

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U091219\  
 Data File : VU034519.D  
 Acq On : 12 Sep 2019 14:38  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 9/16/2019 11:16:44 AM

Quant Time: Sep 13 07:45:49 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U090619W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 06 05:10:13 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.96  | 168  | 243089   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.86  | 114  | 346712   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.07  | 117  | 343944   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.46 | 152  | 233791   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 5.29   | 65  | 190162   | 51.70 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 103.40% |      |
| 35) Dibromofluoromethane  | 4.86   | 113 | 171494   | 53.16 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.32% |      |
| 50) Toluene-d8            | 7.54   | 98  | 637319   | 52.58 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 105.16% |      |
| 62) 4-Bromofluorobenzene  | 10.29  | 95  | 245346   | 52.43 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.86% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 120808  | 47.518  | ug/l | 98     |
| 3) Chloromethane              | 1.32 | 50  | 142467  | 51.872  | ug/l | 98     |
| 4) Vinyl Chloride             | 1.40 | 62  | 153448  | 48.436  | ug/l | 99     |
| 5) Bromomethane               | 1.61 | 94  | 92759   | 58.405  | ug/l | 98     |
| 6) Chloroethane               | 1.69 | 64  | 100958  | 54.927  | ug/l | 99     |
| 7) Trichlorofluoromethane     | 1.88 | 101 | 219160  | 51.593  | ug/l | 97     |
| 8) Diethyl Ether              | 2.09 | 74  | 100363  | 53.713  | ug/l | 97     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.28 | 101 | 147121  | 52.292  | ug/l | 99     |
| 10) Methyl Iodide             | 2.40 | 142 | 137371  | 53.109  | ug/l | 100    |
| 11) Tert butyl alcohol        | 2.81 | 59  | 213302  | 274.509 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 2.27 | 96  | 136679  | 51.678  | ug/l | 97     |
| 13) Acrolein                  | 2.18 | 56  | 110187  | 168.718 | ug/l | 100    |
| 14) Allyl chloride            | 2.58 | 41  | 256586m | 50.745  | ug/l |        |
| 15) Acrylonitrile             | 2.92 | 53  | 552884  | 285.730 | ug/l | 98     |
| 16) Acetone                   | 2.31 | 43  | 500461  | 262.937 | ug/l | 98     |
| 17) Carbon Disulfide          | 2.47 | 76  | 259694  | 43.688  | ug/l | 99     |
| 18) Methyl Acetate            | 2.60 | 43  | 246331  | 53.188  | ug/l | 97     |
| 19) Methyl tert-butyl Ether   | 2.98 | 73  | 550554  | 57.110  | ug/l | 100    |
| 20) Methylene Chloride        | 2.69 | 84  | 176336  | 56.615  | ug/l | 98     |
| 21) trans-1,2-Dichloroethene  | 2.97 | 96  | 143151  | 51.362  | ug/l | 99     |
| 22) Diisopropyl ether         | 3.55 | 45  | 561091  | 56.902  | ug/l | 98     |
| 23) Vinyl Acetate             | 3.50 | 43  | 2303660 | 286.805 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 3.43 | 63  | 314901  | 53.475  | ug/l | 100    |
| 25) 2-Butanone                | 4.24 | 43  | 738330  | 290.598 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 4.20 | 77  | 261097  | 55.128  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 4.20 | 96  | 186974  | 55.235  | ug/l | 98     |
| 28) Bromochloromethane        | 4.52 | 49  | 149407  | 55.161  | ug/l | 98     |
| 29) Tetrahydrofuran           | 4.61 | 42  | 446275  | 288.656 | ug/l | 99     |
| 30) Chloroform                | 4.65 | 83  | 320198  | 53.494  | ug/l | 99     |
| 31) Cyclohexane               | 4.97 | 56  | 212052  | 49.222  | ug/l | 100    |
| 32) 1,1,1-Trichloroethane     | 4.89 | 97  | 261529  | 54.648  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 5.12 | 75  | 200174  | 53.236  | ug/l | 100    |
| 37) Ethyl Acetate             | 4.36 | 43  | 258226  | 58.085  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 5.11 | 117 | 221679  | 55.216  | ug/l | 99     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091219\  
 Data File : VU034519.D  
 Acq On : 12 Sep 2019 14:38  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 9/16/2019 11:16:44 AM

Quant Time: Sep 13 07:45:49 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U090619W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 06 05:10:13 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 6.40  | 83   | 210057   | 52.259   | ug/l   | 99       |
| 40) Benzene                    | 5.37  | 78   | 662339   | 54.590   | ug/l   | 99       |
| 41) Methacrylonitrile          | 4.52  | 41   | 142649   | 60.239   | ug/l   | 99       |
| 42) 1,2-Dichloroethane         | 5.38  | 62   | 233434   | 55.415   | ug/l   | 99       |
| 43) Isopropyl Acetate          | 5.53  | 43   | 400067   | 57.686   | ug/l   | 99       |
| 44) Trichloroethene            | 6.16  | 130  | 182168   | 54.258   | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 6.41  | 63   | 199196   | 56.159   | ug/l   | 99       |
| 46) Dibromomethane             | 6.54  | 93   | 125296   | 56.276   | ug/l   | 99       |
| 47) Bromodichloromethane       | 6.73  | 83   | 261764   | 57.117   | ug/l   | 98       |
| 48) Methyl methacrylate        | 6.60  | 41   | 188375   | 57.188   | ug/l   | 98       |
| 49) 1,4-Dioxane                | 6.59  | 88   | 74925    | 1041.667 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone       | 7.44  | 43   | 1412362  | 294.209  | ug/l   | 100      |
| 52) Toluene                    | 7.62  | 92   | 424744   | 55.806   | ug/l   | 97       |
| 53) t-1,3-Dichloropropene      | 7.86  | 75   | 273777   | 57.627   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 7.25  | 75   | 300972   | 57.722   | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 8.04  | 97   | 198213   | 57.353   | ug/l   | 99       |
| 56) Ethyl methacrylate         | 8.00  | 69   | 288398   | 54.623   | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 8.22  | 76   | 320300   | 56.916   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 7.11  | 63   | 452948   | 254.647  | ug/l   | 100      |
| 59) 2-Hexanone                 | 8.34  | 43   | 1077722  | 300.514  | ug/l   | 100      |
| 60) Dibromochloromethane       | 8.45  | 129  | 219583   | 59.236   | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 8.57  | 107  | 194604   | 57.530   | ug/l   | 99       |
| 64) Tetrachloroethene          | 8.21  | 164  | 161023   | 53.964   | ug/l   | 98       |
| 65) Chlorobenzene              | 9.10  | 112  | 497387   | 57.001   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 9.19  | 131  | 192160   | 57.703   | ug/l   | 99       |
| 67) Ethyl Benzene              | 9.23  | 91   | 831630   | 58.288   | ug/l   | 99       |
| 68) m/p-Xylenes                | 9.35  | 106  | 651461   | 121.256  | ug/l   | 99       |
| 69) o-Xylene                   | 9.76  | 106  | 316457   | 60.230   | ug/l   | 99       |
| 70) Styrene                    | 9.77  | 104  | 574798   | 62.397   | ug/l   | 99       |
| 71) Bromoform                  | 9.94  | 173  | 174504   | 60.463   | ug/l # | 99       |
| 73) Isopropylbenzene           | 10.14 | 105  | 880396   | 57.865   | ug/l   | 99       |
| 74) N-amyl acetate             | 9.99  | 43   | 365725   | 59.717   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 10.43 | 83   | 344397   | 55.922   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 10.47 | 75   | 282947m  | 55.445   | ug/l   |          |
| 77) Bromobenzene               | 10.43 | 156  | 239532   | 56.305   | ug/l   | 99       |
| 78) n-propylbenzene            | 10.57 | 91   | 1020618  | 58.084   | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 10.64 | 91   | 613820   | 57.252   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 10.75 | 105  | 767896   | 60.348   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 10.49 | 75   | 92544m   | 60.985   | ug/l   |          |
| 82) 4-Chlorotoluene            | 10.75 | 91   | 707133   | 57.313   | ug/l   | 99       |
| 83) tert-Butylbenzene          | 11.08 | 119  | 741552   | 58.255   | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 11.13 | 105  | 768564   | 60.003   | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.30 | 105  | 888631   | 59.132   | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 11.45 | 119  | 829030   | 59.769   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 11.40 | 146  | 435517   | 56.102   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 11.49 | 146  | 444099   | 54.847   | ug/l   | 100      |
| 89) n-Butylbenzene             | 11.86 | 91   | 722770   | 59.962   | ug/l   | 100      |
| 90) Hexachloroethane           | 12.12 | 117  | 125245   | 56.439   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 11.85 | 146  | 435956   | 57.142   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.63 | 75   | 69403    | 61.328   | ug/l   | 99       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091219\  
Data File : VU034519.D  
Acq On : 12 Sep 2019 14:38  
Operator : JC/SP  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

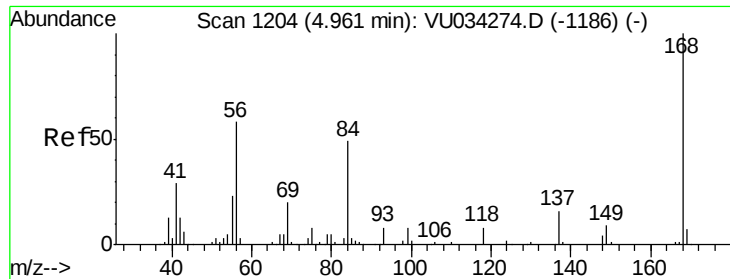
MMDadoda  
9/16/2019 11:16:44 AM

Quant Time: Sep 13 07:45:49 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U090619W.M  
Quant Title : SW846 8260  
QLast Update : Fri Sep 06 05:10:13 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.48 | 180  | 294408   | 52.986 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.67 | 225  | 139297   | 52.197 | ug/l  | 98       |
| 95) Naphthalene            | 13.72 | 128  | 820674   | 52.457 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 13.96 | 180  | 294523   | 54.839 | 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: VU034519.D

Acq: 12 Sep 2019 14:38

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 243089

Ion Ratio Lower Upper

168 100

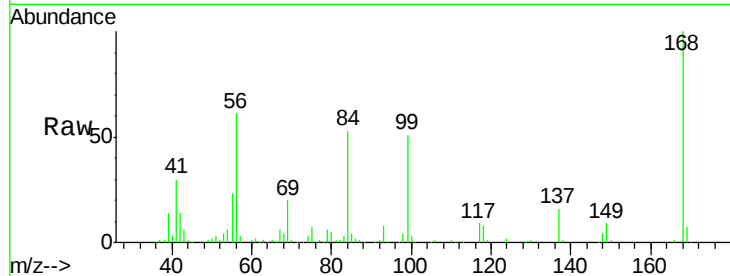
99 50.8 41.6 62.4

Manual Integrations

APPROVED

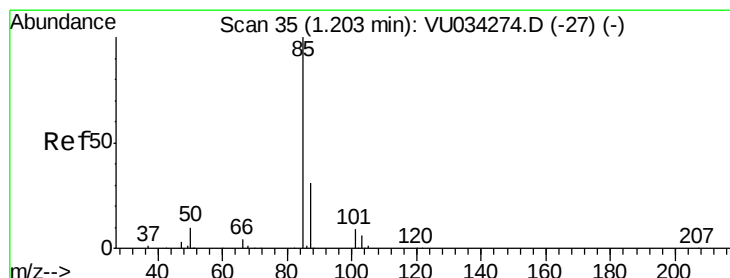
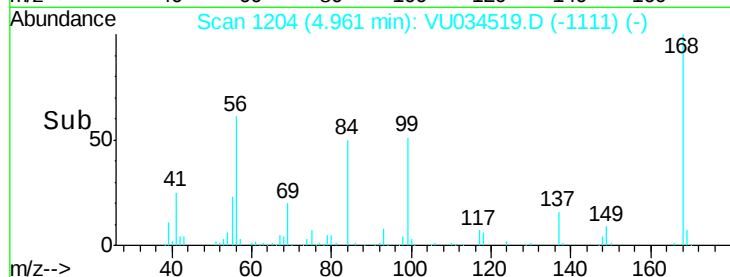
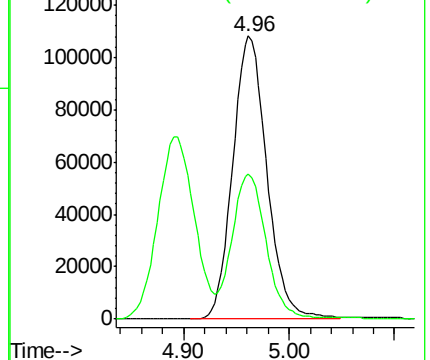
MMDadoda

9/16/2019 11:16:44 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#2

Dichlorodifluoromethane

Concen: 47.518 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034519.D

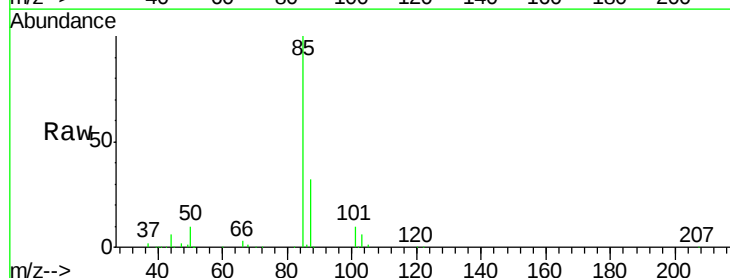
Acq: 12 Sep 2019 14:38

Tgt Ion: 85 Resp: 120808

Ion Ratio Lower Upper

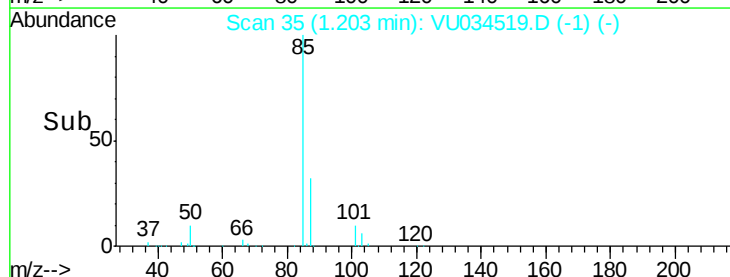
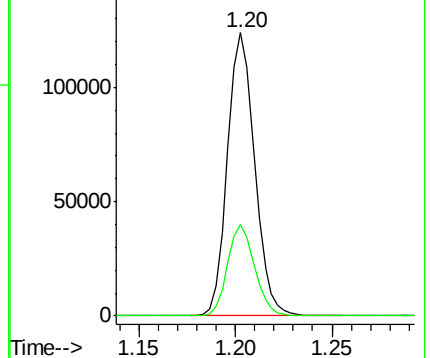
85 100

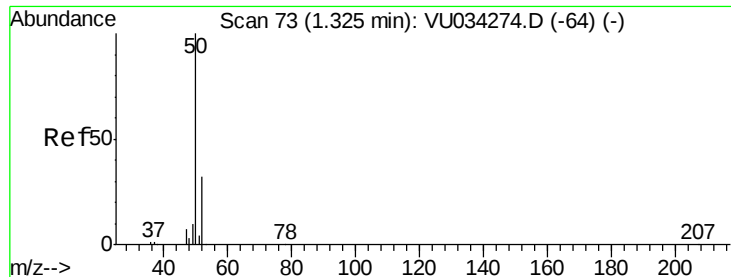
87 32.1 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0





#3

Chloromethane

Concen: 51.872 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 142467

Ion Ratio Lower Upper

50 100

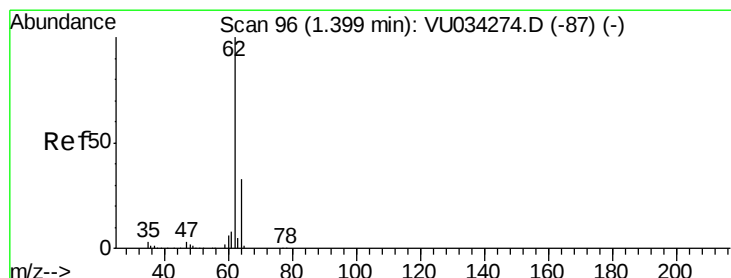
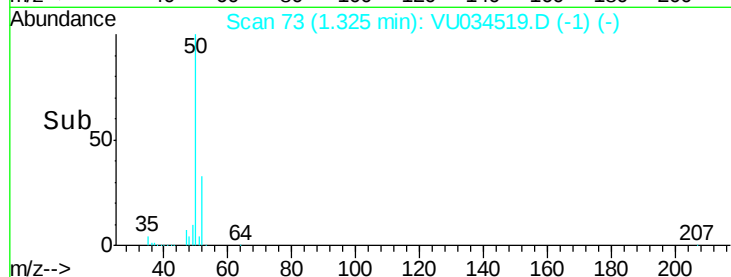
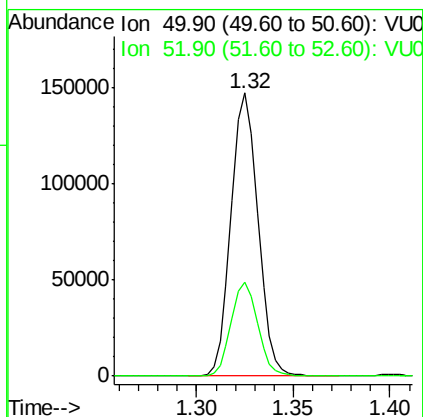
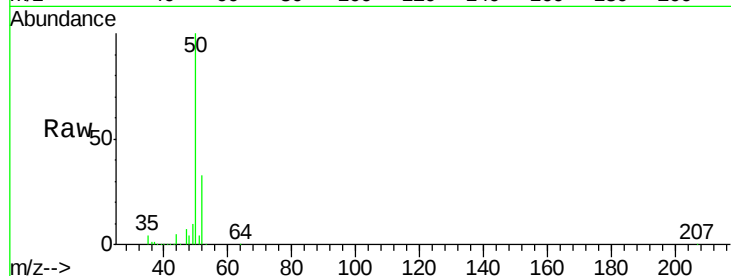
52 33.1 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

9/16/2019 11:16:44 AM



#4

Vinyl Chloride

Concen: 48.436 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034519.D

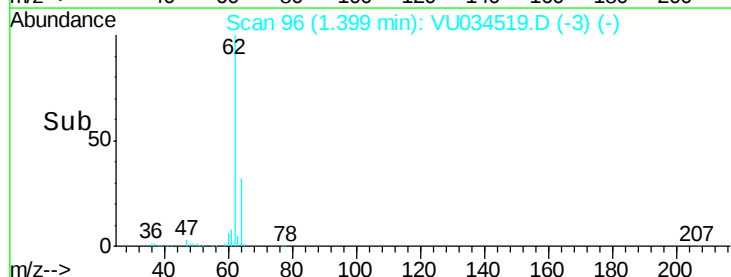
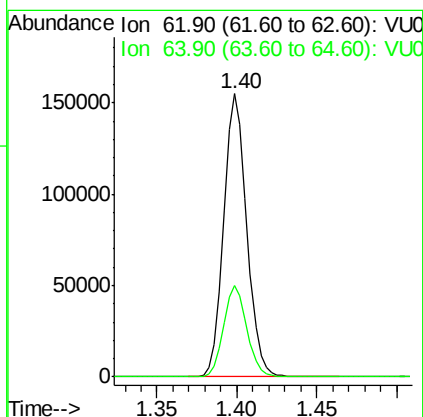
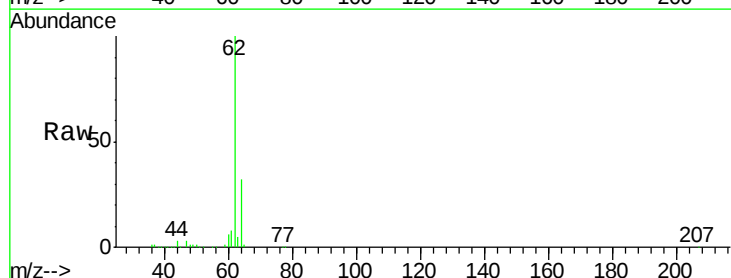
Acq: 12 Sep 2019 14:38

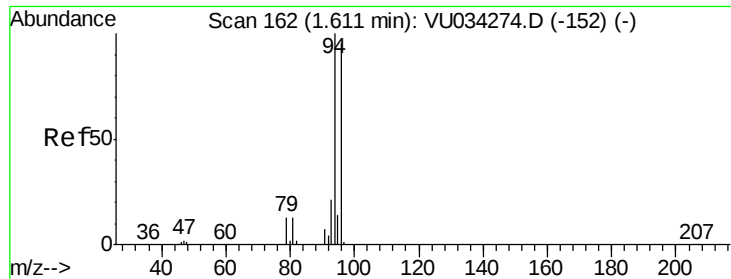
Tgt Ion: 62 Resp: 153448

Ion Ratio Lower Upper

62 100

64 32.4 26.2 39.4





#5

Bromomethane

Concen: 58.405 ug/l

RT: 1.61 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 92759

Ion Ratio Lower Upper

94 100

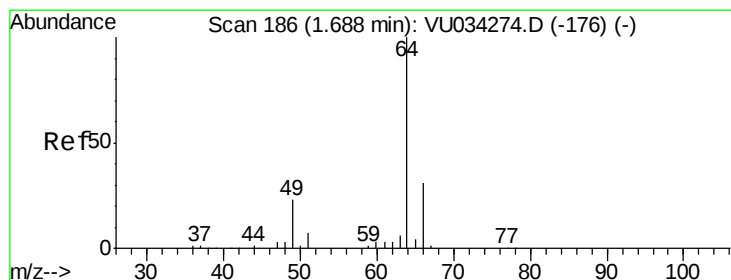
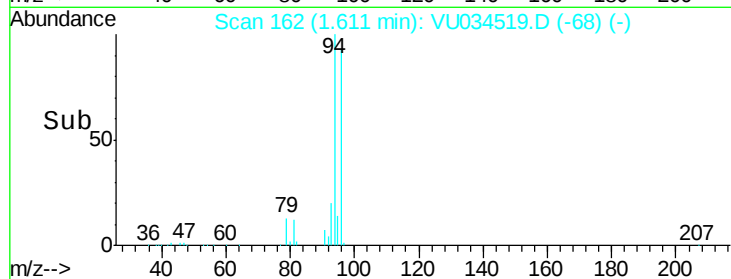
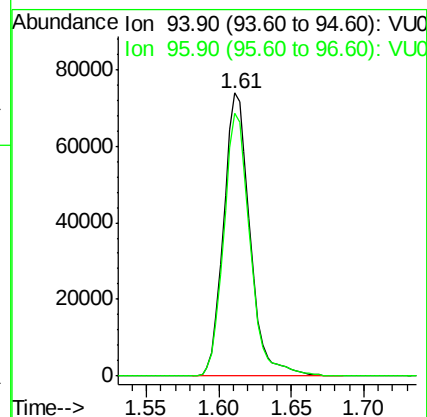
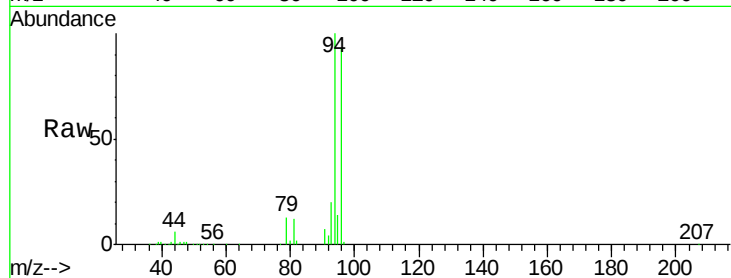
96 92.6 75.7 113.5

Manual Integrations

APPROVED

MMDadoda

9/16/2019 11:16:44 AM



#6

Chloroethane

Concen: 54.927 ug/l

RT: 1.69 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU034519.D

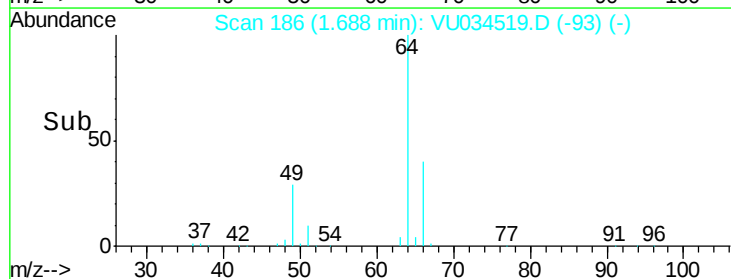
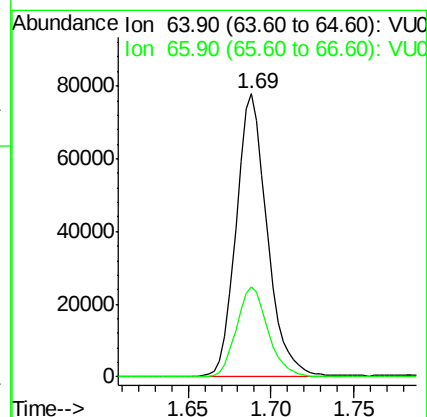
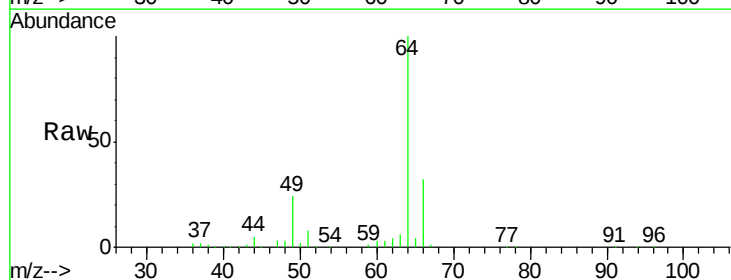
Acq: 12 Sep 2019 14:38

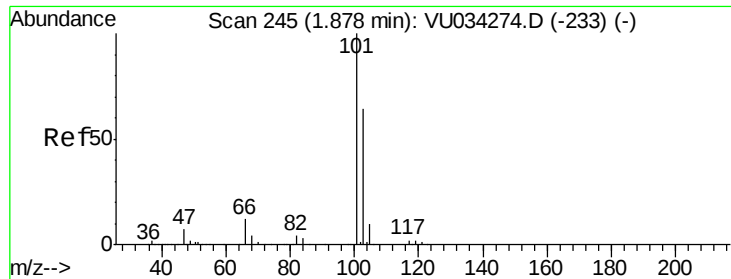
Tgt Ion: 64 Resp: 100958

Ion Ratio Lower Upper

64 100

66 31.9 25.0 37.6





#7

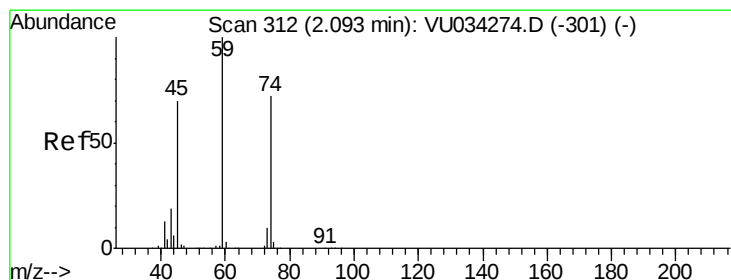
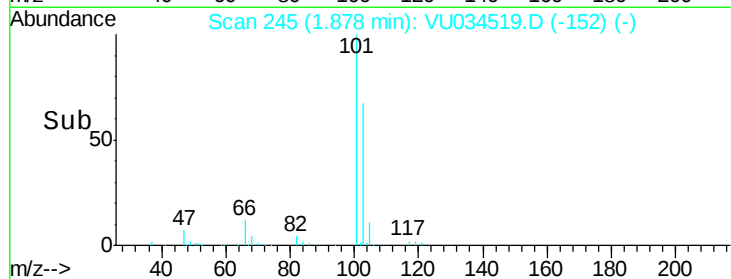
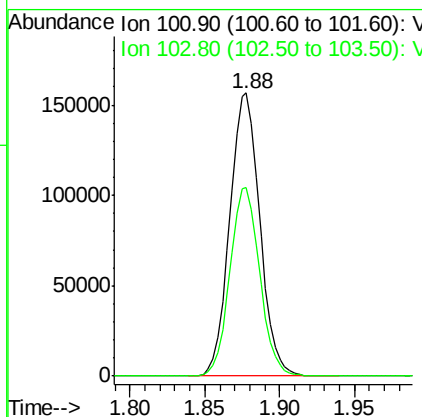
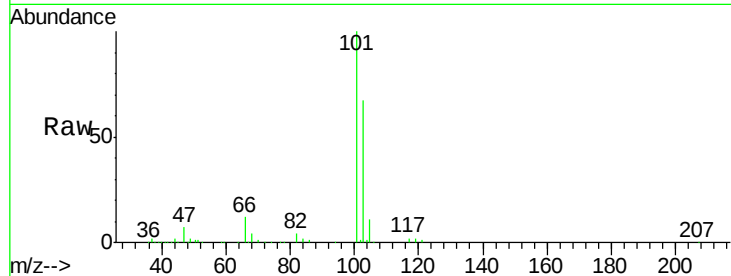
Trichlorofluoromethane  
 Concen: 51.593 ug/l  
 RT: 1.88 min Scan# 245  
 Delta R.T. 0.00 min  
 Lab File: VU034519.D  
 Acq: 12 Sep 2019 14:38

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 66.5  | 51.0  | 76.6  |

Manual Integrations  
 APPROVED

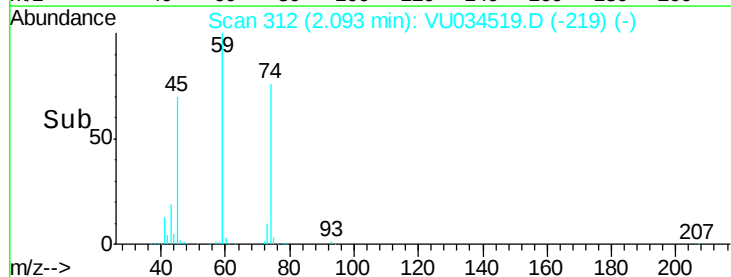
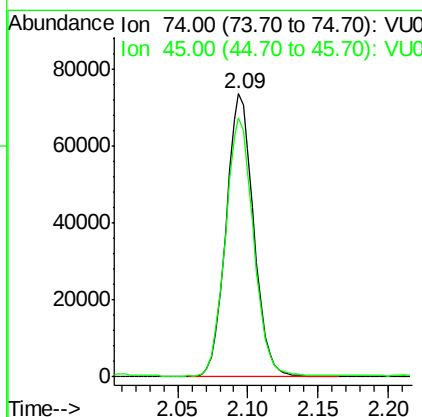
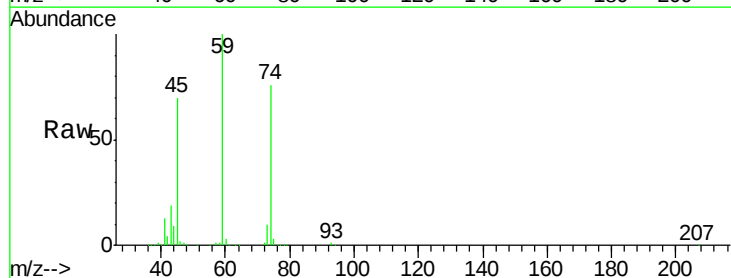
MMDadoda  
 9/16/2019 11:16:44 AM



#8

Diethyl Ether  
 Concen: 53.713 ug/l  
 RT: 2.09 min Scan# 312  
 Delta R.T. 0.00 min  
 Lab File: VU034519.D  
 Acq: 12 Sep 2019 14:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 93.7  | 48.2  | 144.6 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.292 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

Instrument :

MSVOA\_U

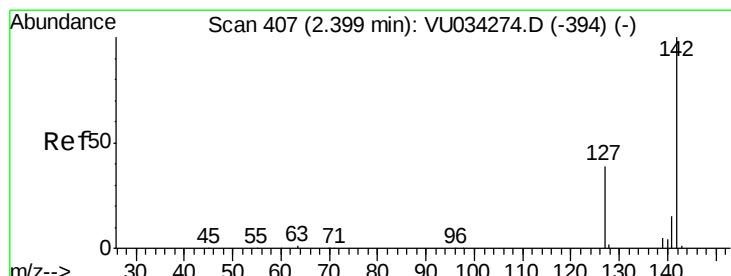
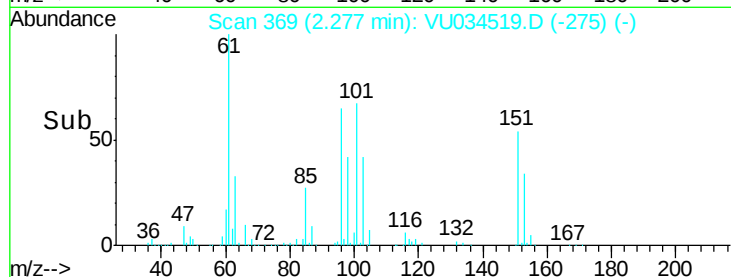
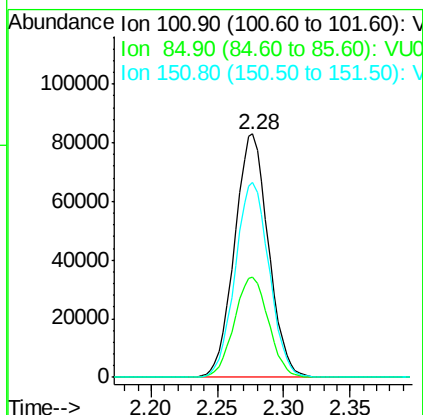
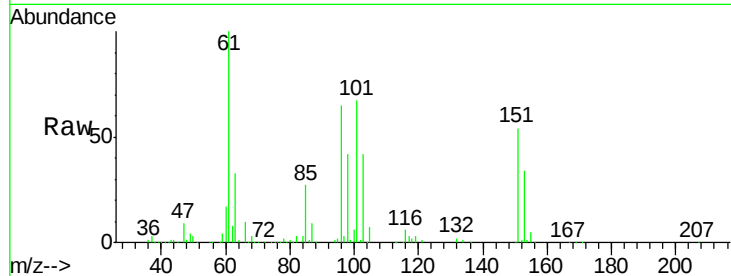
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 147121 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 41.8  | 34.4  | 51.6   |
| 151       | 80.7  | 64.4  | 96.6   |

