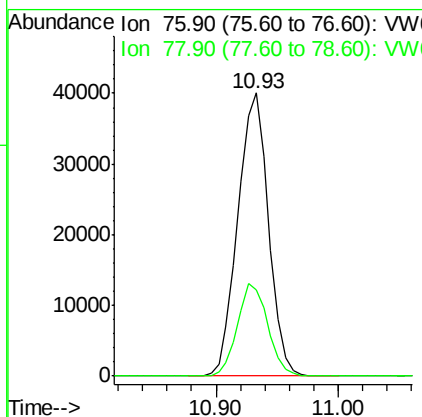
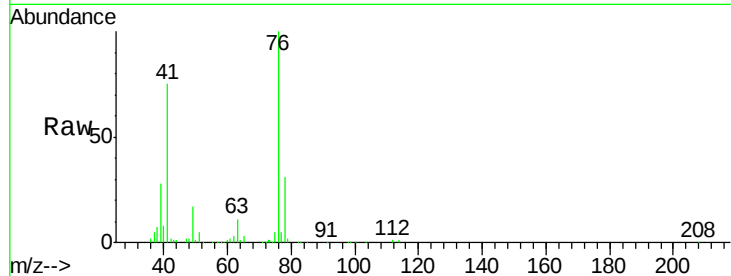
#57  
 1,3-Dichloropropane  
 Concen: 21.106 ug/l  
 RT: 10.93 min Scan# 1481  
 Delta R.T. -0.00 min  
 Lab File: VW012633.D  
 Acq: 05 Sep 2019 11:49

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0905SBS01

Tot Ion: 76 Resp: 69663  
 Ion Ratio Lower Upper  
 76 100  
 78 32.4 25.8 38.8

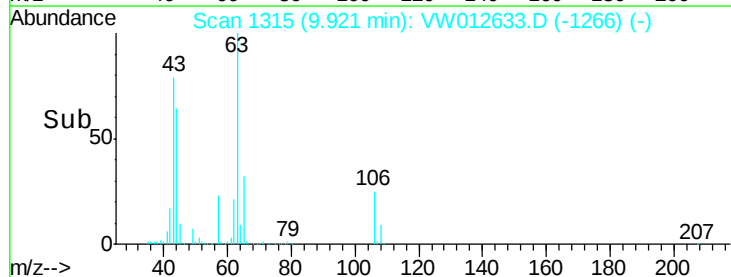
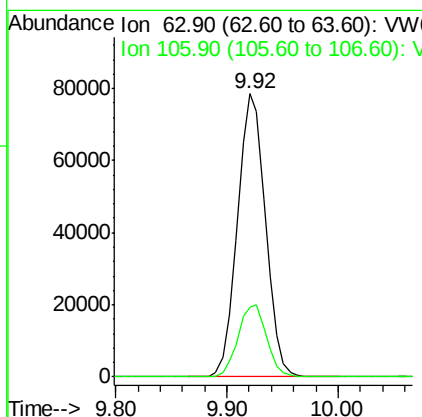
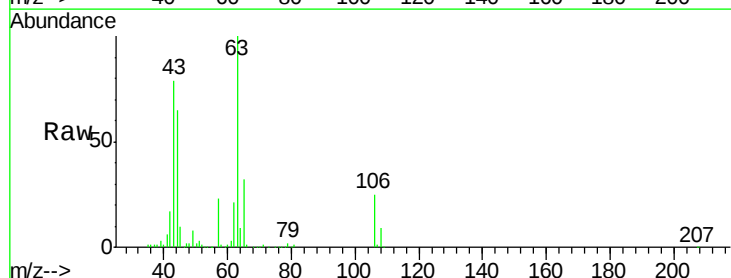
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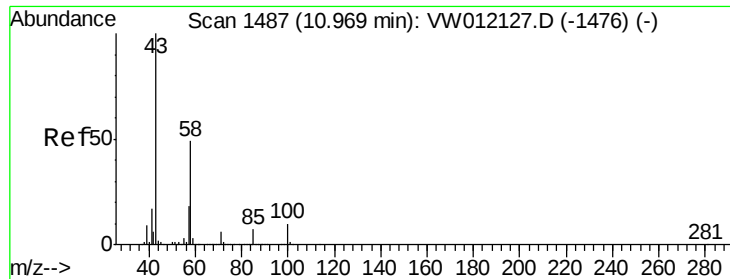
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#58  
 2-Chloroethyl Vinyl ether  
 Concen: 104.784 ug/l  
 RT: 9.92 min Scan# 1315  
 Delta R.T. -0.00 min  
 Lab File: VW012633.D  
 Acq: 05 Sep 2019 11:49

Tgt Ion: 63 Resp: 136706  
 Ion Ratio Lower Upper  
 63 100  
 106 25.9 19.8 29.8





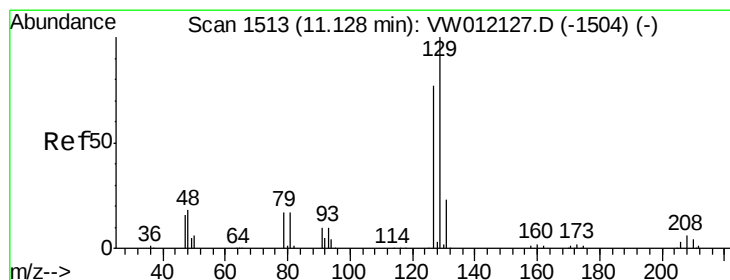
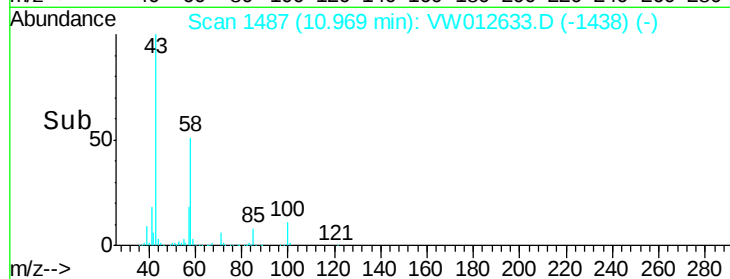
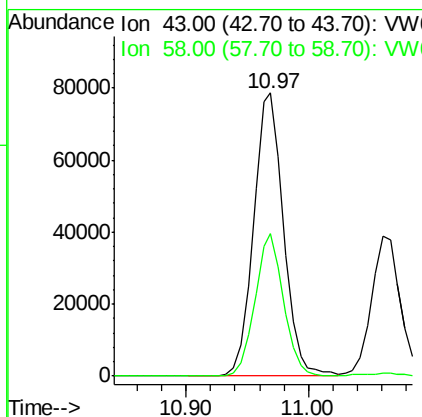
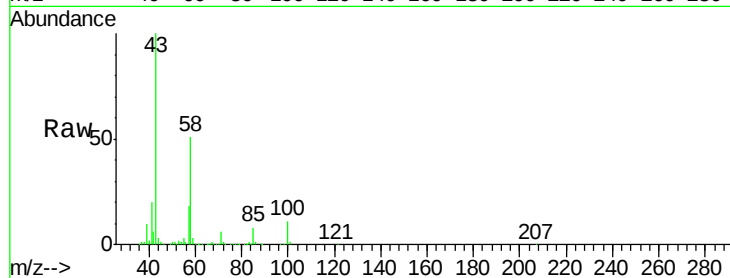
#59  
2-Hexanone  
Concen: 97.180 ug/l  
RT: 10.97 min Scan# 1487  
Delta R.T. -0.00 min  
Lab File: VW012633.D  
Acq: 05 Sep 2019 11:49

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0905SBS01

Tot Ion: 43 Resp: 134032  
Ion Ratio Lower Upper  
43 100  
58 48.1 24.3 72.9

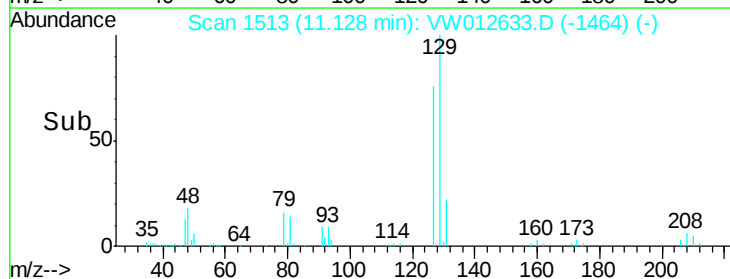
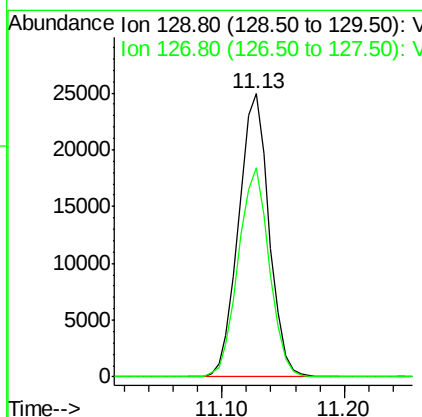
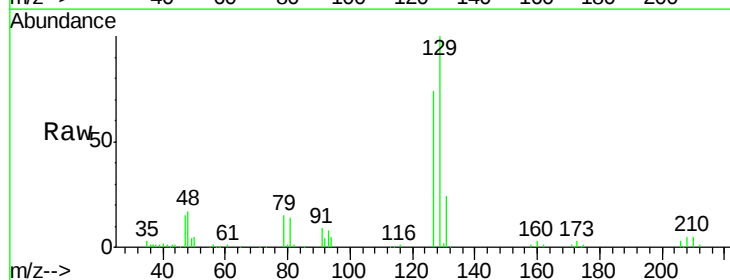
Manual Integrations  
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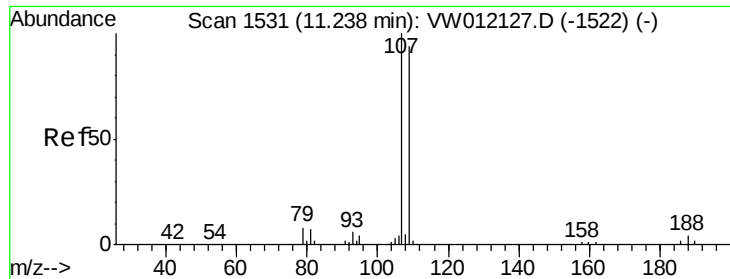
MMDadoda  
9/6/2019 12:29:11 PM



#60  
Dibromochloromethane  
Concen: 22.076 ug/l  
RT: 11.13 min Scan# 1513  
Delta R.T. -0.00 min  
Lab File: VW012633.D  
Acq: 05 Sep 2019 11:49

Tgt Ion: 129 Resp: 42947  
Ion Ratio Lower Upper  
129 100  
127 75.2 38.6 115.8





#61

1,2-Dibromoethane

Concen: 21.115 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW012633.D

Acq: 05 Sep 2019 11:49

Instrument :

MSVOA\_W

ClientSampleId :

VW0905SBS01

Tot Ion:107 Resp: 34358

Ion Ratio Lower Upper

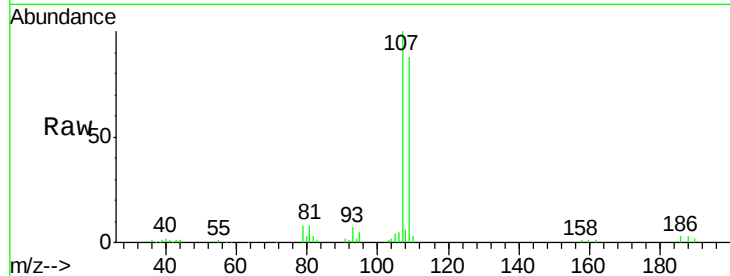
107 100

109 92.5 75.4 113.2

Manual Integrations  
APPROVED

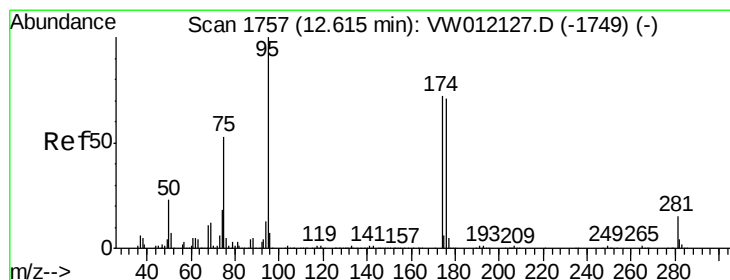
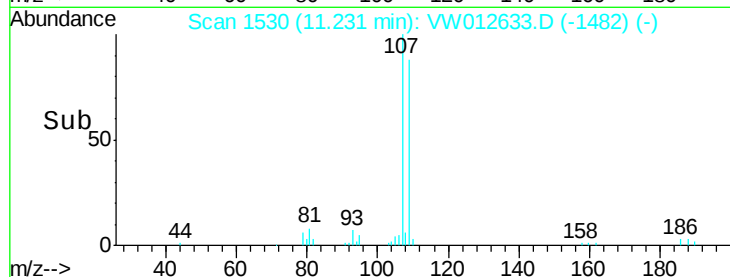
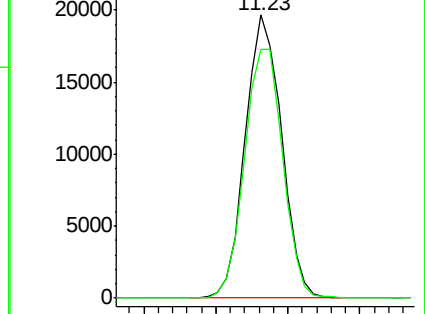
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.460 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012633.D

