

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090419\  
 Data File : VU034220.D  
 Acq On : 03 Sep 2019 12:18  
 Operator : JC/SP  
 Sample : VU0904MBS01  
 Misc : 5.00µ/10mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0904MBS01

Manual Integrations  
 APPROVED

MMDadoda  
 9/4/2019 4:57:39 PM

Quant Time: Sep 04 05:09:21 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U082919W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 29 04:11:12 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.96  | 168  | 383790   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.86  | 114  | 604501   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.07  | 117  | 585802   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.46 | 152  | 314308   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 5.29  | 65   | 235621   | 47.91 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.82% |          |
| 35) Dibromofluoromethane    | 4.86  | 113  | 201711   | 48.11 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.22% |          |
| 50) Toluene-d8              | 7.55  | 98   | 775133   | 49.37 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.74% |          |
| 62) 4-Bromofluorobenzene    | 10.29 | 95   | 288430   | 47.23 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 94.46% |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units | Qvalue |
|-------------------------------|------|------|----------|---------|-------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85   | 71911    | 18.631  | ug/l  | 97     |
| 3) Chloromethane              | 1.32 | 50   | 91678    | 16.379  | ug/l  | 99     |
| 4) Vinyl Chloride             | 1.40 | 62   | 93819    | 18.262  | ug/l  | 96     |
| 5) Bromomethane               | 1.62 | 94   | 53760    | 18.026  | ug/l  | 98     |
| 6) Chloroethane               | 1.69 | 64   | 59521    | 18.952  | ug/l  | 98     |
| 7) Trichlorofluoromethane     | 1.88 | 101  | 114582   | 19.249  | ug/l  | 100    |
| 8) Diethyl Ether              | 2.09 | 74   | 50481    | 19.824  | ug/l  | 96     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.28 | 101  | 74090    | 19.648  | ug/l  | 98     |
| 10) Methyl Iodide             | 2.40 | 142  | 58819    | 10.996  | ug/l  | 100    |
| 11) Tert butyl alcohol        | 2.81 | 59   | 94062    | 82.944  | ug/l  | 99     |
| 12) 1,1-Dichloroethene        | 2.27 | 96   | 75582    | 19.672  | ug/l  | 98     |
| 13) Acrolein                  | 2.18 | 56   | 22444    | 47.047  | ug/l  | 99     |
| 14) Allyl chloride            | 2.58 | 41   | 137342m  | 19.012  | ug/l  |        |
| 15) Acrylonitrile             | 2.92 | 53   | 259695   | 99.796  | ug/l  | 99     |
| 16) Acetone                   | 2.31 | 43   | 227146   | 90.525  | ug/l  | 100    |
| 17) Carbon Disulfide          | 2.47 | 76   | 202070   | 16.617  | ug/l  | 100    |
| 18) Methyl Acetate            | 2.60 | 43   | 126121   | 19.450  | ug/l  | 99     |
| 19) Methyl tert-butyl Ether   | 2.98 | 73   | 255219   | 20.274  | ug/l  | 100    |
| 20) Methylene Chloride        | 2.69 | 84   | 90951    | 19.147  | ug/l  | 99     |
| 21) trans-1,2-Dichloroethene  | 2.97 | 96   | 80175    | 19.227  | ug/l  | 99     |
| 22) Diisopropyl ether         | 3.55 | 45   | 271065   | 20.478  | ug/l  | 94     |
| 23) Vinyl Acetate             | 3.50 | 43   | 1119392  | 98.442  | ug/l  | 100    |
| 24) 1,1-Dichloroethane        | 3.43 | 63   | 158617   | 20.296  | ug/l  | 100    |
| 25) 2-Butanone                | 4.24 | 43   | 343193   | 98.309  | ug/l  | 99     |
| 26) 2,2-Dichloropropane       | 4.20 | 77   | 122029   | 19.190  | ug/l  | 99     |
| 27) cis-1,2-Dichloroethene    | 4.20 | 96   | 90167    | 19.265  | ug/l  | 99     |
| 28) Bromochloromethane        | 4.52 | 49   | 76793    | 19.945  | ug/l  | 99     |
| 29) Tetrahydrofuran           | 4.62 | 42   | 218082   | 101.298 | ug/l  | 99     |
| 30) Chloroform                | 4.65 | 83   | 153942   | 19.743  | ug/l  | 99     |
| 31) Cyclohexane               | 4.97 | 56   | 133381   | 18.163  | ug/l  | 96     |
| 32) 1,1,1-Trichloroethane     | 4.89 | 97   | 125827   | 19.704  | ug/l  | 99     |
| 36) 1,1-Dichloropropene       | 5.12 | 75   | 109972   | 19.233  | ug/l  | 99     |
| 37) Ethyl Acetate             | 4.36 | 43   | 122638   | 19.153  | ug/l  | 99     |
| 38) Carbon Tetrachloride      | 5.11 | 117  | 107693   | 19.513  | ug/l  | 98     |

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 Acq On : 03 Sep 2019 12:18  
 Operator : JC/SP  
 Sample : VU0904MBS01  
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0904MBS01

Manual Integrations  
 APPROVED

MMDadoda  
 9/4/2019 4:57:39 PM

Quant Time: Sep 04 05:09:21 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U082919W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 29 04:11:12 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 6.40  | 83   | 118414   | 17.571  | ug/l   | 95       |
| 40) Benzene                    | 5.37  | 78   | 338727   | 19.580  | ug/l   | 99       |
| 41) Methacrylonitrile          | 4.52  | 41   | 67426    | 20.533  | ug/l   | 98       |
| 42) 1,2-Dichloroethane         | 5.38  | 62   | 118329   | 19.808  | ug/l   | 98       |
| 43) Isopropyl Acetate          | 5.53  | 43   | 191485   | 19.657  | ug/l   | 99       |
| 44) Trichloroethene            | 6.17  | 130  | 89435    | 19.687  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 6.41  | 63   | 94366    | 19.816  | ug/l   | 100      |
| 46) Dibromomethane             | 6.54  | 93   | 61519    | 20.051  | ug/l   | 99       |
| 47) Bromodichloromethane       | 6.74  | 83   | 117663   | 19.602  | ug/l   | 100      |
| 48) Methyl methacrylate        | 6.60  | 41   | 86609    | 18.425  | ug/l   | 96       |
| 49) 1,4-Dioxane                | 6.59  | 88   | 36495    | 309.869 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone       | 7.44  | 43   | 644964   | 95.873  | ug/l   | 99       |
| 52) Toluene                    | 7.62  | 92   | 213615   | 20.045  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 7.86  | 75   | 126269   | 18.958  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 7.25  | 75   | 142000   | 19.515  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 8.05  | 97   | 89604    | 19.878  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 8.00  | 69   | 123523   | 17.171  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 8.22  | 76   | 149379   | 19.517  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 7.11  | 63   | 216609   | 86.859  | ug/l   | 99       |
| 59) 2-Hexanone                 | 8.34  | 43   | 480297   | 94.575  | ug/l   | 100      |
| 60) Dibromochloromethane       | 8.46  | 129  | 95059    | 19.645  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 8.57  | 107  | 89416    | 18.831  | ug/l   | 96       |
| 64) Tetrachloroethene          | 8.21  | 164  | 79623    | 20.239  | ug/l   | 98       |
| 65) Chlorobenzene              | 9.10  | 112  | 234832   | 19.480  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane  | 9.19  | 131  | 82912    | 18.967  | ug/l   | 99       |
| 67) Ethyl Benzene              | 9.23  | 91   | 396501   | 19.403  | ug/l   | 98       |
| 68) m/p-Xylenes                | 9.36  | 106  | 305764   | 39.351  | ug/l   | 100      |
| 69) o-Xylene                   | 9.76  | 106  | 145090   | 19.463  | ug/l   | 99       |
| 70) Styrene                    | 9.77  | 104  | 256049   | 20.032  | ug/l   | 99       |
| 71) Bromoform                  | 9.94  | 173  | 71066    | 18.711  | ug/l # | 99       |
| 73) Isopropylbenzene           | 10.15 | 105  | 393607   | 18.644  | ug/l   | 99       |
| 74) N-amyl acetate             | 10.00 | 43   | 157790   | 17.770  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 10.44 | 83   | 151419   | 18.739  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 10.48 | 75   | 130622m  | 18.439  | ug/l   |          |
| 77) Bromobenzene               | 10.43 | 156  | 106797   | 18.805  | ug/l   | 100      |
| 78) n-propylbenzene            | 10.57 | 91   | 460335   | 18.723  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 10.64 | 91   | 279269   | 18.937  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 10.75 | 105  | 343231   | 19.182  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 10.49 | 75   | 40293m   | 19.153  | ug/l   |          |
| 82) 4-Chlorotoluene            | 10.75 | 91   | 321848   | 18.976  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 11.08 | 119  | 317894   | 18.047  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 11.13 | 105  | 341675   | 19.230  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 11.30 | 105  | 393619   | 18.644  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 11.46 | 119  | 357657   | 18.731  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 11.40 | 146  | 191721   | 19.069  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 11.49 | 146  | 193590   | 19.039  | ug/l   | 99       |
| 89) n-Butylbenzene             | 11.87 | 91   | 307833   | 18.286  | ug/l   | 100      |
| 90) Hexachloroethane           | 12.12 | 117  | 52602    | 15.934  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 11.86 | 146  | 187330   | 19.450  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 12.64 | 75   | 28619    | 17.778  | ug/l   | 97       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU090419\  
Data File : VU034220.D  
Acq On : 03 Sep 2019 12:18  
Operator : JC/SP  
Sample : VU0904MBS01  
Misc : 5.00g/10mL/100uL/5.0mL/MSVOA\_U/MEOH  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0904MBS01

Manual Integrations  
APPROVED

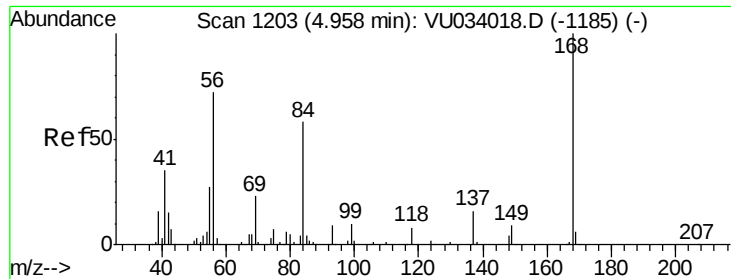
MMDadoda  
9/4/2019 4:57:39 PM

Quant Time: Sep 04 05:09:21 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U082919W.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 29 04:11:12 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.49 | 180  | 112450   | 17.163 | ug/l  | 97       |
| 94) Hexachlorobutadiene    | 13.67 | 225  | 62388    | 16.559 | ug/l  | 99       |
| 95) Naphthalene            | 13.73 | 128  | 319343   | 17.485 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 13.97 | 180  | 119748   | 19.409 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

Instrument :

MSVOA\_U

ClientSampleId :

VU0904MBS01

Tot Ion:168 Resp: 383790

Ion Ratio Lower Upper

168 100

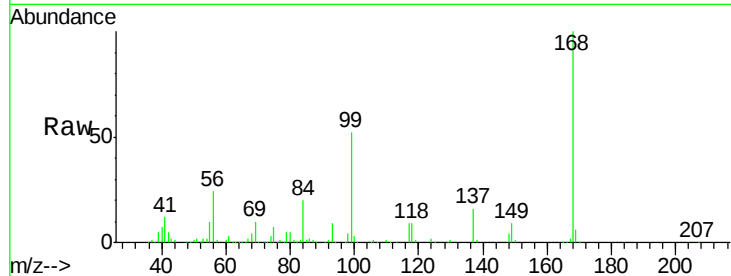
99 51.5 42.3 63.5

Manual Integrations

APPROVED

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9/4/2019 4:57:39 PM



Abundance Ion 167.90 (167.60 to 168.60): VU034018.D (-1185) (-)

Ion 98.90 (98.60 to 99.60): VU034018.D (-1185) (-)

200000

150000

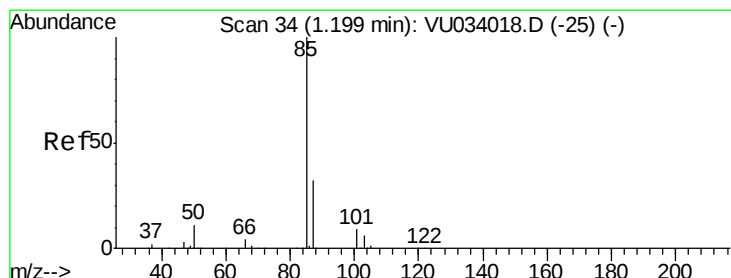
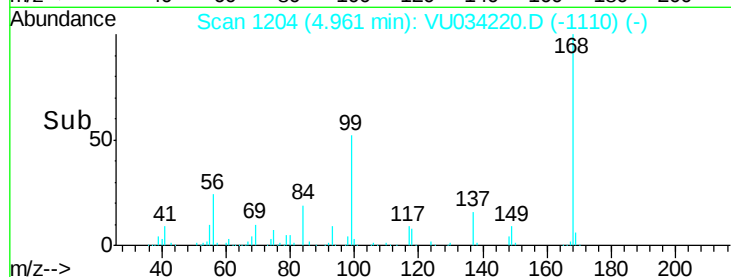
100000

50000

0

4.90 4.96 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.631 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034220.D

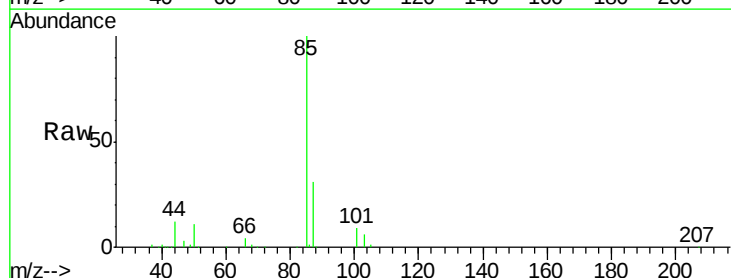
Acq: 03 Sep 2019 12:18

Tgt Ion: 85 Resp: 71911

Ion Ratio Lower Upper

85 100

87 30.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VU034018.D (-25) (-)

Ion 86.90 (86.60 to 87.60): VU034018.D (-25) (-)

80000

60000

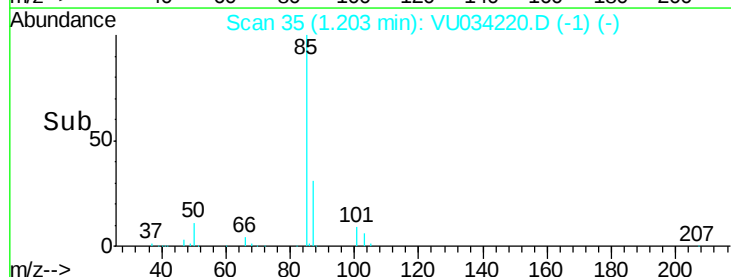
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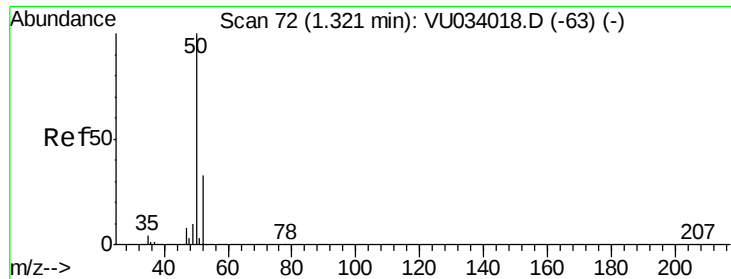
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1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 16.379 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

Instrument :

MSVOA\_U

ClientSampleId :

VU0904MBS01

Tot Ion: 50 Resp: 91678

Ion Ratio Lower Upper

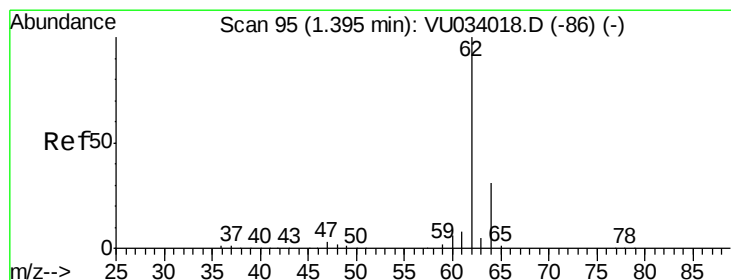
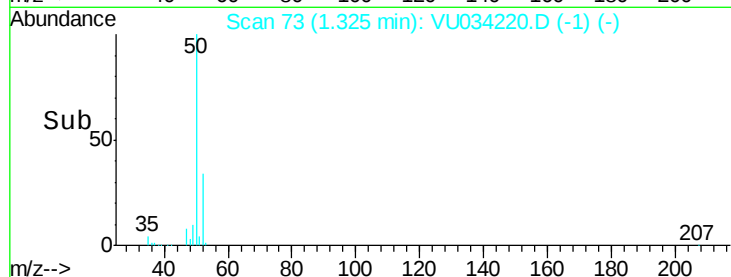
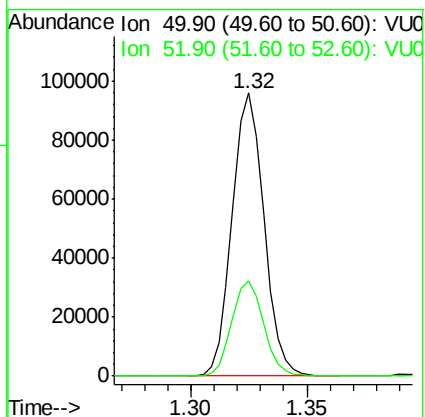
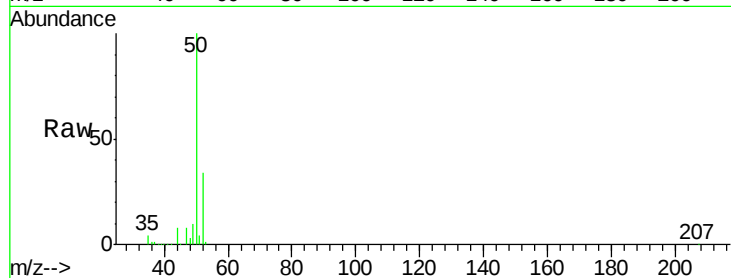
50 100

52 33.6 26.2 39.4

Manual Integrations  
APPROVED

MMDadoda

9/4/2019 4:57:39 PM



#4

Vinyl Chloride

Concen: 18.262 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034220.D

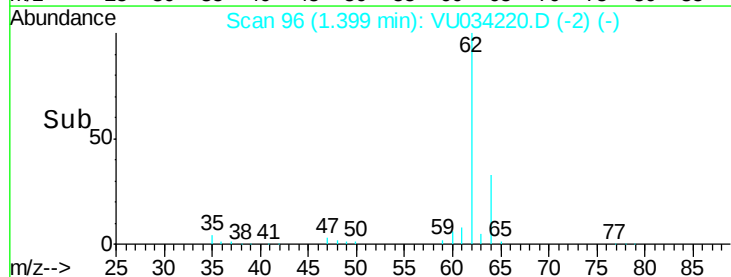
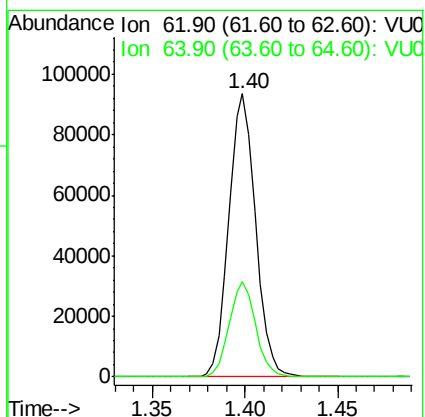
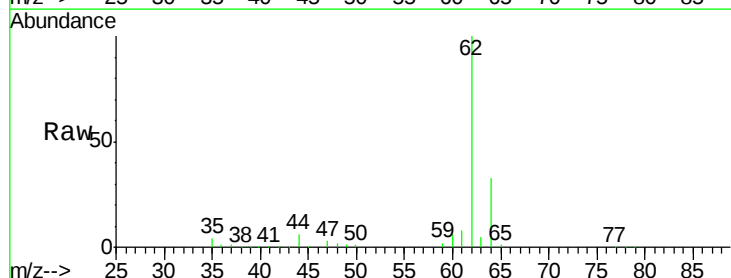
Acq: 03 Sep 2019 12:18

Tgt Ion: 62 Resp: 93819

Ion Ratio Lower Upper

62 100

64 33.3 25.0 37.6





#5

Bromomethane

Concen: 18.026 ug/l

RT: 1.62 min Scan# 165

Delta R.T. 0.02 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

Instrument :

MSVOA\_U

ClientSampleId :

VU0904MBS01

Tot Ion: 94 Resp: 53760

Ion Ratio Lower Upper

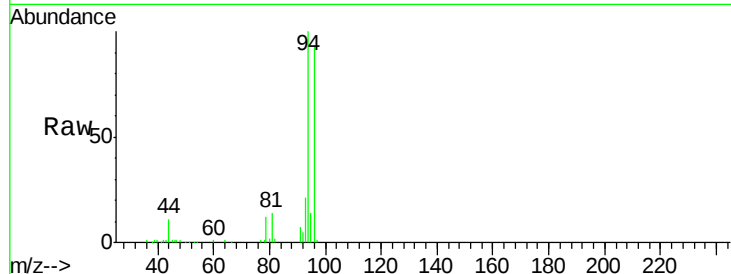
94 100

96 93.0 76.3 114.5

Manual Integrations  
APPROVED

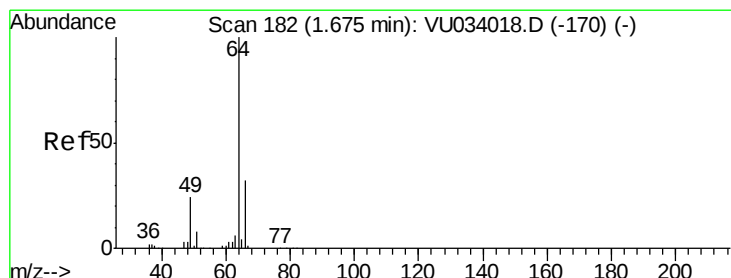
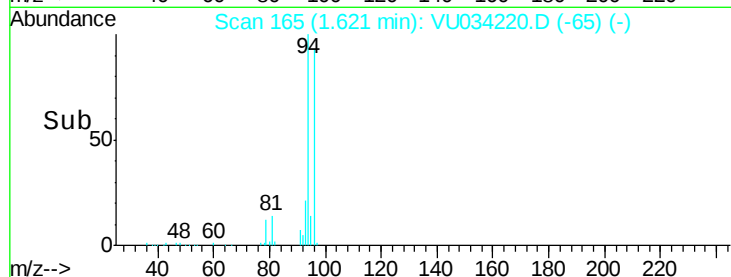
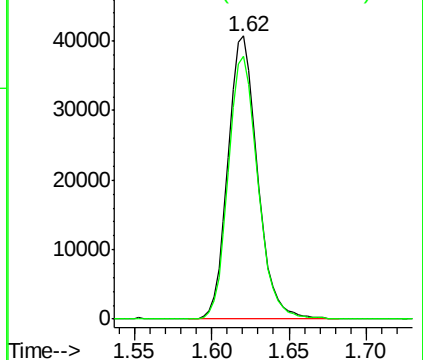
MMDadoda

9/4/2019 4:57:39 PM



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 18.952 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.02 min

Lab File: VU034220.D

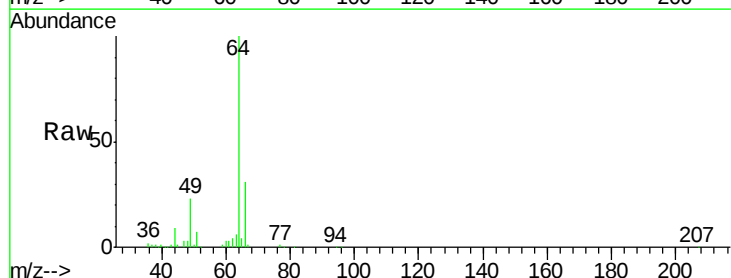
Acq: 03 Sep 2019 12:18

Tgt Ion: 64 Resp: 59521

Ion Ratio Lower Upper

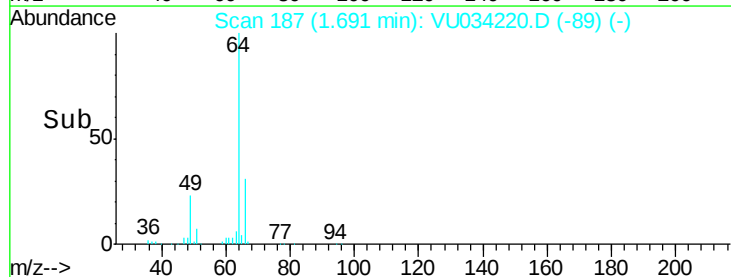
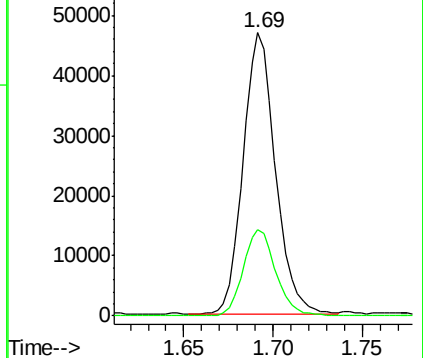
64 100

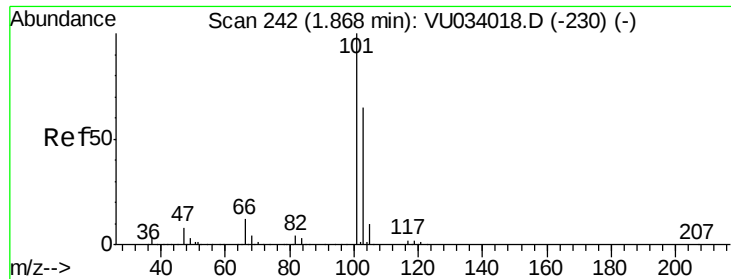
66 30.8 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

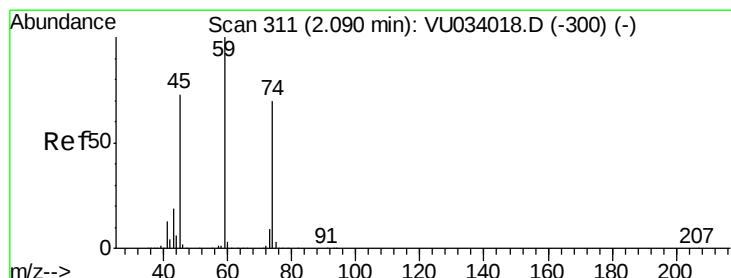
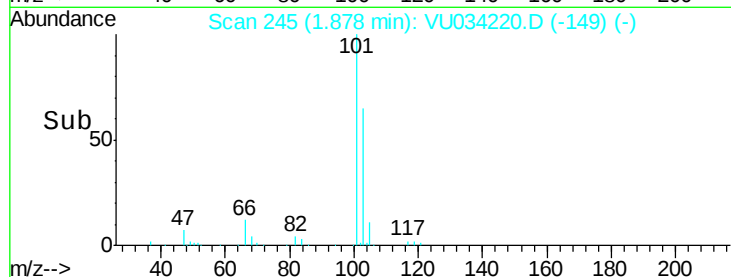
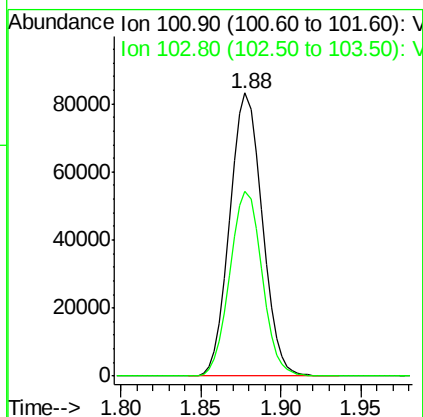
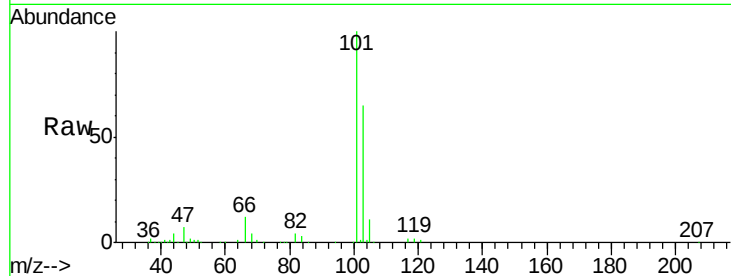
Trichlorofluoromethane  
Concen: 19.249 ug/l  
RT: 1.88 min Scan# 245  
Delta R.T. 0.01 min  
Lab File: VU034220.D  
Acq: 03 Sep 2019 12:18

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0904MBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 101     | 100   | 114582 |       |       |
| 103     | 65.5  | 52.1   | 78.1  |       |

Manual Integrations  
APPROVED

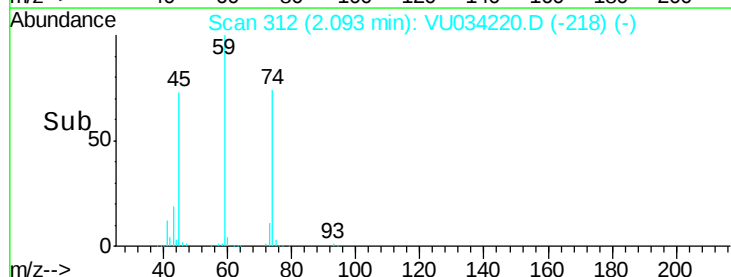
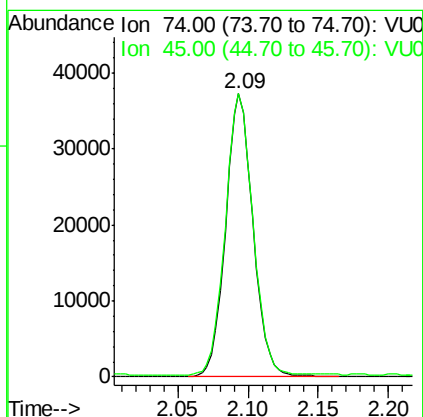
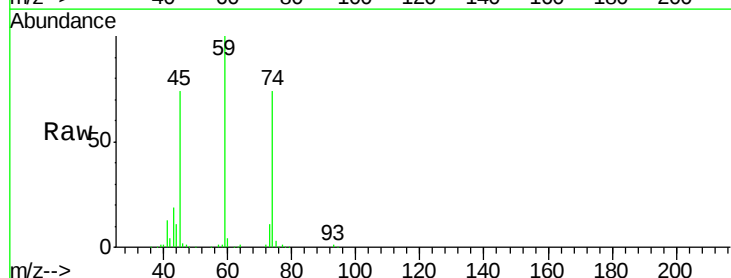
MMDadoda  
9/4/2019 4:57:39 PM

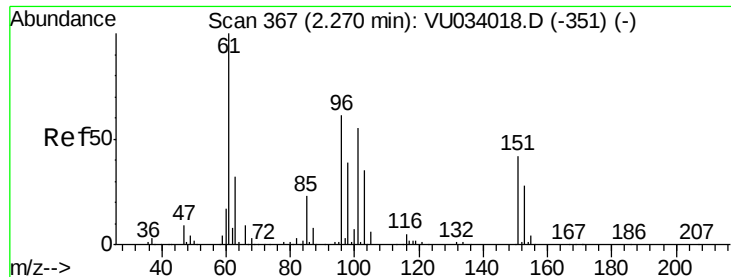


#8

Diethyl Ether  
Concen: 19.824 ug/l  
RT: 2.09 min Scan# 312  
Delta R.T. 0.00 min  
Lab File: VU034220.D  
Acq: 03 Sep 2019 12:18

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 74      | 100   | 50481 |       |       |
| 45      | 99.6  | 51.8  | 155.5 |       |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.648 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.01 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

Instrument :

MSVOA\_U

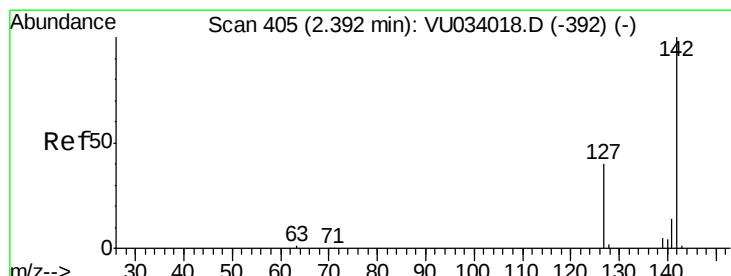
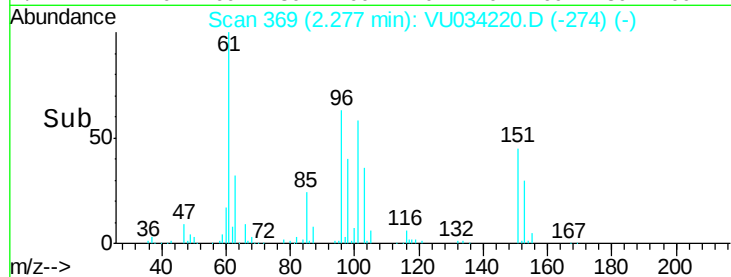
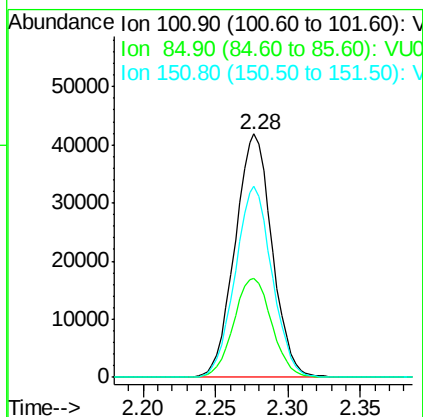
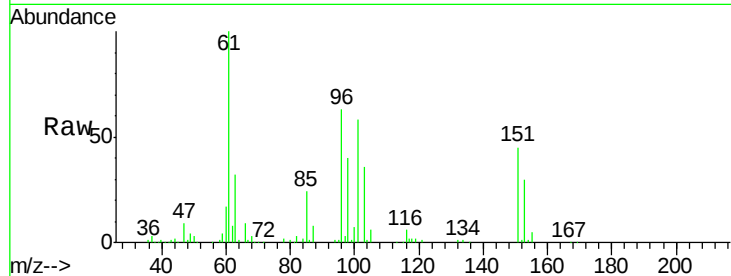
ClientSampleId :

VU0904MBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 74090 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 41.9  | 34.2  | 51.2  |
| 151       | 78.3  | 61.4  | 92.2  |

Manual Integrations  
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MMDadoda  
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#10