Manual Integrations  
APPROVED

MMDadoda  
9/16/2019 11:16:44 AM



#10

Methyl Iodide

Concen: 53.109 ug/l

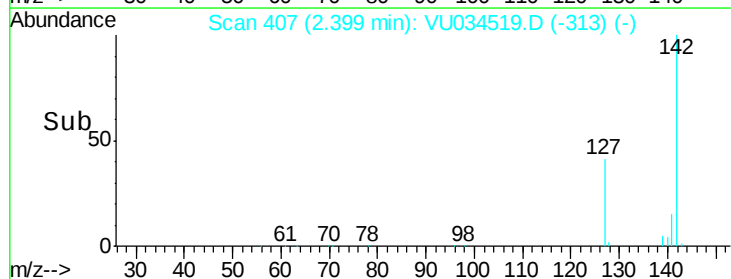
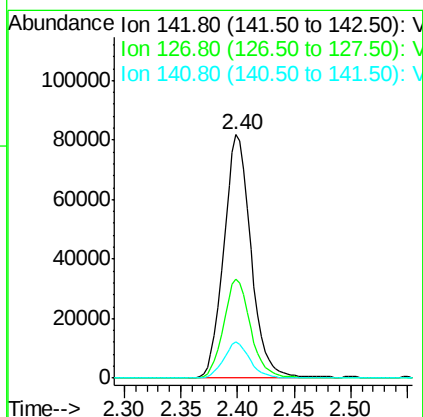
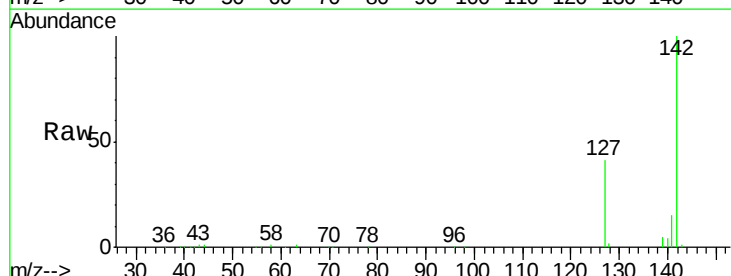
RT: 2.40 min Scan# 407

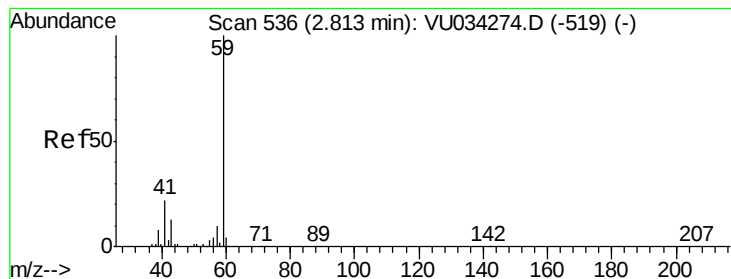
Delta R.T. 0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 137371 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 40.3  | 32.1  | 48.1   |
| 141       | 14.3  | 11.5  | 17.3   |





#11

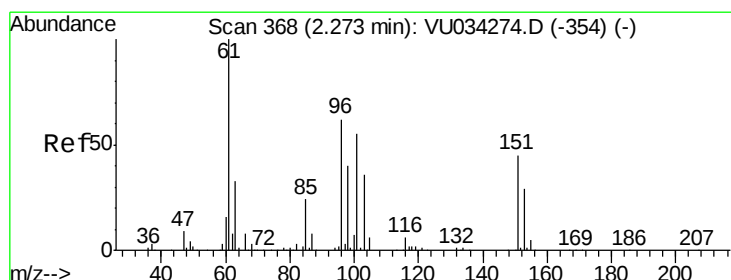
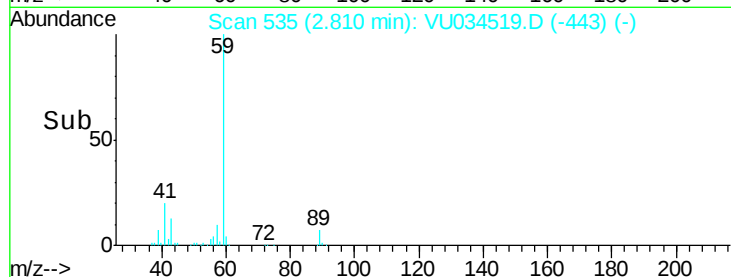
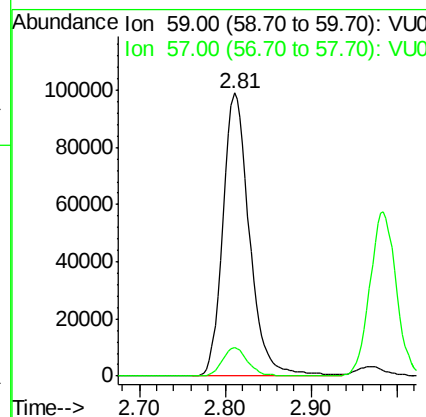
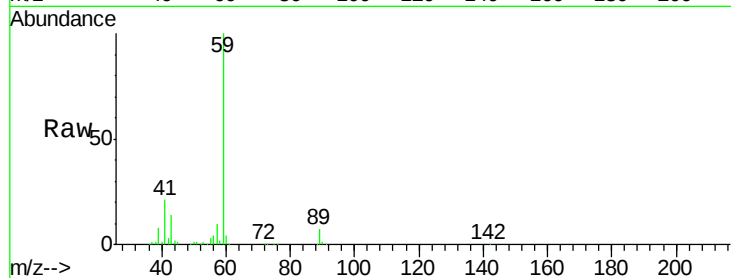
Tert butyl alcohol  
Concen: 274.509 ug/l  
RT: 2.81 min Scan# 535  
Delta R.T. -0.00 min  
Lab File: VU034519.D  
Acq: 12 Sep 2019 14:38

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 9.7   | 7.9   | 11.9  |

Manual Integrations  
APPROVED

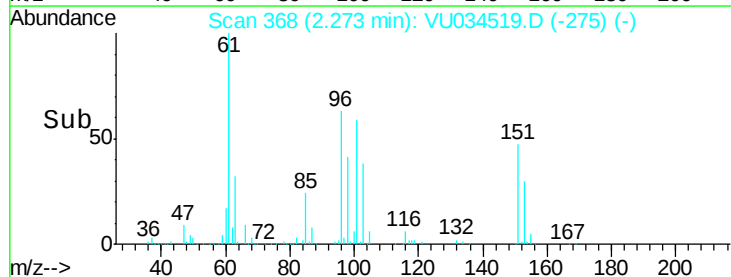
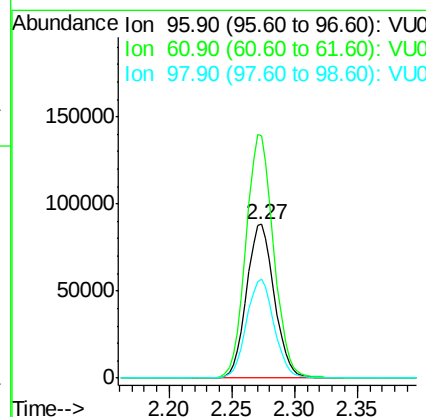
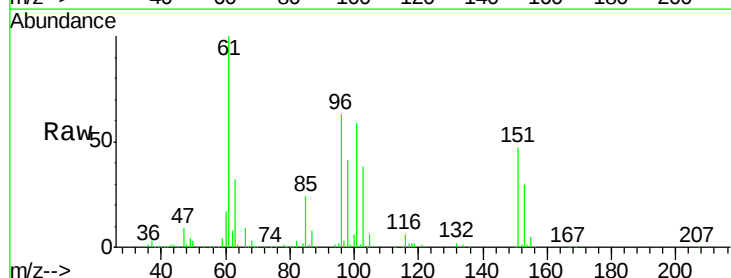
MMDadoda  
9/16/2019 11:16:44 AM

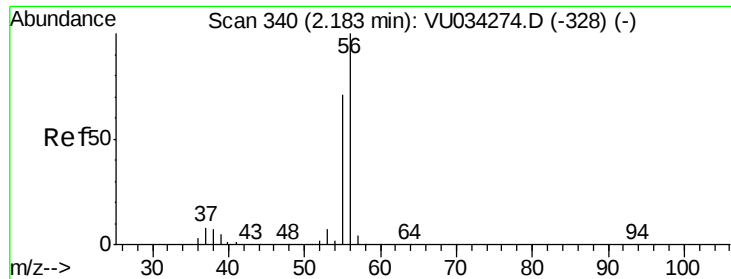


#12

1,1-Dichloroethene  
Concen: 51.678 ug/l  
RT: 2.27 min Scan# 368  
Delta R.T. 0.00 min  
Lab File: VU034519.D  
Acq: 12 Sep 2019 14:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 157.5 | 130.0 | 195.0 |
| 98      | 64.4  | 52.2  | 78.4  |





#13

Acrolein

Concen: 168.718 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 110187

Ion Ratio Lower Upper

56 100

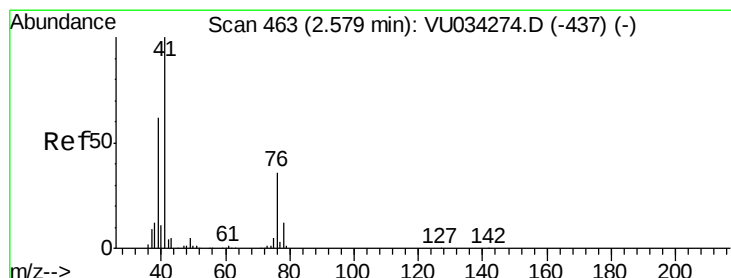
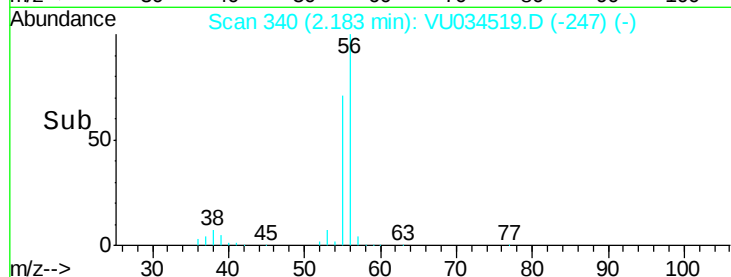
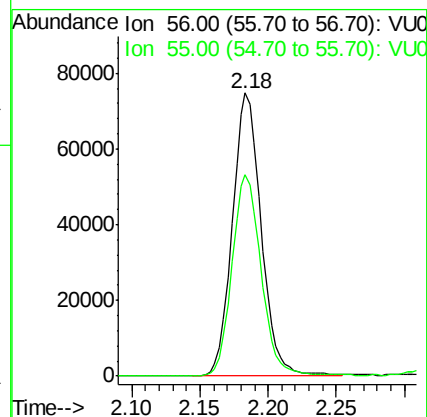
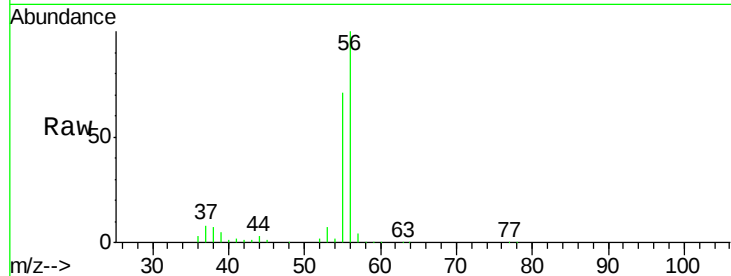
55 71.8 57.4 86.2

Manual Integrations

APPROVED

MMDadoda

9/16/2019 11:16:44 AM



#14

Allyl chloride

Concen: 50.745 ug/l m

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

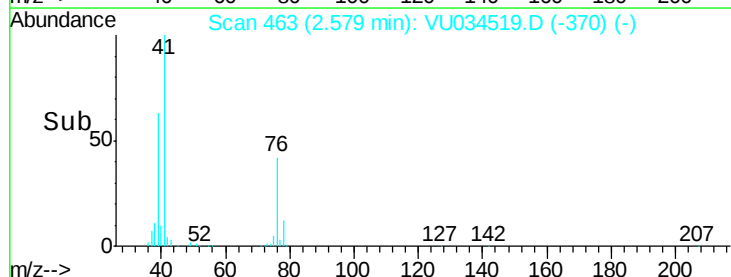
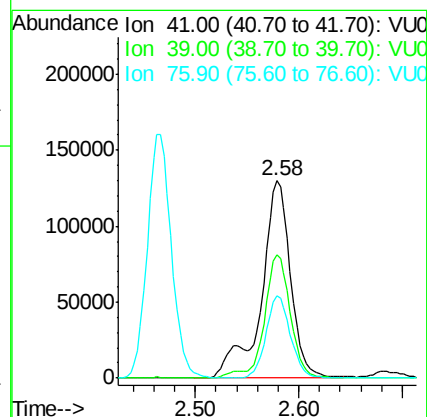
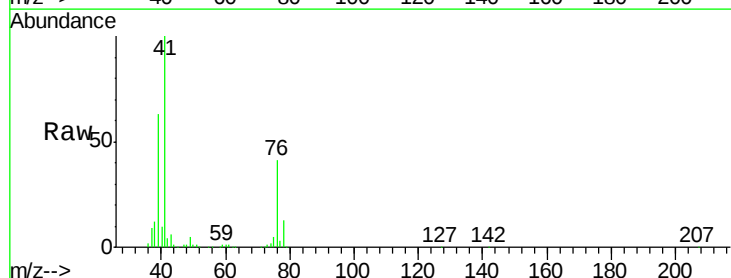
Tgt Ion: 41 Resp: 256586

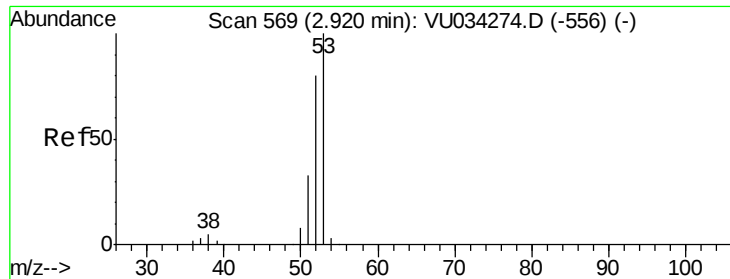
Ion Ratio Lower Upper

41 100

39 55.3 43.5 65.3

76 34.1 27.0 40.6





#15

Acrylonitrile

Concen: 285.730 ug/l

RT: 2.92 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

Instrument :

MSVOA\_U

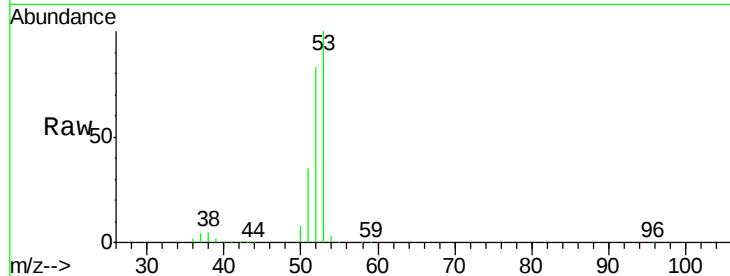
ClientSampleId :

VSTDCCC050EC

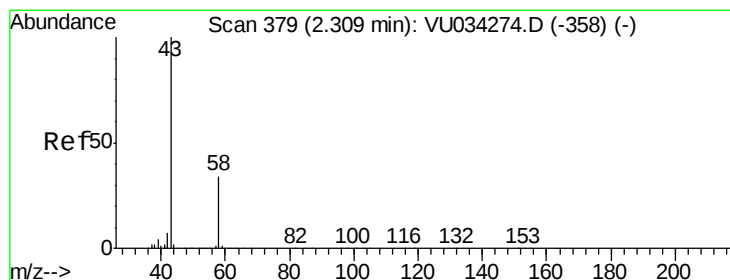
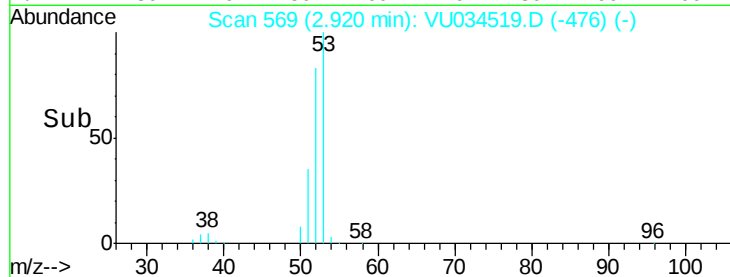
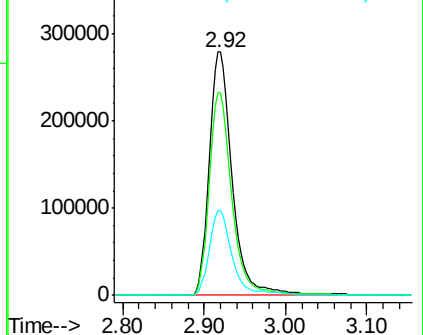
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 552884 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 81.7  | 64.1  | 96.1   |
| 51        | 35.1  | 27.4  | 41.0   |

Manual Integrations  
APPROVED

MMDadoda  
9/16/2019 11:16:44 AM



Abundance Ion 53.00 (52.70 to 53.70): VU034519.D (-476) (-)



#16

Acetone

Concen: 262.937 ug/l

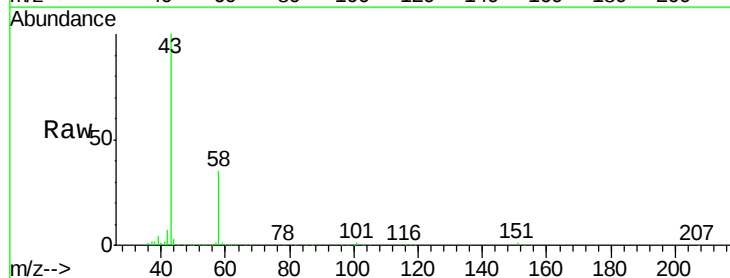
RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

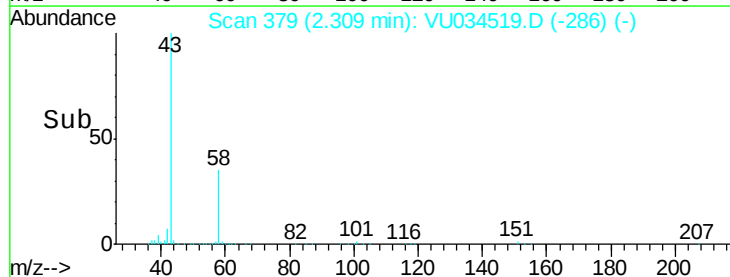
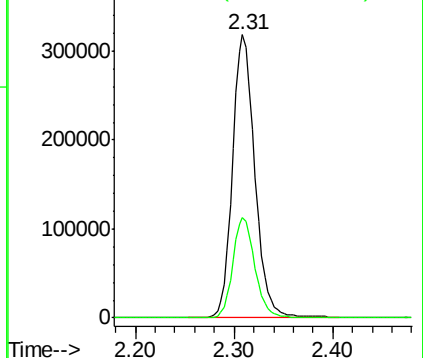
Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 500461 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 35.5  | 27.6  | 41.4   |



Abundance Ion 43.00 (42.70 to 43.70): VU034519.D (-286) (-)





#17

Carbon Disulfide

Concen: 43.688 ug/l

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 259694

Ion Ratio Lower Upper

76 100

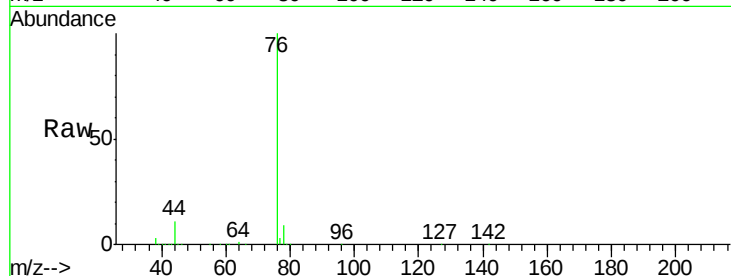
78 9.3 7.2 10.8

Manual Integrations

APPROVED

MMDadoda

9/16/2019 11:16:44 AM



Abundance Ion 75.90 (75.60 to 76.60): VU034519.D (-334) (-)

Ion 77.90 (77.60 to 78.60): VU034519.D (-334) (-)

2.47

150000

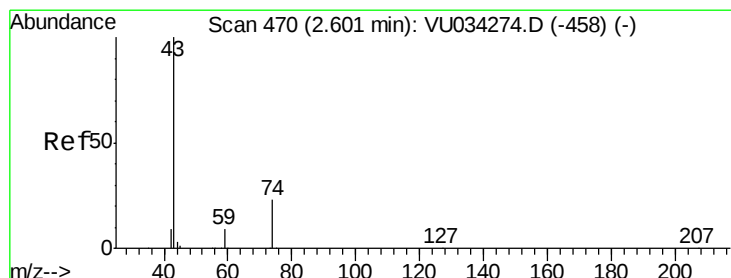
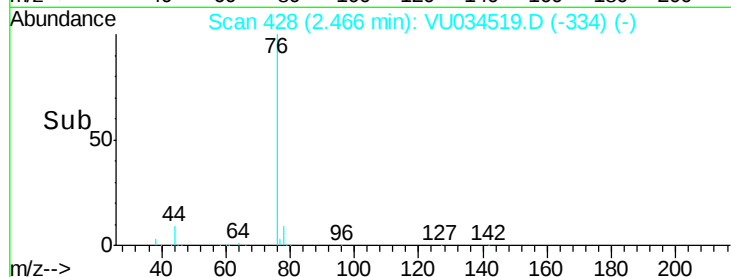
100000

50000

0

2.40 2.45 2.50 2.55

Time-->



#18

Methyl Acetate

Concen: 53.188 ug/l

RT: 2.60 min Scan# 470

Delta R.T. 0.00 min

Lab File: VU034519.D

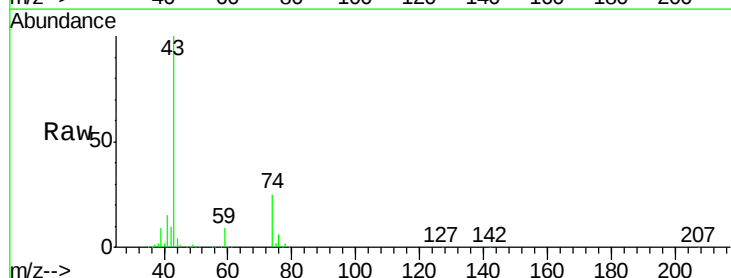
Acq: 12 Sep 2019 14:38

Tgt Ion: 43 Resp: 246331

Ion Ratio Lower Upper

43 100

74 25.2 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VU034519.D (-377) (-)

Ion 74.00 (73.70 to 74.70): VU034519.D (-377) (-)

2.60

150000

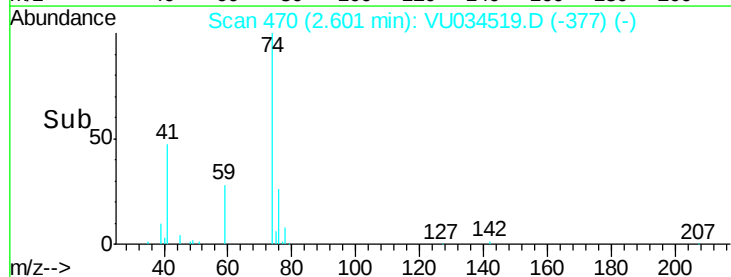
100000

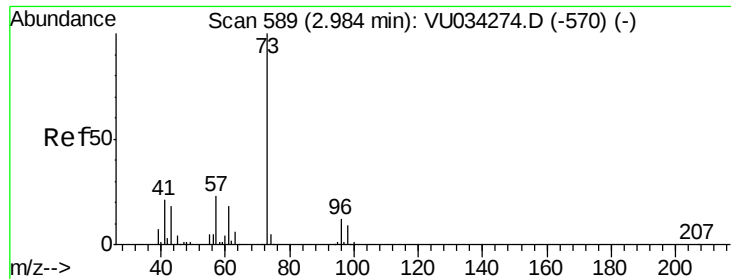
50000

0

2.50 2.55 2.60 2.65 2.70

Time-->





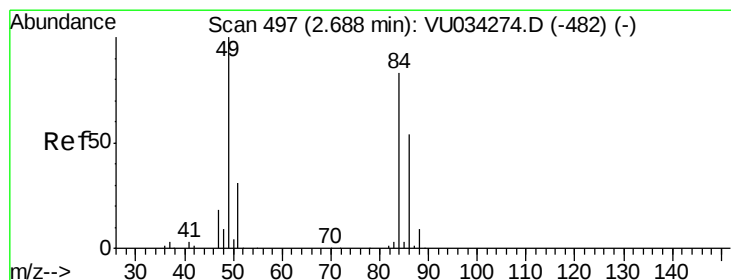
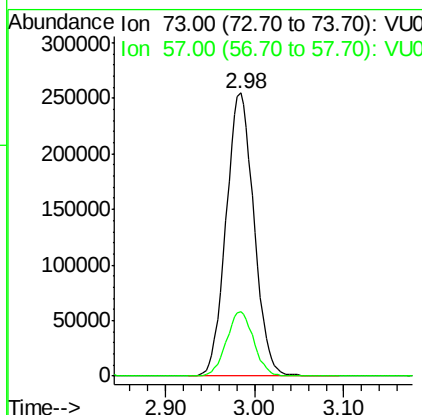
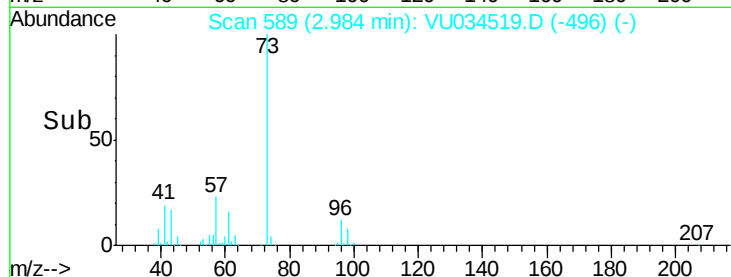
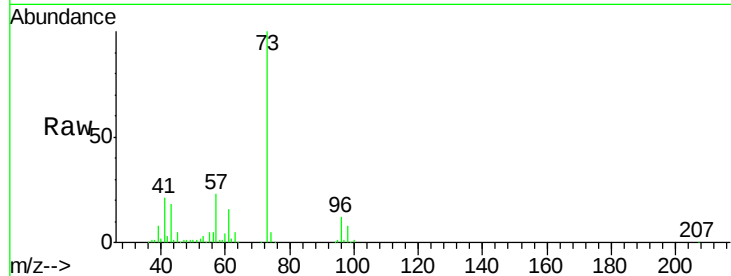
#19  
Methvl tert-butvl Ether  
Concen: 57.110 ug/l  
RT: 2.98 min Scan# 589  
Delta R.T. 0.00 min  
Lab File: VU034519.D  
Acq: 12 Sep 2019 14:38

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 22.6  | 18.2  | 27.4  |

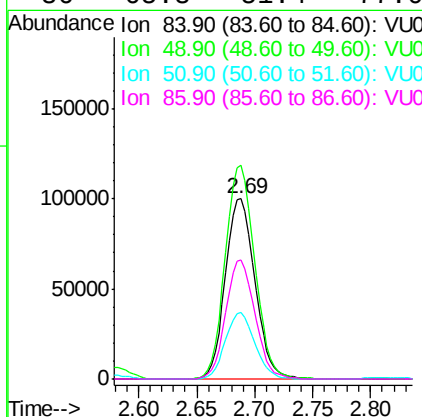
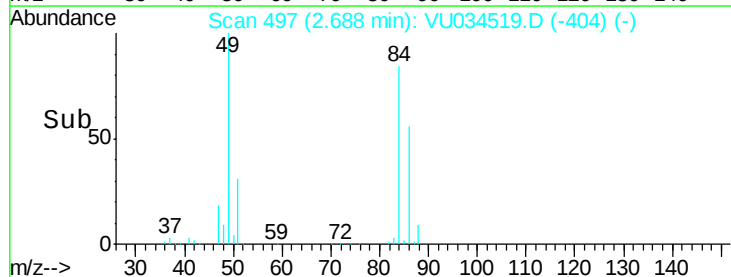
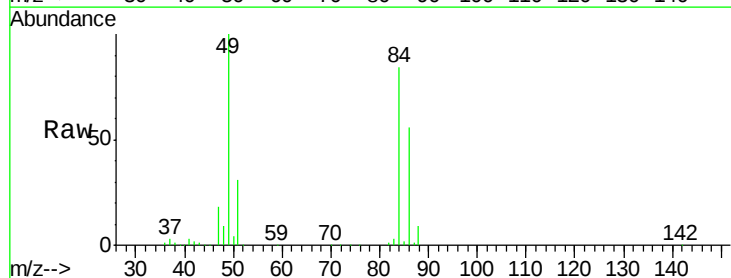
Manual Integrations  
APPROVED

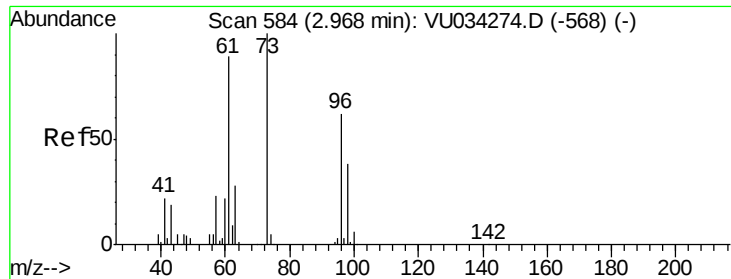
MMDadoda  
9/16/2019 11:16:44 AM



#20  
Methylene Chloride  
Concen: 56.615 ug/l  
RT: 2.69 min Scan# 497  
Delta R.T. 0.00 min  
Lab File: VU034519.D  
Acq: 12 Sep 2019 14:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 118.4 | 96.0  | 144.0 |
| 51      | 36.9  | 30.0  | 45.0  |
| 86      | 65.8  | 51.4  | 77.0  |





#21

trans-1,2-Dichloroethene

Concen: 51.362 ug/l

RT: 2.97 min Scan# 584

Delta R.T. 0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

Instrument :

MSVOA\_U

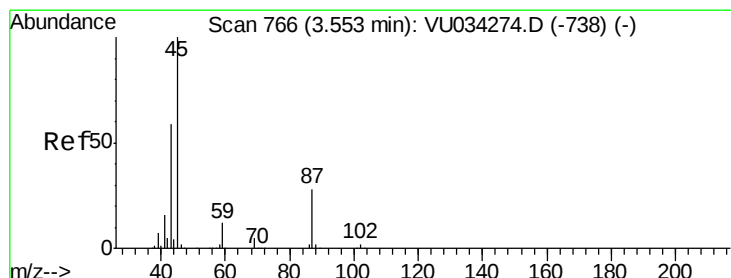
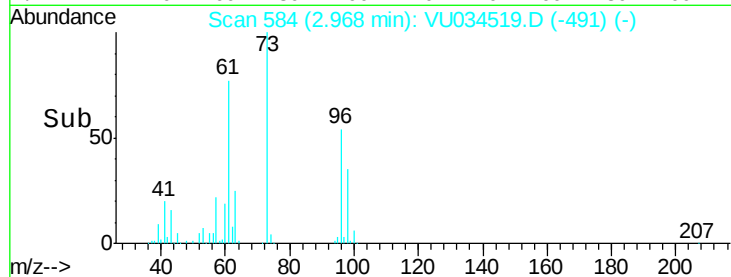
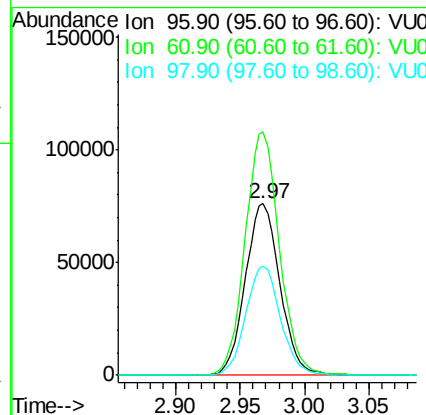
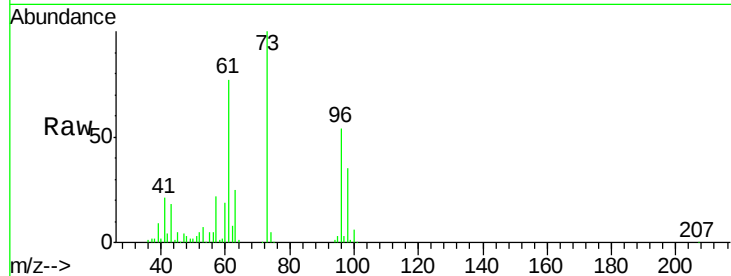
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 143151 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 141.7 | 114.8 | 172.2  |
| 98       | 63.4  | 49.8  | 74.8   |

Manual Integrations  
APPROVED

MMDadoda  
9/16/2019 11:16:44 AM



#22

Diisopropyl ether

Concen: 56.902 ug/l

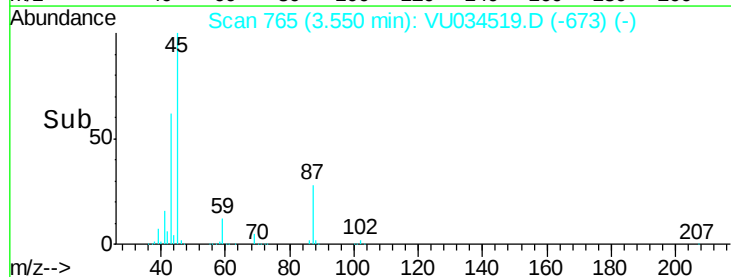
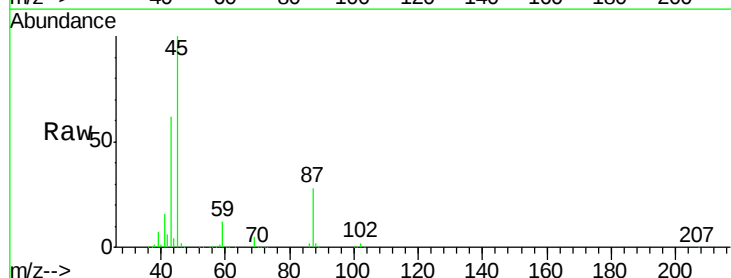
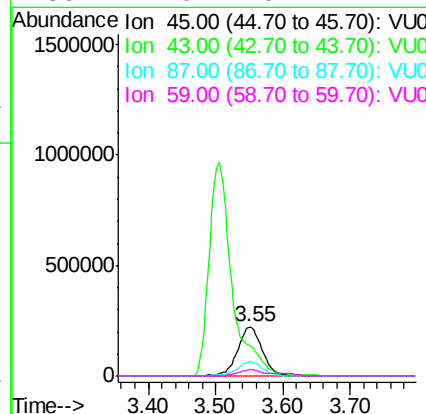
RT: 3.55 min Scan# 765

