

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090719\  
 Data File : VU034315.D  
 Acq On : 06 Sep 2019 08:52  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 9/10/2019 10:48:36 AM

Quant Time: Sep 06 12:34:02 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  | 312356   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.86  | 114  | 442121   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.07  | 117  | 441519   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.46 | 152  | 292934   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 5.29   | 65  | 231444   | 48.97 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.94%  |      |
| 35) Dibromofluoromethane  | 4.86   | 113 | 205821   | 50.03 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.06% |      |
| 50) Toluene-d8            | 7.54   | 98  | 811862   | 52.53 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 105.06% |      |
| 62) 4-Bromofluorobenzene  | 10.29  | 95  | 307333   | 51.50 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 103.00% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 155149  | 47.493  | ug/l | 99     |
| 3) Chloromethane              | 1.32 | 50  | 173702  | 49.215  | ug/l | 98     |
| 4) Vinyl Chloride             | 1.40 | 62  | 185495  | 45.567  | ug/l | 100    |
| 5) Bromomethane               | 1.61 | 94  | 112855  | 55.054  | ug/l | 100    |
| 6) Chloroethane               | 1.69 | 64  | 118673  | 50.160  | ug/l | 97     |
| 7) Trichlorofluoromethane     | 1.87 | 101 | 257797  | 47.231  | ug/l | 98     |
| 8) Diethyl Ether              | 2.09 | 74  | 111707  | 46.527  | ug/l | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.27 | 101 | 174772  | 48.344  | ug/l | 99     |
| 10) Methyl Iodide             | 2.40 | 142 | 150383  | 45.816  | ug/l | 100    |
| 11) Tert butyl alcohol        | 2.81 | 59  | 249897  | 250.287 | ug/l | 100    |
| 12) 1,1-Dichloroethene        | 2.27 | 96  | 159381  | 46.898  | ug/l | 98     |
| 13) Acrolein                  | 2.18 | 56  | 172774  | 205.885 | ug/l | 99     |
| 14) Allyl chloride            | 2.58 | 41  | 268243  | 41.286  | ug/l | 92     |
| 15) Acrylonitrile             | 2.92 | 53  | 629853  | 253.324 | ug/l | 99     |
| 16) Acetone                   | 2.31 | 43  | 717500  | 293.372 | ug/l | 99     |
| 17) Carbon Disulfide          | 2.46 | 76  | 335417  | 43.914  | ug/l | 100    |
| 18) Methyl Acetate            | 2.60 | 43  | 270710  | 45.489  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 2.98 | 73  | 615789  | 49.712  | ug/l | 99     |
| 20) Methylene Chloride        | 2.68 | 84  | 201848  | 50.391  | ug/l | 99     |
| 21) trans-1,2-Dichloroethene  | 2.96 | 96  | 170378  | 47.574  | ug/l | 99     |
| 22) Diisopropyl ether         | 3.55 | 45  | 629759  | 49.703  | ug/l | 97     |
| 23) Vinyl Acetate             | 3.50 | 43  | 2649636 | 256.726 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 3.42 | 63  | 355418  | 46.971  | ug/l | 100    |
| 25) 2-Butanone                | 4.23 | 43  | 907686  | 278.031 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 4.20 | 77  | 295365  | 48.534  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 4.20 | 96  | 213695  | 49.130  | ug/l | 98     |
| 28) Bromochloromethane        | 4.52 | 49  | 164464  | 47.255  | ug/l | 98     |
| 29) Tetrahydrofuran           | 4.61 | 42  | 509278  | 256.359 | ug/l | 100    |
| 30) Chloroform                | 4.65 | 83  | 357688  | 46.506  | ug/l | 99     |
| 31) Cyclohexane               | 4.97 | 56  | 261963  | 47.323  | ug/l | 98     |
| 32) 1,1,1-Trichloroethane     | 4.89 | 97  | 290929  | 47.310  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 5.12 | 75  | 238016  | 49.640  | ug/l | 99     |
| 37) Ethyl Acetate             | 4.36 | 43  | 286760  | 50.583  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 5.11 | 117 | 249180  | 48.672  | ug/l | 97     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleID :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 9/10/2019 10:48:36 AM

Quant Time: Sep 06 12:34:02 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   | 263541   | 51.416   | ug/l  | 99       |
| 40) Benzene                    | 5.37  | 78   | 761065   | 49.190   | ug/l  | 100      |
| 41) Methacrylonitrile          | 4.52  | 41   | 160320   | 53.091   | ug/l  | 99       |
| 42) 1,2-Dichloroethane         | 5.38  | 62   | 259066   | 48.228   | ug/l  | 100      |
| 43) Isopropyl Acetate          | 5.53  | 43   | 445288   | 50.351   | ug/l  | 99       |
| 44) Trichloroethene            | 6.16  | 130  | 210159   | 49.087   | ug/l  | 98       |
| 45) 1,2-Dichloropropane        | 6.41  | 63   | 223639   | 49.444   | ug/l  | 99       |
| 46) Dibromomethane             | 6.54  | 93   | 139061   | 48.980   | ug/l  | 98       |
| 47) Bromodichloromethane       | 6.74  | 83   | 288602   | 49.383   | ug/l  | 100      |
| 48) Methyl methacrylate        | 6.60  | 41   | 215311   | 51.260   | ug/l  | 99       |
| 49) 1,4-Dioxane                | 6.59  | 88   | 109545   | 1194.325 | ug/l  | 98       |
| 51) 4-Methyl-2-Pentanone       | 7.44  | 43   | 1563116  | 255.345  | ug/l  | 99       |
| 52) Toluene                    | 7.62  | 92   | 488807   | 50.364   | ug/l  | 99       |
| 53) t-1,3-Dichloropropene      | 7.86  | 75   | 311832   | 51.473   | ug/l  | 99       |
| 54) cis-1,3-Dichloropropene    | 7.25  | 75   | 340095   | 51.149   | ug/l  | 98       |
| 55) 1,1,2-Trichloroethane      | 8.04  | 97   | 215124   | 48.814   | ug/l  | 97       |
| 56) Ethyl methacrylate         | 8.00  | 69   | 322683   | 48.305   | ug/l  | 99       |
| 57) 1,3-Dichloropropane        | 8.22  | 76   | 356981   | 49.745   | ug/l  | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 7.11  | 63   | 562378   | 248.378  | ug/l  | 100      |
| 59) 2-Hexanone                 | 8.34  | 43   | 1252443  | 273.870  | ug/l  | 99       |
| 60) Dibromochloromethane       | 8.46  | 129  | 239555   | 50.678   | ug/l  | 98       |
| 61) 1,2-Dibromoethane          | 8.57  | 107  | 219241   | 50.827   | ug/l  | 100      |
| 64) Tetrachloroethene          | 8.21  | 164  | 189161   | 49.384   | ug/l  | 97       |
| 65) Chlorobenzene              | 9.10  | 112  | 568012   | 50.708   | ug/l  | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 9.19  | 131  | 212720   | 49.760   | ug/l  | 99       |
| 67) Ethyl Benzene              | 9.23  | 91   | 961268   | 52.485   | ug/l  | 98       |
| 68) m/p-Xylenes                | 9.35  | 106  | 747201   | 108.341  | ug/l  | 100      |
| 69) o-Xylene                   | 9.76  | 106  | 360224   | 53.408   | ug/l  | 100      |
| 70) Styrene                    | 9.77  | 104  | 661121   | 55.907   | ug/l  | 99       |
| 71) Bromoform                  | 9.94  | 173  | 190038   | 51.294   | ug/l  | # 100    |
| 73) Isopropylbenzene           | 10.15 | 105  | 996578   | 52.277   | ug/l  | 100      |
| 74) N-amyl acetate             | 9.99  | 43   | 414089   | 53.963   | ug/l  | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 10.44 | 83   | 373581   | 48.414   | ug/l  | 100      |
| 76) 1,2,3-Trichloropropane     | 10.47 | 75   | 313267m  | 48.992   | ug/l  |          |
| 77) Bromobenzene               | 10.43 | 156  | 268153   | 50.307   | ug/l  | 99       |
| 78) n-propylbenzene            | 10.57 | 91   | 1175934  | 53.412   | ug/l  | 100      |
| 79) 2-Chlorotoluene            | 10.64 | 91   | 702882   | 52.323   | ug/l  | 100      |
| 80) 1,3,5-Trimethylbenzene     | 10.75 | 105  | 880278   | 55.212   | ug/l  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 10.49 | 75   | 101681m  | 53.477   | ug/l  |          |
| 82) 4-Chlorotoluene            | 10.75 | 91   | 816733   | 52.831   | ug/l  | 100      |
| 83) tert-Butylbenzene          | 11.08 | 119  | 849863   | 53.284   | ug/l  | 99       |
| 84) 1,2,4-Trimethylbenzene     | 11.13 | 105  | 886439   | 55.233   | ug/l  | 99       |
| 85) sec-Butylbenzene           | 11.30 | 105  | 1022181  | 54.286   | ug/l  | 100      |
| 86) p-Isopropyltoluene         | 11.46 | 119  | 961714   | 55.336   | ug/l  | 99       |
| 87) 1,3-Dichlorobenzene        | 11.40 | 146  | 503092   | 51.722   | ug/l  | 99       |
| 88) 1,4-Dichlorobenzene        | 11.49 | 146  | 502052   | 49.486   | ug/l  | 100      |
| 89) n-Butylbenzene             | 11.87 | 91   | 858538   | 56.845   | ug/l  | 100      |
| 90) Hexachloroethane           | 12.12 | 117  | 144176   | 51.852   | ug/l  | 99       |
| 91) 1,2-Dichlorobenzene        | 11.86 | 146  | 487875   | 51.037   | ug/l  | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.64 | 75   | 76541    | 53.980   | ug/l  | 99       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU090719\  
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Acq On : 06 Sep 2019 08:52  
Operator : JC/SP  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

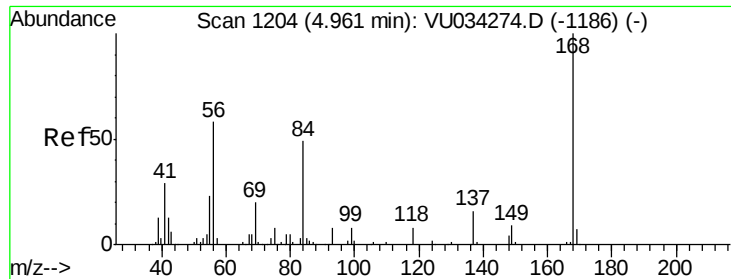
MMDadoda  
9/10/2019 10:48:36 AM

Quant Time: Sep 06 12:34:02 2019  
Quant Method : Z:\V0ASRV\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 | 13.49 | 180  | 343544   | 49.583 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 13.67 | 225  | 172985   | 51.733 | ug/l  | 100      |
| 95) Naphthalene            | 13.72 | 128  | 920757   | 47.387 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 13.97 | 180  | 333348   | 49.792 | ug/l  | 100      |

(#) = 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: VU034315.D

Acq: 06 Sep 2019 08:52

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 312356

Ion Ratio Lower Upper

168 100

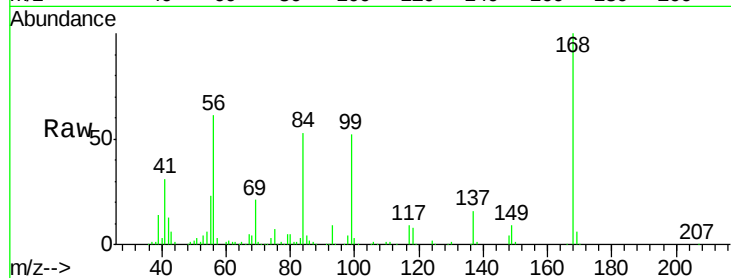
99 51.4 41.6 62.4

Manual Integrations

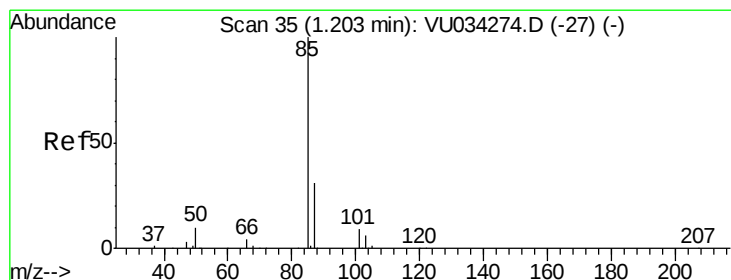
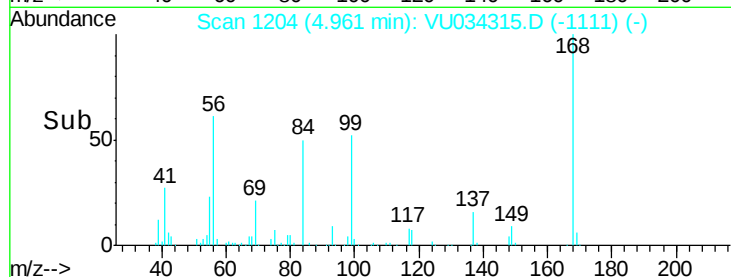
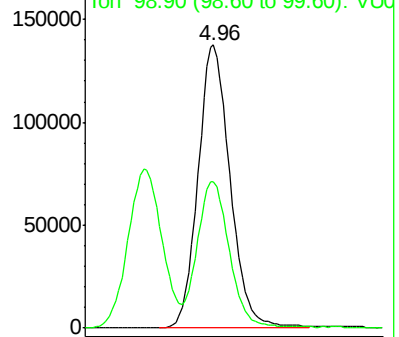
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9/10/2019 10:48:36 AM



Abundance Ion 167.90 (167.60 to 168.60): VU034274.D (-1186) (-)



#2

Dichlorodifluoromethane

Concen: 47.493 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034315.D

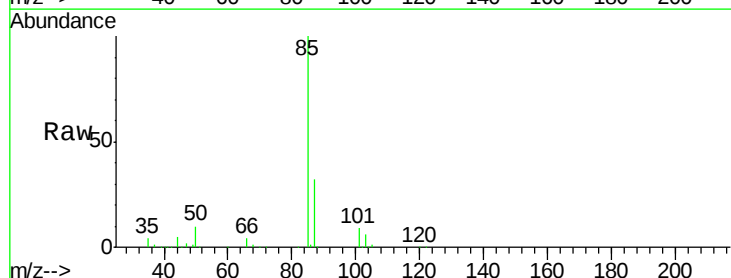
Acq: 06 Sep 2019 08:52

Tgt Ion: 85 Resp: 155149

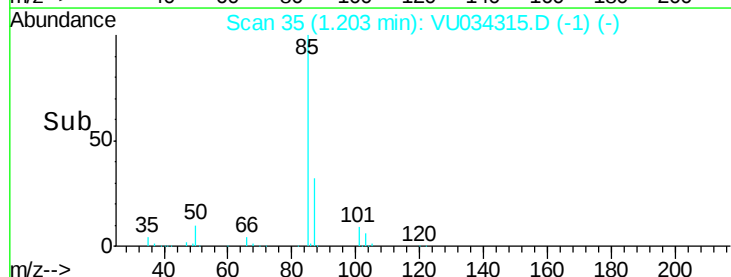
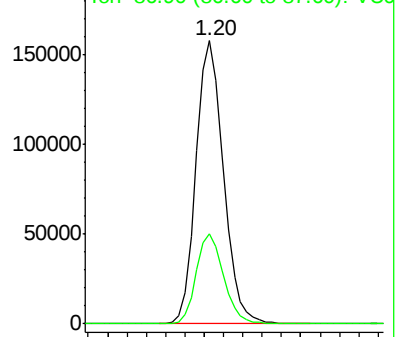
Ion Ratio Lower Upper

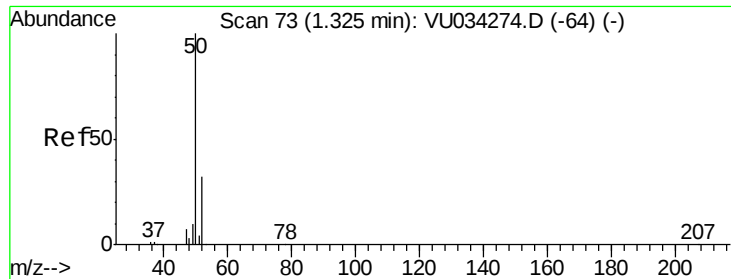
85 100

87 31.8 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VU034274.D (-27) (-)





#3

Chloromethane

Concen: 49.215 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 173702

Ion Ratio Lower Upper

50 100

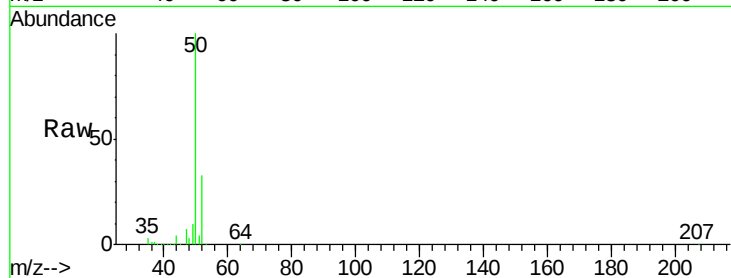
52 33.3 25.8 38.6

Manual Integrations

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9/10/2019 10:48:36 AM



Abundance Ion 49.90 (49.60 to 50.60): VU034315.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VU034315.D (-1) (-)

1.32

200000

150000

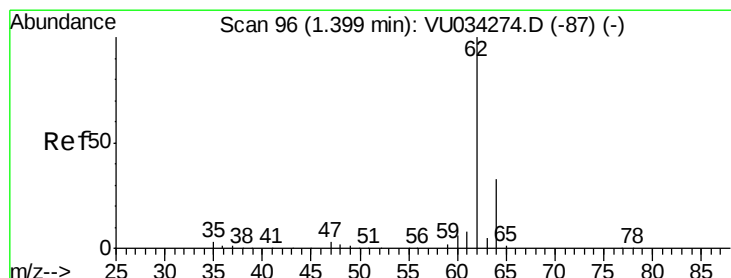
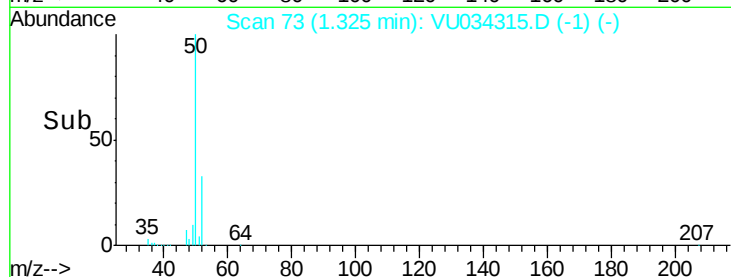
100000

50000

0

1.30 1.35

Time-->



#4

Vinyl Chloride

Concen: 45.567 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034315.D

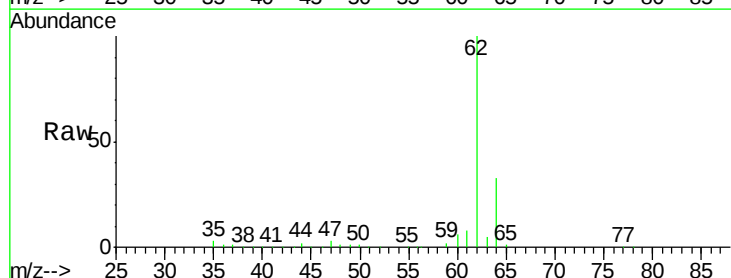
Acq: 06 Sep 2019 08:52

Tgt Ion: 62 Resp: 185495

Ion Ratio Lower Upper

62 100

64 33.0 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VU034315.D (-3) (-)

Ion 63.90 (63.60 to 64.60): VU034315.D (-3) (-)

1.40

200000

150000

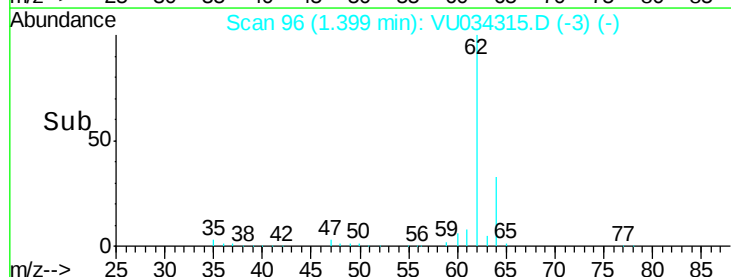
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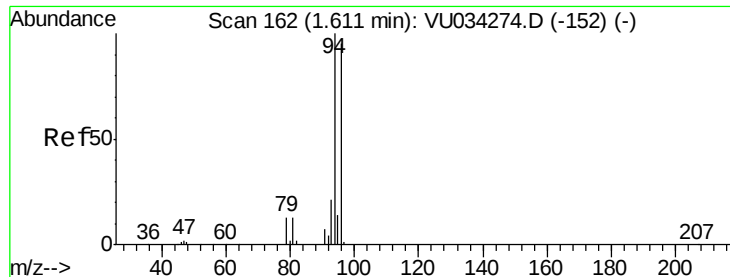
50000

0

1.35 1.40 1.45

Time-->





#5

Bromomethane

Concen: 55.054 ug/l

RT: 1.61 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 112855

Ion Ratio Lower Upper

94 100

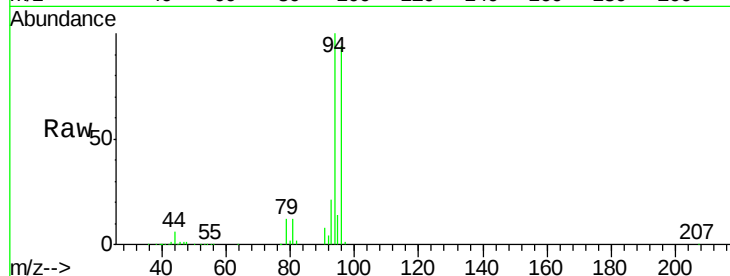
96 94.5 75.7 113.5

Manual Integrations

APPROVED

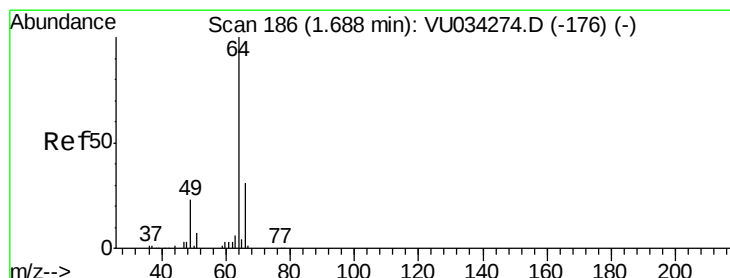
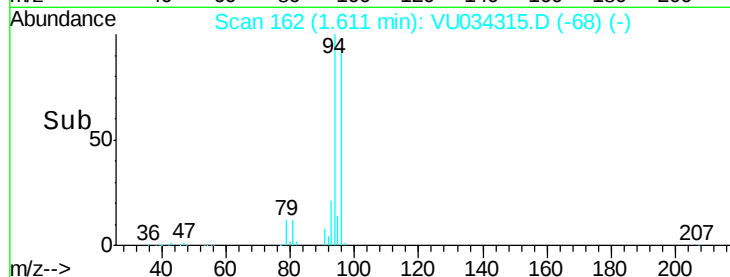
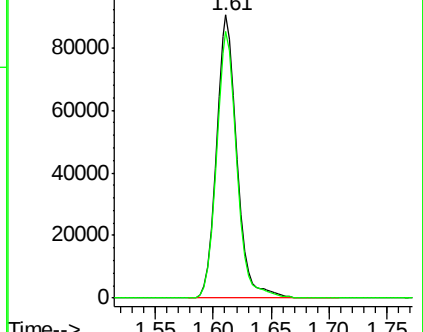
MMDadoda

9/10/2019 10:48:36 AM



Abundance Ion 93.90 (93.60 to 94.60): VU034315.D (-68) (-)

Ion 95.90 (95.60 to 96.60): VU034315.D (-68) (-)



#6

Chloroethane

Concen: 50.160 ug/l

RT: 1.69 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU034315.D

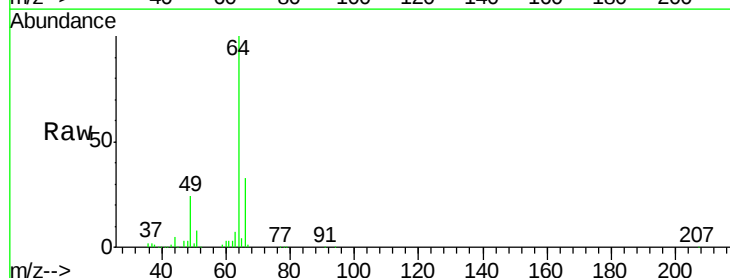
Acq: 06 Sep 2019 08:52

Tgt Ion: 64 Resp: 118673

Ion Ratio Lower Upper

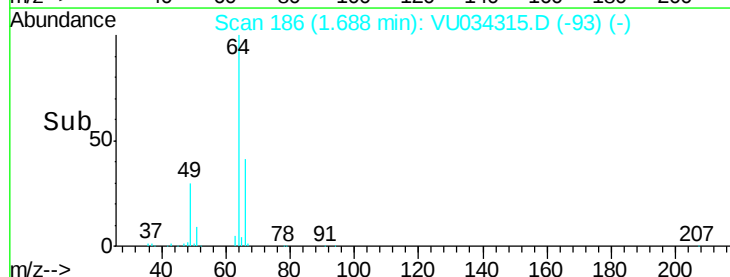
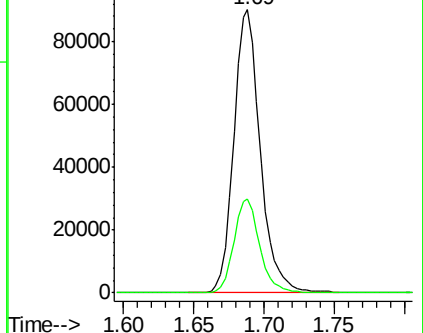
64 100

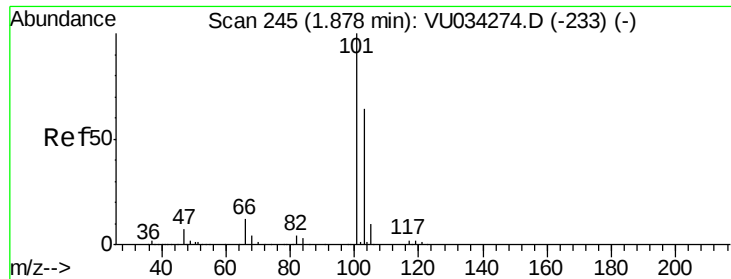
66 33.1 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU034315.D (-93) (-)

Ion 65.90 (65.60 to 66.60): VU034315.D (-93) (-)





#7

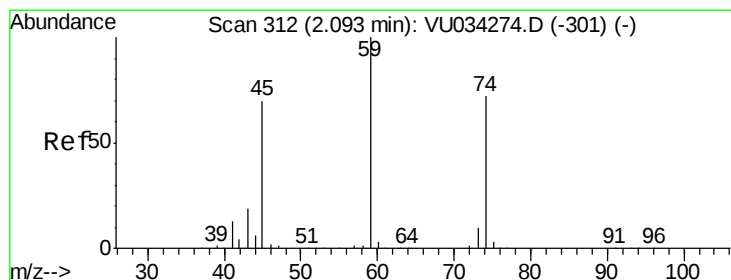
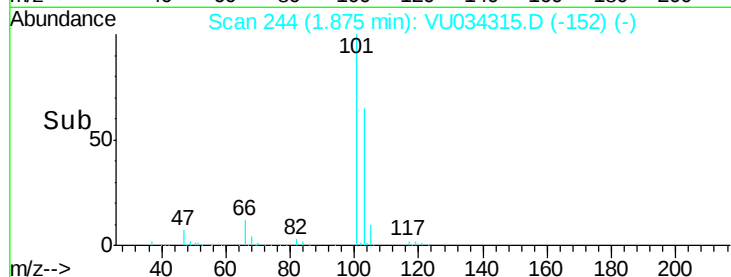
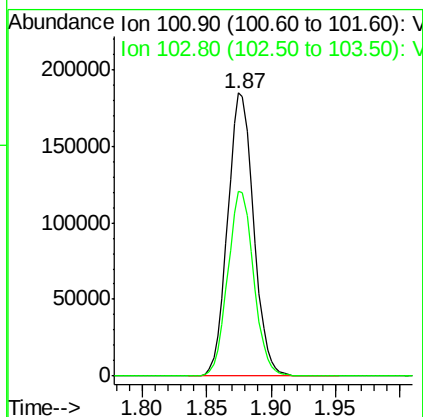
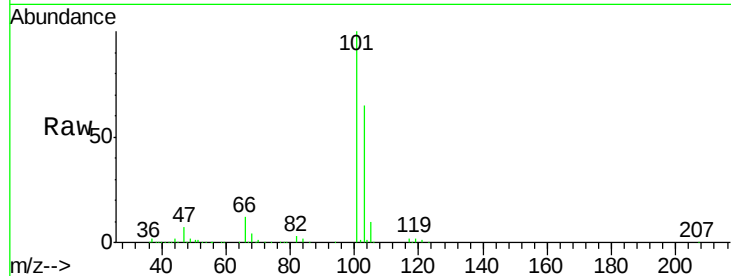
Trichlorofluoromethane  
 Concen: 47.231 ug/l  
 RT: 1.87 min Scan# 244  
 Delta R.T. -0.00 min  
 Lab File: VU034315.D  
 Acq: 06 Sep 2019 08:52