Acq: 05 Sep 2019 11:49

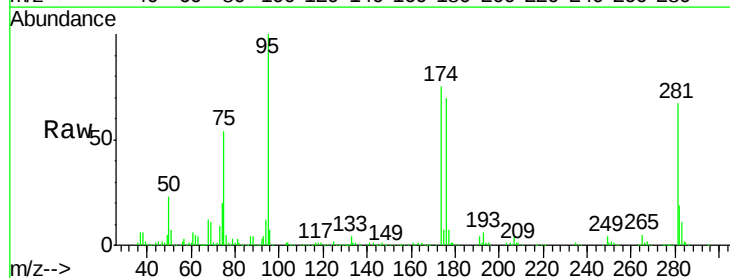
Tgt Ion: 95 Resp: 160403

Ion Ratio Lower Upper

95 100

174 77.6 0.0 150.8

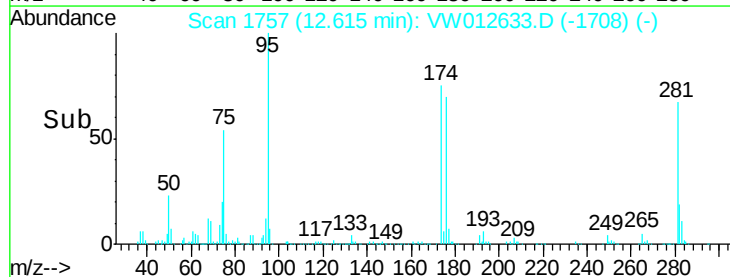
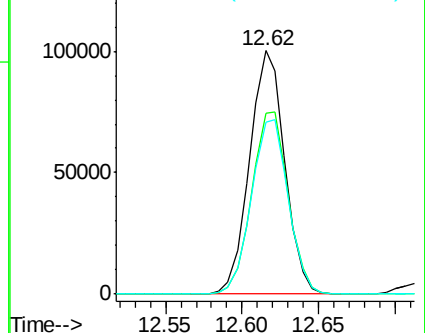
176 75.2 0.0 148.6

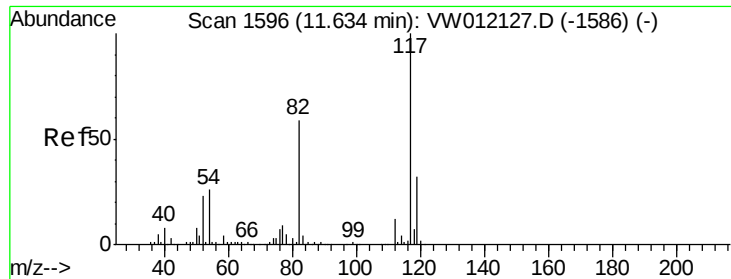


Abundance Ion 94.90 (94.60 to 95.60): VW

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# 1595

Delta R.T. -0.01 min

Lab File: VW012633.D

Acq: 05 Sep 2019 11:49

Instrument :

MSVOA\_W

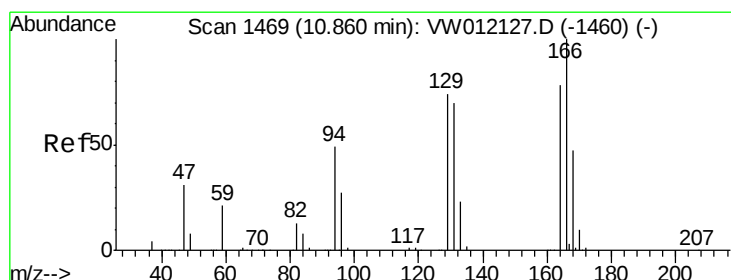
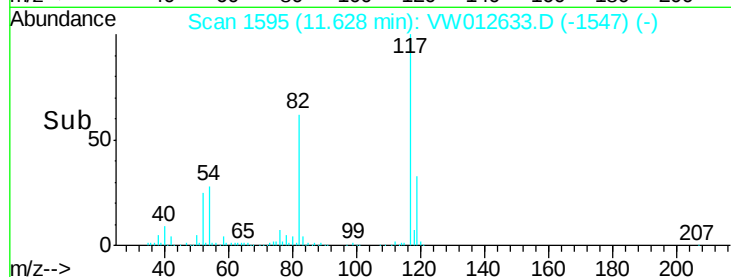
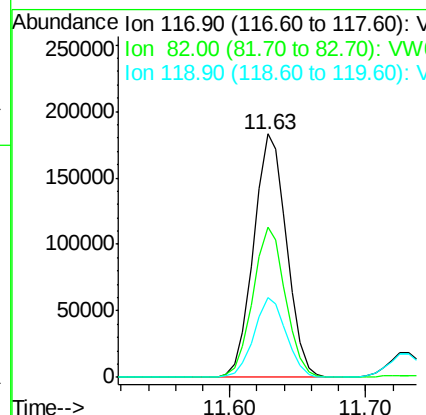
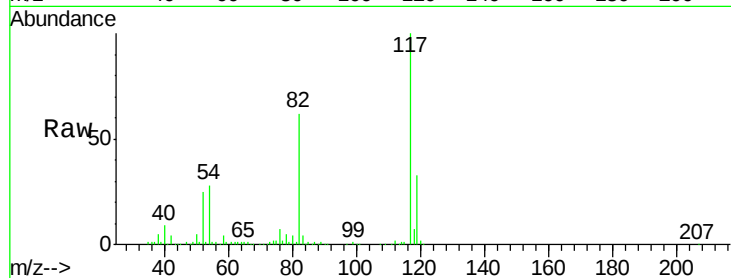
ClientSampleId :

VW0905SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 117   | Resp: | 311128 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 61.8  | 47.4  | 71.2   |
| 119       | 32.5  | 25.4  | 38.2   |

Manual Integrations  
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#64

Tetrachloroethene

Concen: 22.303 ug/l

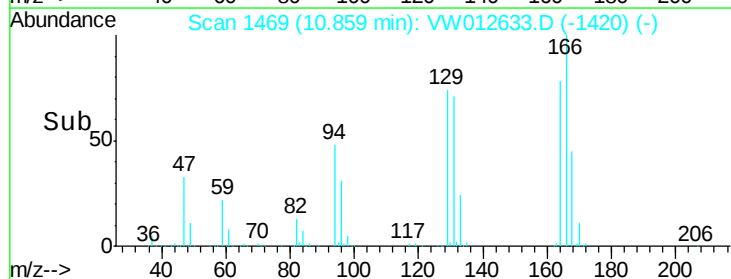
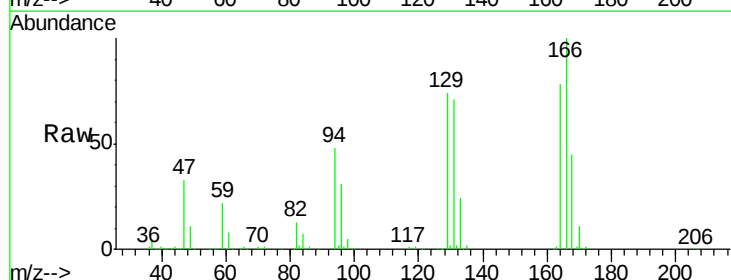
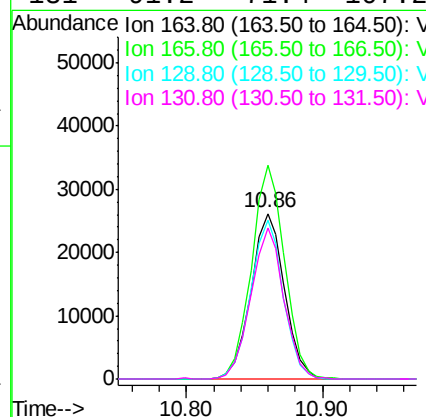
RT: 10.86 min Scan# 1469

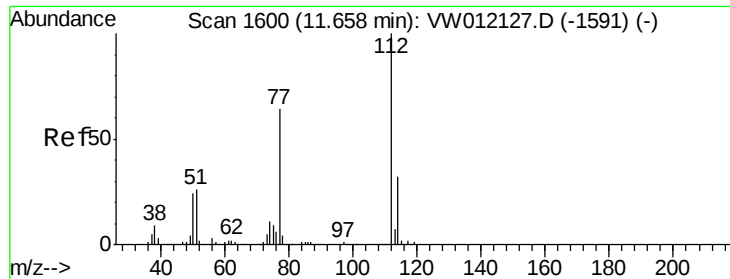
Delta R.T. -0.00 min

Lab File: VW012633.D

Acq: 05 Sep 2019 11:49

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 164   | Resp: | 44989 |
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 166       | 128.9 | 102.4 | 153.6 |
| 129       | 95.7  | 75.8  | 113.6 |
| 131       | 91.2  | 71.4  | 107.2 |





#65

Chlorobenzene

Concen: 22.137 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW012633.D

Acq: 05 Sep 2019 11:49

Instrument :

MSVOA\_W

ClientSampleId :

VW0905SBS01

Tot Ion:112 Resp: 135620

Ion Ratio Lower Upper

112 100

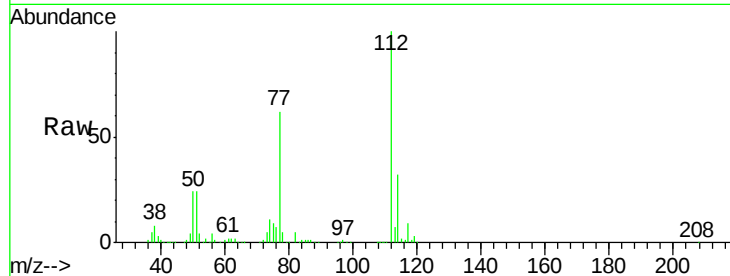
114 31.6 25.8 38.6

Manual Integrations

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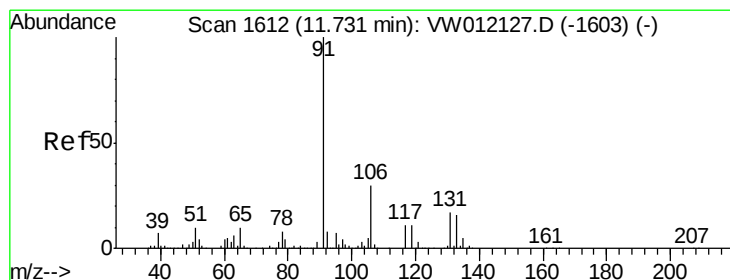
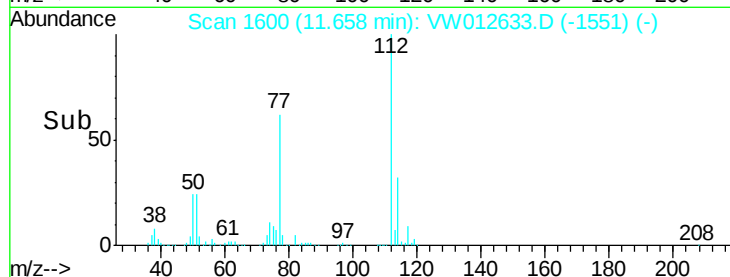
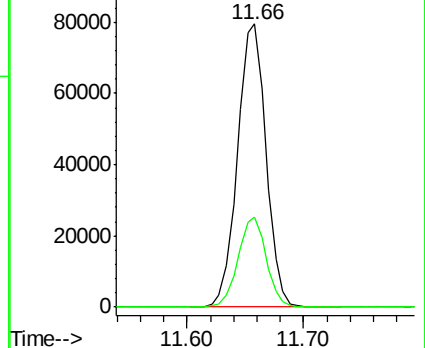
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.973 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012633.D

Acq: 05 Sep 2019 11:49

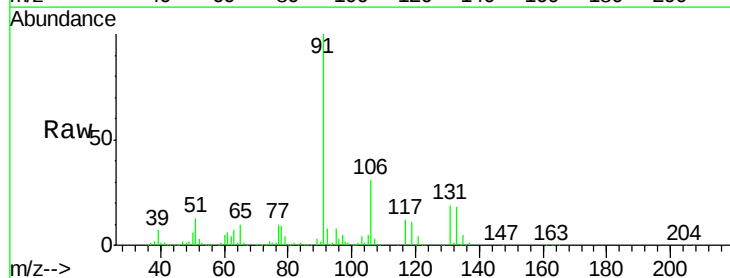
Tgt Ion:131 Resp: 49099

Ion Ratio Lower Upper

131 100

133 96.1 47.1 141.3

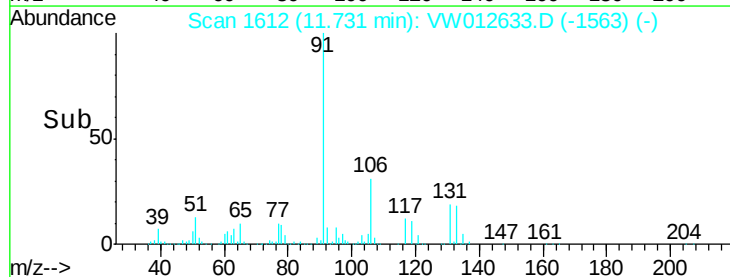
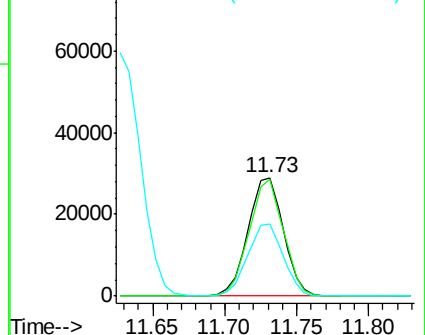
119 61.3 31.8 95.3