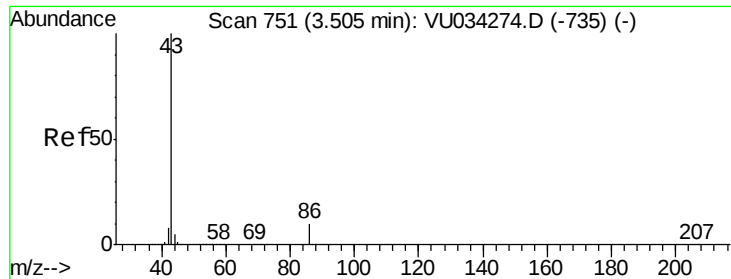
Delta R.T. -0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 561091 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 61.9  | 47.5  | 71.3   |
| 87       | 28.0  | 22.2  | 33.4   |
| 59       | 12.0  | 9.4   | 14.2   |





#23

Vinyl Acetate

Concen: 286.805 ug/l

RT: 3.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2303660

Ion Ratio Lower Upper

43 100

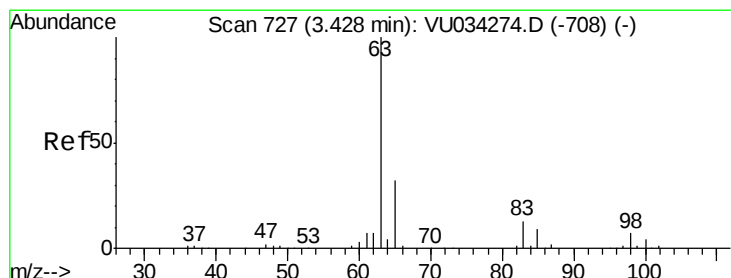
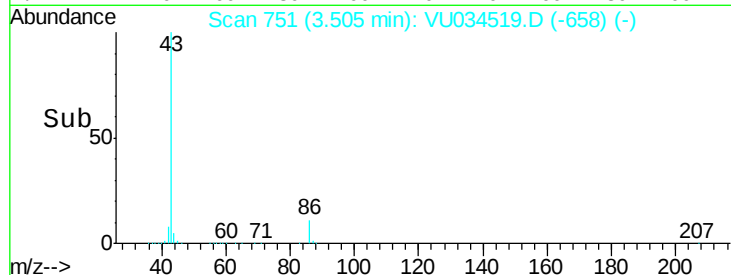
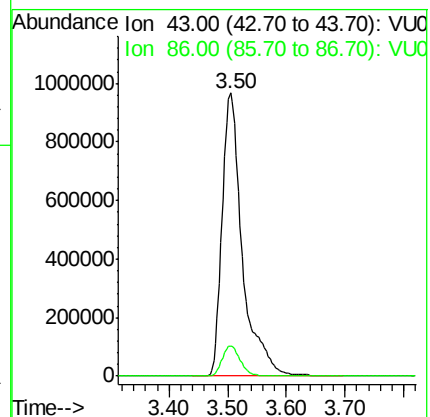
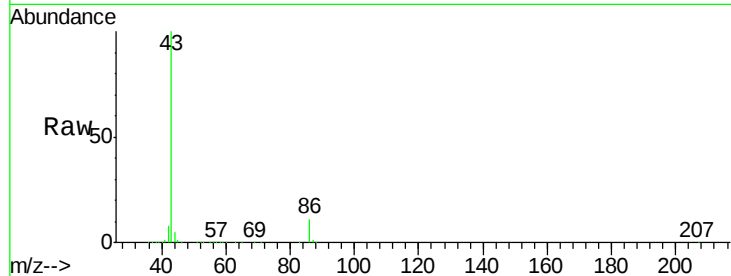
86 10.8 8.3 12.5

Manual Integrations

APPROVED

MMDadoda

9/16/2019 11:16:44 AM



#24

1,1-Dichloroethane

Concen: 53.475 ug/l

RT: 3.43 min Scan# 727

Delta R.T. 0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

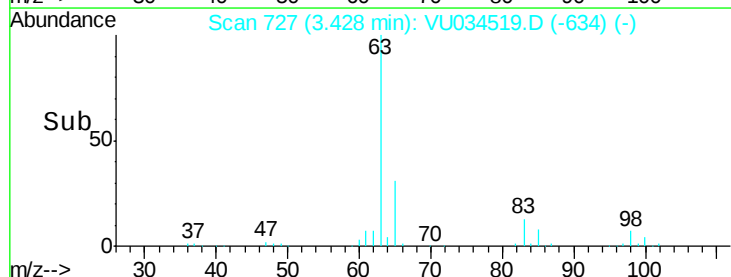
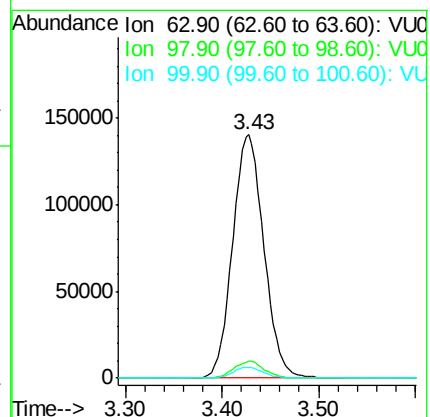
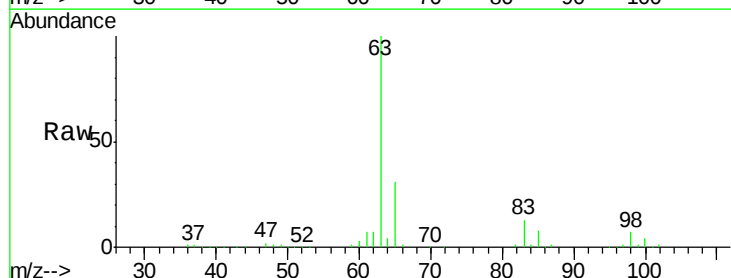
Tgt Ion: 63 Resp: 314901

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.4

100 4.4 2.1 6.5





#25

2-Butanone

Concen: 290.598 ug/l

RT: 4.24 min Scan# 979

Delta R.T. 0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 738330

Ion Ratio Lower Upper

43 100

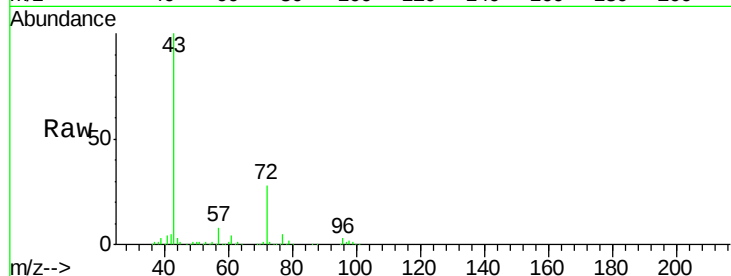
72 27.9 21.8 32.6

Manual Integrations

APPROVED

MMDadoda

9/16/2019 11:16:44 AM



Abundance Ion 43.00 (42.70 to 43.70): VU034519.D (-886) (-)

Ion 72.00 (71.70 to 72.70): VU034519.D (-886) (-)

4.24

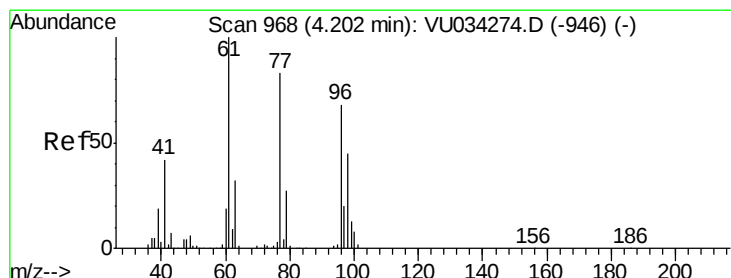
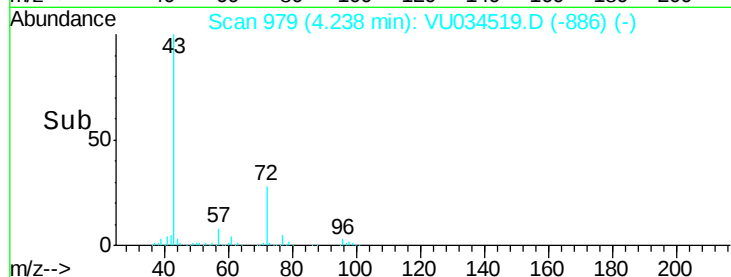
300000

200000

100000

0

Time-->



#26

2,2-Dichloropropane

Concen: 55.128 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034519.D

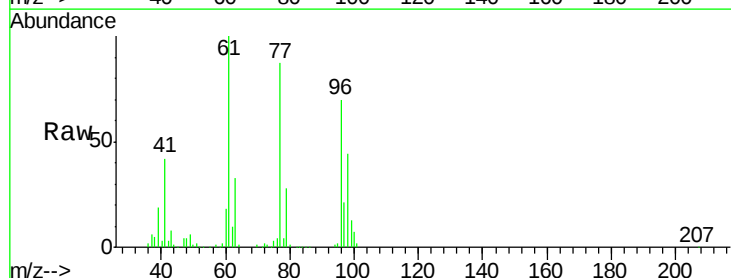
Acq: 12 Sep 2019 14:38

Tgt Ion: 77 Resp: 261097

Ion Ratio Lower Upper

77 100

97 23.6 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VU034519.D (-875) (-)

Ion 96.90 (96.60 to 97.60): VU034519.D (-875) (-)

4.20

100000

80000

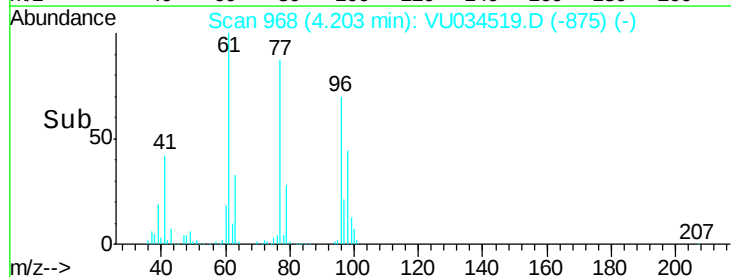
60000

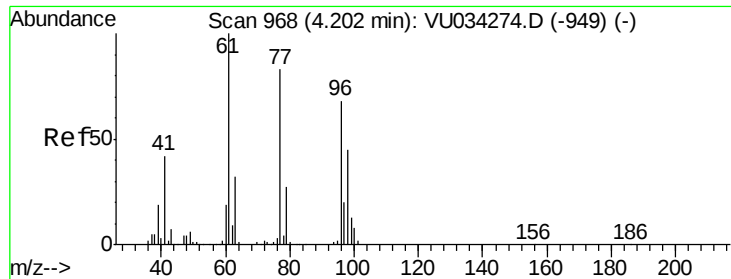
40000

20000

0

Time-->





#27

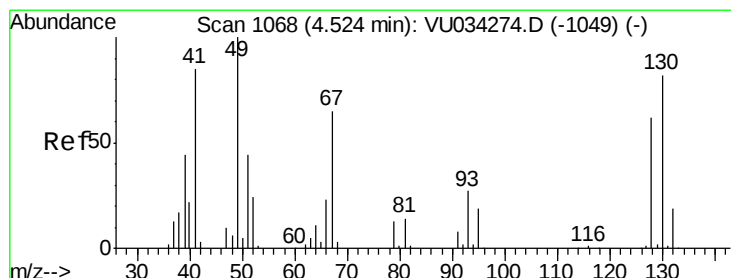
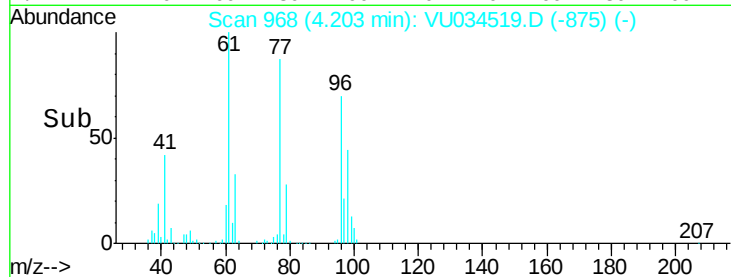
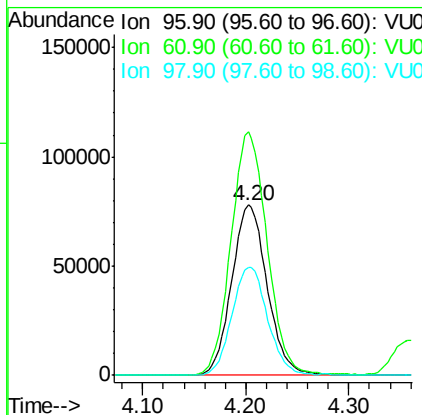
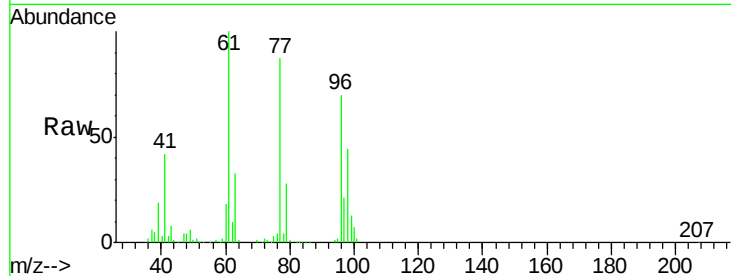
cis-1,2-Dichloroethene  
Concen: 55.235 ug/l  
RT: 4.20 min Scan# 968  
Delta R.T. 0.00 min  
Lab File: VU034519.D  
Acq: 12 Sep 2019 14:38

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 186974 |       |       |
| 61      | 145.7 | 0.0    | 297.4 |       |
| 98      | 63.9  | 0.0    | 130.0 |       |

Manual Integrations  
APPROVED

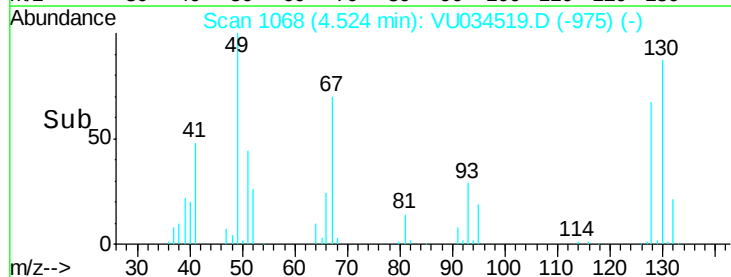
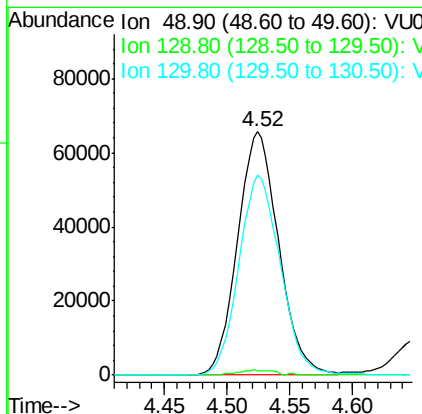
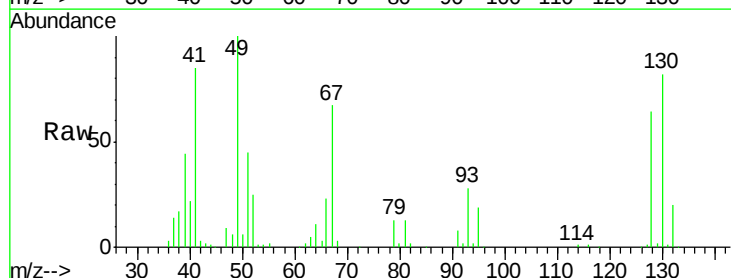
MMDadoda  
9/16/2019 11:16:44 AM

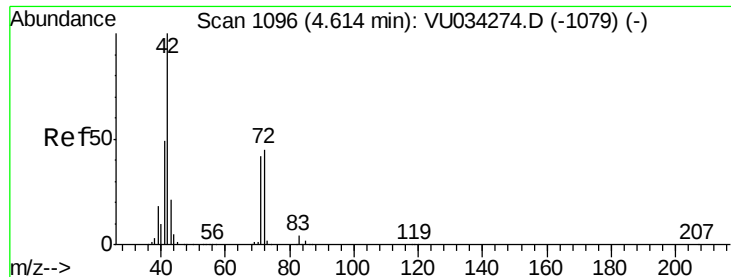


#28

Bromochloromethane  
Concen: 55.161 ug/l  
RT: 4.52 min Scan# 1068  
Delta R.T. 0.00 min  
Lab File: VU034519.D  
Acq: 12 Sep 2019 14:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 149407 |       |       |
| 129     | 1.8   | 0.0    | 3.8   |       |
| 130     | 83.0  | 65.2   | 97.8  |       |





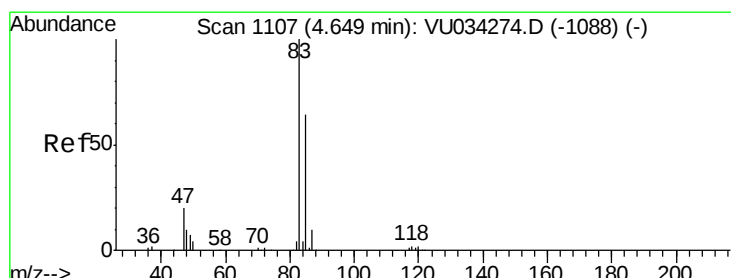
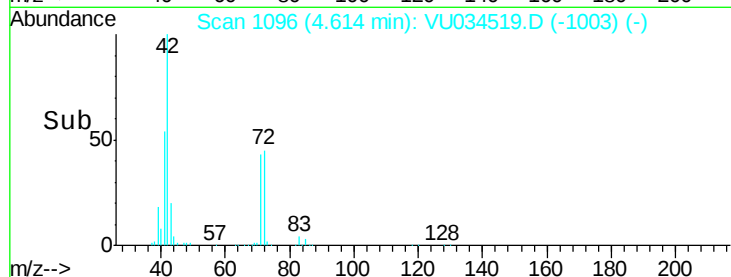
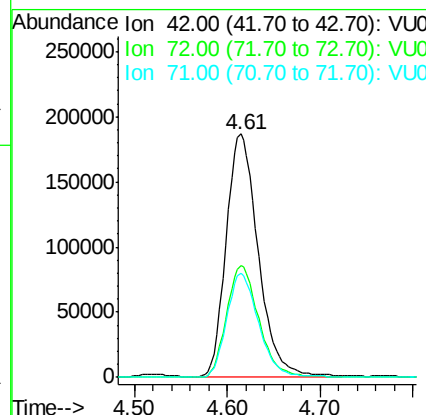
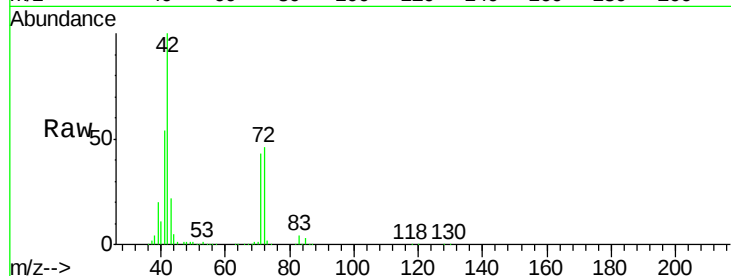
#29  
Tetrahydrofuran  
Concen: 288.656 ug/l  
RT: 4.61 min Scan# 1096  
Delta R.T. 0.00 min  
Lab File: VU034519.D  
Acq: 12 Sep 2019 14:38

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 46.4  | 36.6  | 54.8  |
| 71      | 42.9  | 34.3  | 51.5  |

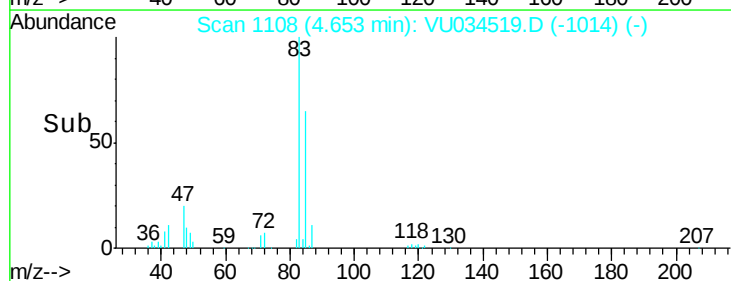
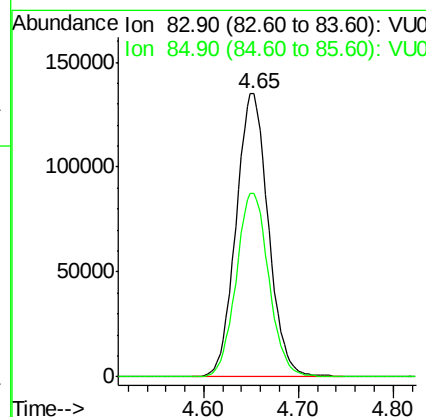
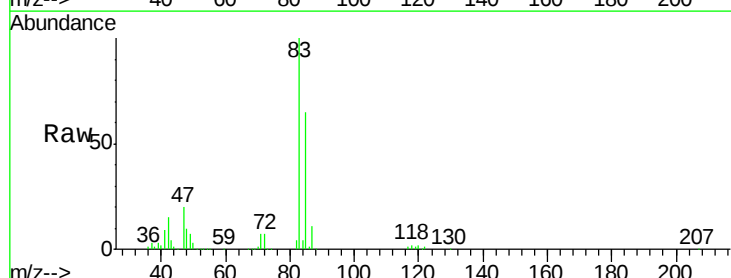
Manual Integrations  
APPROVED

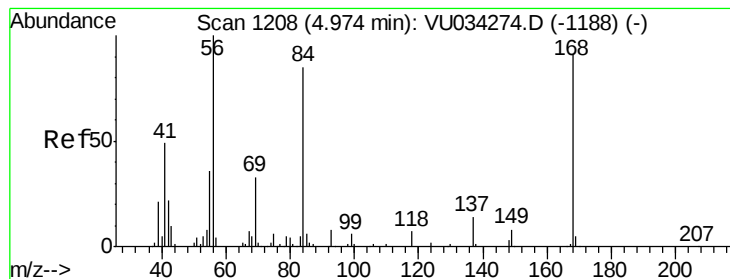
MMDadoda  
9/16/2019 11:16:44 AM



#30  
Chloroform  
Concen: 53.494 ug/l  
RT: 4.65 min Scan# 1108  
Delta R.T. 0.00 min  
Lab File: VU034519.D  
Acq: 12 Sep 2019 14:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.8  | 51.5  | 77.3  |





#31

Cyclohexane

Concen: 49.222 ug/l

RT: 4.97 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 212052

Ion Ratio Lower Upper

56 100

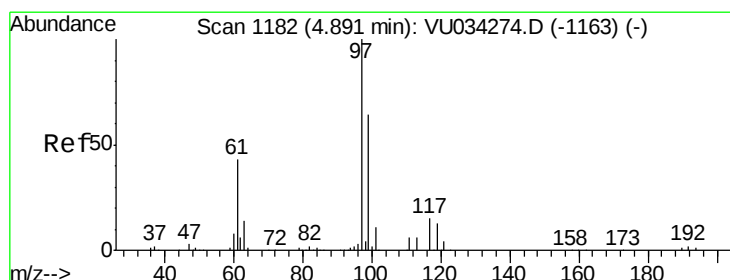
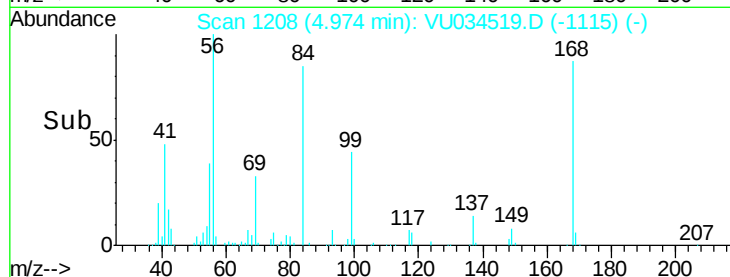
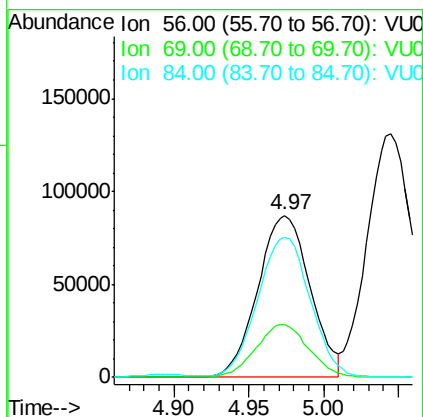
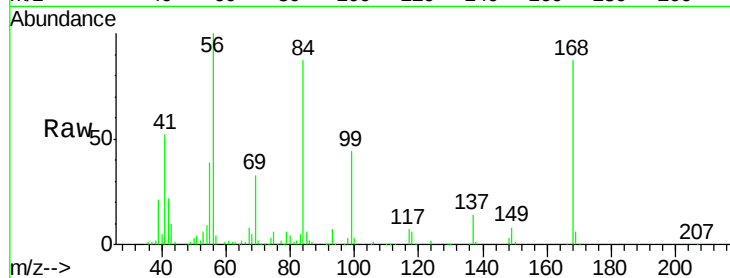
69 32.8 26.7 40.1

84 85.5 68.2 102.4

Manual Integrations  
APPROVED

MMDadoda

9/16/2019 11:16:44 AM



#32

1,1,1-Trichloroethane

Concen: 54.648 ug/l

RT: 4.89 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

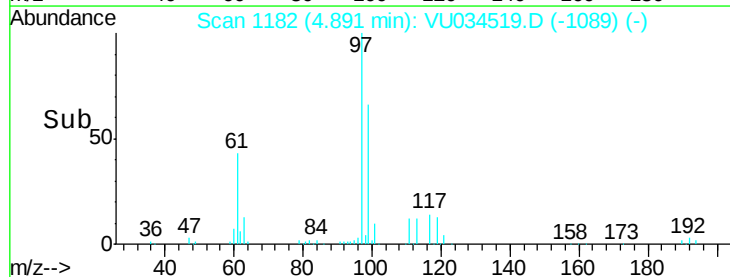
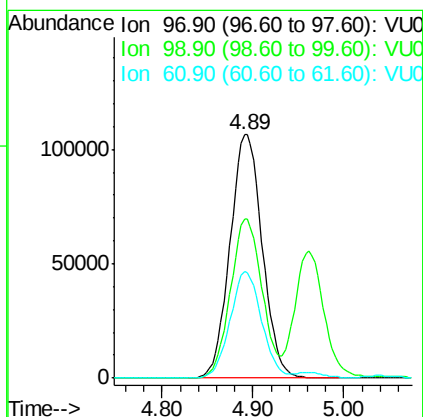
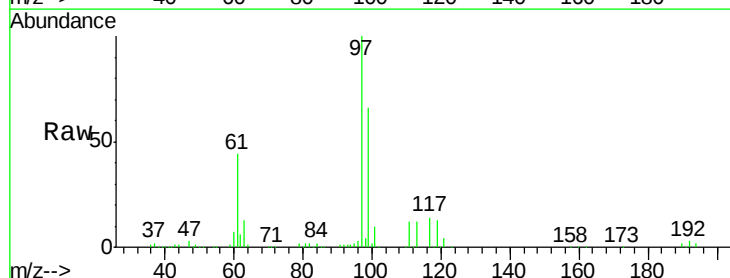
Tgt Ion: 97 Resp: 261529

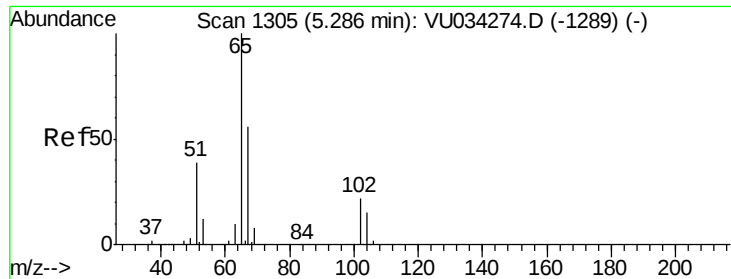
Ion Ratio Lower Upper

97 100

99 64.3 50.9 76.3

61 43.0 34.7 52.1





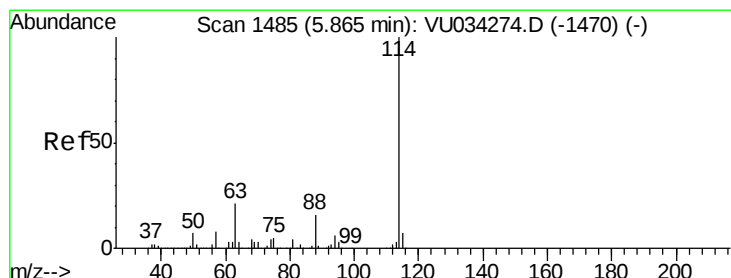
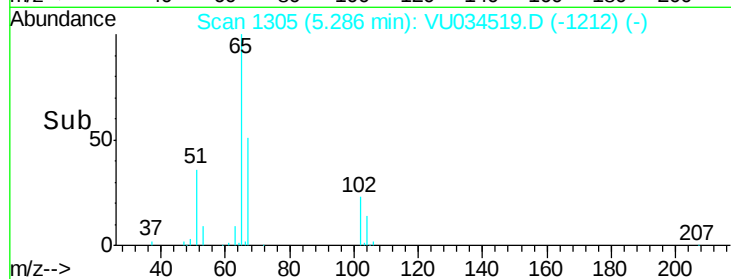
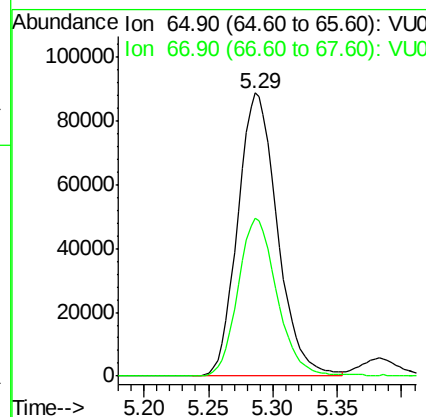
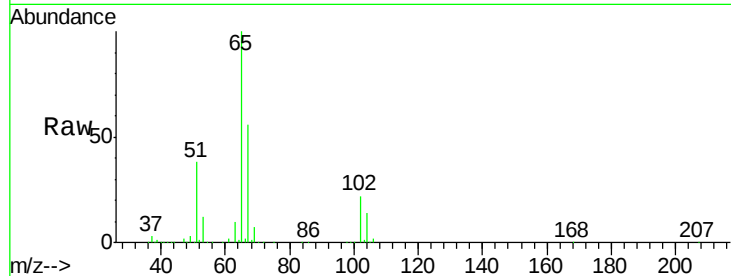
#33  
 1,2-Dichloroethane-d4  
 Concen: 51.702 ug/l  
 RT: 5.29 min Scan# 1305  
 Delta R.T. 0.00 min  
 Lab File: VU034519.D  
 Acq: 12 Sep 2019 14:38

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 190162 |       |       |
| 67      | 54.6  | 0.0    | 112.4 |       |

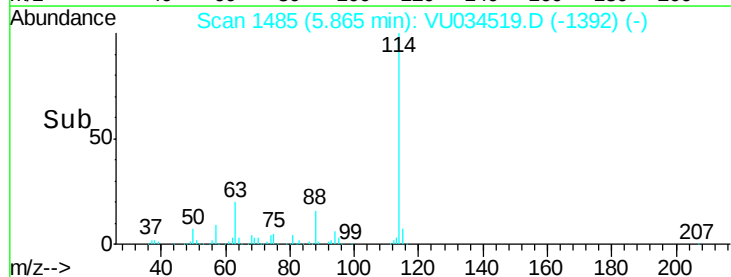
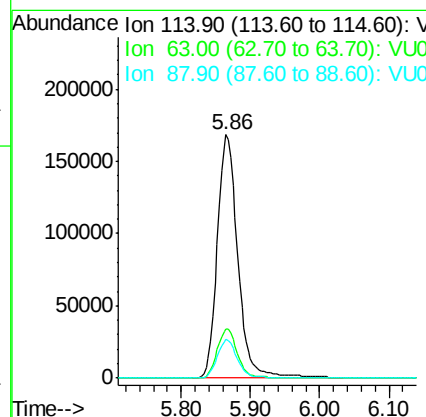
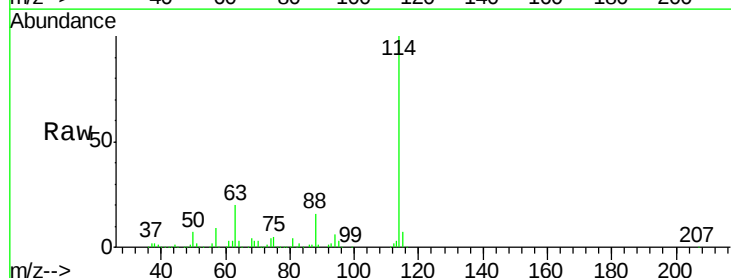
Manual Integrations  
 APPROVED

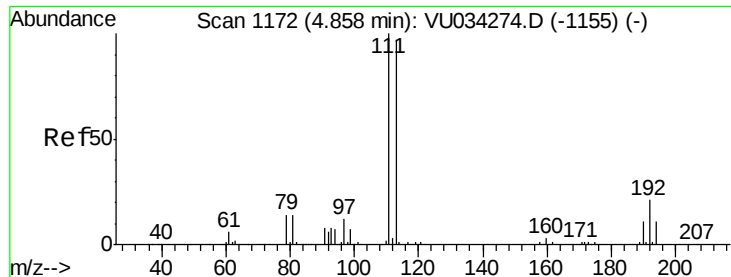
MMDadoda  
 9/16/2019 11:16:44 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.86 min Scan# 1485  
 Delta R.T. 0.00 min  
 Lab File: VU034519.D  
 Acq: 12 Sep 2019 14:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 346712 |       |       |
| 63      | 20.2  | 0.0    | 42.4  |       |
| 88      | 15.8  | 0.0    | 32.4  |       |