Methyl Iodide

Concen: 10.996 ug/l

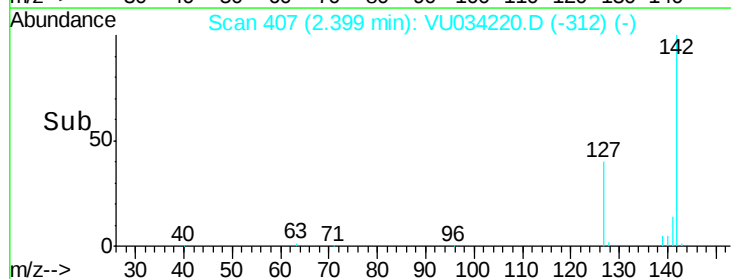
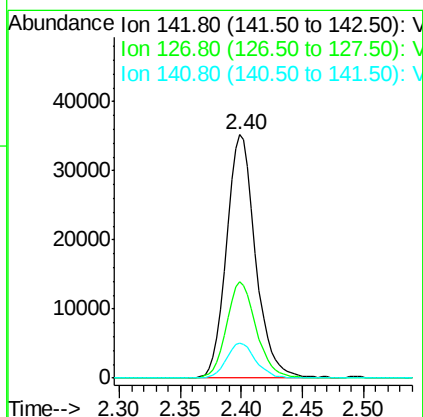
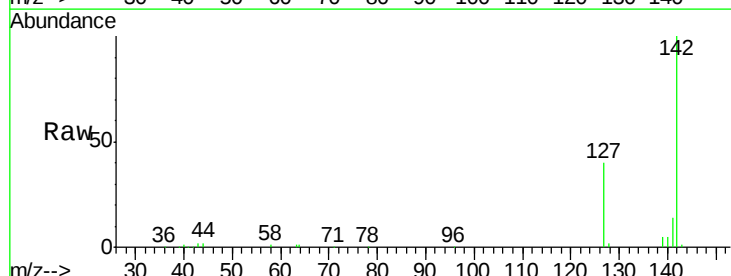
RT: 2.40 min Scan# 407

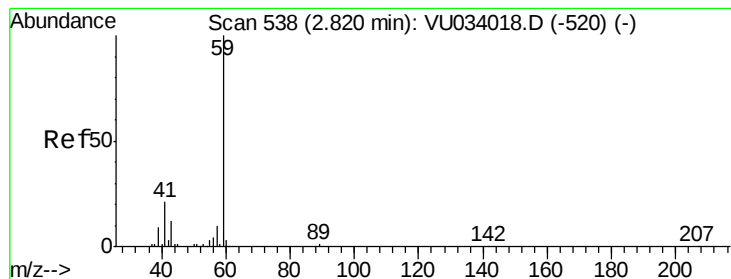
Delta R.T. 0.01 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 58819 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 40.5  | 32.6  | 48.8  |
| 141       | 14.3  | 11.3  | 16.9  |





#11

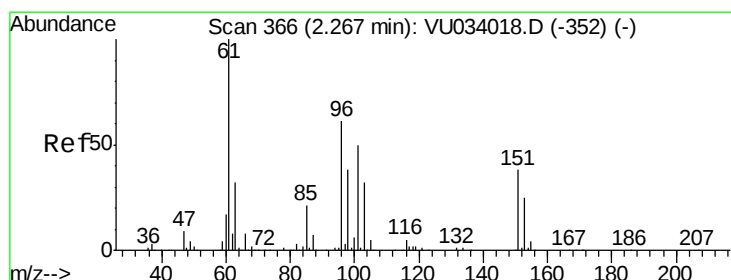
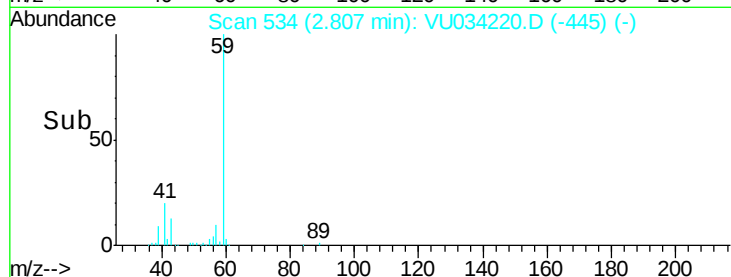
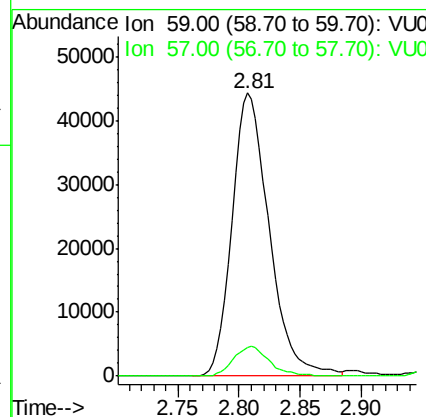
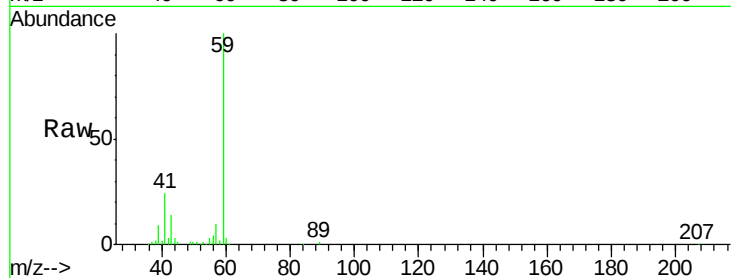
Tert butyl alcohol  
 Concen: 82.944 ug/l  
 RT: 2.81 min Scan# 534  
 Delta R.T. -0.01 min  
 Lab File: VU034220.D  
 Acq: 03 Sep 2019 12:18

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0904MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.3  | 8.0   | 12.0  |

Manual Integrations  
 APPROVED

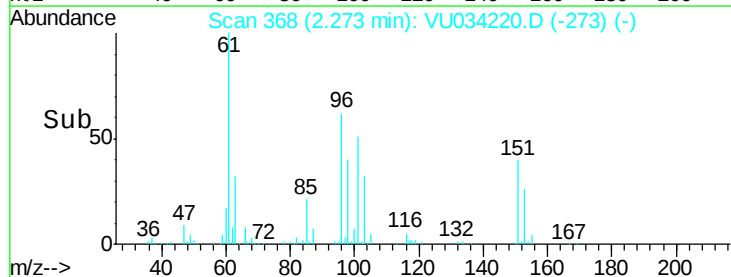
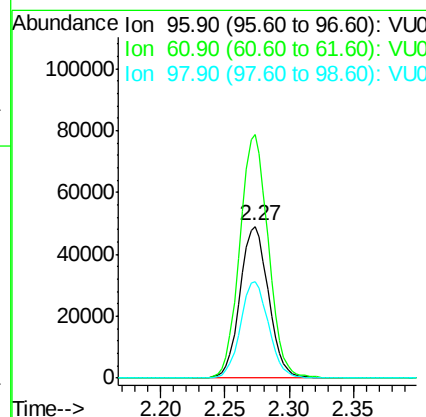
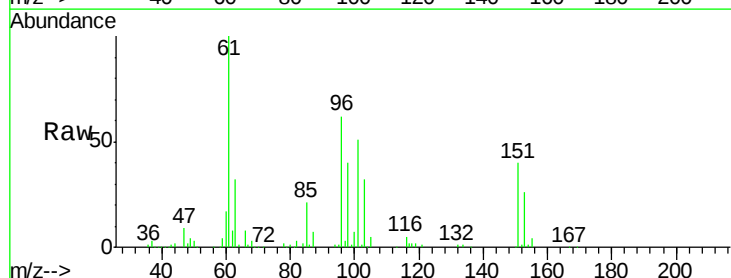
MMDadoda  
 9/4/2019 4:57:39 PM

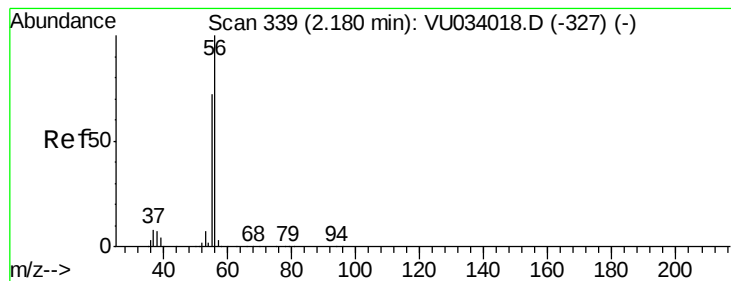


#12

1,1-Dichloroethene  
 Concen: 19.672 ug/l  
 RT: 2.27 min Scan# 368  
 Delta R.T. 0.01 min  
 Lab File: VU034220.D  
 Acq: 03 Sep 2019 12:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 160.1 | 131.3 | 196.9 |
| 98      | 63.6  | 50.3  | 75.5  |





#13

Acrolein

Concen: 47.047 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

Instrument :

MSVOA\_U

ClientSampleId :

VU0904MBS01

Tot Ion: 56 Resp: 22444

Ion Ratio Lower Upper

56 100

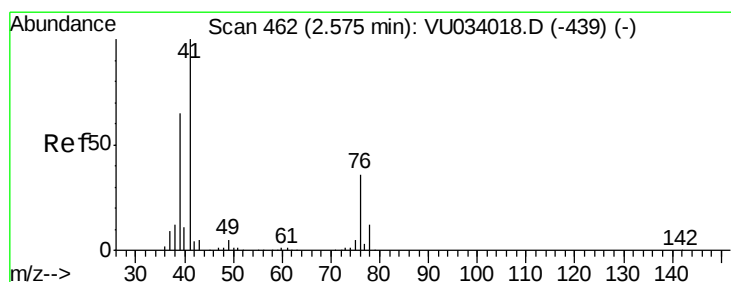
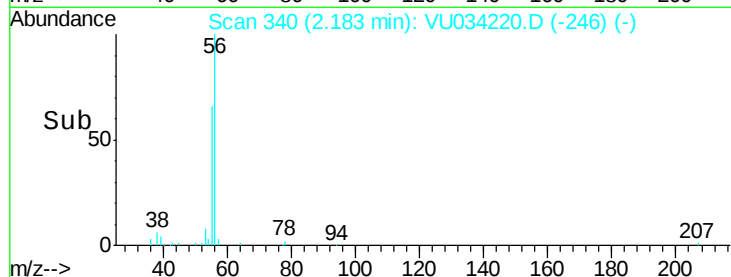
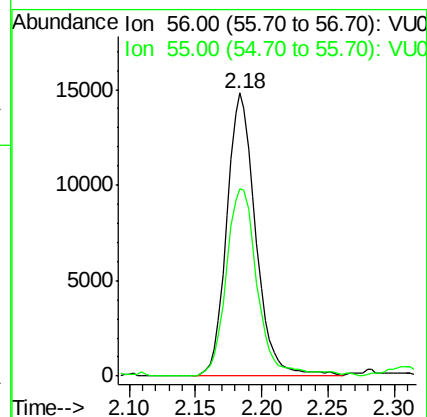
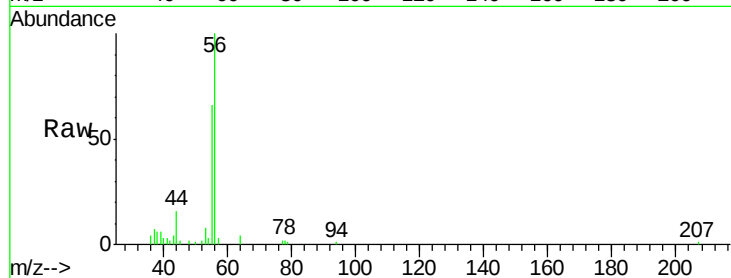
55 70.9 57.1 85.7

Manual Integrations

APPROVED

MMDadoda

9/4/2019 4:57:39 PM



#14

Allyl chloride

Concen: 19.012 ug/l m

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

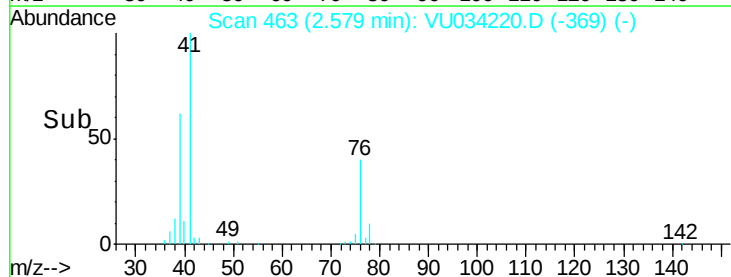
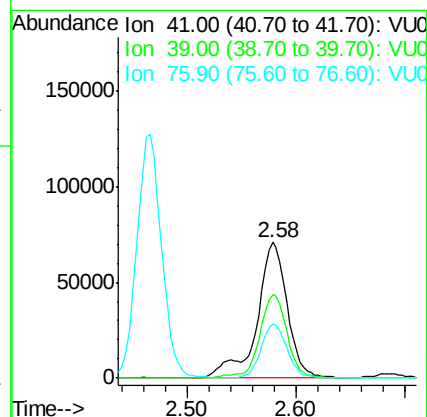
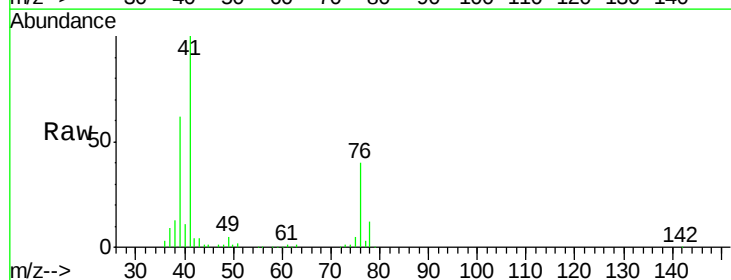
Tgt Ion: 41 Resp: 137342

Ion Ratio Lower Upper

41 100

39 56.1 46.8 70.2

76 33.3 26.6 40.0





#15

Acrylonitrile

Concen: 99.796 ug/l

RT: 2.92 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

Instrument :

MSVOA\_U

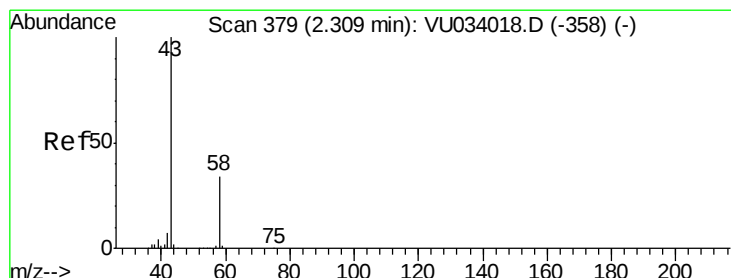
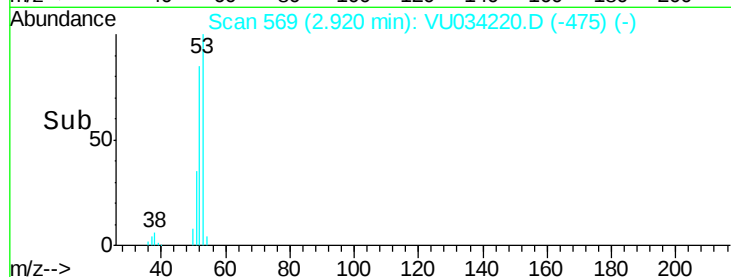
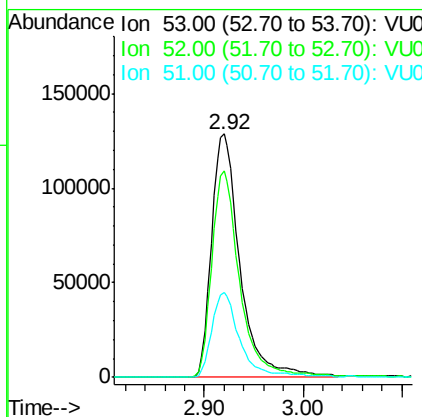
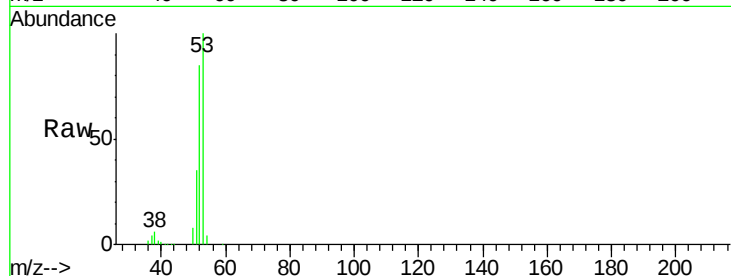
ClientSampleId :

VU0904MBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 259695 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 83.7  | 65.7  | 98.5   |
| 51       | 34.8  | 27.9  | 41.9   |

Manual Integrations  
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9/4/2019 4:57:39 PM



#16

Acetone

Concen: 90.525 ug/l

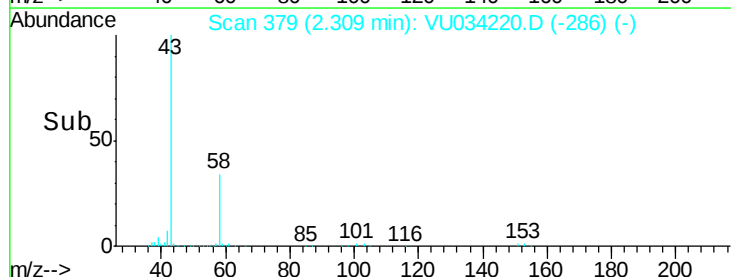
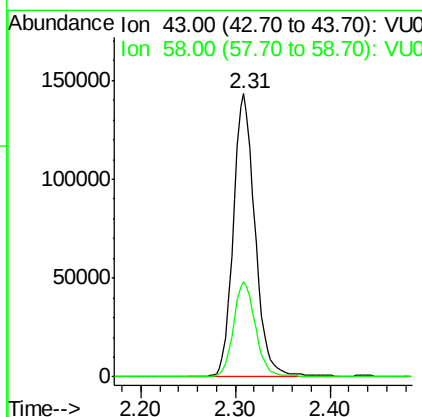
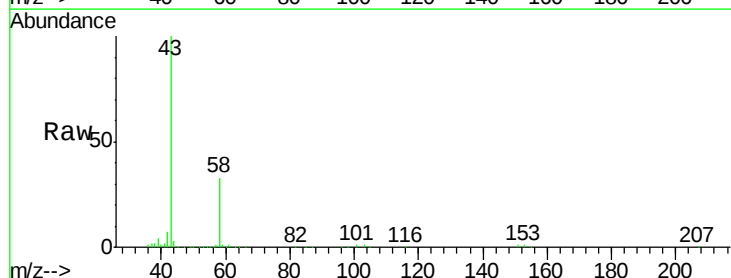
RT: 2.31 min Scan# 379

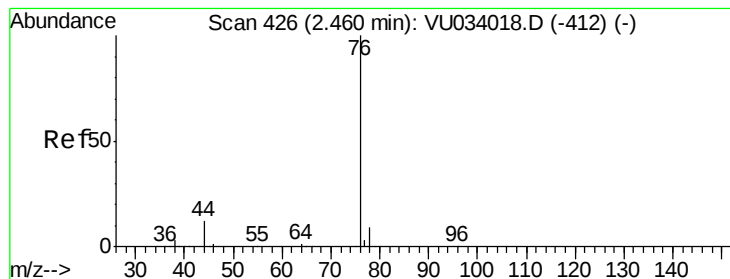
Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 227146 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 33.5  | 26.8  | 40.2   |





#17

Carbon Disulfide

Concen: 16.617 ug/l

RT: 2.47 min Scan# 428

Delta R.T. 0.01 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

Instrument :

MSVOA\_U

ClientSampleId :

VU0904MBS01

Tot Ion: 76 Resp: 202070

Ion Ratio Lower Upper

76 100

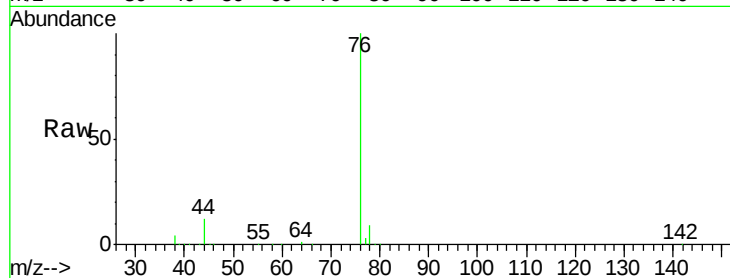
78 8.8 7.1 10.7

Manual Integrations

APPROVED

MMDadoda

9/4/2019 4:57:39 PM



Abundance Ion 75.90 (75.60 to 76.60): VU034220.D (-333) (-)

Ion 77.90 (77.60 to 78.60): VU034220.D (-333) (-)

2.47

150000

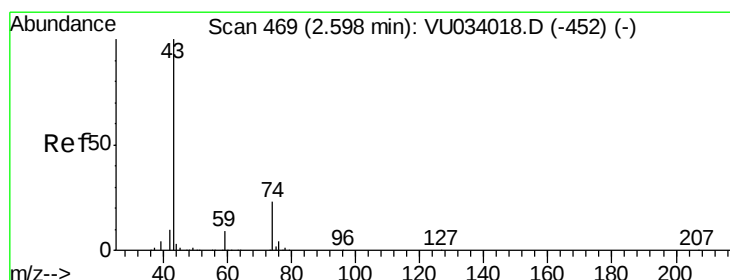
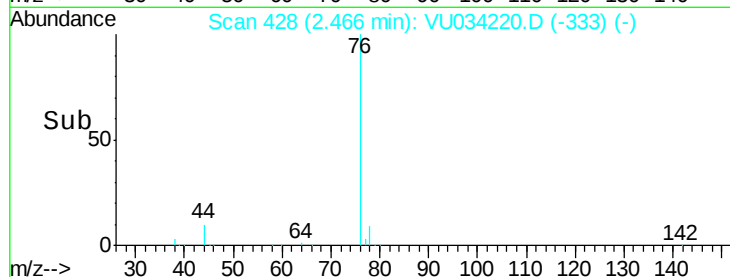
100000

50000

0

2.40 2.45 2.50 2.55

Time-->



#18

Methyl Acetate

Concen: 19.450 ug/l

RT: 2.60 min Scan# 471

Delta R.T. 0.01 min

Lab File: VU034220.D

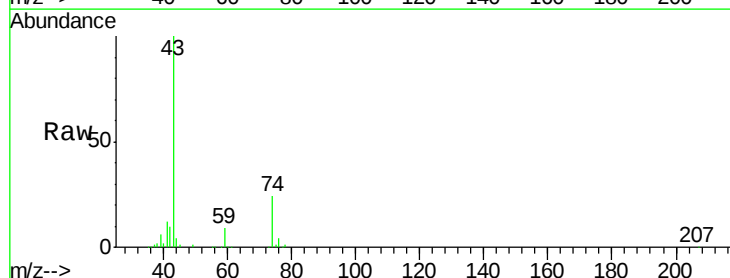
Acq: 03 Sep 2019 12:18

Tgt Ion: 43 Resp: 126121

Ion Ratio Lower Upper

43 100

74 23.7 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VU034220.D (-376) (-)

Ion 74.00 (73.70 to 74.70): VU034220.D (-376) (-)

2.60

80000

60000

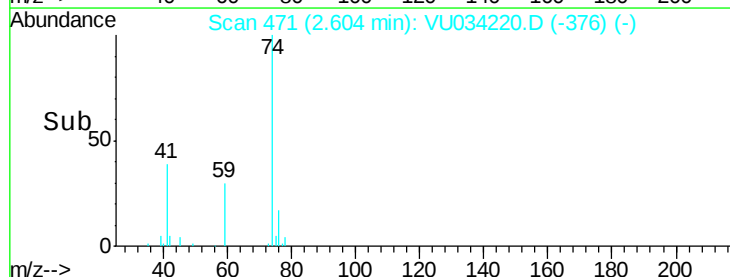
40000

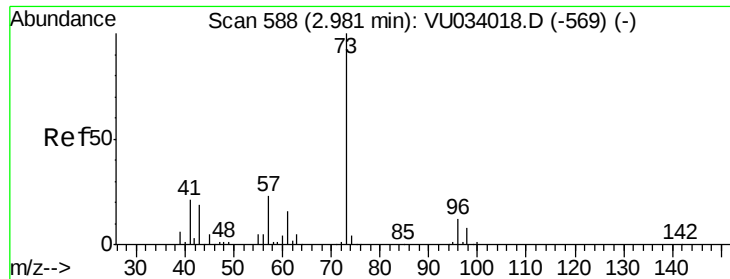
20000

0

2.50 2.60 2.70

Time-->





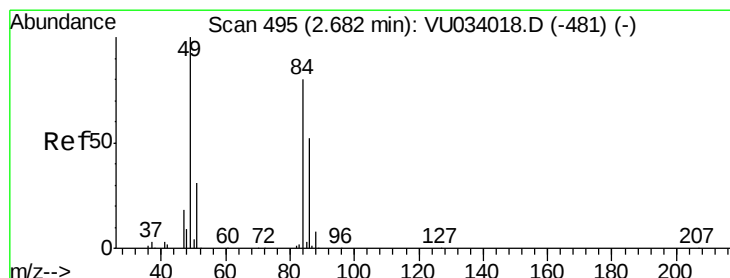
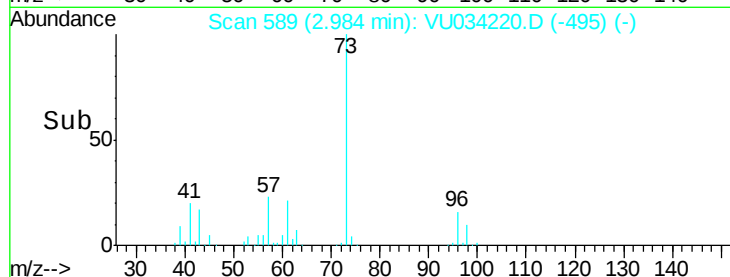
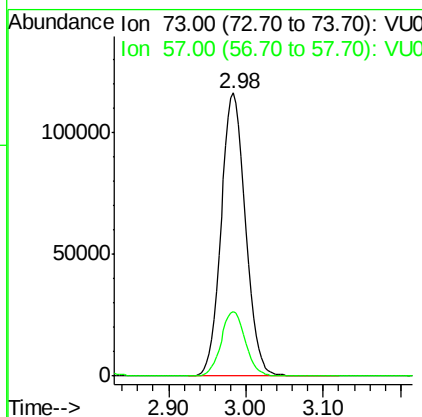
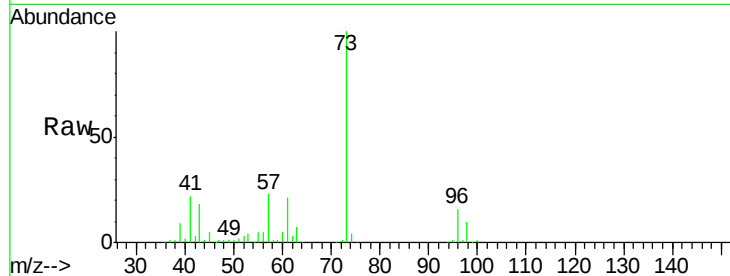
#19  
Methvl tert-butvl Ether  
Concen: 20.274 ug/l  
RT: 2.98 min Scan# 589  
Delta R.T. 0.00 min  
Lab File: VU034220.D  
Acq: 03 Sep 2019 12:18

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0904MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 23.0  | 18.3  | 27.5  |

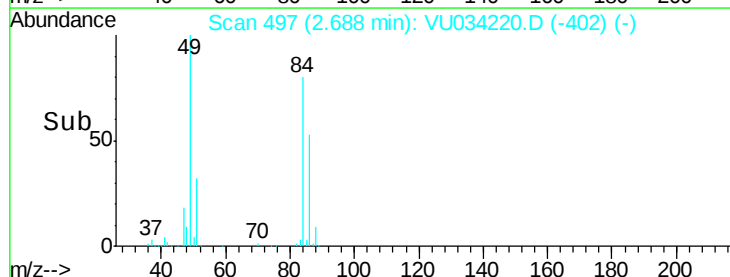
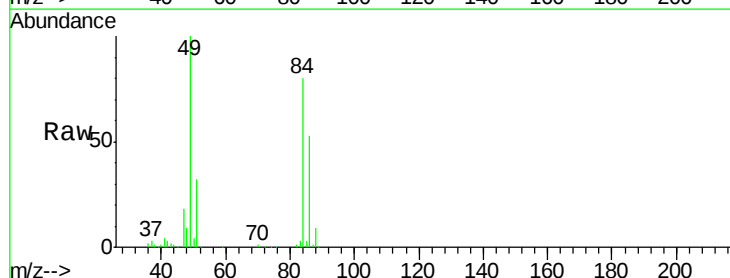
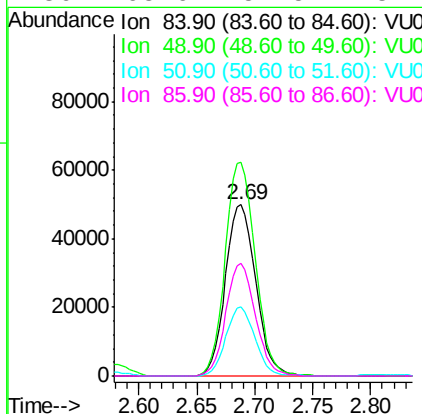
Manual Integrations  
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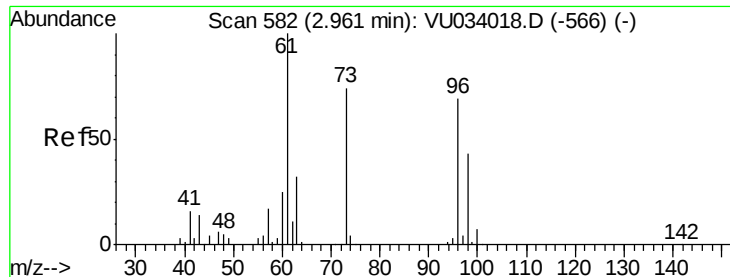
MMDadoda  
9/4/2019 4:57:39 PM



#20  
Methylene Chloride  
Concen: 19.147 ug/l  
RT: 2.69 min Scan# 497  
Delta R.T. 0.01 min  
Lab File: VU034220.D  
Acq: 03 Sep 2019 12:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 124.8 | 100.2 | 150.4 |
| 51      | 40.5  | 30.8  | 46.2  |
| 86      | 65.6  | 52.5  | 78.7  |





#21

trans-1,2-Dichloroethene

Concen: 19.227 ug/l

RT: 2.97 min Scan# 584

Delta R.T. 0.01 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

Instrument :

MSVOA\_U

ClientSampleId :

VU0904MBS01

Tot Ion: 96 Resp: 80175

Ion Ratio Lower Upper

96 100

61 143.9 115.5 173.3

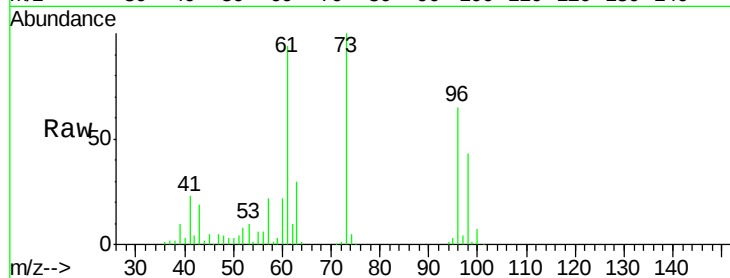
98 65.2 50.1 75.1

Manual Integrations

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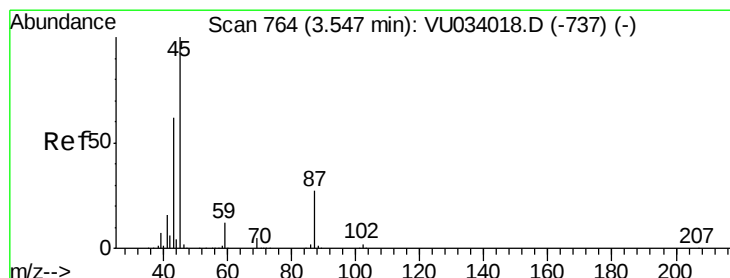
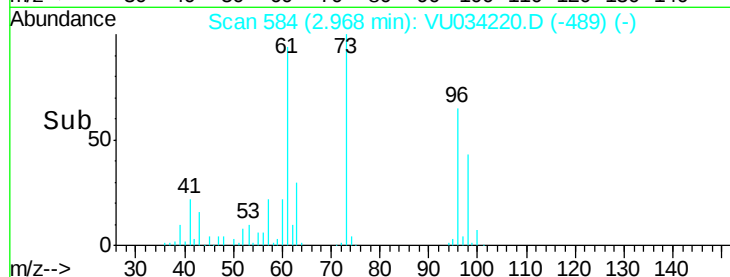
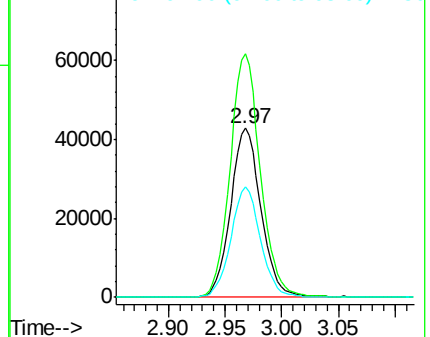


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 20.478 ug/l

RT: 3.55 min Scan# 765

Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

Tgt Ion: 45 Resp: 271065

Ion Ratio Lower Upper

45 100

43 69.0 49.7 74.5

87 28.0 21.8 32.8

59 11.7 9.3 13.9

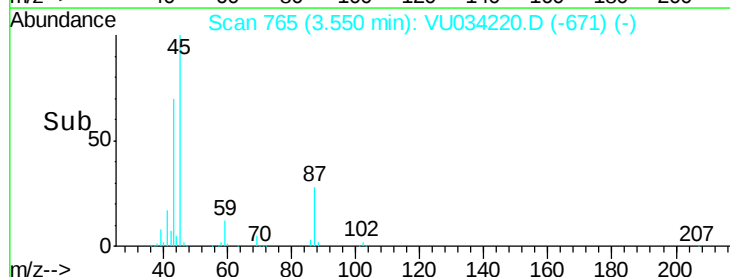
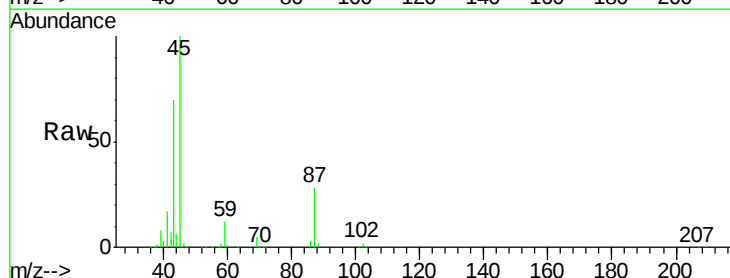
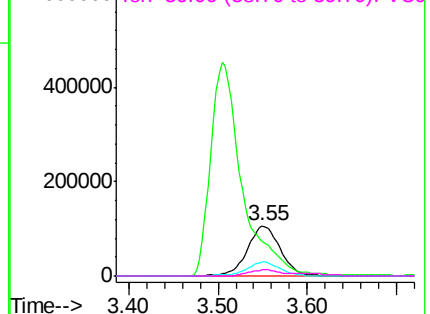
Abundance