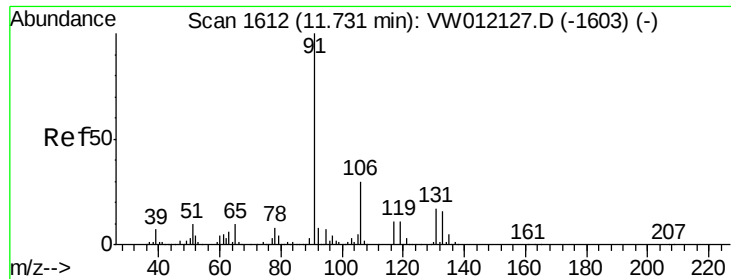


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





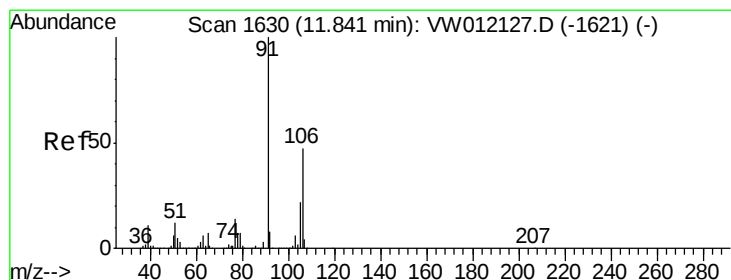
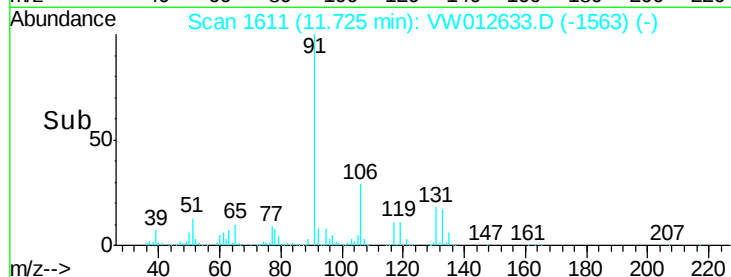
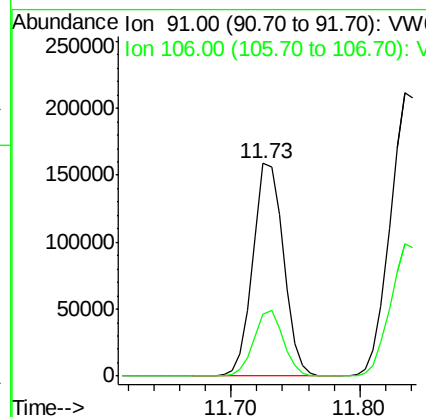
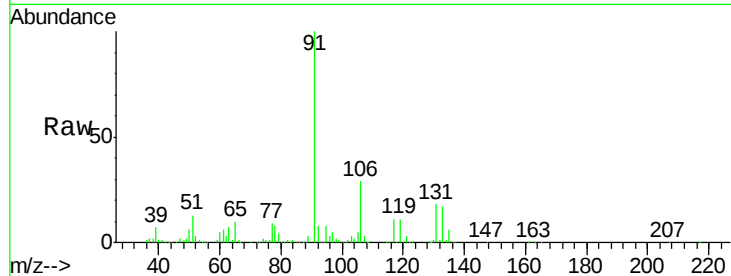
#67  
Ethyl Benzene  
Concen: 22.074 ug/l  
RT: 11.73 min Scan# 1611  
Delta R.T. -0.01 min  
Lab File: VW012633.D  
Acq: 05 Sep 2019 11:49

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0905SBS01

Tot Ion: 91 Resp: 260508  
Ion Ratio Lower Upper  
91 100  
106 29.1 24.3 36.5

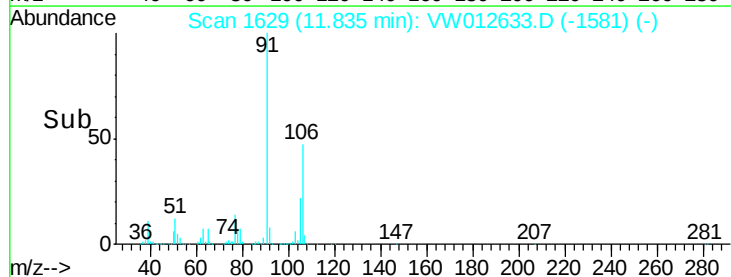
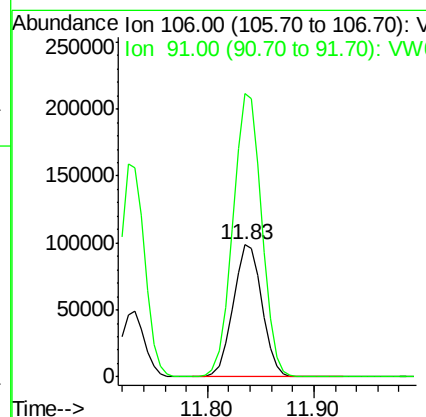
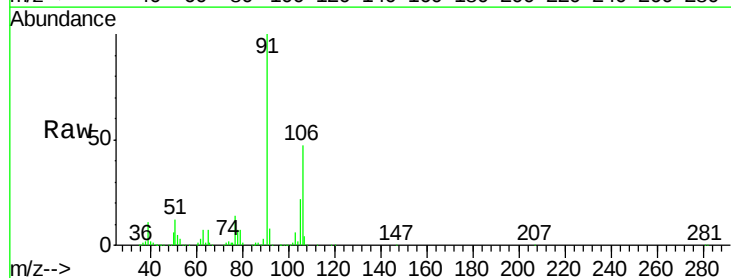
Manual Integrations  
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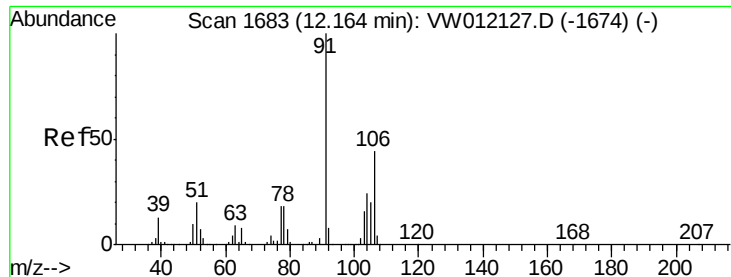
MMDadoda  
9/6/2019 12:29:11 PM



#68  
m/p-Xylenes  
Concen: 43.946 ug/l  
RT: 11.83 min Scan# 1629  
Delta R.T. -0.01 min  
Lab File: VW012633.D  
Acq: 05 Sep 2019 11:49

Tgt Ion: 106 Resp: 186814  
Ion Ratio Lower Upper  
106 100  
91 214.0 169.5 254.3





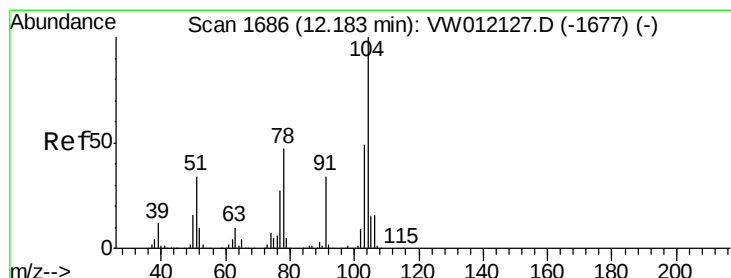
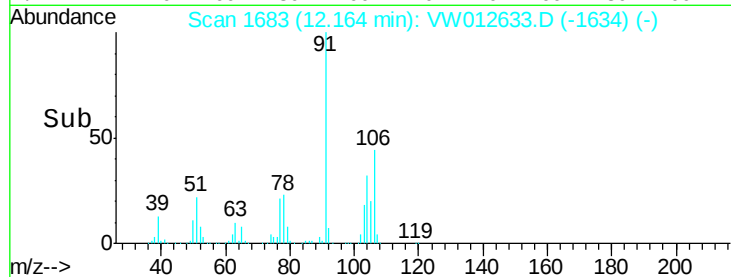
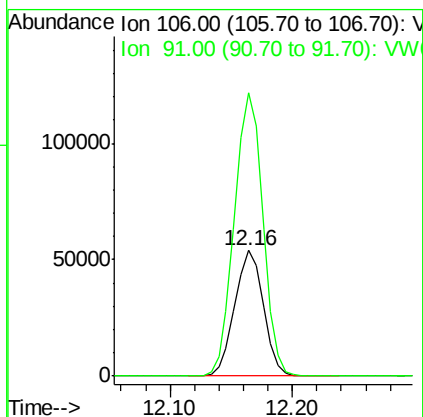
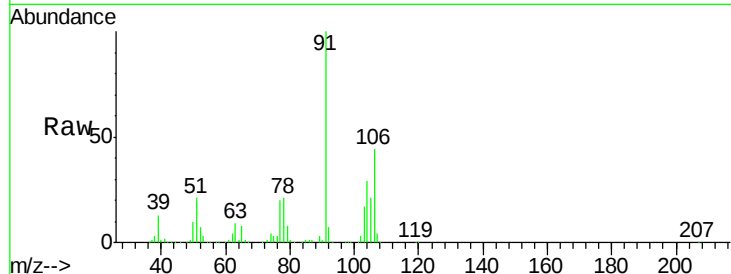
#69  
o-Xylene  
Concen: 22.244 ug/l  
RT: 12.16 min Scan# 1683  
Delta R.T. -0.00 min  
Lab File: VW012633.D  
Acq: 05 Sep 2019 11:49

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0905SBS01

Tot Ion:106 Resp: 87518  
Ion Ratio Lower Upper  
106 100  
91 224.0 111.6 334.6

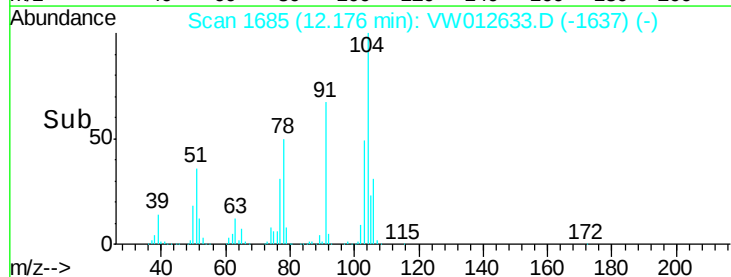
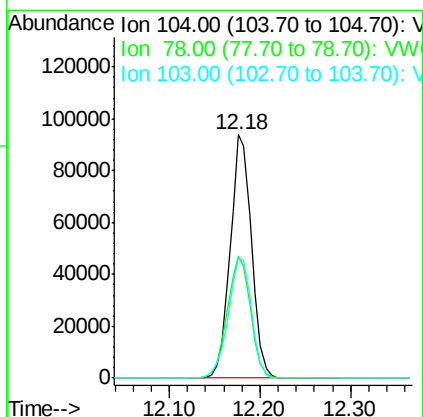
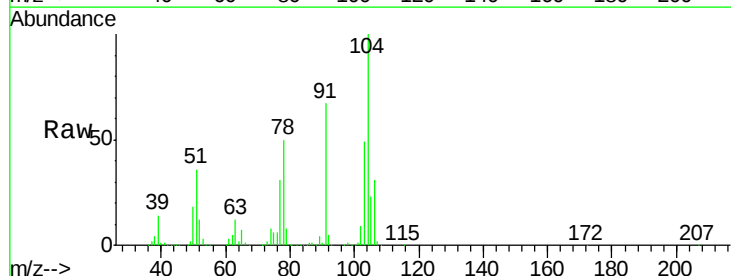
Manual Integrations  
APPROVED

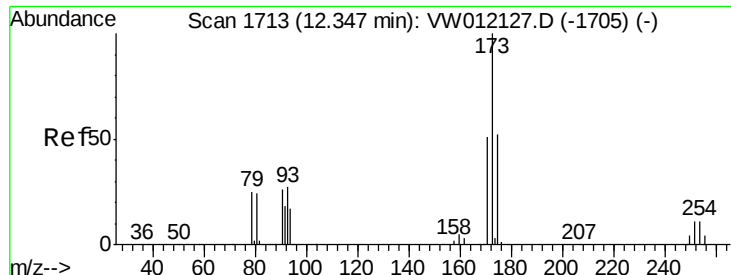
MMDadoda  
9/6/2019 12:29:11 PM



#70  
Styrene  
Concen: 22.345 ug/l  
RT: 12.18 min Scan# 1685  
Delta R.T. -0.01 min  
Lab File: VW012633.D  
Acq: 05 Sep 2019 11:49

Tgt Ion:104 Resp: 152174  
Ion Ratio Lower Upper  
104 100  
78 54.9 43.1 64.7  
103 54.1 43.5 65.3





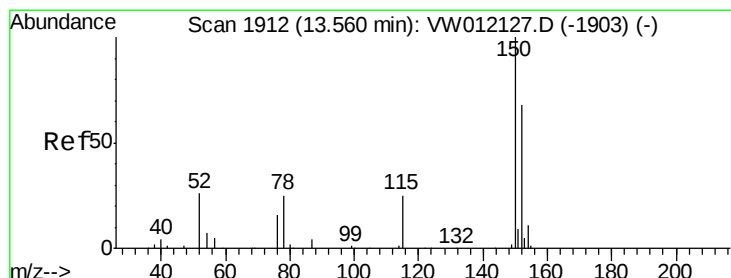
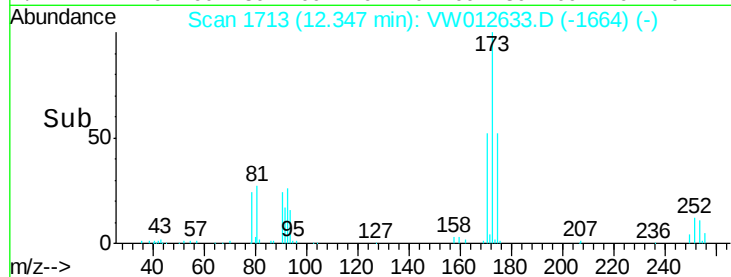
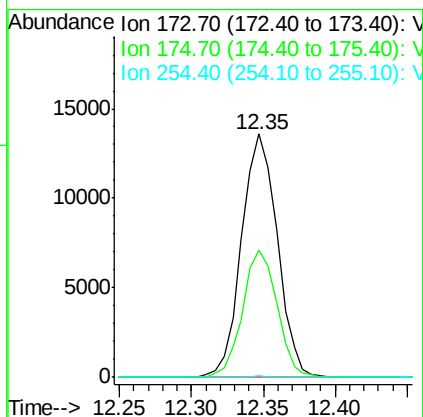
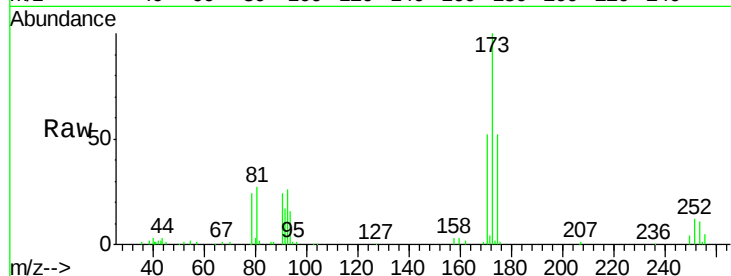
#71  
Bromoform  
Concen: 21.923 ug/l  
RT: 12.35 min Scan# 1713  
Delta R.T. -0.00 min  
Lab File: VW012633.D  
Acq: 05 Sep 2019 11:49

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0905SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 50.4  | 24.6  | 74.0  |
| 254     | 0.1   | 0.2   | 0.2   |