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 65.4  | 51.0  | 76.6  |

Manual Integrations  
 APPROVED

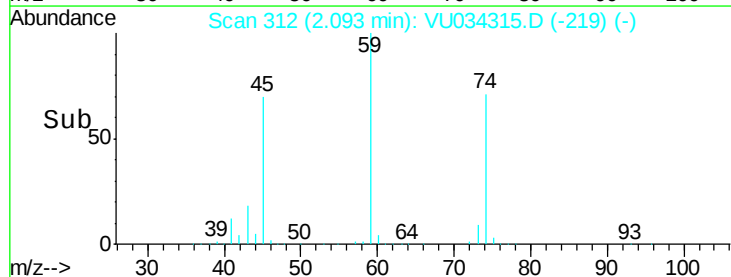
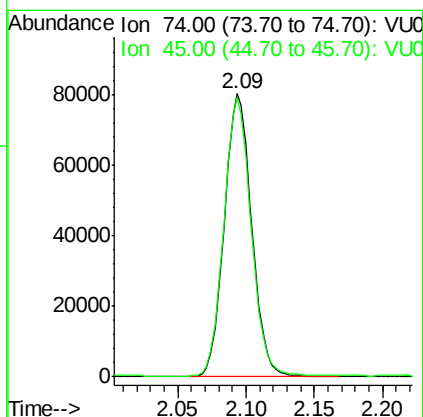
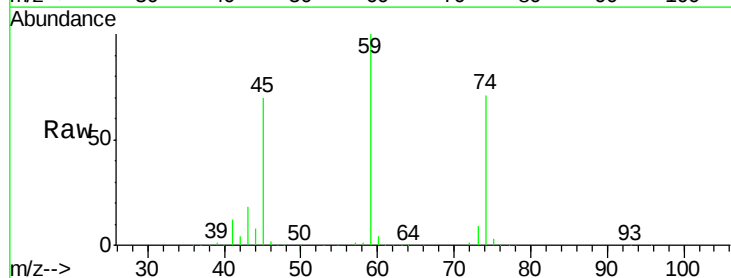
MMDadoda  
 9/10/2019 10:48:36 AM

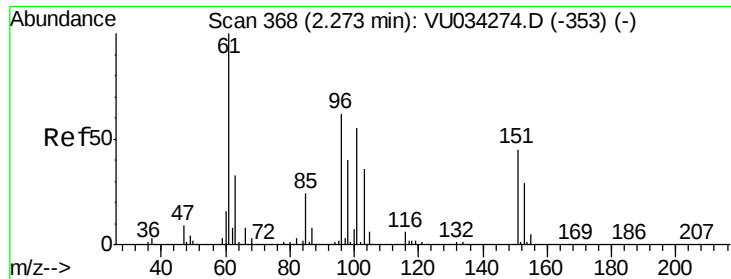


#8

Diethyl Ether  
 Concen: 46.527 ug/l  
 RT: 2.09 min Scan# 312  
 Delta R.T. 0.00 min  
 Lab File: VU034315.D  
 Acq: 06 Sep 2019 08:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 98.2  | 48.2  | 144.6 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.344 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

Instrument :

MSVOA\_U

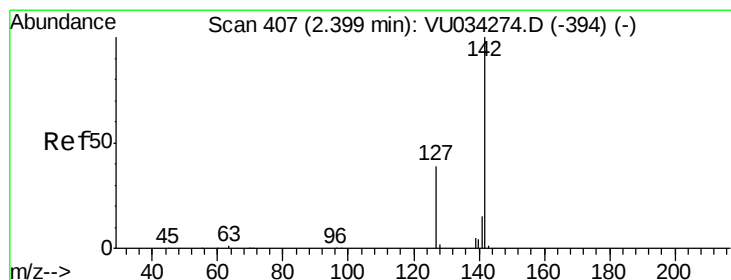
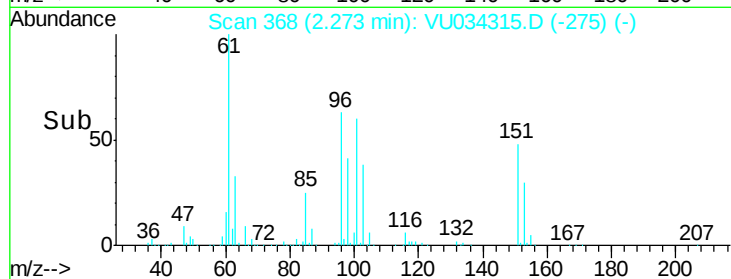
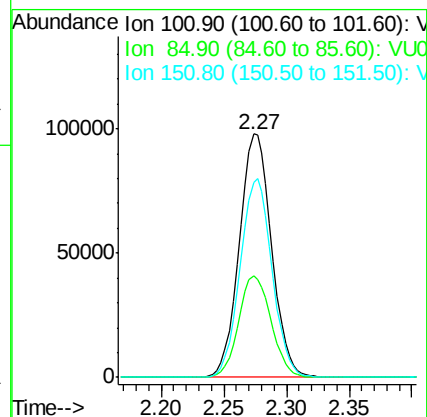
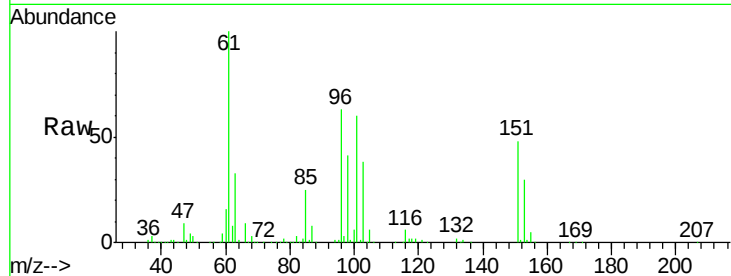
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 174772 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 41.8  | 34.4  | 51.6   |
| 151       | 80.9  | 64.4  | 96.6   |

Manual Integrations  
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MMDadoda  
9/10/2019 10:48:36 AM



#10

Methyl Iodide

Concen: 45.816 ug/l

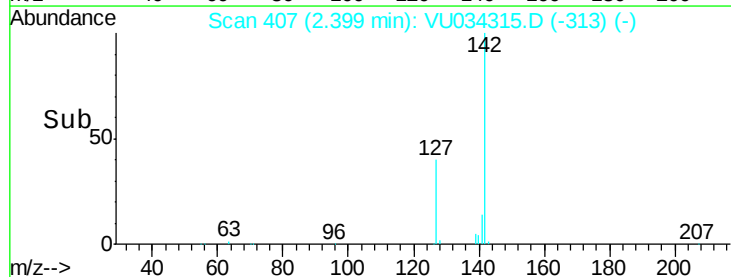
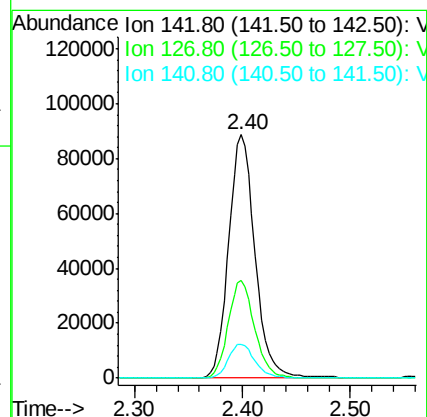
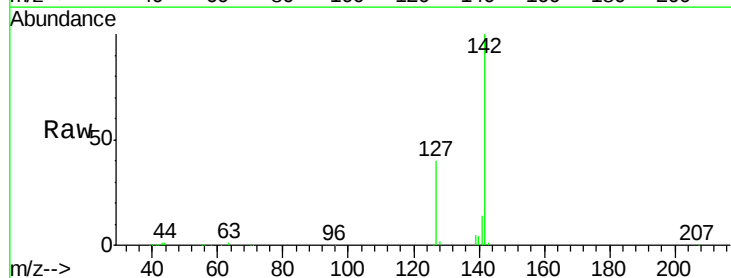
RT: 2.40 min Scan# 407

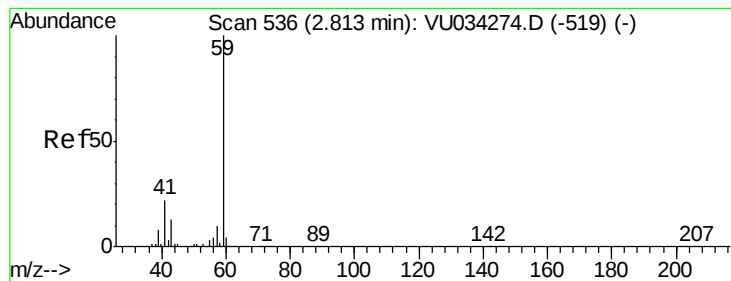
Delta R.T. 0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 150383 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 40.2  | 32.1  | 48.1   |
| 141       | 14.3  | 11.5  | 17.3   |





#11

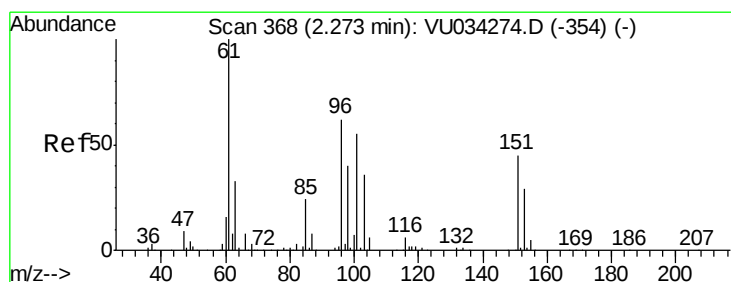
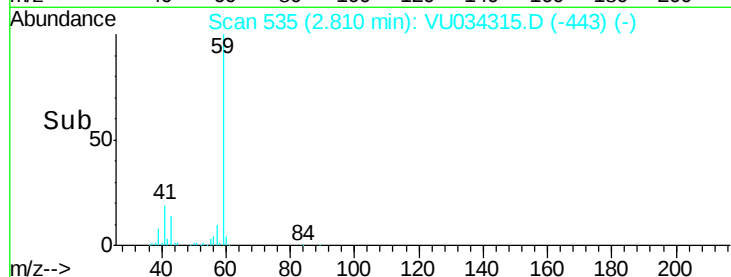
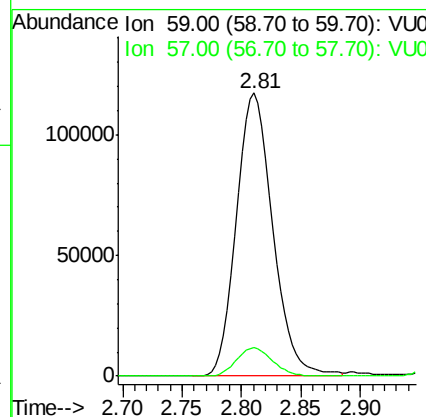
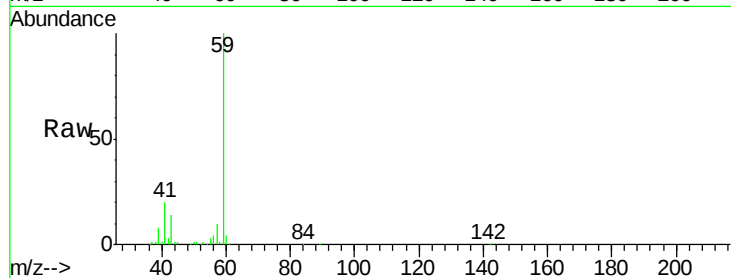
Tert butyl alcohol  
 Concen: 250.287 ug/l  
 RT: 2.81 min Scan# 535  
 Delta R.T. -0.00 min  
 Lab File: VU034315.D  
 Acq: 06 Sep 2019 08:52

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.1  | 7.9   | 11.9  |

Manual Integrations  
 APPROVED

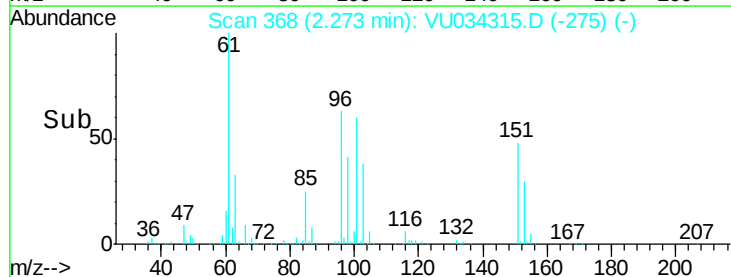
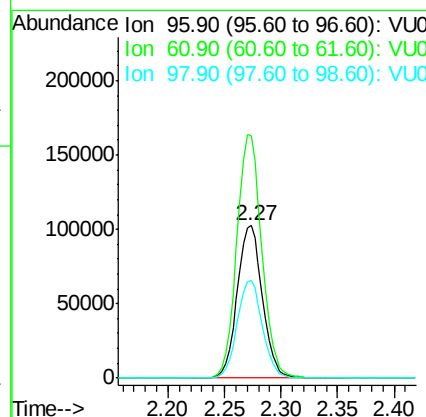
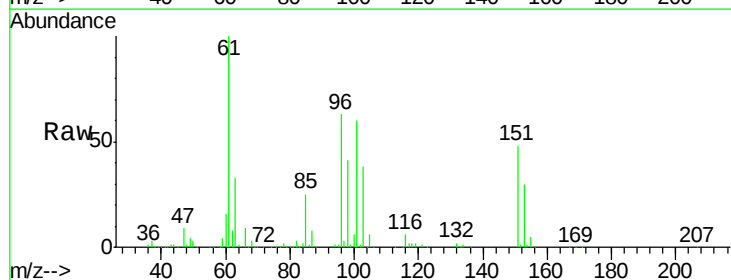
MMDadoda  
 9/10/2019 10:48:36 AM

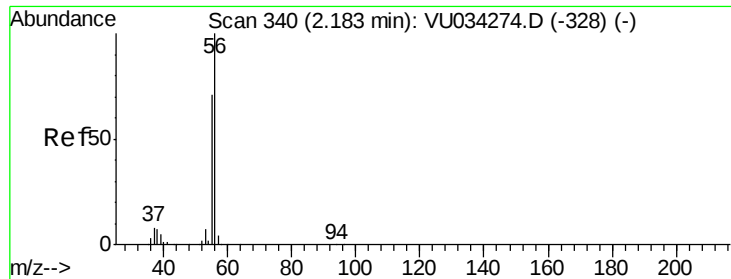


#12

1,1-Dichloroethene  
 Concen: 46.898 ug/l  
 RT: 2.27 min Scan# 368  
 Delta R.T. 0.00 min  
 Lab File: VU034315.D  
 Acq: 06 Sep 2019 08:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 159.2 | 130.0 | 195.0 |
| 98      | 64.6  | 52.2  | 78.4  |





#13

Acrolein

Concen: 205.885 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 172774

Ion Ratio Lower Upper

56 100

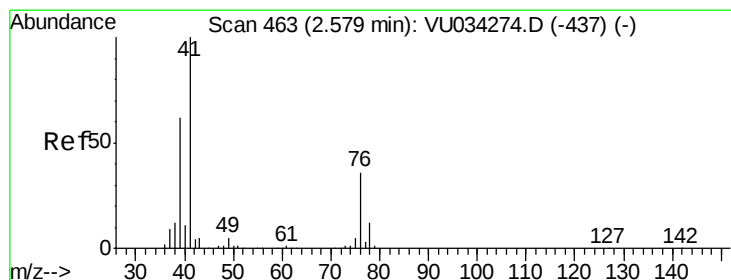
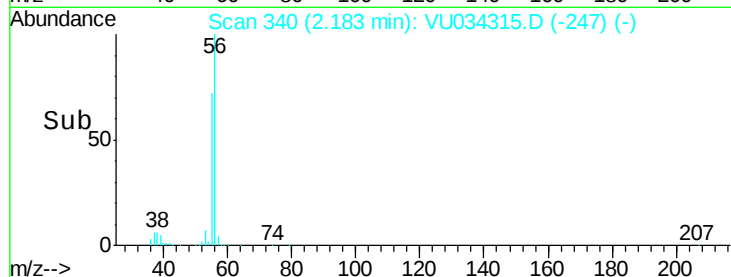
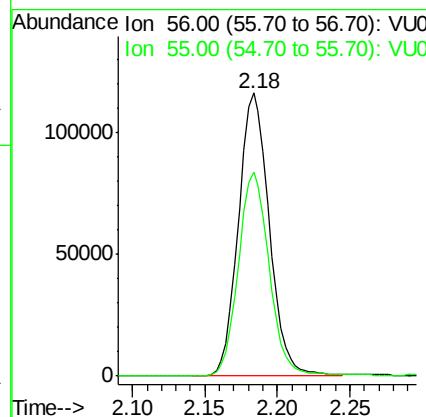
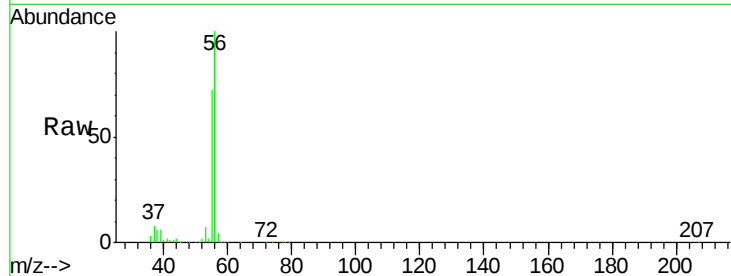
55 71.3 57.4 86.2

Manual Integrations

APPROVED

MMDadoda

9/10/2019 10:48:36 AM



#14

Allyl chloride

Concen: 41.286 ug/l

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

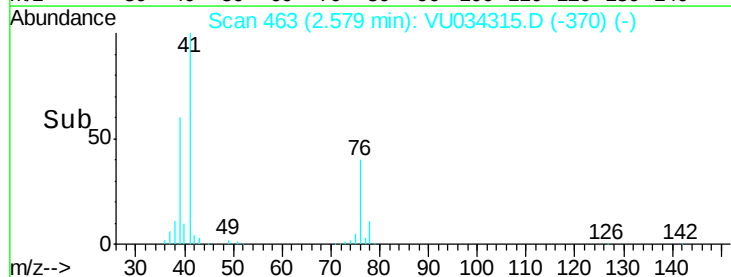
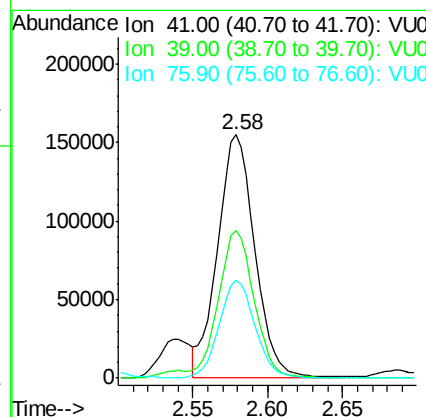
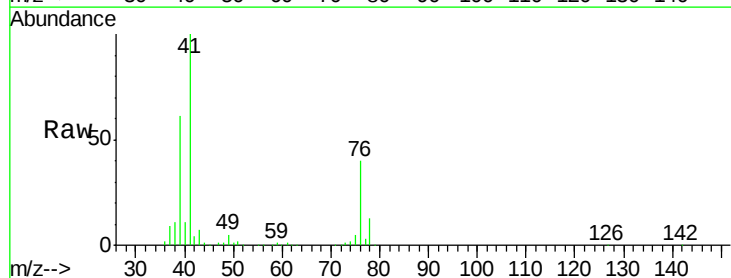
Tgt Ion: 41 Resp: 268243

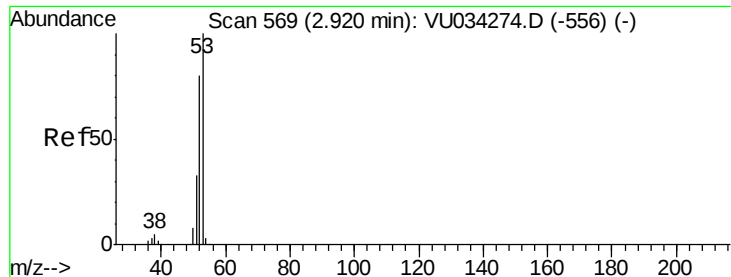
Ion Ratio Lower Upper

41 100

39 60.5 43.5 65.3

76 38.2 27.0 40.6





#15

Acrylonitrile

Concen: 253.324 ug/l

RT: 2.92 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

Instrument :

MSVOA\_U

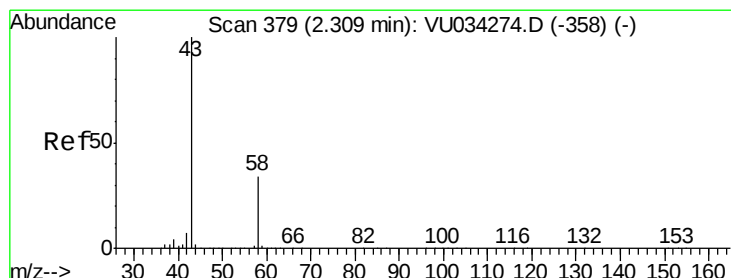
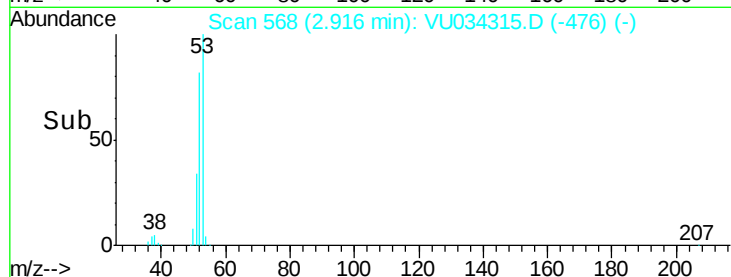
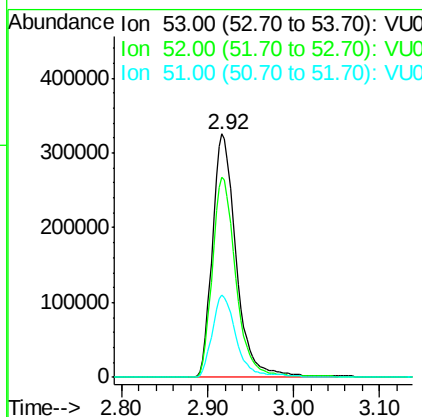
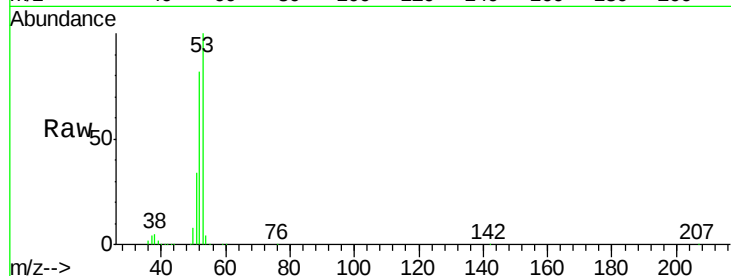
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 629853 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 81.8  | 64.1  | 96.1   |
| 51       | 34.4  | 27.4  | 41.0   |

Manual Integrations  
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#16

Acetone

Concen: 293.372 ug/l

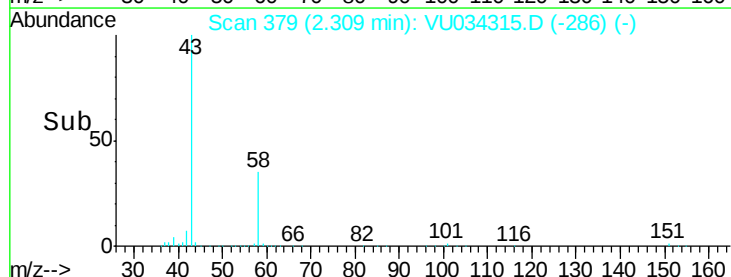
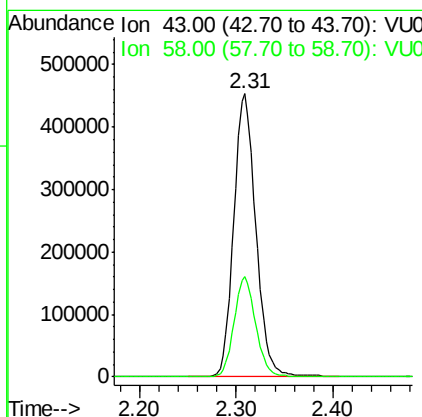
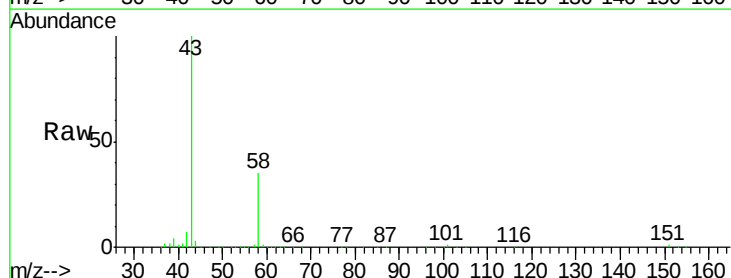
RT: 2.31 min Scan# 379

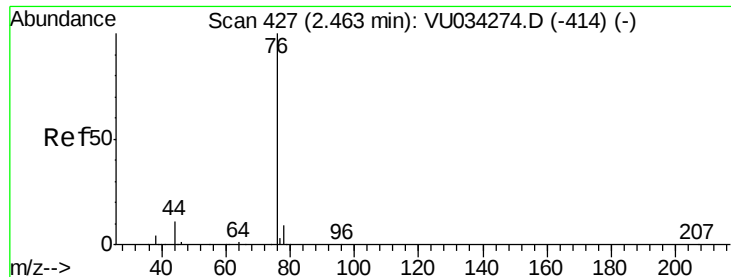
Delta R.T. 0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 717500 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 35.3  | 27.6  | 41.4   |





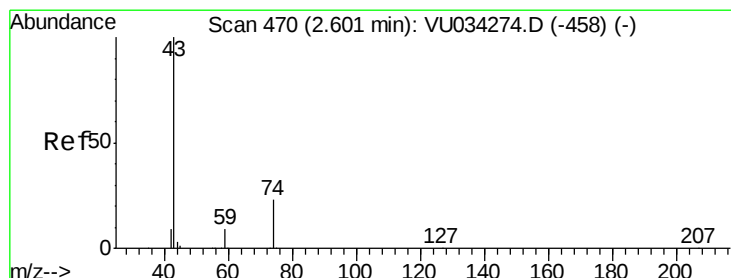
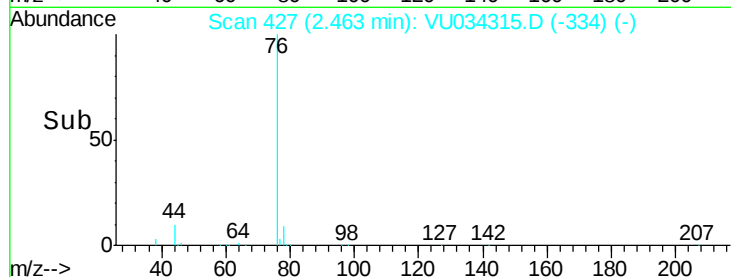
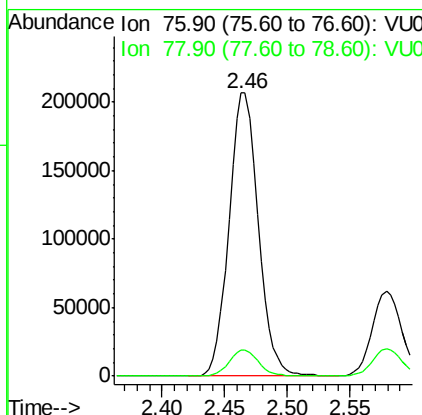
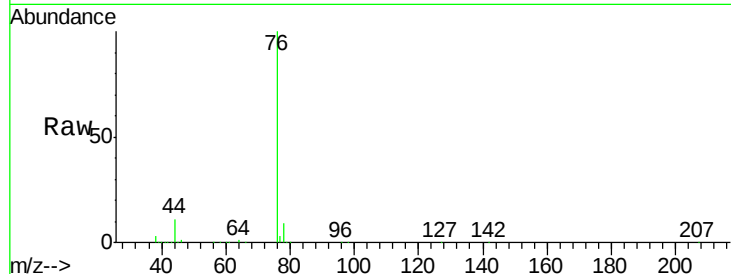
#17  
Carbon Disulfide  
Concen: 43.914 ug/l  
RT: 2.46 min Scan# 427  
Delta R.T. 0.00 min  
Lab File: VU034315.D  
Acq: 06 Sep 2019 08:52

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.1   | 7.2   | 10.8  |

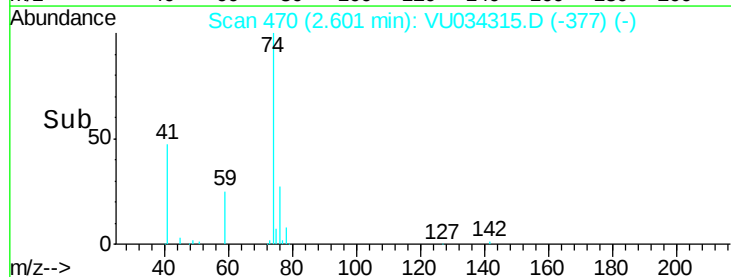
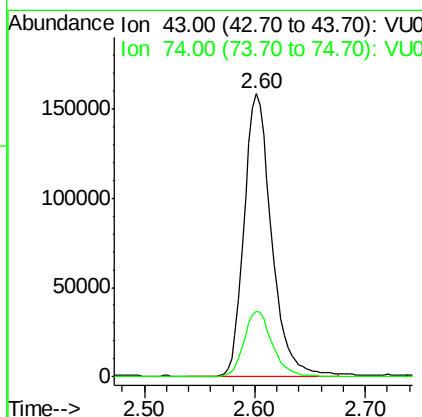
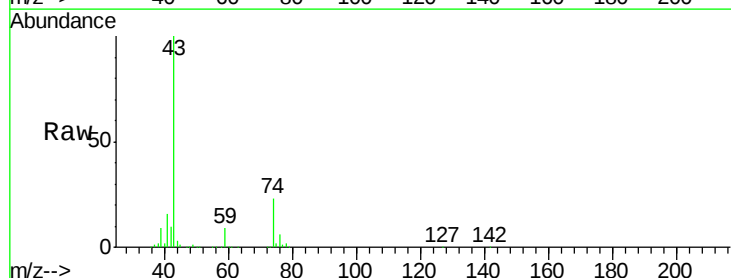
Manual Integrations  
APPROVED

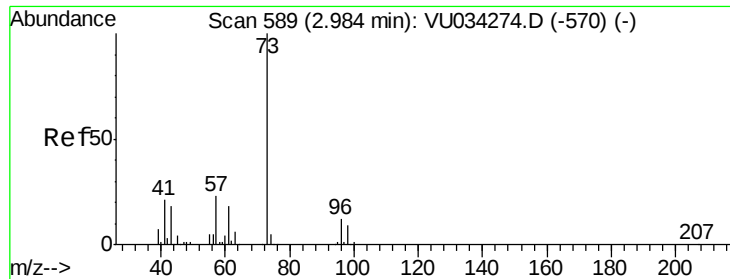
MMDadoda  
9/10/2019 10:48:36 AM



#18  
Methyl Acetate  
Concen: 45.489 ug/l  
RT: 2.60 min Scan# 470  
Delta R.T. 0.00 min  
Lab File: VU034315.D  
Acq: 06 Sep 2019 08:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 24.1  | 18.9  | 28.3  |