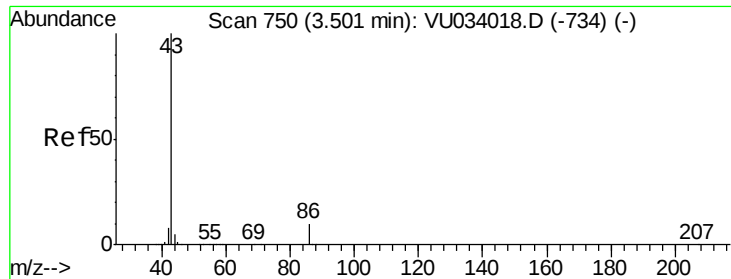
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 98.442 ug/l

RT: 3.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

Instrument :

MSVOA\_U

ClientSampleId :

VU0904MBS01

Tot Ion: 43 Resp: 1119392

Ion Ratio Lower Upper

43 100

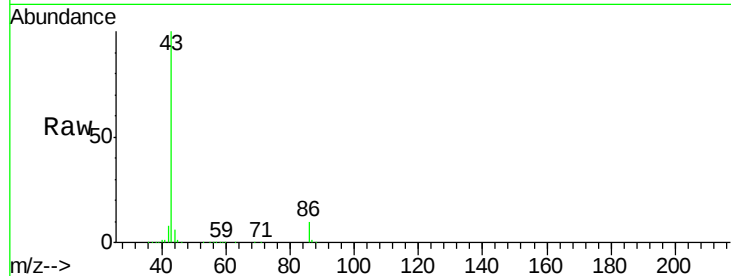
86 10.3 8.3 12.5

Manual Integrations

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MMDadoda

9/4/2019 4:57:39 PM

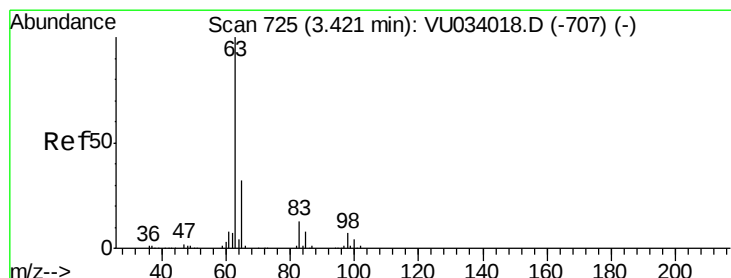
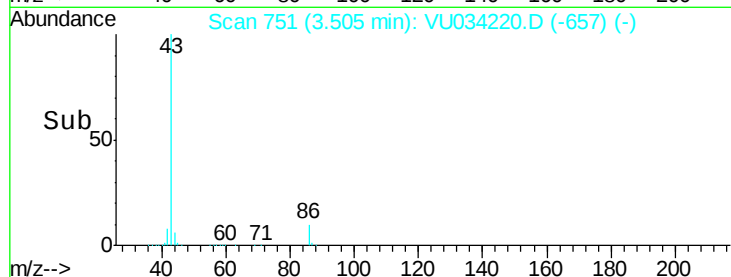


Abundance Ion 43.00 (42.70 to 43.70): VU034018.D (-734) (-)

Ion 86.00 (85.70 to 86.70): VU034018.D (-734) (-)

3.50

Time-->



#24

1,1-Dichloroethane

Concen: 20.296 ug/l

RT: 3.43 min Scan# 727

Delta R.T. 0.01 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

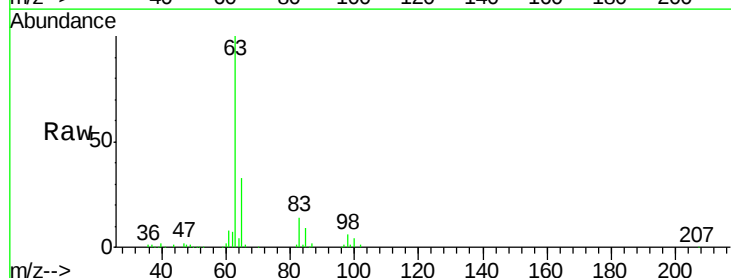
Tgt Ion: 63 Resp: 158617

Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

100 4.3 2.0 6.0



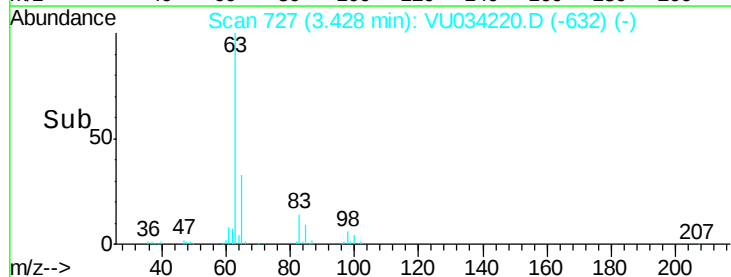
Abundance Ion 62.90 (62.60 to 63.60): VU034018.D (-707) (-)

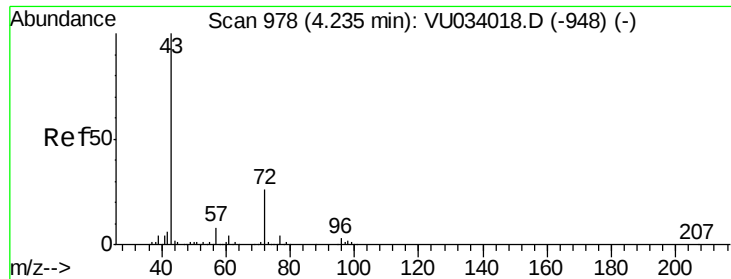
Ion 97.90 (97.60 to 98.60): VU034018.D (-707) (-)

Ion 99.90 (99.60 to 100.60): VU034018.D (-707) (-)

3.43

Time-->





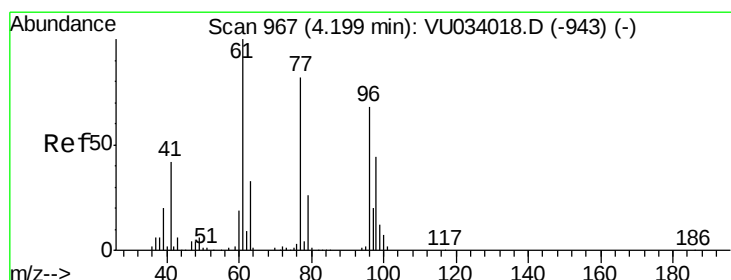
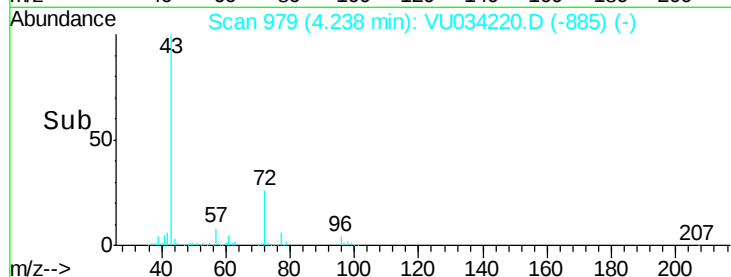
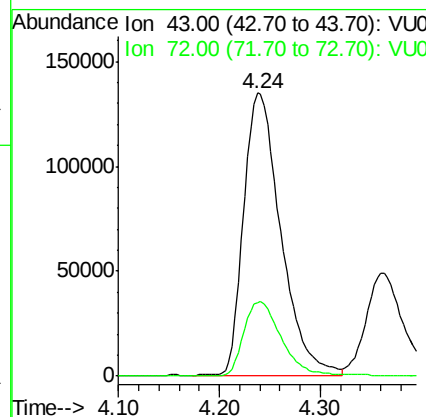
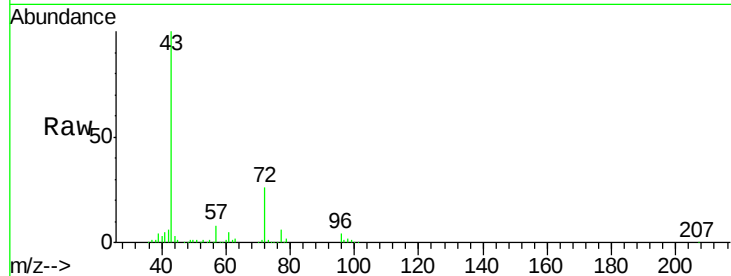
#25  
2-Butanone  
Concen: 98.309 ug/l  
RT: 4.24 min Scan# 979  
Delta R.T. 0.00 min  
Lab File: VU034220.D  
Acq: 03 Sep 2019 12:18

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0904MBS01

Tot Ion: 43 Resp: 343193  
Ion Ratio Lower Upper  
43 100  
72 26.1 21.2 31.8

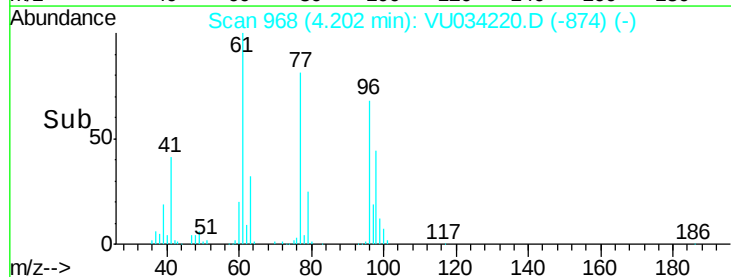
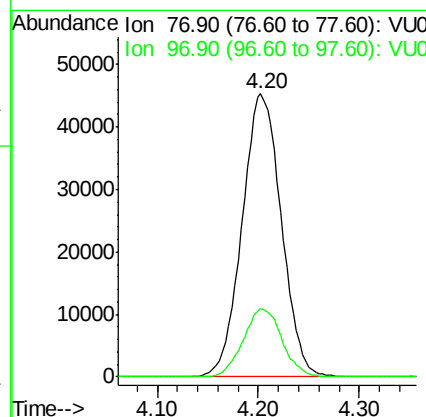
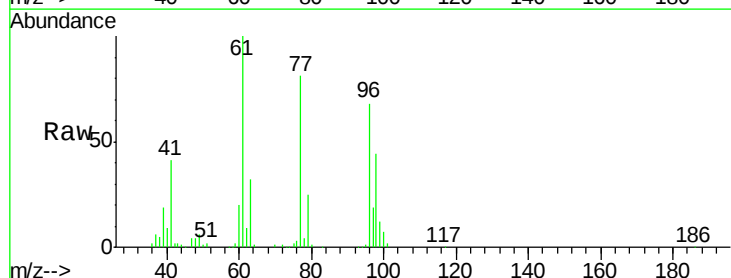
Manual Integrations  
APPROVED

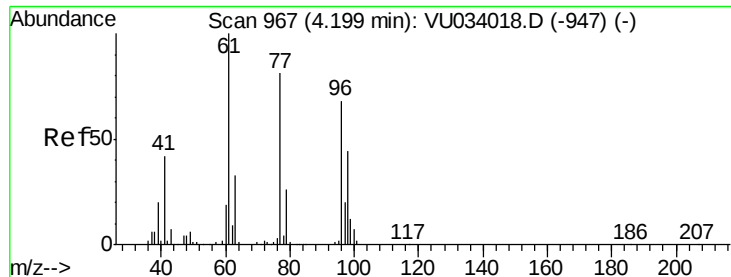
MMDadoda  
9/4/2019 4:57:39 PM



#26  
2,2-Dichloropropane  
Concen: 19.190 ug/l  
RT: 4.20 min Scan# 968  
Delta R.T. 0.00 min  
Lab File: VU034220.D  
Acq: 03 Sep 2019 12:18

Tgt Ion: 77 Resp: 122029  
Ion Ratio Lower Upper  
77 100  
97 23.8 11.6 34.7





#27

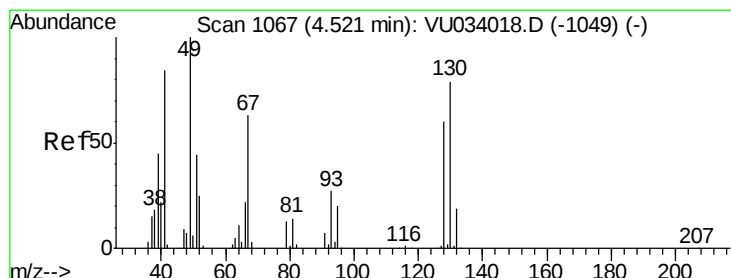
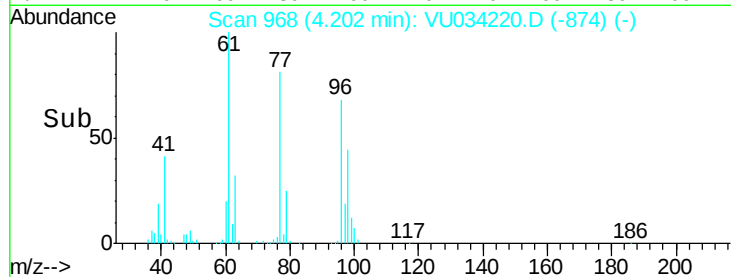
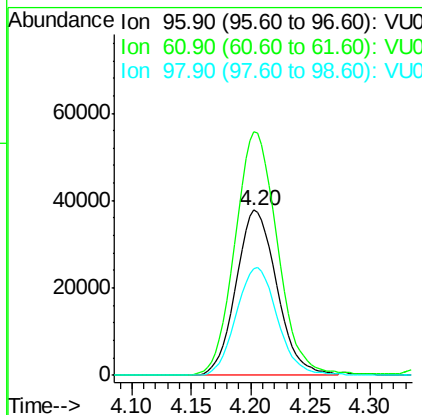
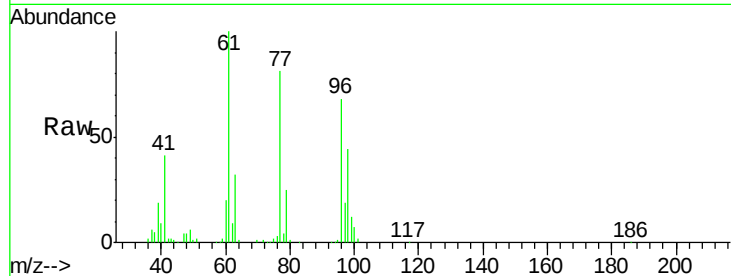
cis-1,2-Dichloroethene  
Concen: 19.265 ug/l  
RT: 4.20 min Scan# 968  
Delta R.T. 0.00 min  
Lab File: VU034220.D  
Acq: 03 Sep 2019 12:18

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0904MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 153.1 | 0.0   | 303.0 |
| 98      | 66.1  | 0.0   | 129.2 |

Manual Integrations  
APPROVED

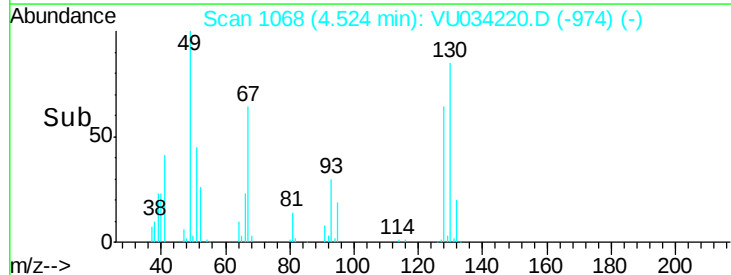
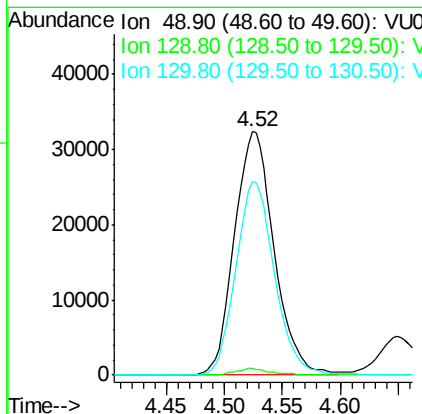
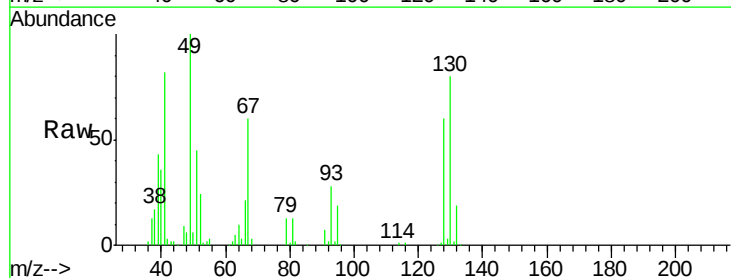
MMDadoda  
9/4/2019 4:57:39 PM

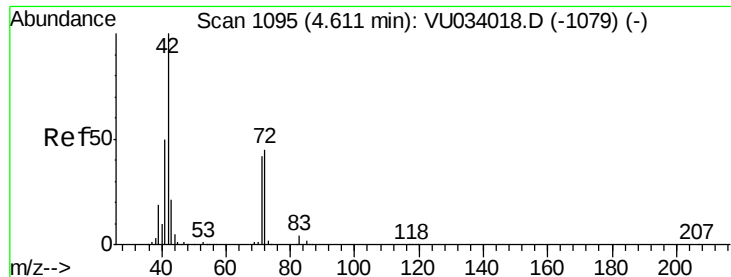


#28

Bromochloromethane  
Concen: 19.945 ug/l  
RT: 4.52 min Scan# 1068  
Delta R.T. 0.00 min  
Lab File: VU034220.D  
Acq: 03 Sep 2019 12:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.2   | 0.0   | 3.6   |
| 130     | 77.8  | 62.8  | 94.2  |





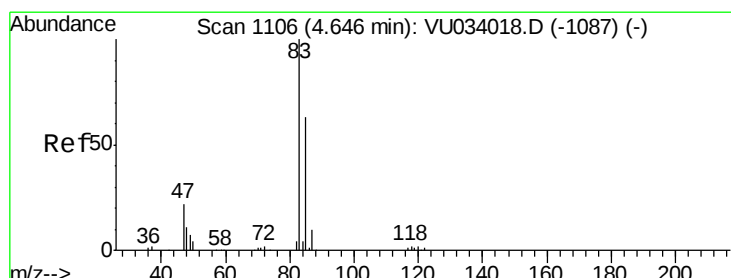
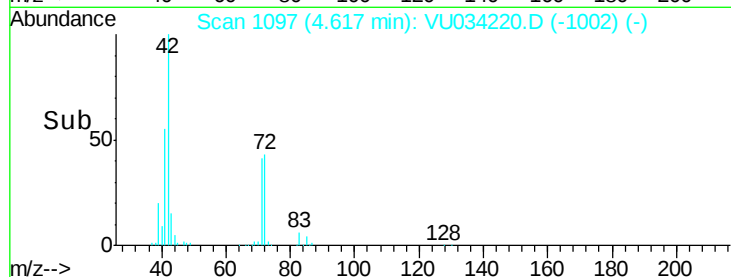
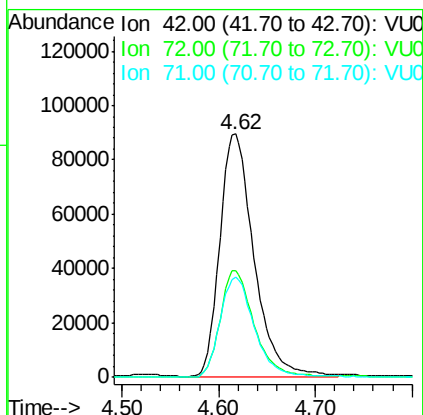
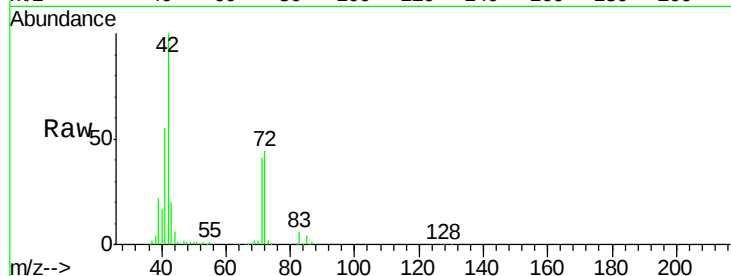
#29  
Tetrahydrofuran  
Concen: 101.298 ug/l  
RT: 4.62 min Scan# 1097  
Delta R.T. 0.01 min  
Lab File: VU034220.D  
Acq: 03 Sep 2019 12:18

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0904MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 44.3  | 35.8  | 53.6  |
| 71      | 41.8  | 34.0  | 51.0  |

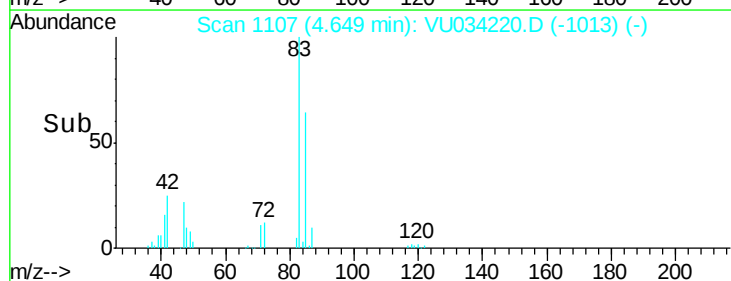
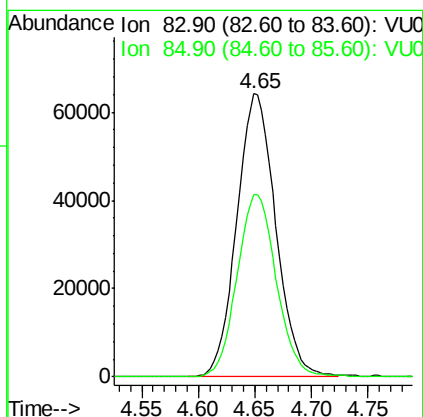
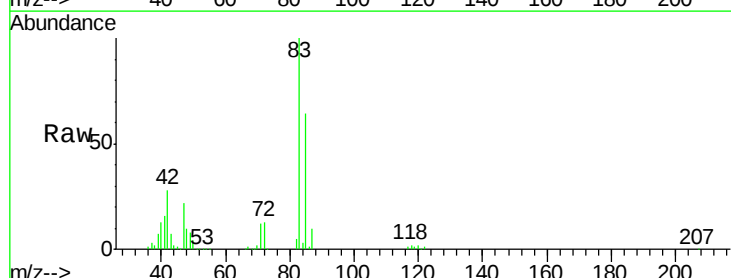
Manual Integrations  
APPROVED

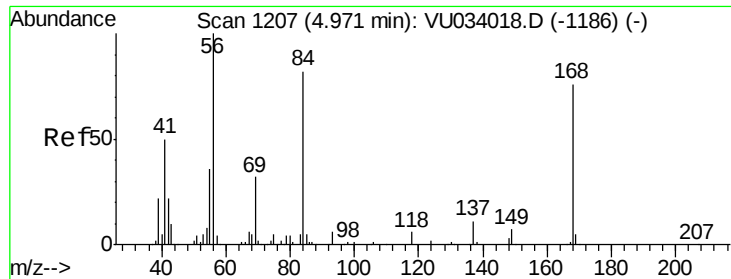
MMDadoda  
9/4/2019 4:57:39 PM



#30  
Chloroform  
Concen: 19.743 ug/l  
RT: 4.65 min Scan# 1107  
Delta R.T. 0.00 min  
Lab File: VU034220.D  
Acq: 03 Sep 2019 12:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.4  | 50.7  | 76.1  |





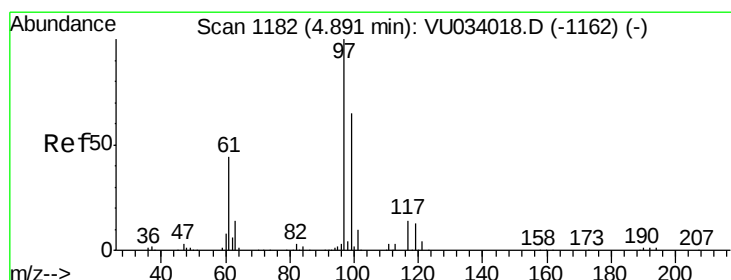
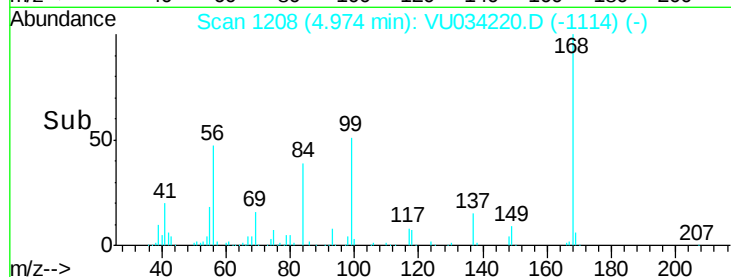
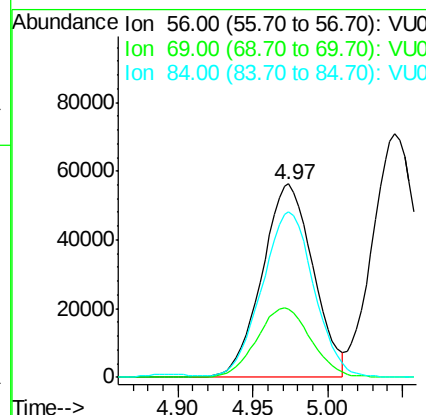
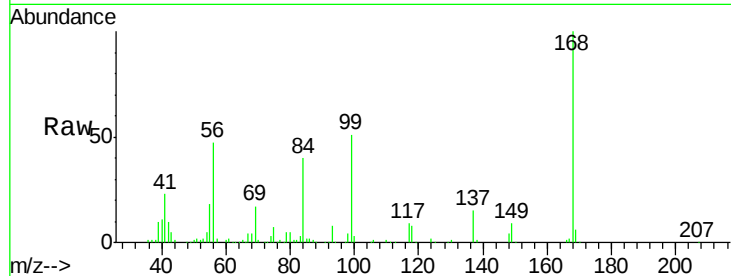
#31  
Cyclohexane  
Concen: 18.163 ug/l  
RT: 4.97 min Scan# 1208  
Delta R.T. 0.00 min  
Lab File: VU034220.D  
Acq: 03 Sep 2019 12:18

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0904MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 35.2  | 25.4  | 38.0  |
| 84      | 84.8  | 65.8  | 98.8  |

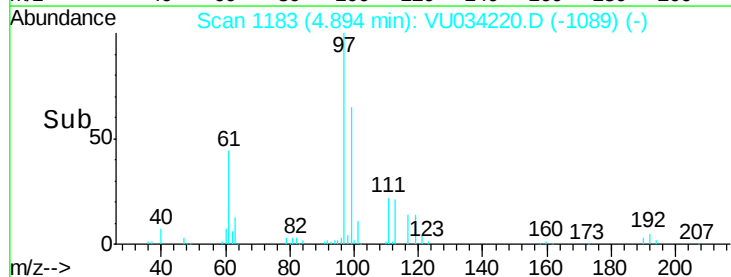
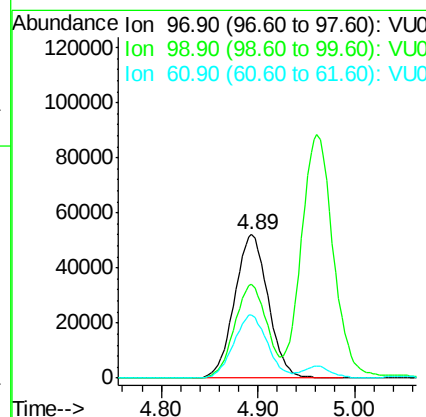
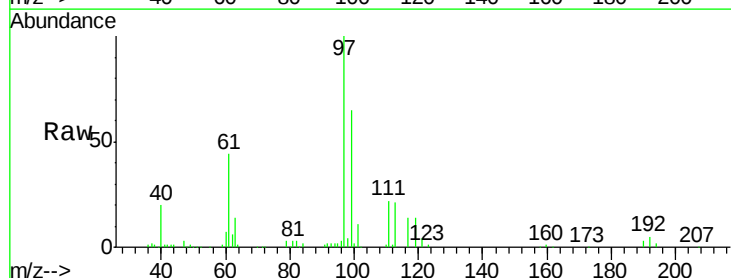
Manual Integrations  
APPROVED

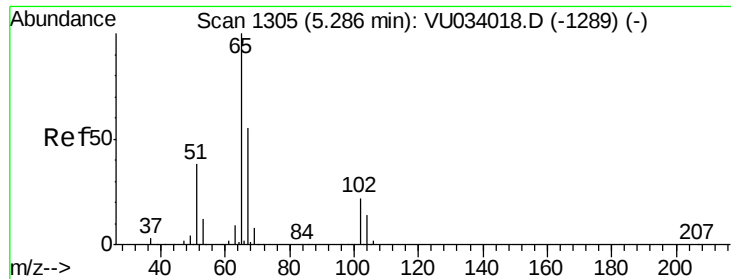
MMDadoda  
9/4/2019 4:57:39 PM



#32  
1,1,1-Trichloroethane  
Concen: 19.704 ug/l  
RT: 4.89 min Scan# 1183  
Delta R.T. 0.00 min  
Lab File: VU034220.D  
Acq: 03 Sep 2019 12:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 62.8  | 51.8  | 77.6  |
| 61      | 44.1  | 35.3  | 52.9  |





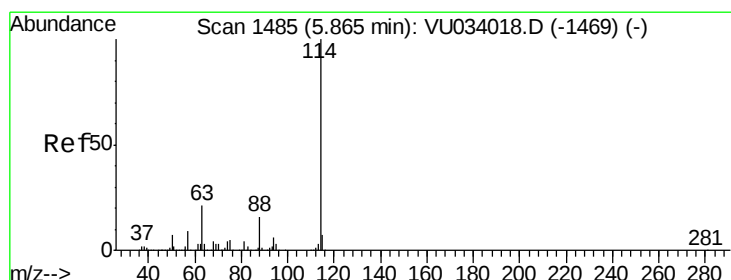
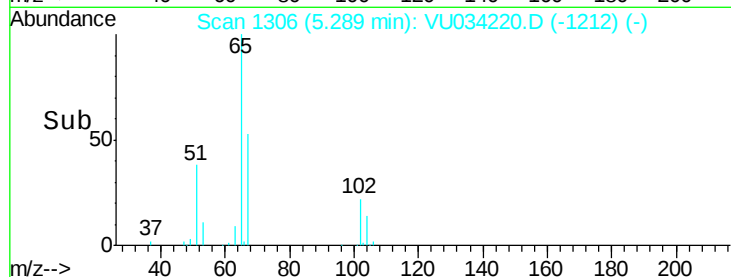
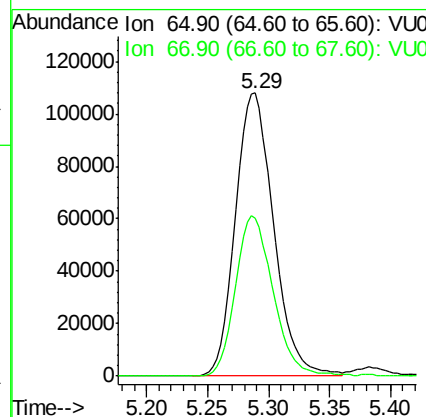
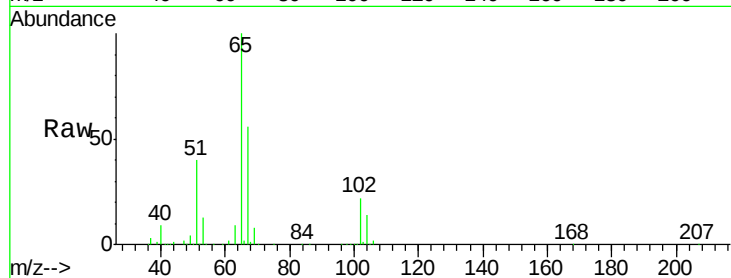
#33  
 1,2-Dichloroethane-d4  
 Concen: 47.913 ug/l  
 RT: 5.29 min Scan# 1306  
 Delta R.T. 0.00 min  
 Lab File: VU034220.D  
 Acq: 03 Sep 2019 12:18

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0904MBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 235621 |       |       |
| 67      | 55.6  | 0.0    | 110.6 |       |

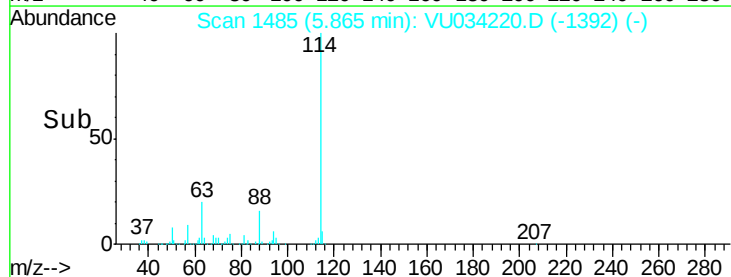
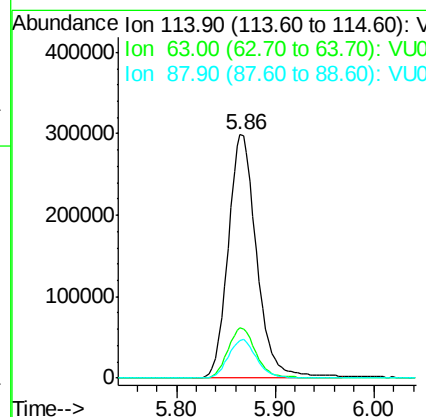
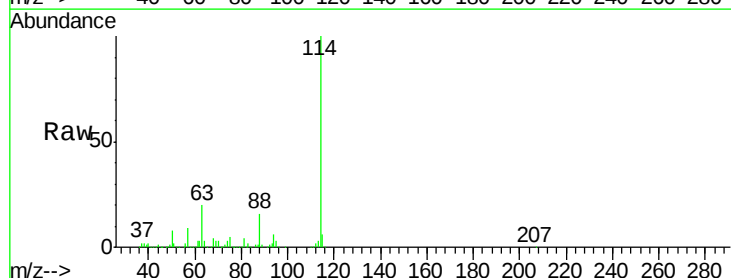
Manual Integrations  
 APPROVED

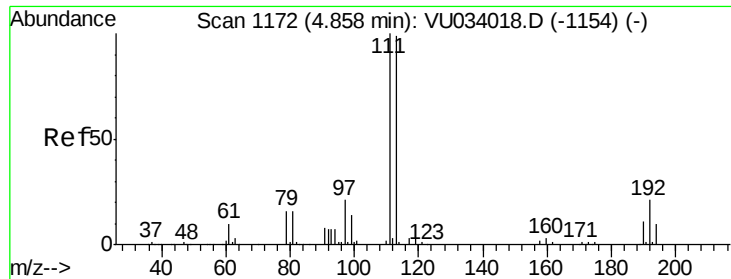
MMDadoda  
 9/4/2019 4:57:39 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.86 min Scan# 1485  
 Delta R.T. 0.00 min  
 Lab File: VU034220.D  
 Acq: 03 Sep 2019 12:18

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 604501 |       |       |
| 63      | 20.4  | 0.0    | 42.0  |       |
| 88      | 15.5  | 0.0    | 32.0  |       |