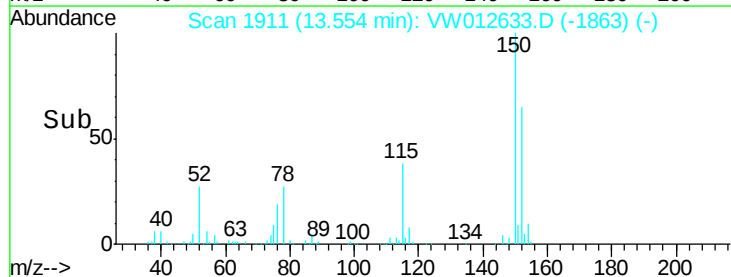
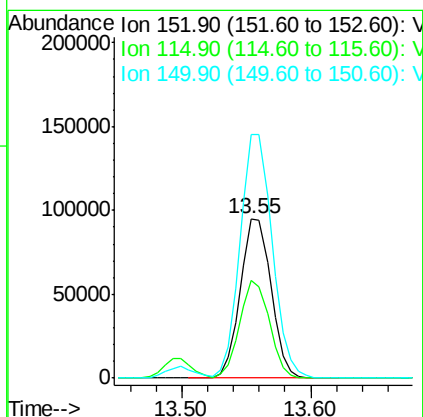
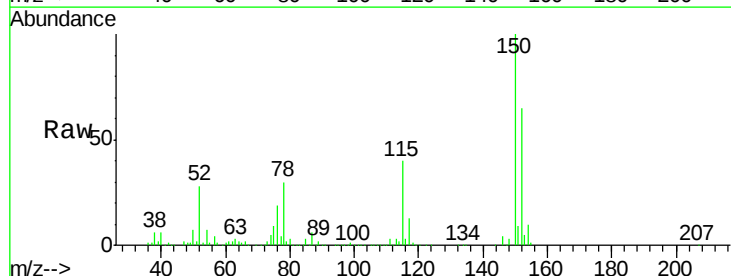
Manual Integrations  
APPROVED

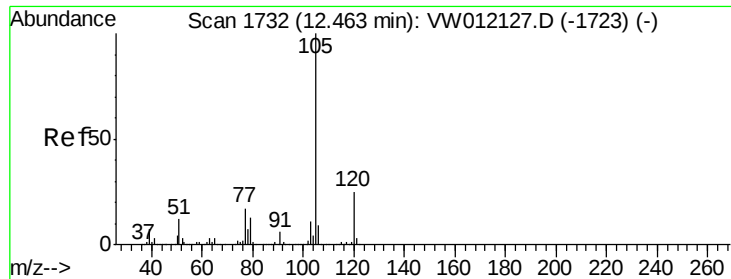
MMDadoda  
9/6/2019 12:29:11 PM



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.55 min Scan# 1911  
Delta R.T. -0.01 min  
Lab File: VW012633.D  
Acq: 05 Sep 2019 11:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 59.1  | 30.1  | 90.3  |
| 150     | 160.0 | 0.0   | 345.8 |





#73

Isopropylbenzene

Concen: 21.475 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012633.D

Acq: 05 Sep 2019 11:49

Instrument :

MSVOA\_W

ClientSampleId :

VW0905SBS01

Tot Ion: 105 Resp: 252241

Ion Ratio Lower Upper

105 100

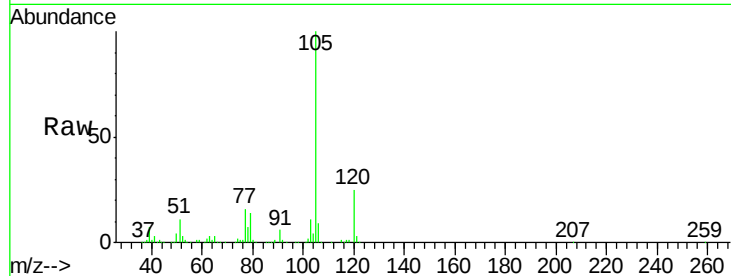
120 25.1 12.5 37.5

Manual Integrations

APPROVED

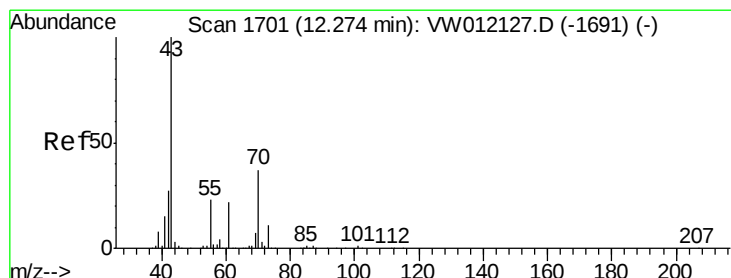
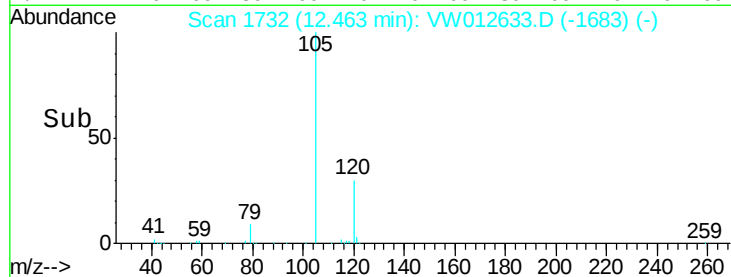
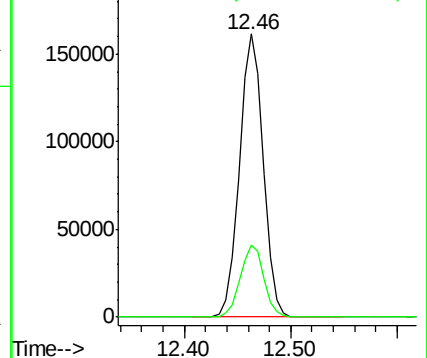
MMDadoda

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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: 19.310 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012633.D

Acq: 05 Sep 2019 11:49

Tgt Ion: 43 Resp: 68527

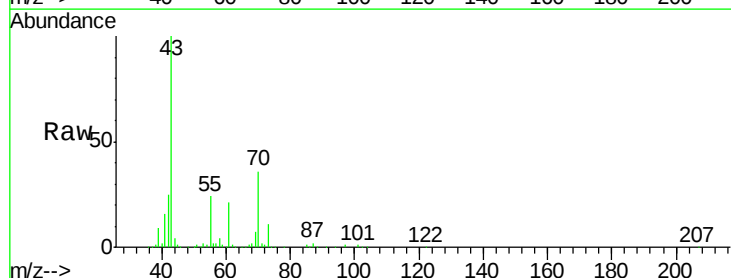
Ion Ratio Lower Upper

43 100

70 35.8 28.6 43.0

55 23.4 17.8 26.6

61 20.7 17.3 25.9

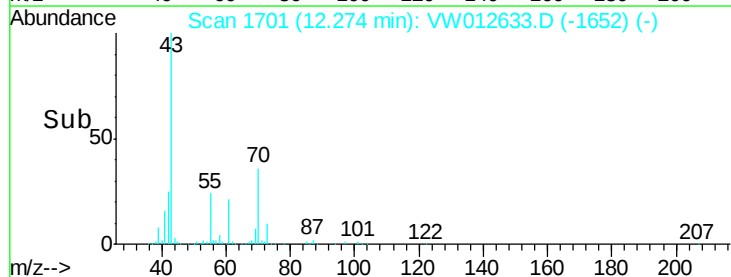
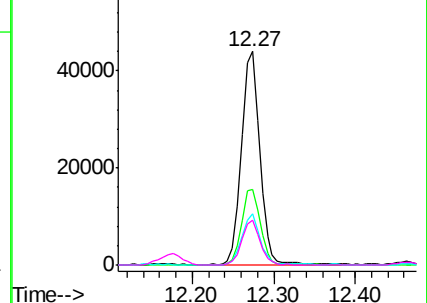


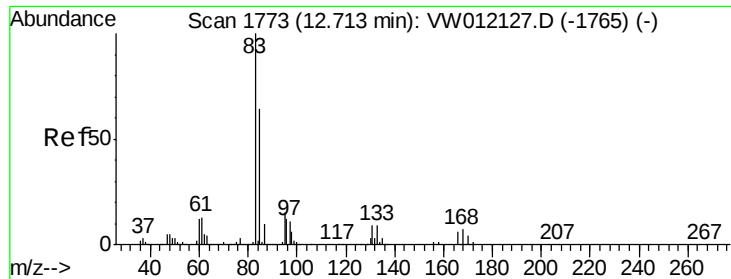
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 19.841 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012633.D

Acq: 05 Sep 2019 11:49

Instrument :

MSVOA\_W

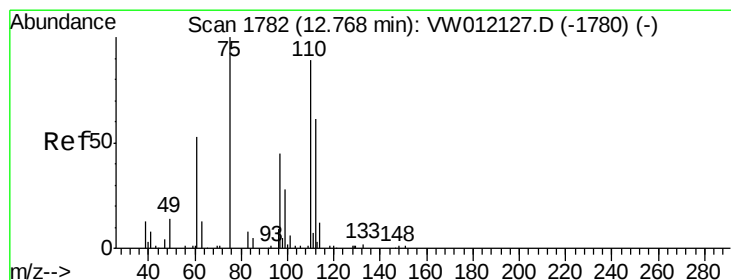
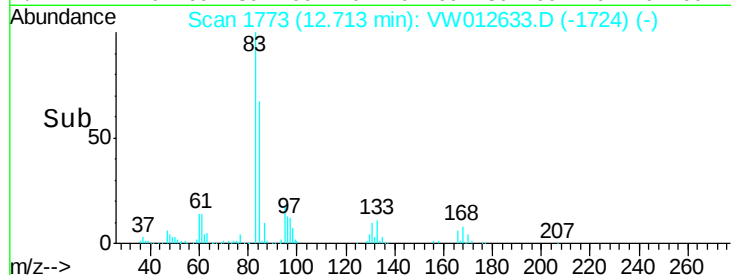
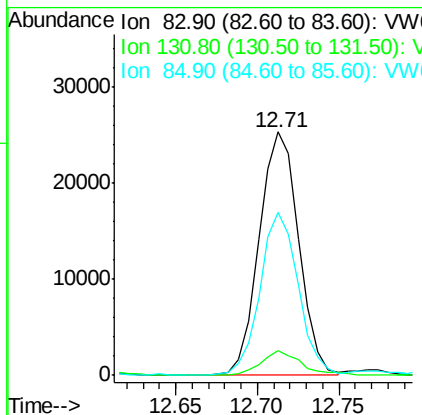
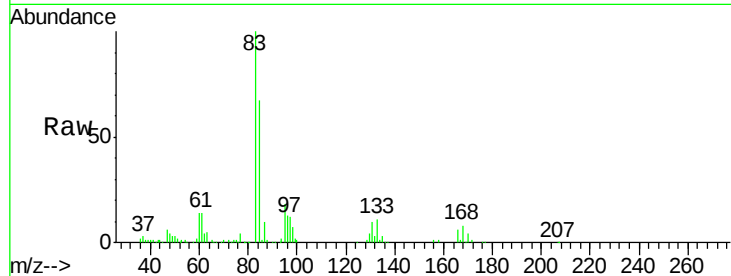
ClientSampleId :

VW0905SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 42725 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 10.3  | 4.9   | 14.7  |
| 85        | 64.7  | 31.9  | 95.7  |

Manual Integrations  
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9/6/2019 12:29:11 PM



#76

1,2,3-Trichloropropane

Concen: 23.954 ug/l m

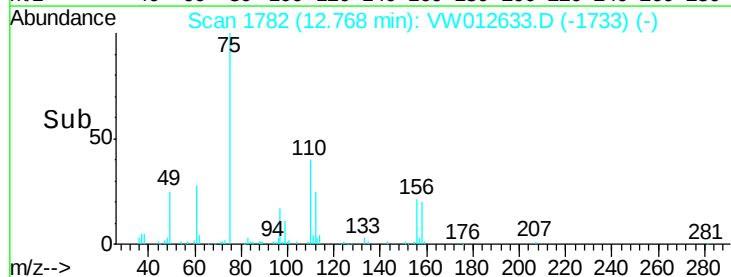
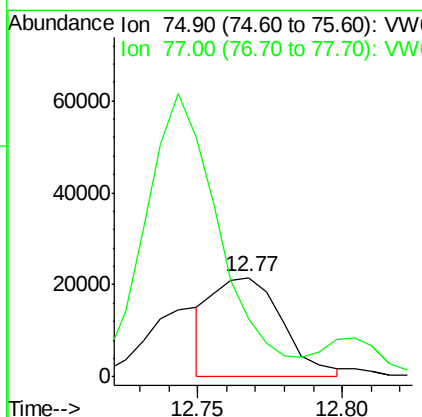
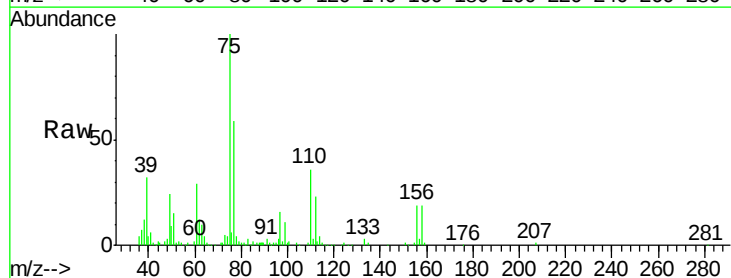
RT: 12.77 min Scan# 1782

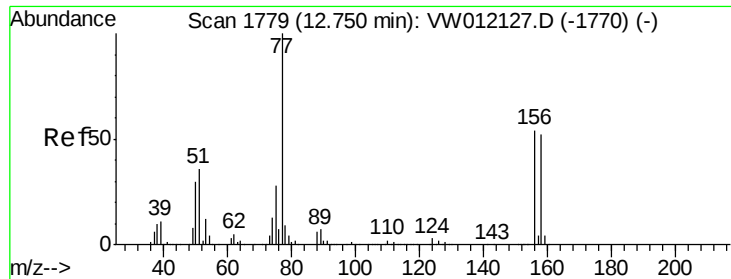
Delta R.T. -0.00 min

Lab File: VW012633.D

Acq: 05 Sep 2019 11:49

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 36571 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