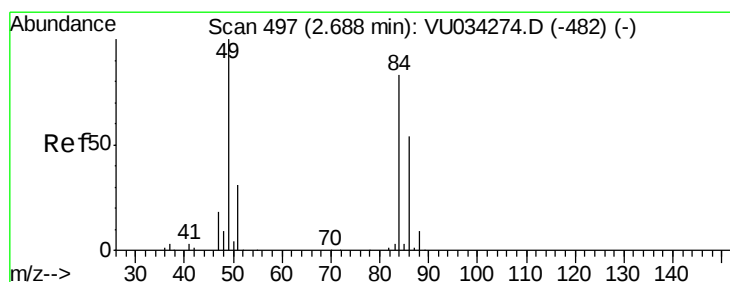
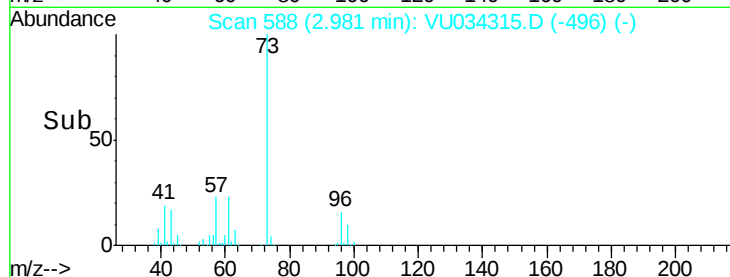
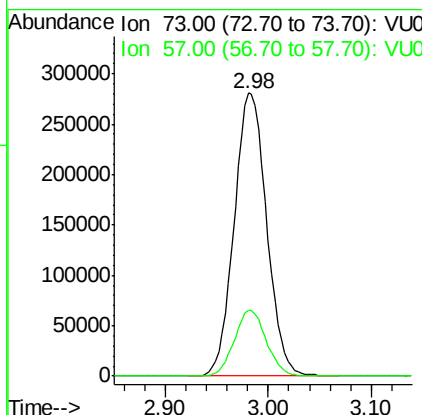
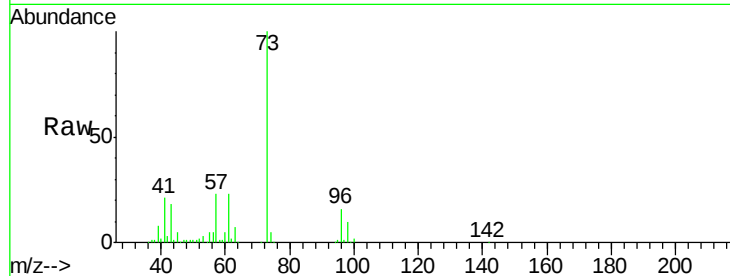
#19  
Methvl tert-butvl Ether  
Concen: 49.712 ug/l  
RT: 2.98 min Scan# 588  
Delta R.T. -0.00 min  
Lab File: VU034315.D  
Acq: 06 Sep 2019 08:52

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

Tot Ion: 73 Resp: 615789  
Ion Ratio Lower Upper  
73 100  
57 23.4 18.2 27.4

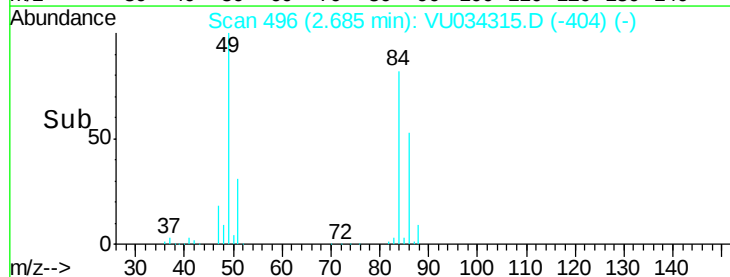
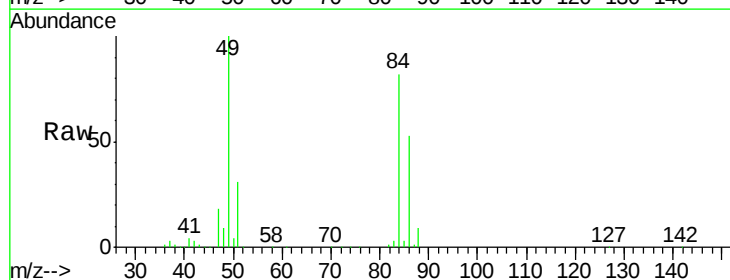
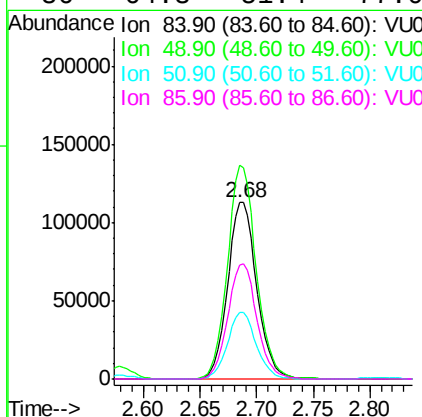
Manual Integrations  
APPROVED

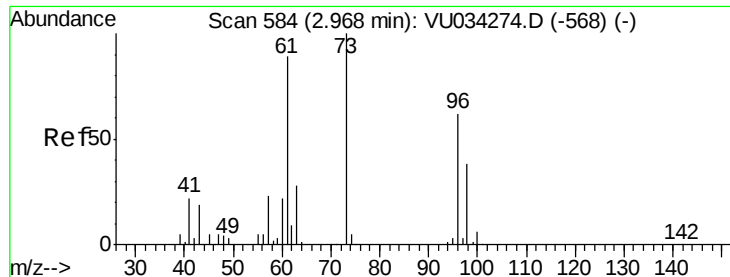
MMDadoda  
9/10/2019 10:48:36 AM



#20  
Methylene Chloride  
Concen: 50.391 ug/l  
RT: 2.68 min Scan# 496  
Delta R.T. -0.00 min  
Lab File: VU034315.D  
Acq: 06 Sep 2019 08:52

Tgt Ion: 84 Resp: 201848  
Ion Ratio Lower Upper  
84 100  
49 121.2 96.0 144.0  
51 37.7 30.0 45.0  
86 64.3 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 47.574 ug/l

RT: 2.96 min Scan# 583

Delta R.T. -0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 170378

Ion Ratio Lower Upper

96 100

61 141.8 114.8 172.2

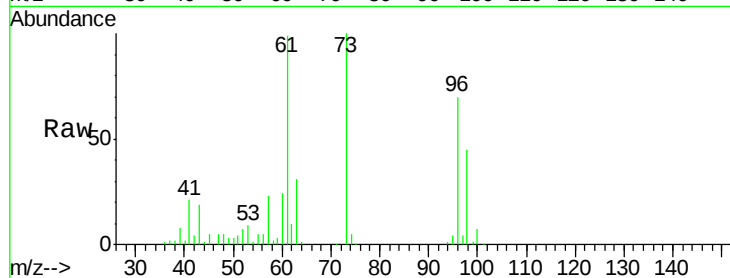
98 63.6 49.8 74.8

Manual Integrations

APPROVED

MMDadoda

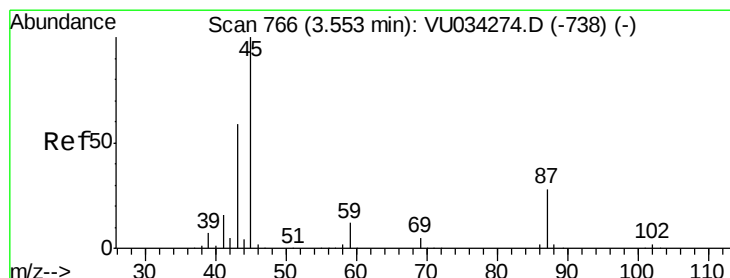
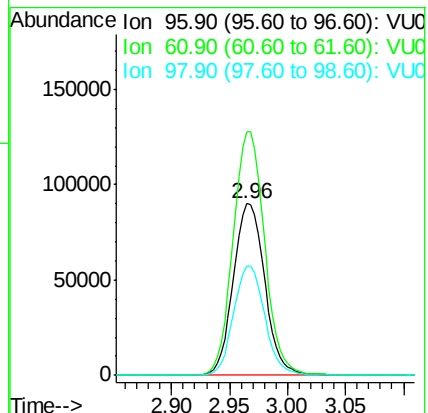
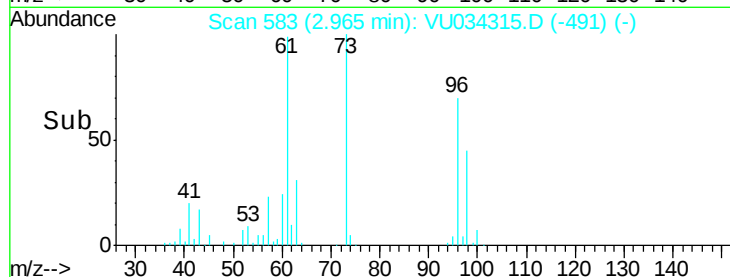
9/10/2019 10:48:36 AM



Abundance Ion 95.90 (95.60 to 96.60): VU034315.D (-491) (-)

Ion 60.90 (60.60 to 61.60): VU034315.D (-491) (-)

Ion 97.90 (97.60 to 98.60): VU034315.D (-491) (-)



#22

Diisopropyl ether

Concen: 49.703 ug/l

RT: 3.55 min Scan# 765

Delta R.T. -0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

Tgt Ion: 45 Resp: 629759

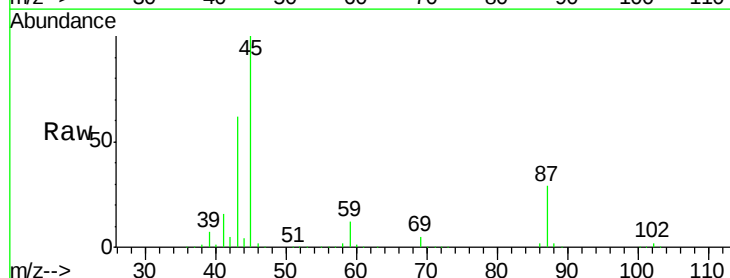
Ion Ratio Lower Upper

45 100

43 61.6 47.5 71.3

87 29.0 22.2 33.4

59 12.1 9.4 14.2

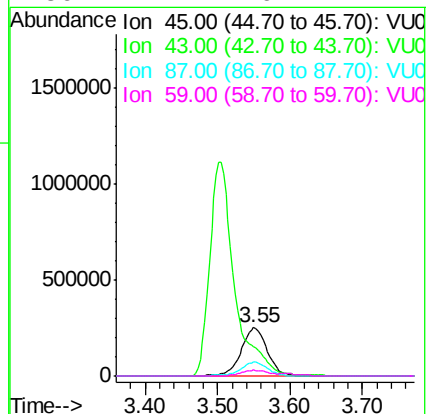
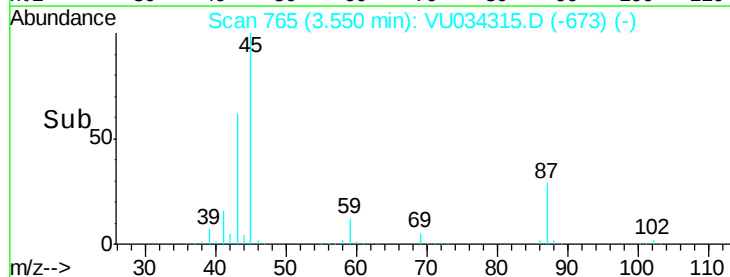


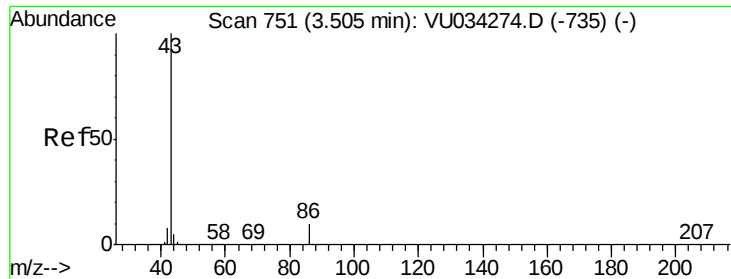
Abundance Ion 45.00 (44.70 to 45.70): VU034315.D (-673) (-)

Ion 43.00 (42.70 to 43.70): VU034315.D (-673) (-)

Ion 87.00 (86.70 to 87.70): VU034315.D (-673) (-)

Ion 59.00 (58.70 to 59.70): VU034315.D (-673) (-)





#23

Vinyl Acetate

Concen: 256.726 ug/l

RT: 3.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2649636

Ion Ratio Lower Upper

43 100

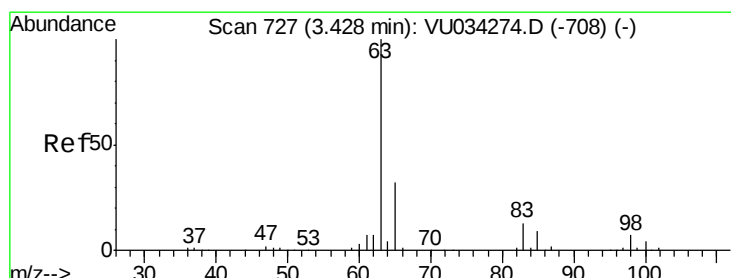
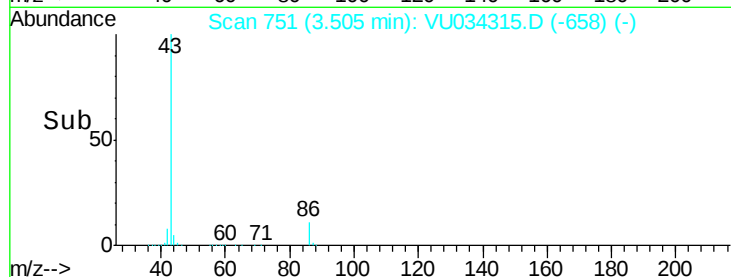
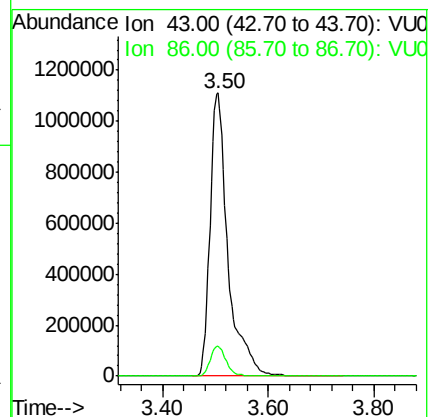
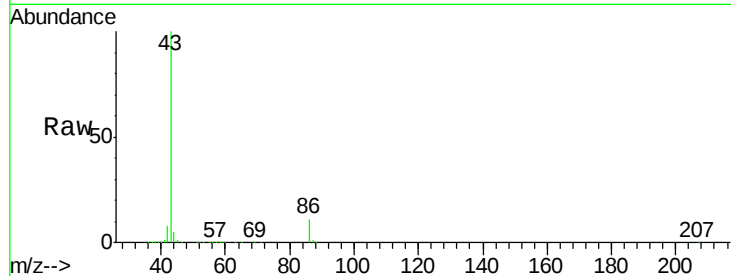
86 10.6 8.3 12.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 46.971 ug/l

RT: 3.42 min Scan# 726

Delta R.T. -0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

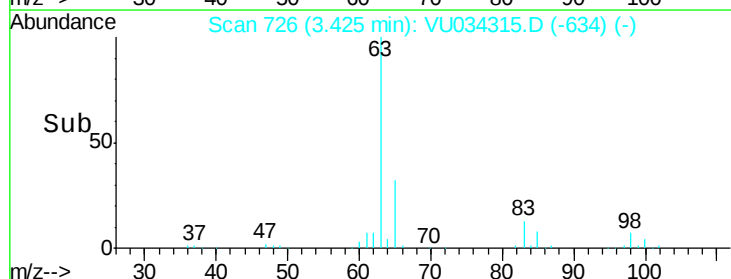
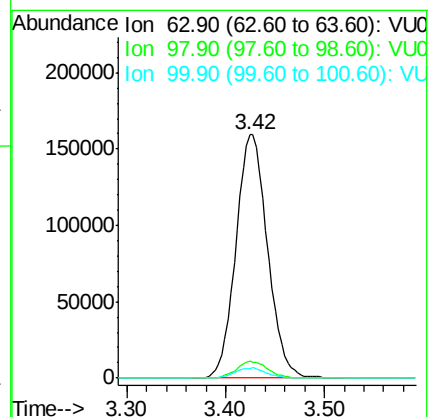
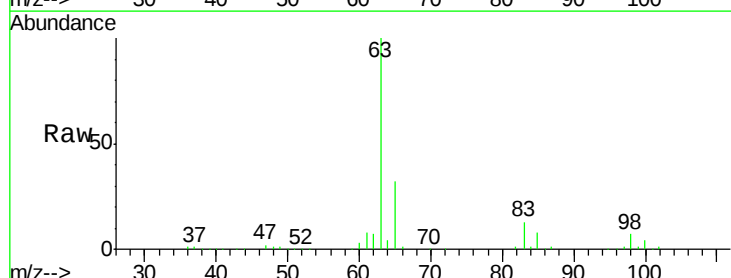
Tgt Ion: 63 Resp: 355418

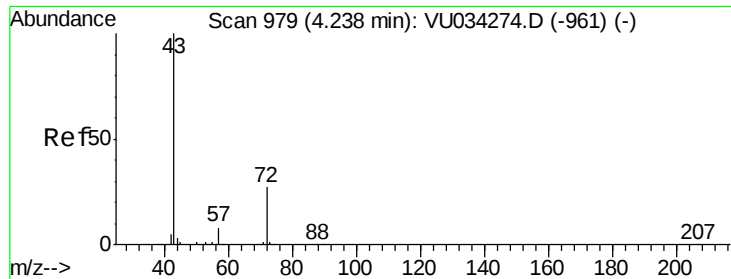
Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.4

100 4.1 2.1 6.5





#25

2-Butanone

Concen: 278.031 ug/l

RT: 4.23 min Scan# 978

Delta R.T. -0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 907686

Ion Ratio Lower Upper

43 100

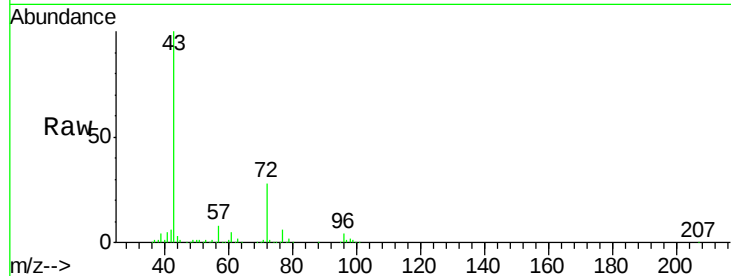
72 27.7 21.8 32.6

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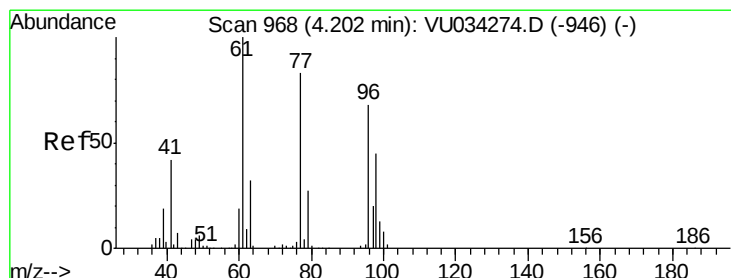
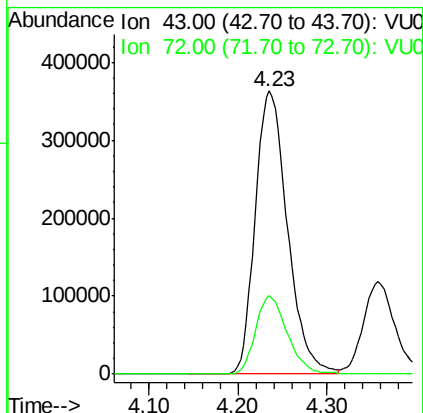
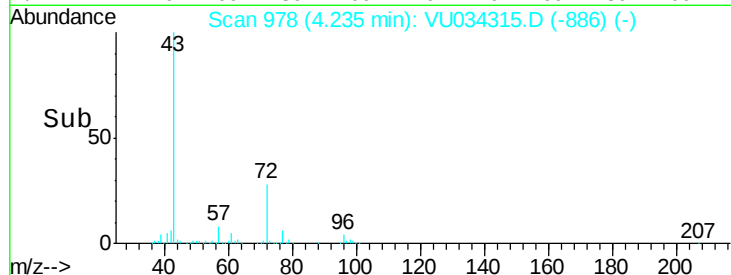
Abundance Ion 43.00 (42.70 to 43.70): VU034315.D (-886) (-)

Ion 72.00 (71.70 to 72.70): VU034315.D (-886) (-)

4.23

4.20

4.30



#26

2,2-Dichloropropane

Concen: 48.534 ug/l

RT: 4.20 min Scan# 967

Delta R.T. -0.00 min

Lab File: VU034315.D

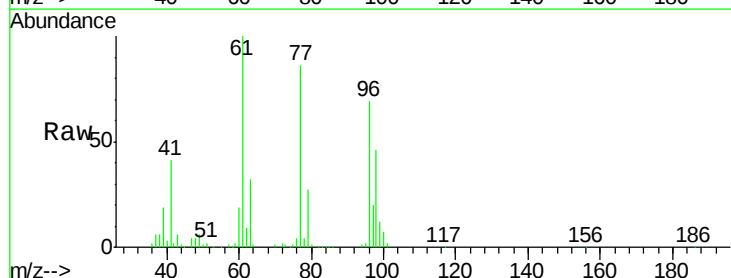
Acq: 06 Sep 2019 08:52

Tgt Ion: 77 Resp: 295365

Ion Ratio Lower Upper

77 100

97 23.8 11.8 35.3



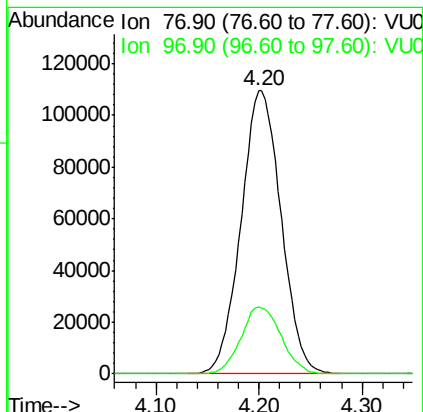
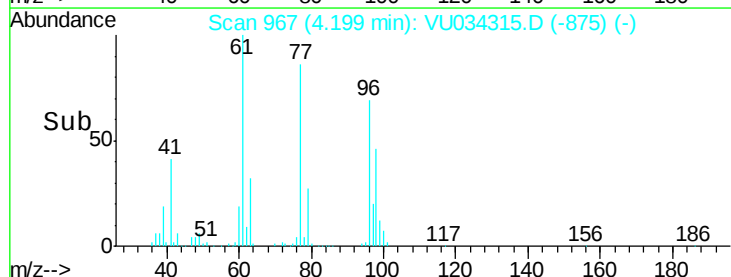
Abundance Ion 76.90 (76.60 to 77.60): VU034315.D (-875) (-)

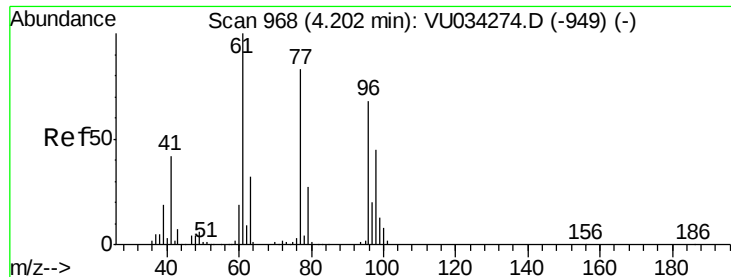
Ion 96.90 (96.60 to 97.60): VU034315.D (-875) (-)

4.20

4.10

4.30





#27

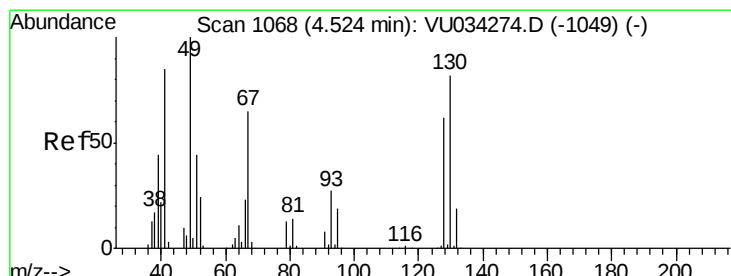
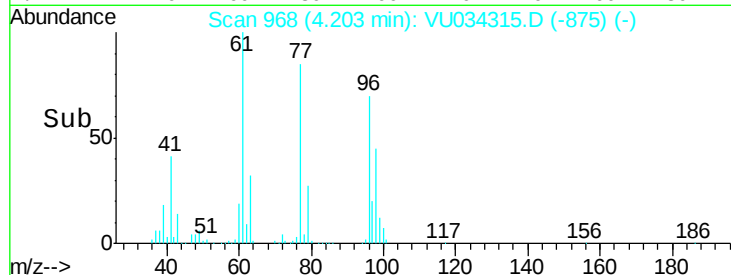
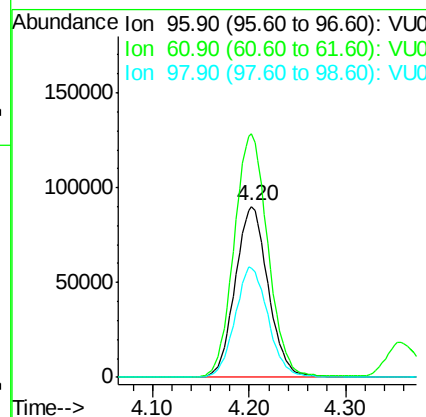
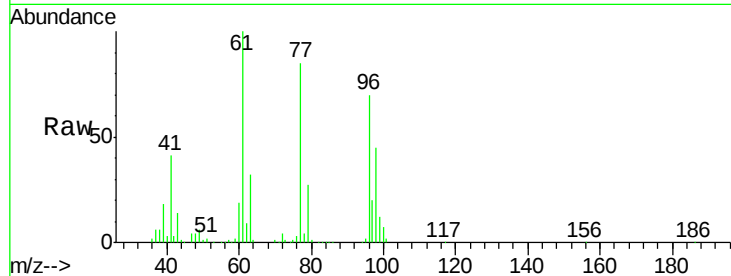
cis-1,2-Dichloroethene  
Concen: 49.130 ug/l  
RT: 4.20 min Scan# 968  
Delta R.T. 0.00 min  
Lab File: VU034315.D  
Acq: 06 Sep 2019 08:52

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 213695 |       |       |
| 61      | 146.2 | 0.0    | 297.4 |       |
| 98      | 64.4  | 0.0    | 130.0 |       |

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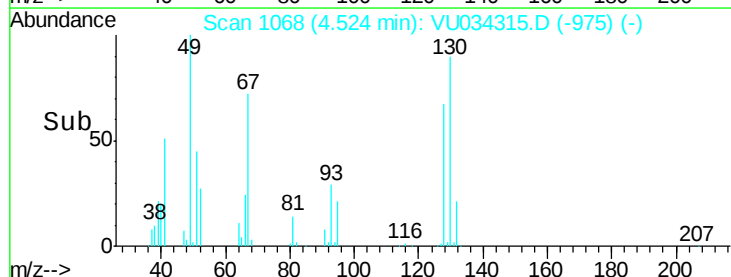
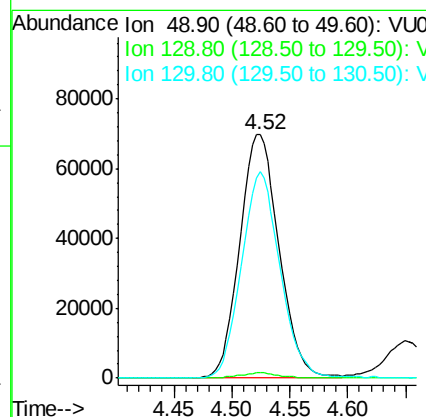
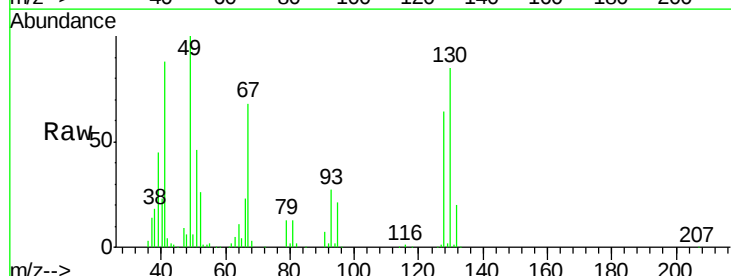
MMDadoda  
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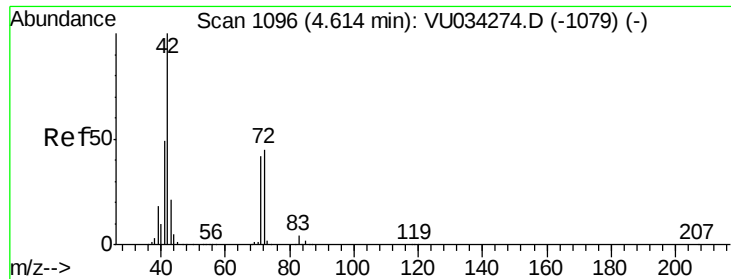


#28

Bromochloromethane  
Concen: 47.255 ug/l  
RT: 4.52 min Scan# 1068  
Delta R.T. 0.00 min  
Lab File: VU034315.D  
Acq: 06 Sep 2019 08:52

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 164464 |       |       |
| 129     | 2.1   | 0.0    | 3.8   |       |
| 130     | 83.1  | 65.2   | 97.8  |       |