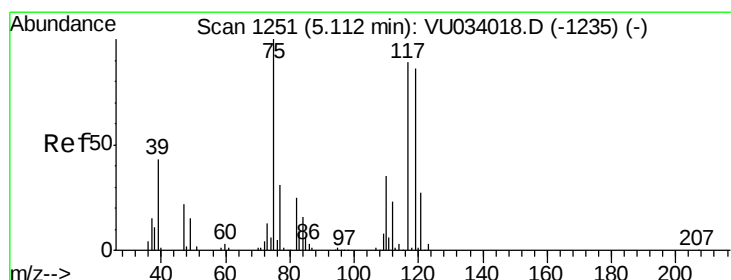
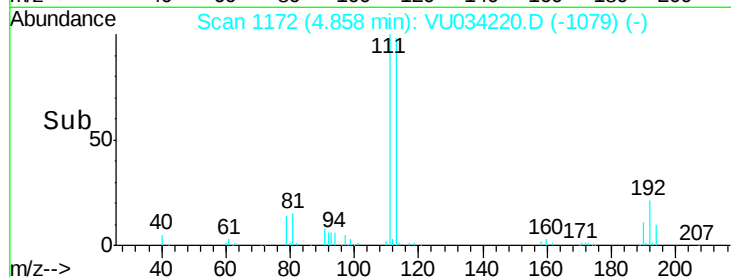
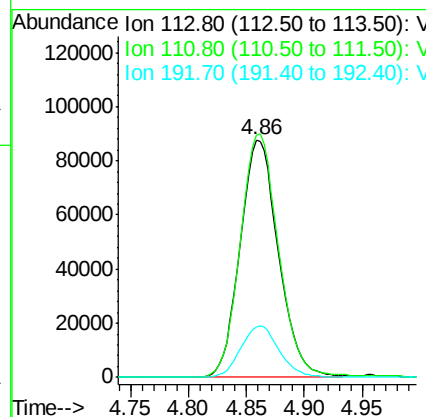
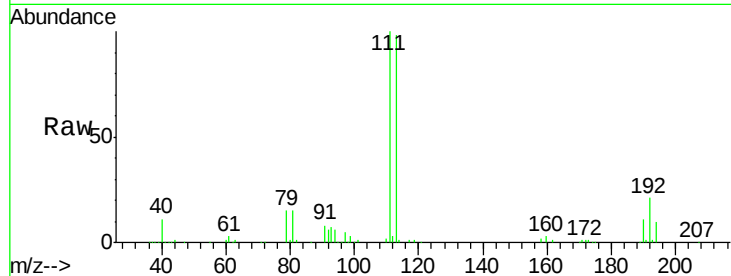
#35  
Dibromofluoromethane  
Concen: 48.109 ug/l  
RT: 4.86 min Scan# 1172  
Delta R.T. 0.00 min  
Lab File: VU034220.D  
Acq: 03 Sep 2019 12:18

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0904MBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 201711 |       |       |
| 111     | 102.5 | 81.7   | 122.5 |       |
| 192     | 21.7  | 17.1   | 25.7  |       |

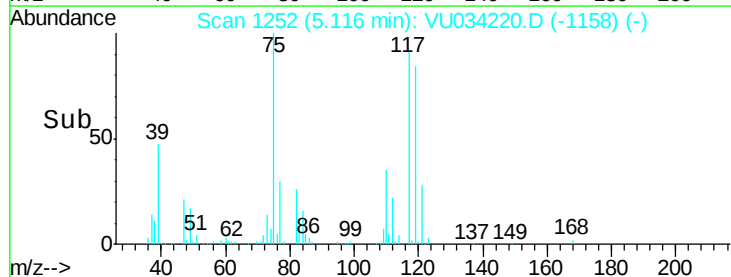
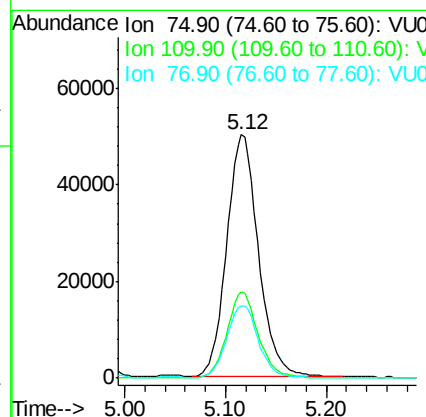
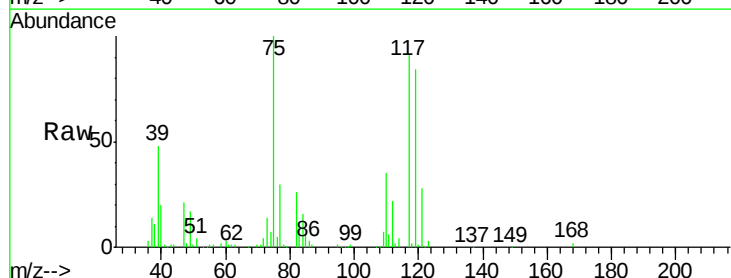
Manual Integrations  
APPROVED

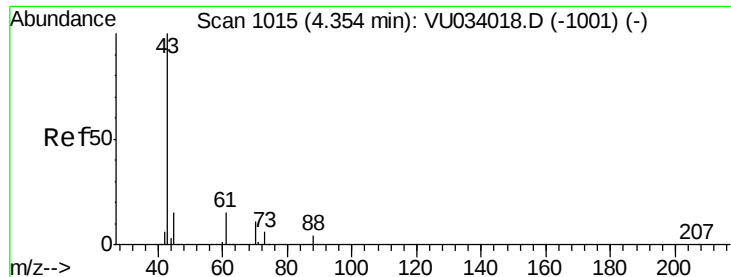
MMDadoda  
9/4/2019 4:57:39 PM



#36  
1,1-Dichloropropene  
Concen: 19.233 ug/l  
RT: 5.12 min Scan# 1252  
Delta R.T. 0.00 min  
Lab File: VU034220.D  
Acq: 03 Sep 2019 12:18

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 109972 |       |       |
| 110     | 35.0  | 17.8   | 53.5  |       |
| 77      | 30.4  | 25.0   | 37.4  |       |





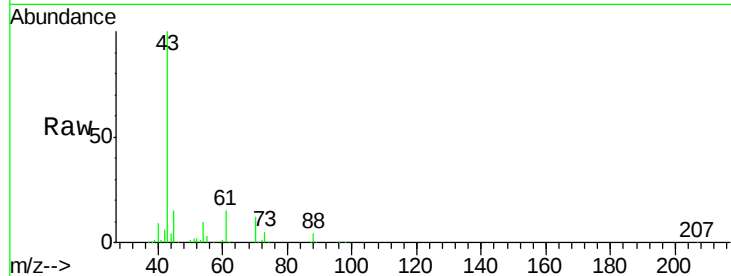
#37  
Ethyl Acetate  
Concen: 19.153 ug/l  
RT: 4.36 min Scan# 1017  
Delta R.T. 0.01 min  
Lab File: VU034220.D  
Acq: 03 Sep 2019 12:18

Instrument :  
MSVOA\_U  
ClientSampled :  
VU0904MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.0  | 11.5  | 17.3  |
| 70      | 11.4  | 8.6   | 12.8  |

Manual Integrations  
APPROVED

MMDadoda  
9/4/2019 4:57:39 PM

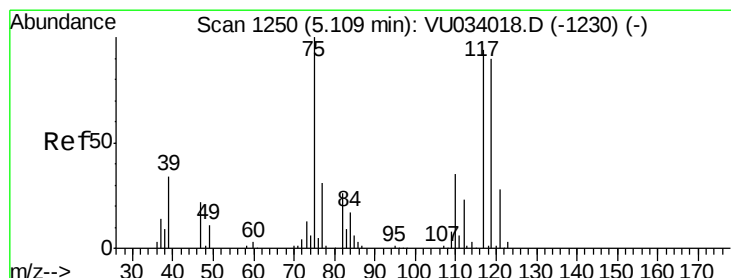
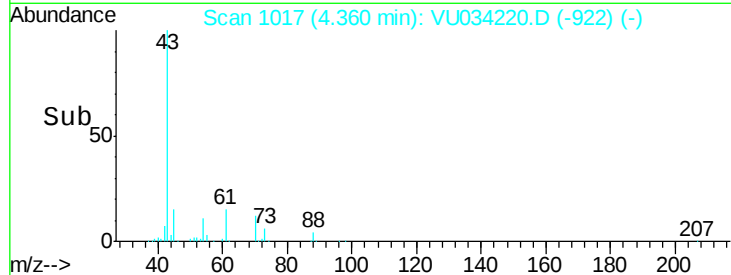
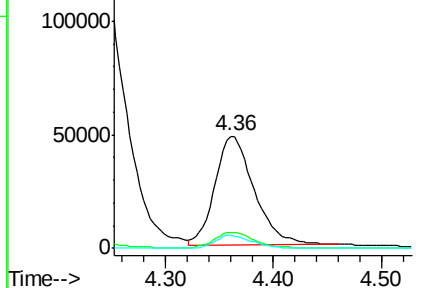


Abundance

Ion 43.00 (42.70 to 43.70): VU034018.D (-1001) (-)

Ion 60.90 (60.60 to 61.60): VU034018.D (-1001) (-)

Ion 70.00 (69.70 to 70.70): VU034018.D (-1001) (-)



#38  
Carbon Tetrachloride  
Concen: 19.513 ug/l  
RT: 5.11 min Scan# 1251  
Delta R.T. 0.00 min  
Lab File: VU034220.D  
Acq: 03 Sep 2019 12:18

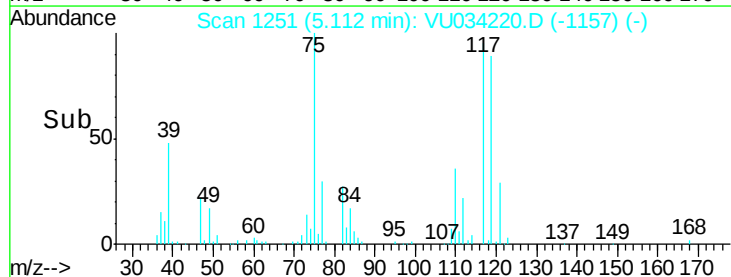
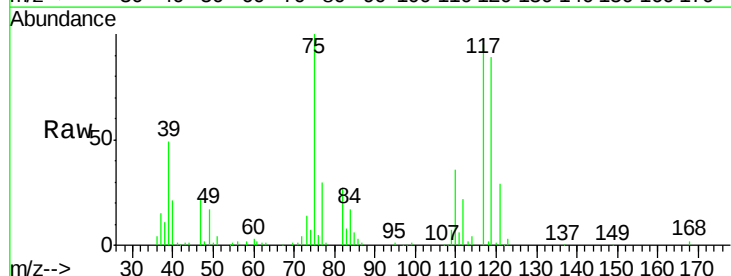
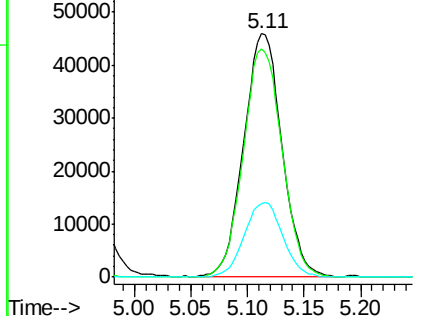
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 94.2  | 77.0  | 115.4 |
| 121     | 30.2  | 23.9  | 35.9  |

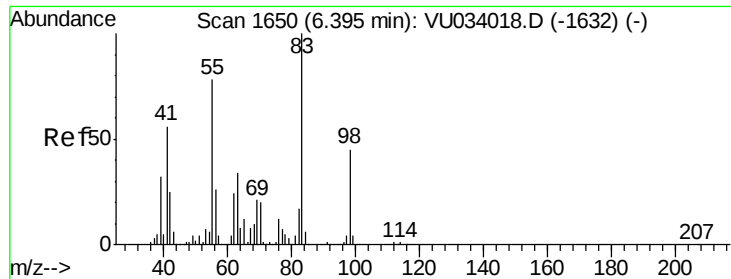
Abundance

Ion 116.80 (116.50 to 117.50): VU034018.D (-1230) (-)

Ion 118.80 (118.50 to 119.50): VU034018.D (-1230) (-)

Ion 120.80 (120.50 to 121.50): VU034018.D (-1230) (-)





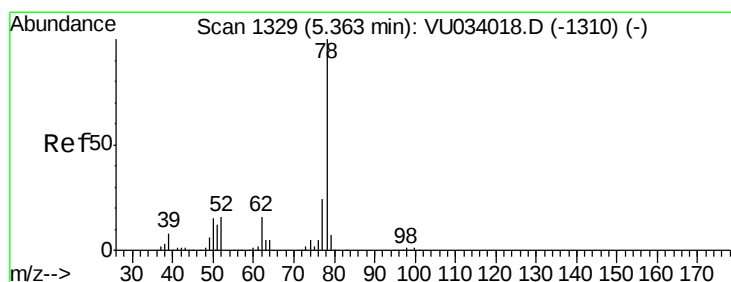
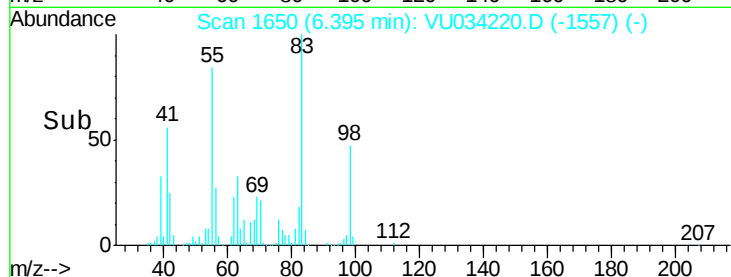
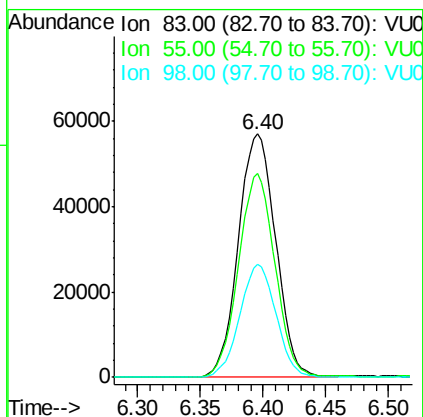
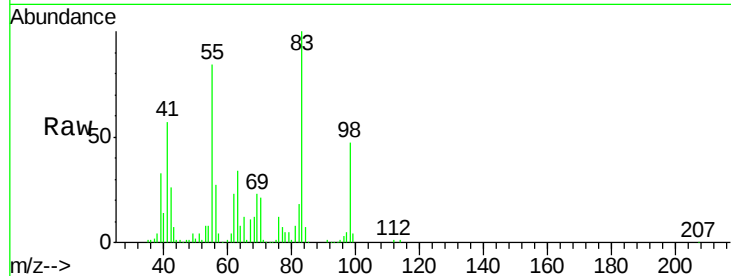
#39  
Methvlcvclohexane  
Concen: 17.571 ug/l  
RT: 6.40 min Scan# 1650  
Delta R.T. 0.00 min  
Lab File: VU034220.D  
Acq: 03 Sep 2019 12:18

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0904MBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 118414 |       |       |
| 55      | 83.7  | 62.3   | 93.5  |       |
| 98      | 46.6  | 36.2   | 54.2  |       |

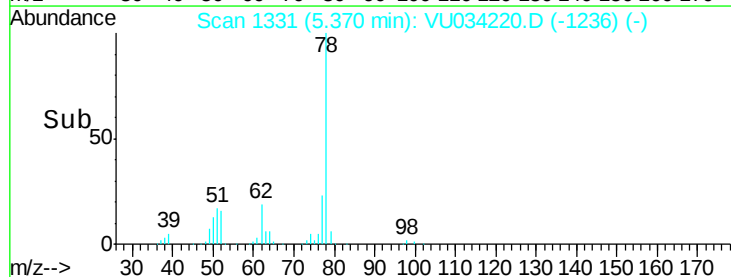
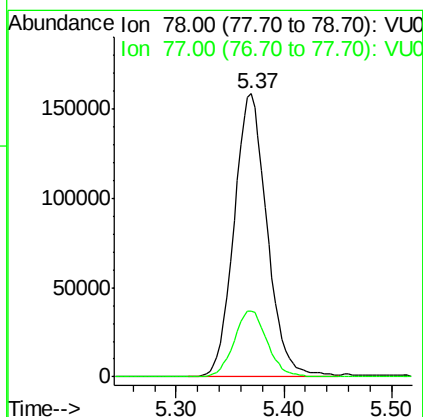
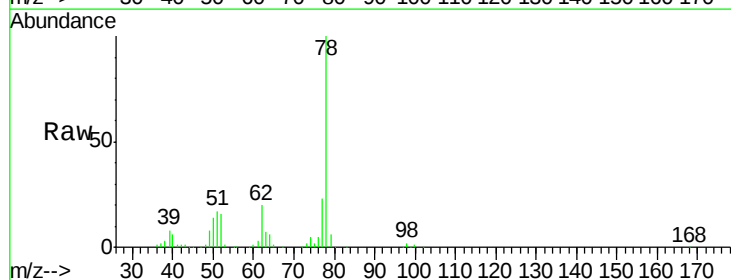
Manual Integrations  
APPROVED

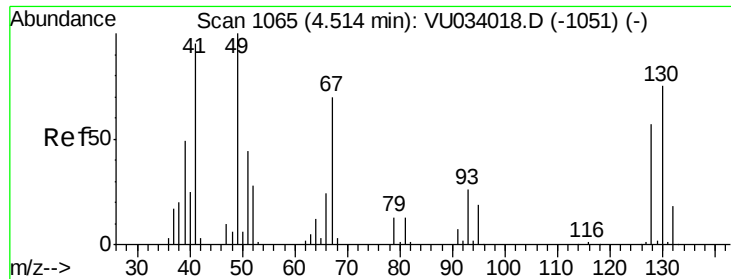
MMDadoda  
9/4/2019 4:57:39 PM



#40  
Benzene  
Concen: 19.580 ug/l  
RT: 5.37 min Scan# 1331  
Delta R.T. 0.01 min  
Lab File: VU034220.D  
Acq: 03 Sep 2019 12:18

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 78      | 100   | 338727 |       |       |
| 77      | 23.4  | 19.0   | 28.6  |       |





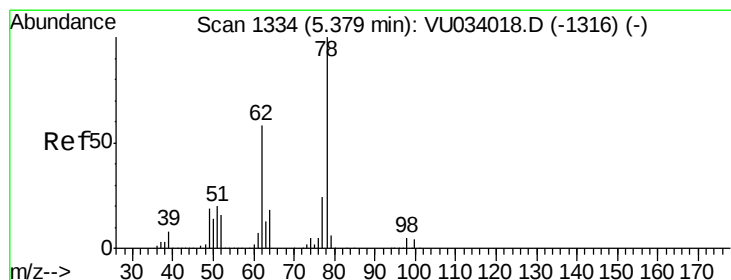
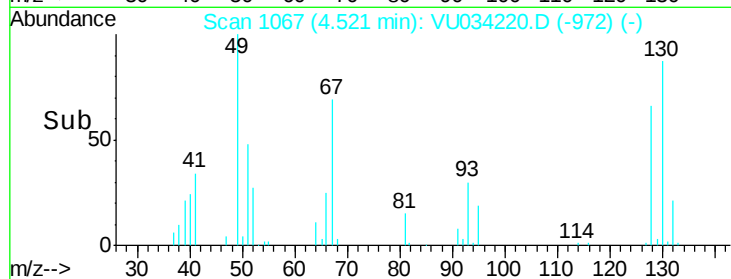
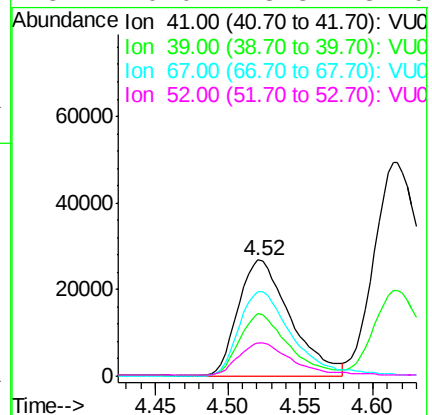
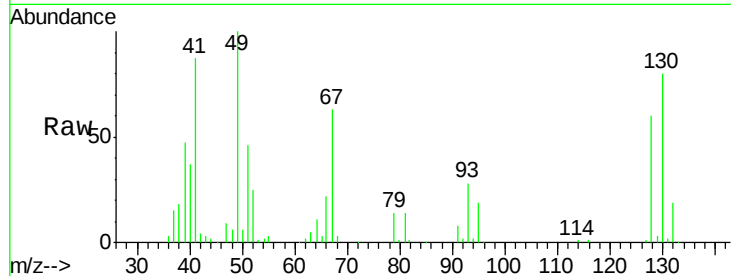
#41  
Methacrylonitrile  
Concen: 20.533 ug/l  
RT: 4.52 min Scan# 1067  
Delta R.T. 0.01 min  
Lab File: VU034220.D  
Acq: 03 Sep 2019 12:18

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0904MBS01

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 49.5 | 42.1  | 63.1  |       |
| 67      | 75.0 | 61.0  | 91.4  |       |
| 52      | 29.0 | 23.3  | 34.9  |       |

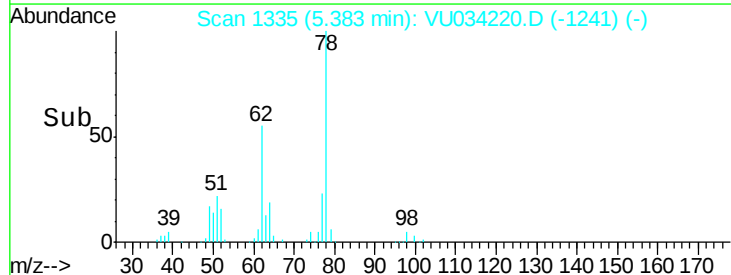
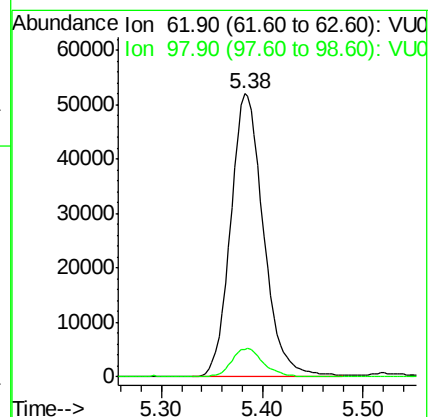
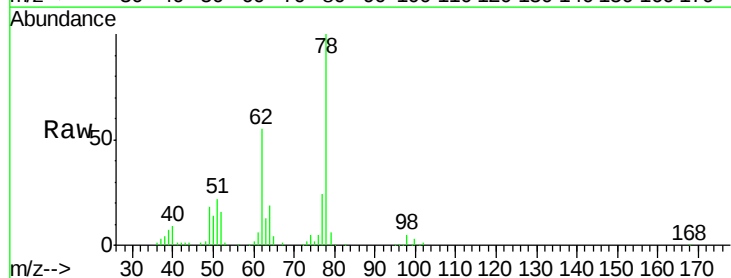
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9/4/2019 4:57:39 PM



#42  
1,2-Dichloroethane  
Concen: 19.808 ug/l  
RT: 5.38 min Scan# 1335  
Delta R.T. 0.00 min  
Lab File: VU034220.D  
Acq: 03 Sep 2019 12:18

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 62      | 100 |       |       |       |
| 98      | 9.8 | 0.0   | 18.2  |       |





#43

Isopropyl Acetate

Concen: 19.657 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

Instrument :

MSVOA\_U

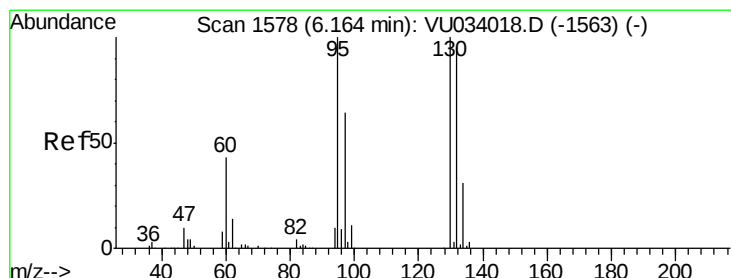
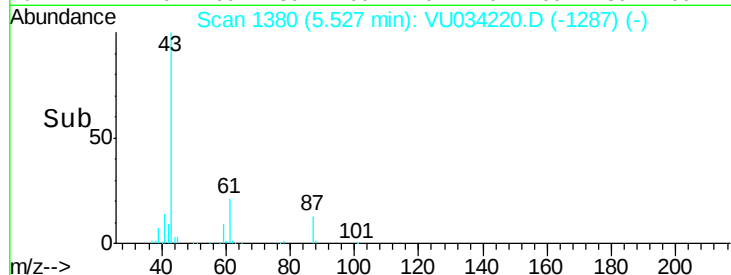
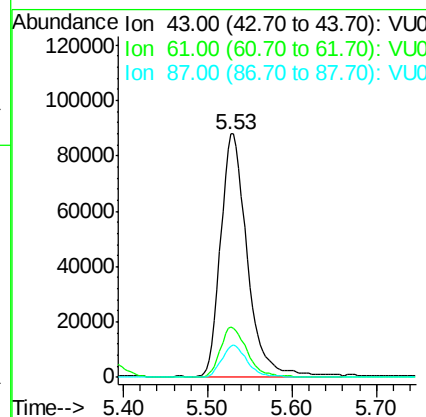
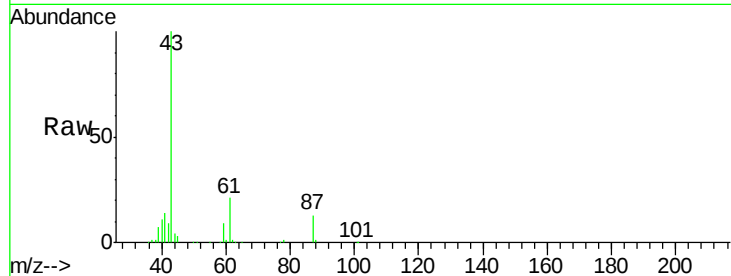
ClientSampleId :

VU0904MBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 191485 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 21.1  | 17.2  | 25.8   |
| 87       | 12.6  | 10.8  | 16.2   |

Manual Integrations  
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#44

Trichloroethene

Concen: 19.687 ug/l

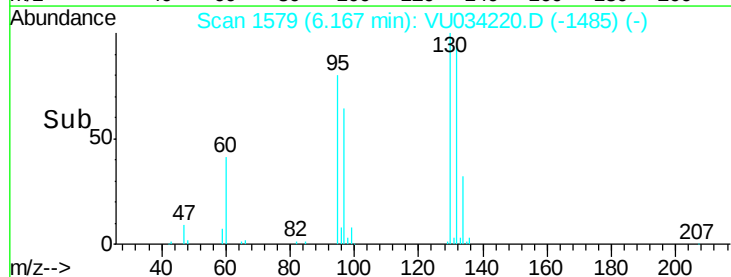
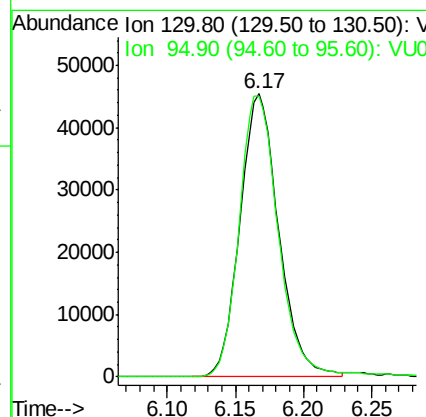
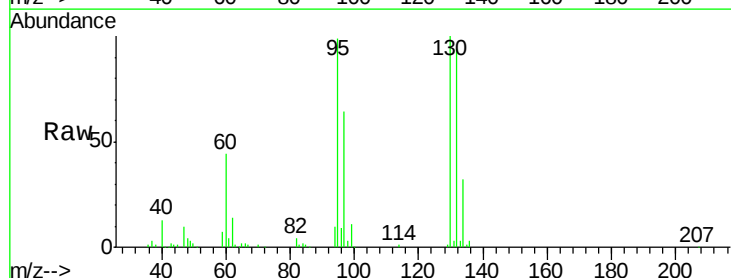
RT: 6.17 min Scan# 1579

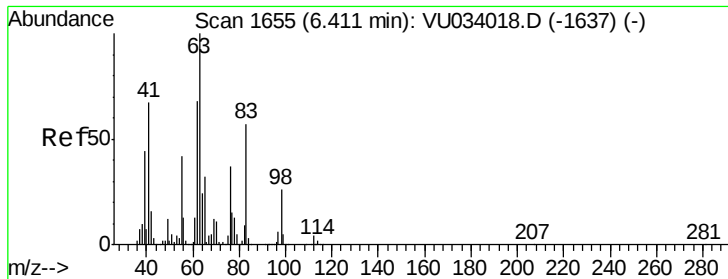
Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 89435 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 99.0  | 0.0   | 199.6 |





#45

1,2-Dichloropropane

Concen: 19.816 ug/l

RT: 6.41 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

Instrument :

MSVOA\_U

ClientSampleId :

VU0904MBS01

Tot Ion: 63 Resp: 94366

Ion Ratio Lower Upper

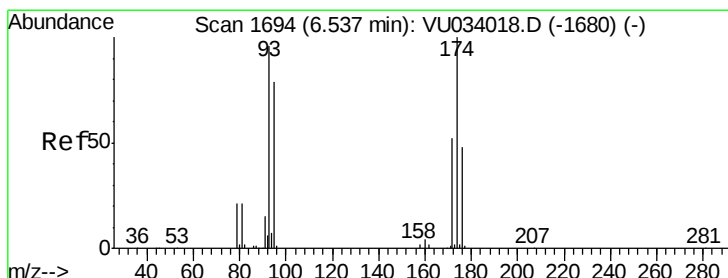
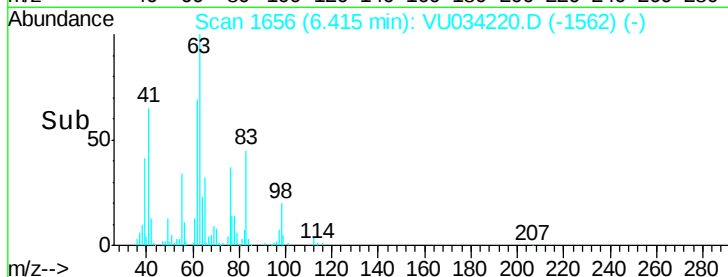
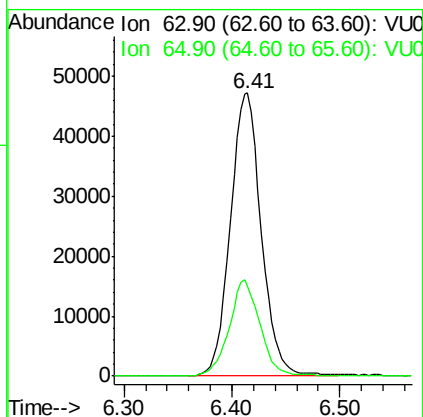
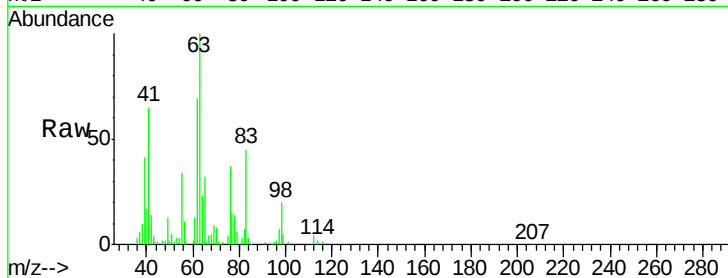
63 100

65 32.0 25.4 38.2

Manual Integrations  
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9/4/2019 4:57:39 PM



#46

Dibromomethane

Concen: 20.051 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

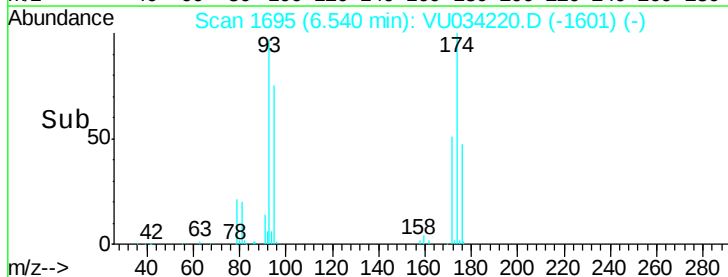
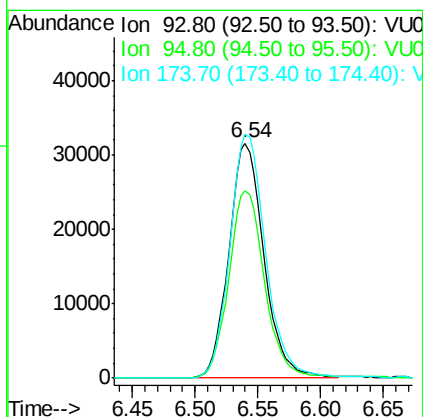
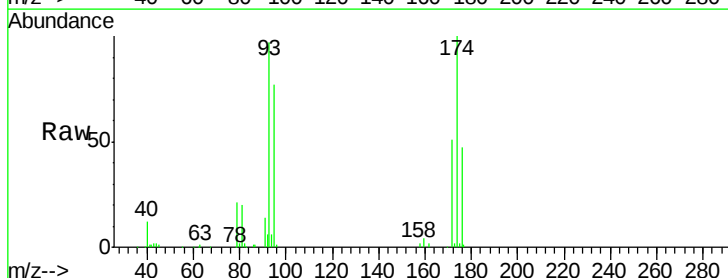
Tgt Ion: 93 Resp: 61519

Ion Ratio Lower Upper

93 100

95 81.4 66.7 100.1

174 105.9 84.9 127.3





#47

Bromodichloromethane

Concen: 19.602 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

Instrument :

MSVOA\_U

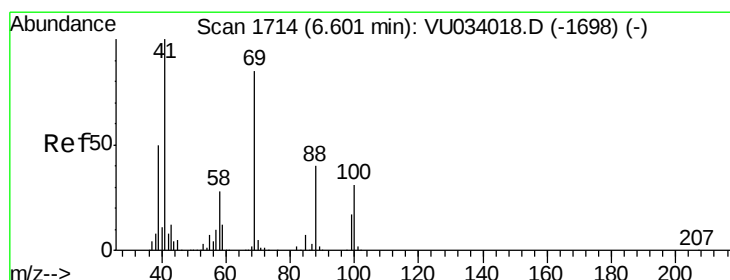
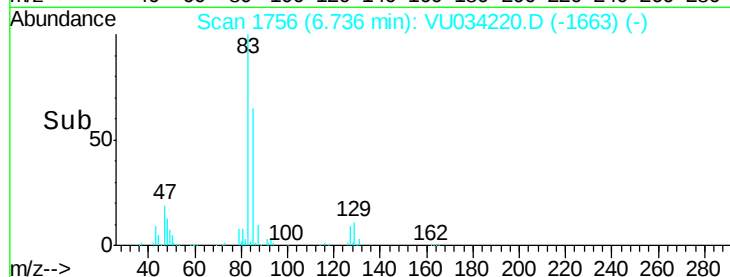
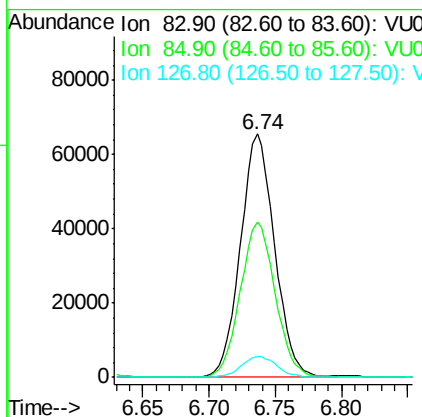
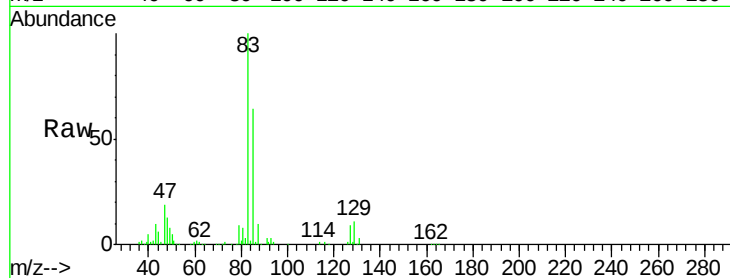
ClientSampleId :