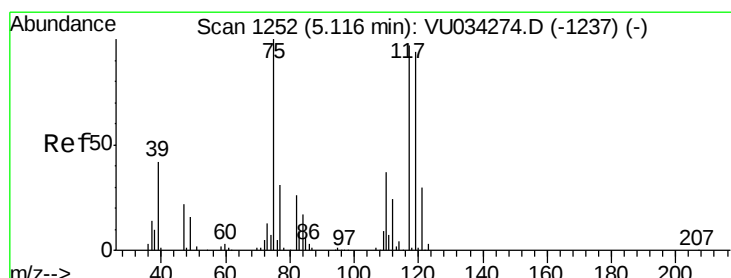
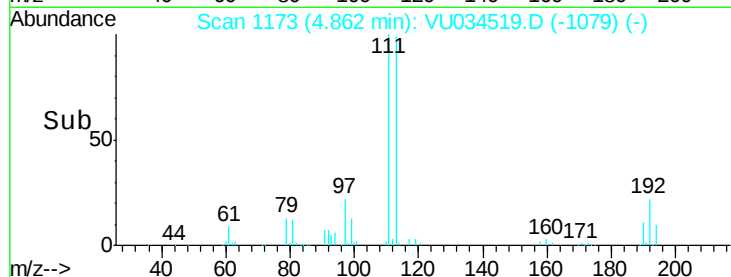
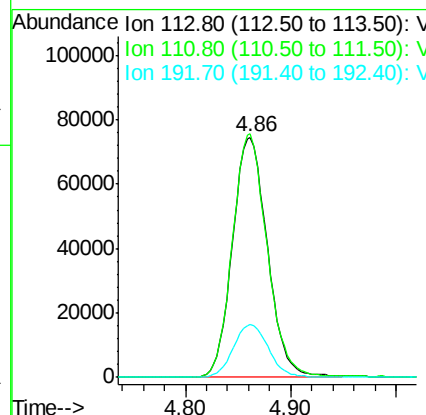
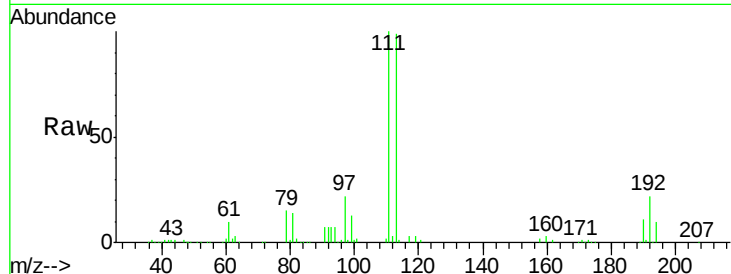
#35  
 Dibromofluoromethane  
 Concen: 53.157 ug/l  
 RT: 4.86 min Scan# 1173  
 Delta R.T. 0.00 min  
 Lab File: VU034519.D  
 Acq: 12 Sep 2019 14:38

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 171494 |       |       |
| 111     | 100.4 | 81.5   | 122.3 |       |
| 192     | 22.2  | 17.8   | 26.8  |       |

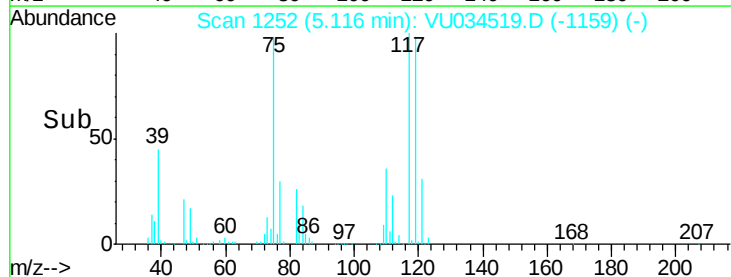
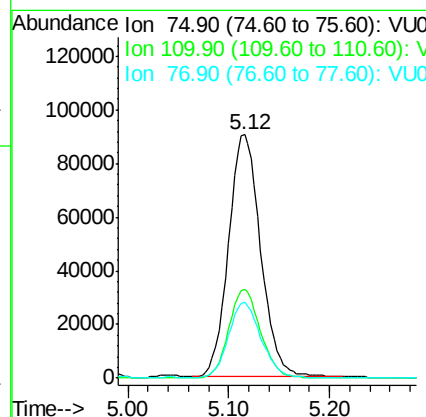
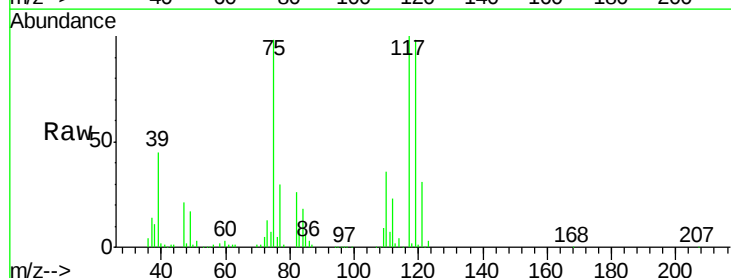
Manual Integrations  
 APPROVED

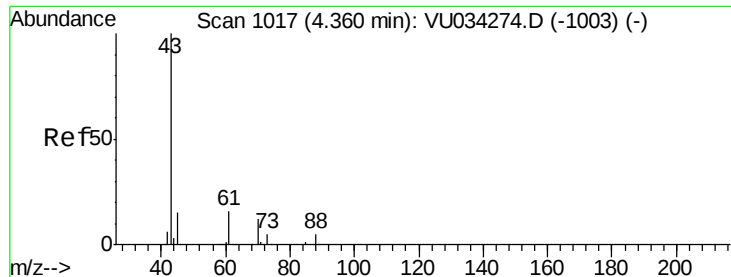
MMDadoda  
 9/16/2019 11:16:44 AM



#36  
 1,1-Dichloropropene  
 Concen: 53.236 ug/l  
 RT: 5.12 min Scan# 1252  
 Delta R.T. 0.00 min  
 Lab File: VU034519.D  
 Acq: 12 Sep 2019 14:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 200174 |       |       |
| 110     | 36.4  | 18.3   | 54.9  |       |
| 77      | 31.3  | 24.9   | 37.3  |       |





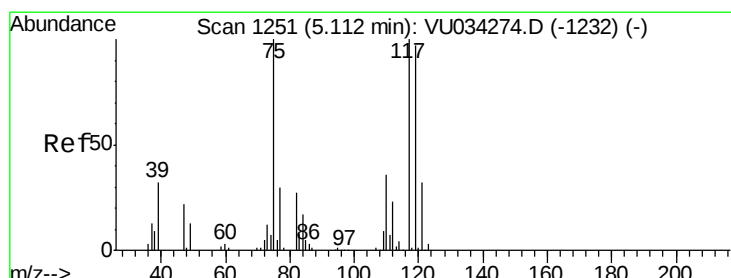
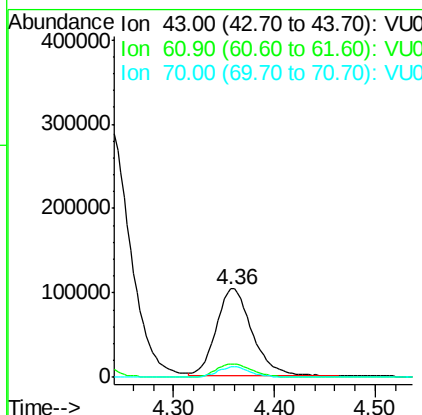
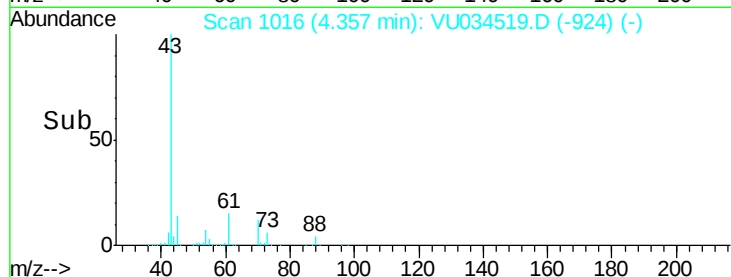
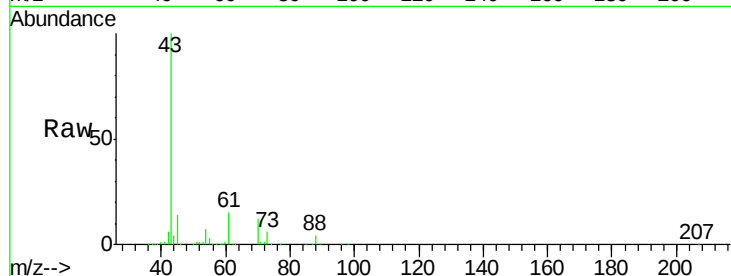
#37  
Ethyl Acetate  
Concen: 58.085 ug/l  
RT: 4.36 min Scan# 1016  
Delta R.T. -0.00 min  
Lab File: VU034519.D  
Acq: 12 Sep 2019 14:38

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 15.0  | 12.3  | 18.5  |
| 70      | 11.5  | 9.1   | 13.7  |

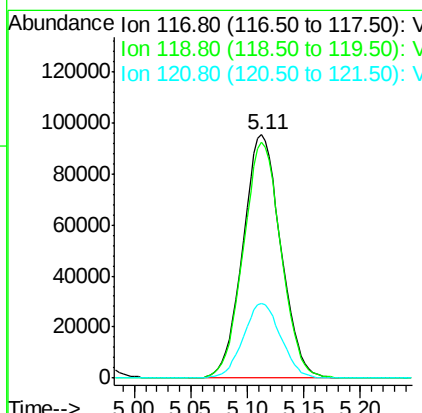
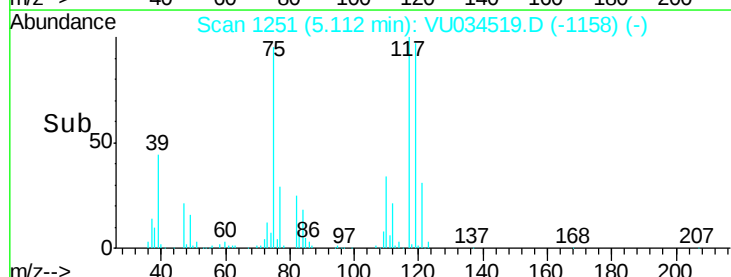
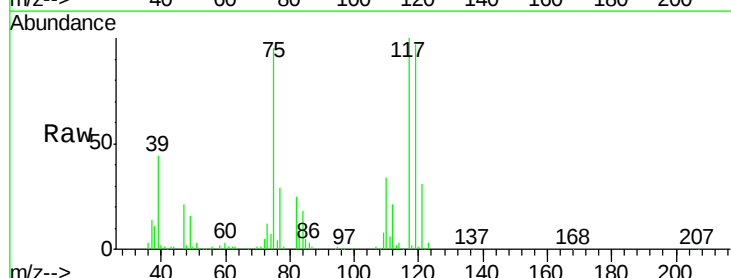
Manual Integrations  
APPROVED

MMDadoda  
9/16/2019 11:16:44 AM



#38  
Carbon Tetrachloride  
Concen: 55.216 ug/l  
RT: 5.11 min Scan# 1251  
Delta R.T. 0.00 min  
Lab File: VU034519.D  
Acq: 12 Sep 2019 14:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.9  | 77.8  | 116.6 |
| 121     | 30.7  | 25.2  | 37.8  |





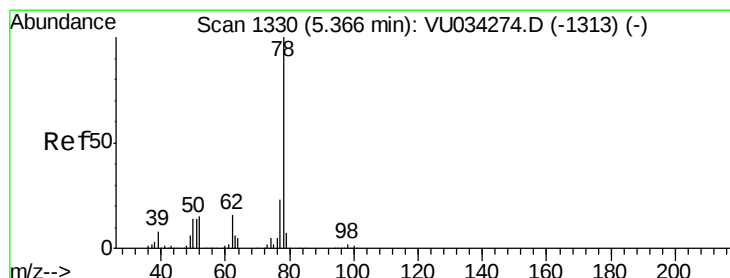
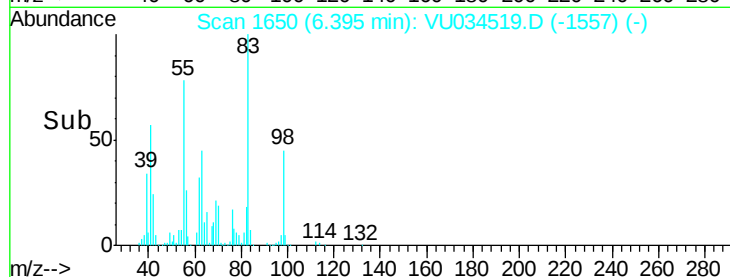
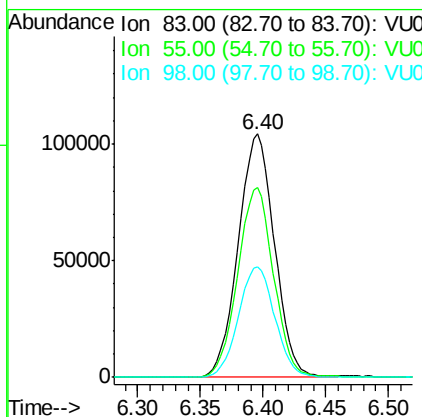
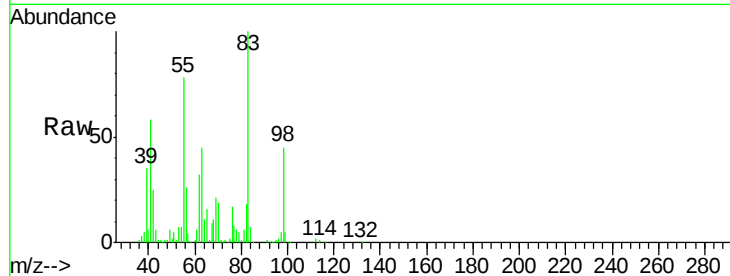
#39  
Methvlcvclohexane  
Concen: 52.259 ug/l  
RT: 6.40 min Scan# 1650  
Delta R.T. 0.00 min  
Lab File: VU034519.D  
Acq: 12 Sep 2019 14:38

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 77.9  | 62.1  | 93.1  |
| 98      | 45.2  | 37.0  | 55.6  |

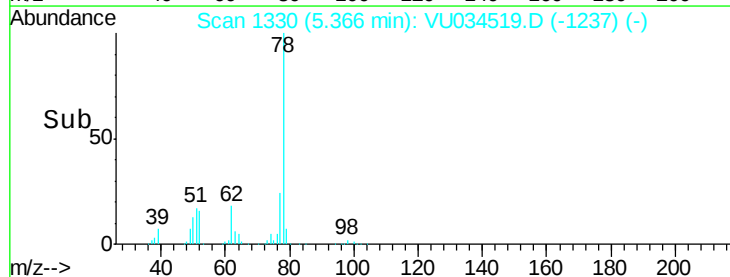
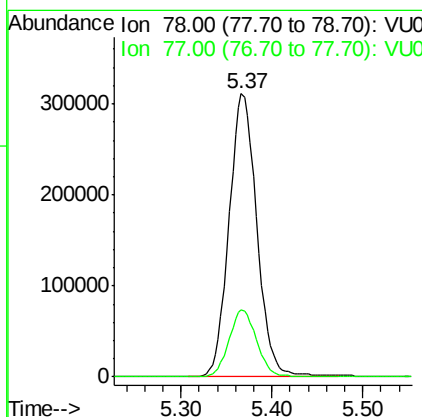
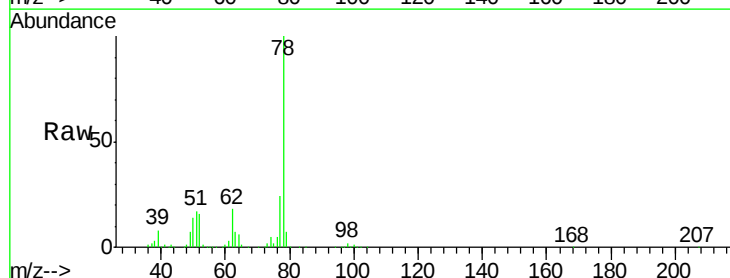
Manual Integrations  
APPROVED

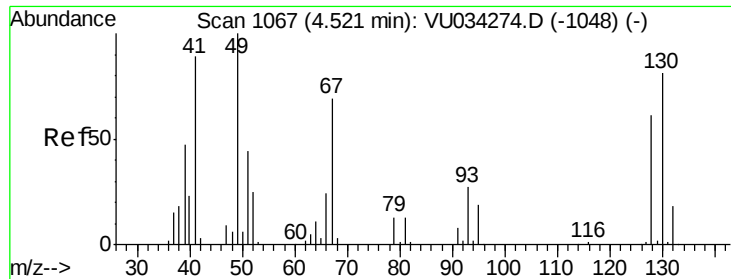
MMDadoda  
9/16/2019 11:16:44 AM



#40  
Benzene  
Concen: 54.590 ug/l  
RT: 5.37 min Scan# 1330  
Delta R.T. 0.00 min  
Lab File: VU034519.D  
Acq: 12 Sep 2019 14:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.7  | 18.7  | 28.1  |





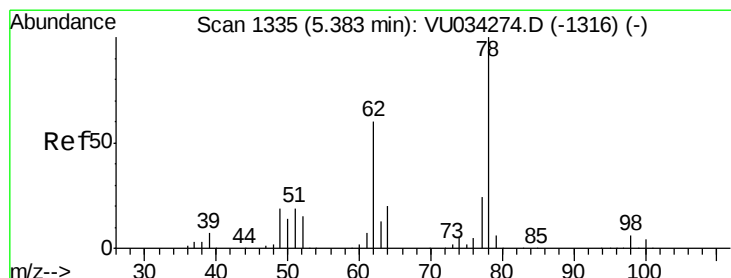
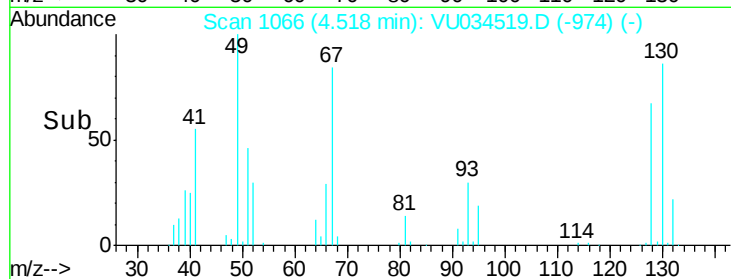
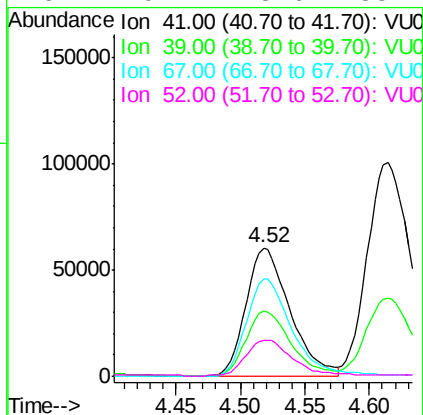
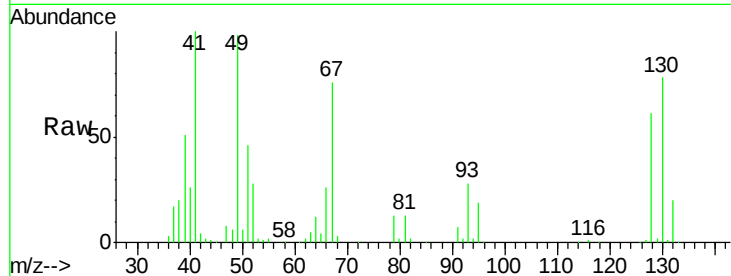
#41  
Methacrylonitrile  
Concen: 60.239 ug/l  
RT: 4.52 min Scan# 1066  
Delta R.T. -0.00 min  
Lab File: VU034519.D  
Acq: 12 Sep 2019 14:38

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 52.1 | 41.0  | 61.4  |       |
| 67      | 79.2 | 62.4  | 93.6  |       |
| 52      | 29.1 | 23.6  | 35.4  |       |

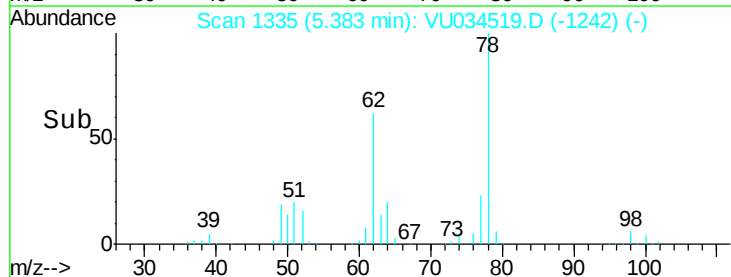
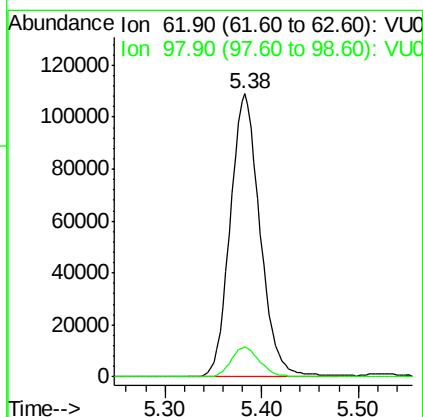
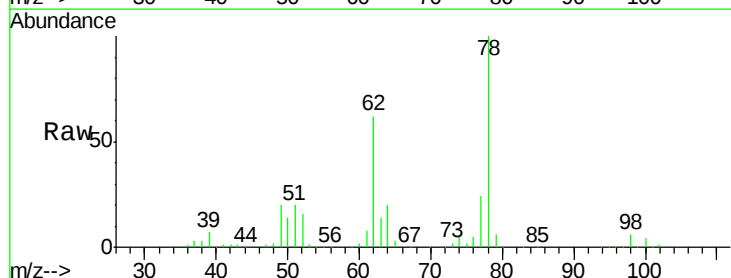
Manual Integrations  
APPROVED

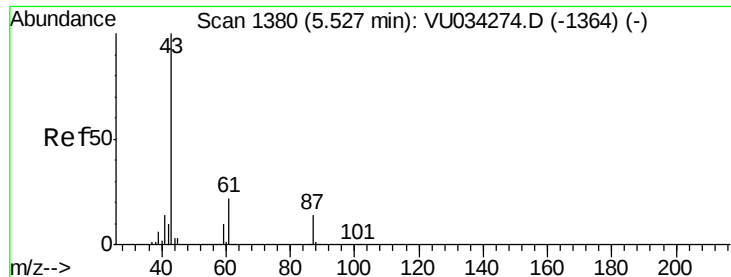
MMDadoda  
9/16/2019 11:16:44 AM



#42  
1,2-Dichloroethane  
Concen: 55.415 ug/l  
RT: 5.38 min Scan# 1335  
Delta R.T. 0.00 min  
Lab File: VU034519.D  
Acq: 12 Sep 2019 14:38

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 62      | 100  |       |       |       |
| 98      | 10.3 | 0.0   | 20.0  |       |





#43

Isopropyl Acetate

Concen: 57.686 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

Instrument :

MSVOA\_U

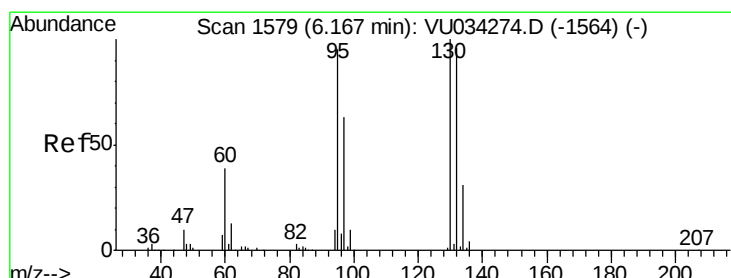
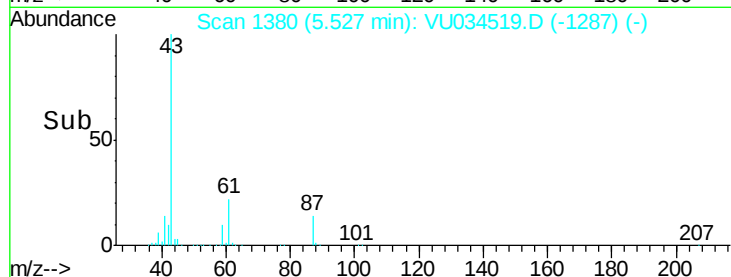
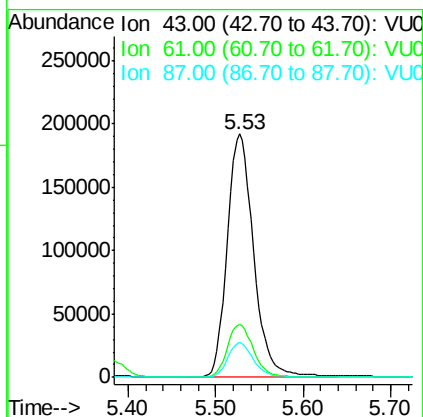
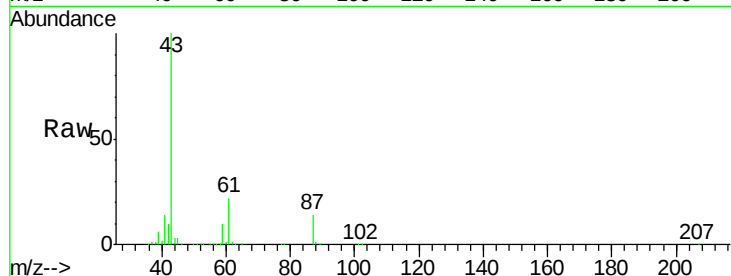
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 400067 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 21.8  | 17.1  | 25.7   |
| 87       | 14.1  | 11.1  | 16.7   |

Manual Integrations  
APPROVED

MMDadoda  
9/16/2019 11:16:44 AM



#44

Trichloroethene

Concen: 54.258 ug/l

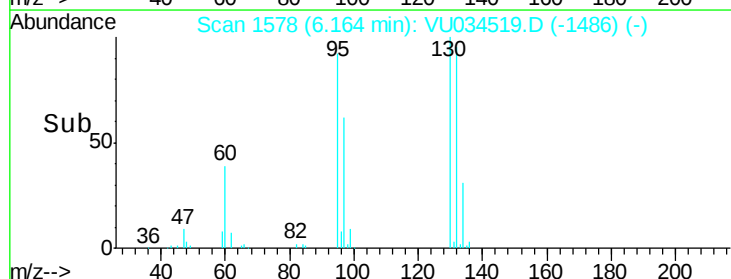
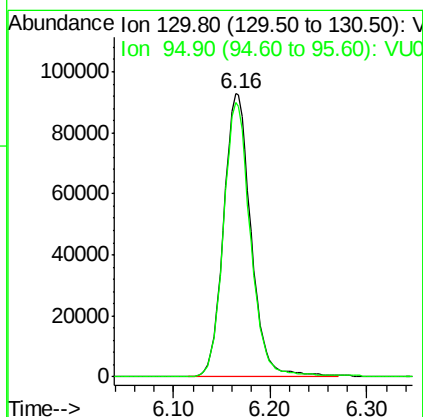
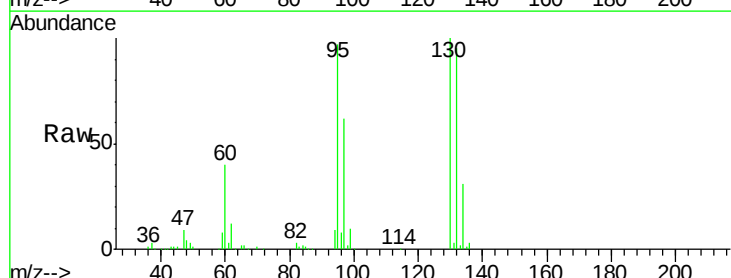
RT: 6.16 min Scan# 1578

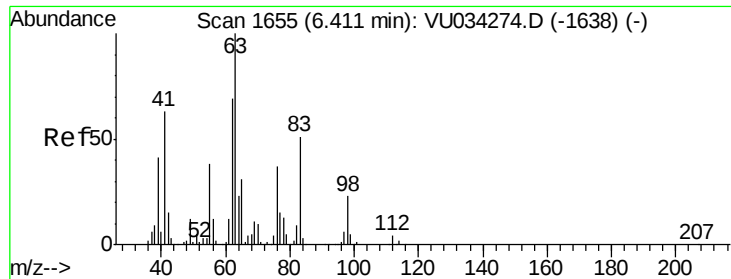
Delta R.T. -0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 182168 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 97.1  | 0.0   | 189.2  |





#45

1,2-Dichloropropane

Concen: 56.159 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 199196

Ion Ratio Lower Upper

63 100

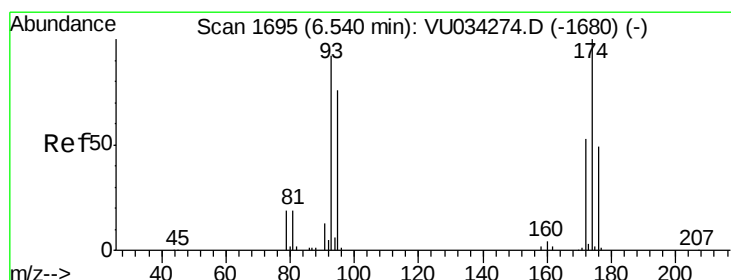
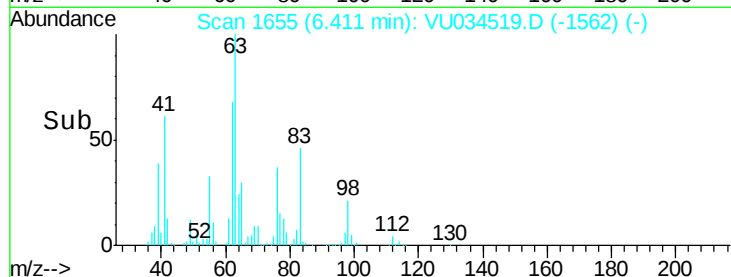
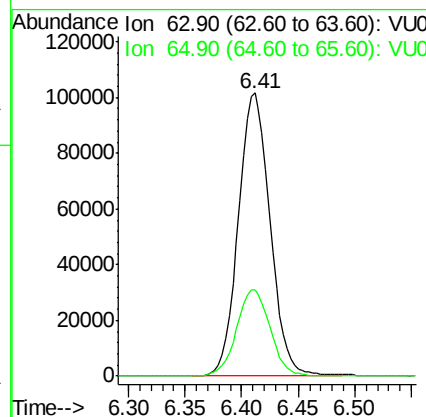
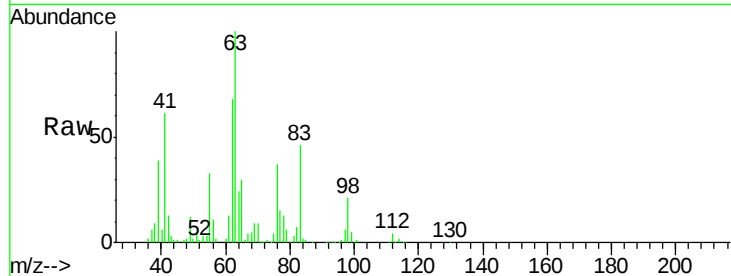
65 30.3 24.6 37.0

Manual Integrations

APPROVED

MMDadoda

9/16/2019 11:16:44 AM



#46

Dibromomethane

Concen: 56.276 ug/l

RT: 6.54 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

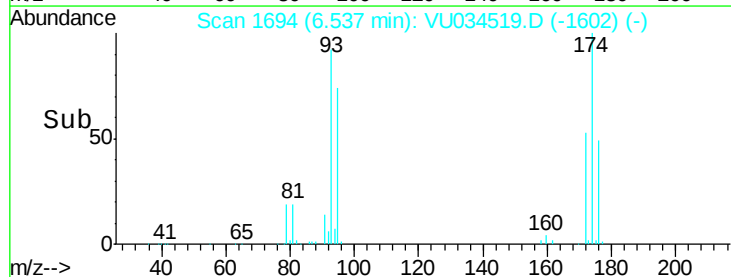
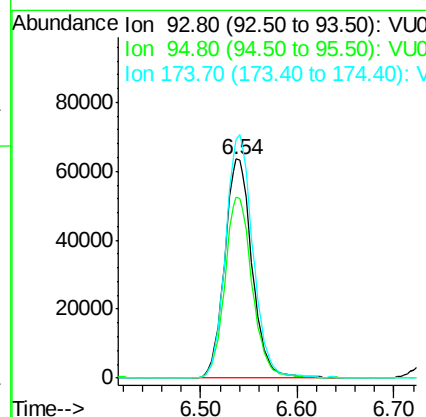
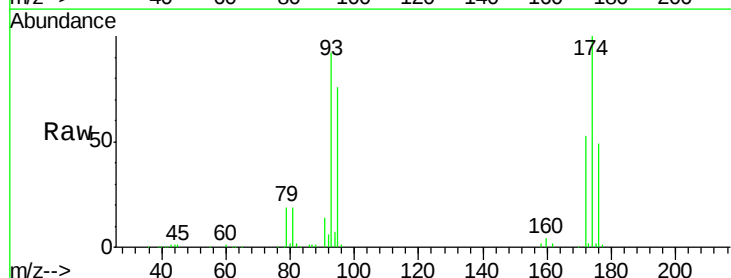
Tgt Ion: 93 Resp: 125296

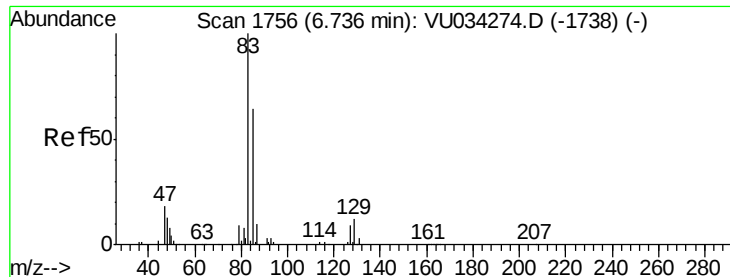
Ion Ratio Lower Upper

93 100

95 82.3 66.5 99.7

174 110.5 87.8 131.6





#47

Bromodichloromethane

Concen: 57.117 ug/l

RT: 6.73 min Scan# 1755

Delta R.T. -0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

Instrument :

MSVOA\_U

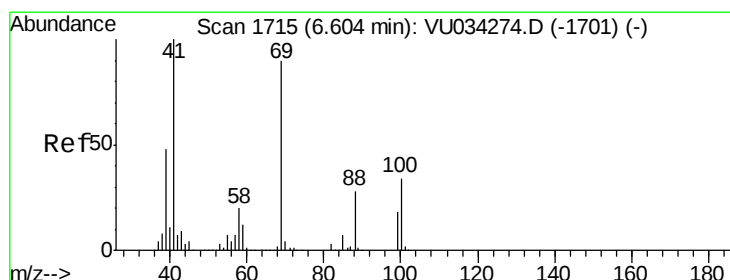
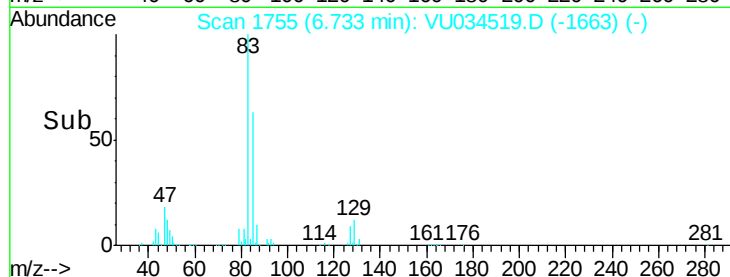
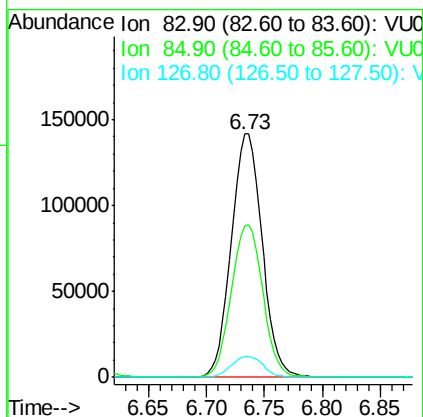
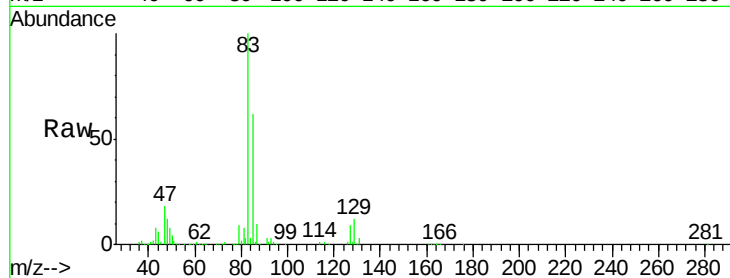
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 261764 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 62.2  | 51.1  | 76.7   |
| 127       | 8.6   | 7.2   | 10.8   |