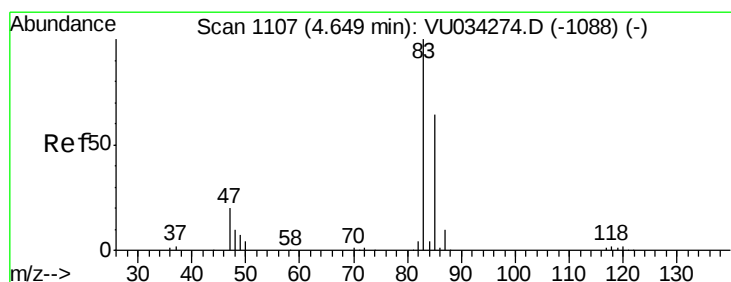
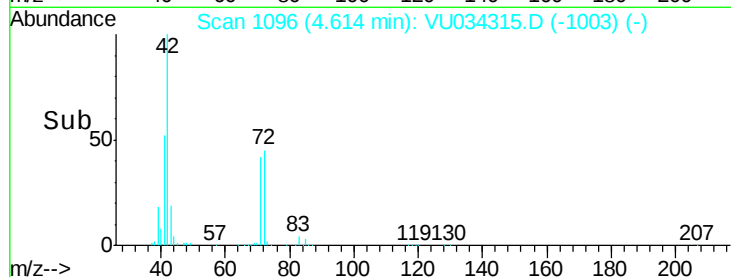
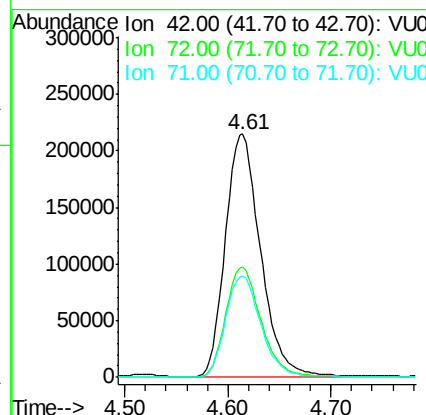
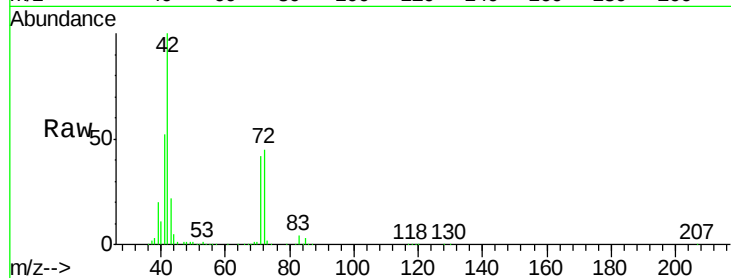
#29  
Tetrahydrofuran  
Concen: 256.359 ug/l  
RT: 4.61 min Scan# 1096  
Delta R.T. 0.00 min  
Lab File: VU034315.D  
Acq: 06 Sep 2019 08:52

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 45.8  | 36.6  | 54.8  |
| 71      | 42.7  | 34.3  | 51.5  |

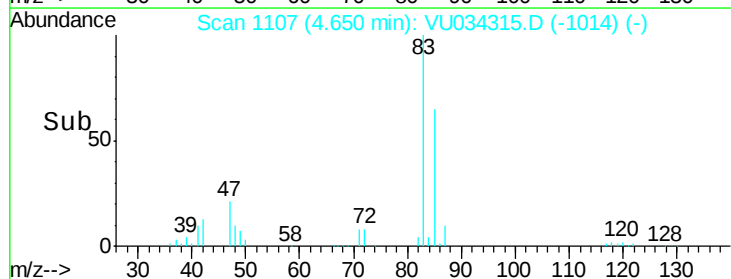
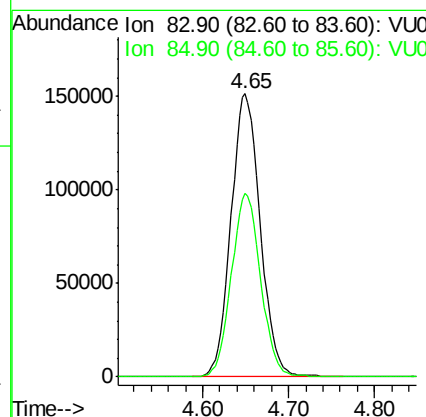
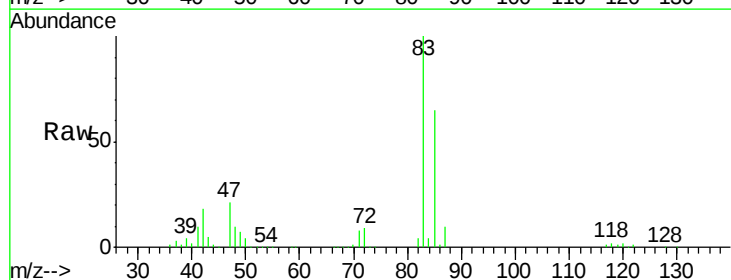
Manual Integrations  
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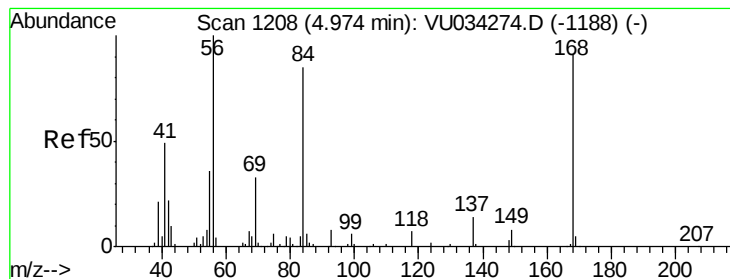
MMDadoda  
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#30  
Chloroform  
Concen: 46.506 ug/l  
RT: 4.65 min Scan# 1107  
Delta R.T. 0.00 min  
Lab File: VU034315.D  
Acq: 06 Sep 2019 08:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.9  | 51.5  | 77.3  |





#31

Cyclohexane

Concen: 47.323 ug/l

RT: 4.97 min Scan# 1207

Delta R.T. -0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 261963

Ion Ratio Lower Upper

56 100

69 32.0 26.7 40.1

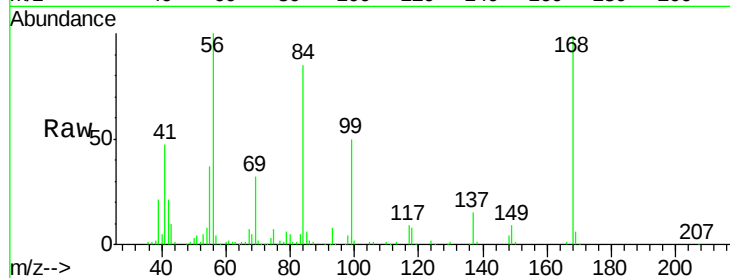
84 84.0 68.2 102.4

Manual Integrations

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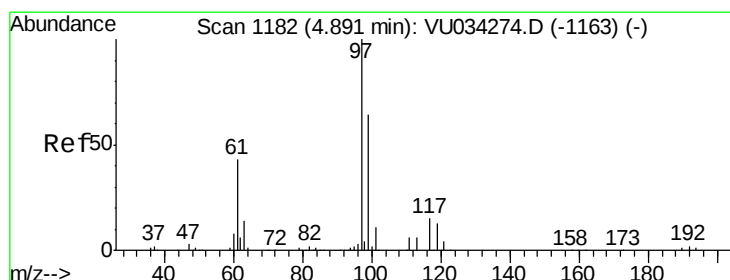
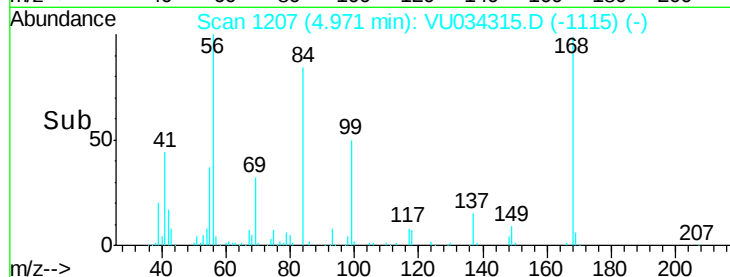
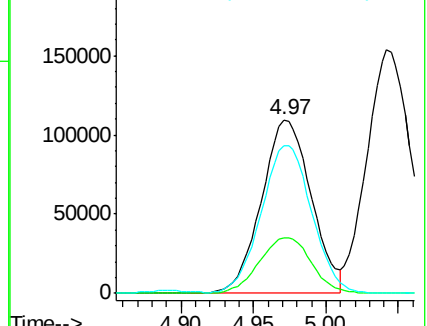
9/10/2019 10:48:36 AM



Abundance Ion 56.00 (55.70 to 56.70): VU034315.D (-1188) (-)

Ion 69.00 (68.70 to 69.70): VU034315.D (-1188) (-)

Ion 84.00 (83.70 to 84.70): VU034315.D (-1188) (-)



#32

1,1,1-Trichloroethane

Concen: 47.310 ug/l

RT: 4.89 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

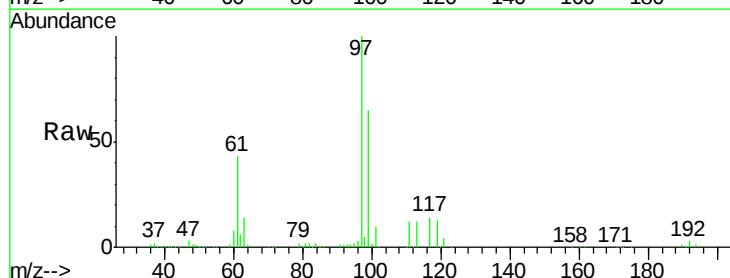
Tgt Ion: 97 Resp: 290929

Ion Ratio Lower Upper

97 100

99 64.1 50.9 76.3

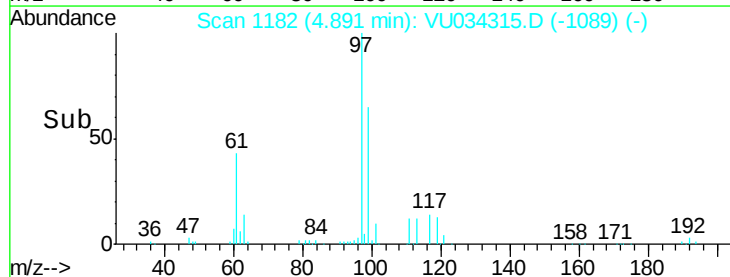
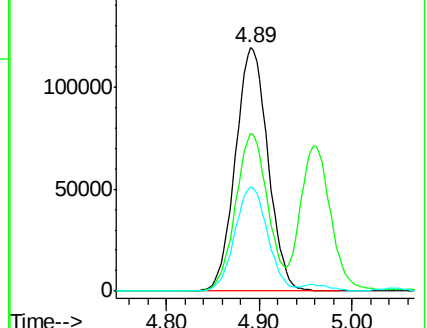
61 43.0 34.7 52.1

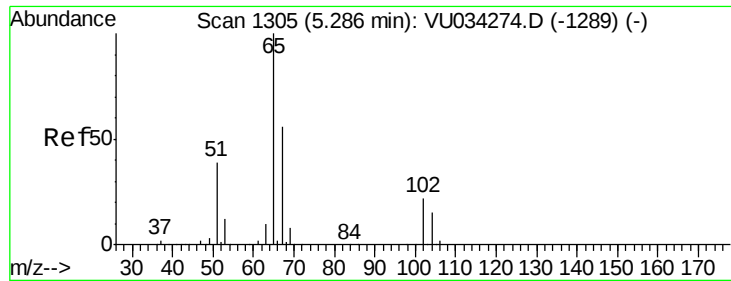


Abundance Ion 96.90 (96.60 to 97.60): VU034315.D (-1089) (-)

Ion 98.90 (98.60 to 99.60): VU034315.D (-1089) (-)

Ion 60.90 (60.60 to 61.60): VU034315.D (-1089) (-)





#33

1,2-Dichloroethane-d4

Concen: 48.972 ug/l

RT: 5.29 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 231444

Ion Ratio Lower Upper

65 100

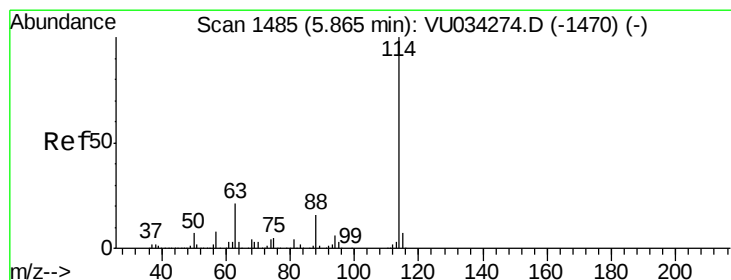
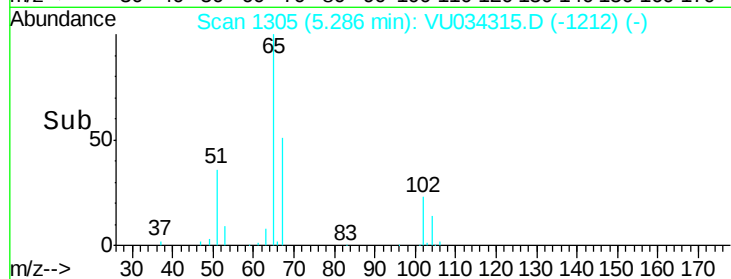
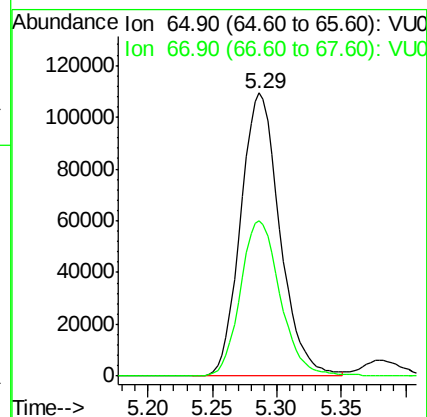
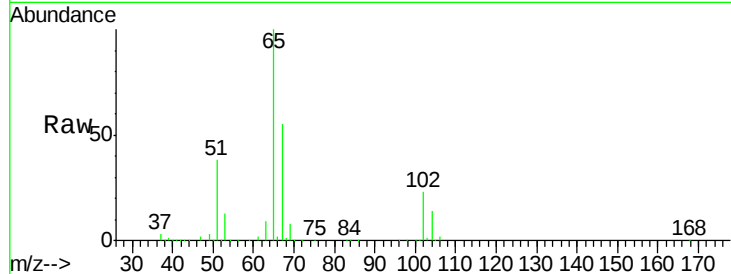
67 55.7 0.0 112.4

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

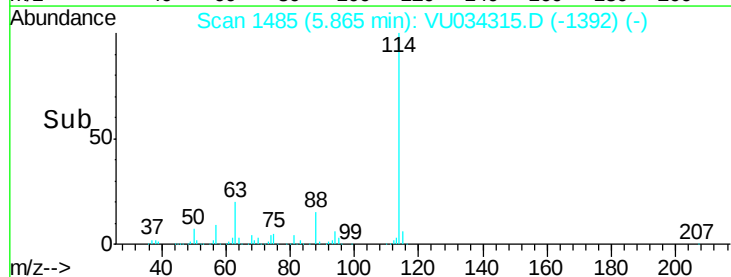
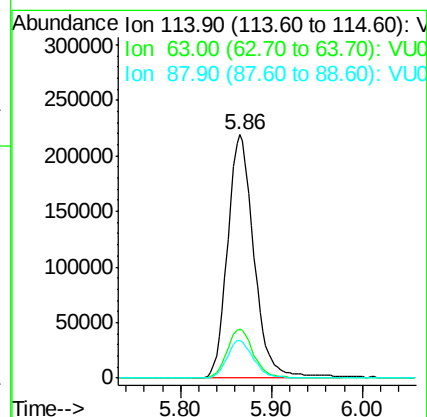
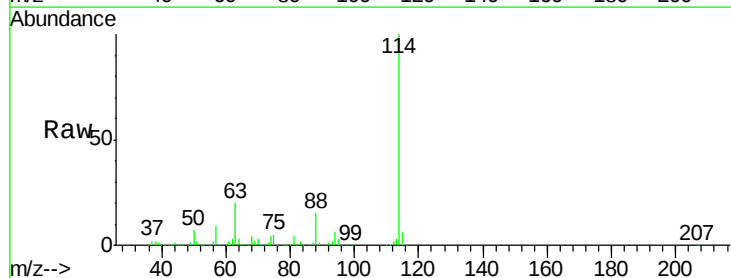
Tgt Ion: 114 Resp: 442121

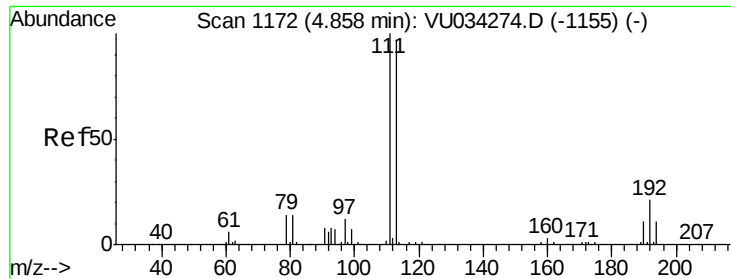
Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.4

88 15.5 0.0 32.4





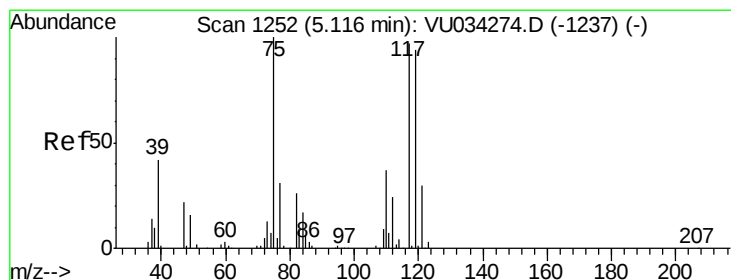
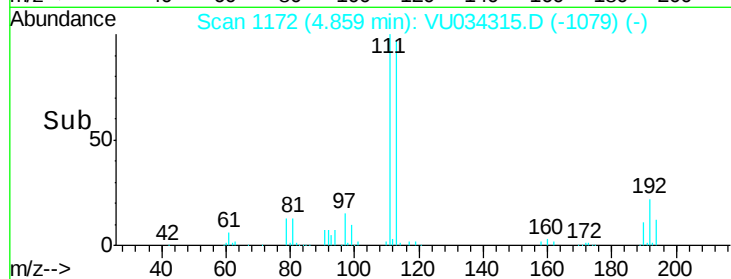
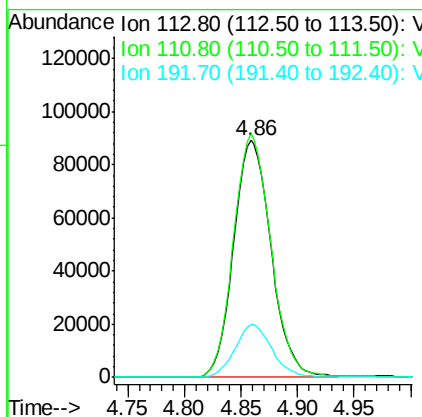
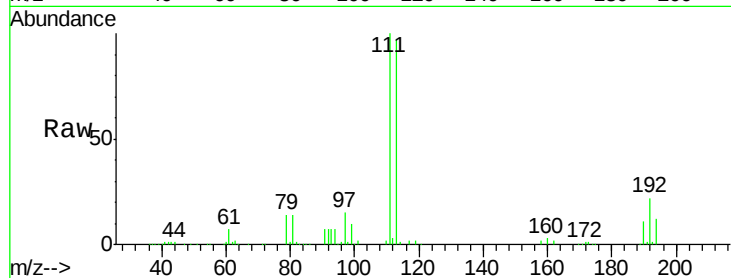
#35  
 Dibromofluoromethane  
 Concen: 50.030 ug/l  
 RT: 4.86 min Scan# 1172  
 Delta R.T. 0.00 min  
 Lab File: VU034315.D  
 Acq: 06 Sep 2019 08:52

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 205821 |       |       |
| 111     | 102.1 | 81.5   | 122.3 |       |
| 192     | 22.0  | 17.8   | 26.8  |       |

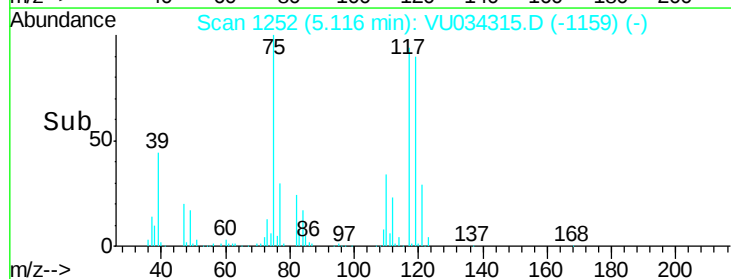
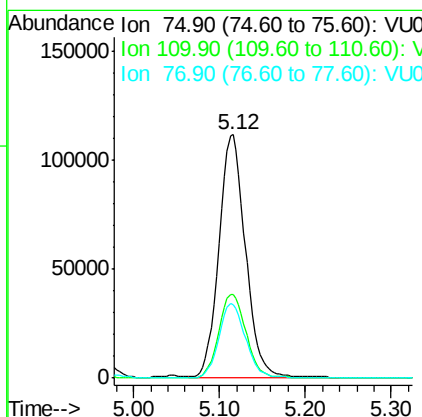
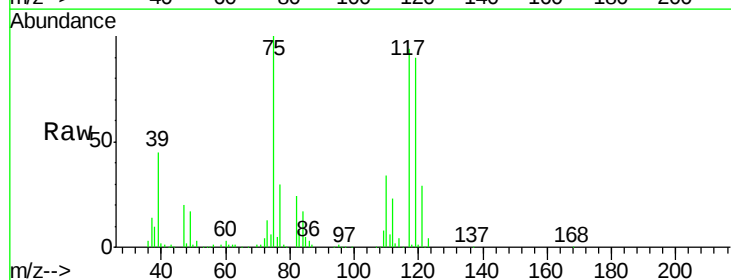
Manual Integrations  
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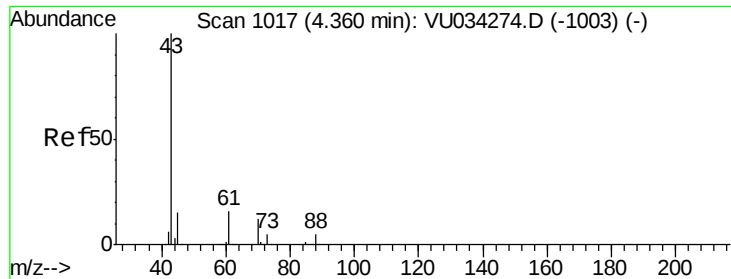
MMDadoda  
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#36  
 1,1-Dichloropropene  
 Concen: 49.640 ug/l  
 RT: 5.12 min Scan# 1252  
 Delta R.T. 0.00 min  
 Lab File: VU034315.D  
 Acq: 06 Sep 2019 08:52

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 238016 |       |       |
| 110     | 35.7  | 18.3   | 54.9  |       |
| 77      | 30.6  | 24.9   | 37.3  |       |





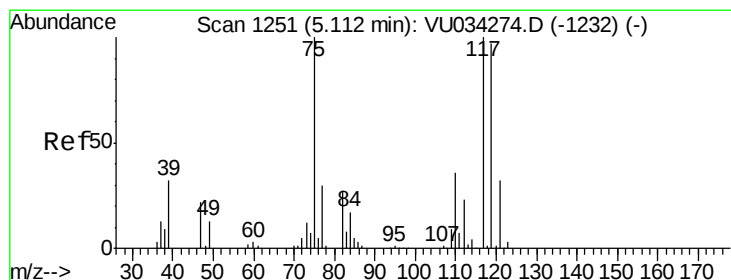
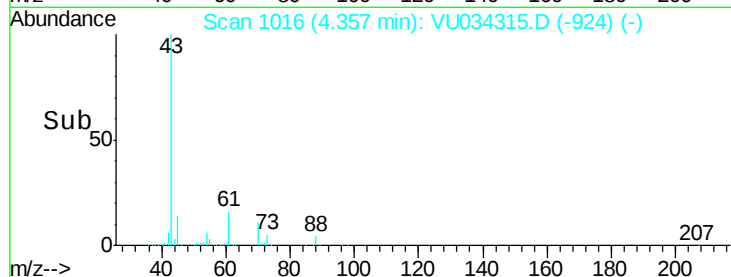
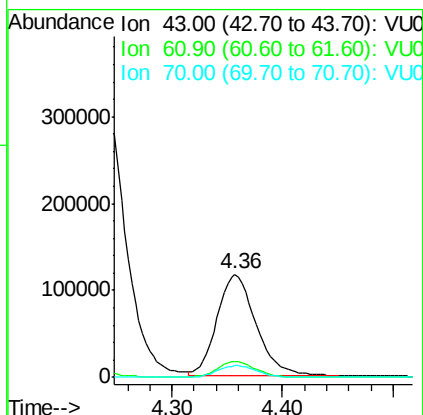
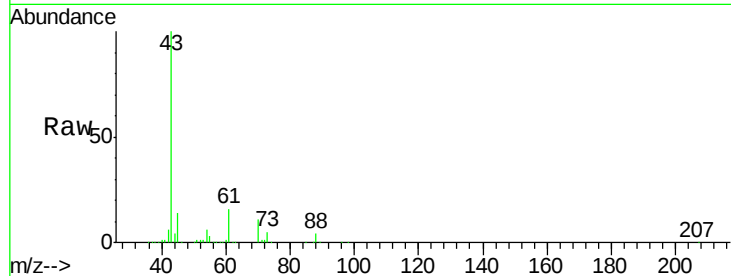
#37  
Ethyl Acetate  
Concen: 50.583 ug/l  
RT: 4.36 min Scan# 1016  
Delta R.T. -0.00 min  
Lab File: VU034315.D  
Acq: 06 Sep 2019 08:52

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 15.2  | 12.3  | 18.5  |
| 70      | 11.6  | 9.1   | 13.7  |

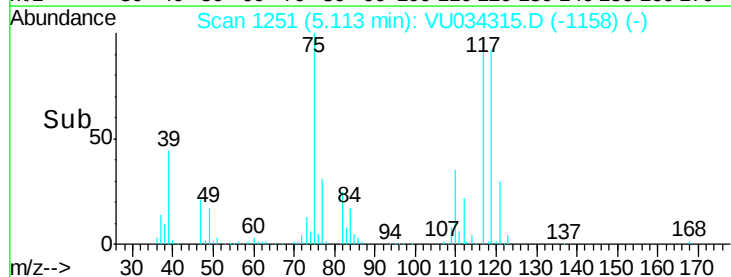
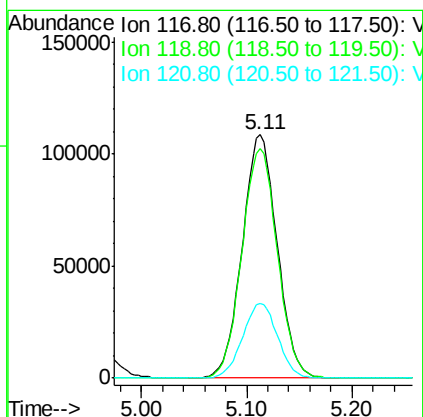
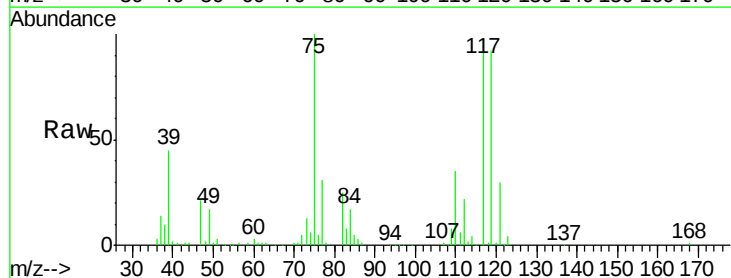
Manual Integrations  
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#38  
Carbon Tetrachloride  
Concen: 48.672 ug/l  
RT: 5.11 min Scan# 1251  
Delta R.T. 0.00 min  
Lab File: VU034315.D  
Acq: 06 Sep 2019 08:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 94.3  | 77.8  | 116.6 |
| 121     | 30.6  | 25.2  | 37.8  |





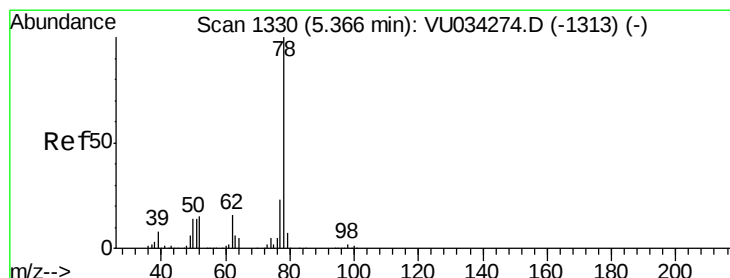
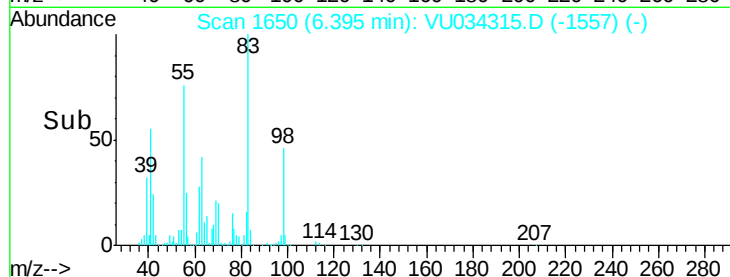
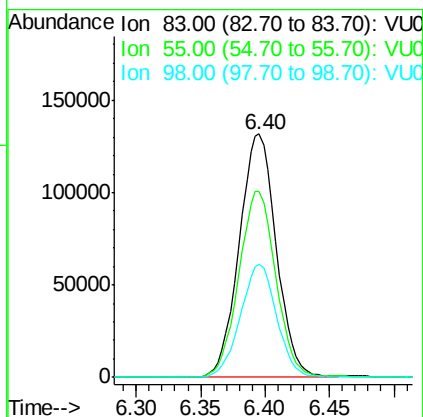
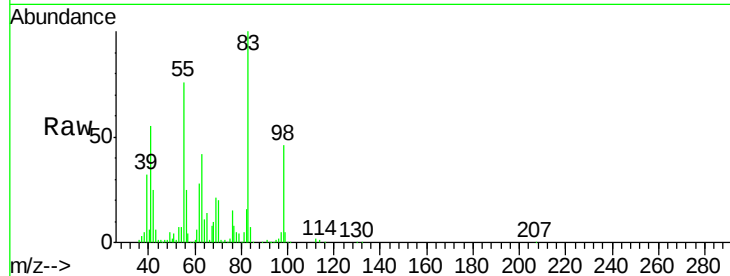
#39  
Methvlcvclohexane  
Concen: 51.416 ug/l  
RT: 6.40 min Scan# 1650  
Delta R.T. 0.00 min  
Lab File: VU034315.D  
Acq: 06 Sep 2019 08:52