VU0904MBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 117663 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 63.6  | 51.2  | 76.8   |
| 127      | 8.7   | 7.0   | 10.6   |

Manual Integrations  
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9/4/2019 4:57:39 PM



#48

Methyl methacrylate

Concen: 18.425 ug/l

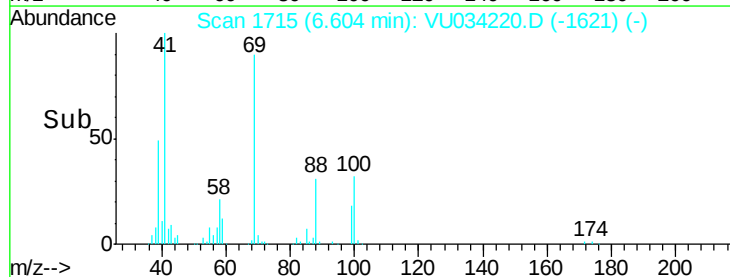
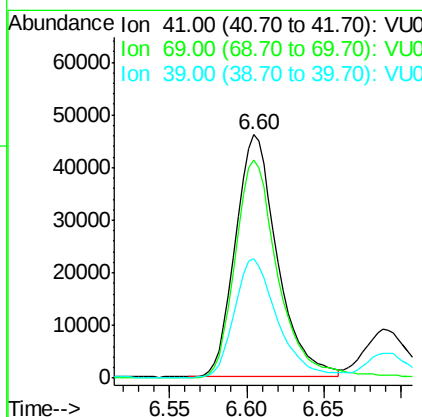
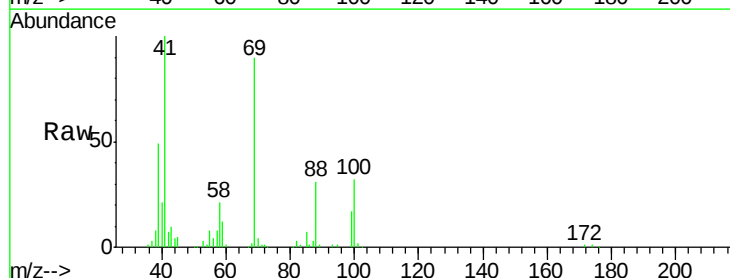
RT: 6.60 min Scan# 1715

Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 86609 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 92.8  | 69.5  | 104.3 |
| 39       | 50.4  | 40.3  | 60.5  |





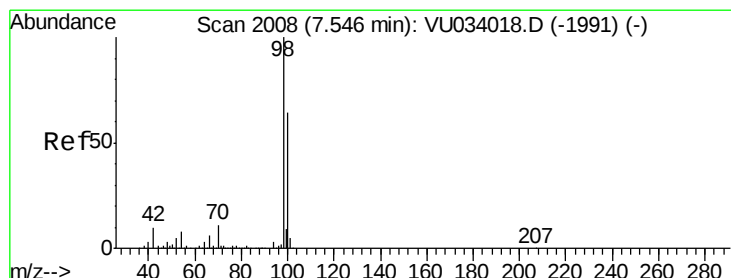
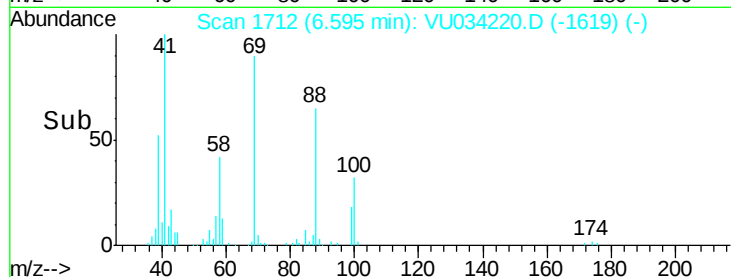
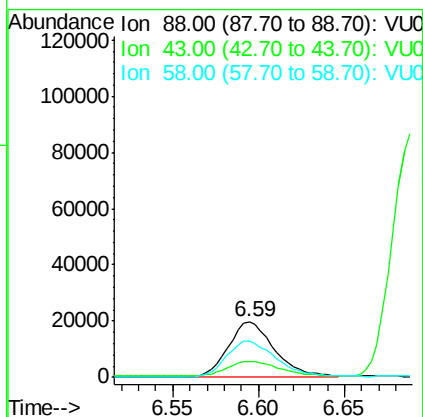
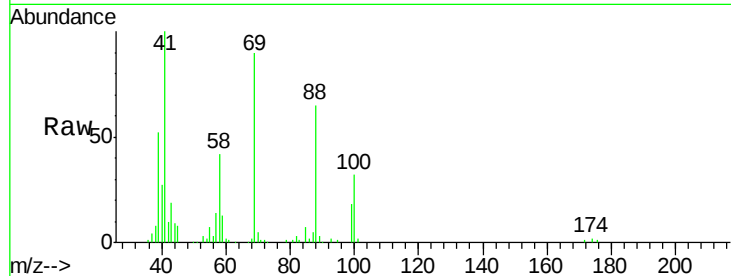
#49  
1,4-Dioxane  
Concen: 309.869 ug/l  
RT: 6.59 min Scan# 1712  
Delta R.T. 0.00 min  
Lab File: VU034220.D  
Acq: 03 Sep 2019 12:18

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0904MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 31.7  | 24.8  | 37.2  |
| 58      | 73.2  | 59.3  | 88.9  |

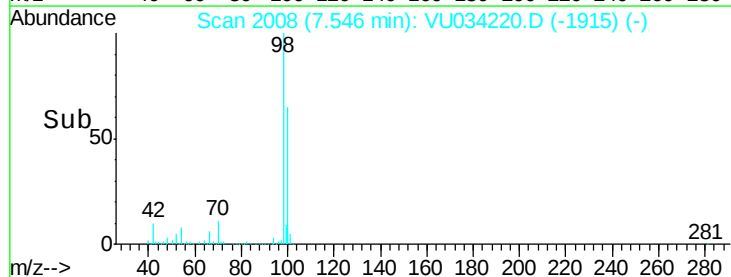
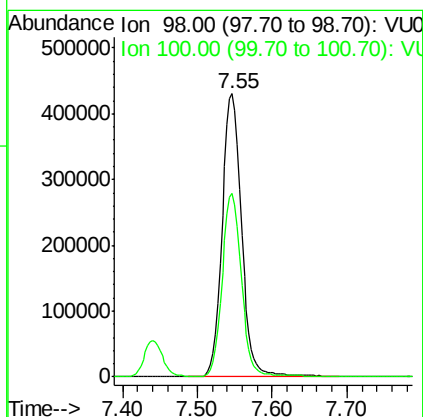
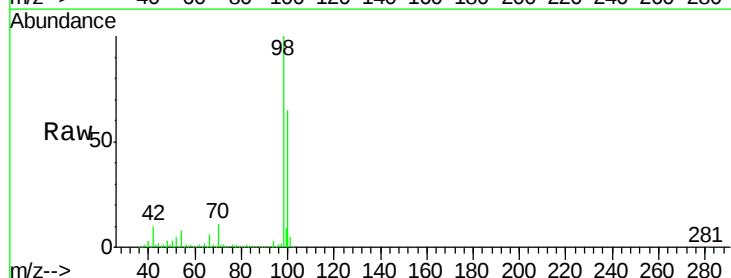
Manual Integrations  
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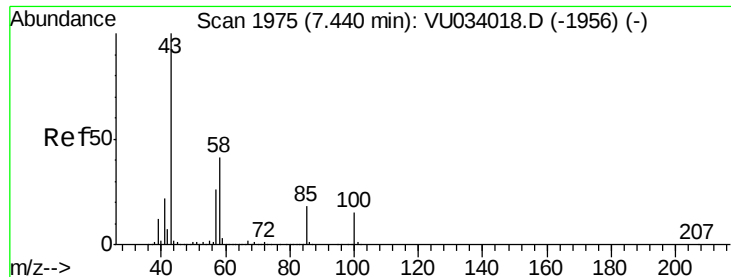
MMDadoda  
9/4/2019 4:57:39 PM



#50  
Toluene-d8  
Concen: 49.374 ug/l  
RT: 7.55 min Scan# 2008  
Delta R.T. 0.00 min  
Lab File: VU034220.D  
Acq: 03 Sep 2019 12:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.8  | 50.3  | 75.5  |





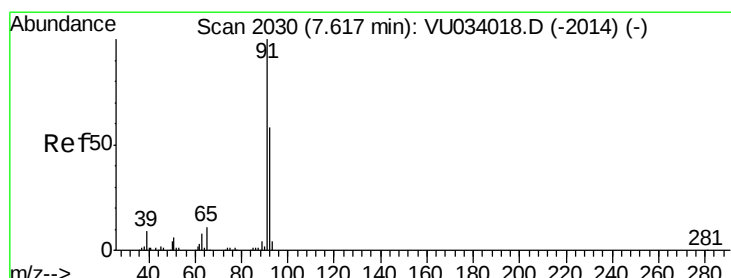
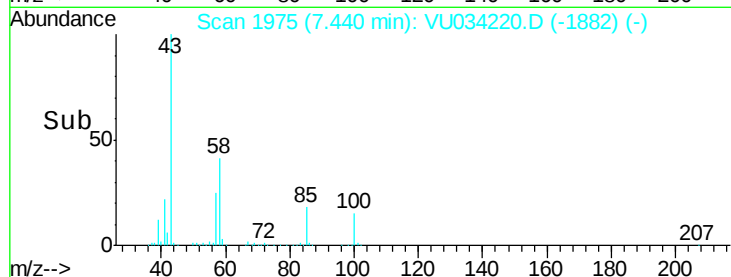
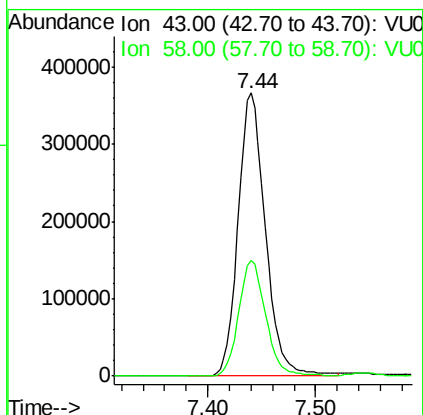
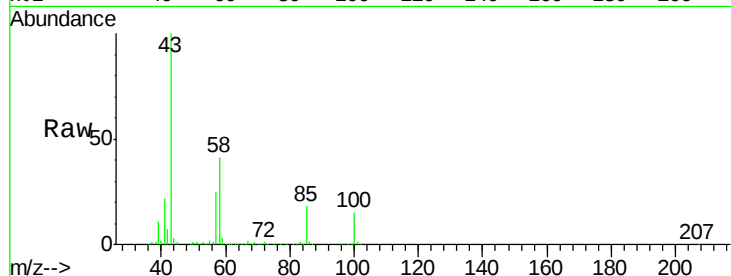
#51  
4-Methyl-2-Pentanone  
Concen: 95.873 ug/l  
RT: 7.44 min Scan# 1975  
Delta R.T. 0.00 min  
Lab File: VU034220.D  
Acq: 03 Sep 2019 12:18

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0904MBS01

| Tot Ion   | 43   | Resp  | 644964 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 58        | 40.7 | 32.2  | 48.4   |

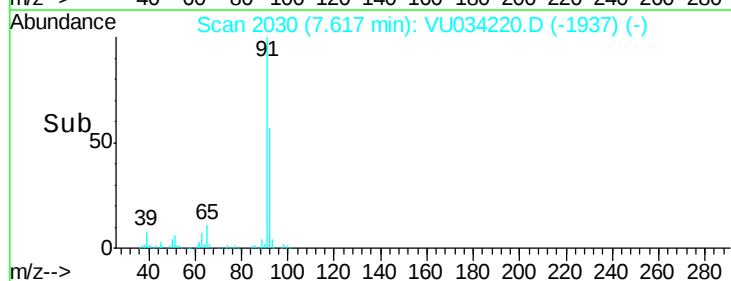
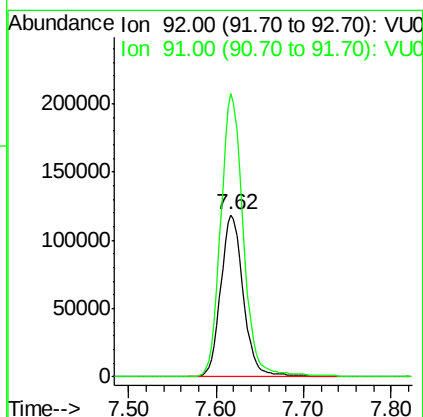
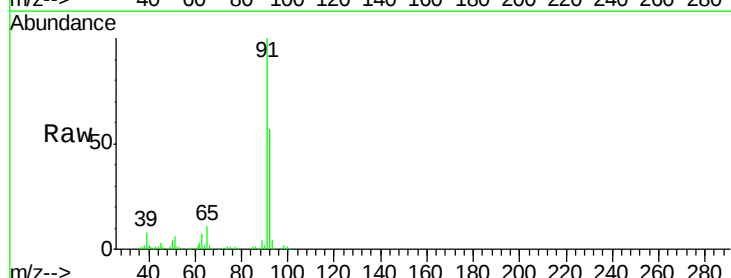
Manual Integrations  
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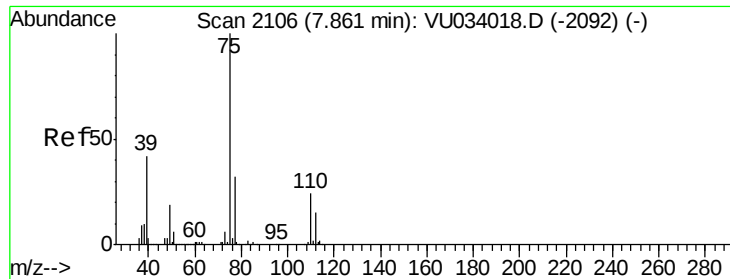
MMDadoda  
9/4/2019 4:57:39 PM



#52  
Toluene  
Concen: 20.045 ug/l  
RT: 7.62 min Scan# 2030  
Delta R.T. 0.00 min  
Lab File: VU034220.D  
Acq: 03 Sep 2019 12:18

| Tgt Ion   | 92    | Resp  | 213615 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 91        | 174.2 | 138.3 | 207.5  |





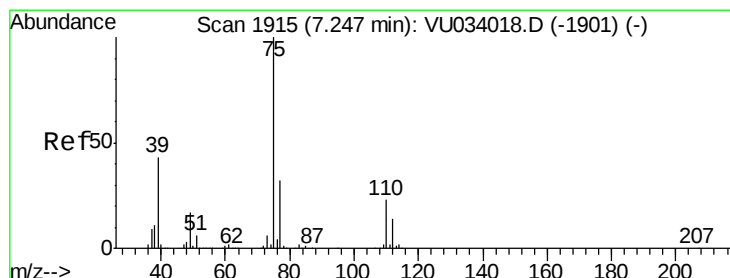
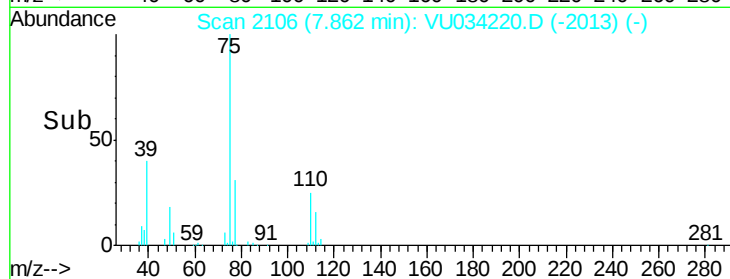
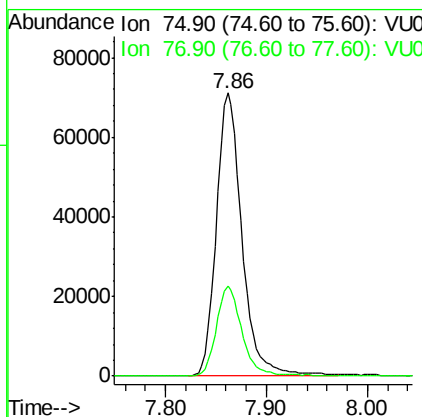
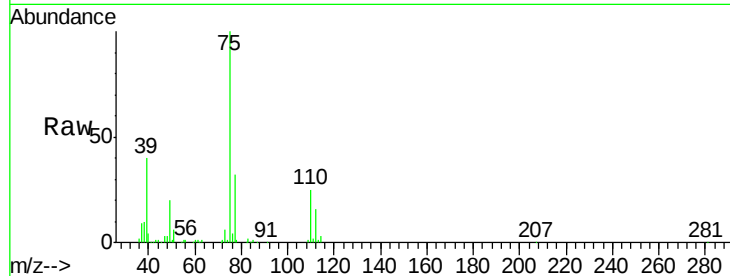
#53  
t-1,3-Dichloropropene  
Concen: 18.958 ug/l  
RT: 7.86 min Scan# 2106  
Delta R.T. 0.00 min  
Lab File: VU034220.D  
Acq: 03 Sep 2019 12:18

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0904MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.8  | 25.4  | 38.0  |

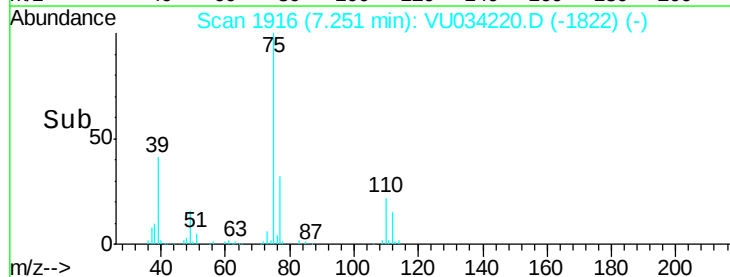
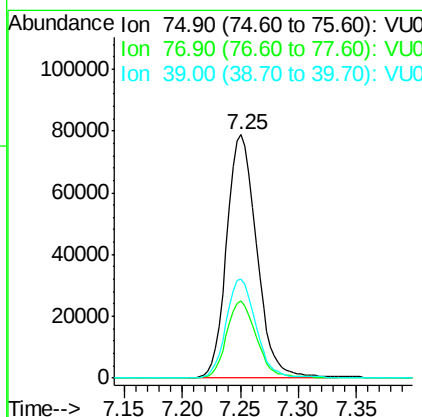
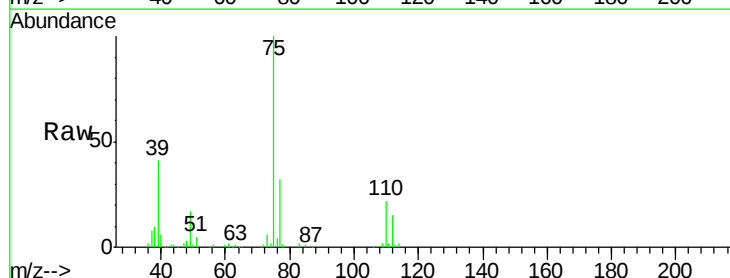
Manual Integrations  
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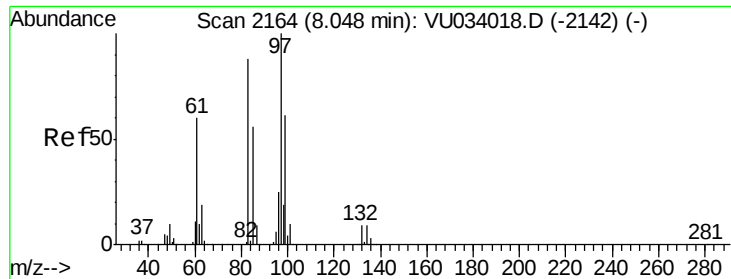
MMDadoda  
9/4/2019 4:57:39 PM



#54  
cis-1,3-Dichloropropene  
Concen: 19.515 ug/l  
RT: 7.25 min Scan# 1916  
Delta R.T. 0.00 min  
Lab File: VU034220.D  
Acq: 03 Sep 2019 12:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.6  | 25.2  | 37.8  |
| 39      | 40.8  | 34.6  | 51.8  |





#55

1,1,2-Trichloroethane

Concen: 19.878 ug/l

RT: 8.05 min Scan# 2164

Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

Instrument :

MSVOA\_U

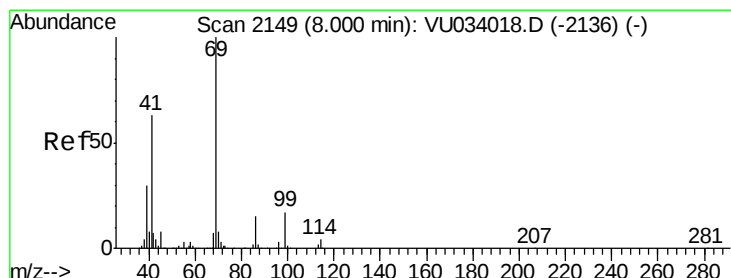
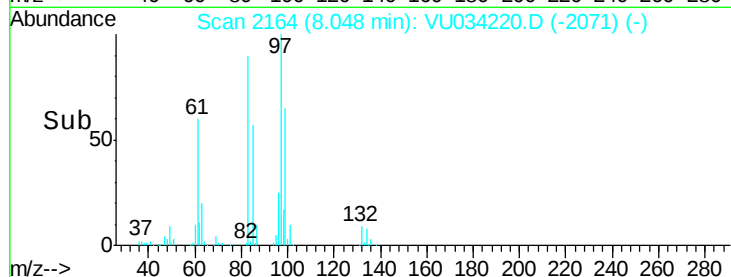
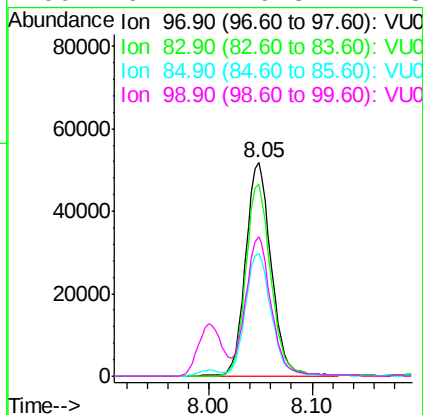
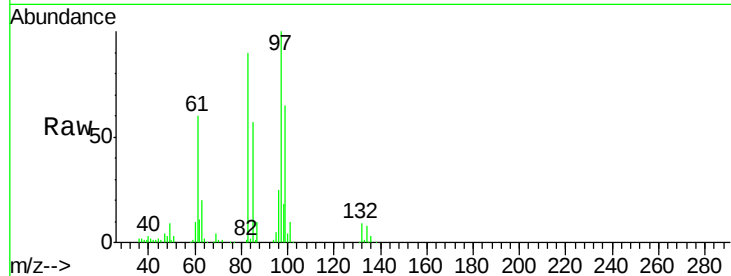
ClientSampleId :

VU0904MBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 89604 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 89.7  | 70.1  | 105.1 |
| 85       | 57.1  | 45.0  | 67.4  |
| 99       | 64.7  | 49.8  | 74.8  |

Manual Integrations  
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9/4/2019 4:57:39 PM



#56

Ethyl methacrylate

Concen: 17.171 ug/l

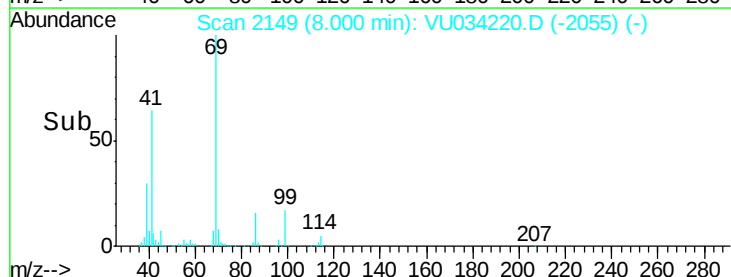
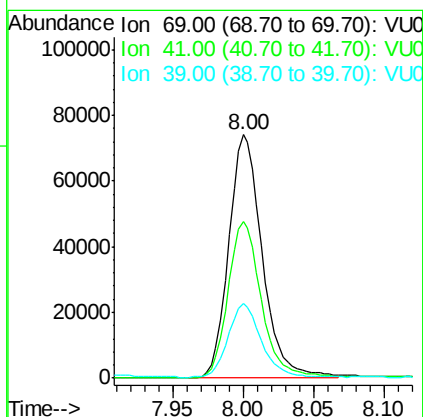
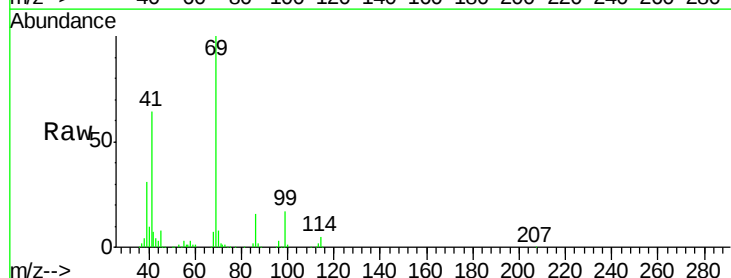
RT: 8.00 min Scan# 2149

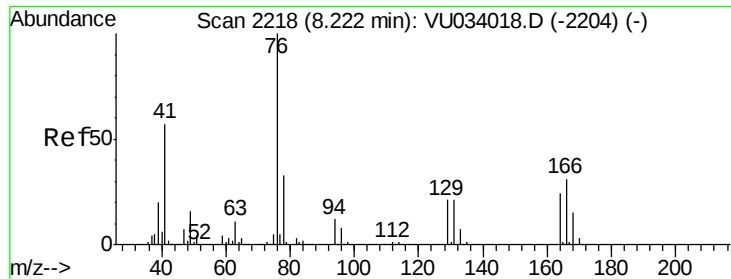
Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 123523 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 64.4  | 50.7  | 76.1   |
| 39       | 29.8  | 24.2  | 36.2   |





#57

1,3-Dichloropropane

Concen: 19.517 ug/l

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

Instrument :

MSVOA\_U

ClientSampleId :

VU0904MBS01

Tot Ion: 76 Resp: 149379

Ion Ratio Lower Upper

76 100

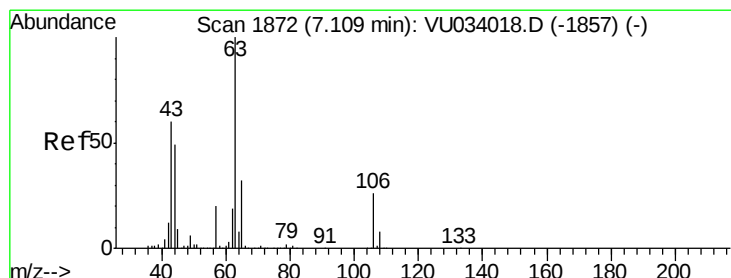
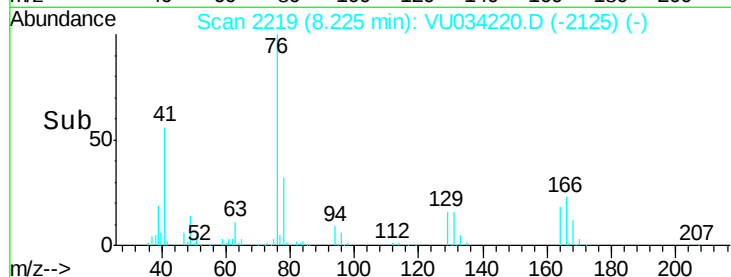
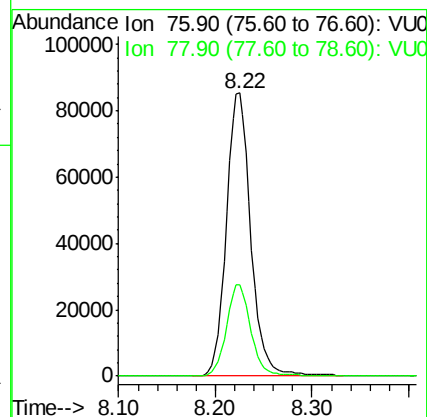
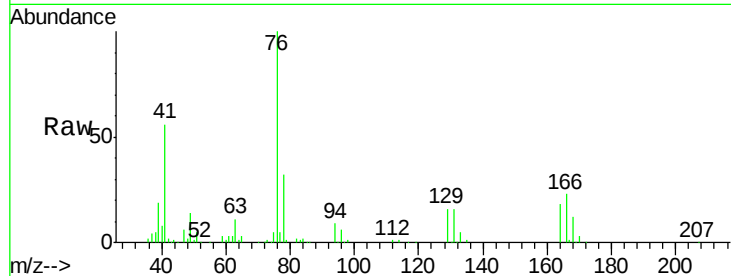
78 32.3 26.2 39.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 86.859 ug/l

RT: 7.11 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VU034220.D

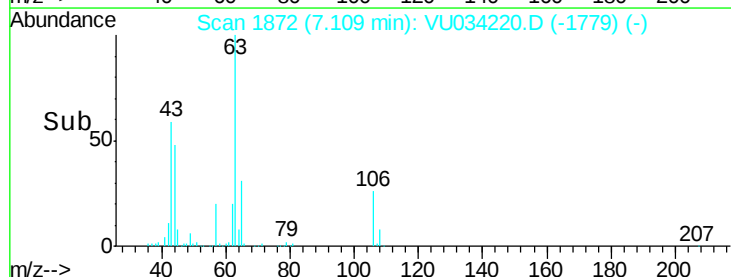
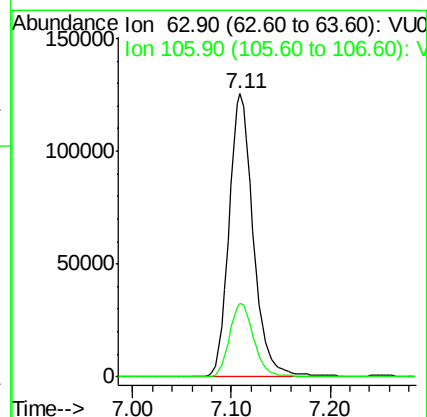
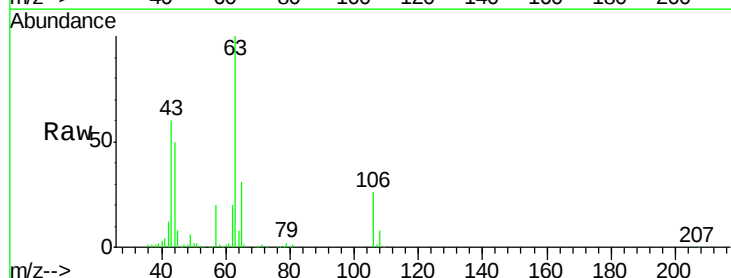
Acq: 03 Sep 2019 12:18

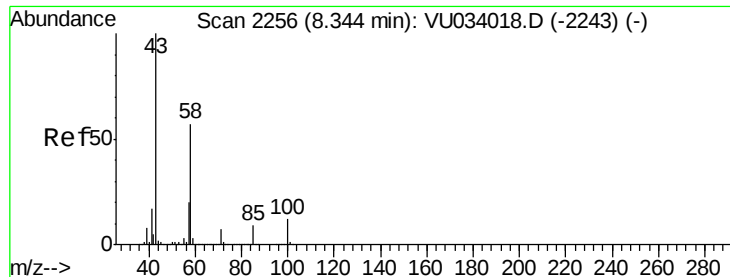
Tgt Ion: 63 Resp: 216609

Ion Ratio Lower Upper

63 100

106 26.2 20.7 31.1





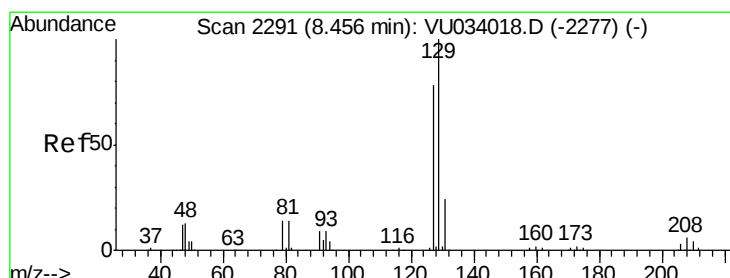
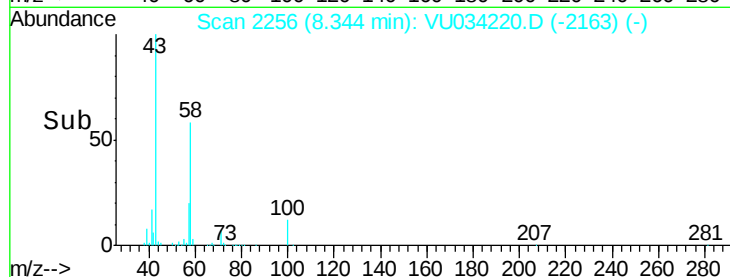
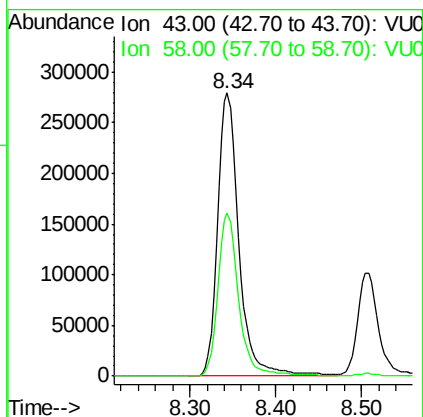
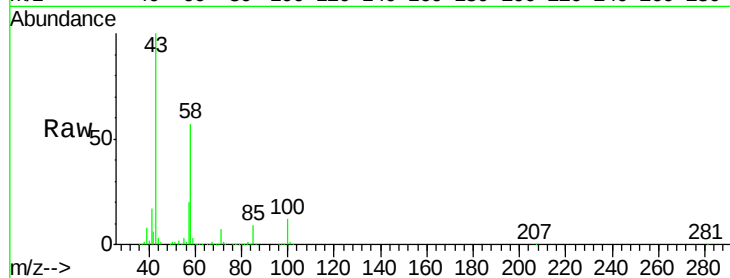
#59  
2-Hexanone  
Concen: 94.575 ug/l  
RT: 8.34 min Scan# 2256  
Delta R.T. 0.00 min  
Lab File: VU034220.D  
Acq: 03 Sep 2019 12:18