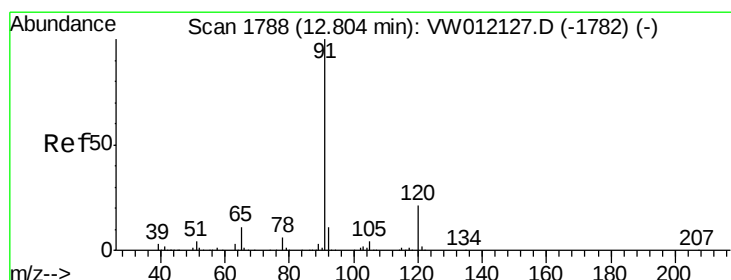
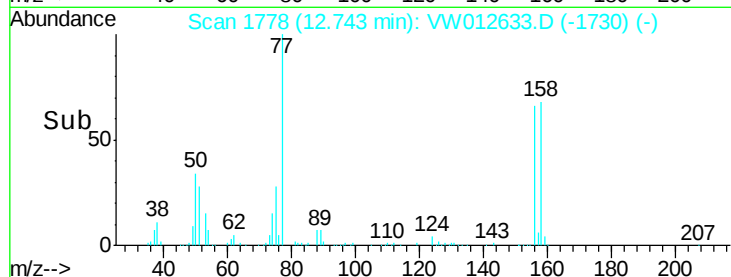
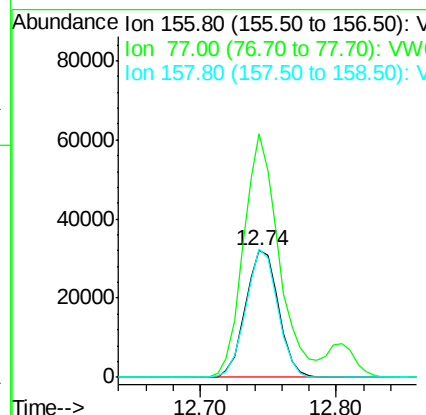
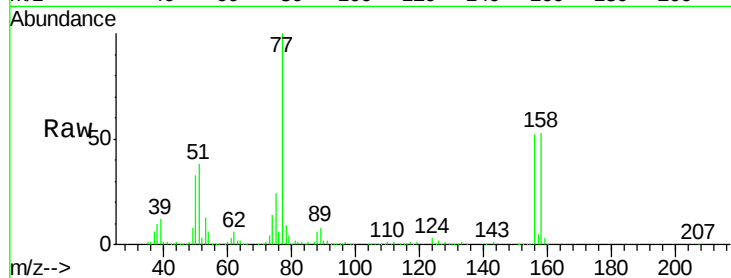
#77  
Bromobenzene  
Concen: 21.350 ug/l  
RT: 12.74 min Scan# 1778  
Delta R.T. -0.01 min  
Lab File: VW012633.D  
Acq: 05 Sep 2019 11:49

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0905SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 205.5 | 107.3 | 321.8 |
| 158     | 97.5  | 49.0  | 147.0 |

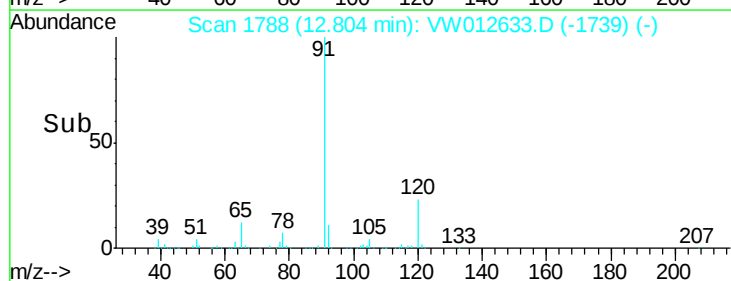
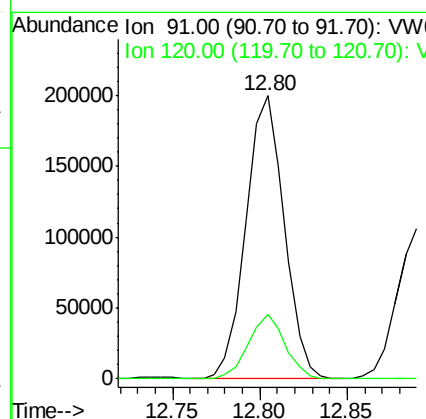
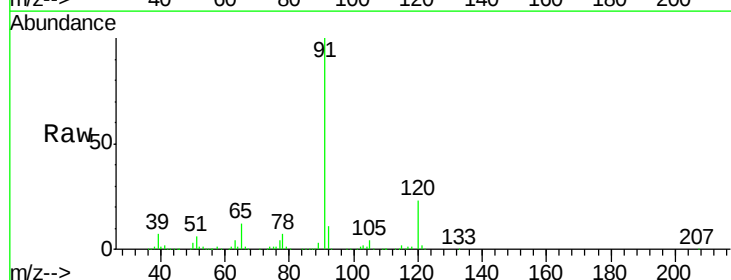
Manual Integrations  
APPROVED

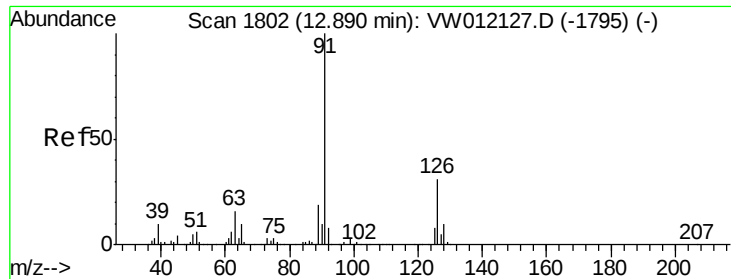
MMDadoda  
9/6/2019 12:29:11 PM



#78  
n-propylbenzene  
Concen: 21.136 ug/l  
RT: 12.80 min Scan# 1788  
Delta R.T. -0.00 min  
Lab File: VW012633.D  
Acq: 05 Sep 2019 11:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 21.9  | 10.5  | 31.6  |





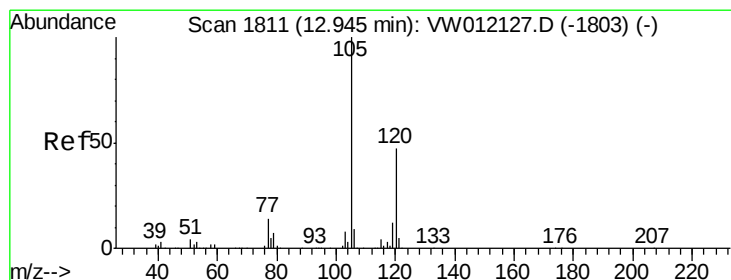
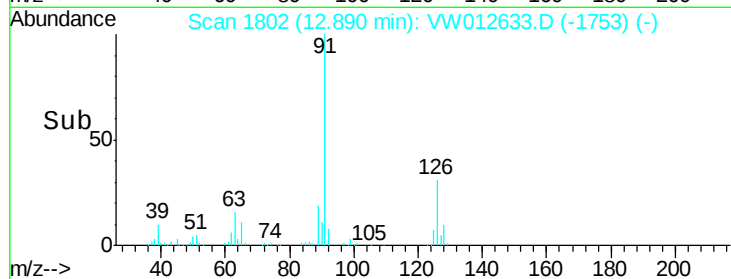
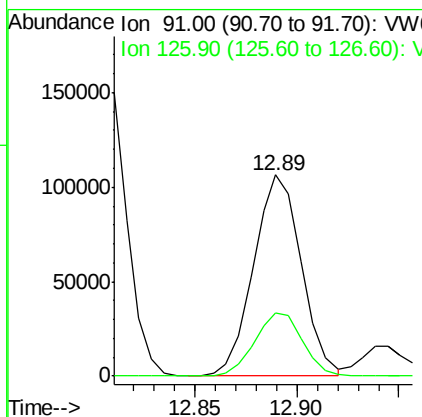
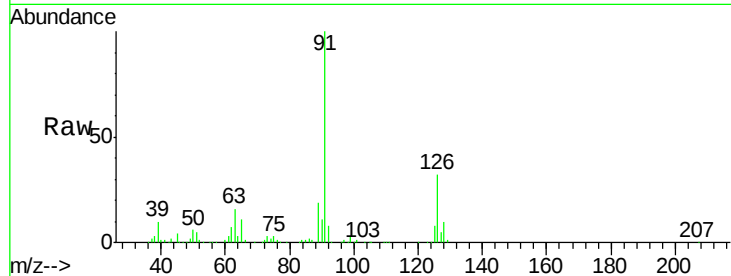
#79  
 2-Chlorotoluene  
 Concen: 21.248 ug/l  
 RT: 12.89 min Scan# 1802  
 Delta R.T. -0.00 min  
 Lab File: VW012633.D  
 Acq: 05 Sep 2019 11:49

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0905SBS01

Tot Ion: 91 Resp: 172985  
 Ion Ratio Lower Upper  
 91 100  
 126 31.8 15.7 47.0

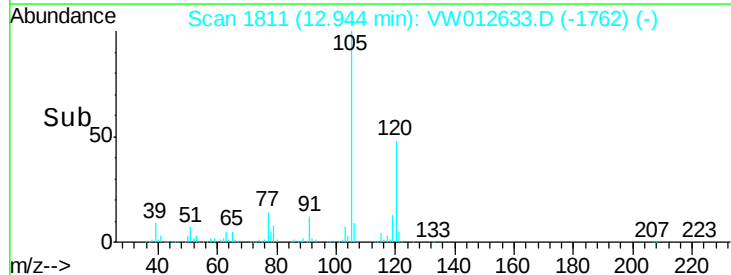
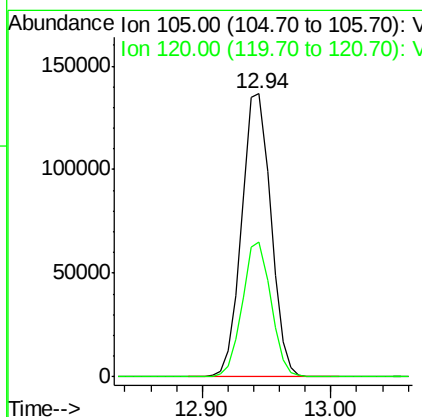
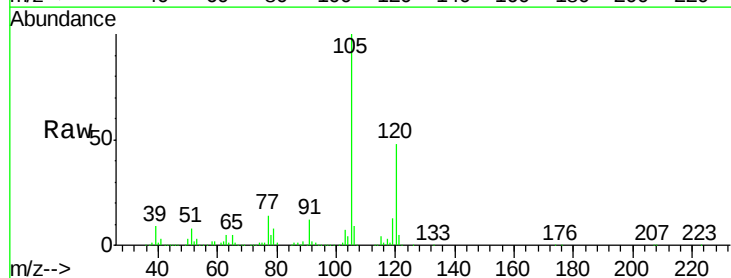
Manual Integrations  
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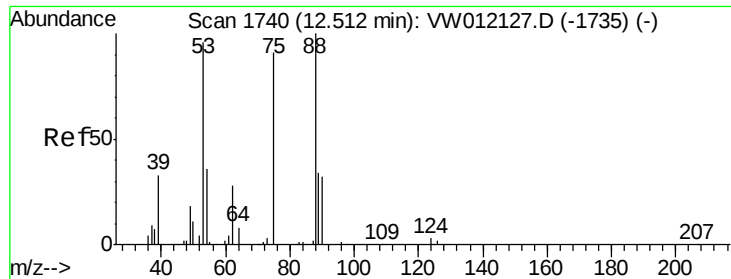
MMDadoda  
 9/6/2019 12:29:11 PM



#80  
 1,3,5-Trimethylbenzene  
 Concen: 21.764 ug/l  
 RT: 12.94 min Scan# 1811  
 Delta R.T. -0.00 min  
 Lab File: VW012633.D  
 Acq: 05 Sep 2019 11:49

Tgt Ion:105 Resp: 213613  
 Ion Ratio Lower Upper  
 105 100  
 120 46.7 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.414 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012633.D

Acq: 05 Sep 2019 11:49

Instrument :

MSVOA\_W

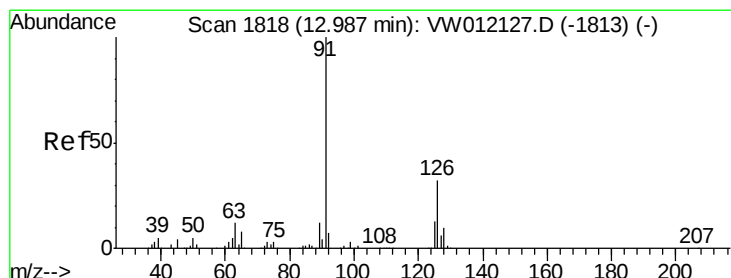
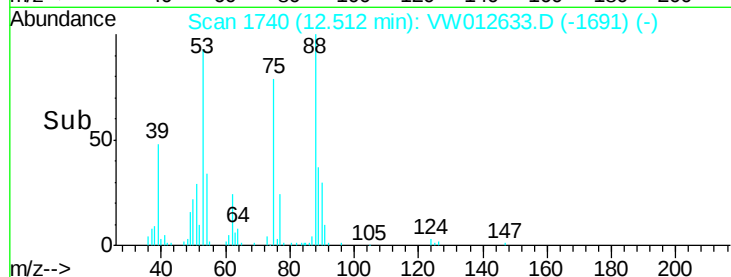
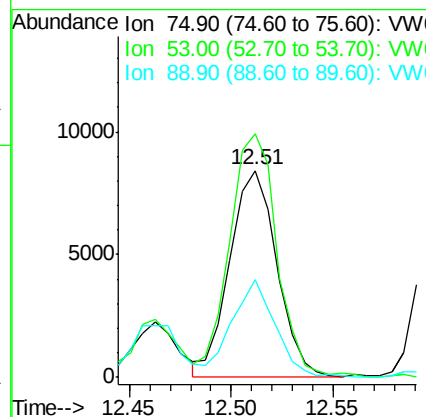
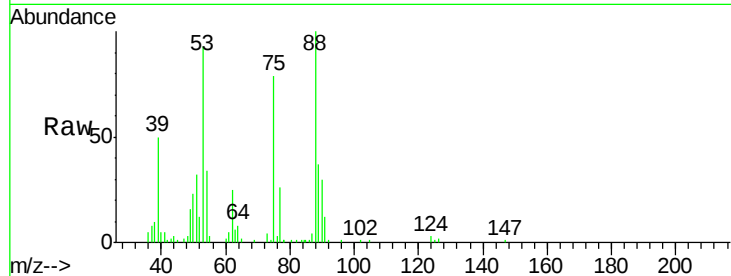
ClientSampled :