Manual Integrations  
APPROVED

MMDadoda  
9/16/2019 11:16:44 AM



#48

Methyl methacrylate

Concen: 57.188 ug/l

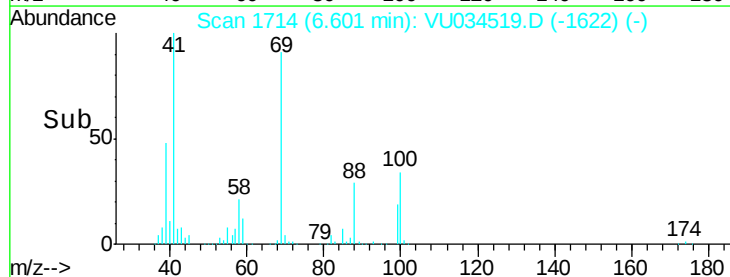
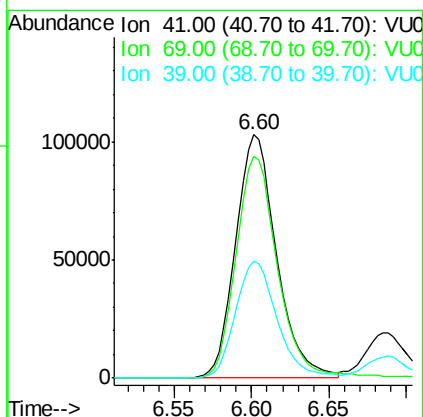
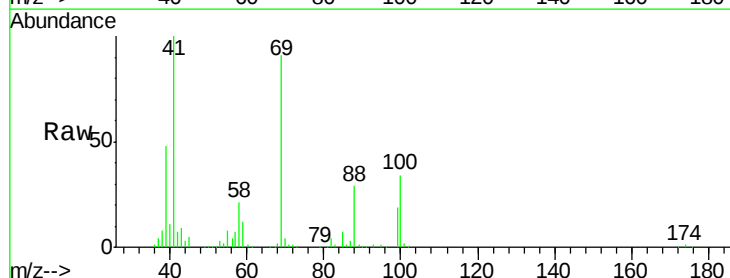
RT: 6.60 min Scan# 1714

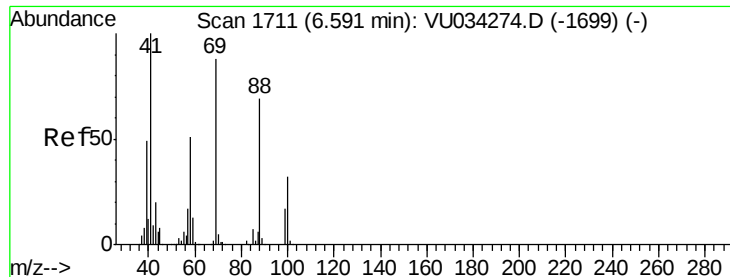
Delta R.T. -0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 188375 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 93.6  | 72.8  | 109.2  |
| 39        | 48.5  | 38.6  | 58.0   |





#49

1,4-Dioxane

Concen: 1041.667 ug/l

RT: 6.59 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 88 Resp: 74925

Ion Ratio Lower Upper

88 100

43 28.9 23.8 35.6

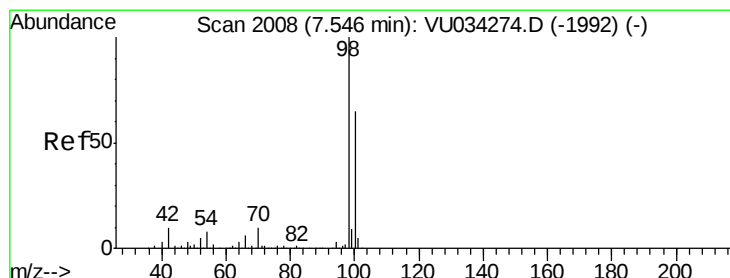
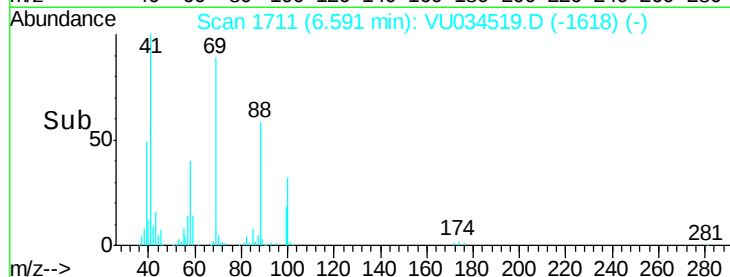
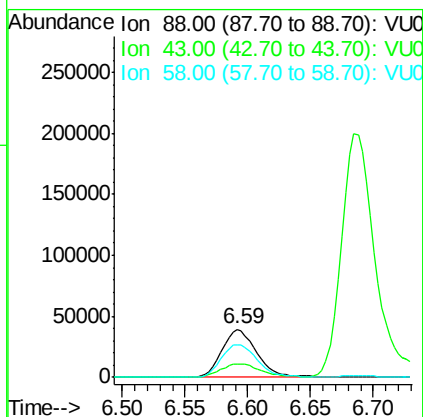
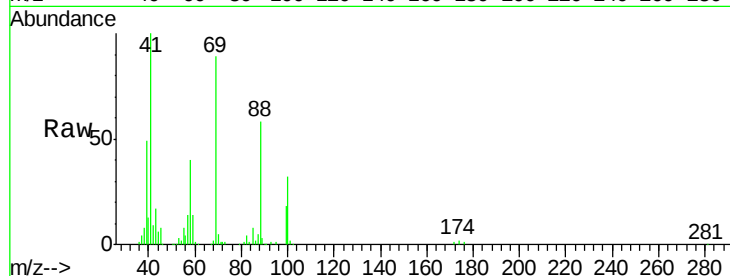
58 72.0 58.4 87.6

Manual Integrations

APPROVED

MMDadoda

9/16/2019 11:16:44 AM



#50

Toluene-d8

Concen: 52.581 ug/l

RT: 7.54 min Scan# 2007

Delta R.T. -0.00 min

Lab File: VU034519.D

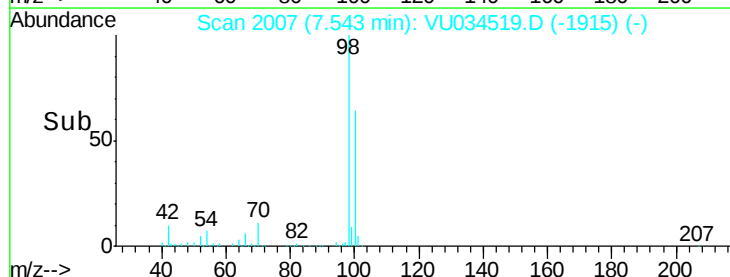
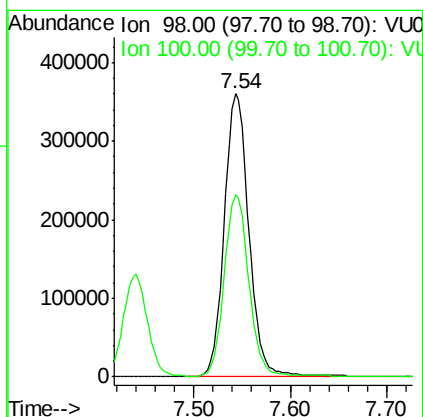
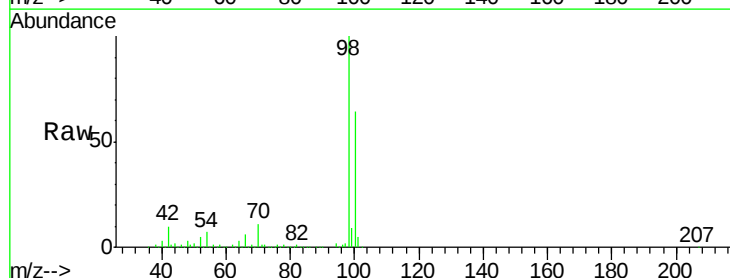
Acq: 12 Sep 2019 14:38

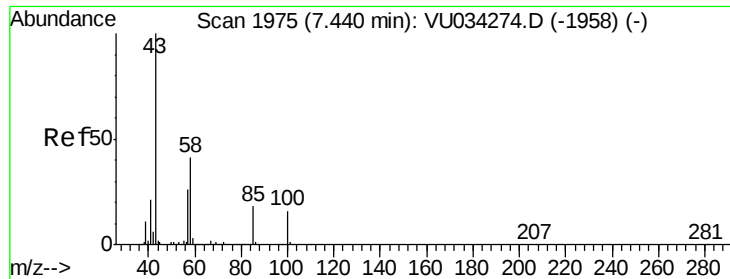
Tgt Ion: 98 Resp: 637319

Ion Ratio Lower Upper

98 100

100 64.8 51.7 77.5





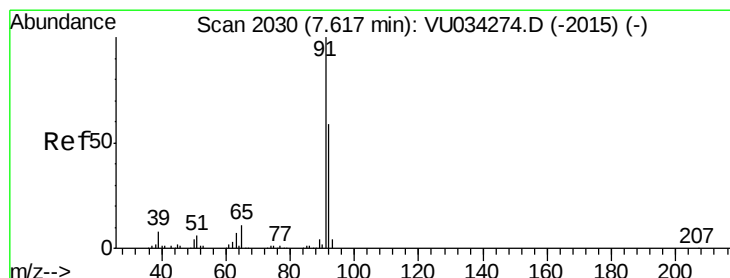
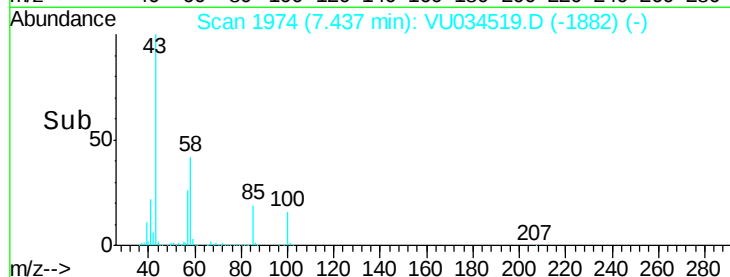
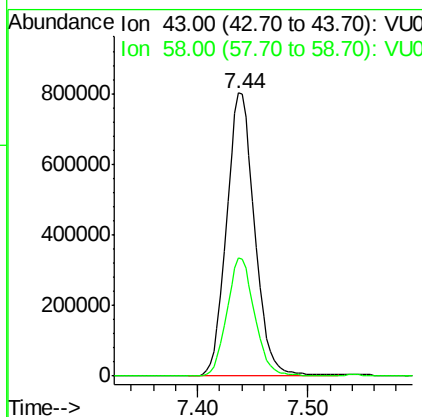
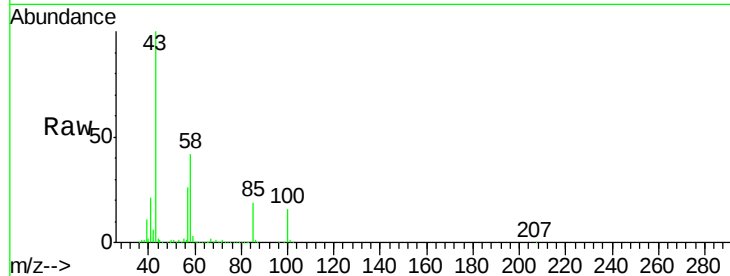
#51  
 4-Methyl-2-Pentanone  
 Concen: 294.209 ug/l  
 RT: 7.44 min Scan# 1974  
 Delta R.T. -0.00 min  
 Lab File: VU034519.D  
 Acq: 12 Sep 2019 14:38

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 43 Resp: 1412362  
 Ion Ratio Lower Upper  
 43 100  
 58 41.4 33.0 49.4

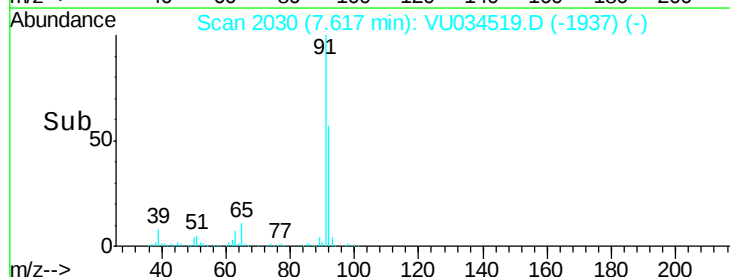
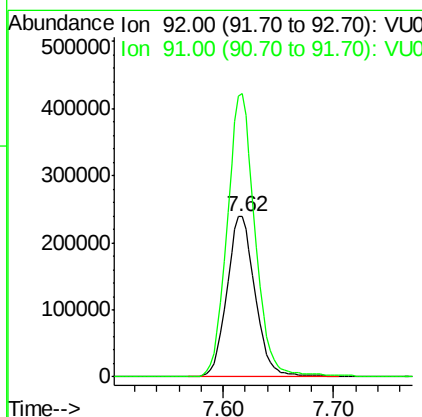
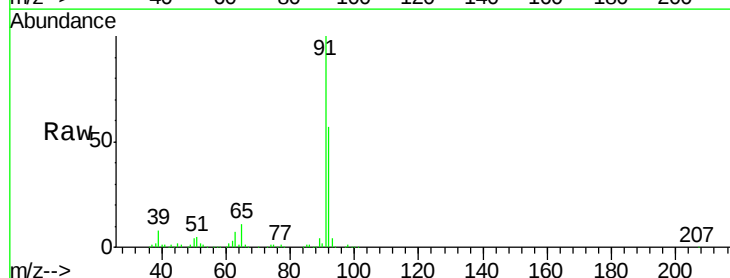
Manual Integrations  
 APPROVED

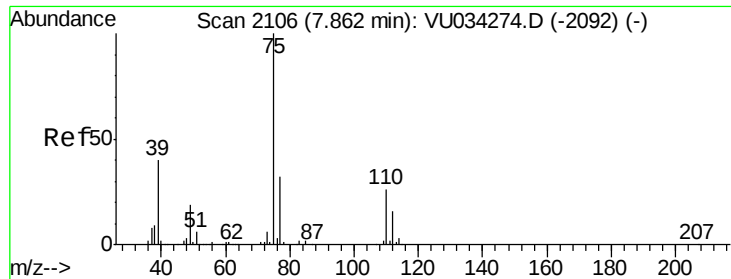
MMDadoda  
 9/16/2019 11:16:44 AM



#52  
 Toluene  
 Concen: 55.806 ug/l  
 RT: 7.62 min Scan# 2030  
 Delta R.T. 0.00 min  
 Lab File: VU034519.D  
 Acq: 12 Sep 2019 14:38

Tgt Ion: 92 Resp: 424744  
 Ion Ratio Lower Upper  
 92 100  
 91 175.5 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 57.627 ug/l

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 273777

Ion Ratio Lower Upper

75 100

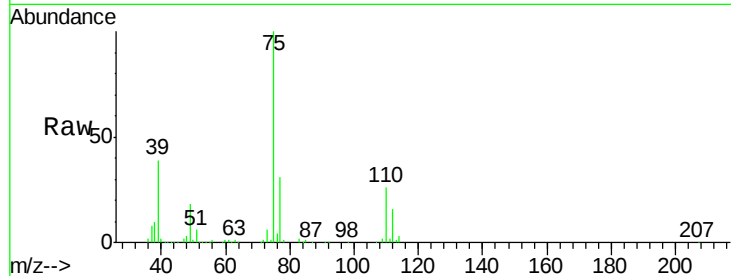
77 31.3 25.7 38.5

Manual Integrations

APPROVED

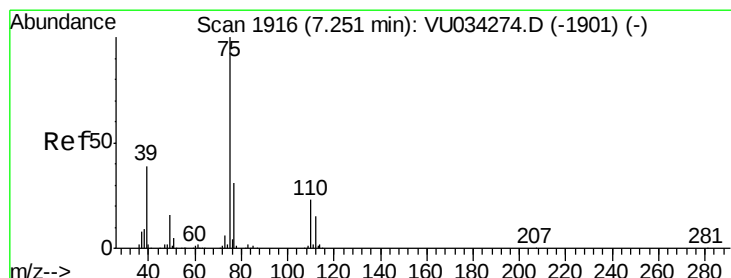
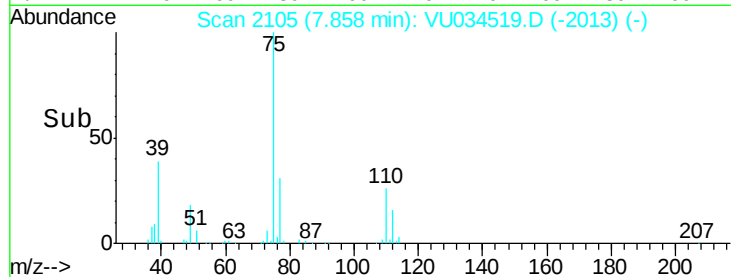
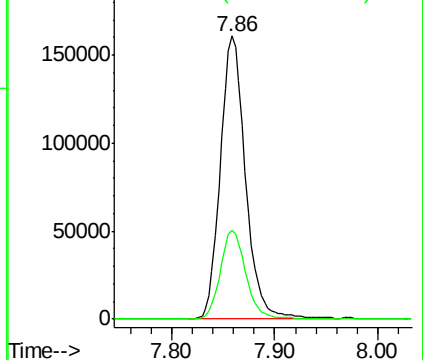
MMDadoda

9/16/2019 11:16:44 AM



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 57.722 ug/l

RT: 7.25 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

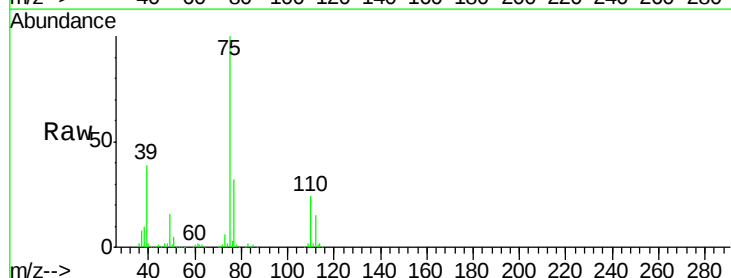
Tgt Ion: 75 Resp: 300972

Ion Ratio Lower Upper

75 100

77 32.2 25.1 37.7

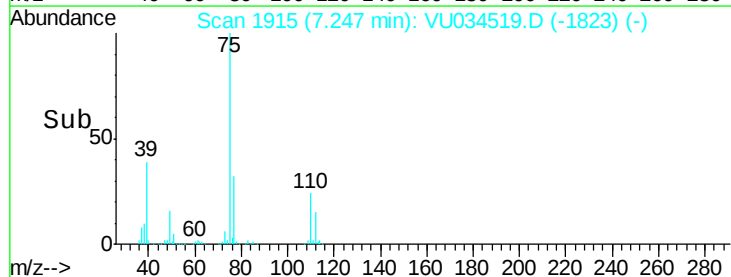
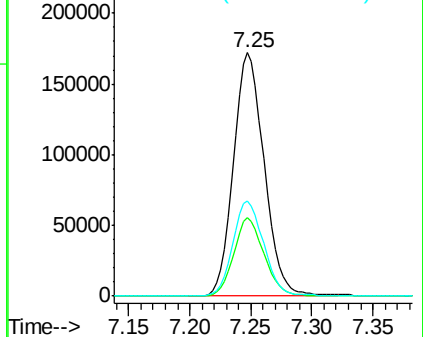
39 38.9 31.2 46.8

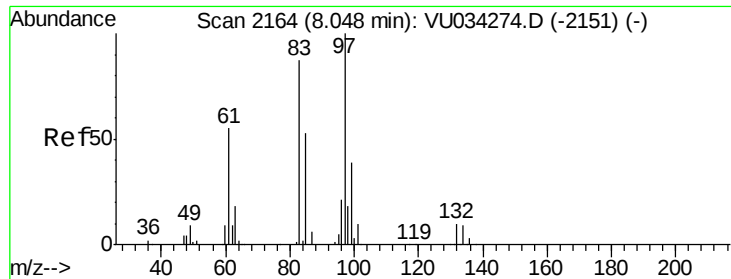


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0





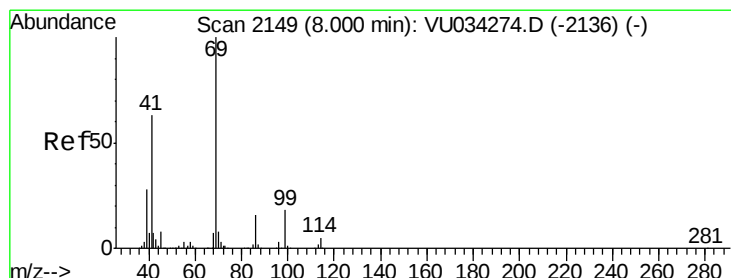
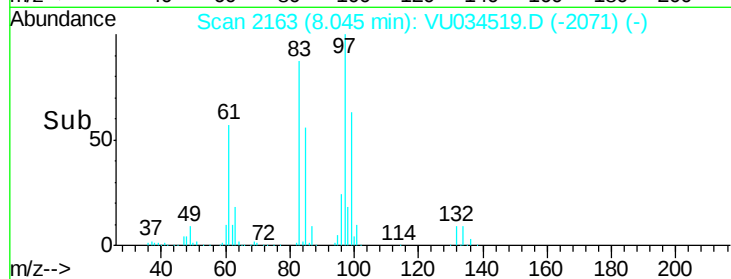
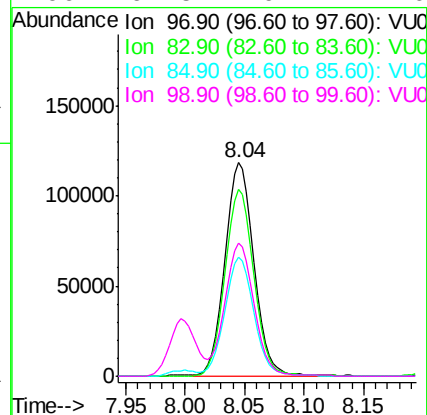
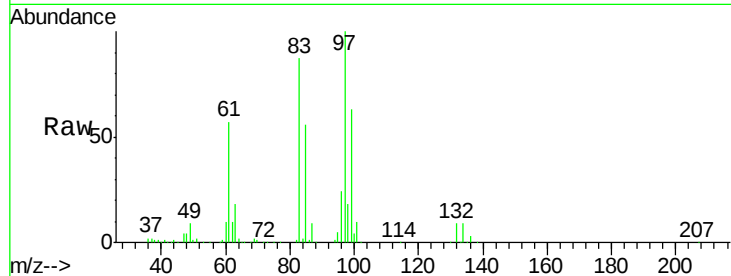
#55  
 1,1,2-Trichloroethane  
 Concen: 57.353 ug/l  
 RT: 8.04 min Scan# 2163  
 Delta R.T. -0.00 min  
 Lab File: VU034519.D  
 Acq: 12 Sep 2019 14:38

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 97      | 100  |       | 198213 |       |       |
| 83      | 87.3 | 69.0  | 103.6  |       |       |
| 85      | 55.8 | 44.2  | 66.2   |       |       |
| 99      | 62.5 | 49.4  | 74.0   |       |       |

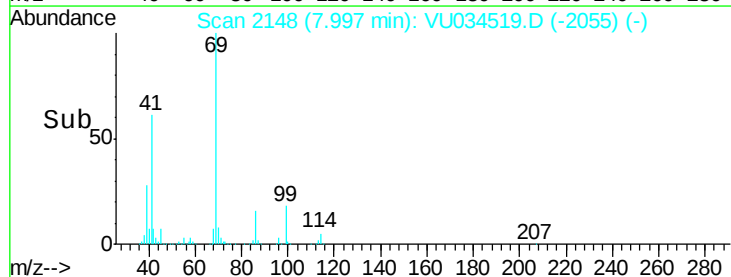
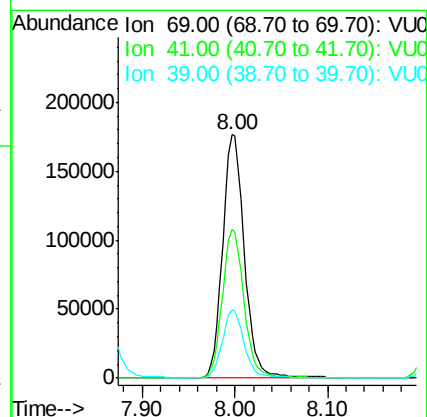
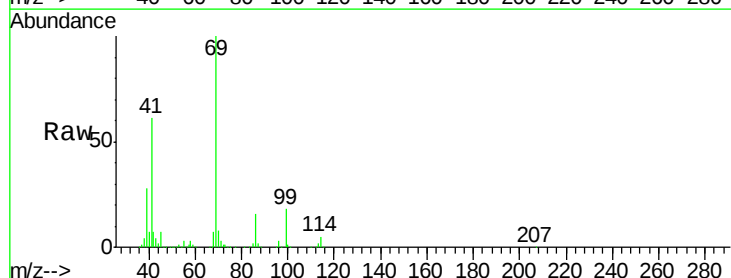
Manual Integrations  
 APPROVED

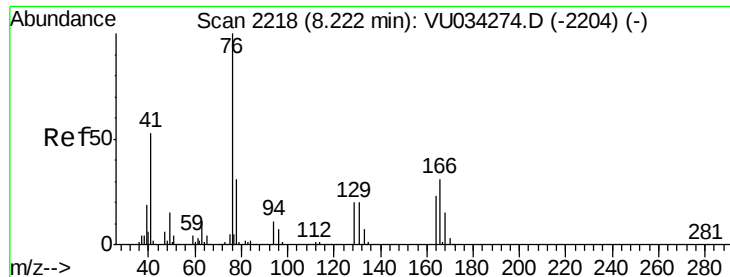
MMDadoda  
 9/16/2019 11:16:44 AM



#56  
 Ethyl methacrylate  
 Concen: 54.623 ug/l  
 RT: 8.00 min Scan# 2148  
 Delta R.T. -0.00 min  
 Lab File: VU034519.D  
 Acq: 12 Sep 2019 14:38

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 69      | 100  |       | 288398 |       |       |
| 41      | 60.2 | 49.5  | 74.3   |       |       |
| 39      | 27.6 | 22.5  | 33.7   |       |       |





#57

1,3-Dichloropropane

Concen: 56.916 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 320300

Ion Ratio Lower Upper

76 100

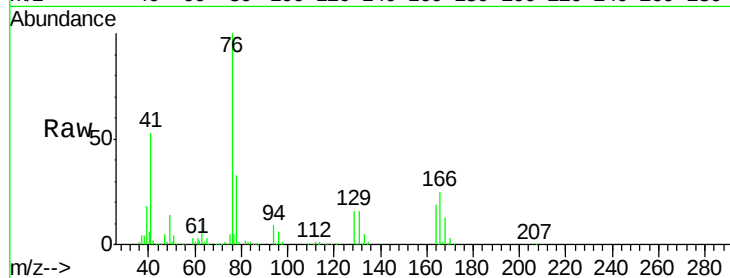
78 32.5 25.4 38.2

Manual Integrations

APPROVED

MMDadoda

9/16/2019 11:16:44 AM



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

8.22

200000

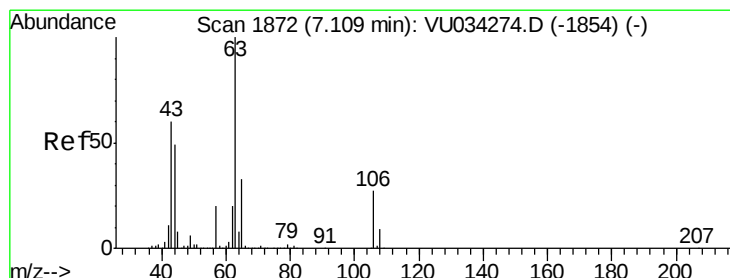
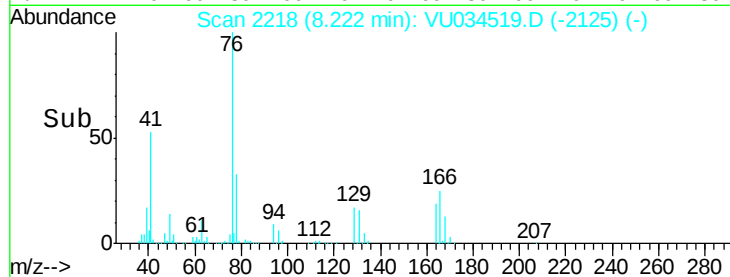
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 254.647 ug/l

RT: 7.11 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VU034519.D

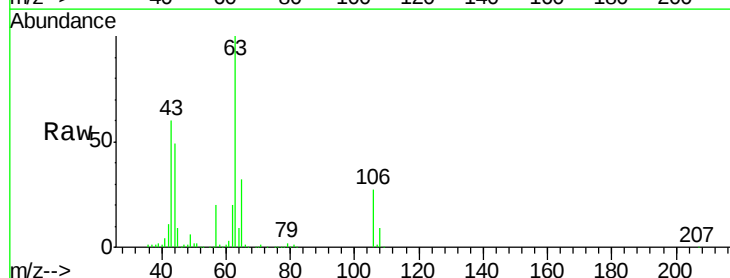
Acq: 12 Sep 2019 14:38

Tgt Ion: 63 Resp: 452948

Ion Ratio Lower Upper

63 100

106 27.1 21.6 32.4



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

7.11

300000

250000

200000

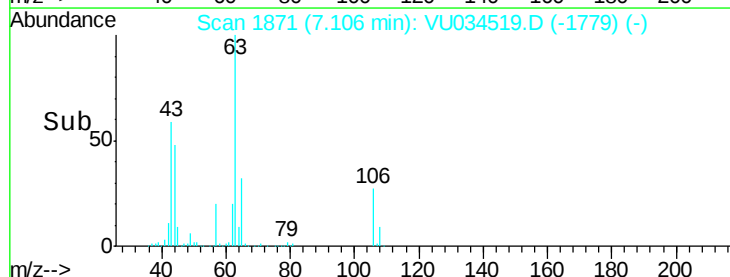
150000

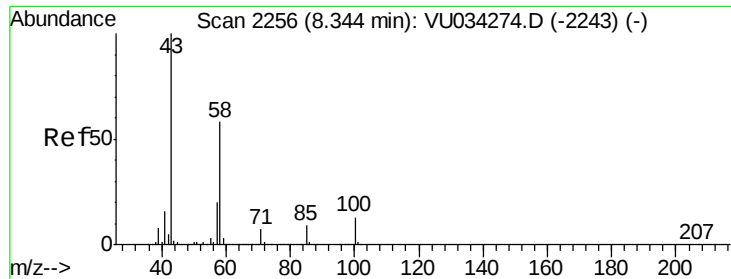
100000

50000

0

Time-->





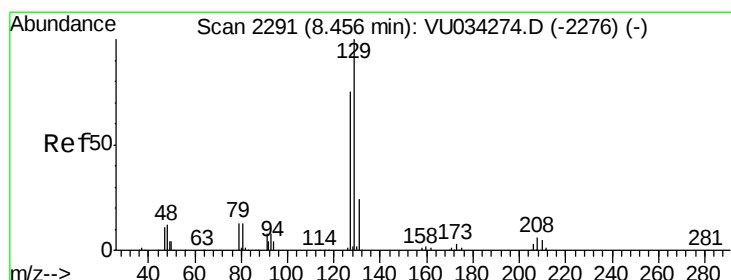
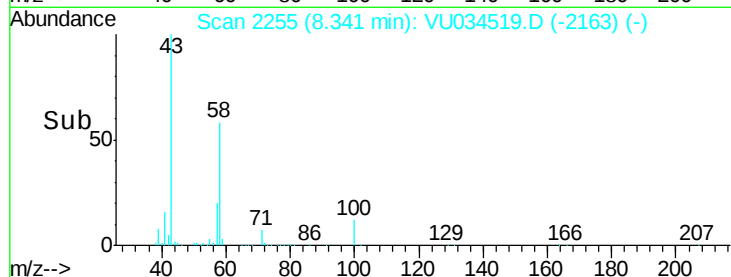
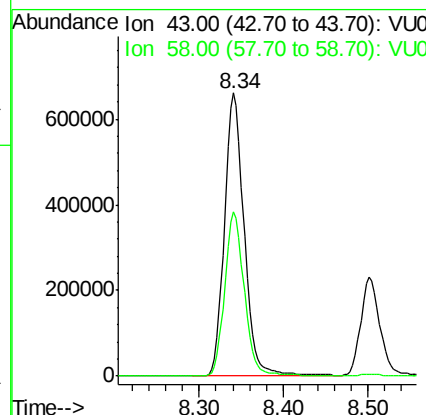
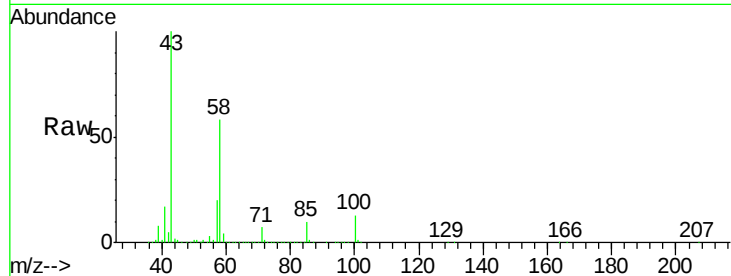
#59  
2-Hexanone  
Concen: 300.514 ug/l  
RT: 8.34 min Scan# 2255  
Delta R.T. -0.00 min  
Lab File: VU034519.D  
Acq: 12 Sep 2019 14:38