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 76.5  | 62.1  | 93.1  |
| 98      | 46.4  | 37.0  | 55.6  |

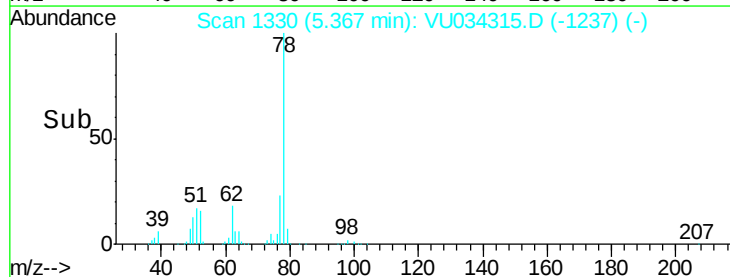
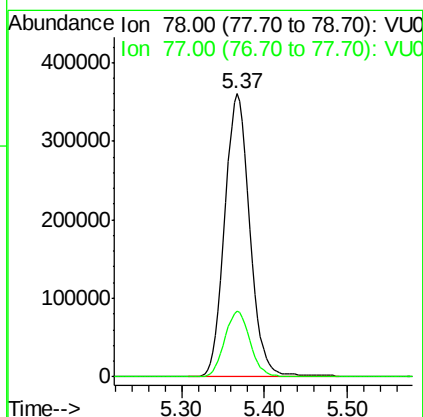
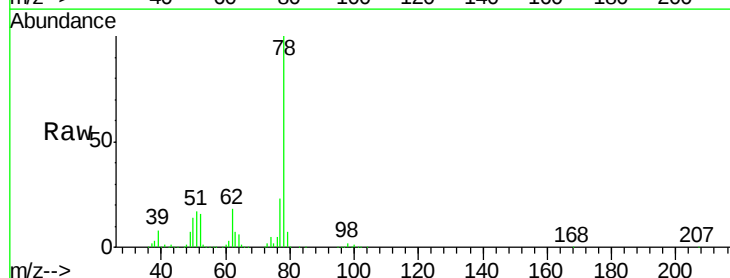
Manual Integrations  
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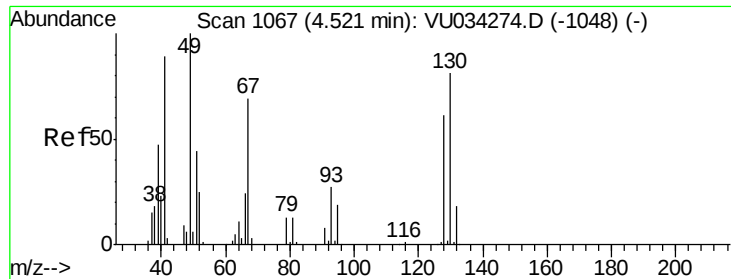
MMDadoda  
9/10/2019 10:48:36 AM



#40  
Benzene  
Concen: 49.190 ug/l  
RT: 5.37 min Scan# 1330  
Delta R.T. 0.00 min  
Lab File: VU034315.D  
Acq: 06 Sep 2019 08:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.3  | 18.7  | 28.1  |





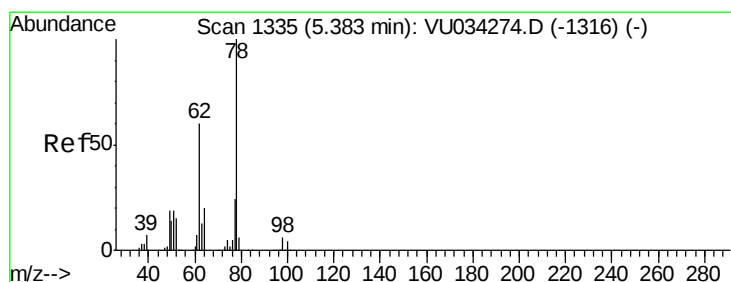
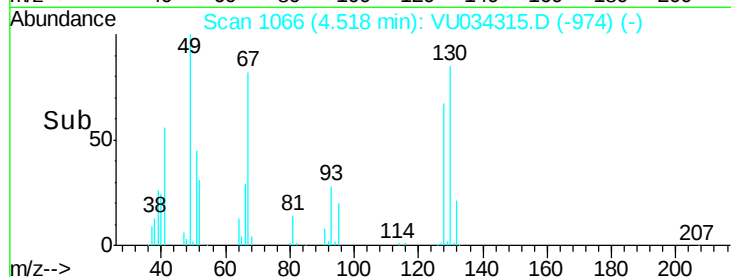
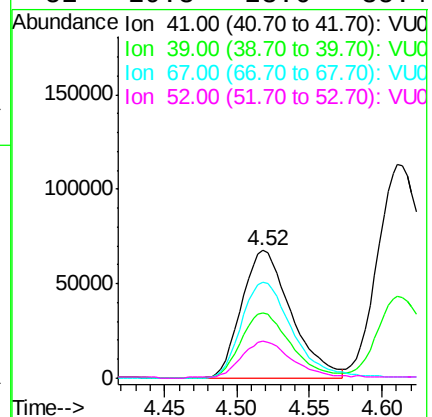
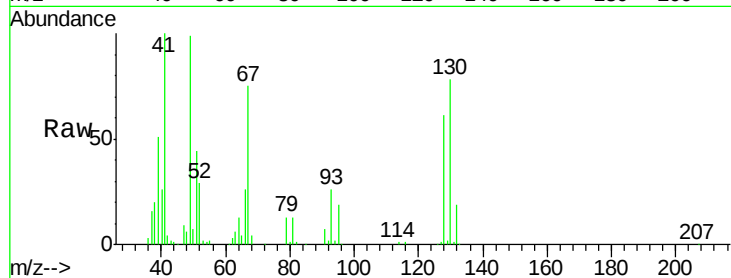
#41  
Methacrylonitrile  
Concen: 53.091 ug/l  
RT: 4.52 min Scan# 1066  
Delta R.T. -0.00 min  
Lab File: VU034315.D  
Acq: 06 Sep 2019 08:52

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 51.6  | 41.0  | 61.4  |
| 67      | 78.9  | 62.4  | 93.6  |
| 52      | 29.3  | 23.6  | 35.4  |

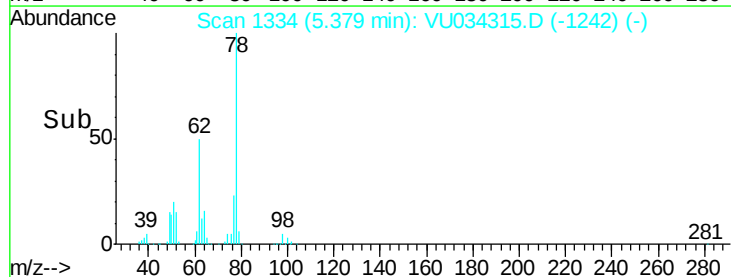
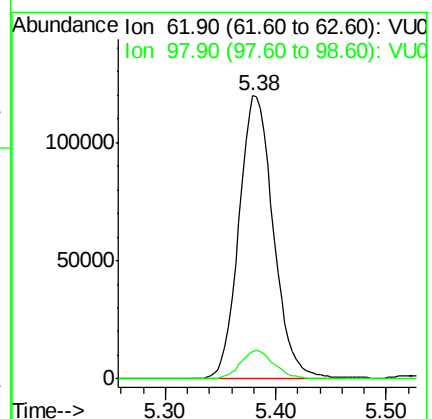
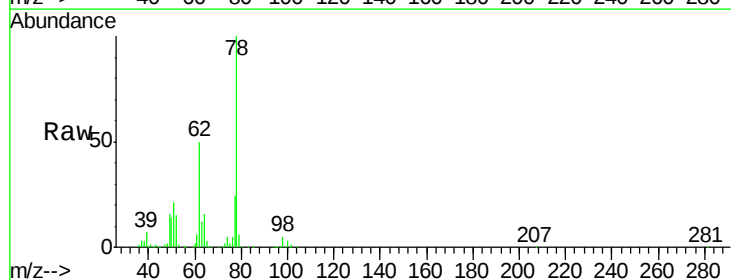
Manual Integrations  
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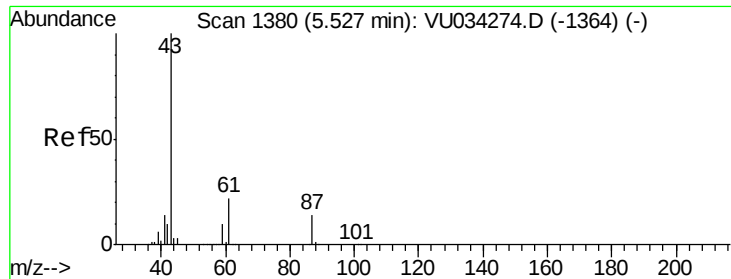
MMDadoda  
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#42  
1,2-Dichloroethane  
Concen: 48.228 ug/l  
RT: 5.38 min Scan# 1334  
Delta R.T. -0.00 min  
Lab File: VU034315.D  
Acq: 06 Sep 2019 08:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 10.0  | 0.0   | 20.0  |





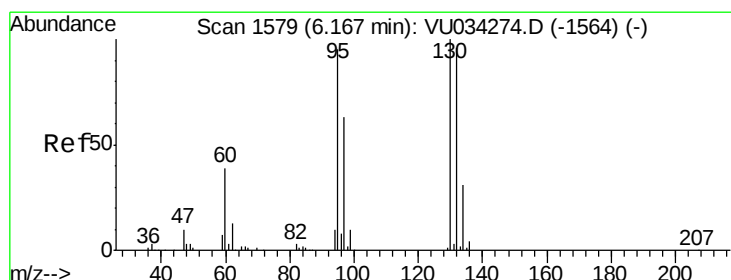
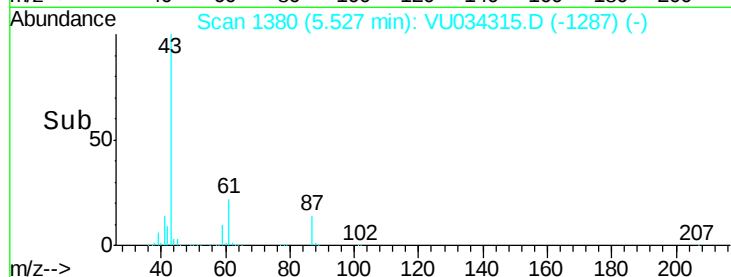
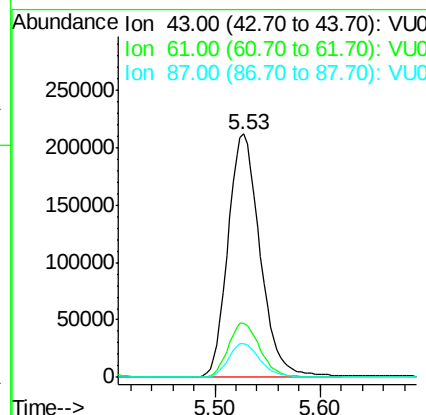
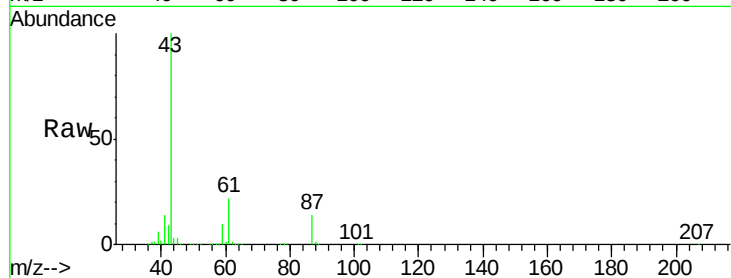
#43  
Isopropyl Acetate  
Concen: 50.351 ug/l  
RT: 5.53 min Scan# 1380  
Delta R.T. 0.00 min  
Lab File: VU034315.D  
Acq: 06 Sep 2019 08:52

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 22.4  | 17.1  | 25.7  |
| 87      | 13.9  | 11.1  | 16.7  |

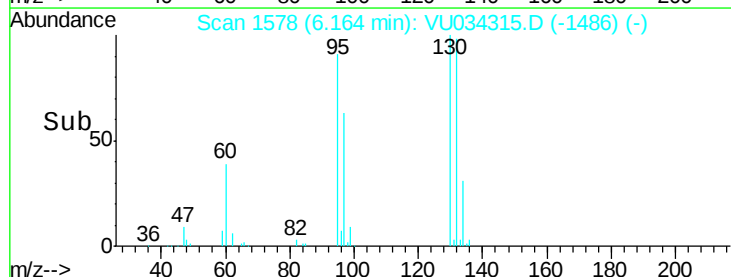
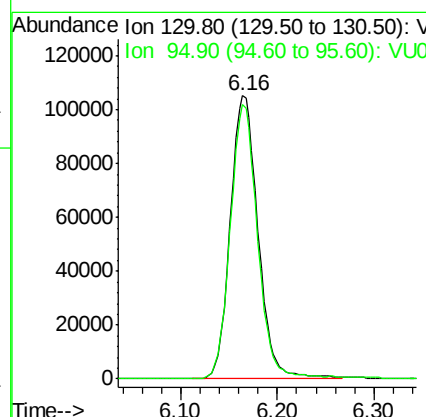
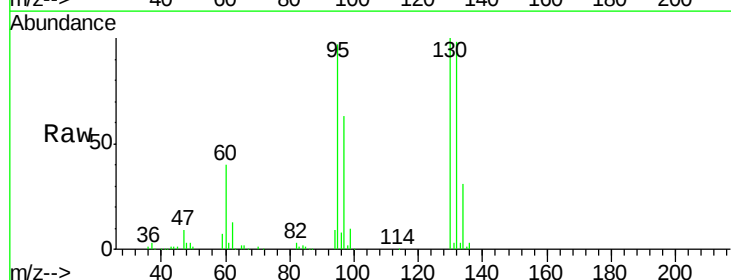
Manual Integrations  
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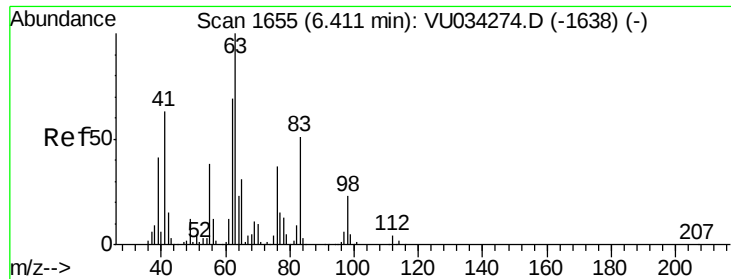
MMDadoda  
9/10/2019 10:48:36 AM



#44  
Trichloroethene  
Concen: 49.087 ug/l  
RT: 6.16 min Scan# 1578  
Delta R.T. -0.00 min  
Lab File: VU034315.D  
Acq: 06 Sep 2019 08:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 96.8  | 0.0   | 189.2 |





#45

1,2-Dichloropropane

Concen: 49.444 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 223639

Ion Ratio Lower Upper

63 100

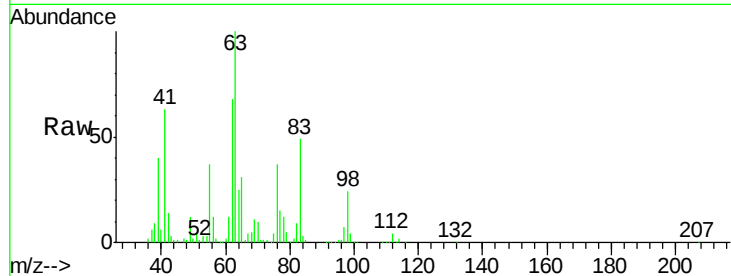
65 31.4 24.6 37.0

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Abundance Ion 62.90 (62.60 to 63.60): VU034274.D (-1638) (-)

Ion 64.90 (64.60 to 65.60): VU034274.D (-1638) (-)

6.41

120000

100000

80000

60000

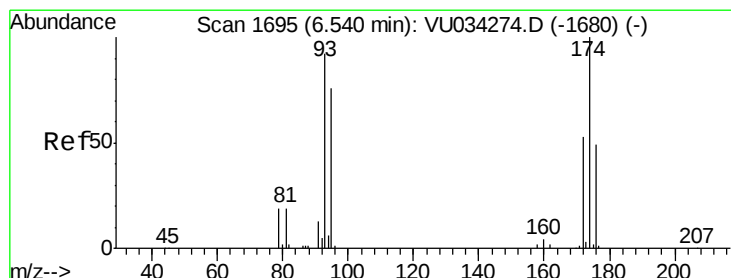
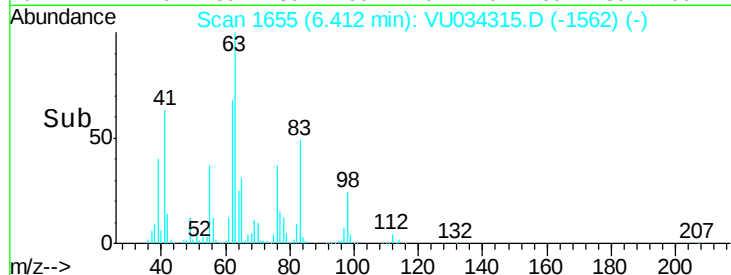
40000

20000

0

6.30 6.40 6.50

Time-->



#46

Dibromomethane

Concen: 48.980 ug/l

RT: 6.54 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

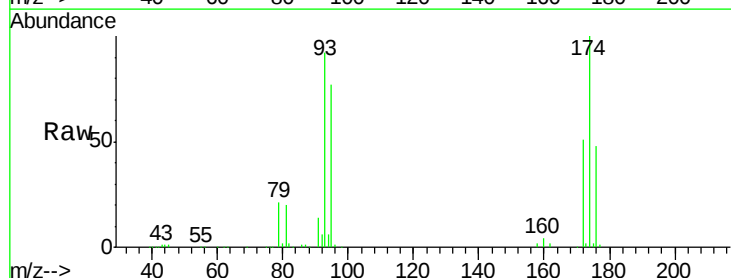
Tgt Ion: 93 Resp: 139061

Ion Ratio Lower Upper

93 100

95 84.4 66.5 99.7

174 112.1 87.8 131.6



Abundance Ion 92.80 (92.50 to 93.50): VU034274.D (-1680) (-)

Ion 94.80 (94.50 to 95.50): VU034274.D (-1680) (-)

Ion 173.70 (173.40 to 174.40): VU034274.D (-1680) (-)

100000

80000

60000

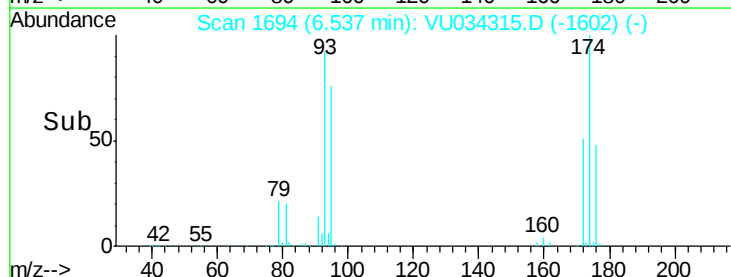
40000

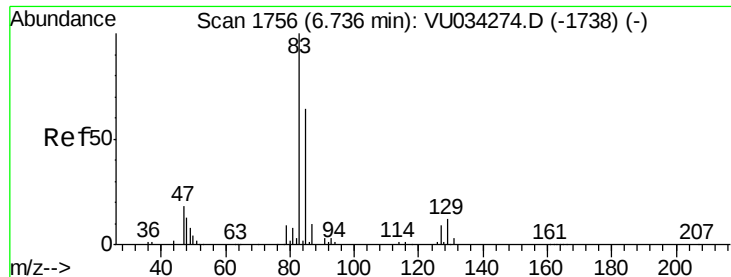
20000

0

6.50 6.54 6.60

Time-->





#47

Bromodichloromethane

Concen: 49.383 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

Instrument :

MSVOA\_U

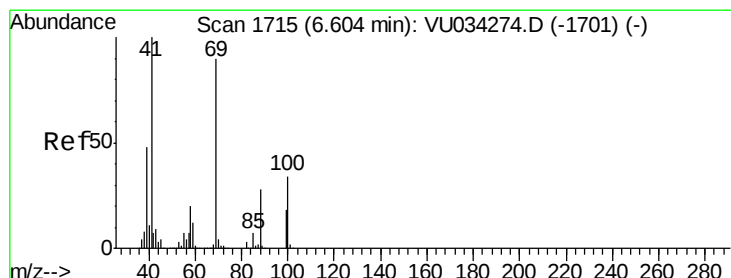
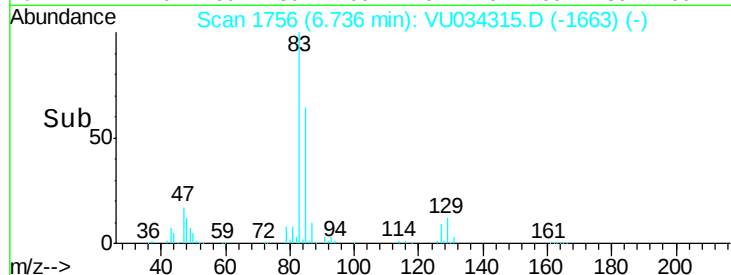
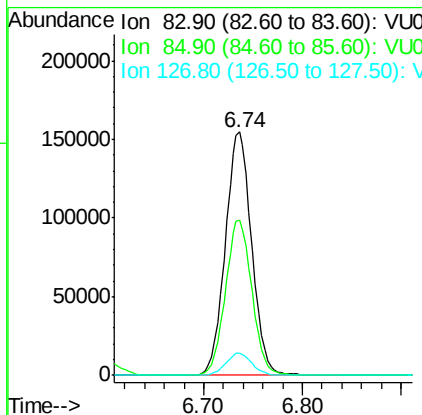
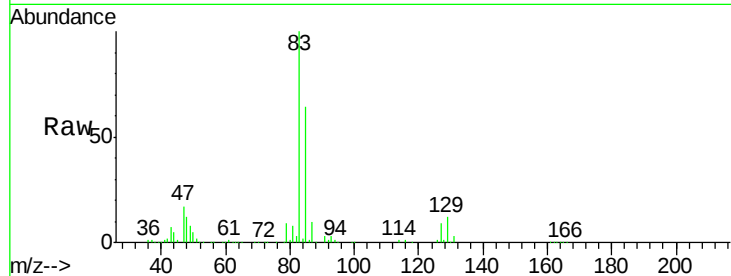
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 288602 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 63.8  | 51.1  | 76.7   |
| 127       | 9.1   | 7.2   | 10.8   |

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9/10/2019 10:48:36 AM



#48

Methyl methacrylate

Concen: 51.260 ug/l

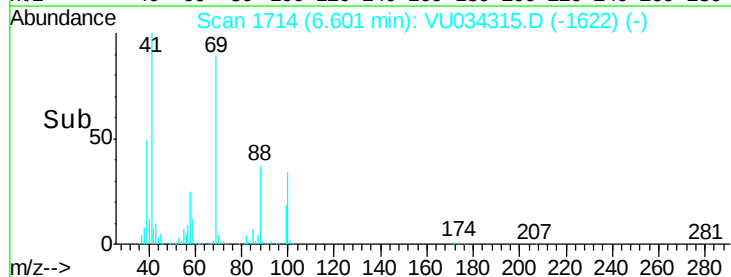
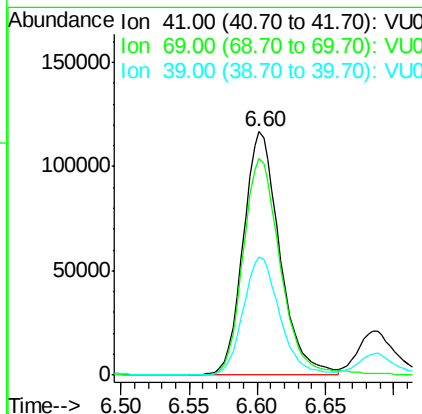
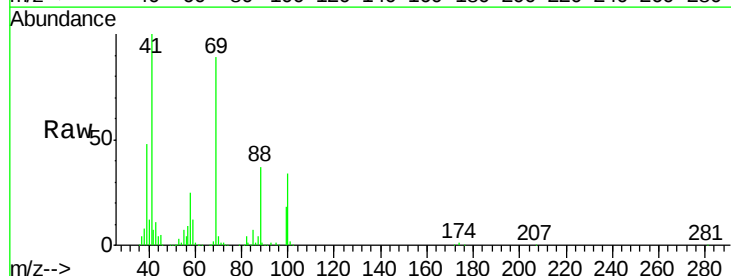
RT: 6.60 min Scan# 1714

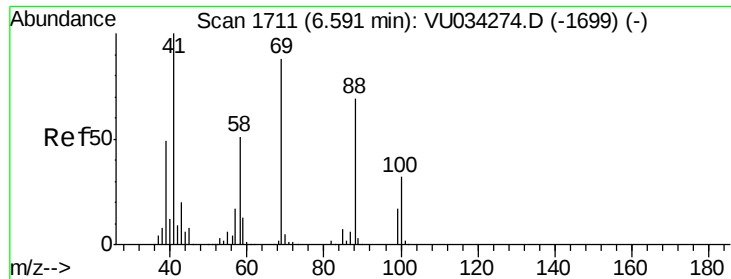
Delta R.T. -0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 215311 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 91.8  | 72.8  | 109.2  |
| 39        | 48.6  | 38.6  | 58.0   |





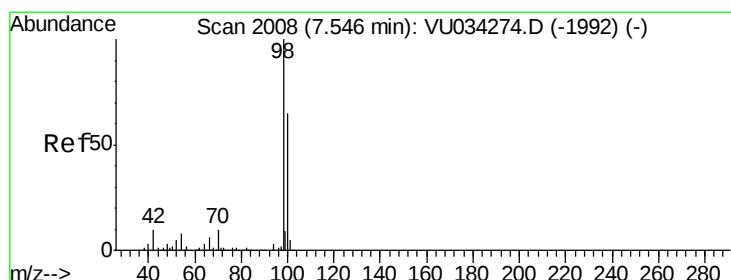
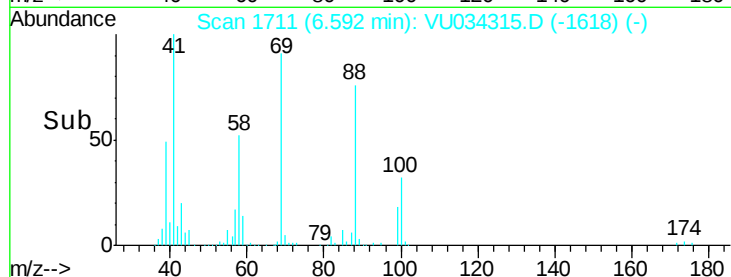
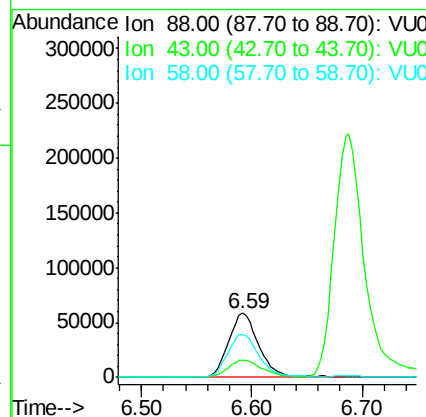
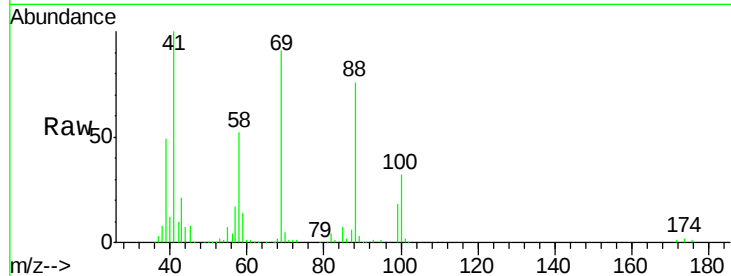
#49  
1,4-Dioxane  
Concen: 1194.325 ug/l  
RT: 6.59 min Scan# 1711  
Delta R.T. 0.00 min  
Lab File: VU034315.D  
Acq: 06 Sep 2019 08:52

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 88      | 100   | 109545 |       |       |
| 43      | 28.9  |        | 23.8  | 35.6  |
| 58      | 71.2  |        | 58.4  | 87.6  |