VW0905SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 75    | Resp: | 13518 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 53        | 118.5 | 89.4  | 134.0 |
| 89        | 43.0  | 34.5  | 51.7  |

Manual Integrations  
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#82

4-Chlorotoluene

Concen: 21.518 ug/l

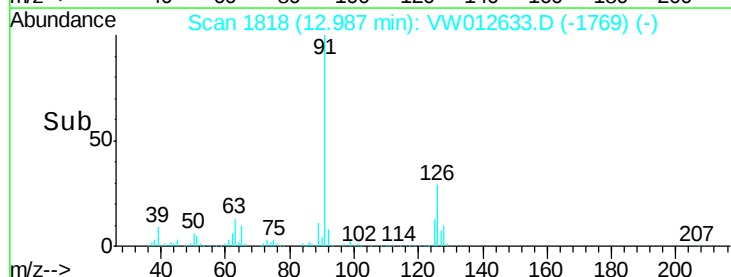
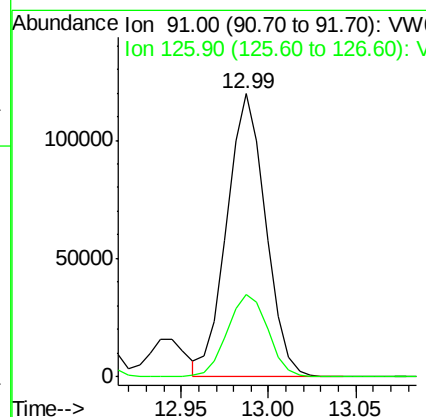
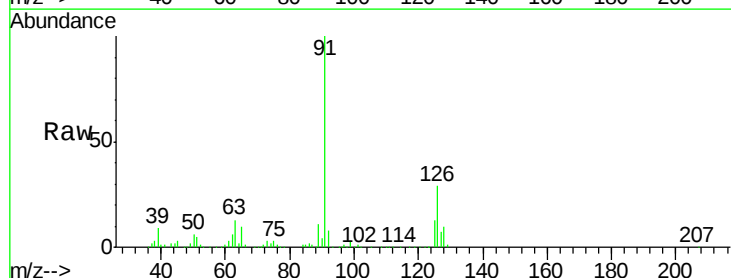
RT: 12.99 min Scan# 1818

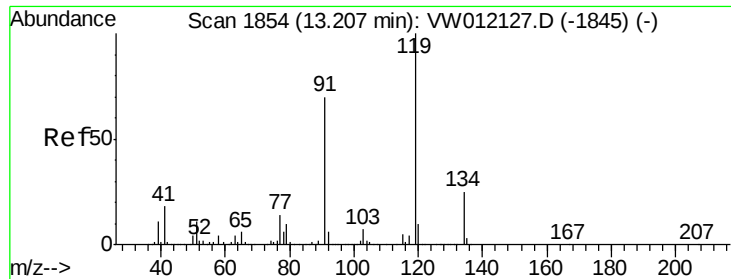
Delta R.T. -0.00 min

Lab File: VW012633.D

Acq: 05 Sep 2019 11:49

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 183431 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 126       | 30.7  | 15.6  | 46.8   |





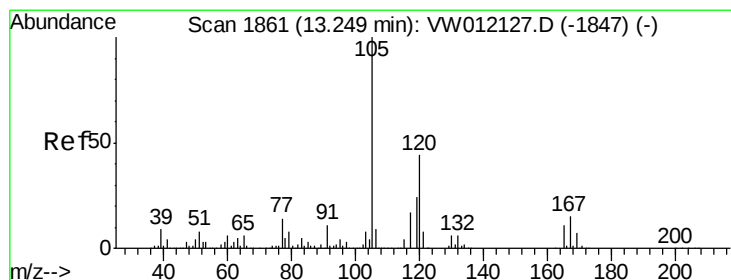
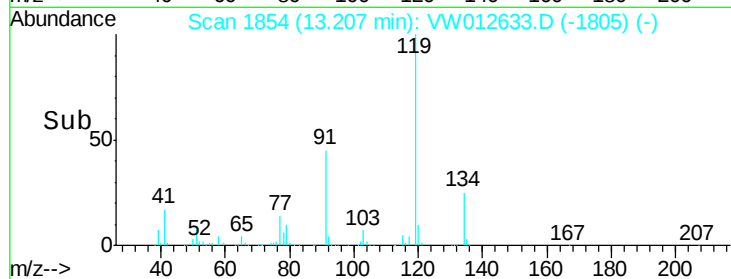
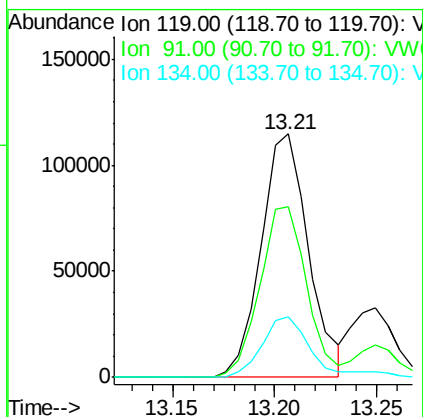
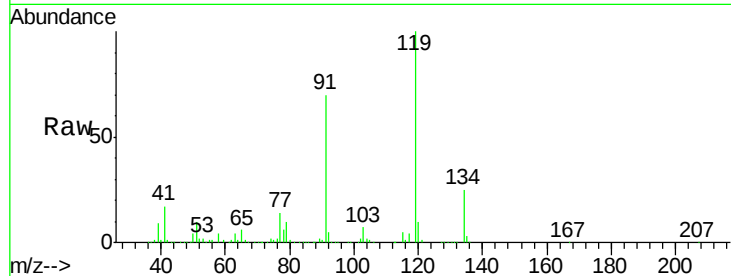
#83  
tert-Butylbenzene  
Concen: 22.348 ug/l  
RT: 13.21 min Scan# 1854  
Delta R.T. -0.00 min  
Lab File: VW012633.D  
Acq: 05 Sep 2019 11:49

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0905SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 185799 |       |       |
| 91      | 69.2  |        | 34.8  | 104.3 |
| 134     | 26.3  |        | 13.3  | 39.8  |

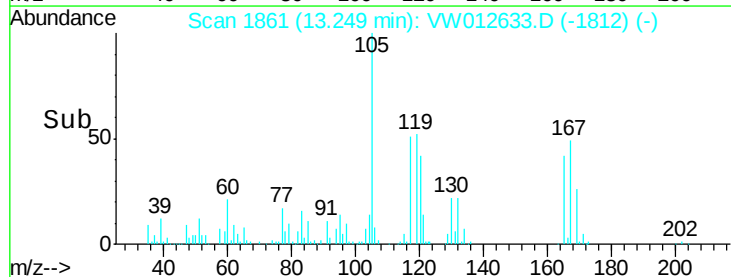
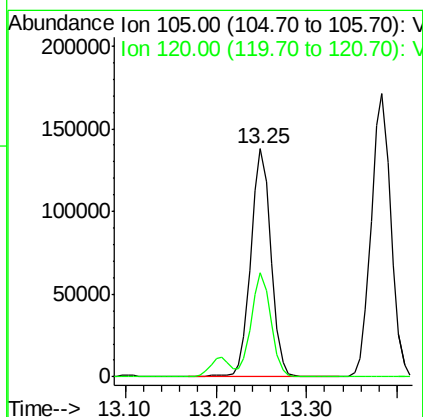
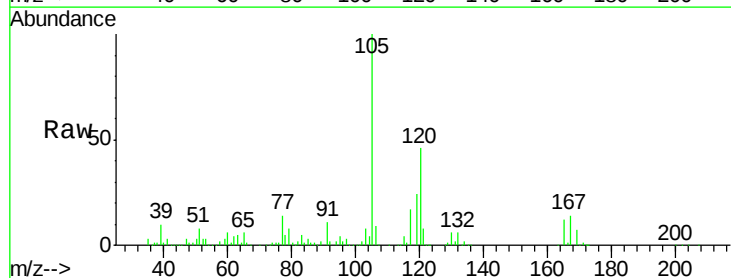
Manual Integrations  
APPROVED

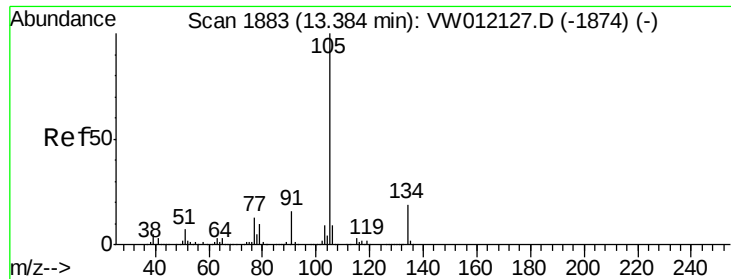
MMDadoda  
9/6/2019 12:29:11 PM



#84  
1,2,4-Trimethylbenzene  
Concen: 21.588 ug/l  
RT: 13.25 min Scan# 1861  
Delta R.T. -0.00 min  
Lab File: VW012633.D  
Acq: 05 Sep 2019 11:49

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 212845 |       |       |
| 120     | 44.0  |        | 21.9  | 65.7  |





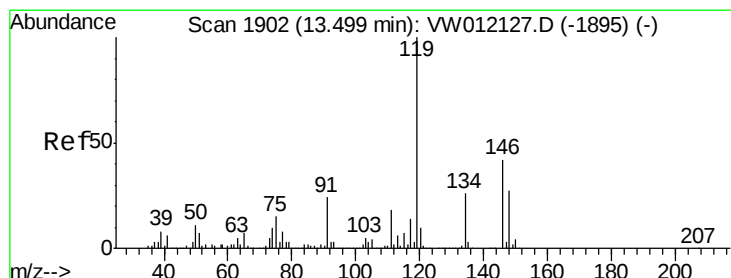
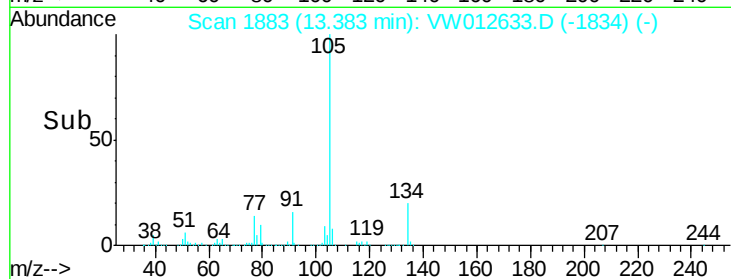
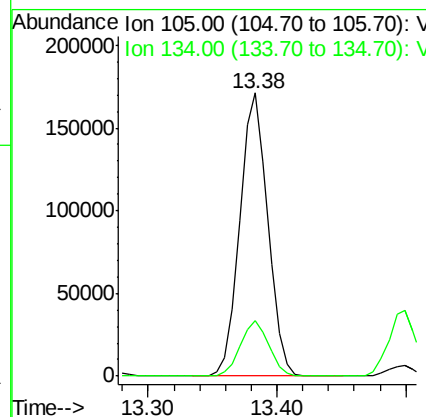
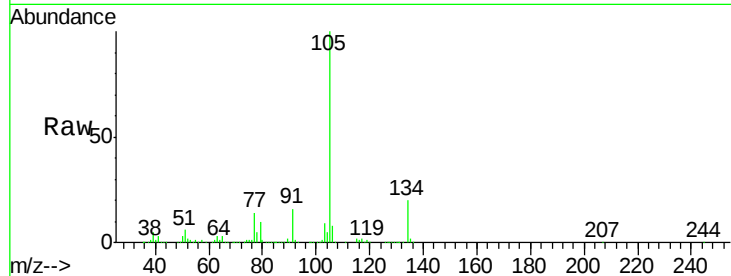
#85  
 sec-Butylbenzene  
 Concen: 21.639 ug/l  
 RT: 13.38 min Scan# 1883  
 Delta R.T. -0.00 min  
 Lab File: VW012633.D  
 Acq: 05 Sep 2019 11:49

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0905SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 19.8  | 9.8   | 29.4  |

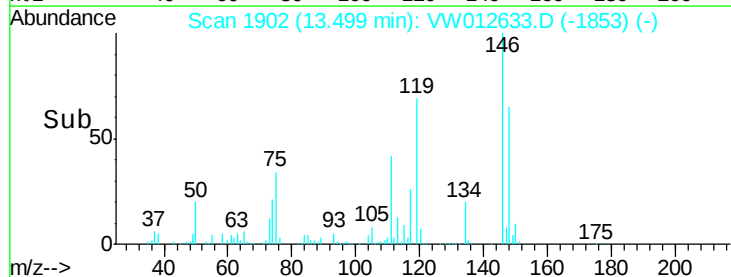
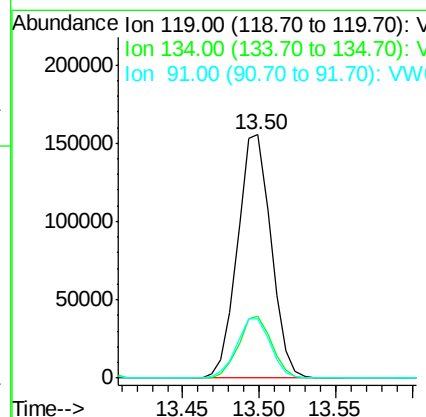
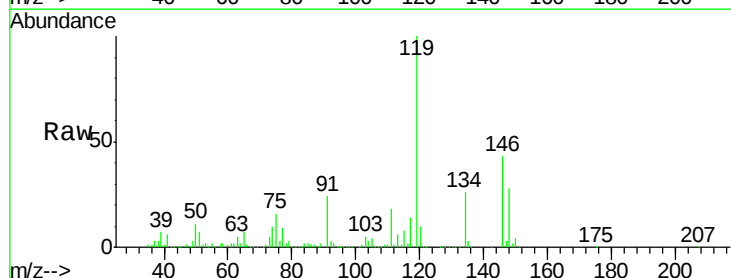
Manual Integrations  
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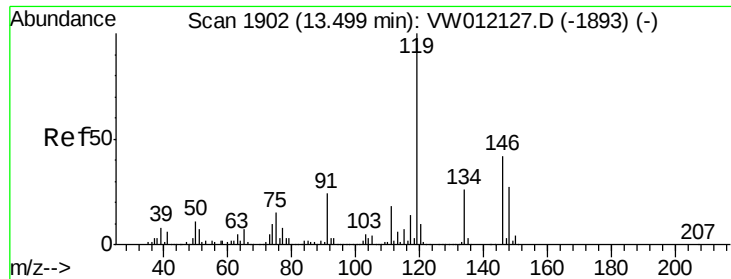
MMDadoda  
 9/6/2019 12:29:11 PM