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 1077722  
Ion Ratio Lower Upper  
43 100  
58 57.5 28.8 86.5

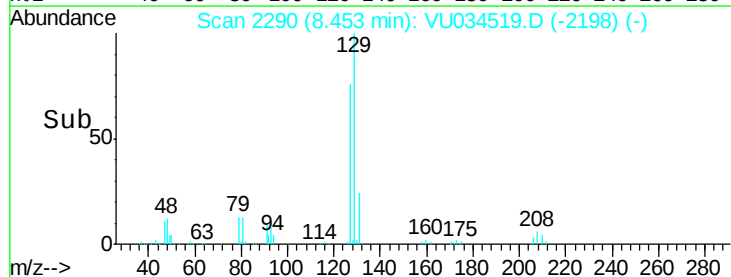
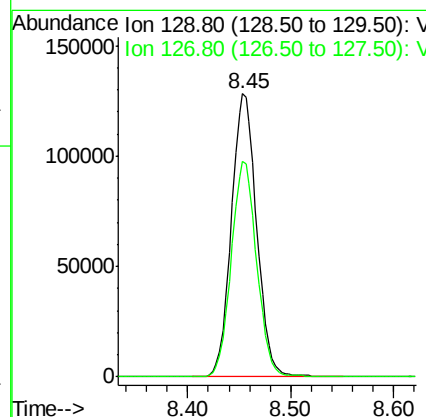
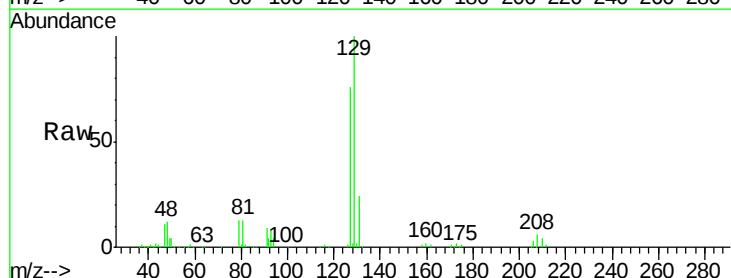
Manual Integrations  
APPROVED

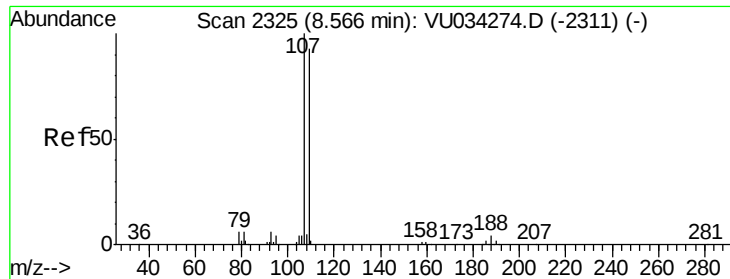
MMDadoda  
9/16/2019 11:16:44 AM



#60  
Dibromochloromethane  
Concen: 59.236 ug/l  
RT: 8.45 min Scan# 2290  
Delta R.T. -0.00 min  
Lab File: VU034519.D  
Acq: 12 Sep 2019 14:38

Tgt Ion: 129 Resp: 219583  
Ion Ratio Lower Upper  
129 100  
127 76.2 37.9 113.7





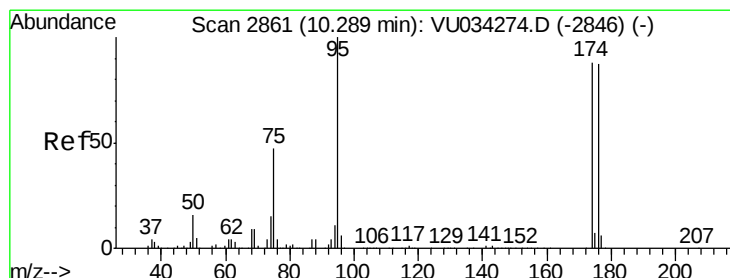
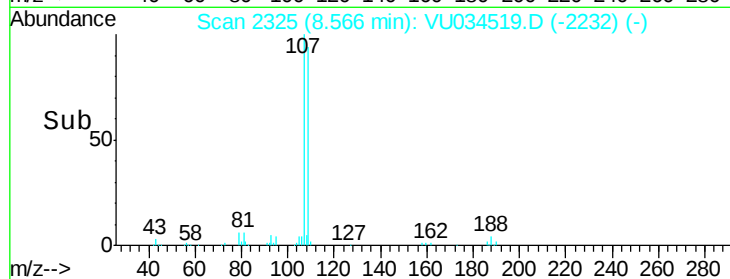
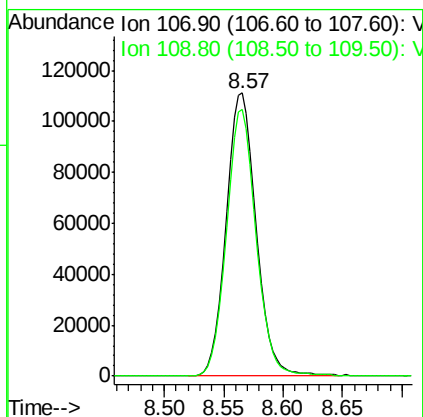
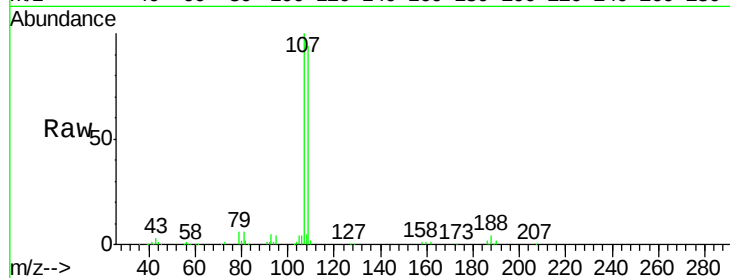
#61  
 1,2-Dibromoethane  
 Concen: 57.530 ug/l  
 RT: 8.57 min Scan# 2325  
 Delta R.T. 0.00 min  
 Lab File: VU034519.D  
 Acq: 12 Sep 2019 14:38

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 93.0  | 75.0  | 112.6 |

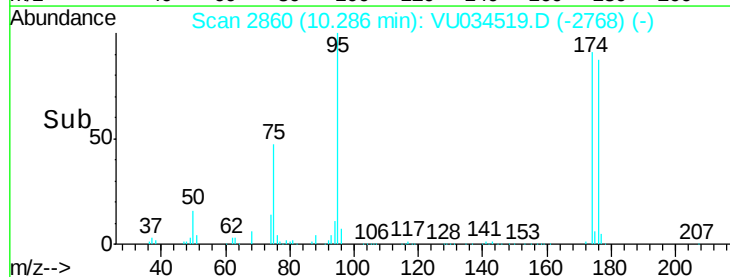
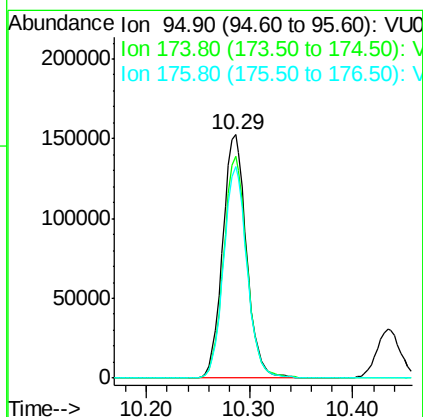
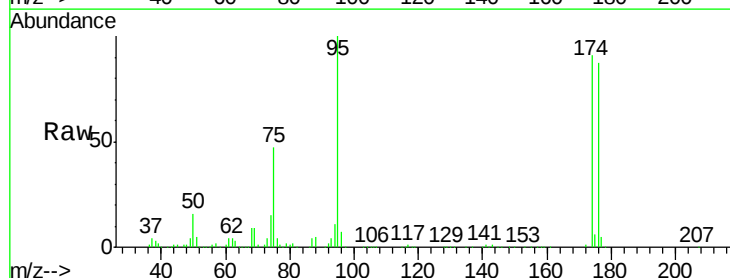
Manual Integrations  
 APPROVED

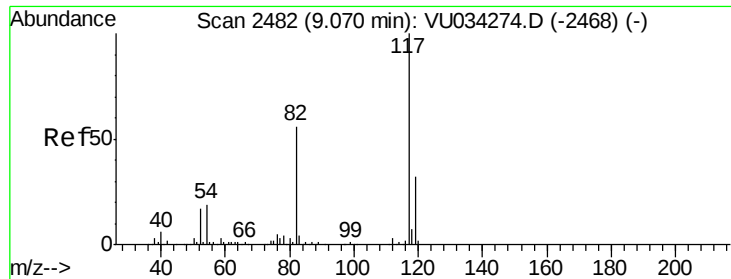
MMDadoda  
 9/16/2019 11:16:44 AM



#62  
 4-Bromofluorobenzene  
 Concen: 52.427 ug/l  
 RT: 10.29 min Scan# 2860  
 Delta R.T. -0.00 min  
 Lab File: VU034519.D  
 Acq: 12 Sep 2019 14:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 89.2  | 0.0   | 175.2 |
| 176     | 85.4  | 0.0   | 168.0 |





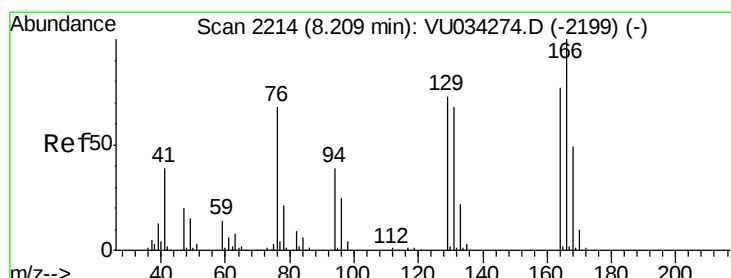
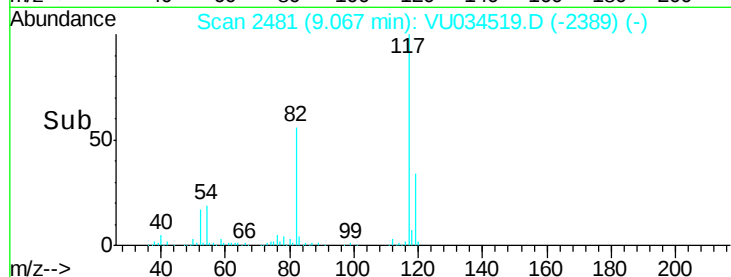
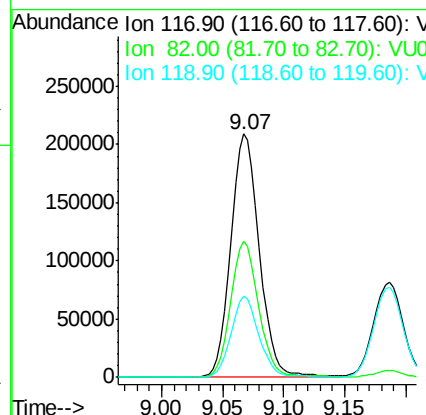
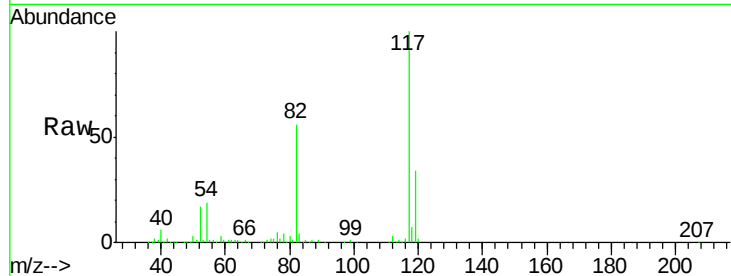
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.07 min Scan# 2481  
Delta R.T. -0.00 min  
Lab File: VU034519.D  
Acq: 12 Sep 2019 14:38

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 343944 |       |       |
| 82      | 55.9  |        | 44.6  | 67.0  |
| 119     | 33.5  |        | 25.9  | 38.9  |

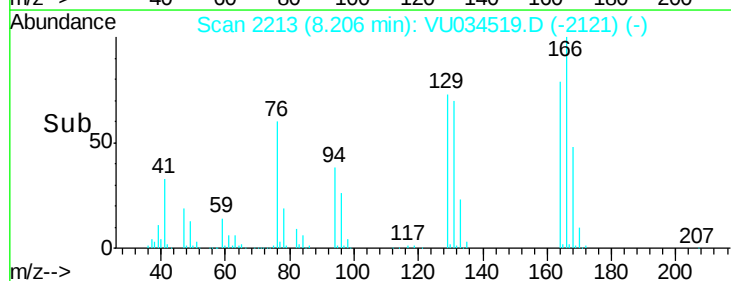
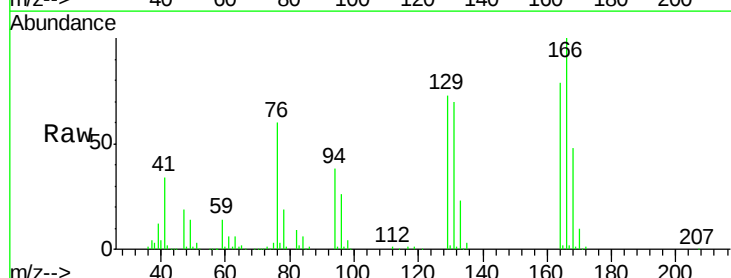
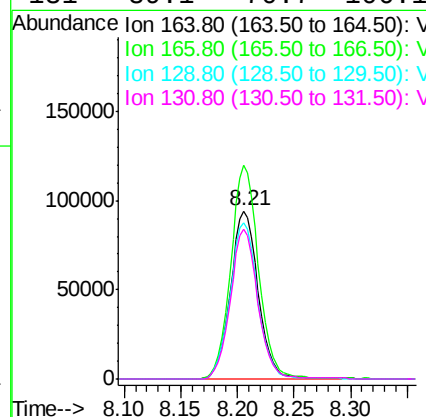
Manual Integrations  
APPROVED

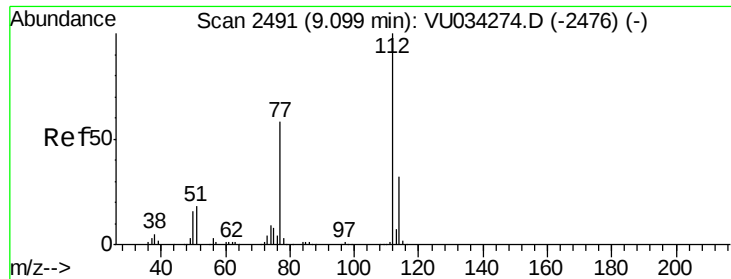
MMDadoda  
9/16/2019 11:16:44 AM



#64  
Tetrachloroethene  
Concen: 53.964 ug/l  
RT: 8.21 min Scan# 2213  
Delta R.T. -0.00 min  
Lab File: VU034519.D  
Acq: 12 Sep 2019 14:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 161023 |       |       |
| 166     | 127.1 |        | 103.7 | 155.5 |
| 129     | 93.3  |        | 75.8  | 113.8 |
| 131     | 89.1  |        | 70.7  | 106.1 |





#65

Chlorobenzene

Concen: 57.001 ug/l

RT: 9.10 min Scan# 2490

Delta R.T. -0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 497387

Ion Ratio Lower Upper

112 100

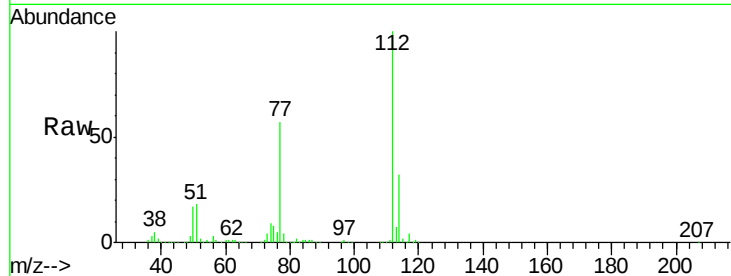
114 31.6 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

9/16/2019 11:16:44 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

300000

200000

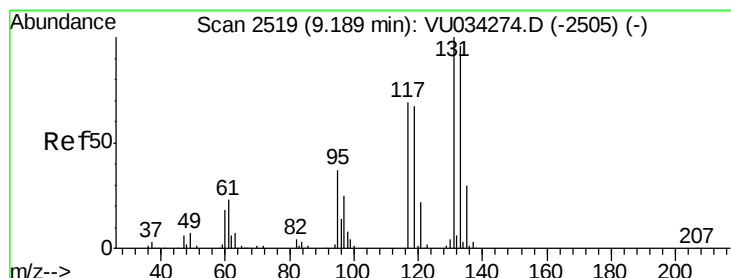
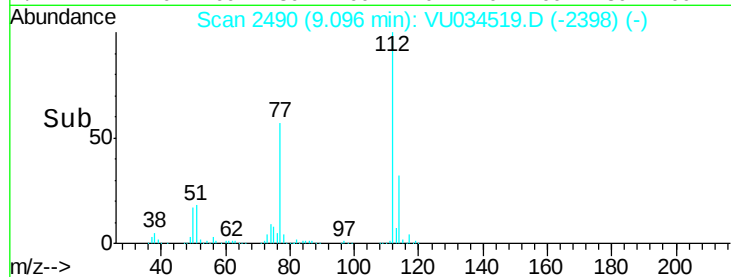
100000

0

9.10

9.00 9.10 9.20

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 57.703 ug/l

RT: 9.19 min Scan# 2518

Delta R.T. -0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

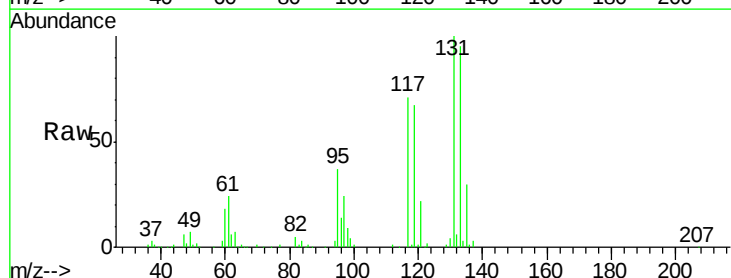
Tgt Ion:131 Resp: 192160

Ion Ratio Lower Upper

131 100

133 94.8 47.9 143.7

119 67.2 33.1 99.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

150000

100000

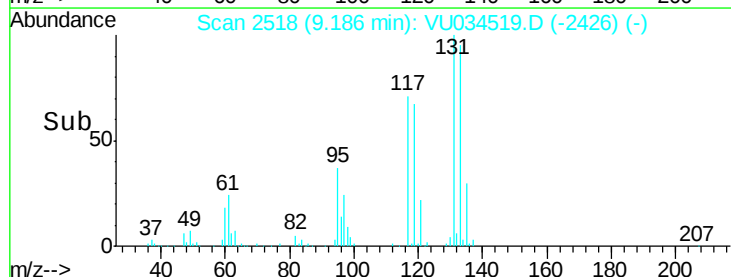
50000

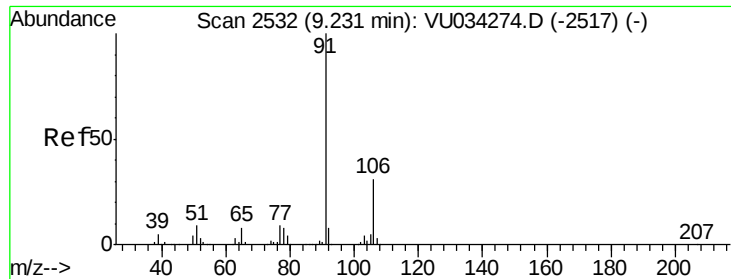
0

9.19

9.10 9.15 9.20 9.25 9.30

Time-->





#67

Ethyl Benzene

Concen: 58.288 ug/l

RT: 9.23 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 831630

Ion Ratio Lower Upper

91 100

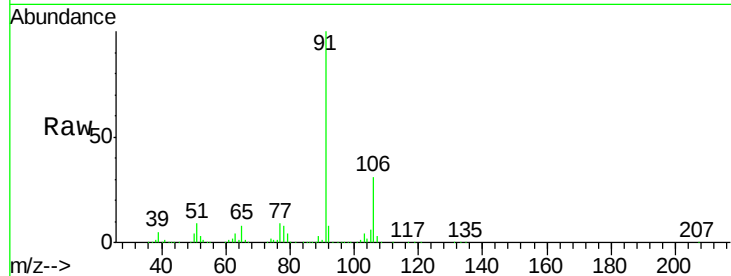
106 31.5 24.8 37.2

Manual Integrations

APPROVED

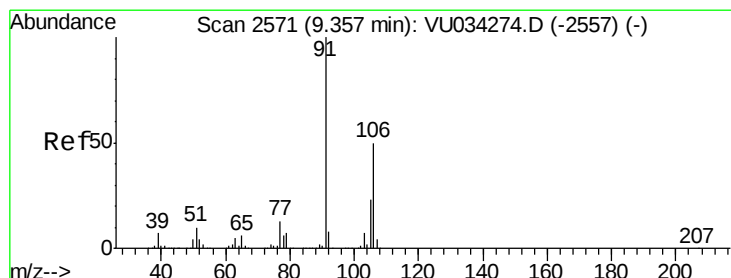
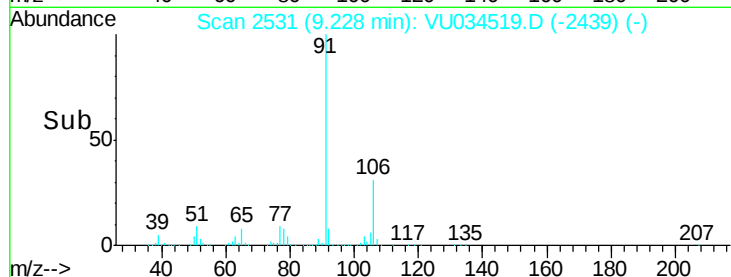
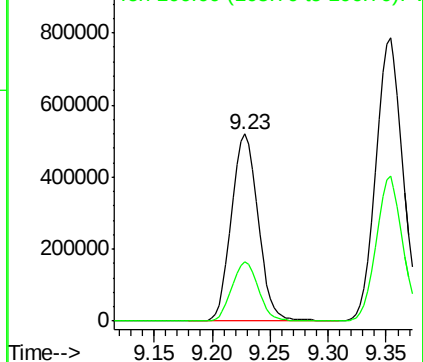
MMDadoda

9/16/2019 11:16:44 AM



Abundance Ion 91.00 (90.70 to 91.70): VU034519.D (-2439) (-)

Ion 106.00 (105.70 to 106.70): VU034519.D (-2439) (-)



#68

m/p-Xylenes

Concen: 121.256 ug/l

RT: 9.35 min Scan# 2570

Delta R.T. -0.00 min

Lab File: VU034519.D

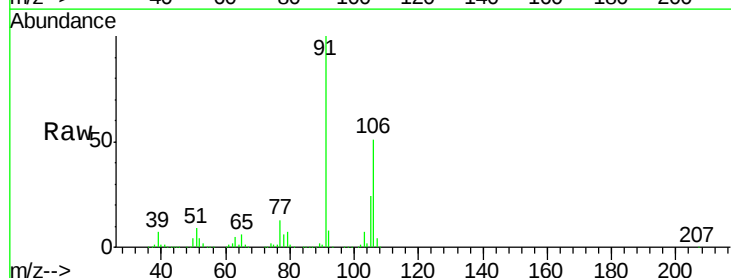
Acq: 12 Sep 2019 14:38

Tgt Ion: 106 Resp: 651461

Ion Ratio Lower Upper

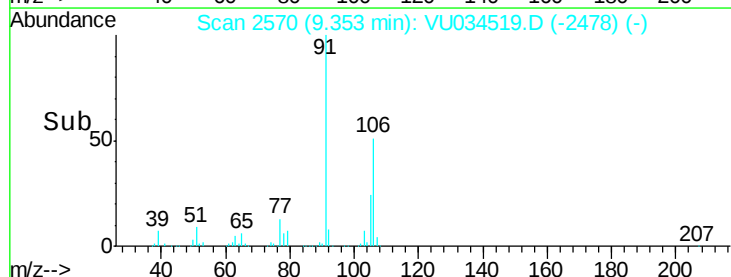
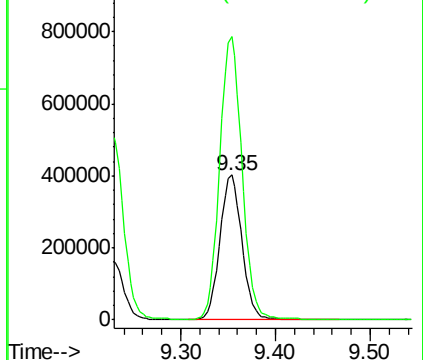
106 100

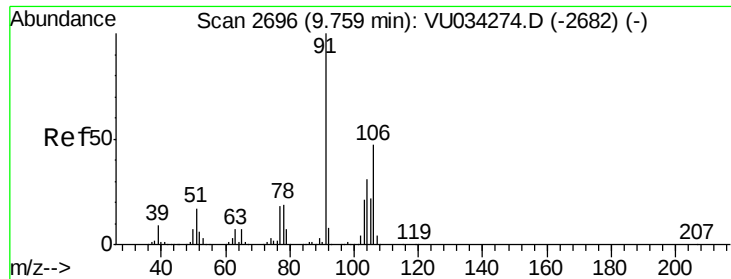
91 198.8 160.1 240.1



Abundance Ion 106.00 (105.70 to 106.70): VU034519.D (-2478) (-)

Ion 91.00 (90.70 to 91.70): VU034519.D (-2478) (-)





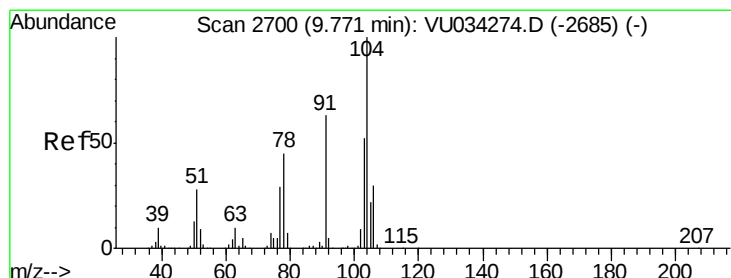
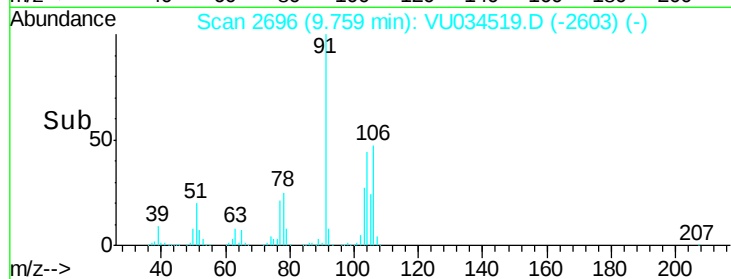
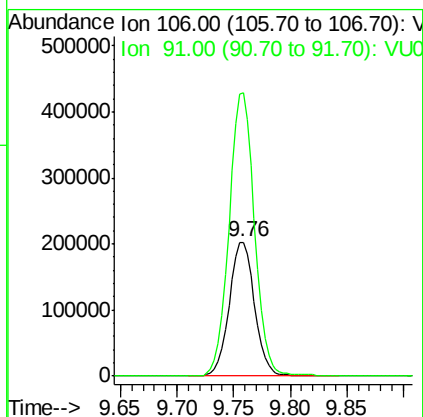
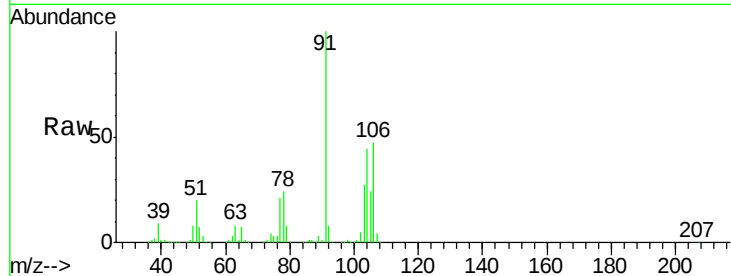
#69  
o-Xylene  
Concen: 60.230 ug/l  
RT: 9.76 min Scan# 2696  
Delta R.T. 0.00 min  
Lab File: VU034519.D  
Acq: 12 Sep 2019 14:38

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 106     | 106 | 100   | 316457 |       |       |
| 91      | 91  | 211.8 | 105.1  | 315.3 |       |

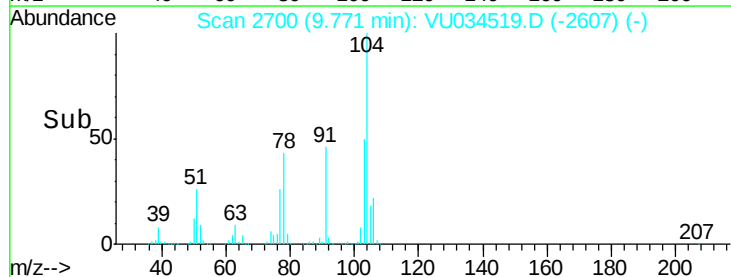
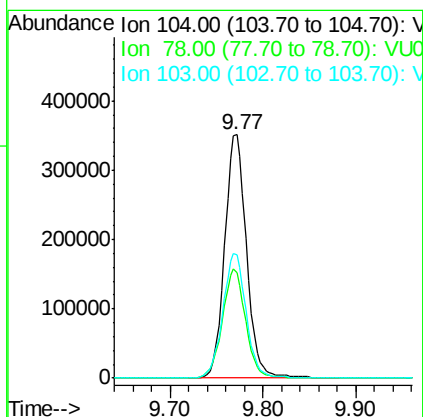
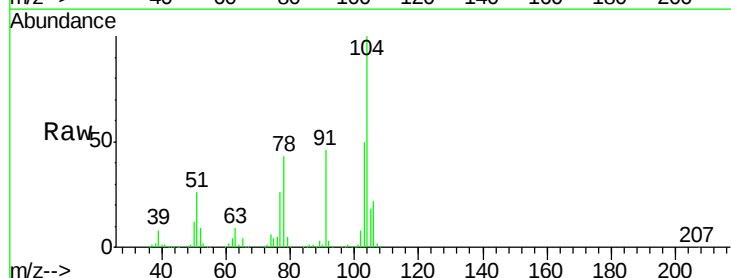
Manual Integrations  
APPROVED

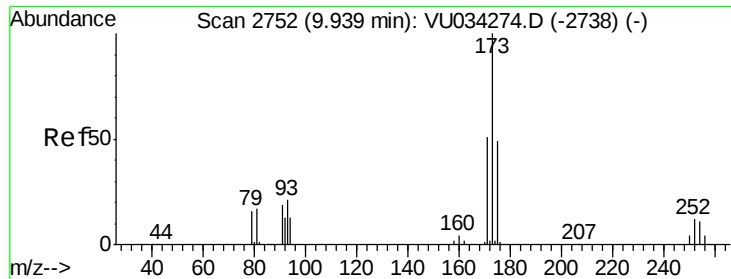
MMDadoda  
9/16/2019 11:16:44 AM



#70  
Styrene  
Concen: 62.397 ug/l  
RT: 9.77 min Scan# 2700  
Delta R.T. 0.00 min  
Lab File: VU034519.D  
Acq: 12 Sep 2019 14:38

| Tgt Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 104     | 104 | 100   | 574798 |       |       |
| 78      | 78  | 47.8  | 38.6   | 57.8  |       |
| 103     | 103 | 54.6  | 44.2   | 66.4  |       |





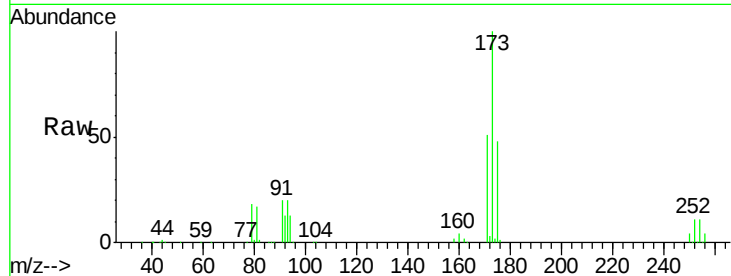
#71  
Bromoform  
Concen: 60.463 ug/l  
RT: 9.94 min Scan# 2751  
Delta R.T. -0.00 min  
Lab File: VU034519.D  
Acq: 12 Sep 2019 14:38

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

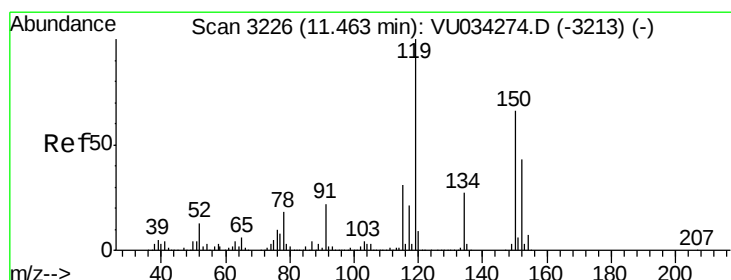
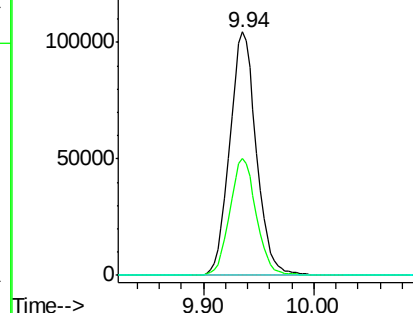
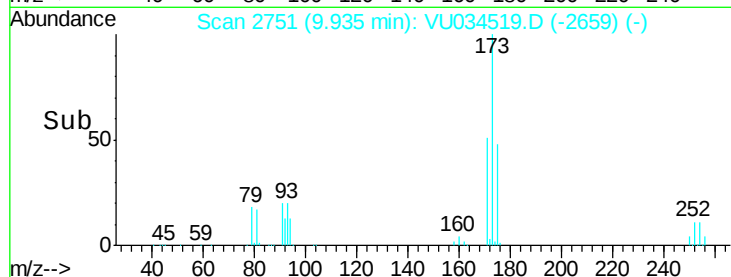
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 47.9  | 24.4  | 73.2  |
| 254     | 0.2   | 0.0   | 0.0#  |