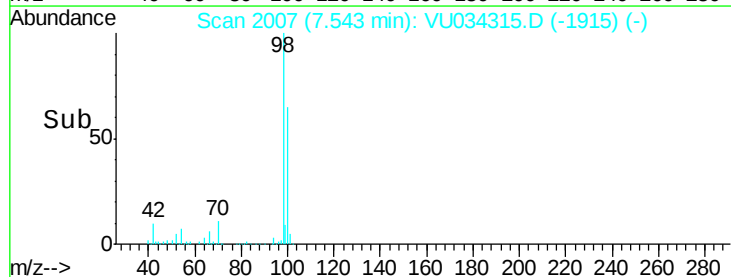
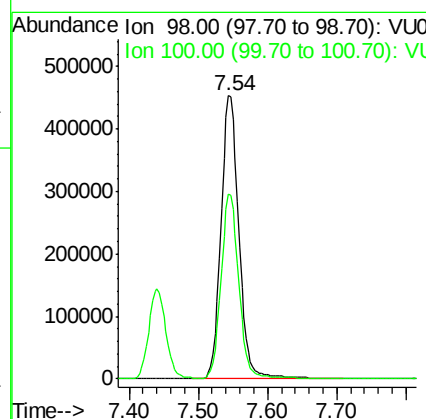
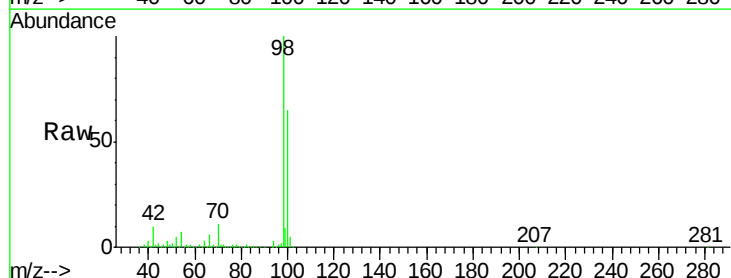
Manual Integrations  
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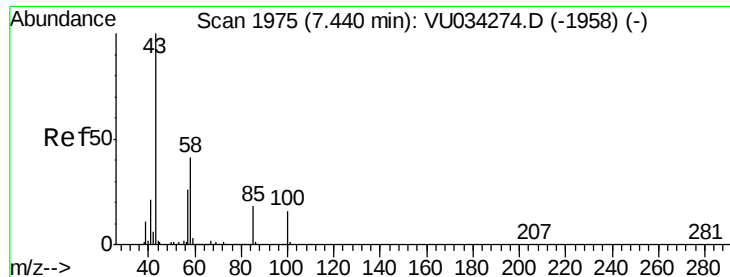
MMDadoda  
9/10/2019 10:48:36 AM



#50  
Toluene-d8  
Concen: 52.527 ug/l  
RT: 7.54 min Scan# 2007  
Delta R.T. -0.00 min  
Lab File: VU034315.D  
Acq: 06 Sep 2019 08:52

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 98      | 100   | 811862 |       |       |
| 100     | 63.9  |        | 51.7  | 77.5  |





#51

4-Methyl-2-Pentanone

Concen: 255.345 ug/l

RT: 7.44 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1563116

Ion Ratio Lower Upper

43 100

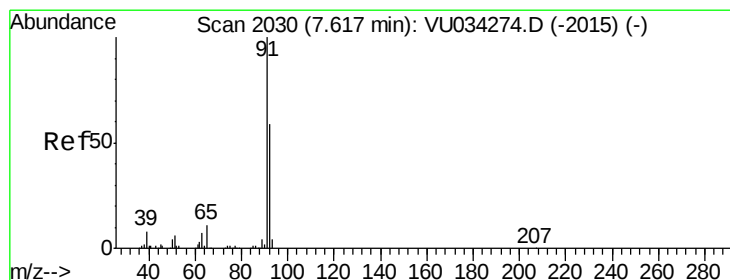
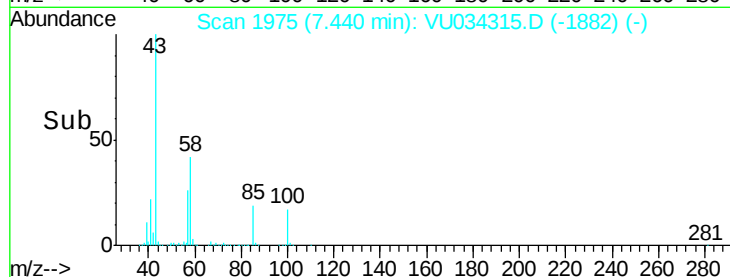
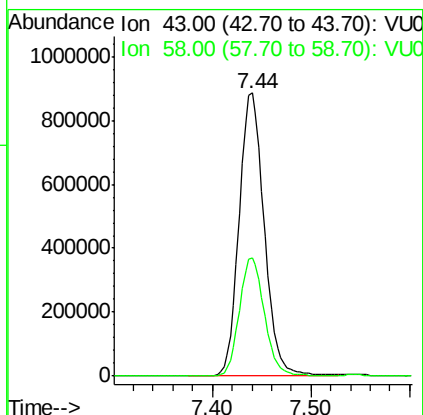
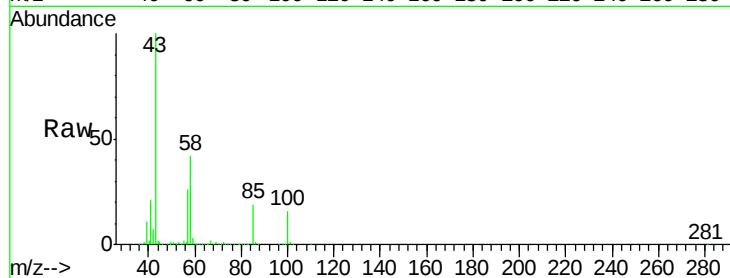
58 41.7 33.0 49.4

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#52

Toluene

Concen: 50.364 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034315.D

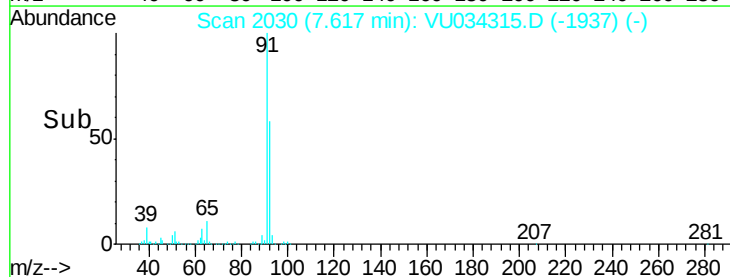
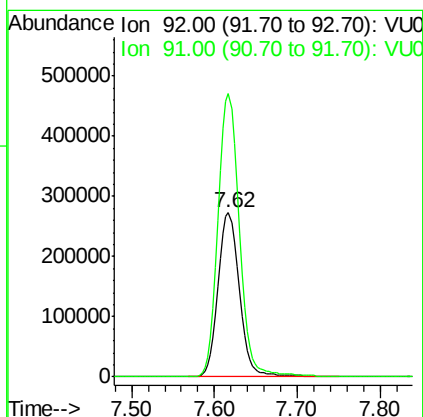
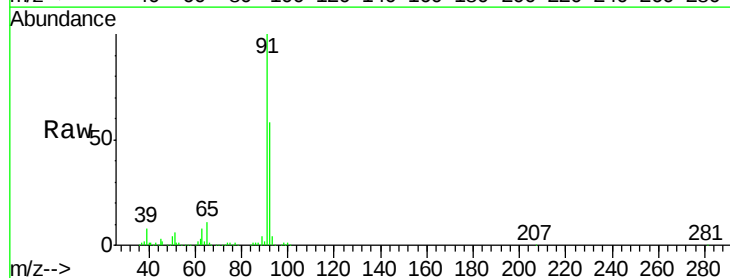
Acq: 06 Sep 2019 08:52

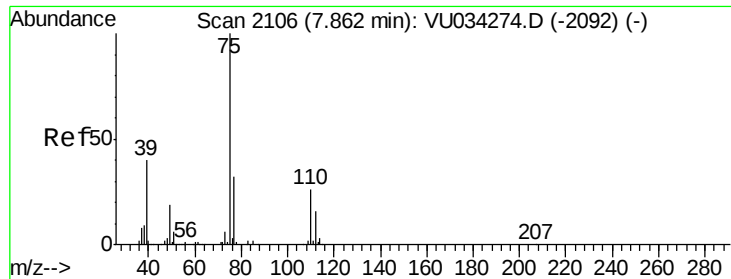
Tgt Ion: 92 Resp: 488807

Ion Ratio Lower Upper

92 100

91 172.8 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 51.473 ug/l

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 311832

Ion Ratio Lower Upper

75 100

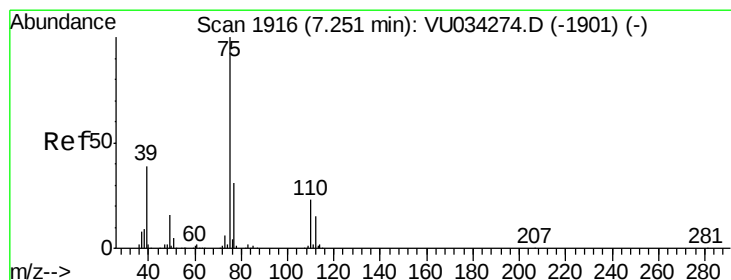
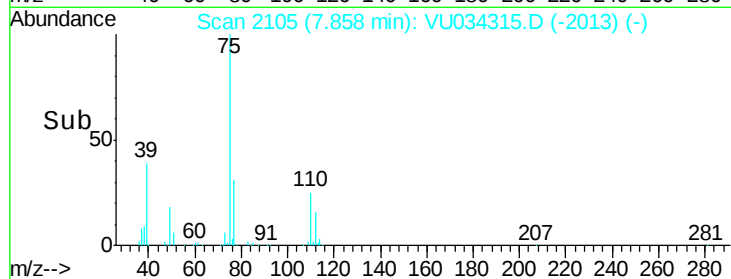
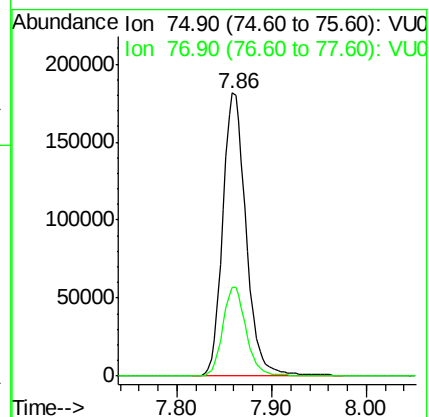
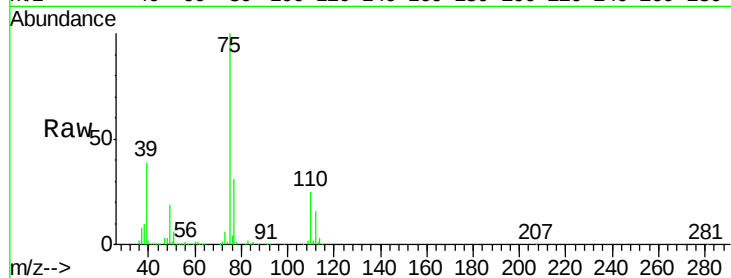
77 31.4 25.7 38.5

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 51.149 ug/l

RT: 7.25 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

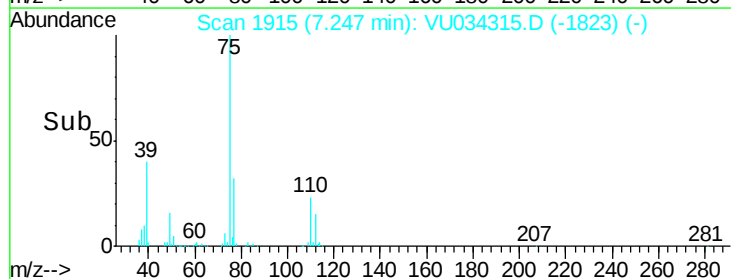
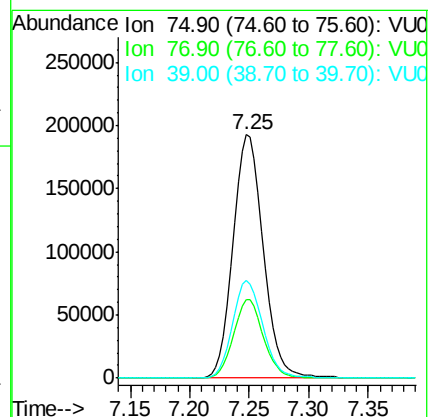
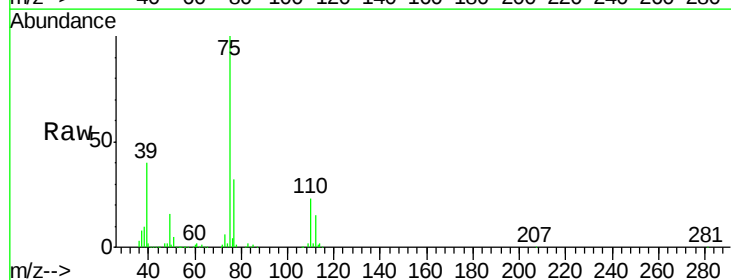
Tgt Ion: 75 Resp: 340095

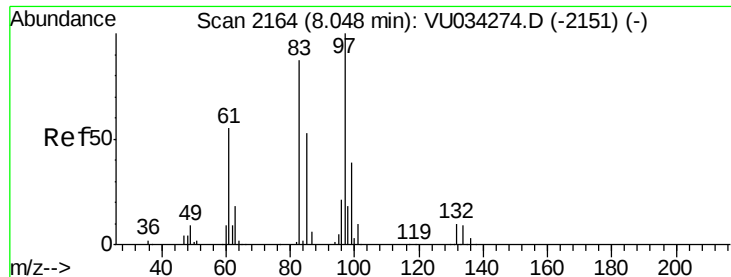
Ion Ratio Lower Upper

75 100

77 32.4 25.1 37.7

39 40.1 31.2 46.8





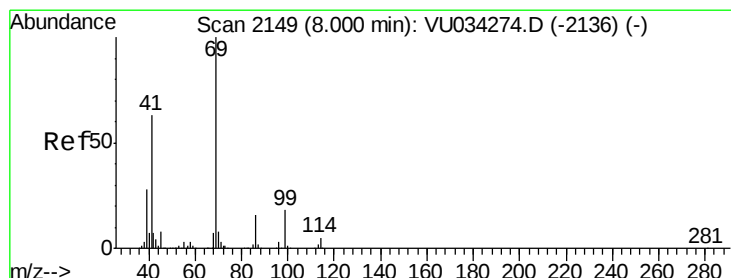
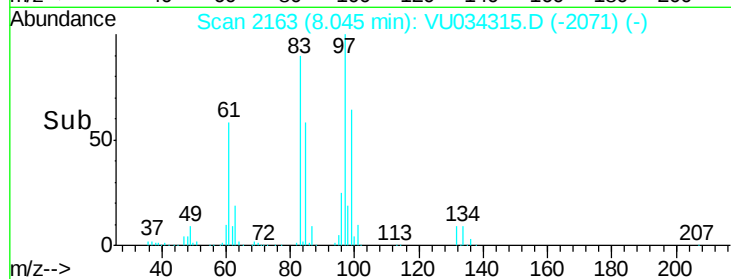
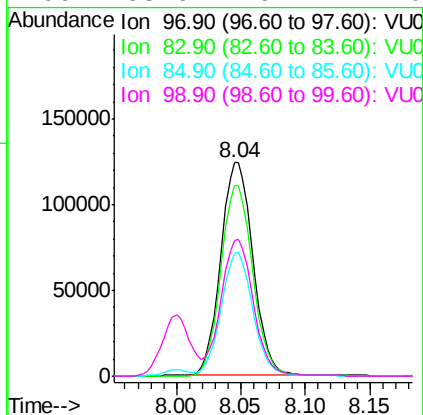
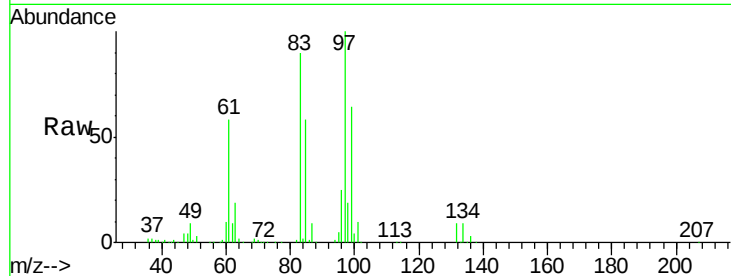
#55  
 1,1,2-Trichloroethane  
 Concen: 48.814 ug/l  
 RT: 8.04 min Scan# 2163  
 Delta R.T. -0.00 min  
 Lab File: VU034315.D  
 Acq: 06 Sep 2019 08:52

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 215124 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 89.7  | 69.0  | 103.6  |
| 85       | 57.6  | 44.2  | 66.2   |
| 99       | 63.6  | 49.4  | 74.0   |

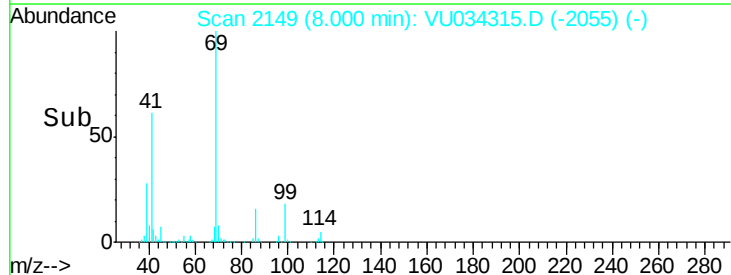
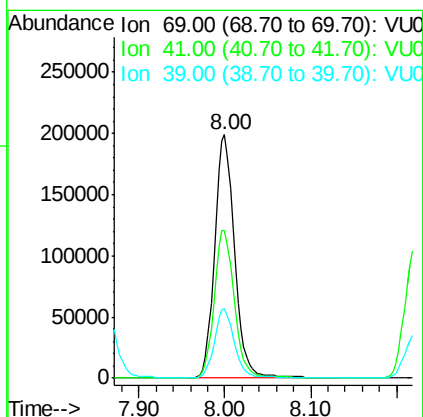
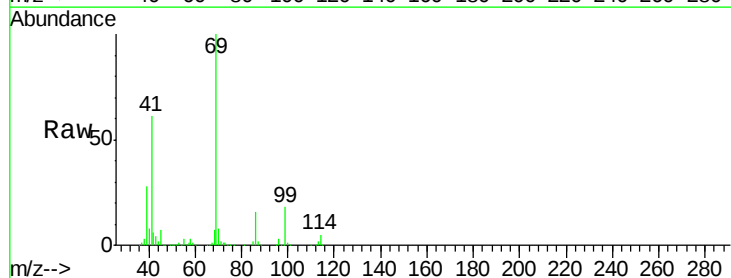
Manual Integrations  
 APPROVED

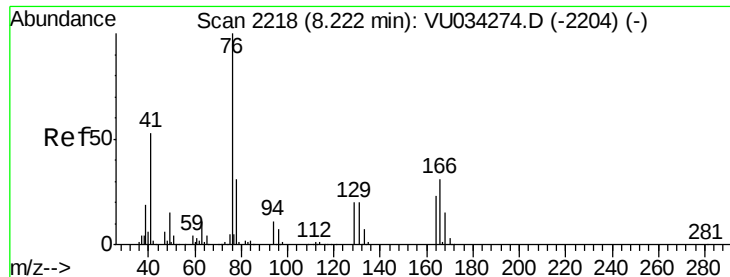
MMDadoda  
 9/10/2019 10:48:36 AM



#56  
 Ethyl methacrylate  
 Concen: 48.305 ug/l  
 RT: 8.00 min Scan# 2149  
 Delta R.T. 0.00 min  
 Lab File: VU034315.D  
 Acq: 06 Sep 2019 08:52

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 322683 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 61.3  | 49.5  | 74.3   |
| 39       | 27.9  | 22.5  | 33.7   |





#57

1,3-Dichloropropane

Concen: 49.745 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 356981

Ion Ratio Lower Upper

76 100

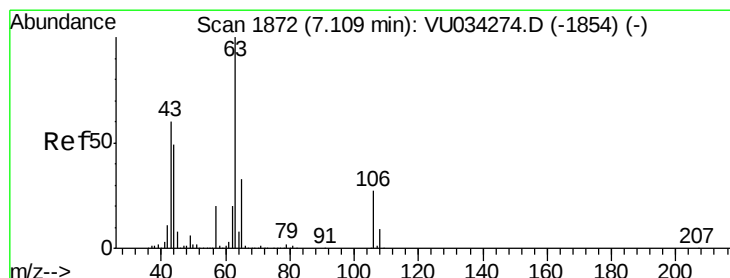
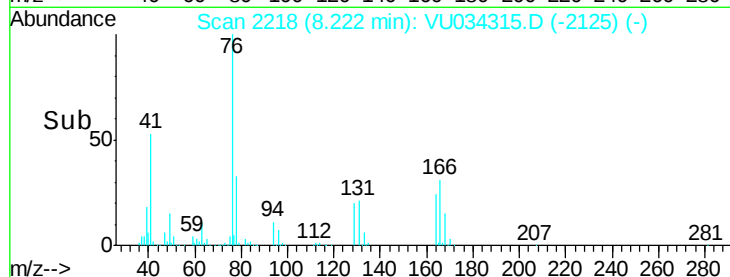
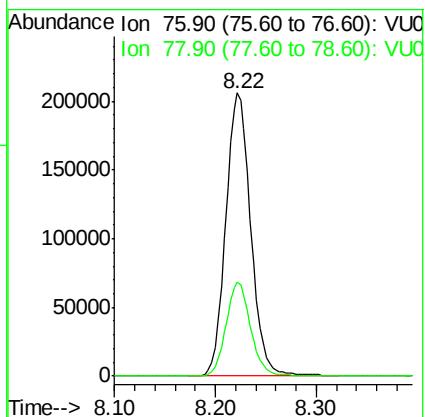
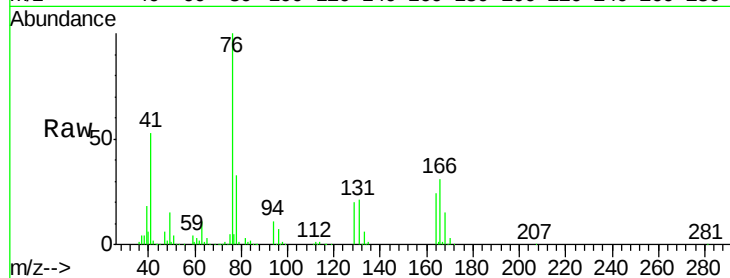
78 32.4 25.4 38.2

Manual Integrations

APPROVED

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9/10/2019 10:48:36 AM



#58

2-Chloroethyl Vinyl ether

Concen: 248.378 ug/l

RT: 7.11 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VU034315.D

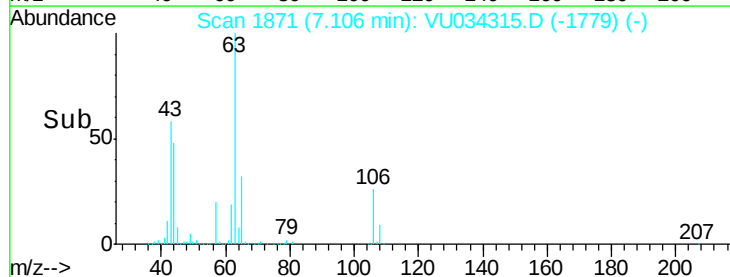
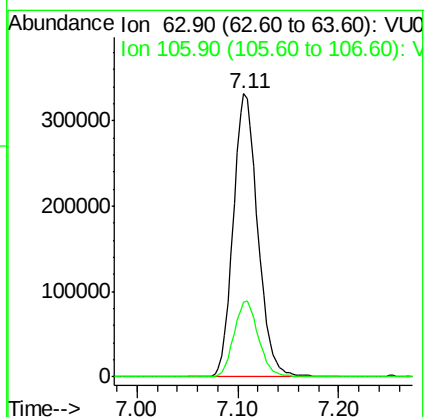
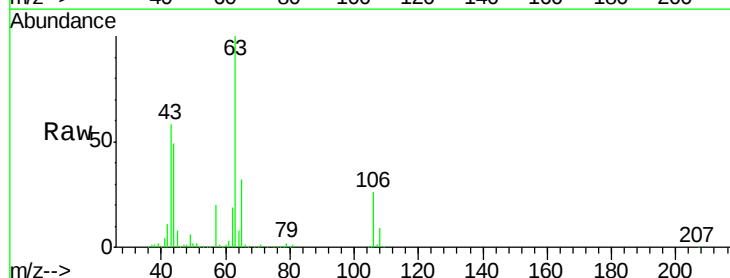
Acq: 06 Sep 2019 08:52

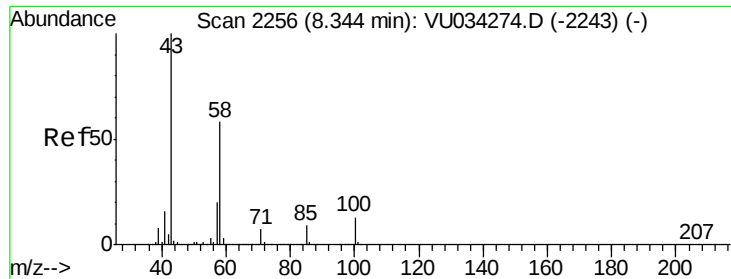
Tgt Ion: 63 Resp: 562378

Ion Ratio Lower Upper

63 100

106 26.8 21.6 32.4





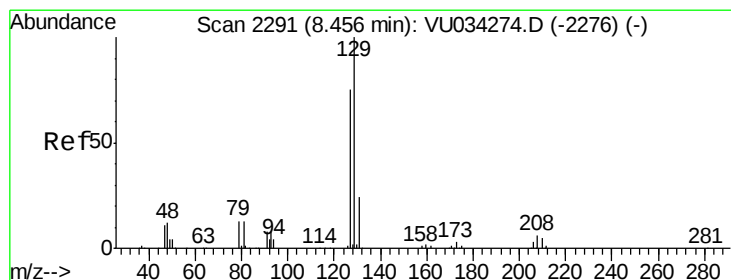
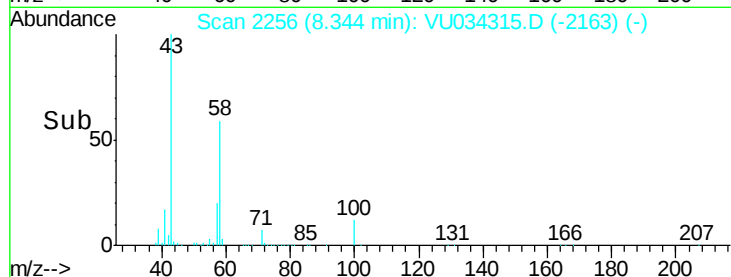
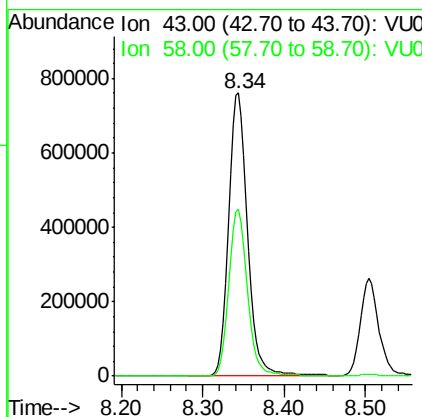
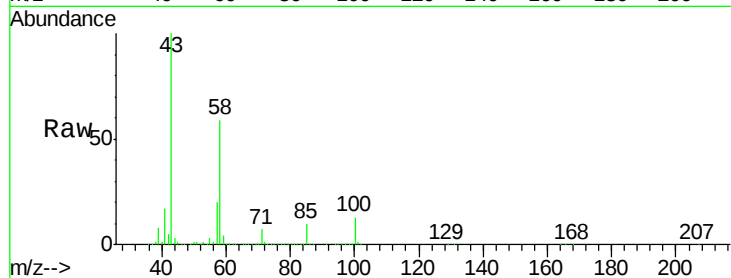
#59  
2-Hexanone  
Concen: 273.870 ug/l  
RT: 8.34 min Scan# 2256  
Delta R.T. 0.00 min  
Lab File: VU034315.D  
Acq: 06 Sep 2019 08:52

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

Tot Ion: 43 Resp: 1252443  
Ion Ratio Lower Upper  
43 100  
58 58.5 28.8 86.5

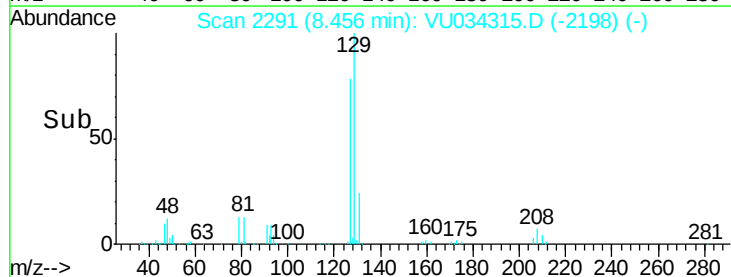
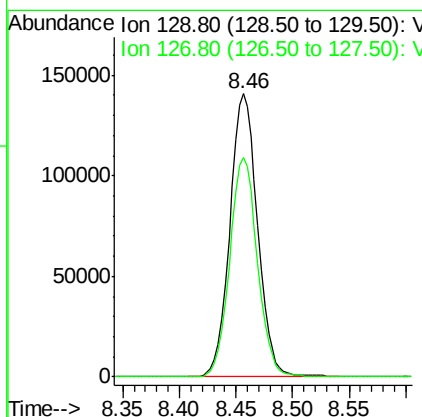
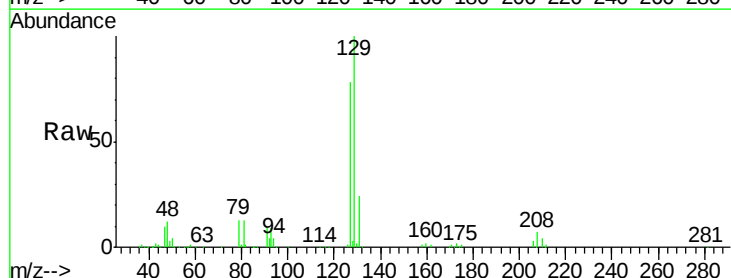
Manual Integrations  
APPROVED

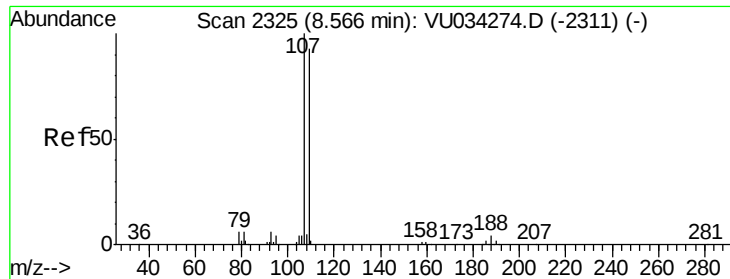
MMDadoda  
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#60  
Dibromochloromethane  
Concen: 50.678 ug/l  
RT: 8.46 min Scan# 2291  
Delta R.T. 0.00 min  
Lab File: VU034315.D  
Acq: 06 Sep 2019 08:52

Tgt Ion: 129 Resp: 239555  
Ion Ratio Lower Upper  
129 100  
127 77.5 37.9 113.7