#86  
 p-Isopropyltoluene  
 Concen: 22.170 ug/l  
 RT: 13.50 min Scan# 1902  
 Delta R.T. -0.00 min  
 Lab File: VW012633.D  
 Acq: 05 Sep 2019 11:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 25.2  | 12.8  | 38.3  |
| 91      | 24.6  | 12.3  | 36.9  |





#87

1,3-Dichlorobenzene

Concen: 21.895 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012633.D

Acq: 05 Sep 2019 11:49

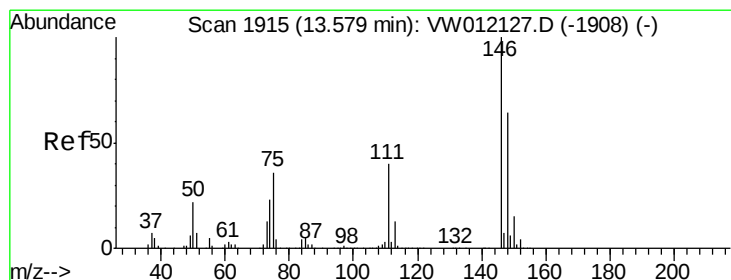
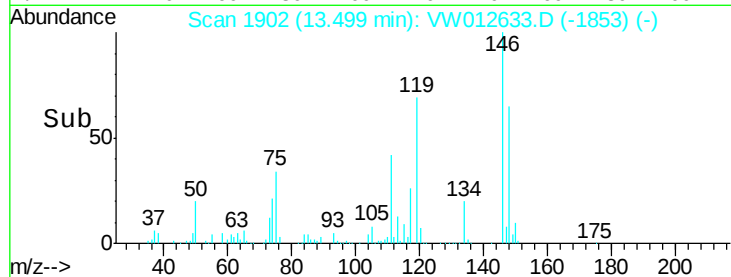
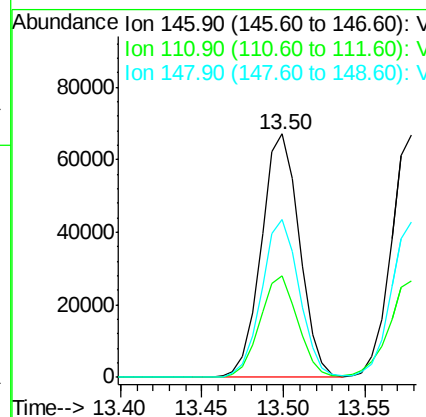
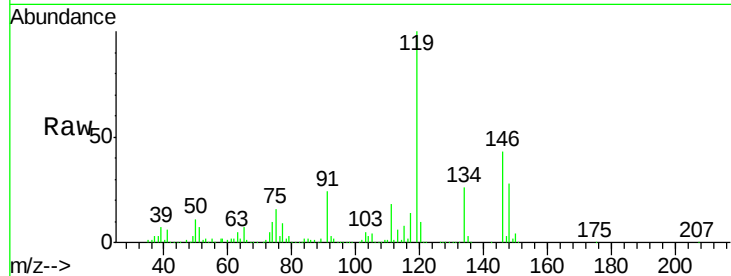
Instrument :  
MSVOA\_W

ClientSampleId :  
VW0905SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 108825 |       |       |
| 111     | 41.3  | 20.9   | 62.7  |       |
| 148     | 64.2  | 32.2   | 96.6  |       |

Manual Integrations  
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#88

1,4-Dichlorobenzene

Concen: 21.662 ug/l

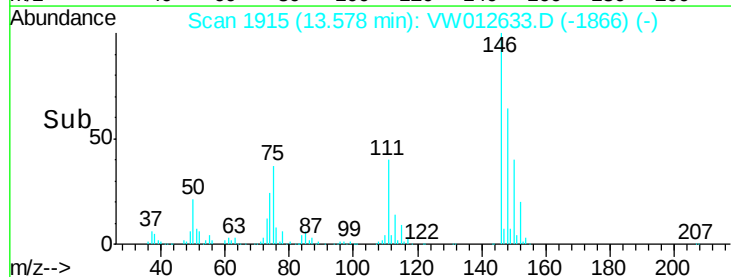
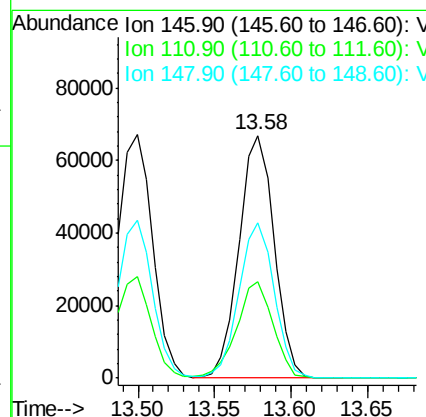
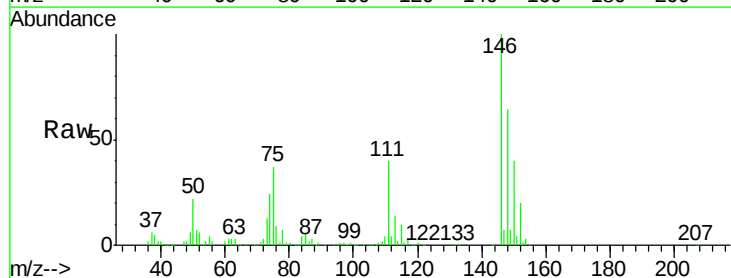
RT: 13.58 min Scan# 1915

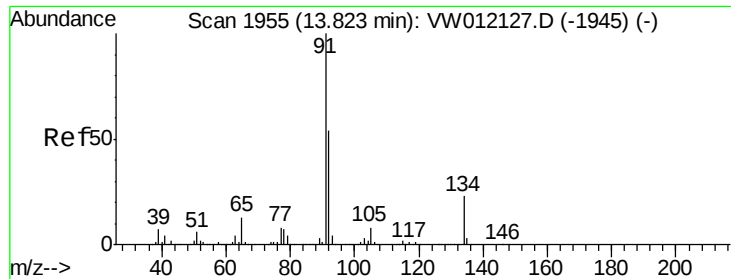
Delta R.T. -0.00 min

Lab File: VW012633.D

Acq: 05 Sep 2019 11:49

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 106906 |       |       |
| 111     | 41.4  | 20.0   | 60.0  |       |
| 148     | 64.3  | 32.1   | 96.3  |       |





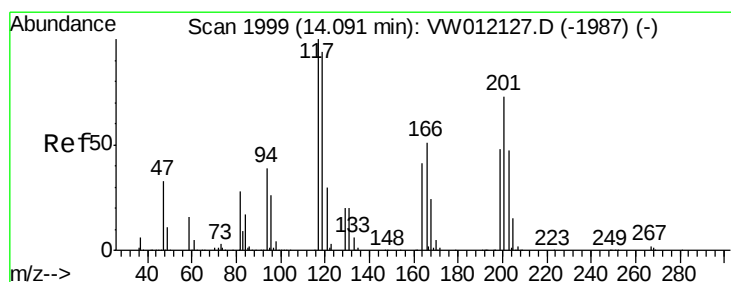
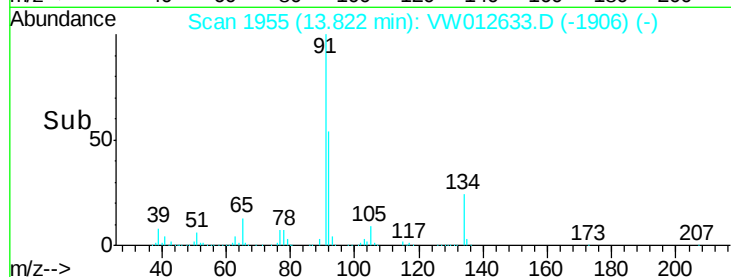
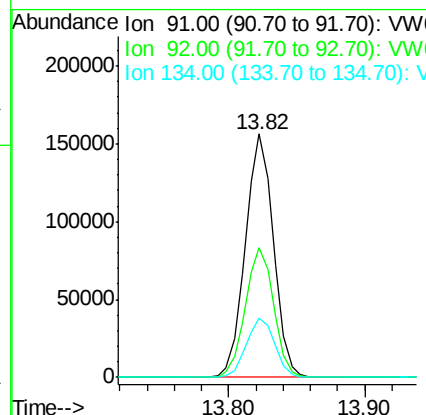
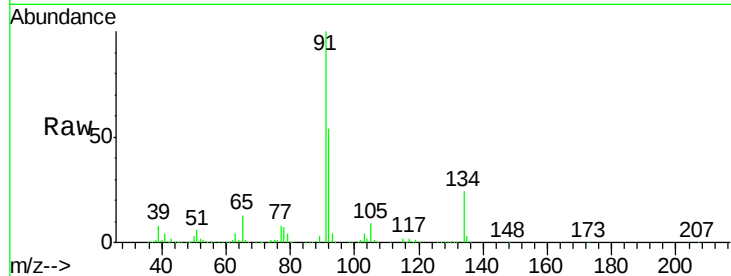
#89  
n-Butylbenzene  
Concen: 21.335 ug/l  
RT: 13.82 min Scan# 1955  
Delta R.T. -0.00 min  
Lab File: VW012633.D  
Acq: 05 Sep 2019 11:49

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0905SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 53.7  | 27.1  | 81.2  |
| 134     | 24.8  | 12.2  | 36.4  |

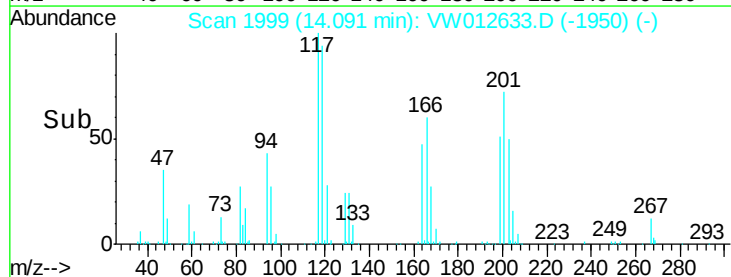
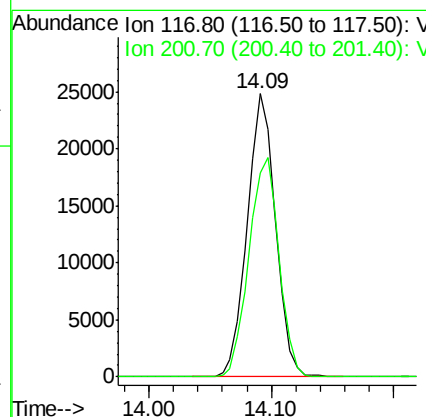
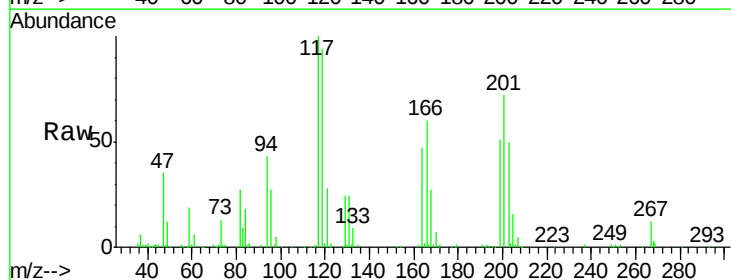
Manual Integrations  
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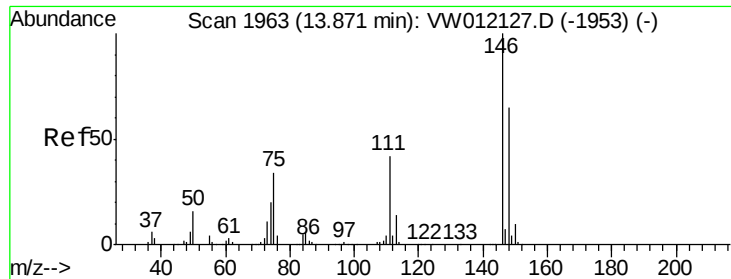
MMDadoda  
9/6/2019 12:29:11 PM



#90  
Hexachloroethane  
Concen: 21.419 ug/l  
RT: 14.09 min Scan# 1999  
Delta R.T. -0.00 min  
Lab File: VW012633.D  
Acq: 05 Sep 2019 11:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 82.3  | 38.6  | 115.7 |





#91

1,2-Dichlorobenzene

Concen: 22.007 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW012633.D

Acq: 05 Sep 2019 11:49

Instrument :