Manual Integrations  
APPROVED

MMDadoda  
9/16/2019 11:16:44 AM

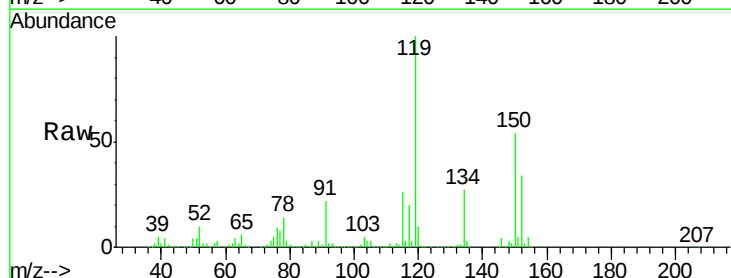


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

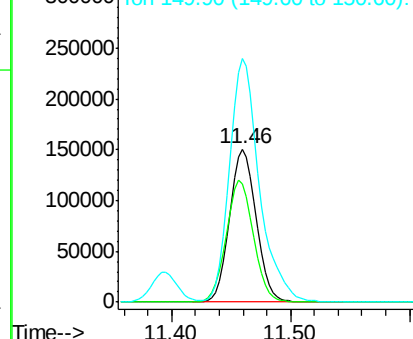
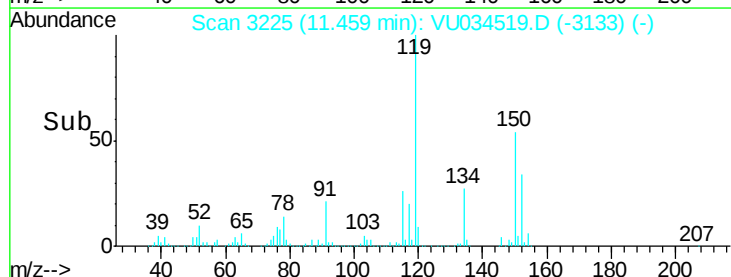


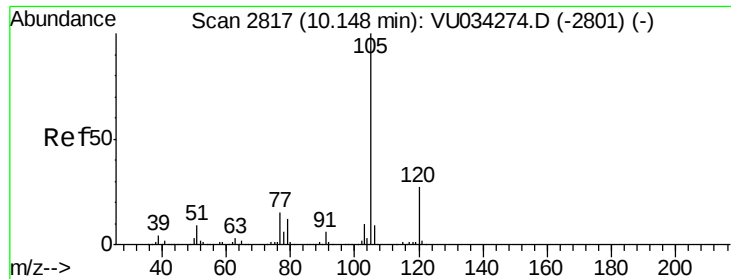
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.46 min Scan# 3225  
Delta R.T. -0.00 min  
Lab File: VU034519.D  
Acq: 12 Sep 2019 14:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 81.5  | 39.1  | 117.3 |
| 150     | 177.5 | 0.0   | 345.4 |



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 57.865 ug/l

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 880396

Ion Ratio Lower Upper

105 100

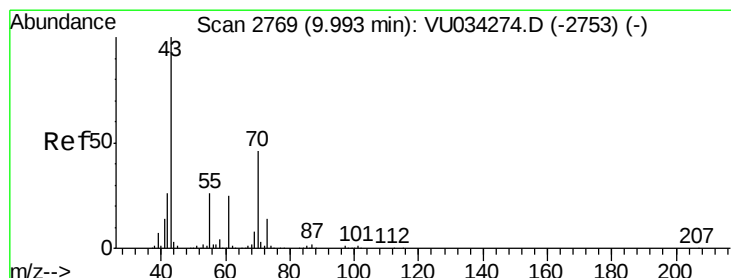
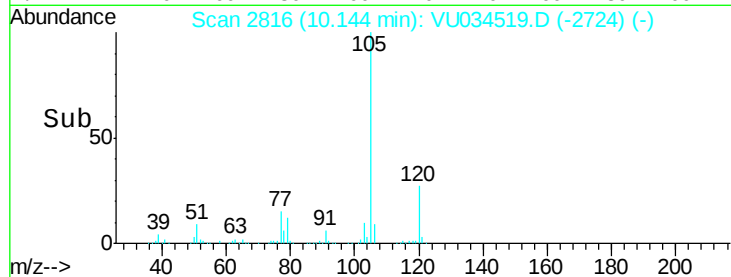
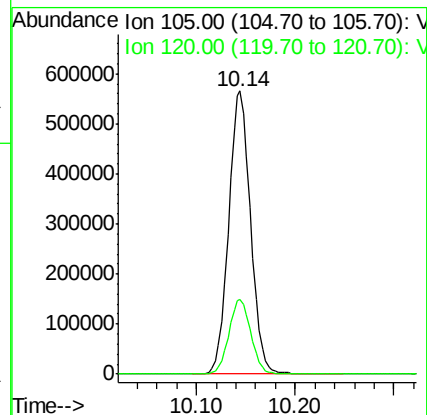
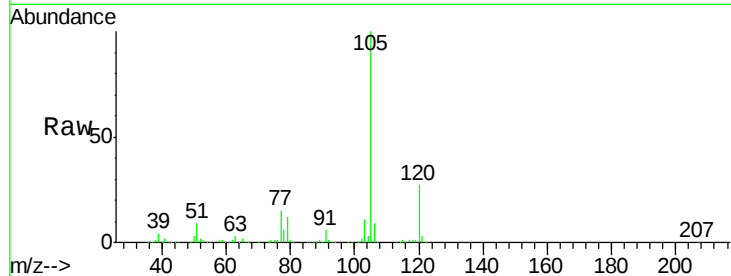
120 26.5 13.4 40.2

Manual Integrations

APPROVED

MMDadoda

9/16/2019 11:16:44 AM



#74

N-ethyl acetate

Concen: 59.717 ug/l

RT: 9.99 min Scan# 2768

Delta R.T. -0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

Tgt Ion: 43 Resp: 365725

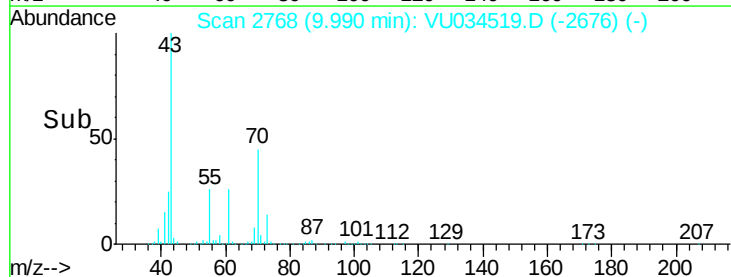
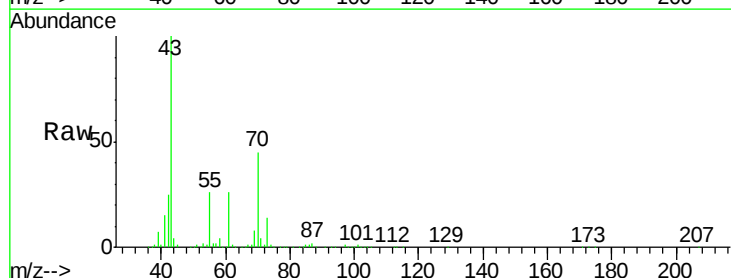
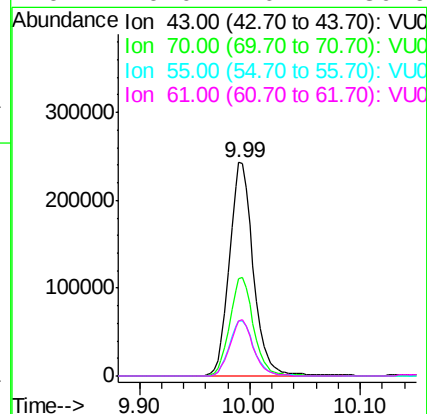
Ion Ratio Lower Upper

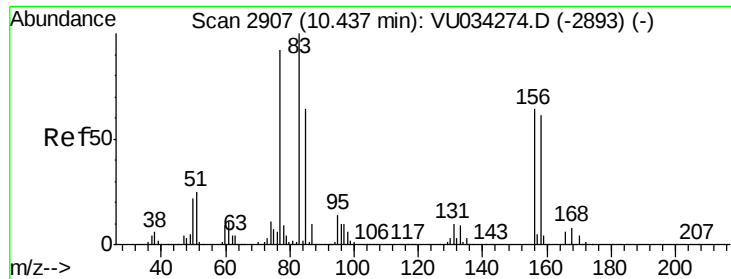
43 100

70 46.0 36.4 54.6

55 26.9 21.2 31.8

61 26.0 20.4 30.6





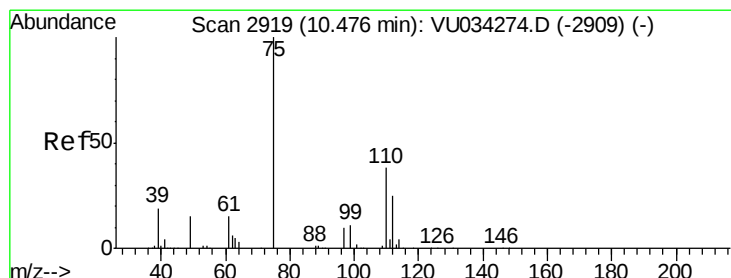
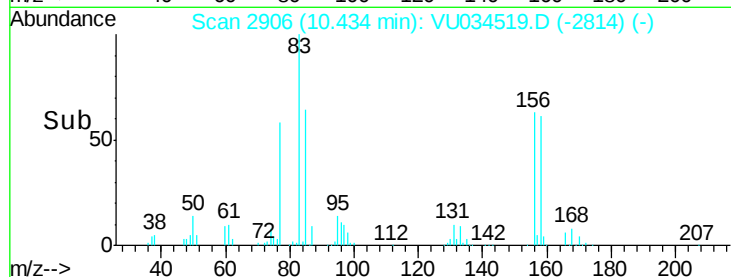
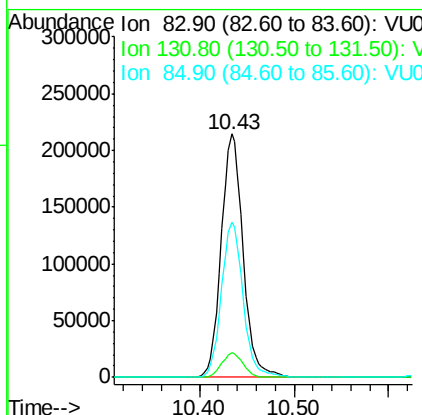
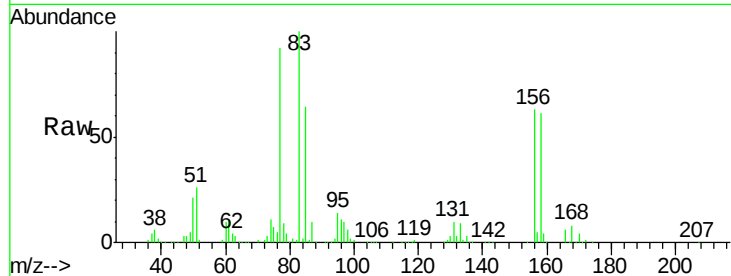
#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 55.922 ug/l  
 RT: 10.43 min Scan# 2906  
 Delta R.T. -0.00 min  
 Lab File: VU034519.D  
 Acq: 12 Sep 2019 14:38

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion   | 83    | Resp  | 344397 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 9.8   | 5.1   | 15.2   |
| 85        | 63.4  | 32.0  | 96.2   |

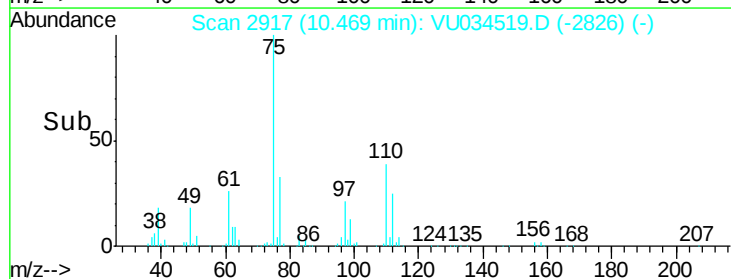
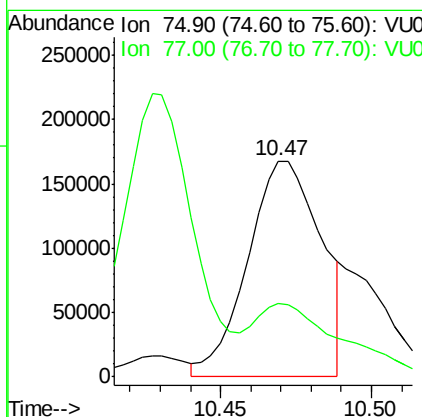
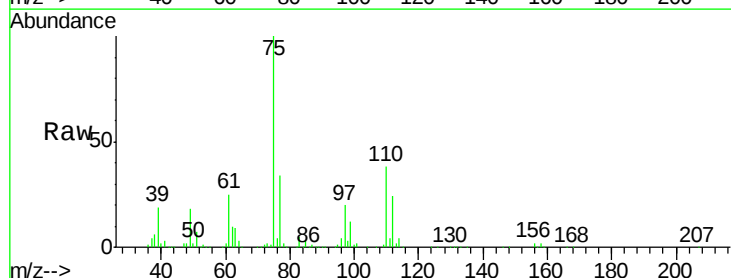
Manual Integrations  
 APPROVED

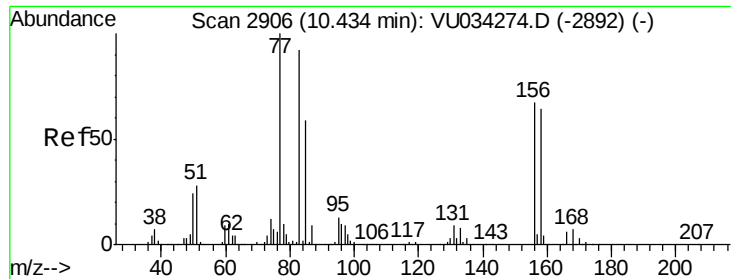
MMDadoda  
 9/16/2019 11:16:44 AM



#76  
 1,2,3-Trichloropropane  
 Concen: 55.445 ug/l m  
 RT: 10.47 min Scan# 2917  
 Delta R.T. -0.01 min  
 Lab File: VU034519.D  
 Acq: 12 Sep 2019 14:38

| Tgt Ion   | 75    | Resp  | 282947 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 41.3  | 20.8  | 62.2   |





#77

Bromobenzene

Concen: 56.305 ug/l

RT: 10.43 min Scan# 2905

Delta R.T. -0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

Instrument :

MSVOA\_U

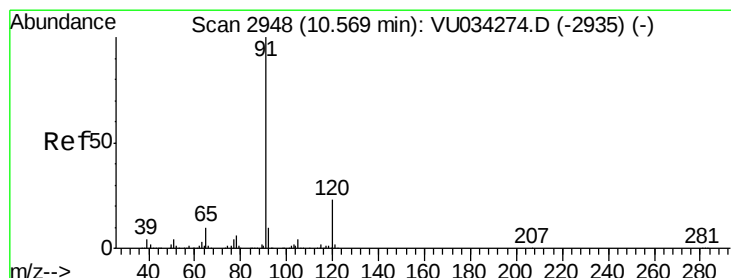
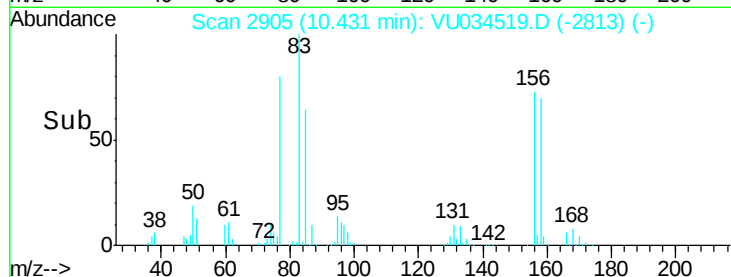
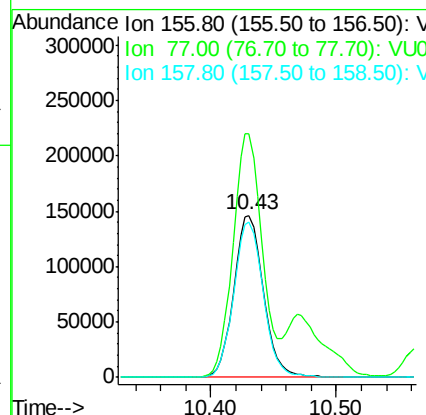
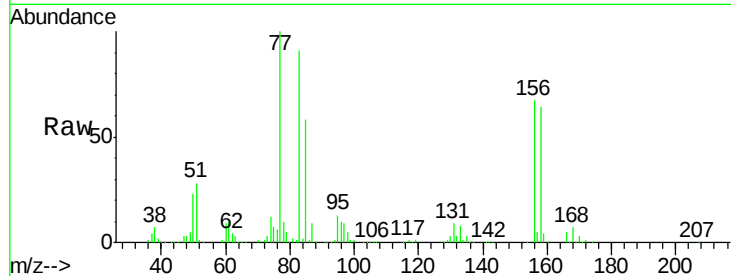
ClientSampleId :

VSTDCCC050EC

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 156     | 100   |       | 239532 |       |       |
| 77      | 149.7 | 75.6  | 226.9  |       |       |
| 158     | 96.3  | 48.2  | 144.6  |       |       |

Manual Integrations  
APPROVED

MMDadoda  
9/16/2019 11:16:44 AM



#78

n-propylbenzene

Concen: 58.084 ug/l

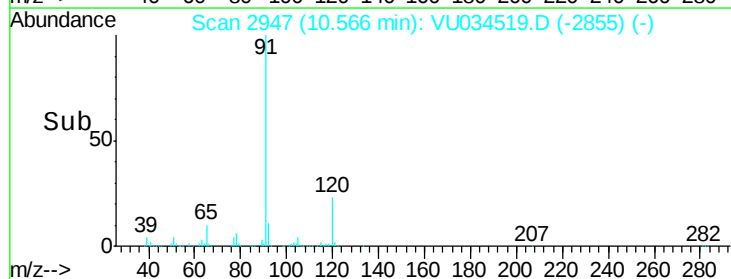
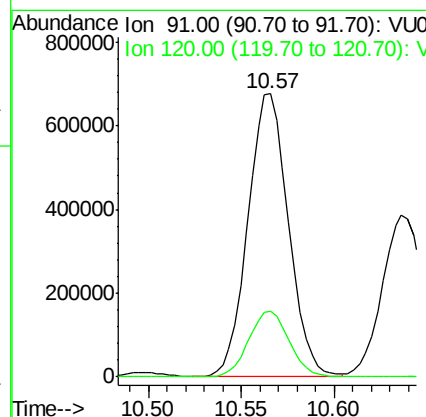
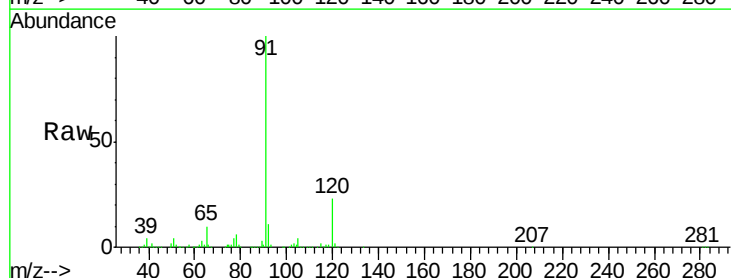
RT: 10.57 min Scan# 2947

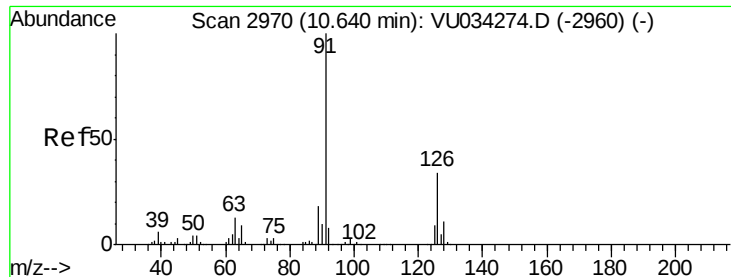
Delta R.T. -0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

| Tgt Ion | Ion  | Ratio | Resp    | Lower | Upper |
|---------|------|-------|---------|-------|-------|
| 91      | 100  |       | 1020618 |       |       |
| 120     | 23.4 | 11.7  | 35.0    |       |       |





#79

2-Chlorotoluene

Concen: 57.252 ug/l

RT: 10.64 min Scan# 2969

Delta R.T. -0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 613820

Ion Ratio Lower Upper

91 100

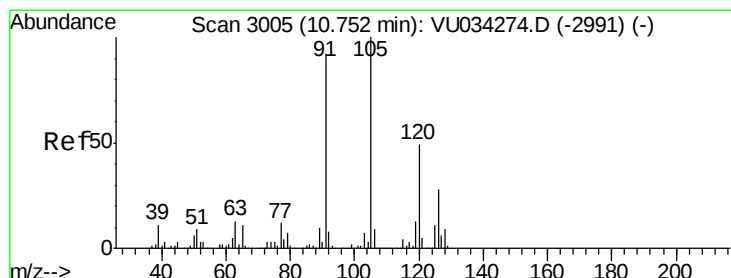
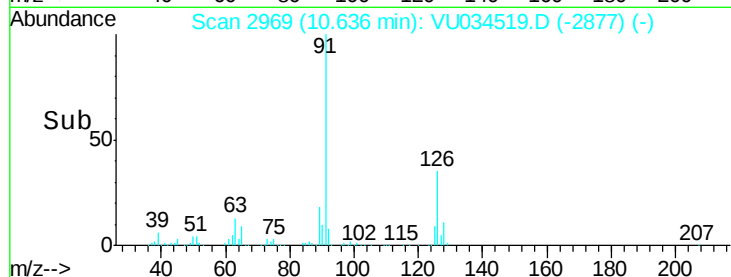
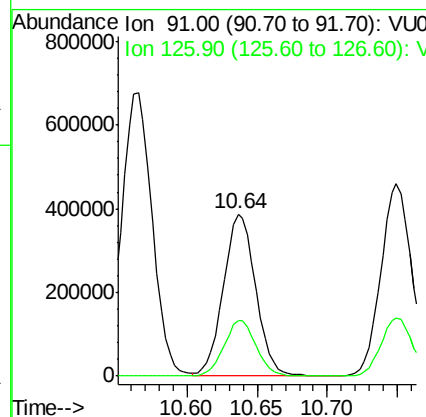
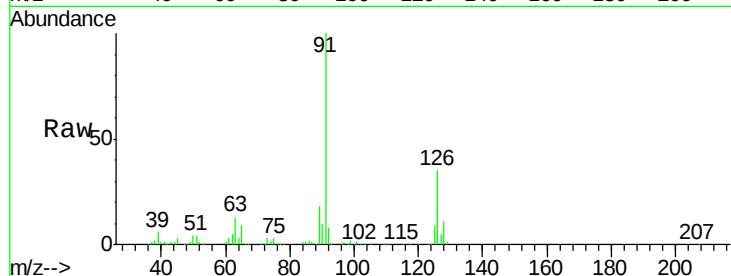
126 34.5 17.3 51.9

Manual Integrations

APPROVED

MMDadoda

9/16/2019 11:16:44 AM



#80

1,3,5-Trimethylbenzene

Concen: 60.348 ug/l

RT: 10.75 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VU034519.D

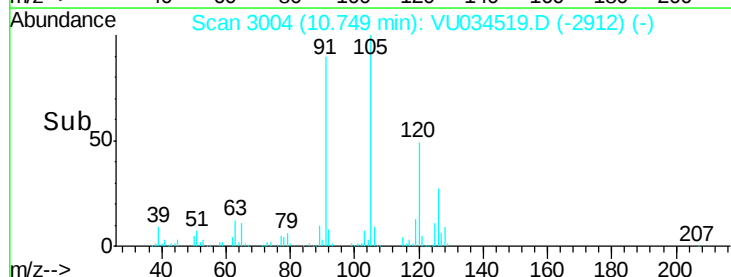
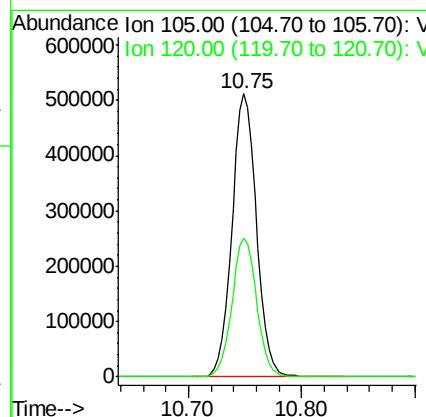
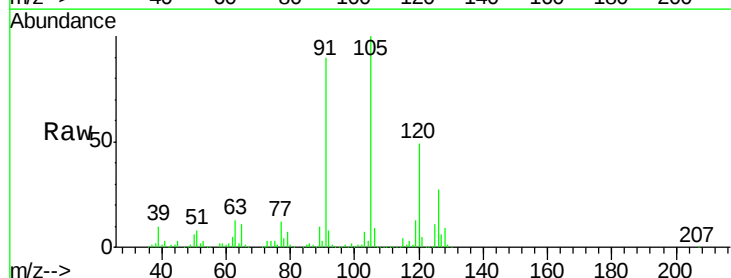
Acq: 12 Sep 2019 14:38

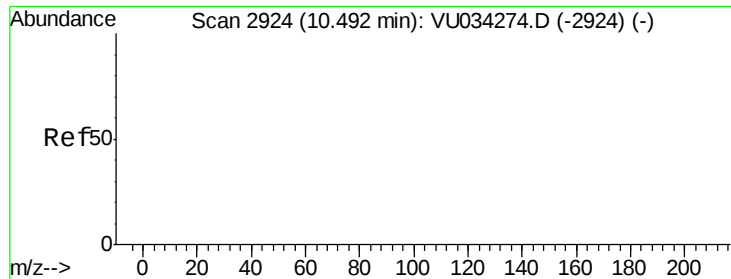
Tgt Ion: 105 Resp: 767896

Ion Ratio Lower Upper

105 100

120 49.6 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 60.985 ug/l m

RT: 10.49 min Scan# 2923

Delta R.T. -0.00 min

Lab File: VU034519.D

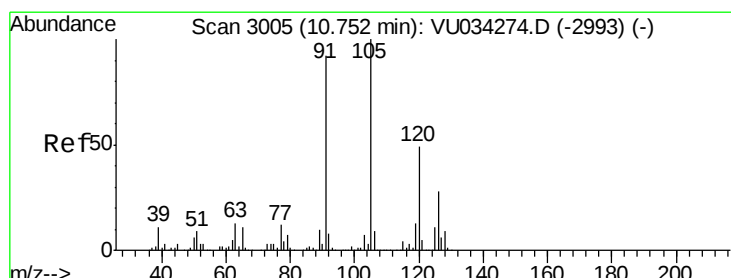
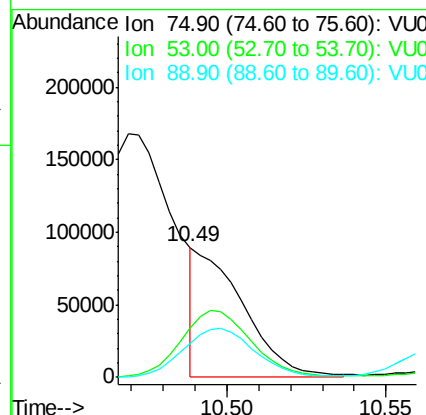
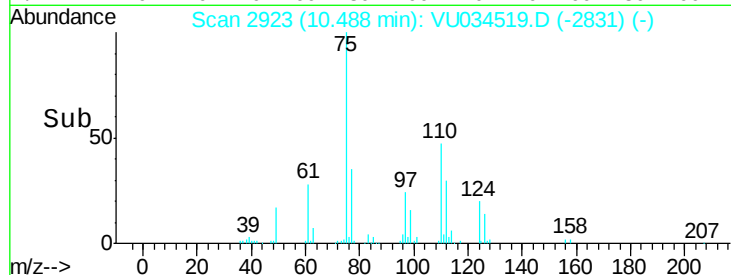
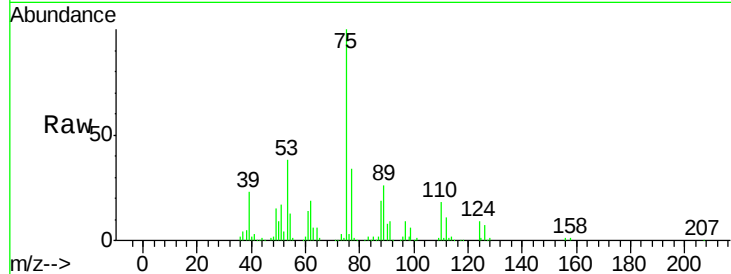
Acq: 12 Sep 2019 14:38

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

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

Manual Integrations  
APPROVED

MMDadoda  
9/16/2019 11:16:44 AM



#82

4-Chlorotoluene

Concen: 57.313 ug/l

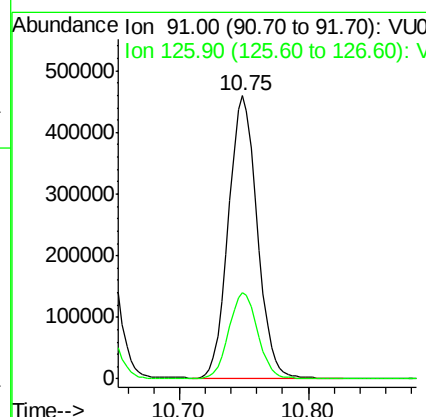
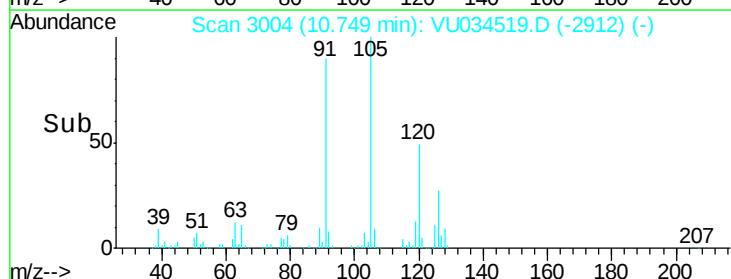
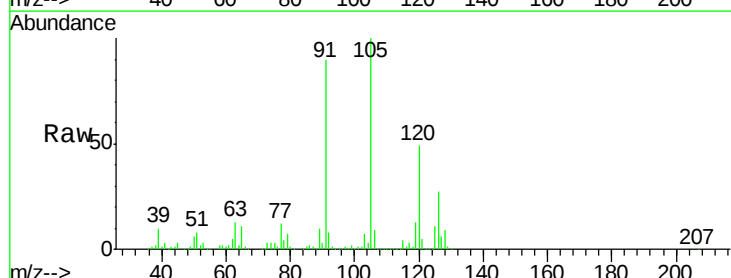
RT: 10.75 min Scan# 3004

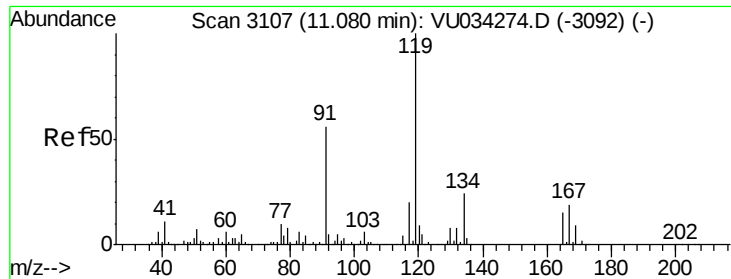
Delta R.T. -0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 30.9  | 15.3  | 45.8  |





#83

tert-Butylbenzene

Concen: 58.255 ug/l

RT: 11.08 min Scan# 3106

Delta R.T. -0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:119 Resp: 741552  
Ion Ratio Lower Upper

119 100

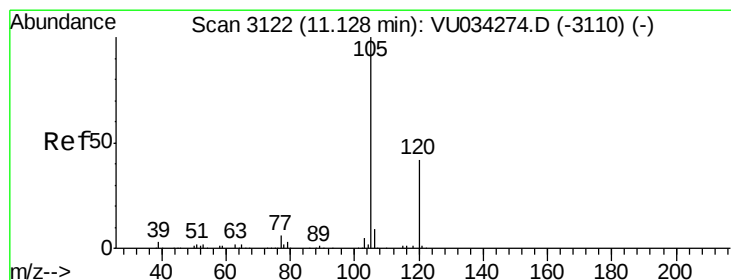
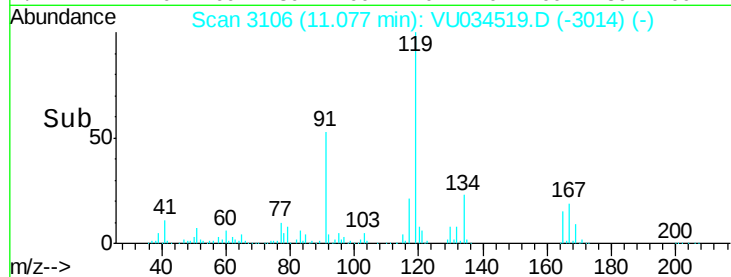
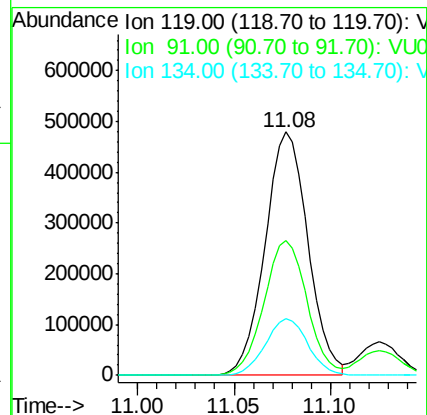
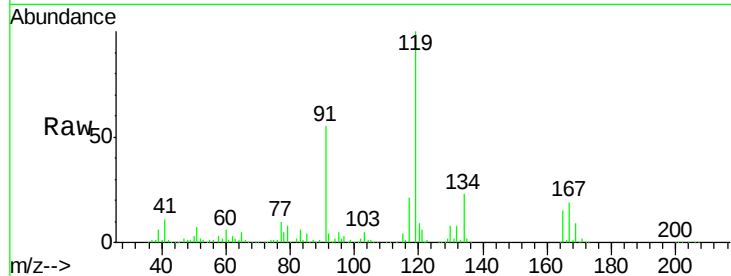
91 55.6 27.8 83.4