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0904MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 56.6  | 28.4  | 85.3  |

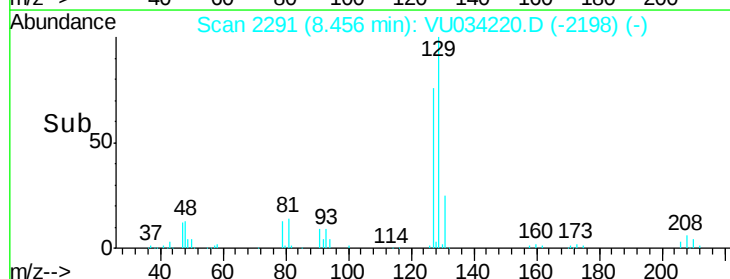
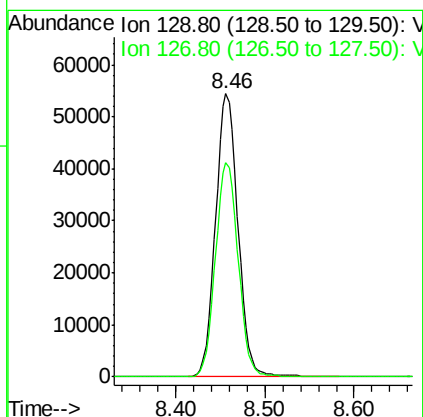
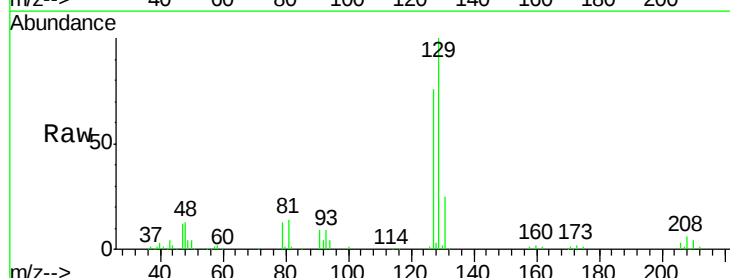
Manual Integrations  
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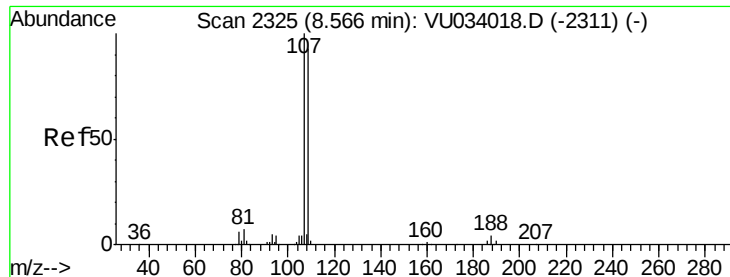
MMDadoda  
9/4/2019 4:57:39 PM



#60  
Dibromochloromethane  
Concen: 19.645 ug/l  
RT: 8.46 min Scan# 2291  
Delta R.T. 0.00 min  
Lab File: VU034220.D  
Acq: 03 Sep 2019 12:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 129     | 100   |       |       |
| 127     | 76.3  | 39.0  | 116.9 |





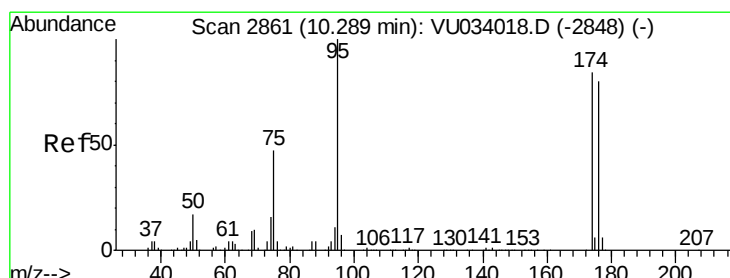
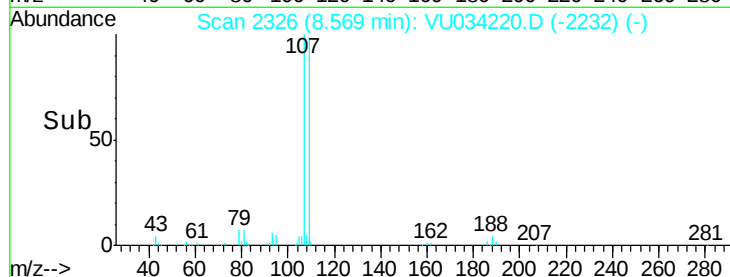
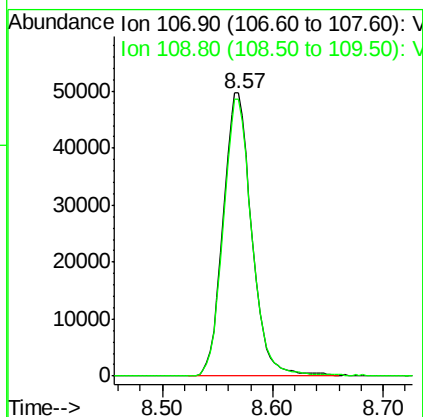
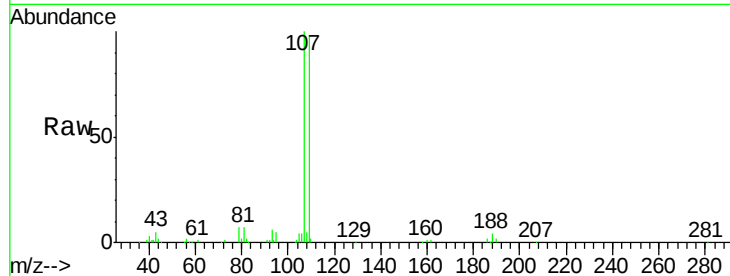
#61  
 1,2-Dibromoethane  
 Concen: 18.831 ug/l  
 RT: 8.57 min Scan# 2326  
 Delta R.T. 0.00 min  
 Lab File: VU034220.D  
 Acq: 03 Sep 2019 12:18

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0904MBS01

Tot Ion: 107 Resp: 89416  
 Ion Ratio Lower Upper  
 107 100  
 109 97.5 75.2 112.8

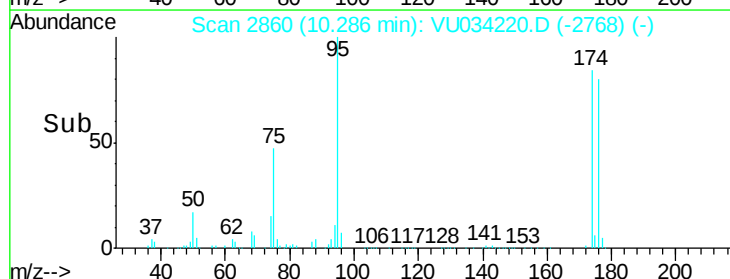
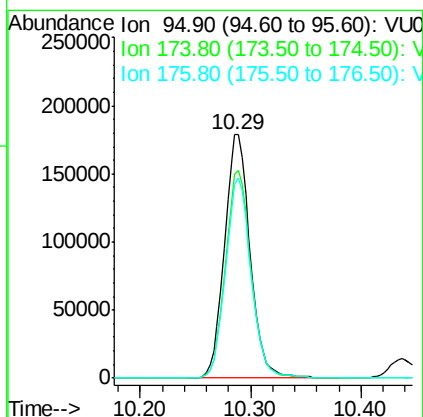
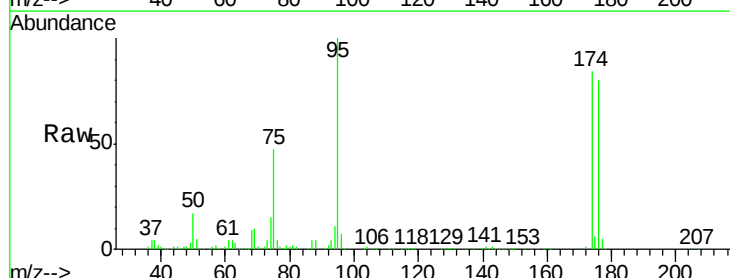
Manual Integrations  
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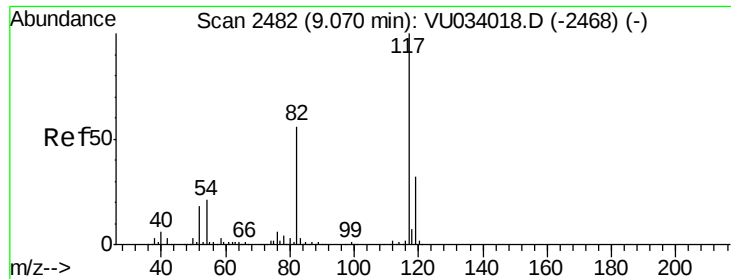
MMDadoda  
 9/4/2019 4:57:39 PM



#62  
 4-Bromofluorobenzene  
 Concen: 47.231 ug/l  
 RT: 10.29 min Scan# 2860  
 Delta R.T. -0.00 min  
 Lab File: VU034220.D  
 Acq: 03 Sep 2019 12:18

Tgt Ion: 95 Resp: 288430  
 Ion Ratio Lower Upper  
 95 100  
 174 85.5 0.0 168.8  
 176 82.0 0.0 161.8





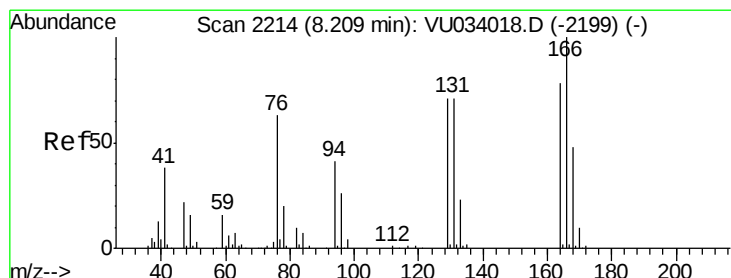
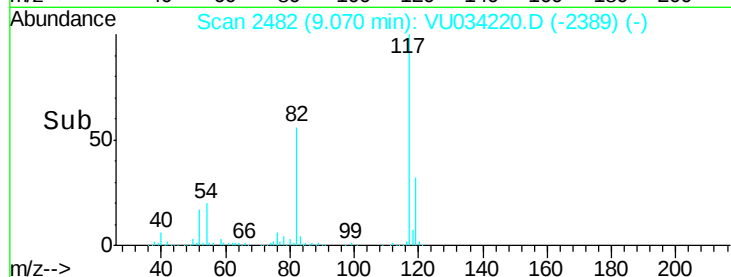
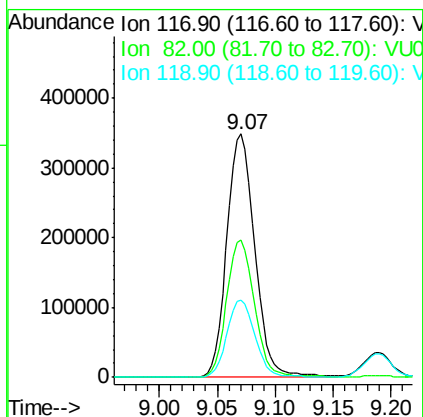
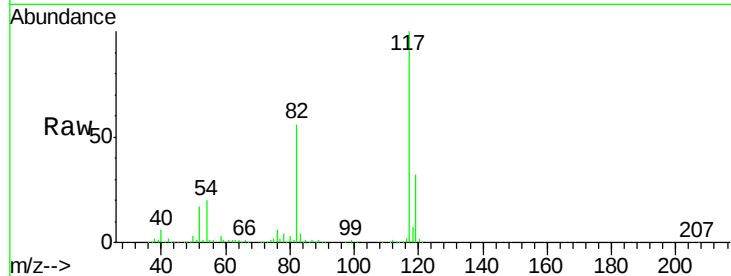
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.07 min Scan# 2482  
Delta R.T. 0.00 min  
Lab File: VU034220.D  
Acq: 03 Sep 2019 12:18

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0904MBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 585802 |       |       |
| 82      | 56.5  |        | 45.1  | 67.7  |
| 119     | 31.9  |        | 25.4  | 38.0  |

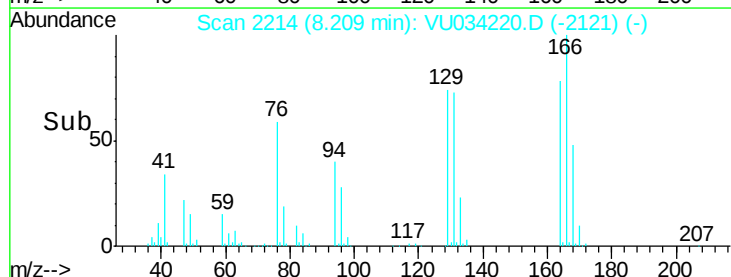
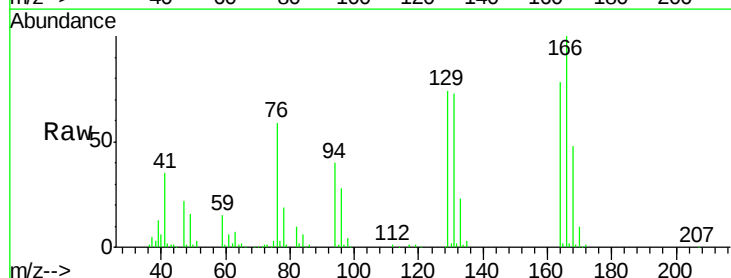
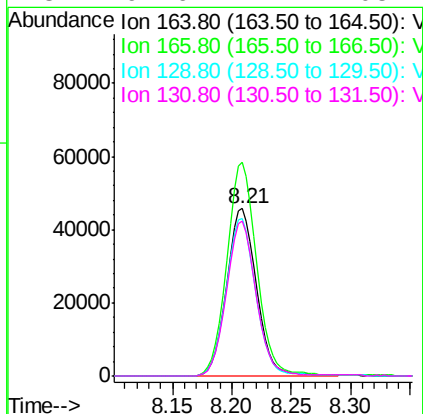
Manual Integrations  
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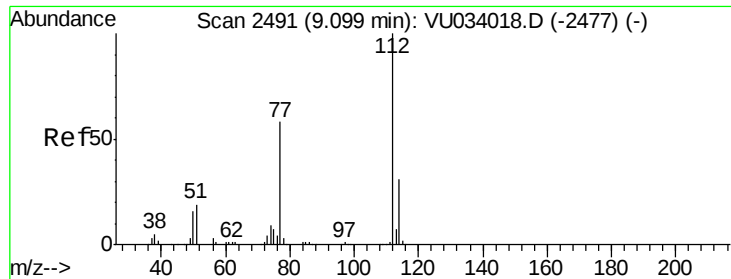
MMDadoda  
9/4/2019 4:57:39 PM



#64  
Tetrachloroethene  
Concen: 20.239 ug/l  
RT: 8.21 min Scan# 2214  
Delta R.T. 0.00 min  
Lab File: VU034220.D  
Acq: 03 Sep 2019 12:18

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 79623 |       |       |
| 166     | 127.6 |       | 102.2 | 153.2 |
| 129     | 94.4  |       | 72.4  | 108.6 |
| 131     | 92.6  |       | 72.1  | 108.1 |





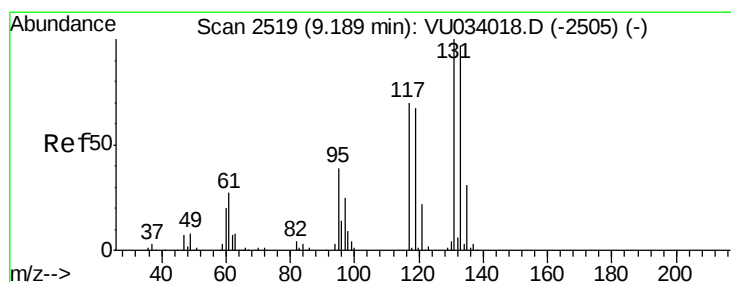
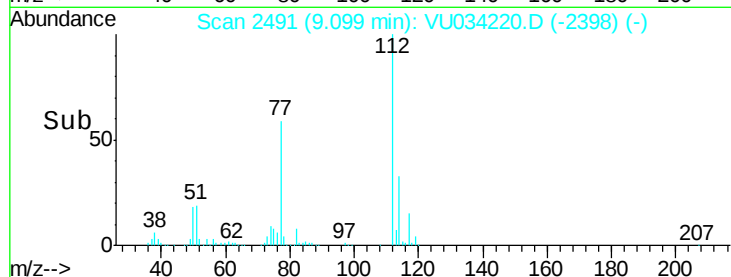
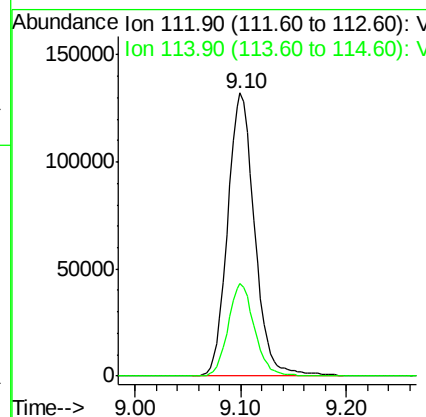
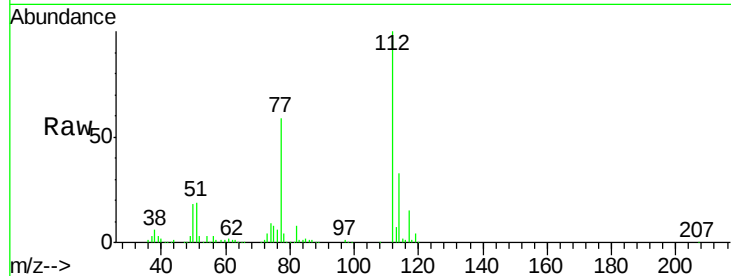
#65  
Chlorobenzene  
Concen: 19.480 ug/l  
RT: 9.10 min Scan# 2491  
Delta R.T. 0.00 min  
Lab File: VU034220.D  
Acq: 03 Sep 2019 12:18

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0904MBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 112     | 100   | 234832 |       |       |
| 114     | 32.7  | 25.0   | 37.4  |       |

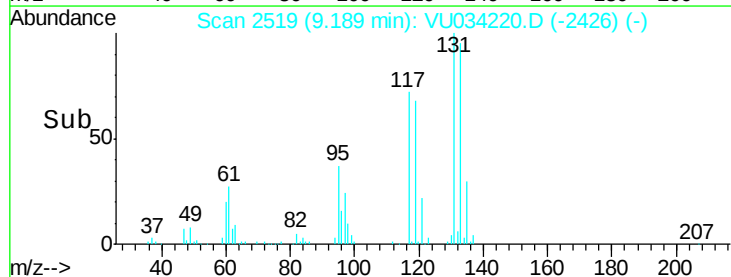
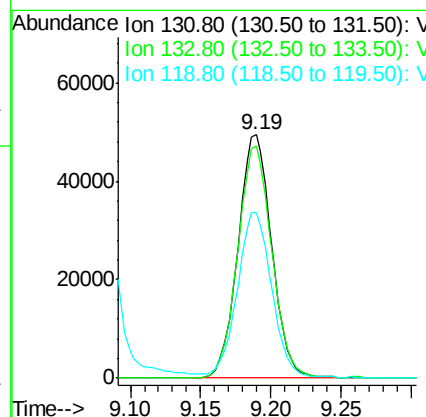
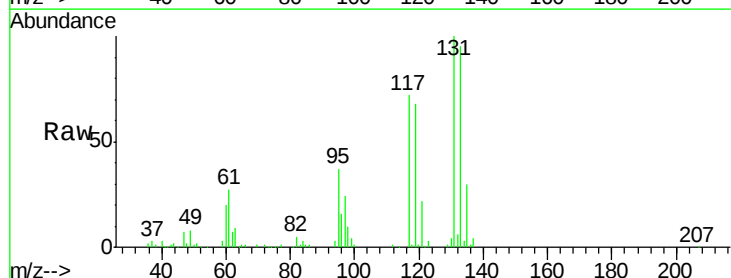
Manual Integrations  
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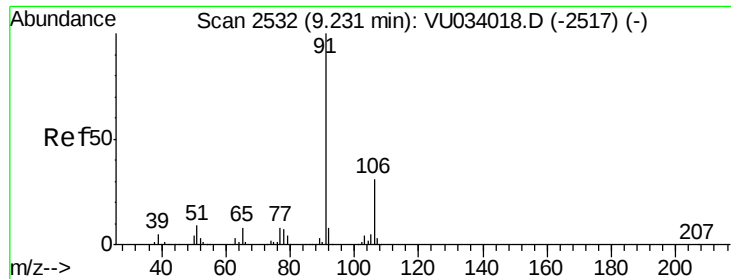
MMDadoda  
9/4/2019 4:57:39 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 18.967 ug/l  
RT: 9.19 min Scan# 2519  
Delta R.T. 0.00 min  
Lab File: VU034220.D  
Acq: 03 Sep 2019 12:18

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 131     | 100   | 82912 |       |       |
| 133     | 96.7  | 48.4  | 145.2 |       |
| 119     | 69.1  | 33.6  | 100.6 |       |





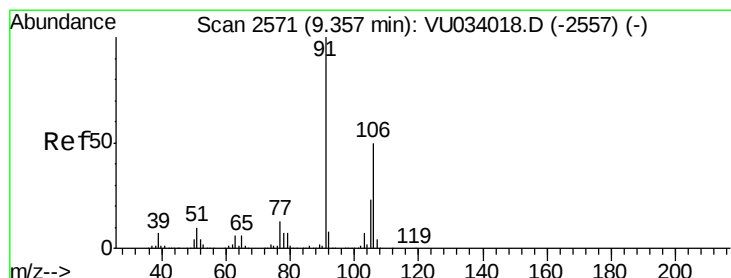
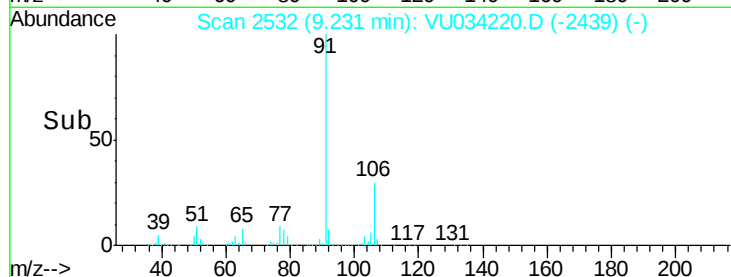
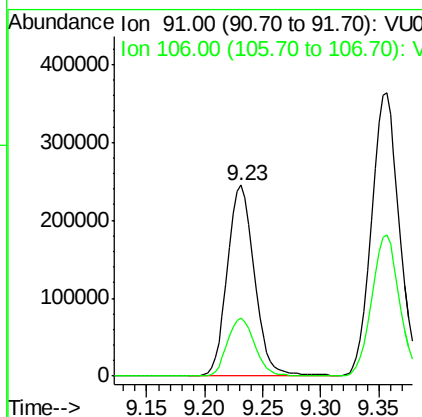
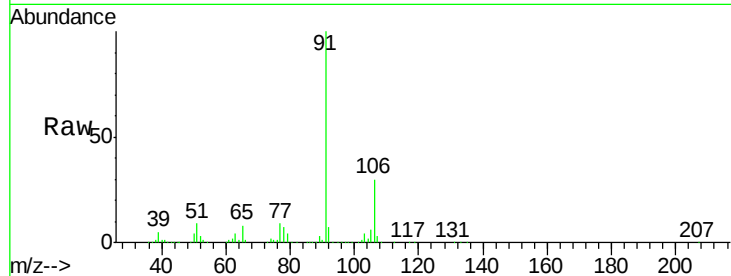
#67  
Ethyl Benzene  
Concen: 19.403 ug/l  
RT: 9.23 min Scan# 2532  
Delta R.T. 0.00 min  
Lab File: VU034220.D  
Acq: 03 Sep 2019 12:18

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0904MBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 91      | 100   | 396501 |       |       |
| 106     | 30.2  | 24.9   | 37.3  |       |

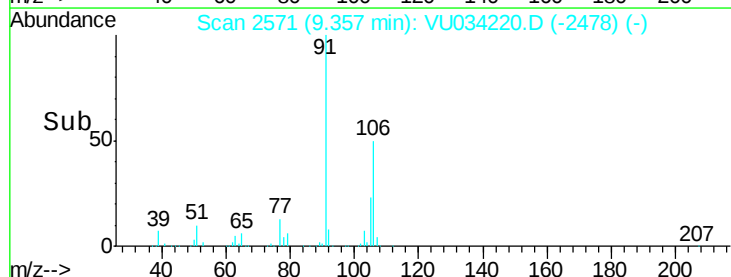
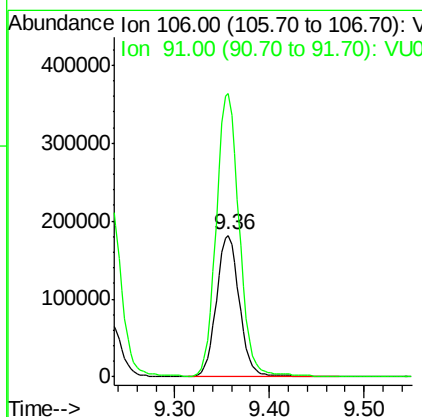
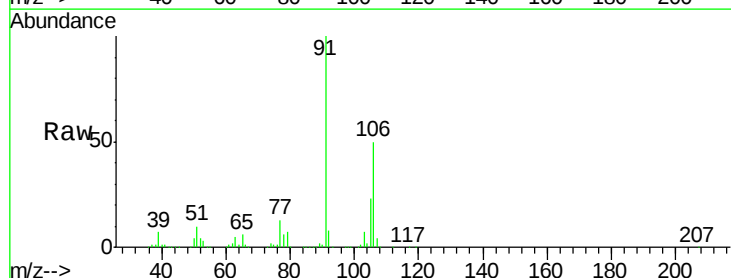
Manual Integrations  
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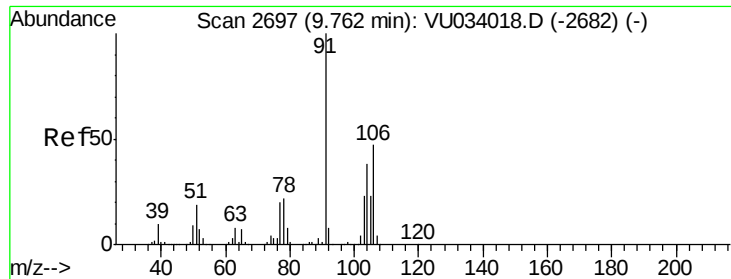
MMDadoda  
9/4/2019 4:57:39 PM



#68  
m/p-Xylenes  
Concen: 39.351 ug/l  
RT: 9.36 min Scan# 2571  
Delta R.T. 0.00 min  
Lab File: VU034220.D  
Acq: 03 Sep 2019 12:18

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 106     | 100   | 305764 |       |       |
| 91      | 201.4 | 161.6  | 242.4 |       |





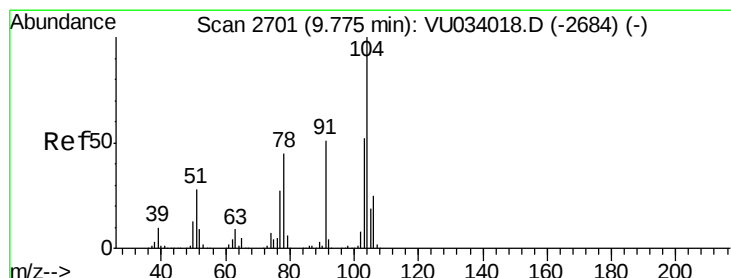
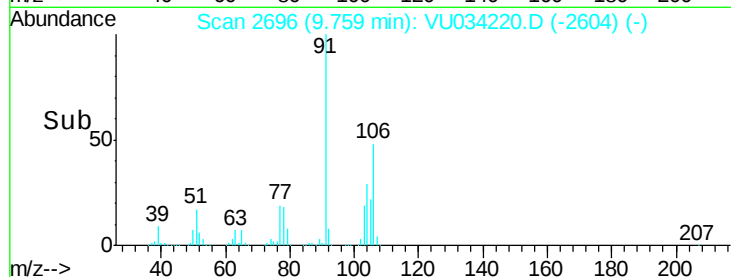
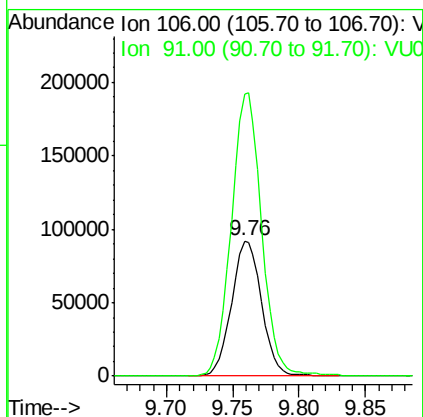
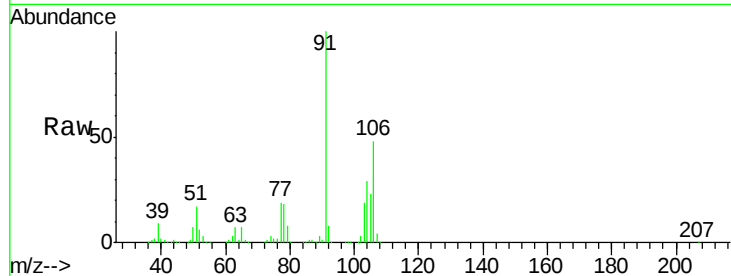
#69  
o-Xylene  
Concen: 19.463 ug/l  
RT: 9.76 min Scan# 2696  
Delta R.T. -0.00 min  
Lab File: VU034220.D  
Acq: 03 Sep 2019 12:18

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0904MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 211.1 | 106.0 | 318.0 |

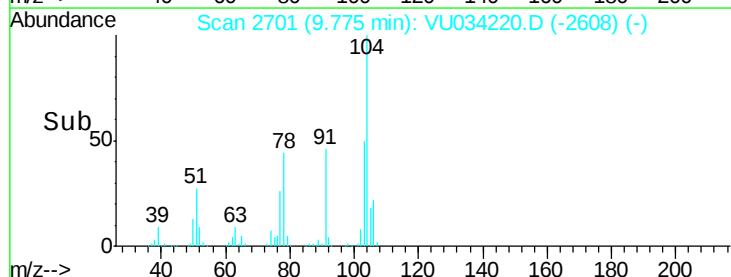
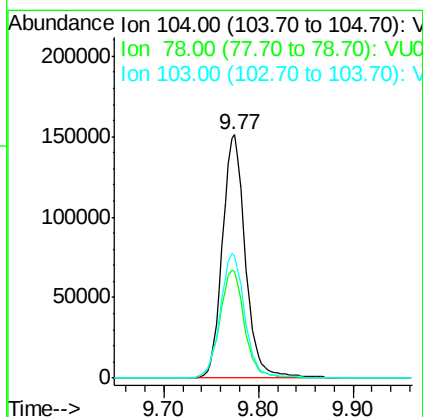
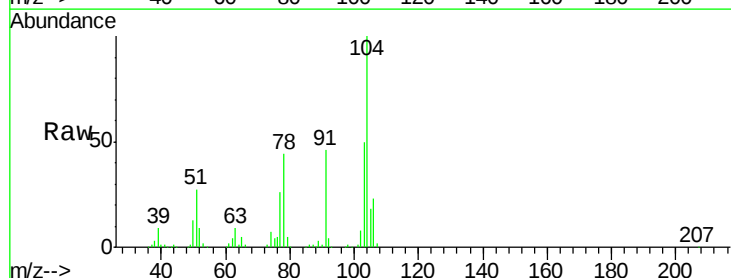
Manual Integrations  
APPROVED

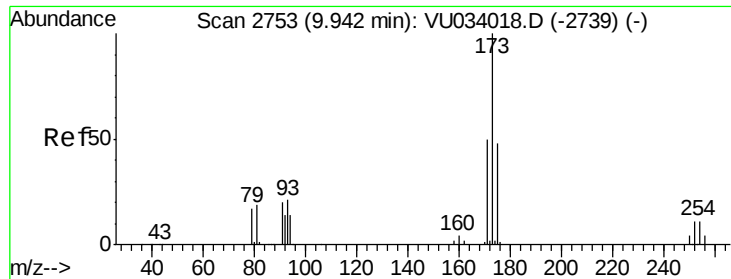
MMDadoda  
9/4/2019 4:57:39 PM



#70  
Styrene  
Concen: 20.032 ug/l  
RT: 9.77 min Scan# 2701  
Delta R.T. 0.00 min  
Lab File: VU034220.D  
Acq: 03 Sep 2019 12:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 47.9  | 39.0  | 58.4  |
| 103     | 54.6  | 44.0  | 66.0  |





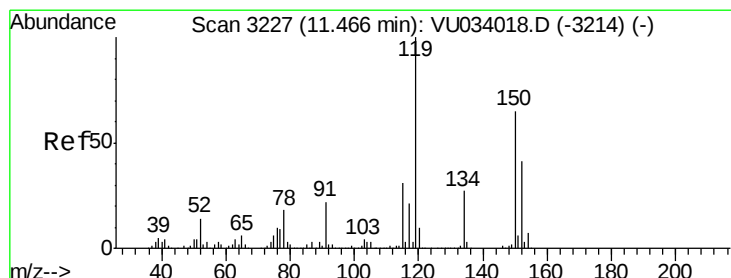
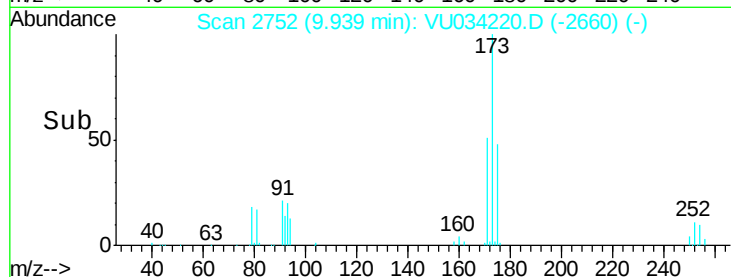
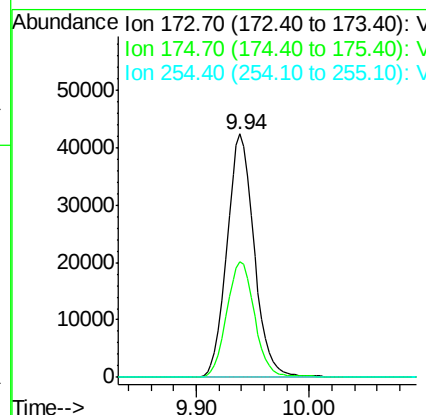
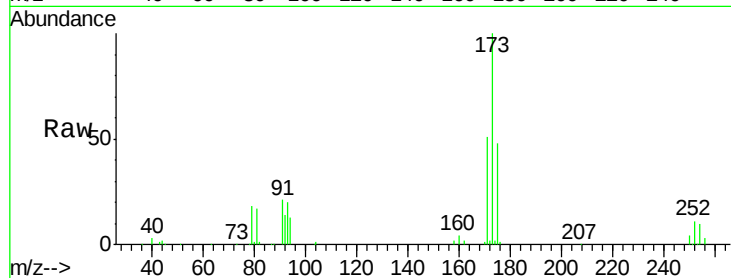
#71  
Bromoform  
Concen: 18.711 ug/l  
RT: 9.94 min Scan# 2752  
Delta R.T. -0.00 min  
Lab File: VU034220.D  
Acq: 03 Sep 2019 12:18