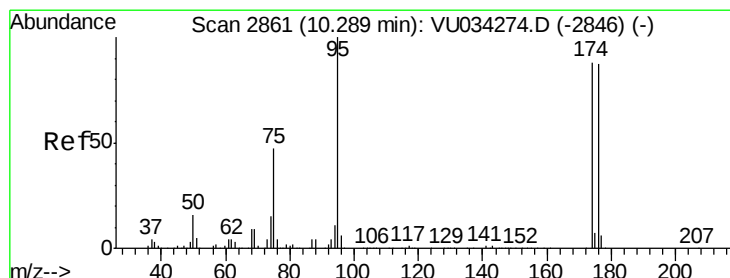
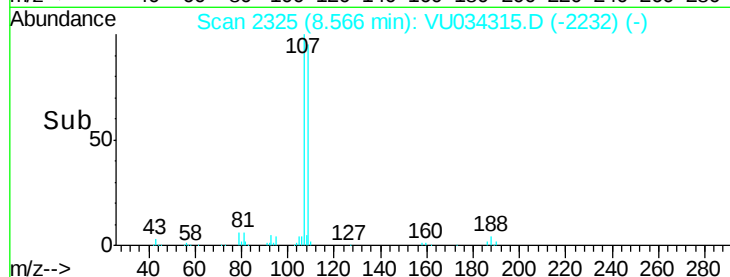
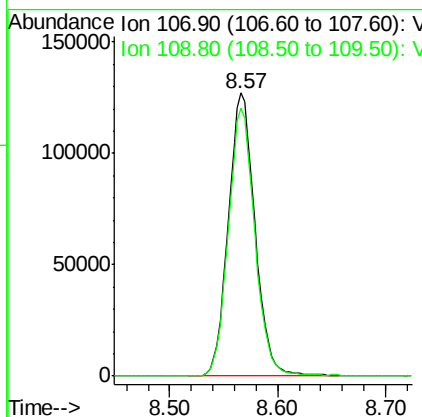
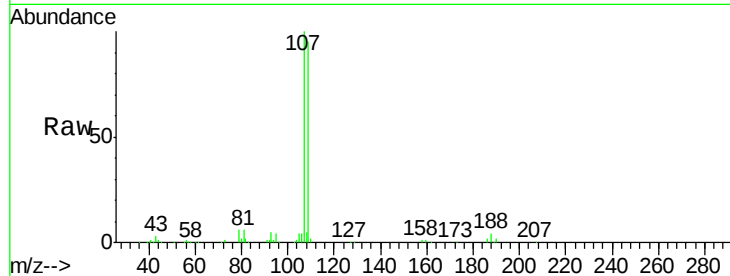
#61  
 1,2-Dibromoethane  
 Concen: 50.827 ug/l  
 RT: 8.57 min Scan# 2325  
 Delta R.T. 0.00 min  
 Lab File: VU034315.D  
 Acq: 06 Sep 2019 08:52

Instrument :  
 MSVOA\_U  
 ClientSampled :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 94.0  | 75.0  | 112.6 |

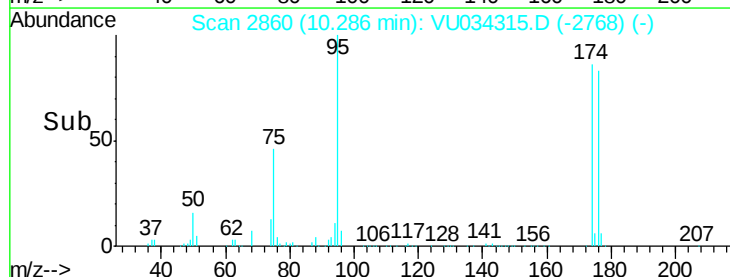
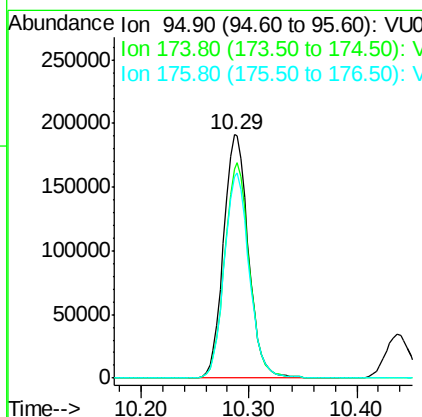
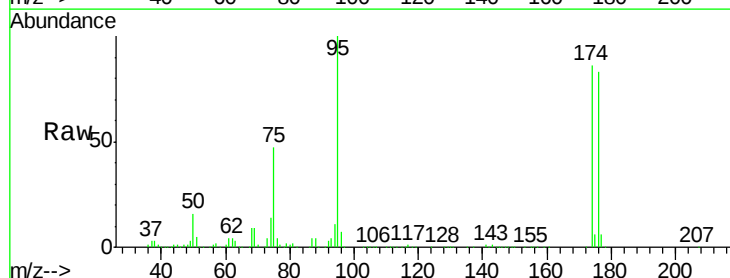
Manual Integrations  
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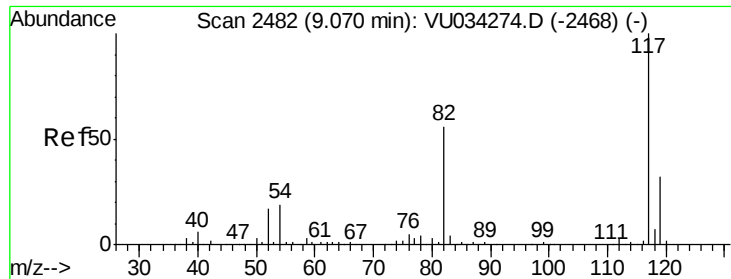
MMDadoda  
 9/10/2019 10:48:36 AM



#62  
 4-Bromofluorobenzene  
 Concen: 51.501 ug/l  
 RT: 10.29 min Scan# 2860  
 Delta R.T. -0.00 min  
 Lab File: VU034315.D  
 Acq: 06 Sep 2019 08:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 87.8  | 0.0   | 175.2 |
| 176     | 84.4  | 0.0   | 168.0 |





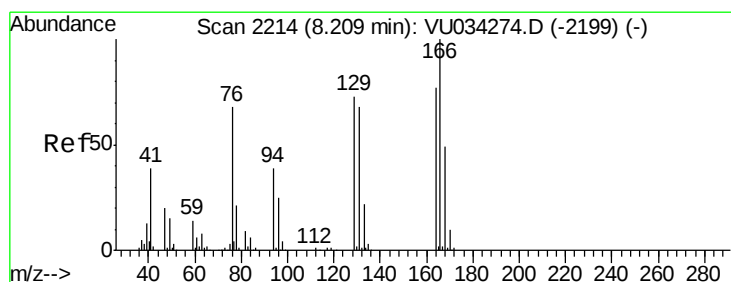
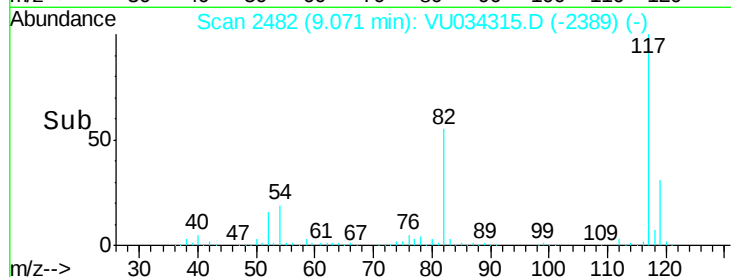
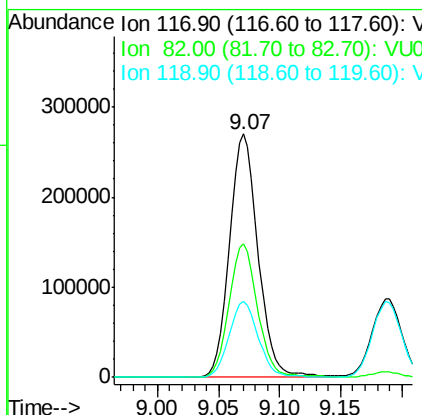
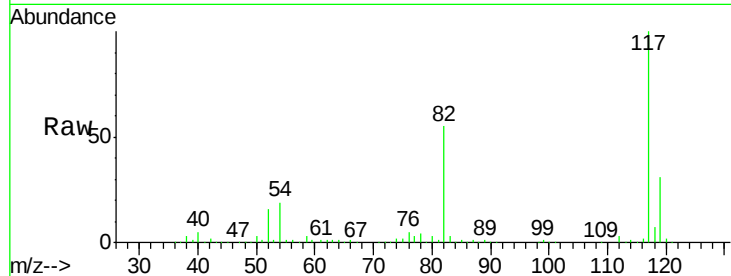
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.07 min Scan# 2482  
Delta R.T. 0.00 min  
Lab File: VU034315.D  
Acq: 06 Sep 2019 08:52

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 441519 |       |       |
| 82      | 54.8  |        | 44.6  | 67.0  |
| 119     | 31.4  |        | 25.9  | 38.9  |

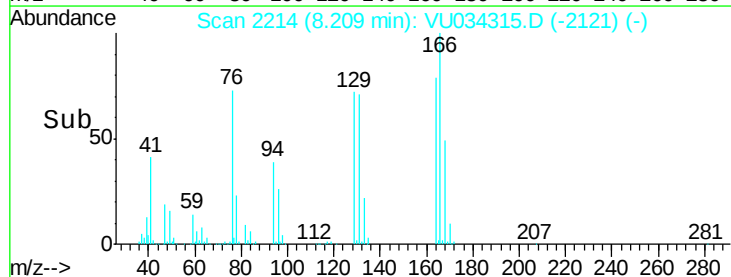
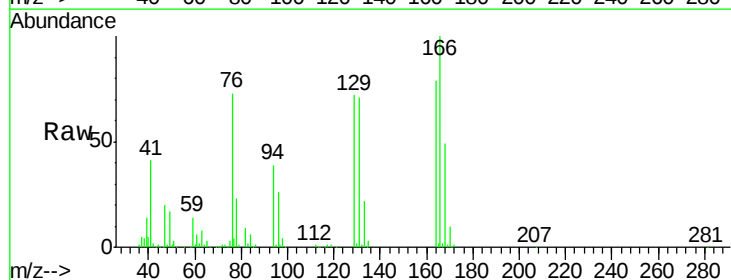
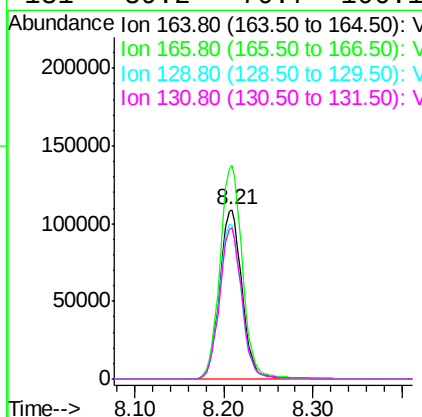
Manual Integrations  
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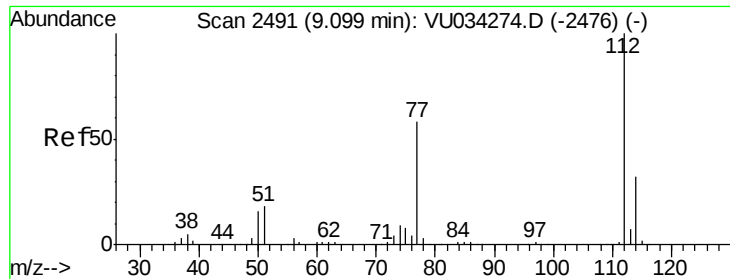
MMDadoda  
9/10/2019 10:48:36 AM



#64  
Tetrachloroethene  
Concen: 49.384 ug/l  
RT: 8.21 min Scan# 2214  
Delta R.T. 0.00 min  
Lab File: VU034315.D  
Acq: 06 Sep 2019 08:52

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 189161 |       |       |
| 166     | 125.9 |        | 103.7 | 155.5 |
| 129     | 90.7  |        | 75.8  | 113.8 |
| 131     | 89.2  |        | 70.7  | 106.1 |





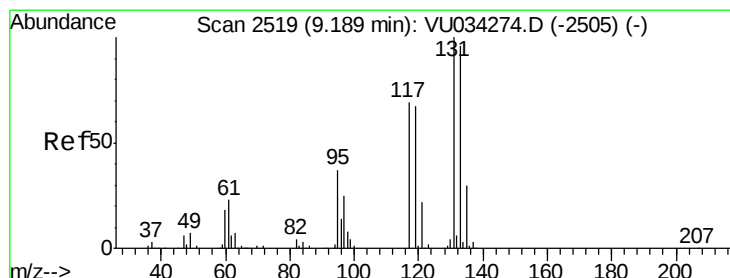
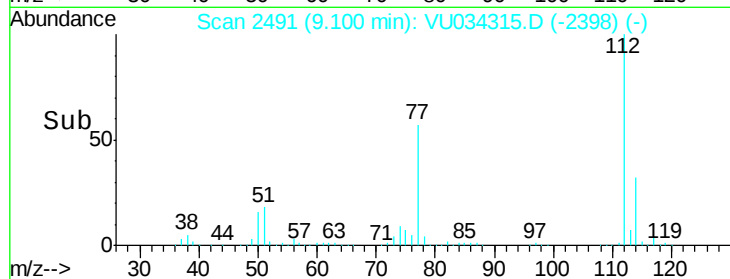
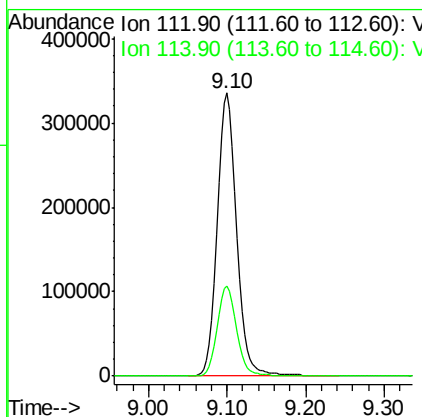
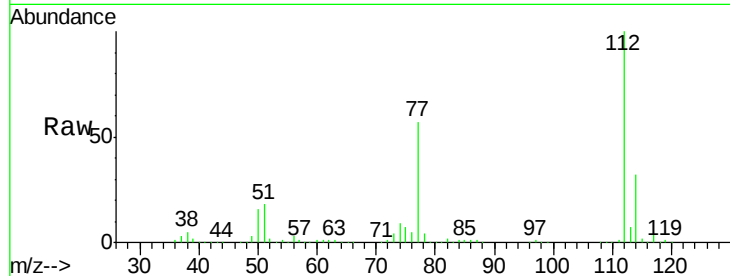
#65  
Chlorobenzene  
Concen: 50.708 ug/l  
RT: 9.10 min Scan# 2491  
Delta R.T. 0.00 min  
Lab File: VU034315.D  
Acq: 06 Sep 2019 08:52

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

Tot Ion:112 Resp: 568012  
Ion Ratio Lower Upper  
112 100  
114 31.8 25.9 38.9

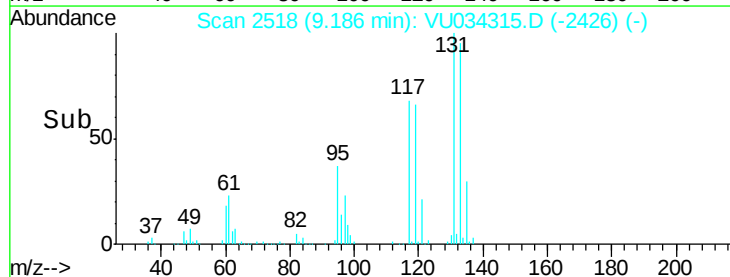
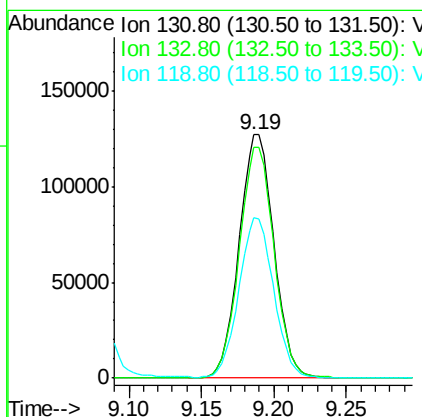
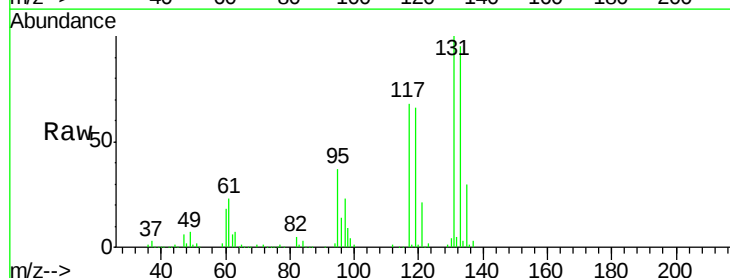
Manual Integrations  
APPROVED

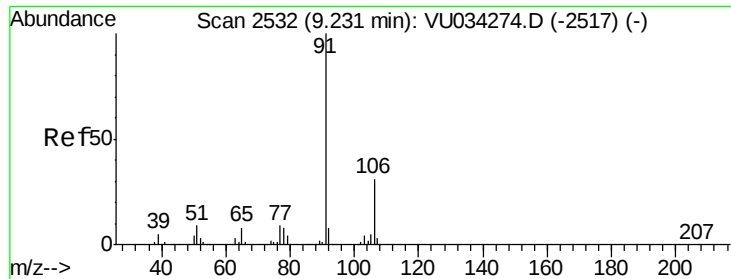
MMDadoda  
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#66  
1,1,1,2-Tetrachloroethane  
Concen: 49.760 ug/l  
RT: 9.19 min Scan# 2518  
Delta R.T. -0.00 min  
Lab File: VU034315.D  
Acq: 06 Sep 2019 08:52

Tgt Ion:131 Resp: 212720  
Ion Ratio Lower Upper  
131 100  
133 95.5 47.9 143.7  
119 65.5 33.1 99.5





#67

Ethyl Benzene

Concen: 52.485 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 961268

Ion Ratio Lower Upper

91 100

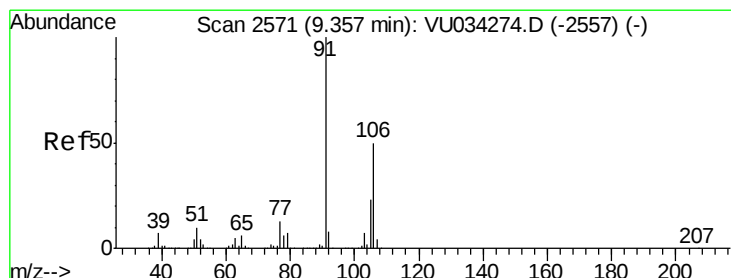
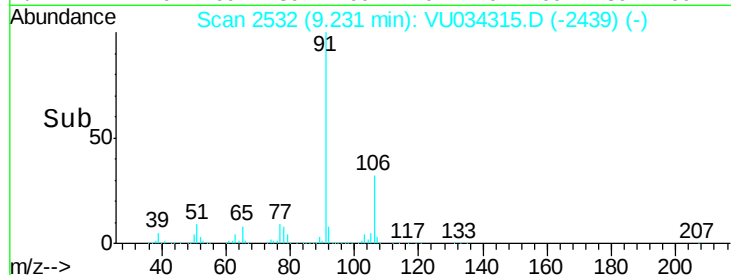
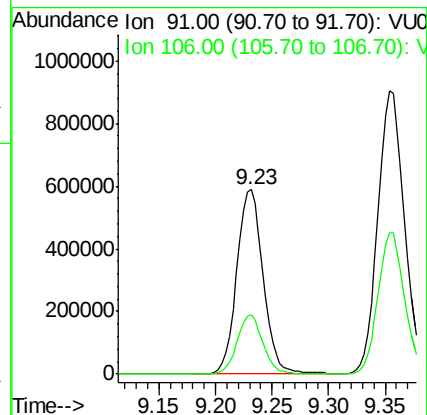
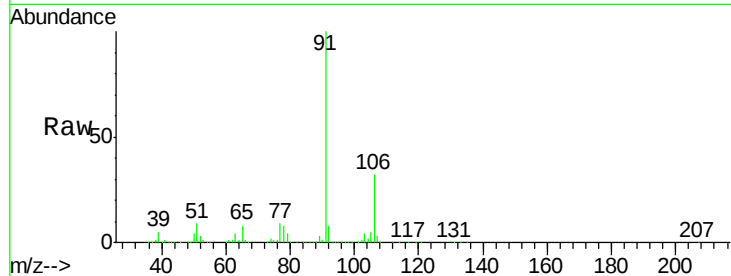
106 32.0 24.8 37.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 108.341 ug/l

RT: 9.35 min Scan# 2570

Delta R.T. -0.00 min

Lab File: VU034315.D

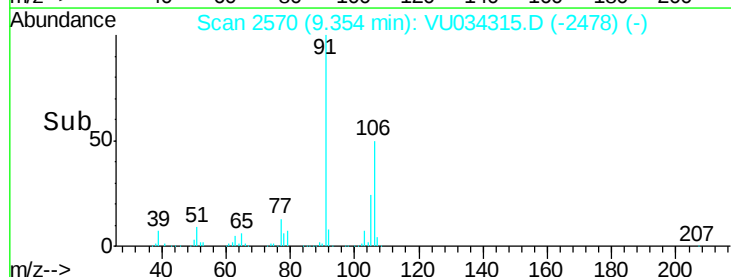
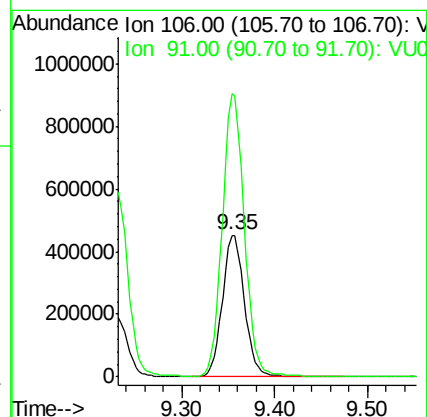
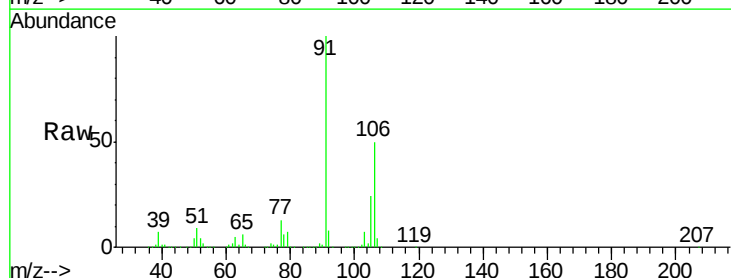
Acq: 06 Sep 2019 08:52

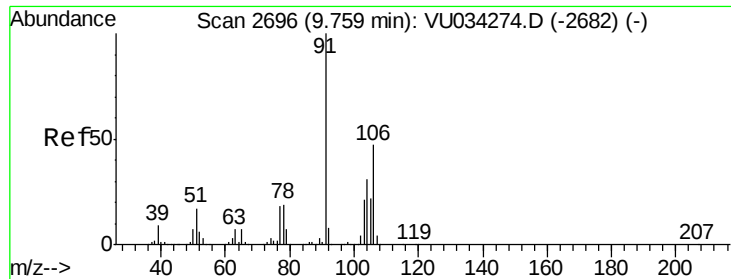
Tgt Ion: 106 Resp: 747201

Ion Ratio Lower Upper

106 100

91 200.3 160.1 240.1





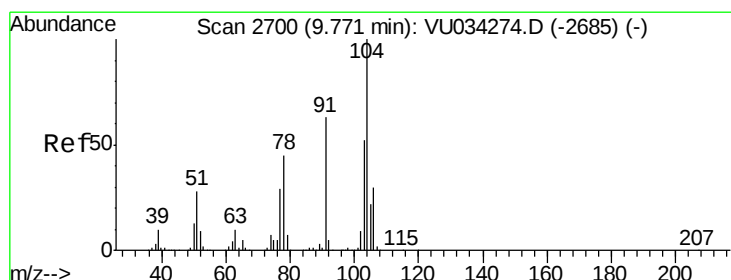
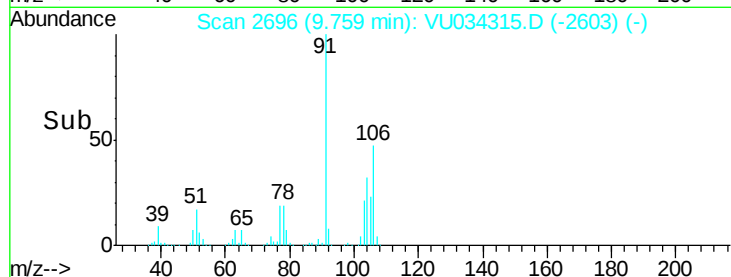
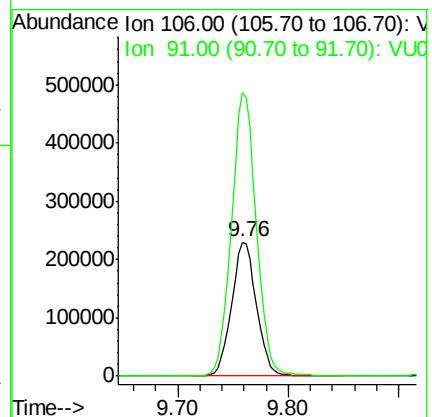
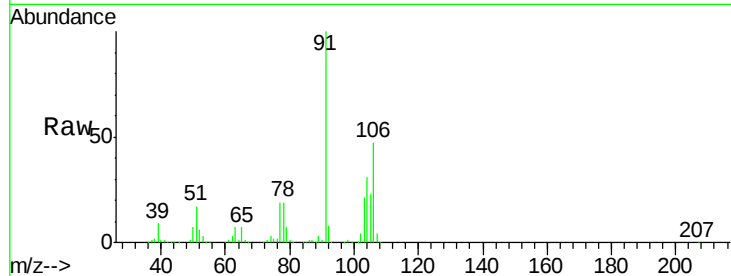
#69  
o-Xylene  
Concen: 53.408 ug/l  
RT: 9.76 min Scan# 2696  
Delta R.T. 0.00 min  
Lab File: VU034315.D  
Acq: 06 Sep 2019 08:52

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 210.8 | 105.1 | 315.3 |

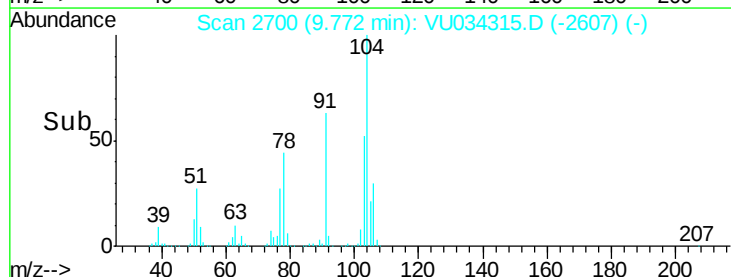
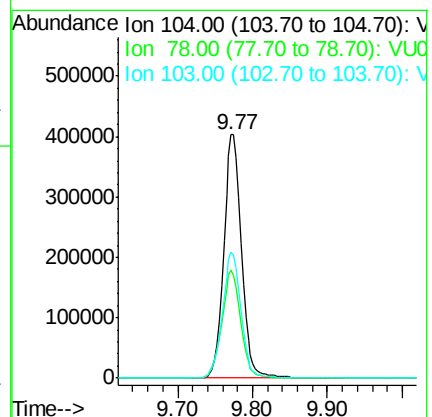
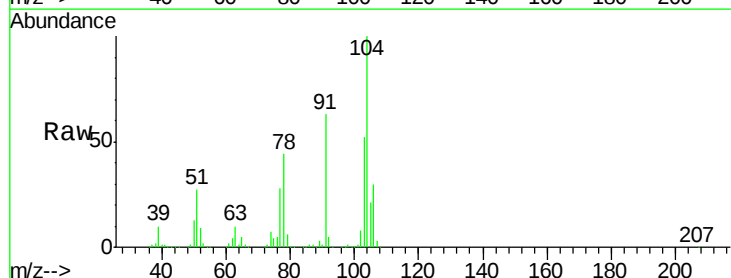
Manual Integrations  
APPROVED

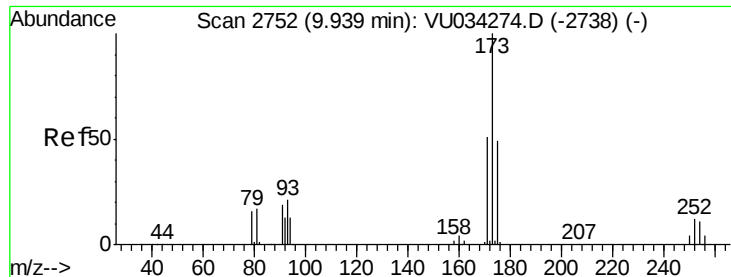
MMDadoda  
9/10/2019 10:48:36 AM



#70  
Styrene  
Concen: 55.907 ug/l  
RT: 9.77 min Scan# 2700  
Delta R.T. 0.00 min  
Lab File: VU034315.D  
Acq: 06 Sep 2019 08:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 47.0  | 38.6  | 57.8  |
| 103     | 54.4  | 44.2  | 66.4  |