134 23.3 11.7 35.0

Manual Integrations  
APPROVED

MMDadoda

9/16/2019 11:16:44 AM



#84

1,2,4-Trimethylbenzene

Concen: 60.003 ug/l

RT: 11.13 min Scan# 3121

Delta R.T. -0.00 min

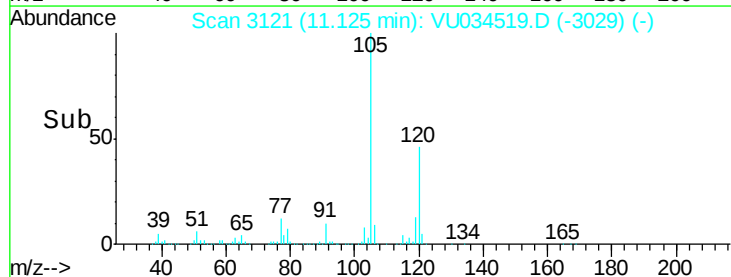
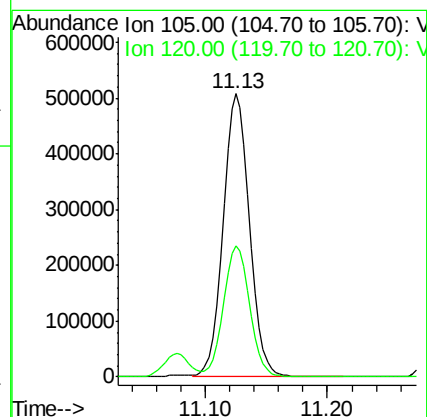
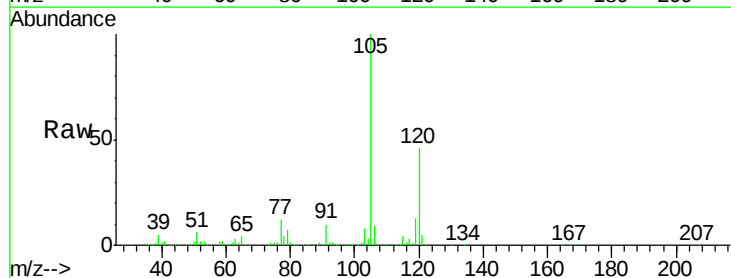
Lab File: VU034519.D

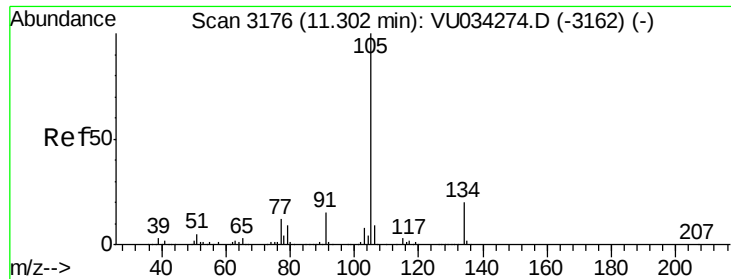
Acq: 12 Sep 2019 14:38

Tgt Ion:105 Resp: 768564  
Ion Ratio Lower Upper

105 100

120 46.3 22.9 68.8





#85

sec-Butylbenzene

Concen: 59.132 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. 0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 888631

Ion Ratio Lower Upper

105 100

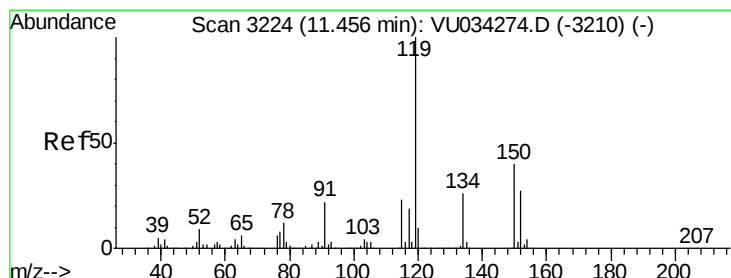
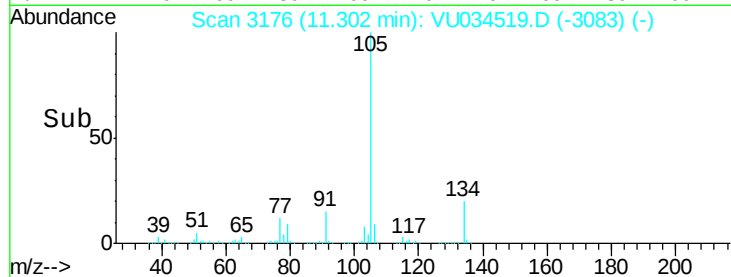
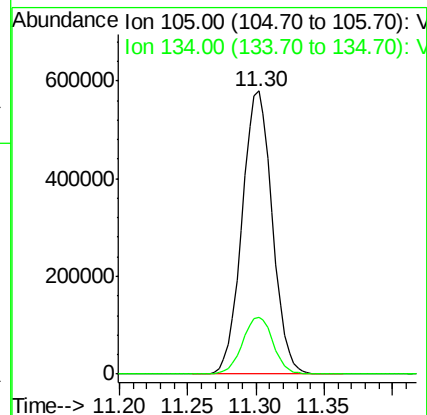
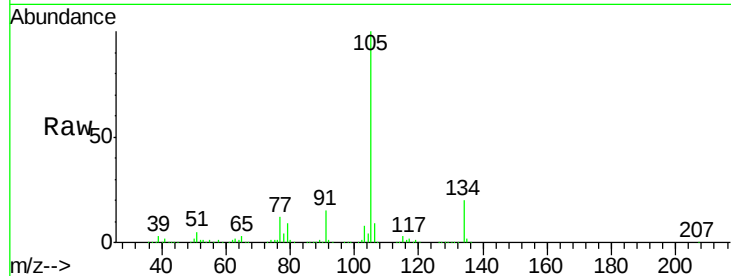
134 20.5 10.1 30.3

Manual Integrations

APPROVED

MMDadoda

9/16/2019 11:16:44 AM



#86

p-Isopropyltoluene

Concen: 59.769 ug/l

RT: 11.45 min Scan# 3223

Delta R.T. -0.00 min

Lab File: VU034519.D

Acq: 12 Sep 2019 14:38

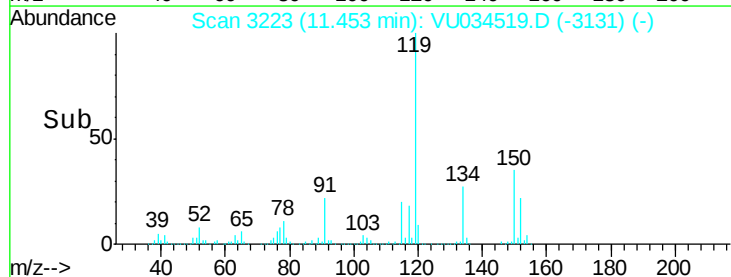
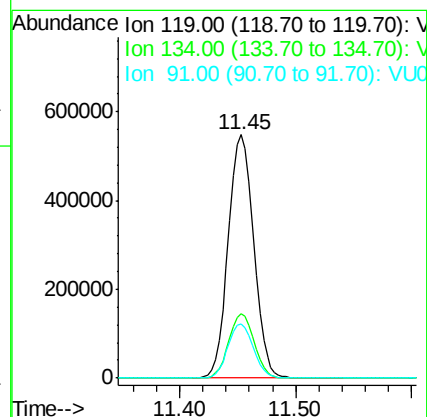
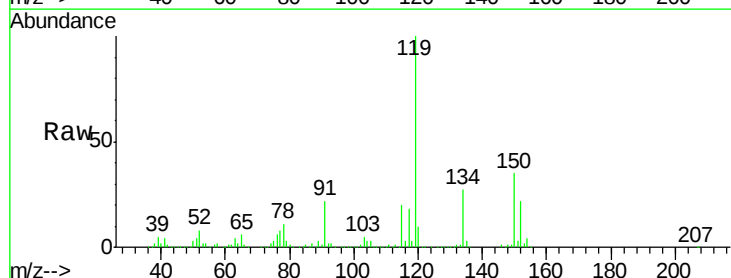
Tgt Ion:119 Resp: 829030

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.8

91 22.2 11.2 33.6





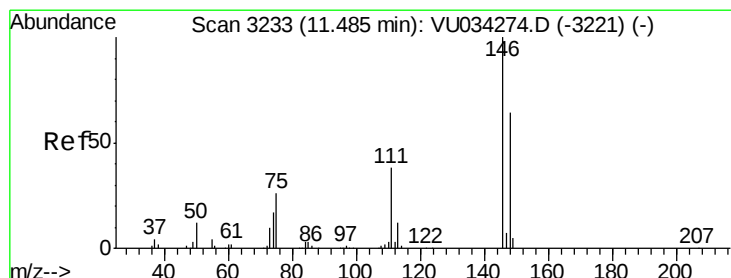
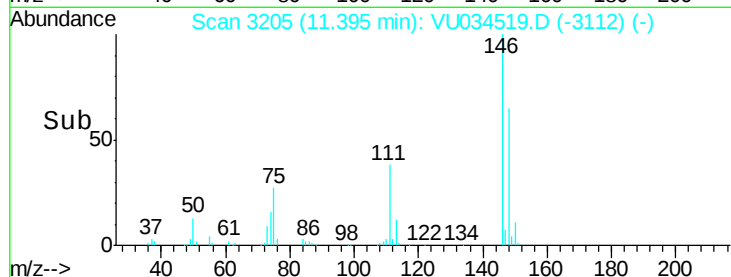
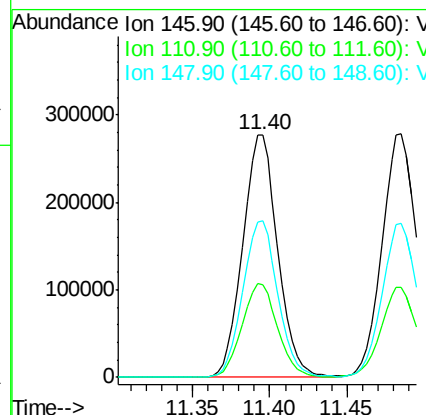
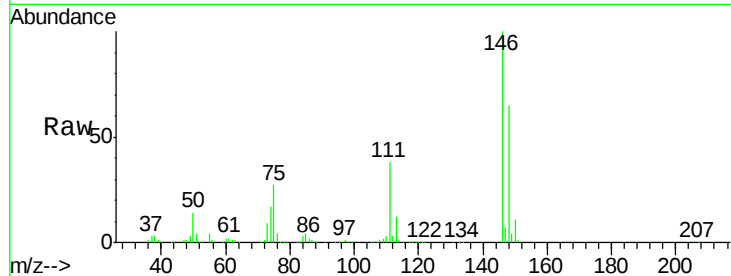
#87  
 1,3-Dichlorobenzene  
 Concen: 56.102 ug/l  
 RT: 11.40 min Scan# 3205  
 Delta R.T. 0.00 min  
 Lab File: VU034519.D  
 Acq: 12 Sep 2019 14:38

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.2  | 19.5  | 58.5  |
| 148     | 64.8  | 32.1  | 96.3  |

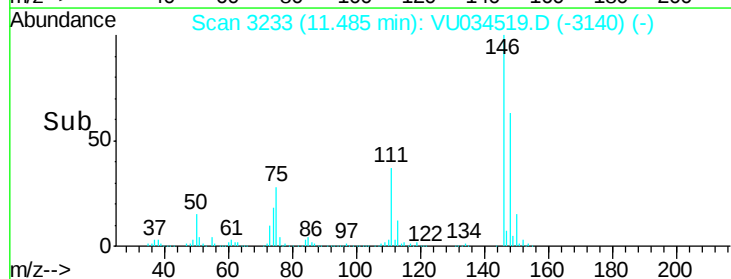
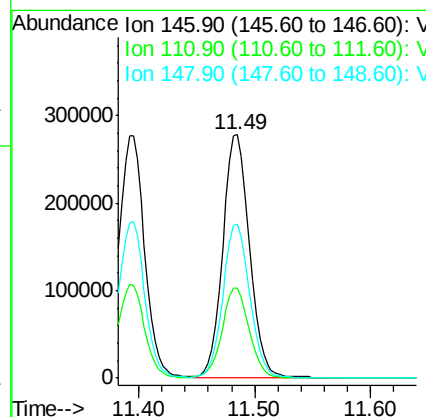
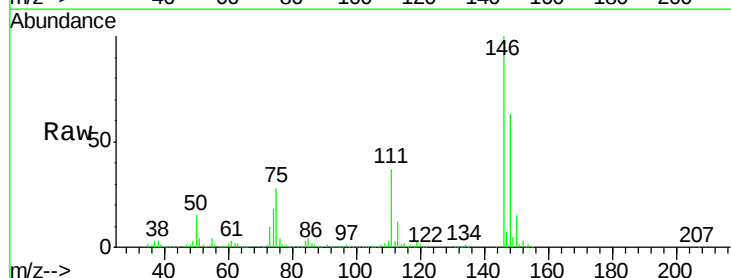
Manual Integrations  
 APPROVED

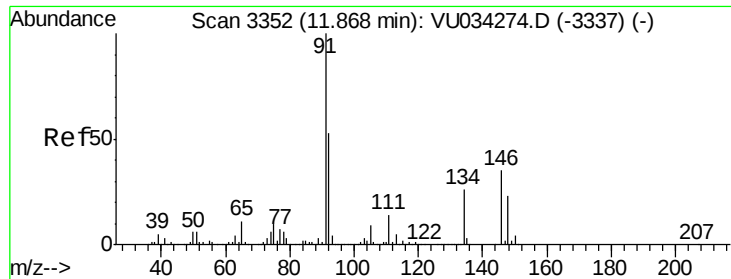
MMDadoda  
 9/16/2019 11:16:44 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 54.847 ug/l  
 RT: 11.49 min Scan# 3233  
 Delta R.T. 0.00 min  
 Lab File: VU034519.D  
 Acq: 12 Sep 2019 14:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.5  | 19.1  | 57.3  |
| 148     | 64.0  | 32.0  | 96.0  |





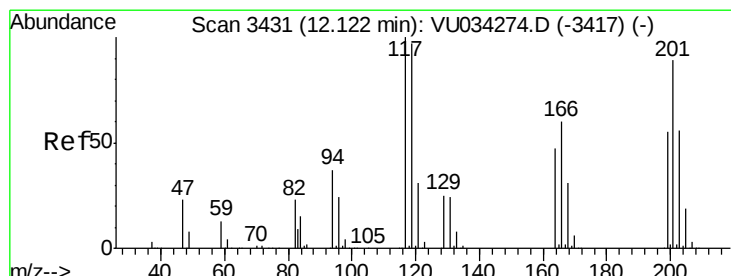
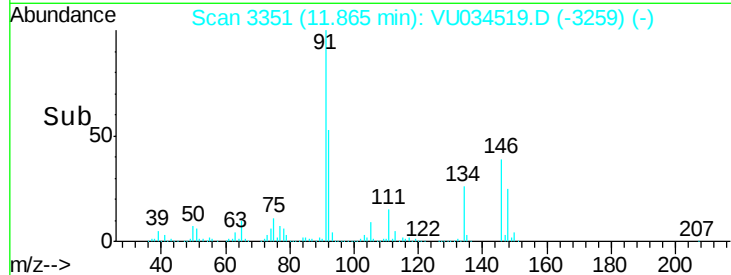
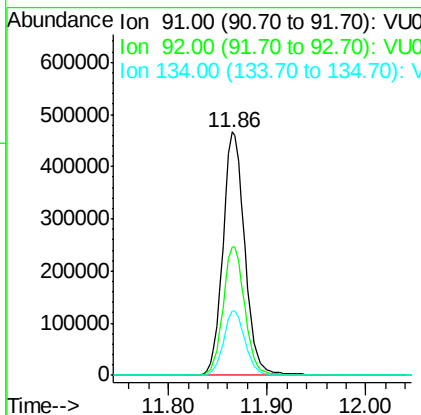
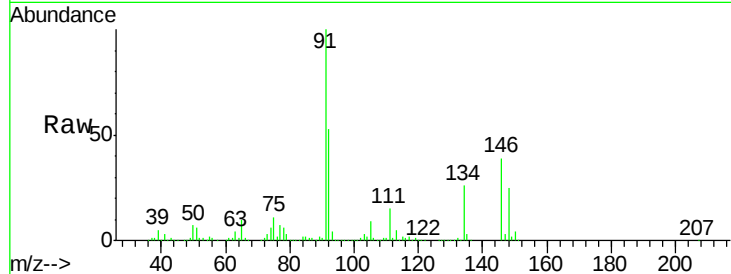
#89  
n-Butylbenzene  
Concen: 59.962 ug/l  
RT: 11.86 min Scan# 3351  
Delta R.T. -0.00 min  
Lab File: VU034519.D  
Acq: 12 Sep 2019 14:38

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 91      | 100  |       | 722770 |       |       |
| 92      | 52.8 | 26.5  | 79.4   |       |       |
| 134     | 26.3 | 13.2  | 39.6   |       |       |

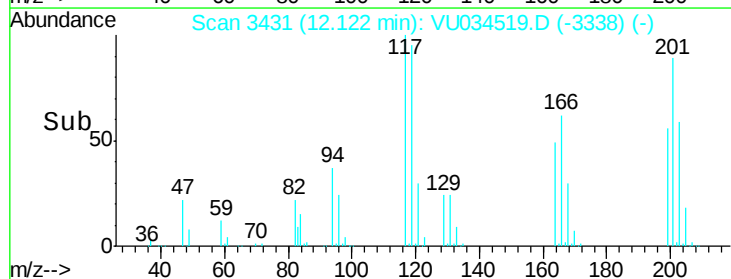
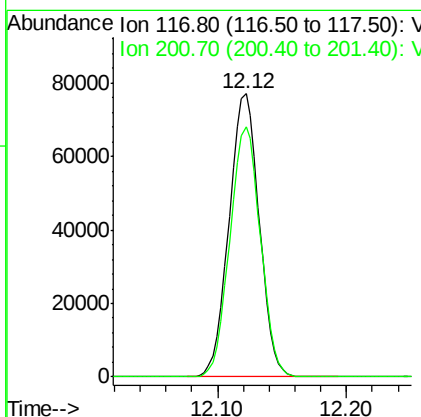
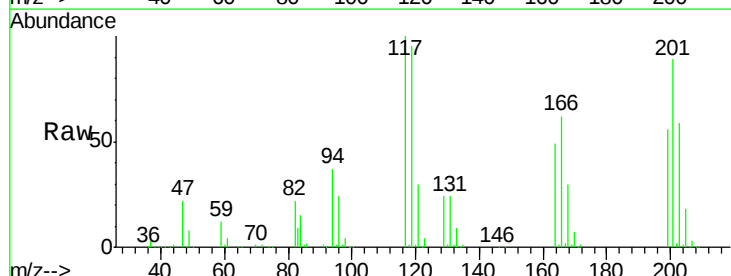
Manual Integrations  
APPROVED

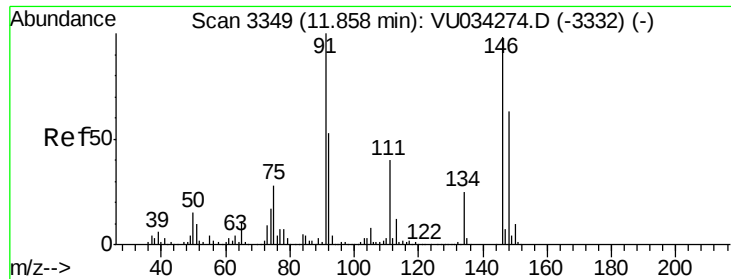
MMDadoda  
9/16/2019 11:16:44 AM



#90  
Hexachloroethane  
Concen: 56.439 ug/l  
RT: 12.12 min Scan# 3431  
Delta R.T. 0.00 min  
Lab File: VU034519.D  
Acq: 12 Sep 2019 14:38

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 117     | 100  |       | 125245 |       |       |
| 201     | 89.3 | 44.1  | 132.4  |       |       |





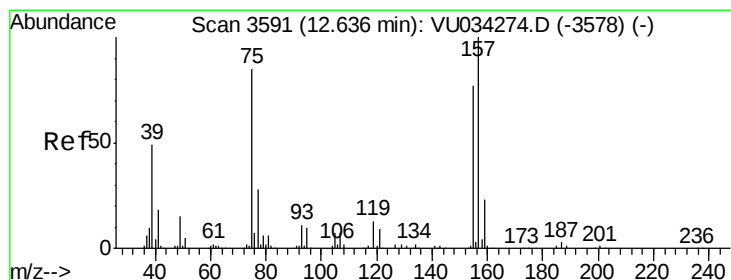
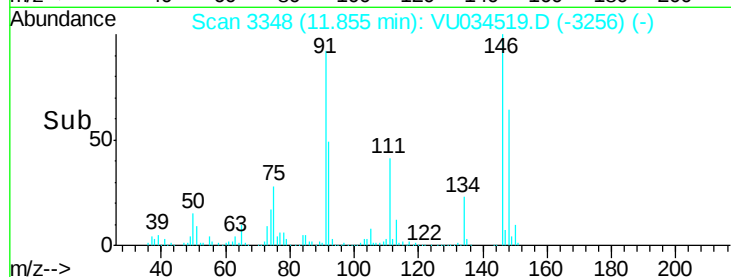
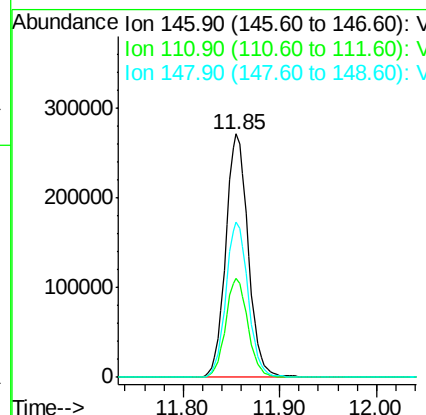
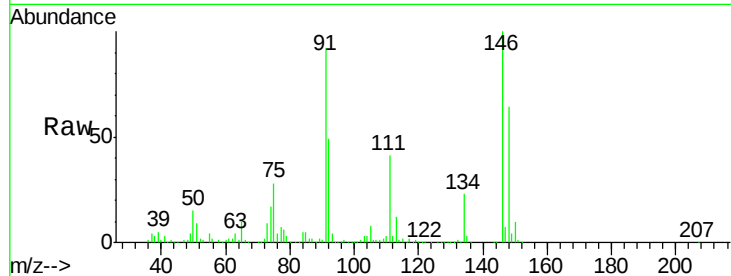
#91  
 1,2-Dichlorobenzene  
 Concen: 57.142 ug/l  
 RT: 11.85 min Scan# 3348  
 Delta R.T. -0.00 min  
 Lab File: VU034519.D  
 Acq: 12 Sep 2019 14:38

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.5  | 20.0  | 60.0  |
| 148     | 63.6  | 31.6  | 94.8  |

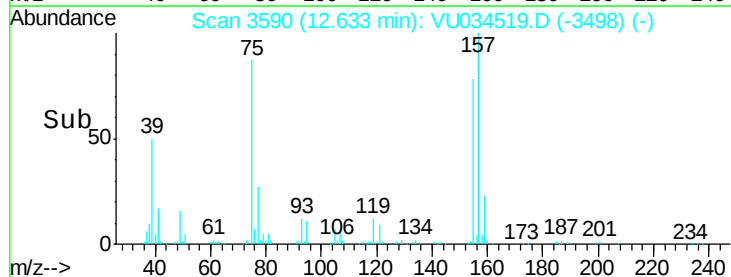
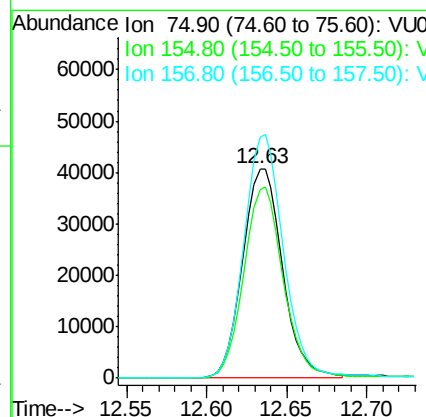
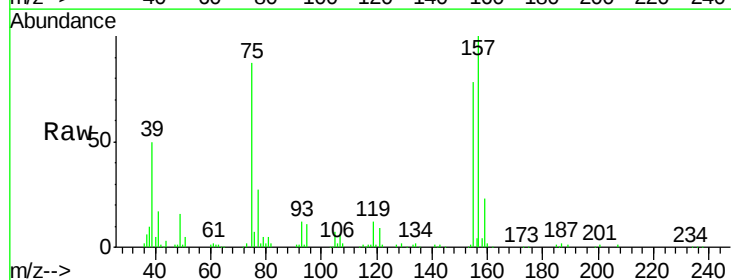
Manual Integrations  
 APPROVED

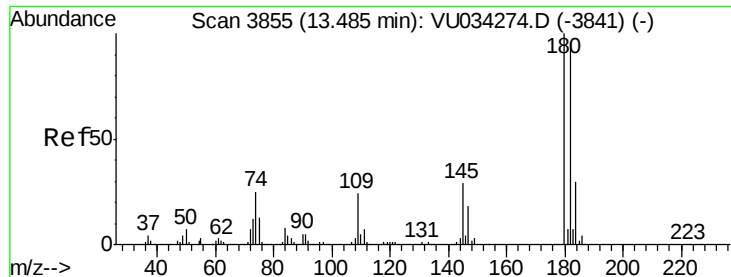
MMDadoda  
 9/16/2019 11:16:44 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 61.328 ug/l  
 RT: 12.63 min Scan# 3590  
 Delta R.T. -0.00 min  
 Lab File: VU034519.D  
 Acq: 12 Sep 2019 14:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 90.6  | 44.6  | 134.0 |
| 157     | 116.1 | 58.2  | 174.6 |





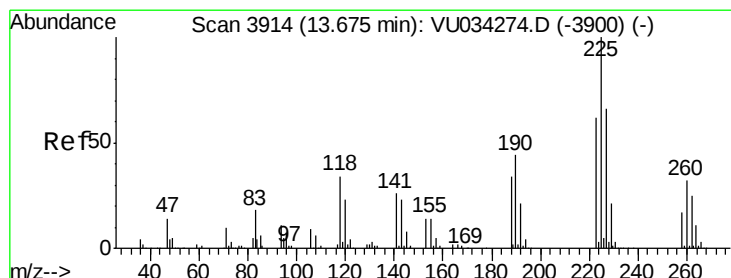
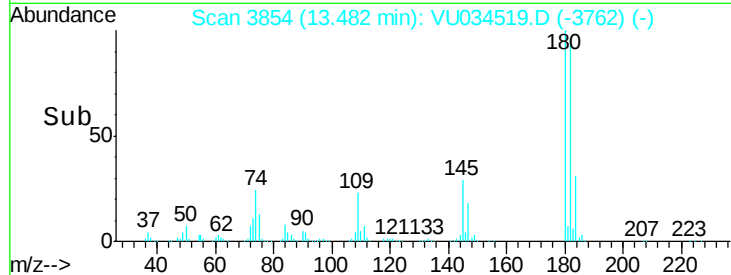
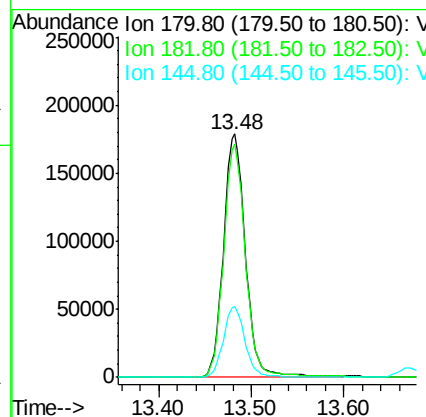
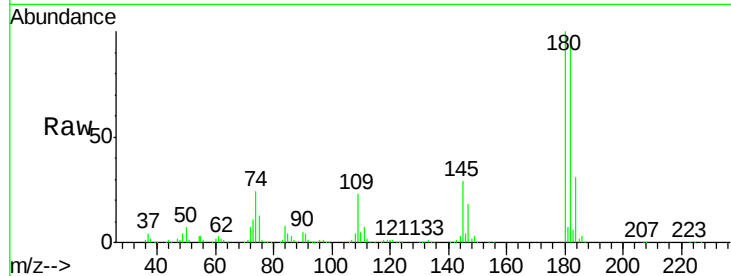
#93  
 1,2,4-Trichlorobenzene  
 Concen: 52.986 ug/l  
 RT: 13.48 min Scan# 3854  
 Delta R.T. -0.00 min  
 Lab File: VU034519.D  
 Acq: 12 Sep 2019 14:38

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 294408 |       |       |
| 182     | 95.3  | 47.9   | 143.8 |       |
| 145     | 28.4  | 14.4   | 43.0  |       |

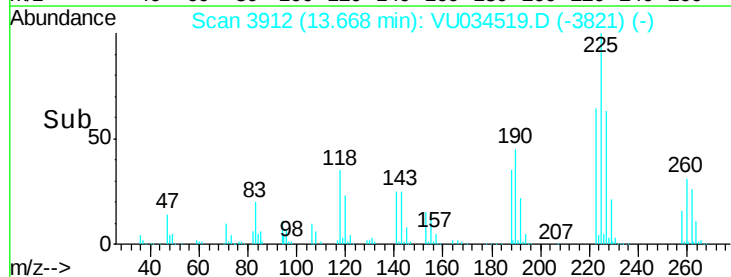
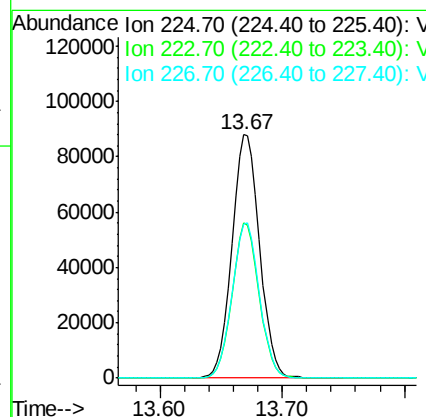
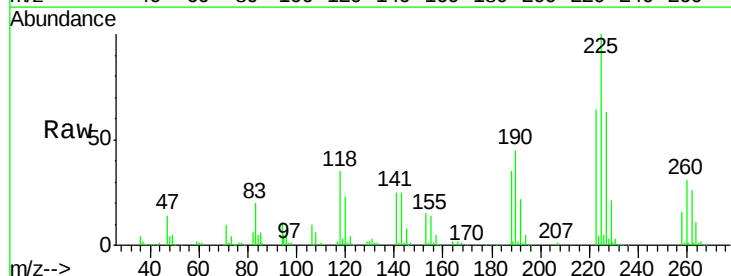
Manual Integrations  
 APPROVED

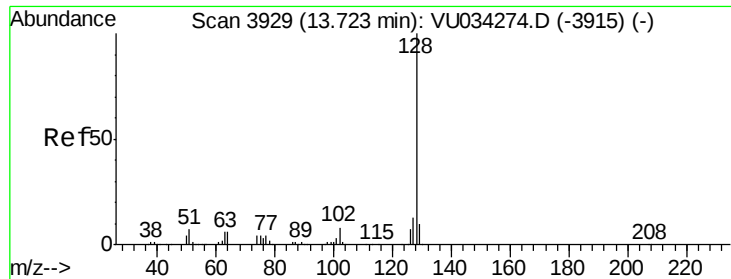
MMDadoda  
 9/16/2019 11:16:44 AM



#94  
 Hexachlorobutadiene  
 Concen: 52.197 ug/l  
 RT: 13.67 min Scan# 3912  
 Delta R.T. -0.01 min  
 Lab File: VU034519.D  
 Acq: 12 Sep 2019 14:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 139297 |       |       |
| 223     | 62.2  | 31.6   | 94.7  |       |
| 227     | 62.8  | 32.3   | 96.8  |       |





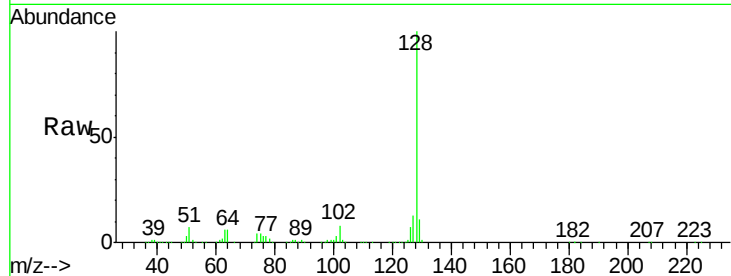
#95  
Naphthalene  
Concen: 52.457 ug/l  
RT: 13.72 min Scan# 3928  
Delta R.T. -0.00 min  
Lab File: VU034519.D  
Acq: 12 Sep 2019 14:38

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.7  | 10.6  | 15.8  |
| 129     | 10.9  | 8.4   | 12.6  |

Manual Integrations  
APPROVED

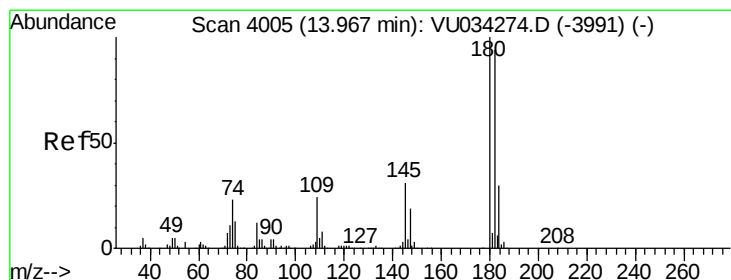
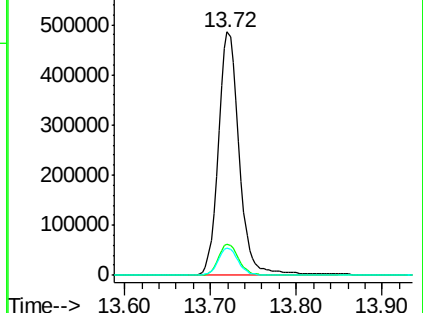
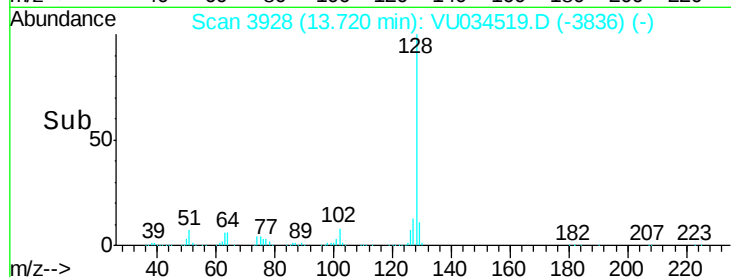
MMDadoda  
9/16/2019 11:16:44 AM



Abundance Ion 128.00 (127.70 to 128.70): V

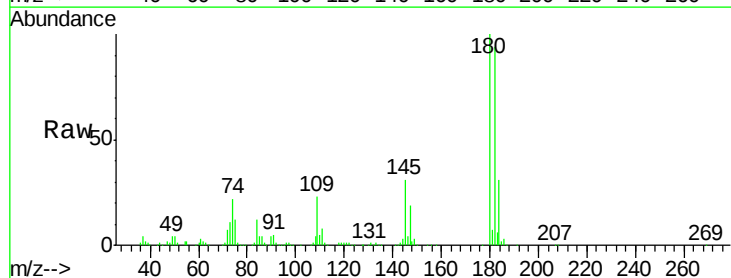
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96  
1,2,3-Trichlorobenzene  
Concen: 54.839 ug/l  
RT: 13.96 min Scan# 4004  
Delta R.T. -0.00 min  
Lab File: VU034519.D  
Acq: 12 Sep 2019 14:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.1  | 48.4  | 145.0 |
| 145     | 30.4  | 15.4  | 46.4  |



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