MSVOA\_W

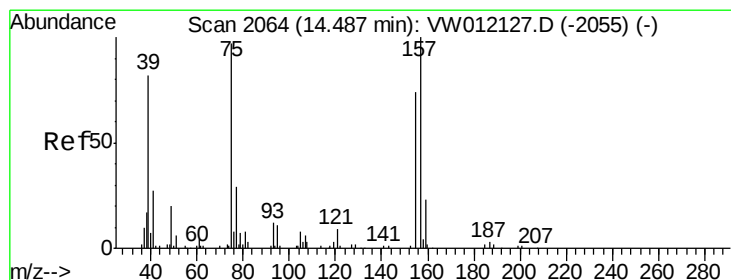
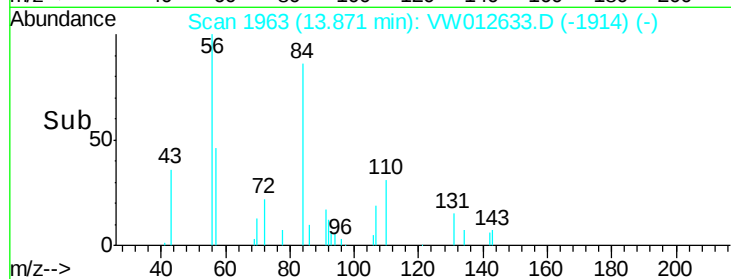
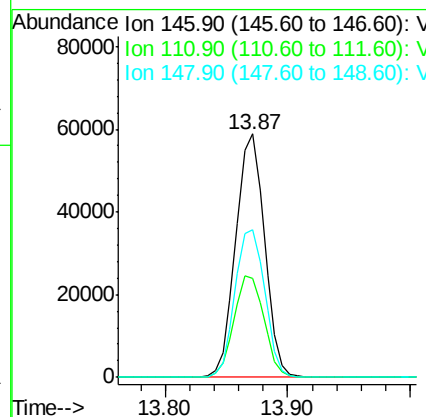
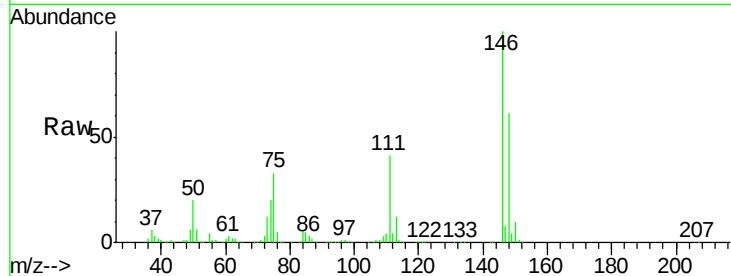
ClientSampleId :

VW0905SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 146   | Resp: | 95957 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 43.4  | 21.2  | 63.6  |
| 148       | 63.0  | 32.5  | 97.4  |

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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.026 ug/l

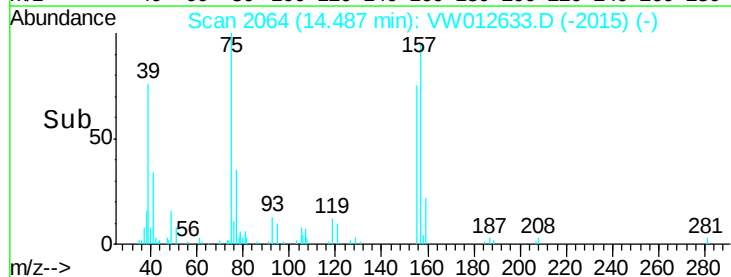
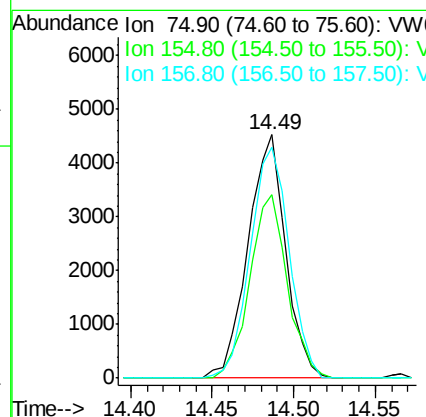
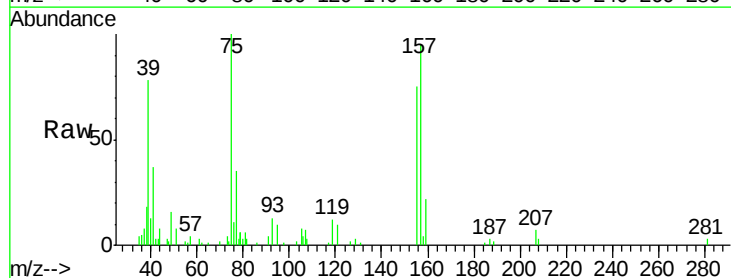
RT: 14.49 min Scan# 2064

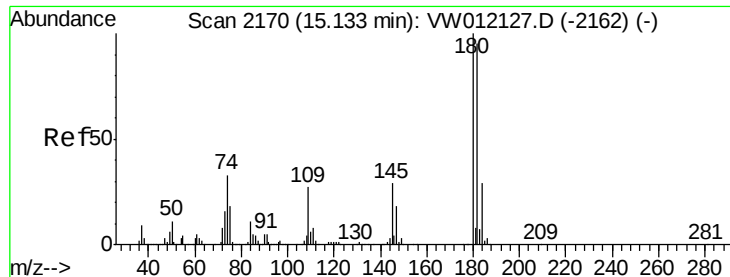
Delta R.T. -0.00 min

Lab File: VW012633.D

Acq: 05 Sep 2019 11:49

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 7270  |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 75.4  | 37.5  | 112.3 |
| 157       | 98.1  | 50.5  | 151.5 |





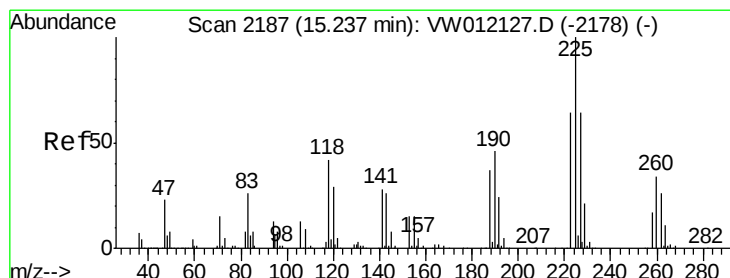
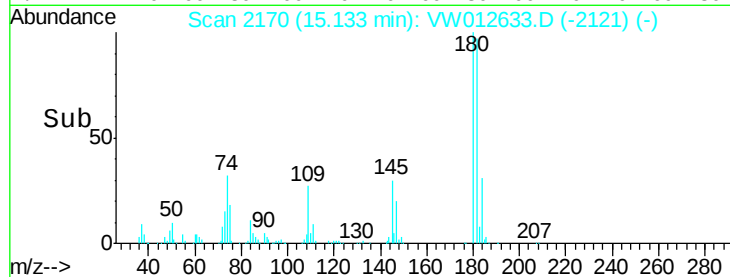
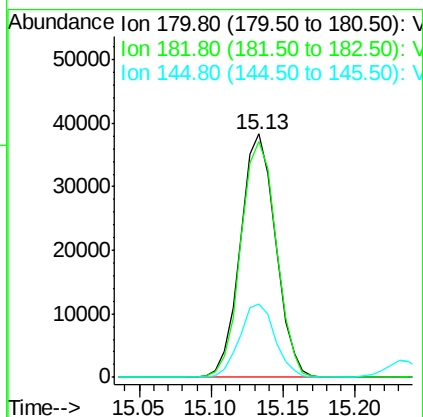
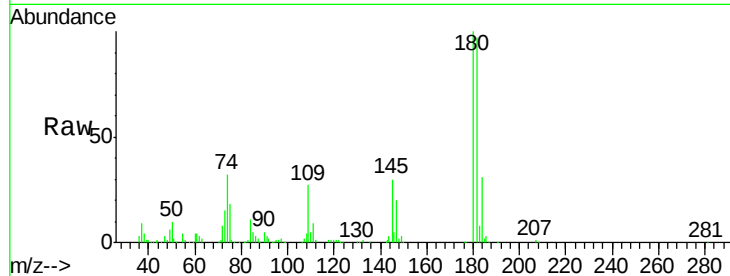
#93  
 1,2,4-Trichlorobenzene  
 Concen: 21.588 ug/l  
 RT: 15.13 min Scan# 2170  
 Delta R.T. -0.00 min  
 Lab File: VW012633.D  
 Acq: 05 Sep 2019 11:49

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0905SBS01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 65050 |       |       |
| 182     | 97.5  | 47.8  | 143.4 |       |
| 145     | 30.4  | 15.0  | 45.1  |       |

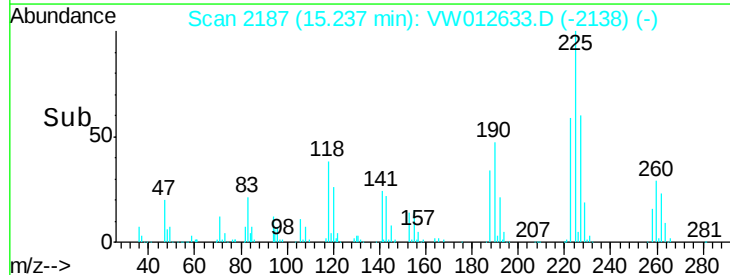
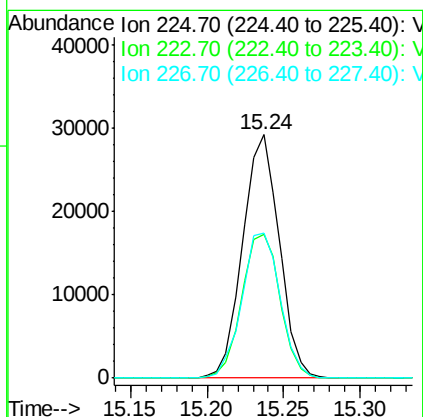
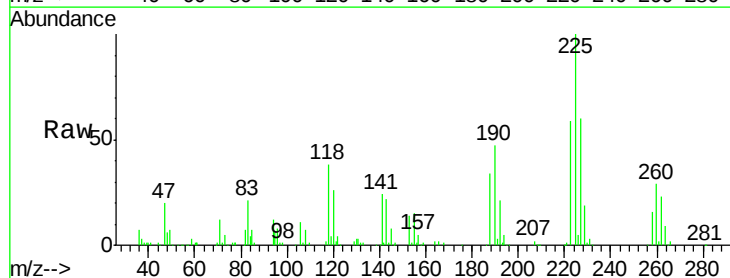
Manual Integrations  
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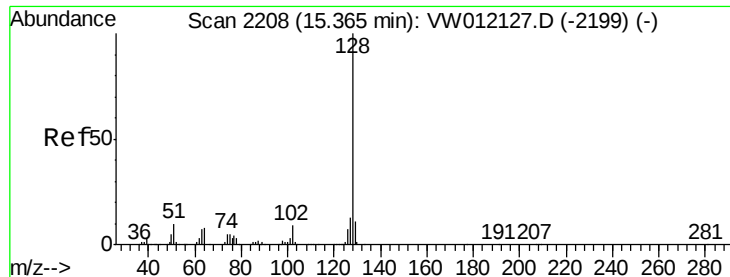
MMDadoda  
 9/6/2019 12:29:11 PM



#94  
 Hexachlorobutadiene  
 Concen: 24.371 ug/l  
 RT: 15.24 min Scan# 2187  
 Delta R.T. -0.00 min  
 Lab File: VW012633.D  
 Acq: 05 Sep 2019 11:49

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 48490 |       |       |
| 223     | 61.9  | 32.3  | 96.8  |       |
| 227     | 62.8  | 32.9  | 98.6  |       |





#95

Naphthalene

Concen: 20.445 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012633.D

Acq: 05 Sep 2019 11:49

Instrument :

MSVOA\_W

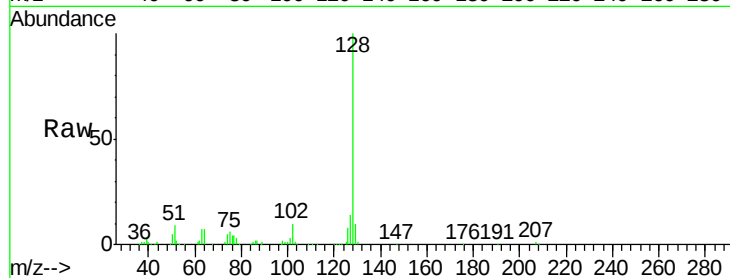
ClientSampleId :

VW0905SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 104359 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 14.0  | 10.7  | 16.1   |
| 129       | 10.9  | 8.7   | 13.1   |

Manual Integrations  
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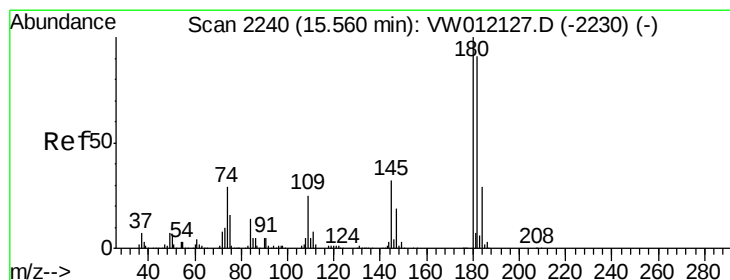
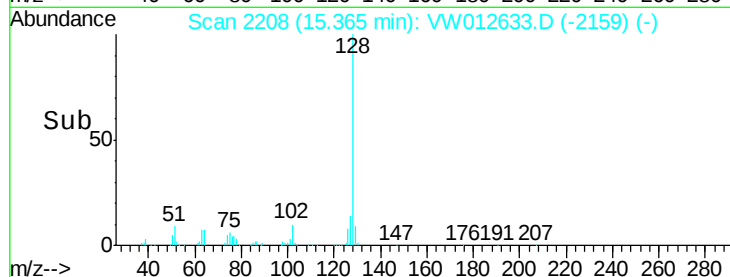
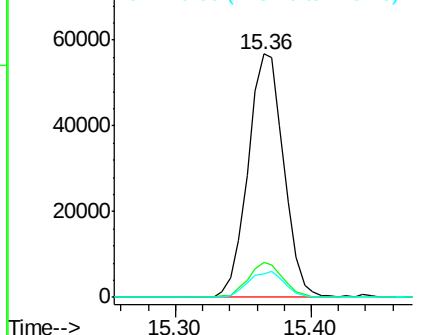
MMDadoda  
9/6/2019 12:29:11 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.585 ug/l

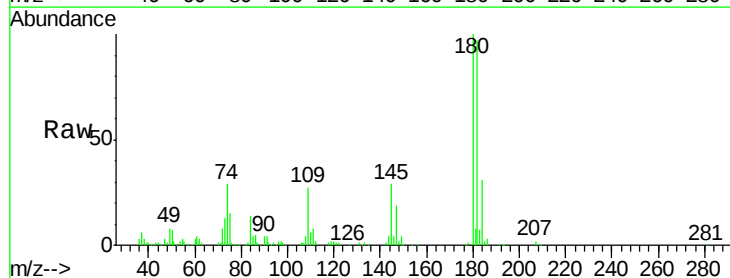
RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW012633.D

Acq: 05 Sep 2019 11:49

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 56745 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 95.5  | 47.1  | 141.3 |
| 145       | 31.0  | 16.2  | 48.5  |



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