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0904MBS01

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 173     | 100  |       |       |       |
| 175     | 48.7 | 24.6  | 73.6  |       |
| 254     | 0.1  | 0.0   | 0.0   |       |

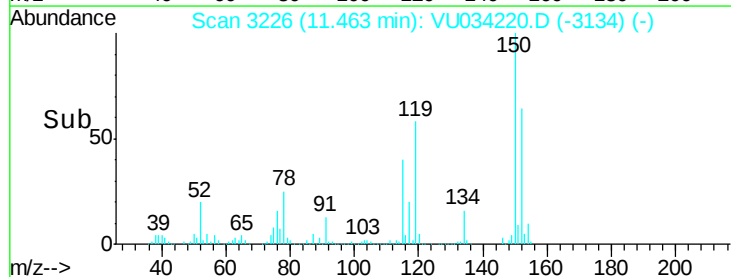
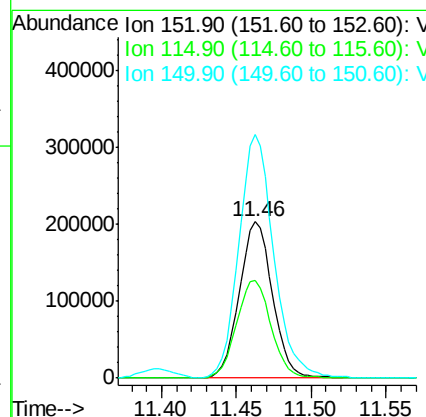
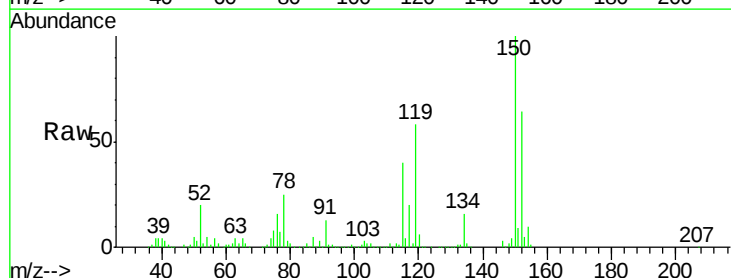
Manual Integrations  
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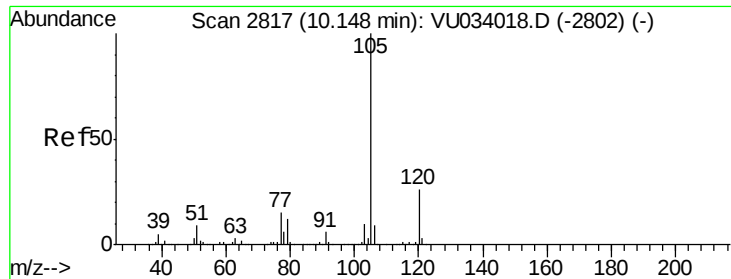
MMDadoda  
9/4/2019 4:57:39 PM



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.46 min Scan# 3226  
Delta R.T. -0.00 min  
Lab File: VU034220.D  
Acq: 03 Sep 2019 12:18

| Tgt Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 152     | 100   |       |       |       |
| 115     | 65.3  | 41.1  | 123.3 |       |
| 150     | 163.1 | 0.0   | 348.8 |       |





#73

Isopropylbenzene

Concen: 18.644 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

Instrument :

MSVOA\_U

ClientSampleId :

VU0904MBS01

Tot Ion: 105 Resp: 393607

Ion Ratio Lower Upper

105 100

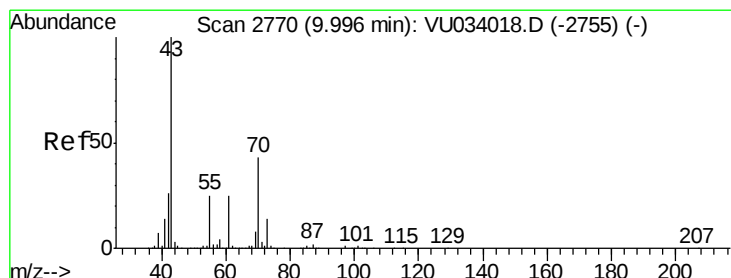
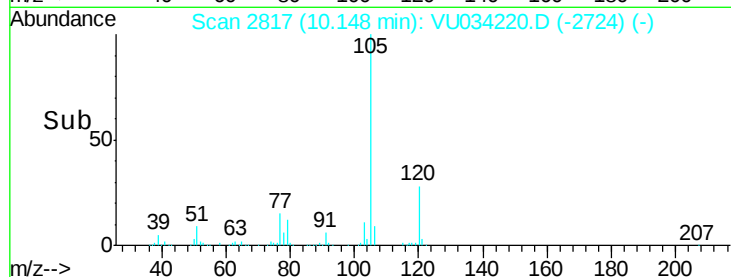
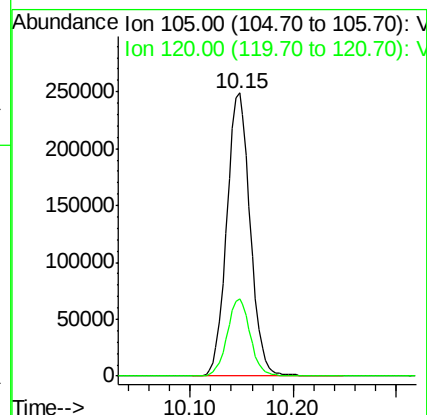
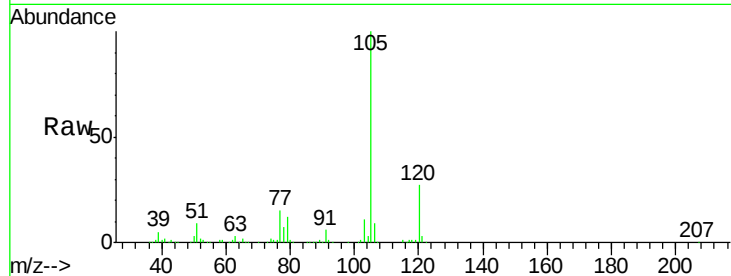
120 26.8 13.3 39.8

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#74

N-ethyl acetate

Concen: 17.770 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

Tgt Ion: 43 Resp: 157790

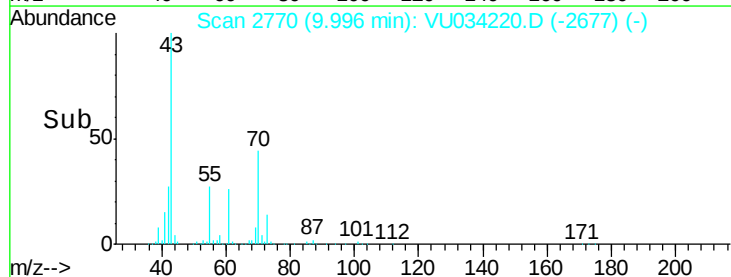
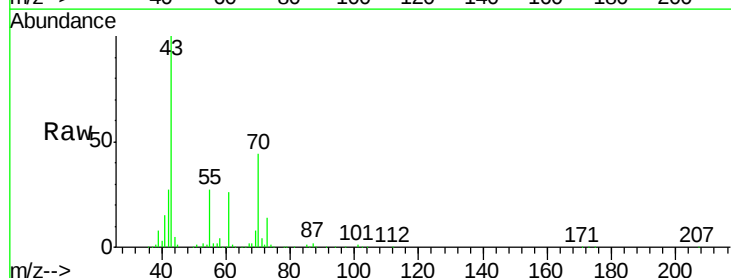
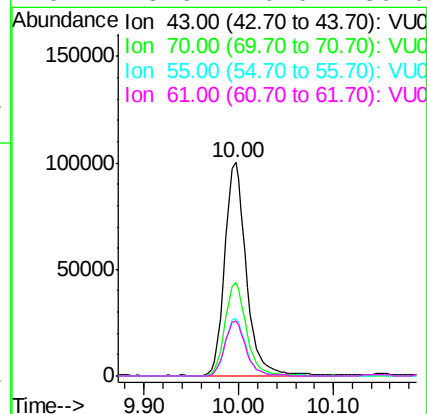
Ion Ratio Lower Upper

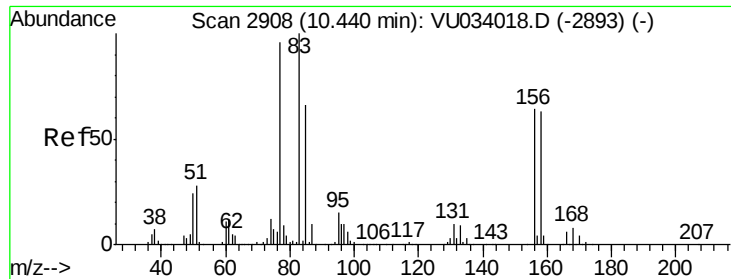
43 100

70 44.1 35.2 52.8

55 26.6 20.5 30.7

61 25.6 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.739 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

Instrument :

MSVOA\_U

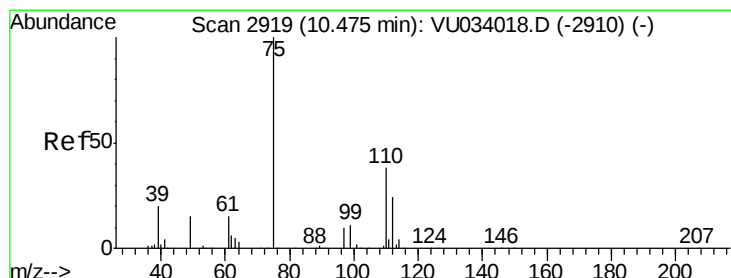
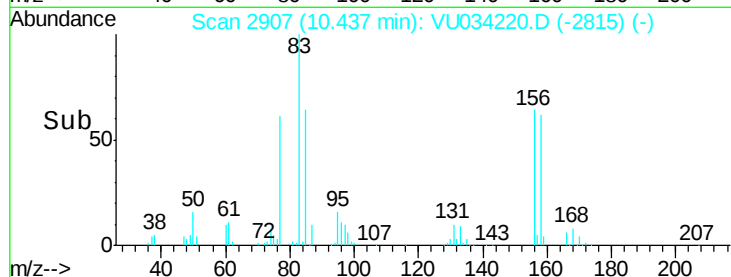
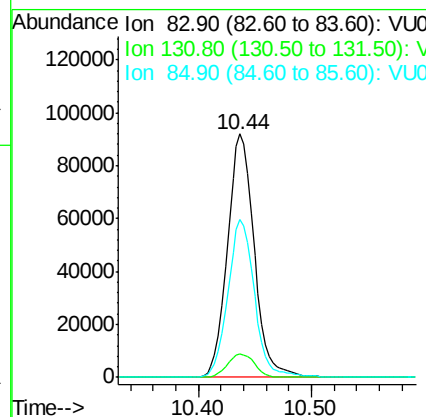
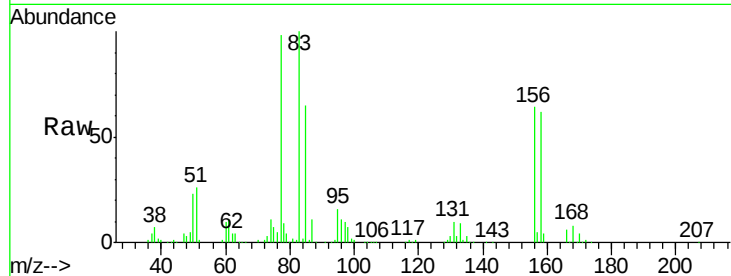
ClientSampleId :

VU0904MBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 151419 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 9.8   | 5.0   | 14.9   |
| 85        | 64.5  | 32.2  | 96.6   |

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#76

1,2,3-Trichloropropane

Concen: 18.439 ug/l m

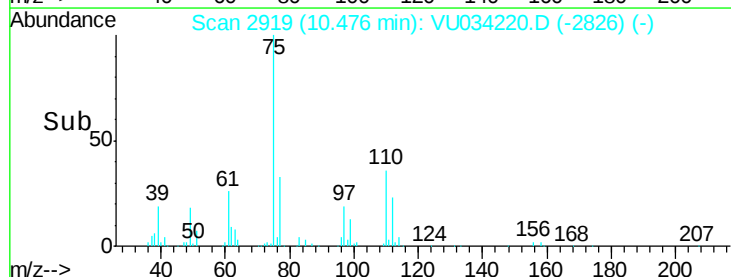
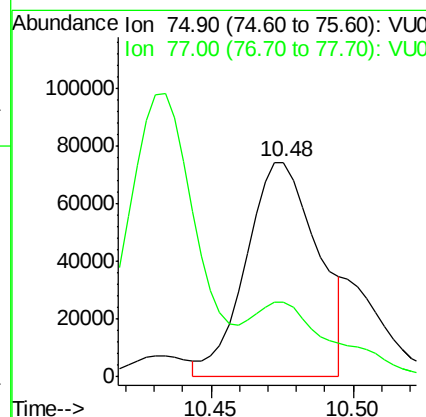
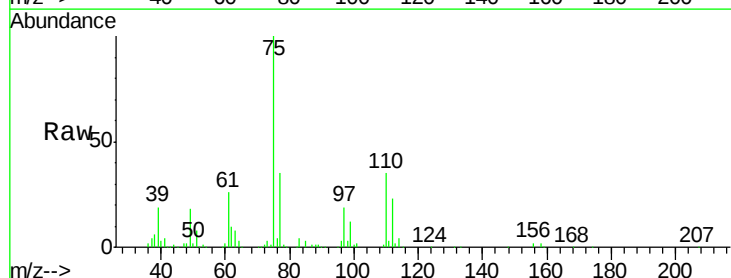
RT: 10.48 min Scan# 2919

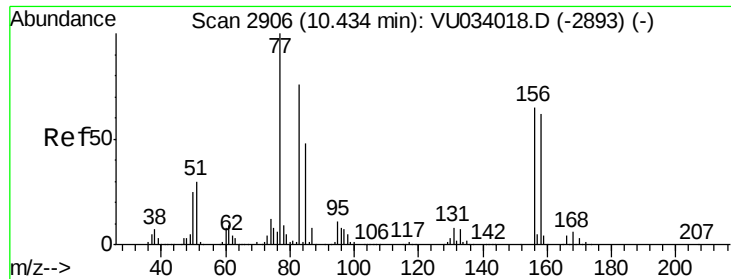
Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 130622 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 40.2  | 20.1  | 60.2   |





#77

Bromobenzene

Concen: 18.805 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

Instrument :

MSVOA\_U

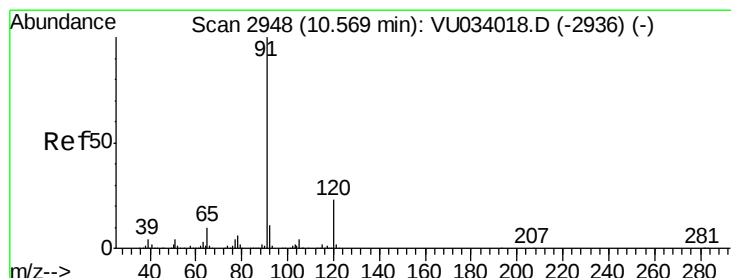
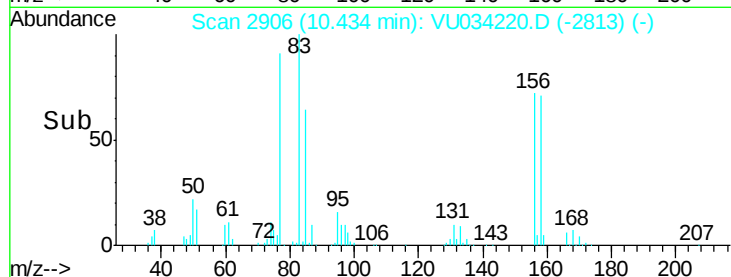
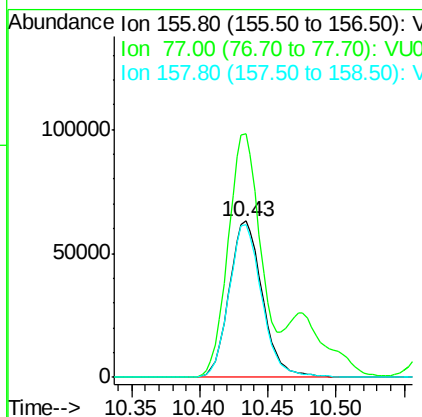
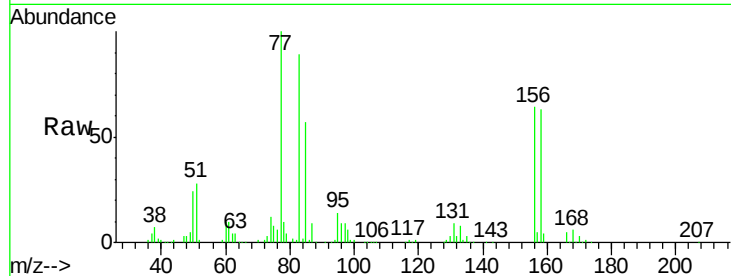
ClientSampleId :

VU0904MBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 106797 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 153.9 | 76.8  | 230.5  |
| 158       | 96.9  | 48.4  | 145.0  |

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#78

n-propylbenzene

Concen: 18.723 ug/l

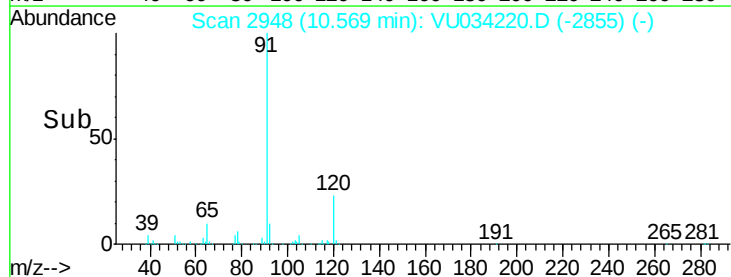
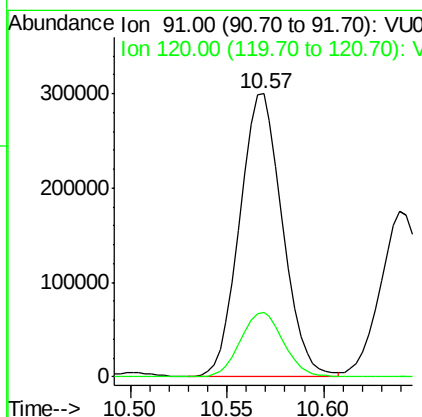
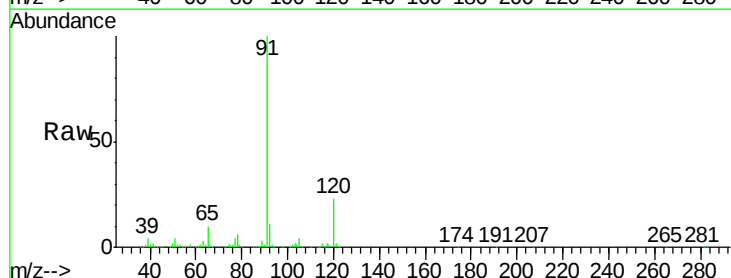
RT: 10.57 min Scan# 2948

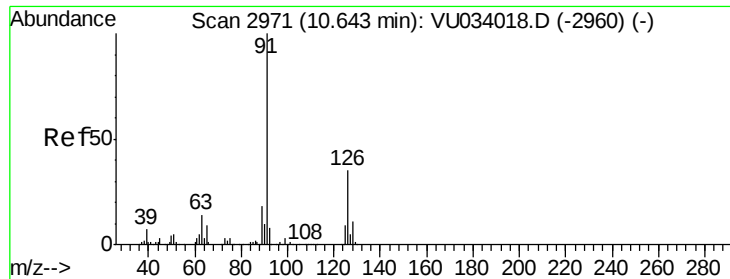
Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 460335 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 23.0  | 11.7  | 35.0   |





#79

2-Chlorotoluene

Concen: 18.937 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. -0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

Instrument :

MSVOA\_U

ClientSampleId :

VU0904MBS01

Tot Ion: 91 Resp: 279269

Ion Ratio Lower Upper

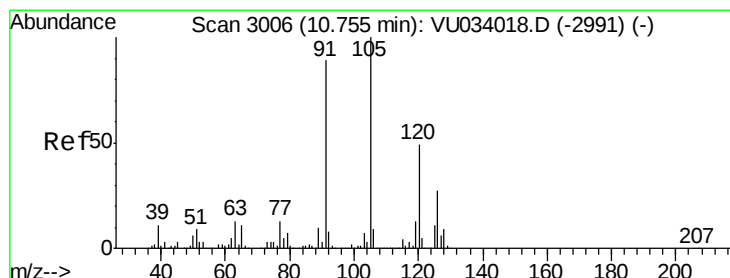
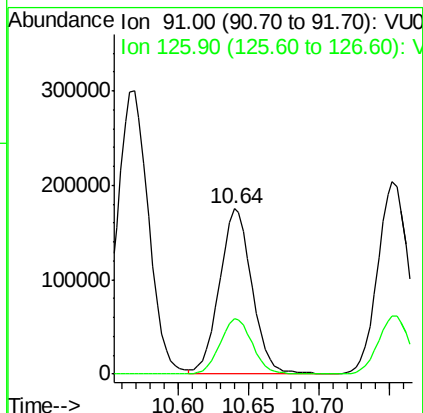
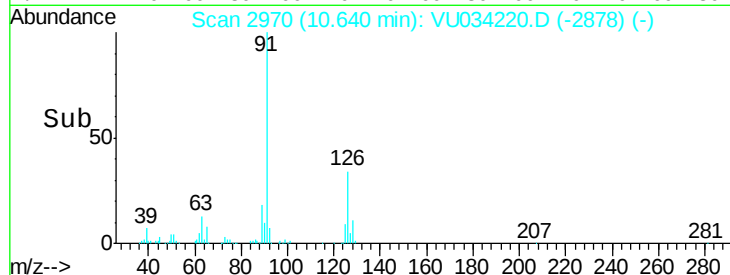
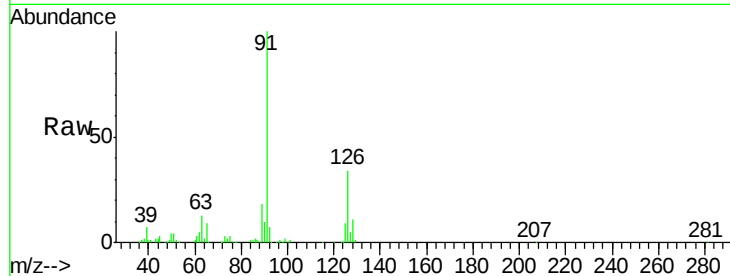
91 100

126 33.8 17.1 51.2

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#80

1,3,5-Trimethylbenzene

Concen: 19.182 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU034220.D

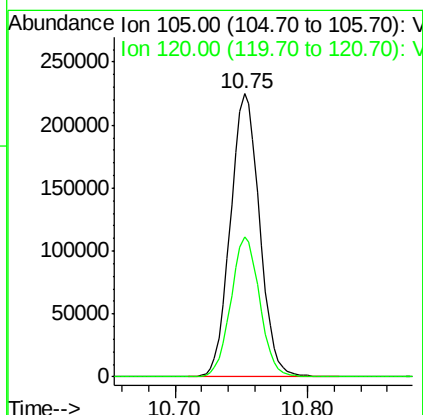
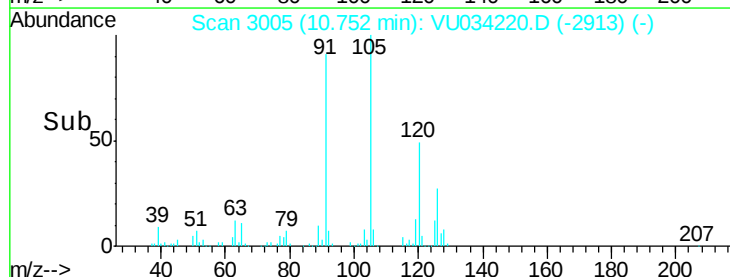
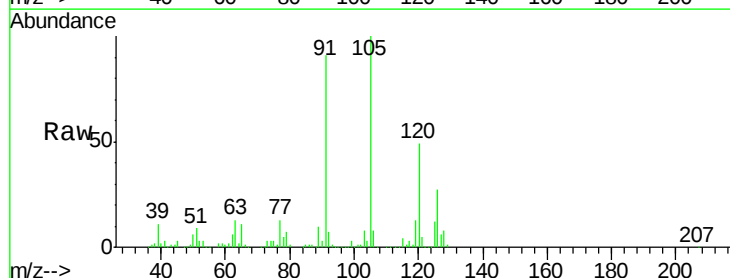
Acq: 03 Sep 2019 12:18

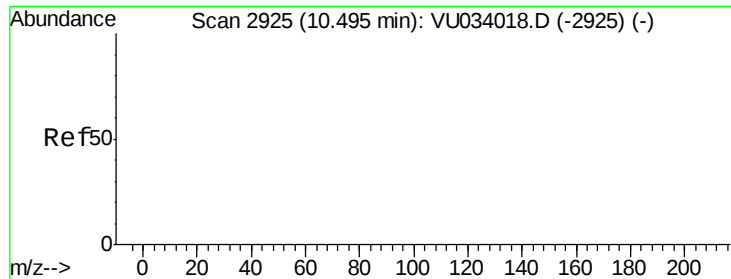
Tgt Ion: 105 Resp: 343231

Ion Ratio Lower Upper

105 100

120 49.1 24.6 73.6





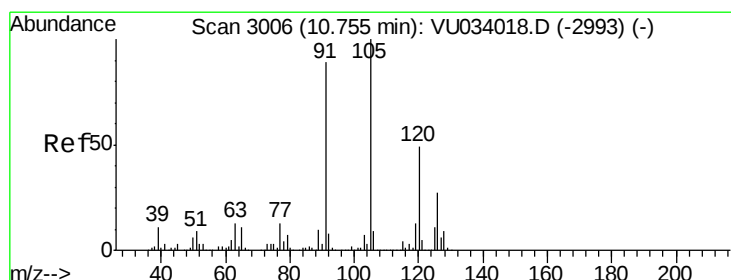
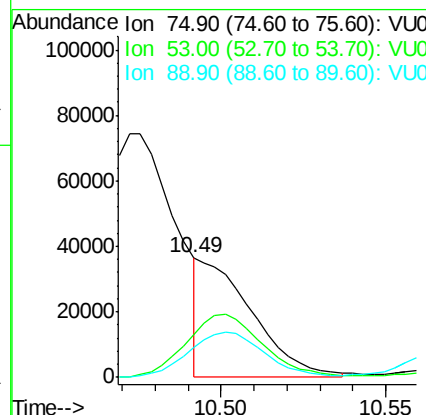
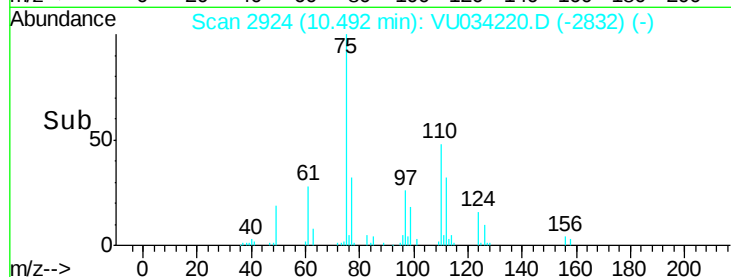
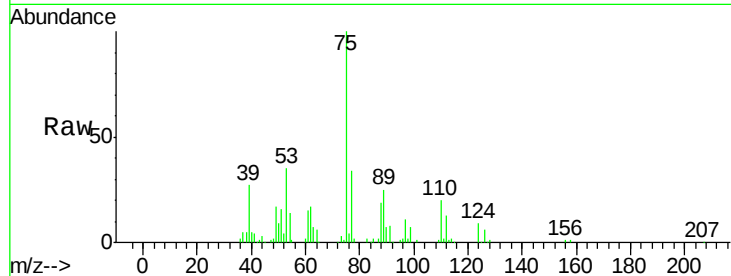
#81  
trans-1,4-Dichloro-2-butene  
Concen: 19.153 ug/l m  
RT: 10.49 min Scan# 2924  
Delta R.T. -0.00 min  
Lab File: VU034220.D  
Acq: 03 Sep 2019 12:18

Instrument :  
MSVOA\_U  
ClientSampled :  
VU0904MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 0.0   | 0.0   | 0.0   |
| 89      | 0.0   | 0.0   | 0.0   |

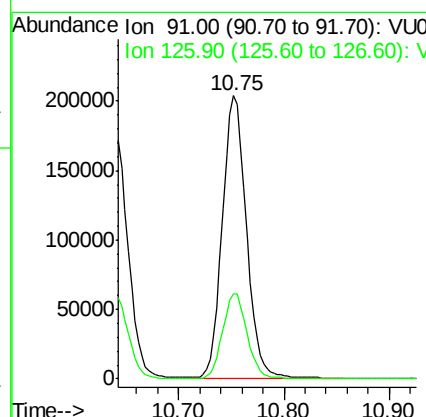
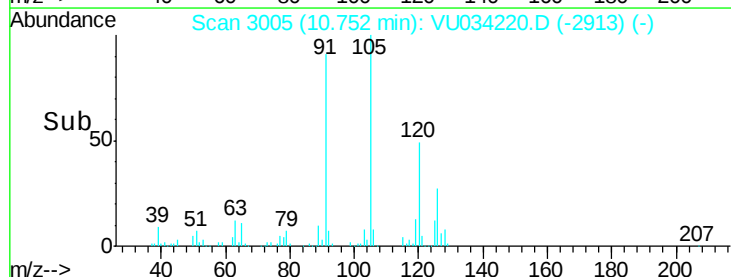
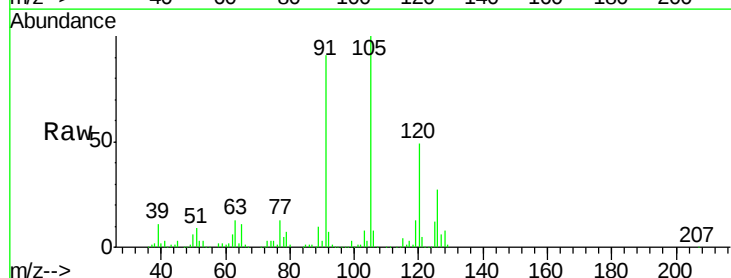
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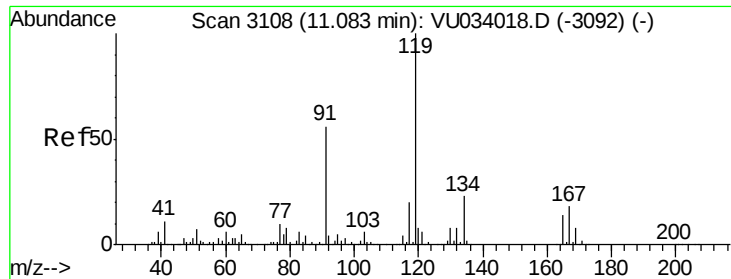
MMDadoda  
9/4/2019 4:57:39 PM



#82  
4-Chlorotoluene  
Concen: 18.976 ug/l  
RT: 10.75 min Scan# 3005  
Delta R.T. -0.00 min  
Lab File: VU034220.D  
Acq: 03 Sep 2019 12:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 30.4  | 15.0  | 45.1  |





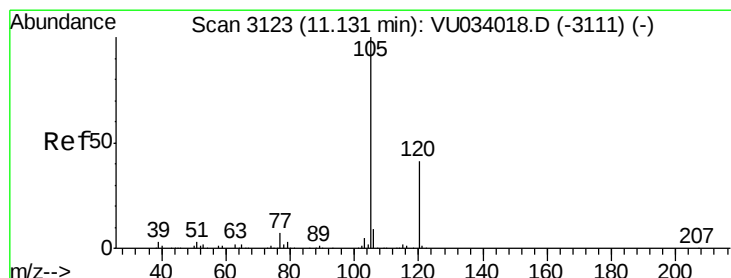
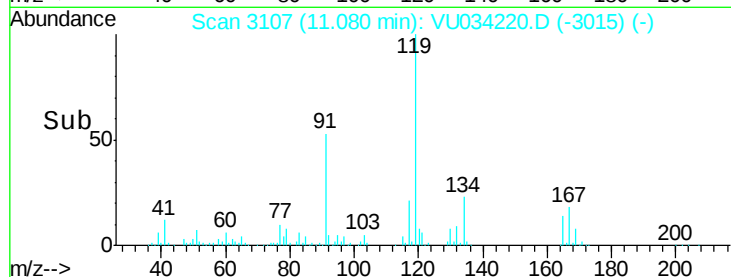
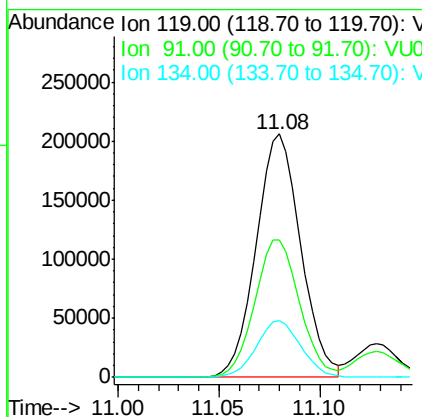
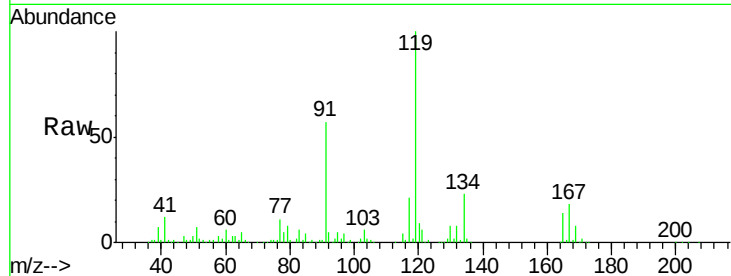
#83  
tert-Butylbenzene  
Concen: 18.047 ug/l  
RT: 11.08 min Scan# 3107  
Delta R.T. -0.00 min  
Lab File: VU034220.D  
Acq: 03 Sep 2019 12:18

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0904MBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 317894 |       |       |
| 91      | 56.7  | 27.9   | 83.6  |       |
| 134     | 23.2  | 11.4   | 34.2  |       |

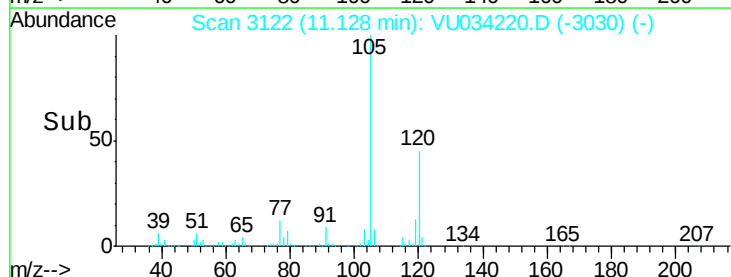
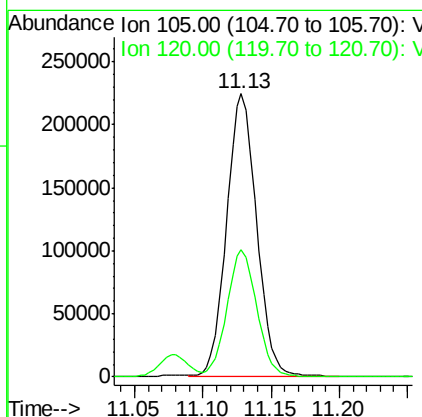
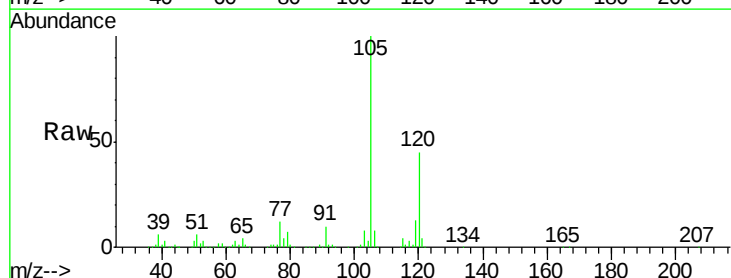
Manual Integrations  
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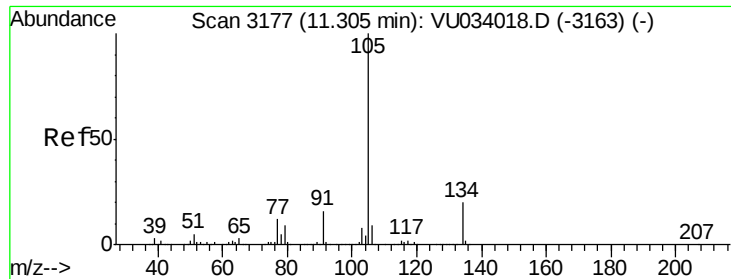
MMDadoda  
9/4/2019 4:57:39 PM



#84  
1,2,4-Trimethylbenzene  
Concen: 19.230 ug/l  
RT: 11.13 min Scan# 3122  
Delta R.T. -0.00 min  
Lab File: VU034220.D  
Acq: 03 Sep 2019 12:18

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 341675 |       |       |
| 120     | 45.0  | 22.6   | 67.8  |       |





#85

sec-Butylbenzene

Concen: 18.644 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. -0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

Instrument :

MSVOA\_U

ClientSampleId :

VU0904MBS01

Tot Ion:105 Resp: 393619

Ion Ratio Lower Upper

105 100

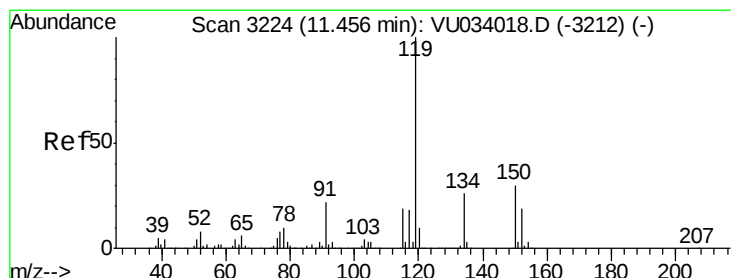
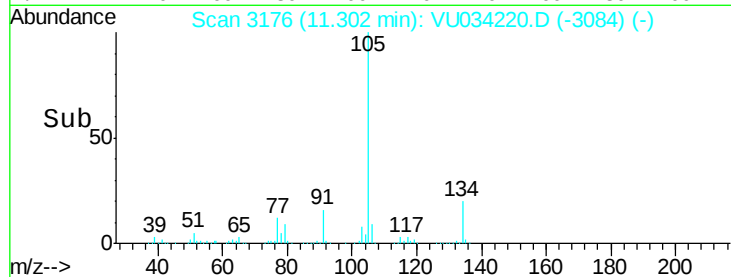
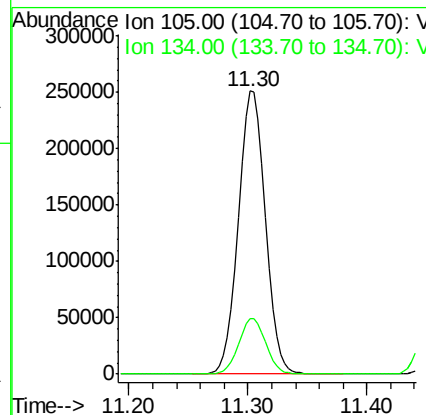
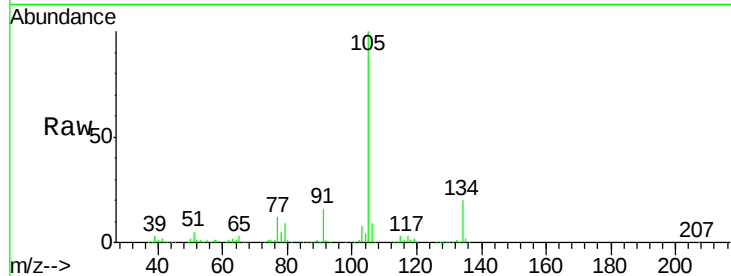
134 19.8 10.0 30.0

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#86

p-Isopropyltoluene

Concen: 18.731 ug/l

RT: 11.46 min Scan# 3224

Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

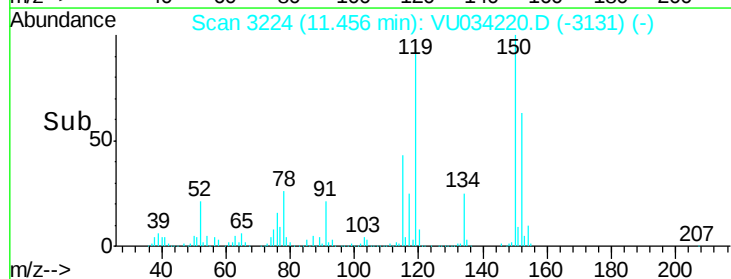
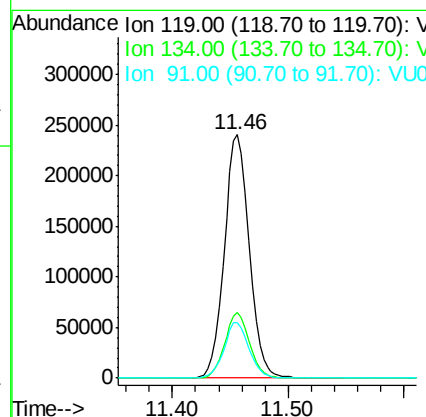
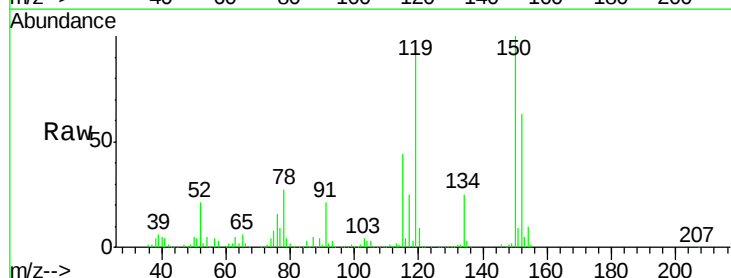
Tgt Ion:119 Resp: 357657

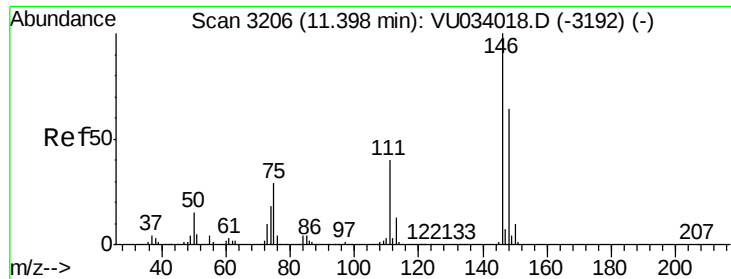
Ion Ratio Lower Upper

119 100

134 27.0 13.1 39.1

91 22.9 11.2 33.6





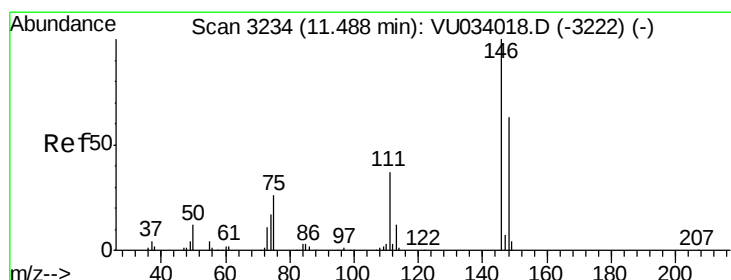
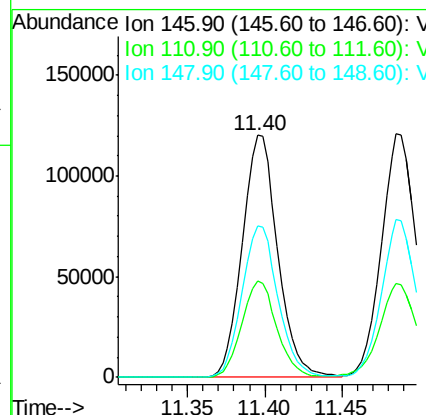
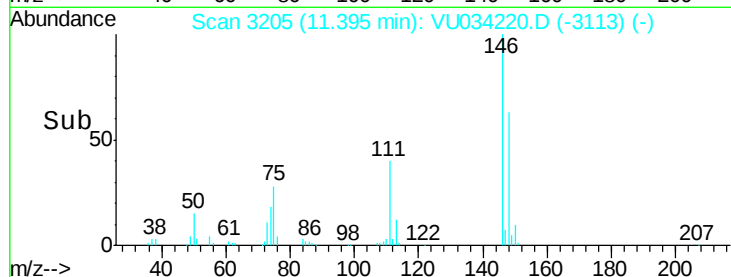
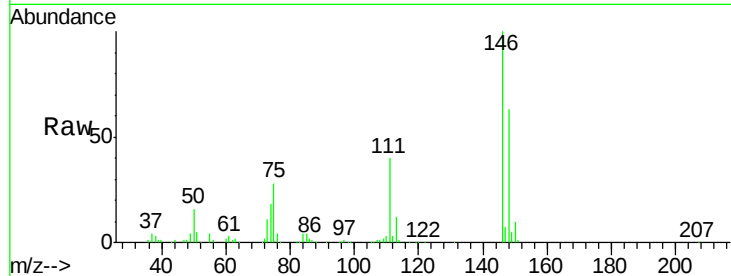
#87  
 1,3-Dichlorobenzene  
 Concen: 19.069 ug/l  
 RT: 11.40 min Scan# 3205  
 Delta R.T. -0.00 min  
 Lab File: VU034220.D  
 Acq: 03 Sep 2019 12:18

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0904MBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 191721 |       |       |
| 111     | 39.3  | 19.9   | 59.6  |       |
| 148     | 63.8  | 31.9   | 95.5  |       |

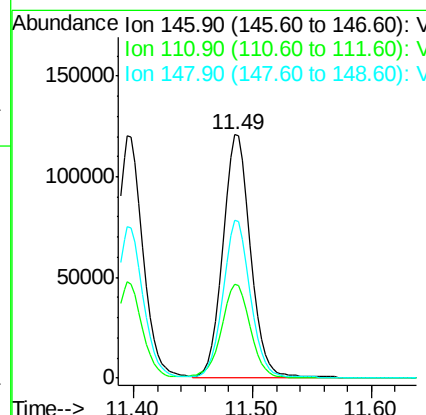
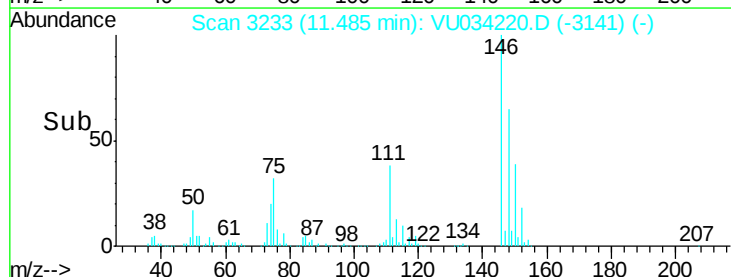
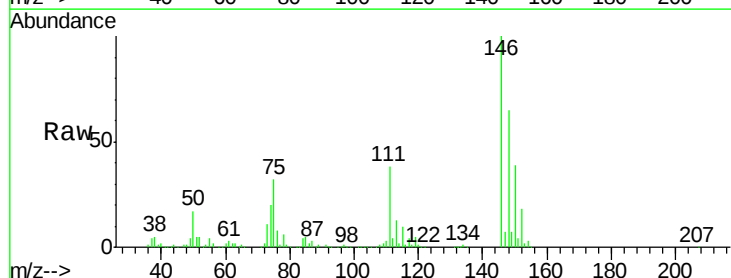
Manual Integrations  
 APPROVED

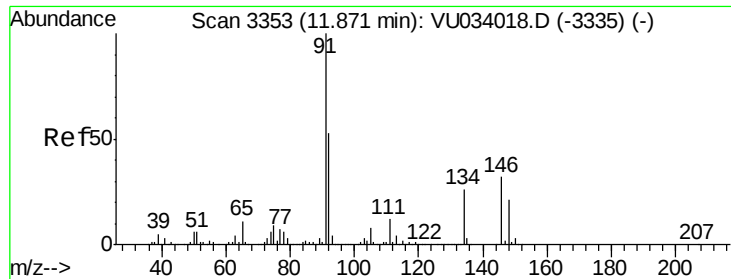
MMDadoda  
 9/4/2019 4:57:39 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 19.039 ug/l  
 RT: 11.49 min Scan# 3233  
 Delta R.T. -0.00 min  
 Lab File: VU034220.D  
 Acq: 03 Sep 2019 12:18

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 193590 |       |       |
| 111     | 40.4  | 19.2   | 57.6  |       |
| 148     | 64.1  | 31.9   | 95.9  |       |





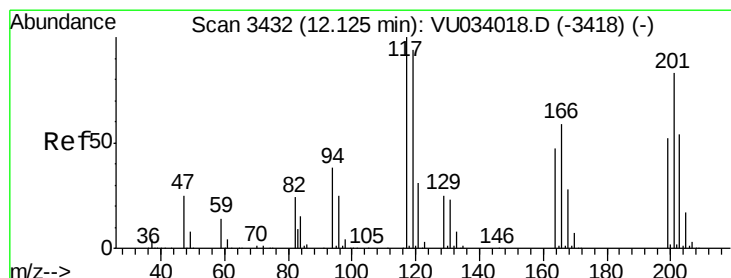
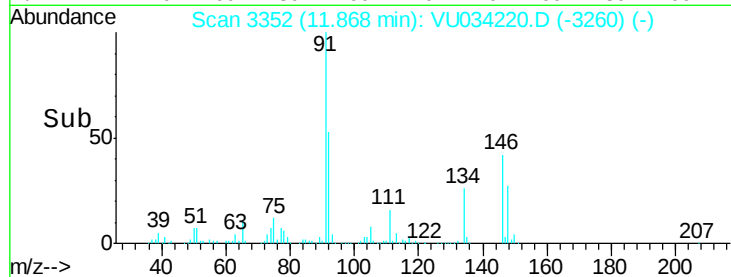
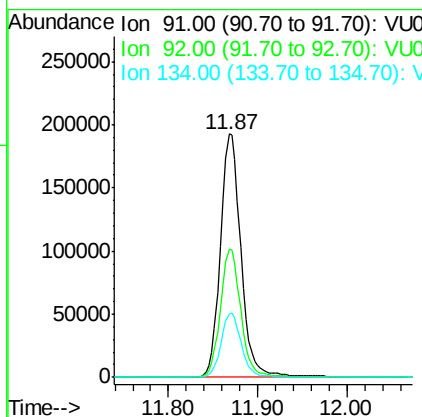
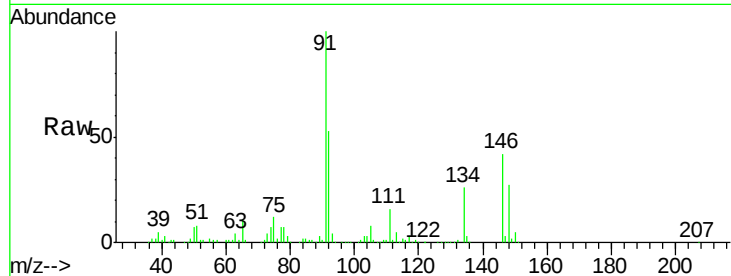
#89  
n-Butylbenzene  
Concen: 18.286 ug/l  
RT: 11.87 min Scan# 3352  
Delta R.T. -0.00 min  
Lab File: VU034220.D  
Acq: 03 Sep 2019 12:18

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0904MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.2  | 26.3  | 78.9  |
| 134     | 26.0  | 12.9  | 38.7  |

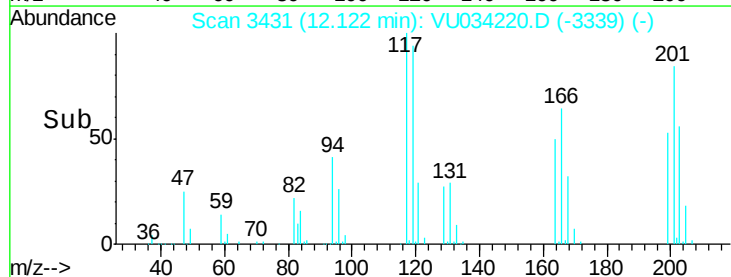
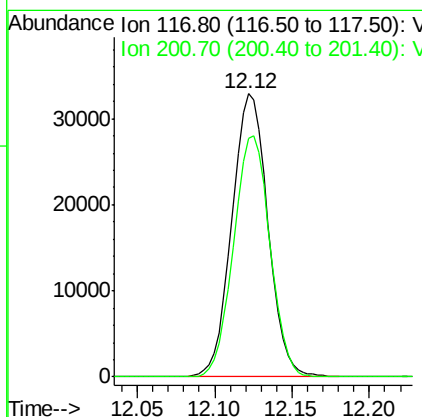
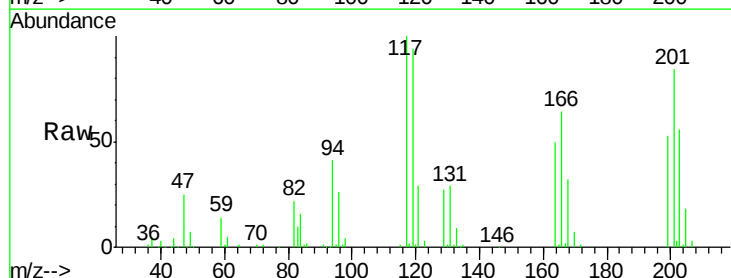
Manual Integrations  
APPROVED

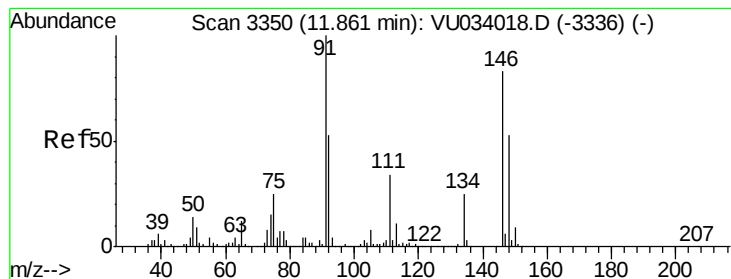
MMDadoda  
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#90  
Hexachloroethane  
Concen: 15.934 ug/l  
RT: 12.12 min Scan# 3431  
Delta R.T. -0.00 min  
Lab File: VU034220.D  
Acq: 03 Sep 2019 12:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 86.7  | 42.5  | 127.6 |





#91

1,2-Dichlorobenzene

Concen: 19.450 ug/l

RT: 11.86 min Scan# 3349

Delta R.T. -0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

Instrument :

MSVOA\_U

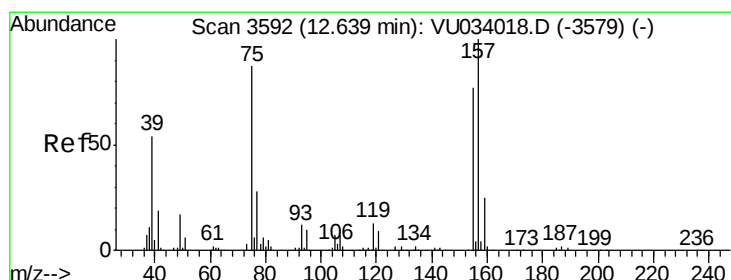
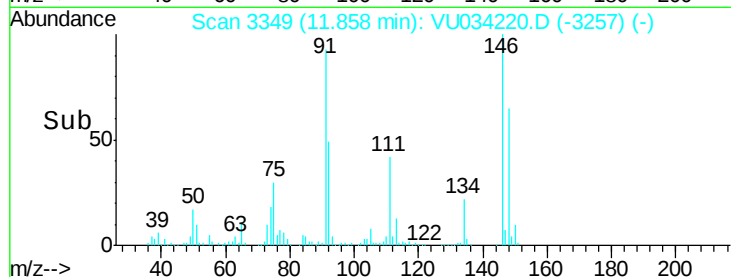
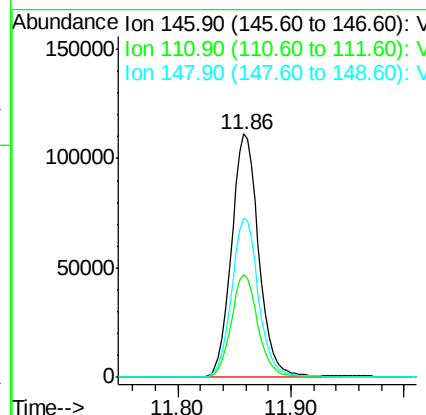
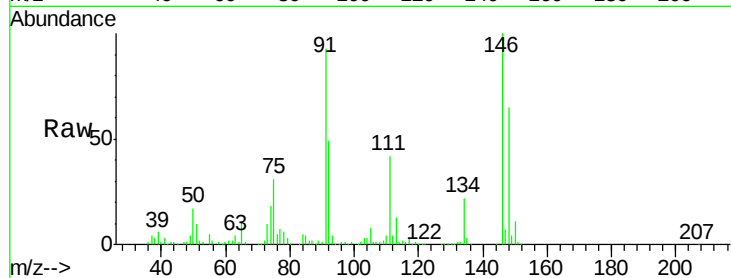
ClientSampleId :

VU0904MBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 187330 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 41.1  | 20.4  | 61.2   |
| 148       | 64.5  | 32.3  | 96.8   |

Manual Integrations  
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#92

1,2-Dibromo-3-Chloropropane

Concen: 17.778 ug/l

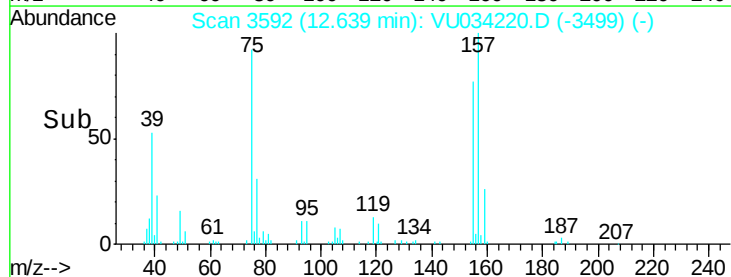
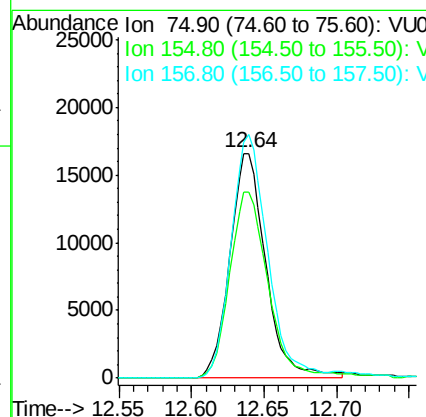
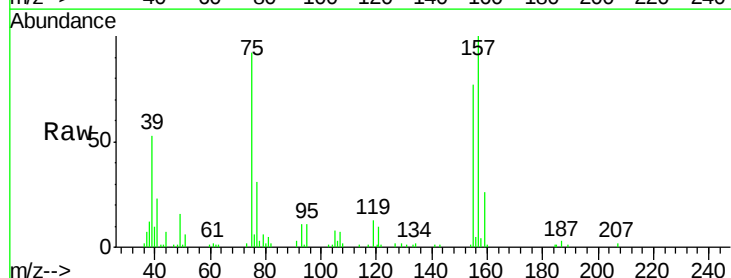
RT: 12.64 min Scan# 3592

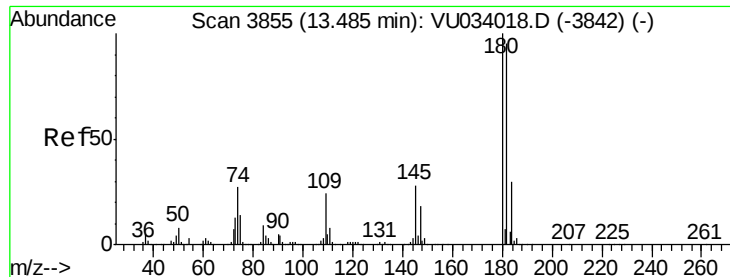
Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 28619 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 88.8  | 43.5  | 130.7 |
| 157       | 109.6 | 56.9  | 170.6 |





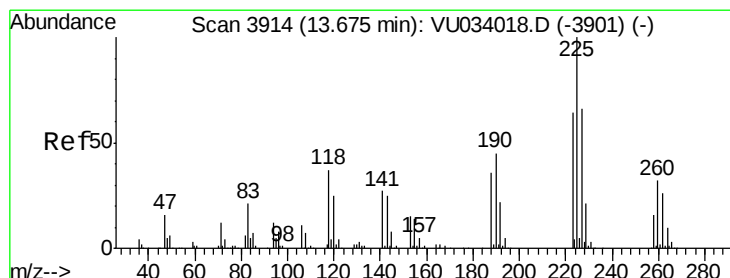
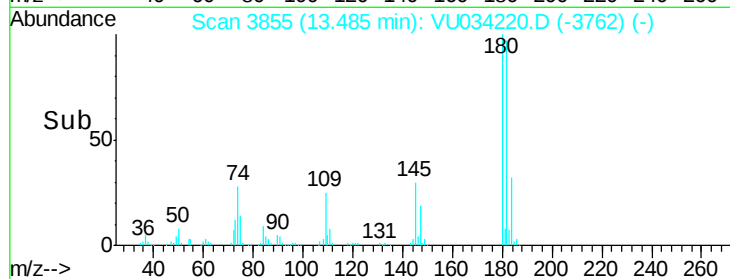
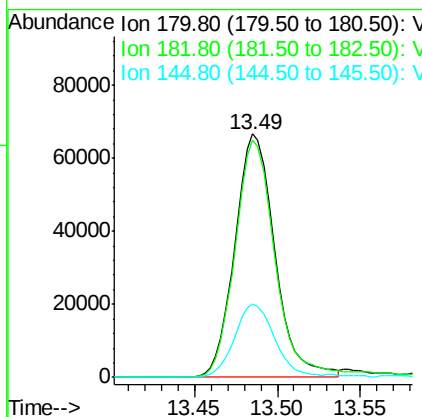
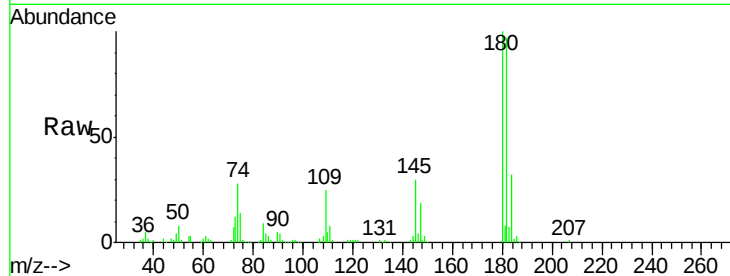
#93  
 1,2,4-Trichlorobenzene  
 Concen: 17.163 ug/l  
 RT: 13.49 min Scan# 3855  
 Delta R.T. 0.00 min  
 Lab File: VU034220.D  
 Acq: 03 Sep 2019 12:18

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0904MBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 112450 |       |       |
| 182     | 97.1  | 47.4   | 142.2 |       |
| 145     | 30.0  | 14.1   | 42.3  |       |

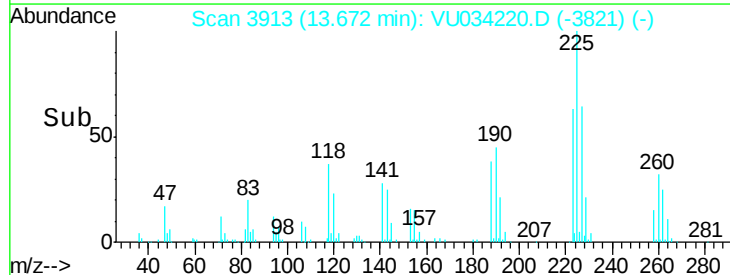
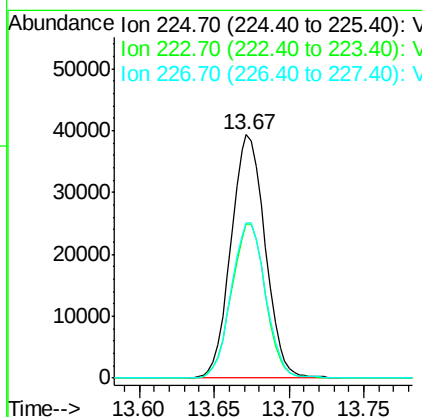
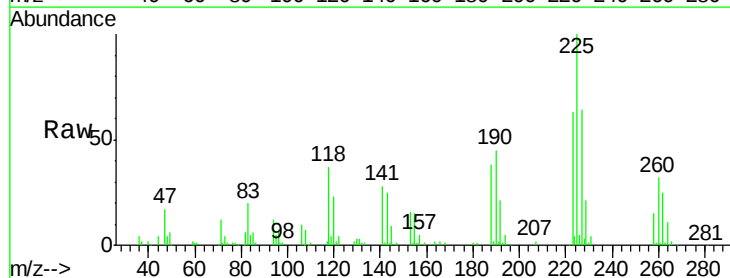
Manual Integrations  
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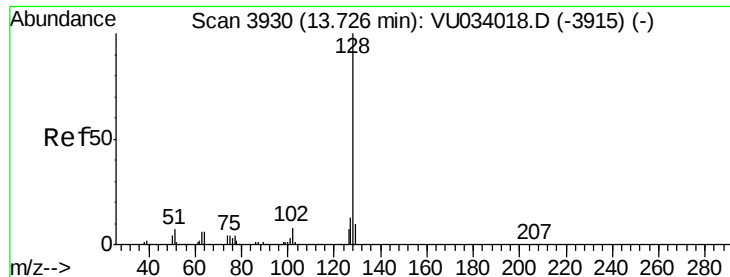
MMDadoda  
 9/4/2019 4:57:39 PM



#94  
 Hexachlorobutadiene  
 Concen: 16.559 ug/l  
 RT: 13.67 min Scan# 3913  
 Delta R.T. -0.00 min  
 Lab File: VU034220.D  
 Acq: 03 Sep 2019 12:18

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 62388 |       |       |
| 223     | 63.1  | 31.8  | 95.3  |       |
| 227     | 64.4  | 32.6  | 97.8  |       |





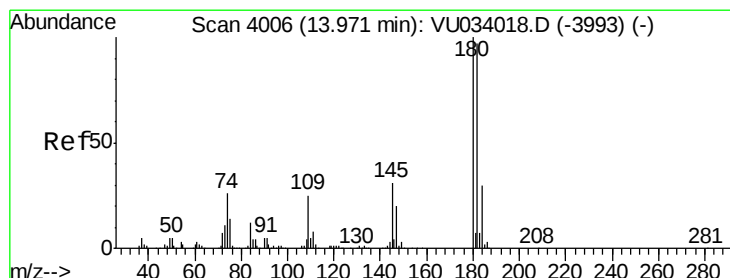
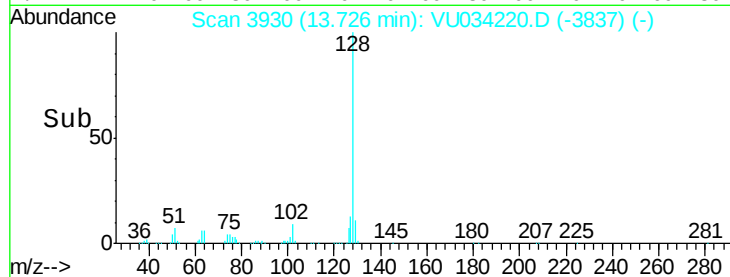
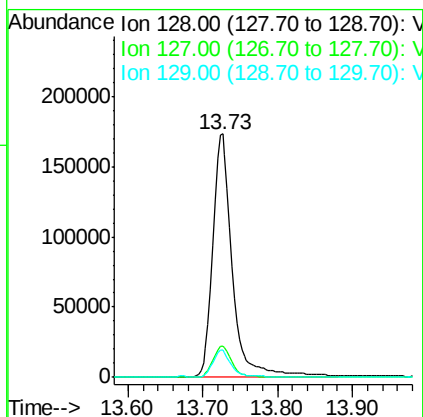
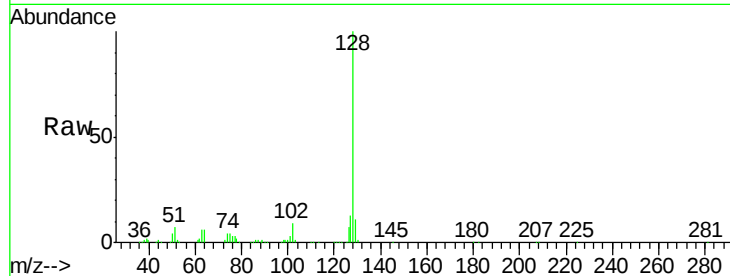
#95  
Naphthalene  
Concen: 17.485 ug/l  
RT: 13.73 min Scan# 3930  
Delta R.T. 0.00 min  
Lab File: VU034220.D  
Acq: 03 Sep 2019 12:18

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0904MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.3  | 10.2  | 15.4  |
| 129     | 10.3  | 8.4   | 12.6  |

Manual Integrations  
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#96  
1,2,3-Trichlorobenzene  
Concen: 19.409 ug/l  
RT: 13.97 min Scan# 4006  
Delta R.T. 0.00 min  
Lab File: VU034220.D  
Acq: 03 Sep 2019 12:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.6  | 48.2  | 144.6 |
| 145     | 30.2  | 15.5  | 46.5  |