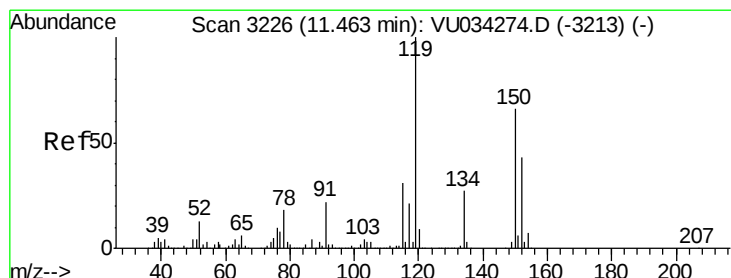
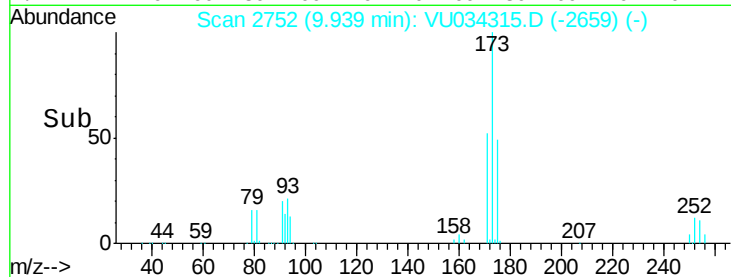
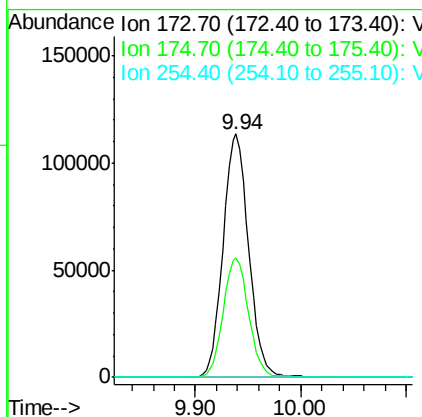
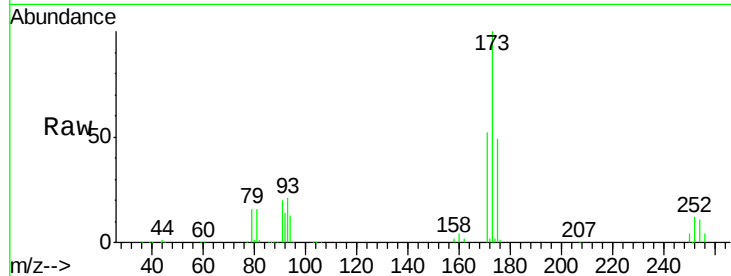
#71  
Bromoform  
Concen: 51.294 ug/l  
RT: 9.94 min Scan# 2752  
Delta R.T. 0.00 min  
Lab File: VU034315.D  
Acq: 06 Sep 2019 08:52

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.0  | 24.4  | 73.2  |
| 254     | 0.1   | 0.0   | 0.0#  |

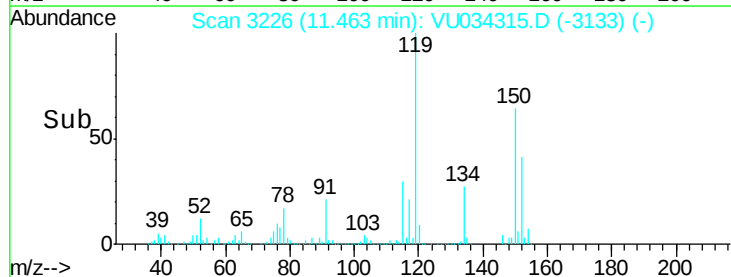
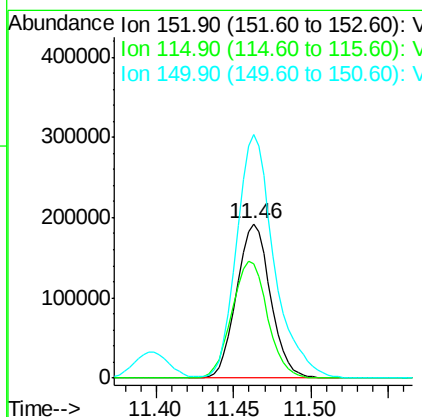
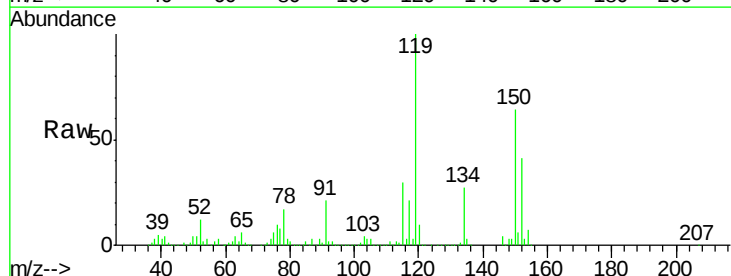
Manual Integrations  
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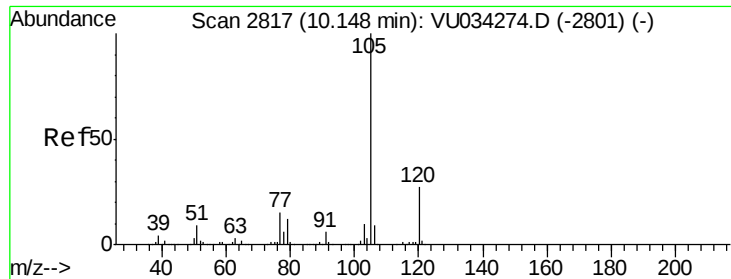
MMDadoda  
9/10/2019 10:48:36 AM



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.46 min Scan# 3226  
Delta R.T. 0.00 min  
Lab File: VU034315.D  
Acq: 06 Sep 2019 08:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 79.6  | 39.1  | 117.3 |
| 150     | 173.9 | 0.0   | 345.4 |





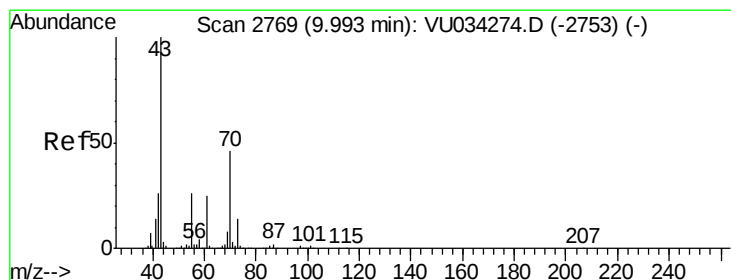
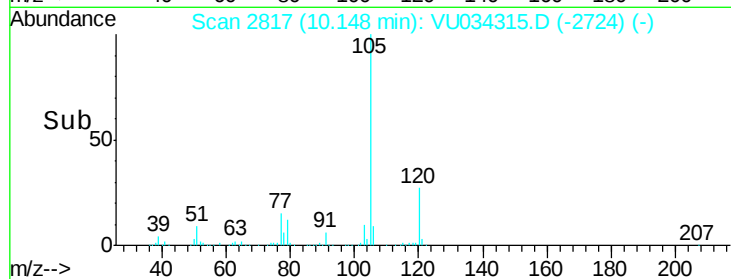
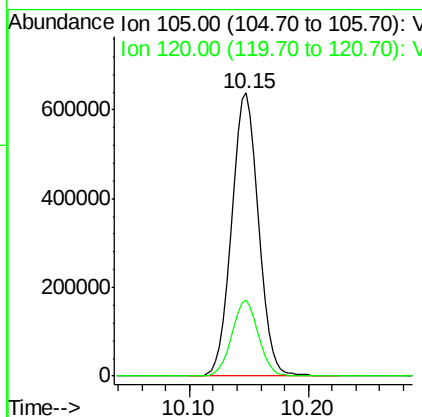
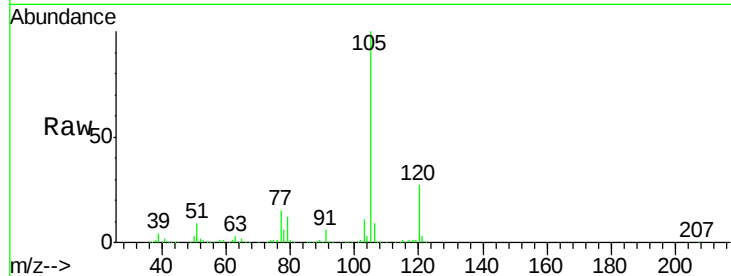
#73  
Isopropylbenzene  
Concen: 52.277 ug/l  
RT: 10.15 min Scan# 2817  
Delta R.T. 0.00 min  
Lab File: VU034315.D  
Acq: 06 Sep 2019 08:52

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 26.6  | 13.4  | 40.2  |

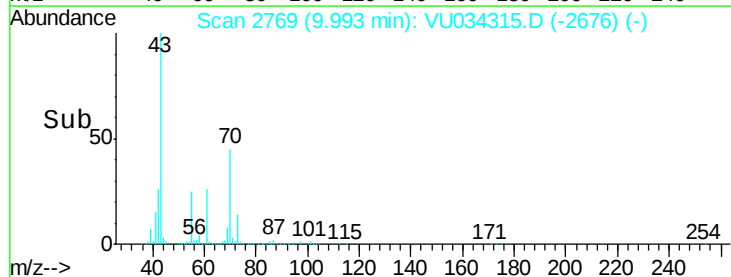
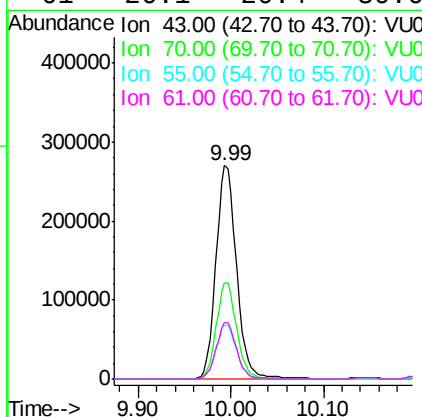
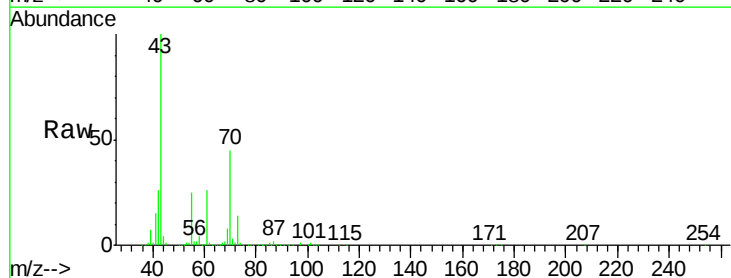
Manual Integrations  
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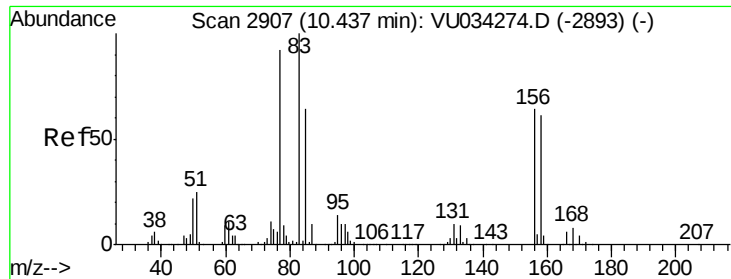
MMDadoda  
9/10/2019 10:48:36 AM



#74  
N-ethyl acetate  
Concen: 53.963 ug/l  
RT: 9.99 min Scan# 2769  
Delta R.T. 0.00 min  
Lab File: VU034315.D  
Acq: 06 Sep 2019 08:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 70      | 45.0  | 36.4  | 54.6  |
| 55      | 25.9  | 21.2  | 31.8  |
| 61      | 26.1  | 20.4  | 30.6  |





#75

1,1,2,2-Tetrachloroethane

Concen: 48.414 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. 0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 373581

Ion Ratio Lower Upper

83 100

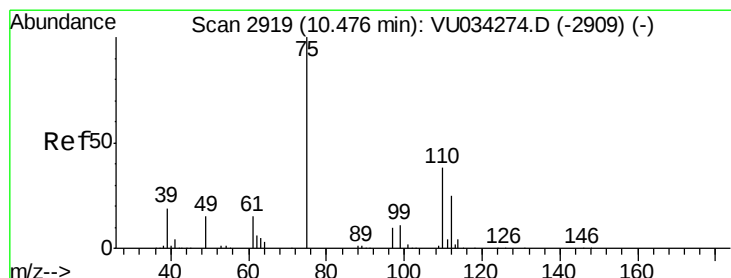
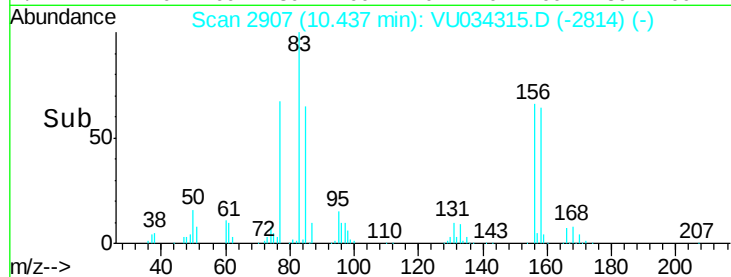
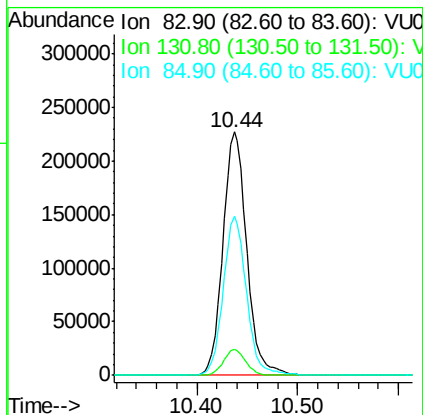
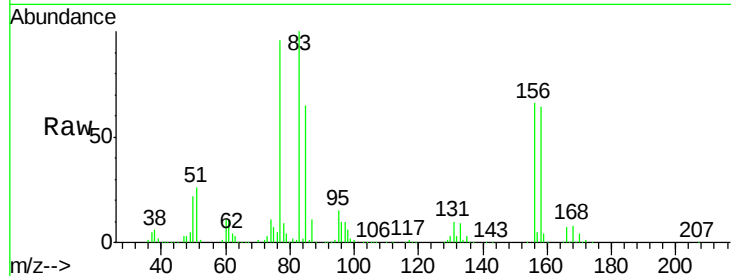
131 10.0 5.1 15.2

85 64.4 32.0 96.2

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#76

1,2,3-Trichloropropane

Concen: 48.992 ug/l m

RT: 10.47 min Scan# 2918

Delta R.T. -0.00 min

Lab File: VU034315.D

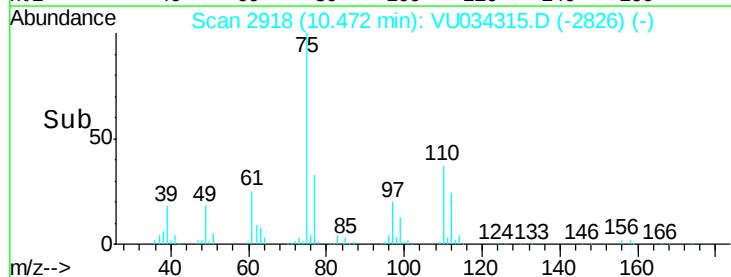
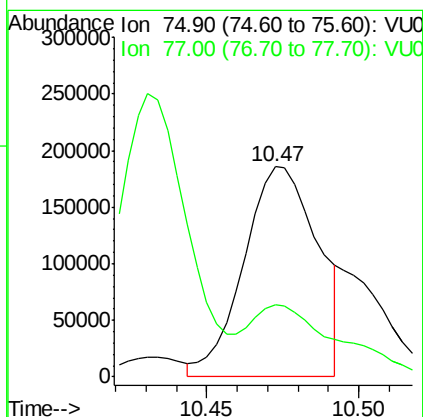
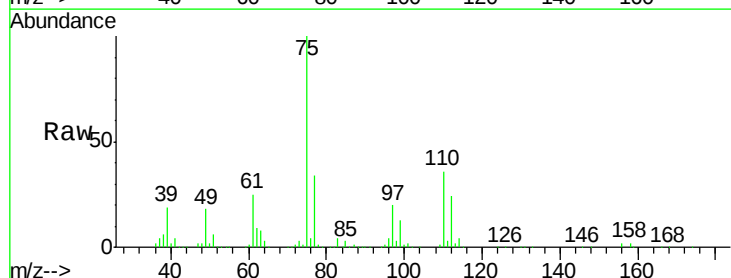
Acq: 06 Sep 2019 08:52

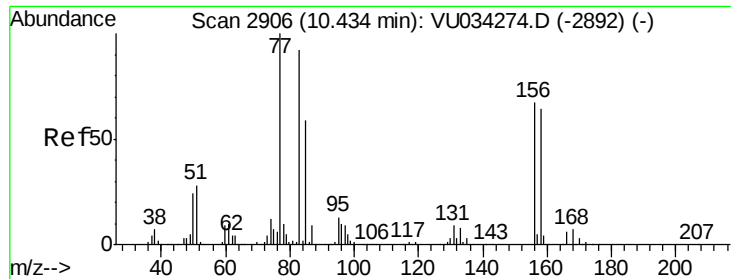
Tgt Ion: 75 Resp: 313267

Ion Ratio Lower Upper

75 100

77 41.2 20.8 62.2





#77

Bromobenzene

Concen: 50.307 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

Instrument :

MSVOA\_U

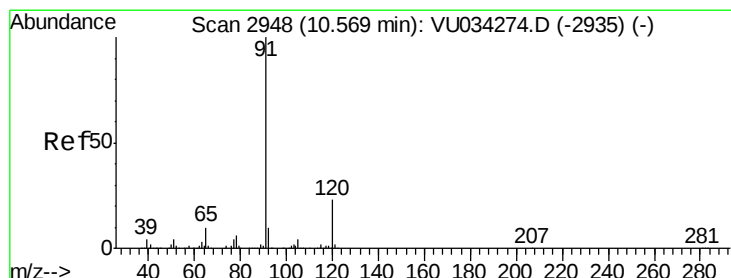
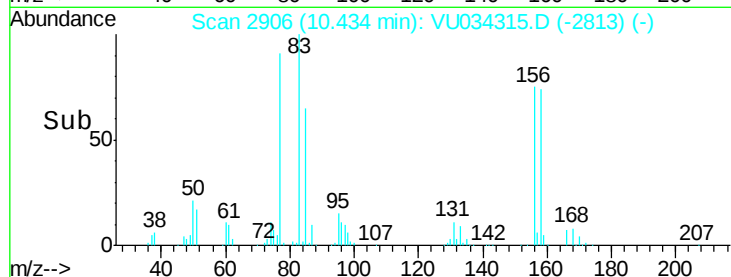
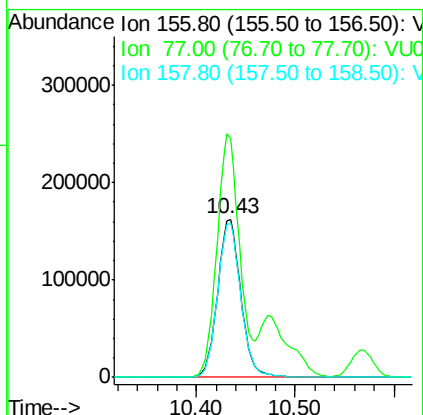
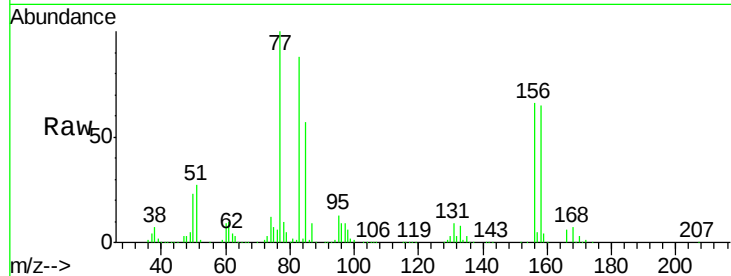
ClientSampleId :

VSTDCCC050

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 156     | 100   |       | 268153 |       |       |
| 77      | 151.6 | 75.6  | 226.9  |       |       |
| 158     | 97.8  | 48.2  | 144.6  |       |       |

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#78

n-propylbenzene

Concen: 53.412 ug/l

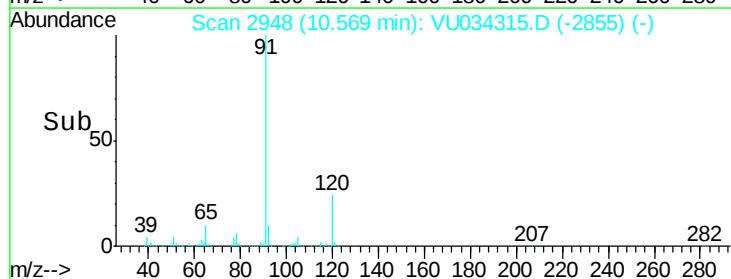
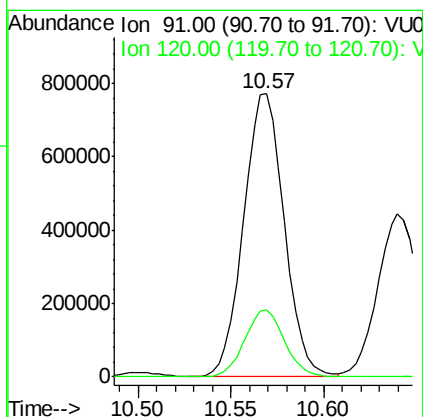
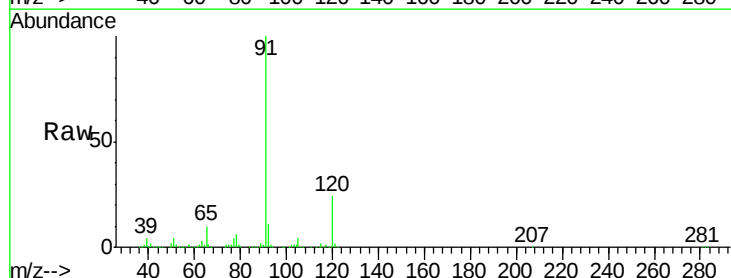
RT: 10.57 min Scan# 2948

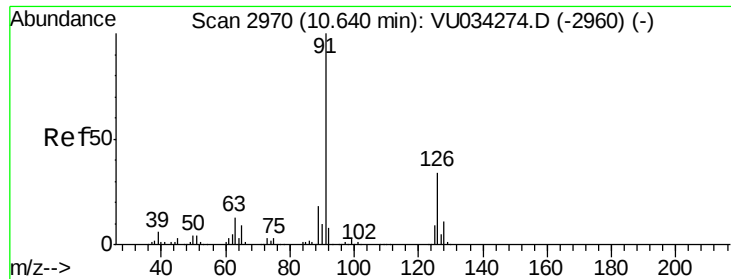
Delta R.T. 0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

| Tgt Ion | Ion  | Ratio | Resp    | Lower | Upper |
|---------|------|-------|---------|-------|-------|
| 91      | 100  |       | 1175934 |       |       |
| 120     | 23.4 | 11.7  | 35.0    |       |       |





#79

2-Chlorotoluene

Concen: 52.323 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. 0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 702882

Ion Ratio Lower Upper

91 100

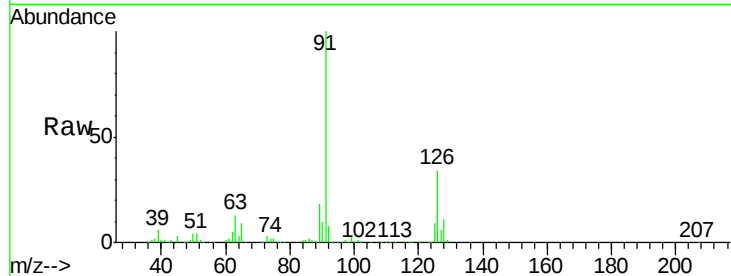
126 34.4 17.3 51.9

Manual Integrations

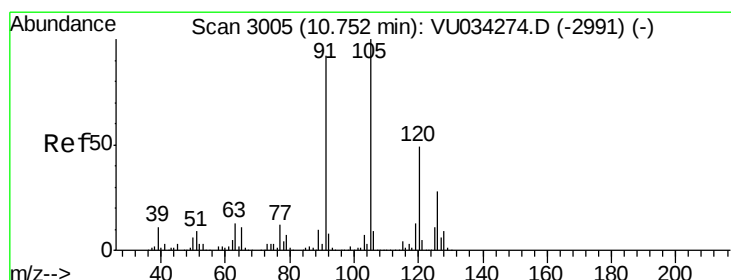
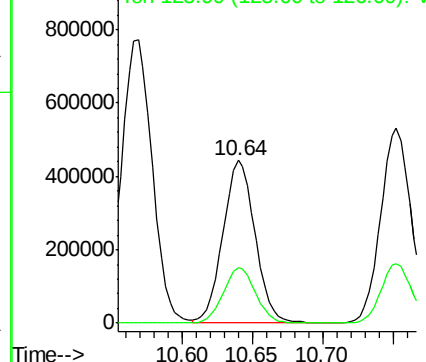
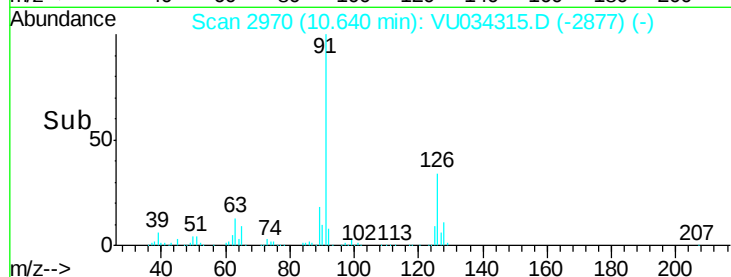
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Abundance Ion 91.00 (90.70 to 91.70): VU034315.D (-2877) (-)



#80

1,3,5-Trimethylbenzene

Concen: 55.212 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VU034315.D

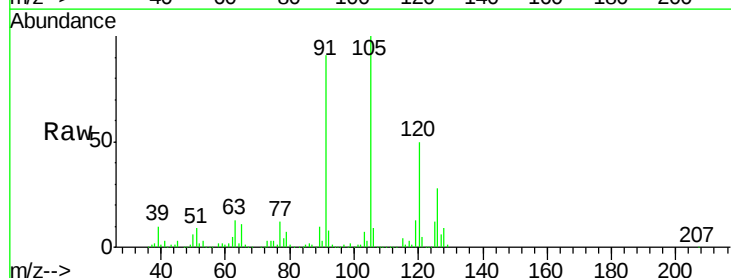
Acq: 06 Sep 2019 08:52

Tgt Ion: 105 Resp: 880278

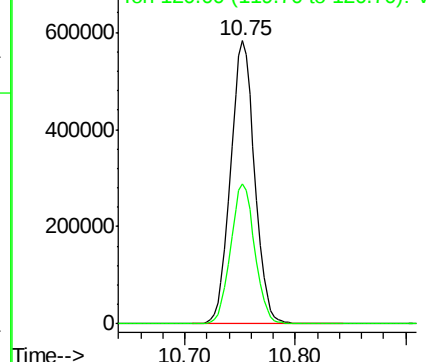
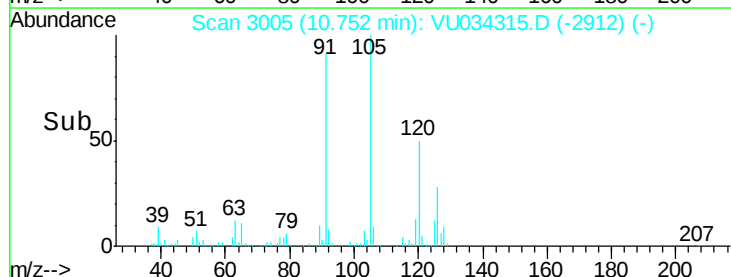
Ion Ratio Lower Upper

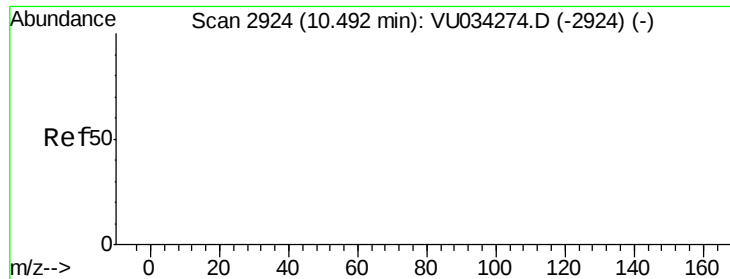
105 100

120 49.8 24.9 74.7



Abundance Ion 105.00 (104.70 to 105.70): VU034315.D (-2912) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 53.477 ug/l m

RT: 10.49 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VU034315.D

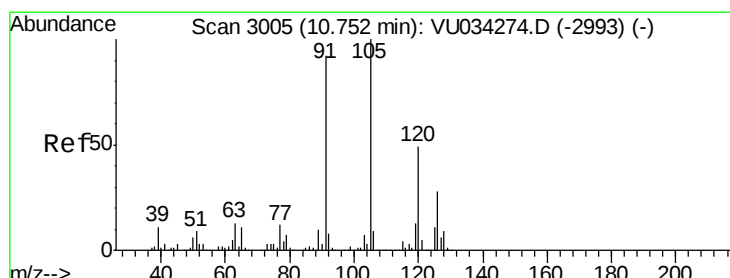
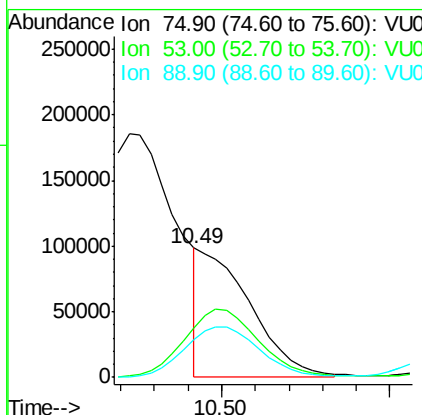
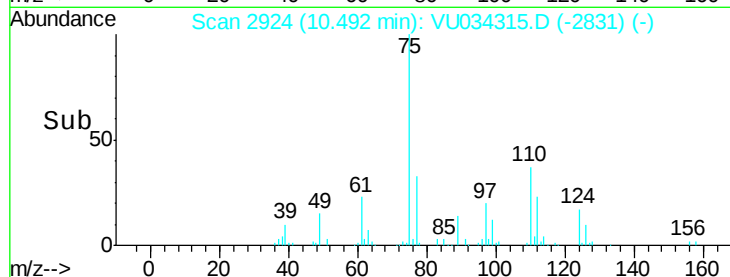
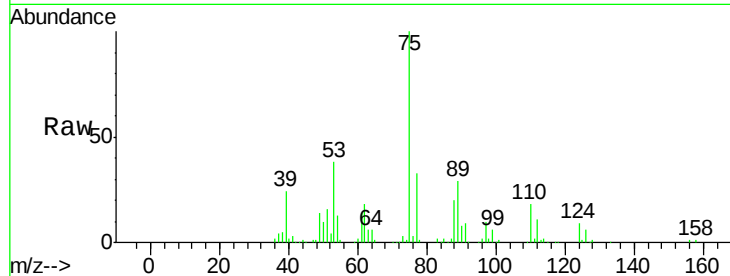
Acq: 06 Sep 2019 08:52

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

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

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#82

4-Chlorotoluene

Concen: 52.831 ug/l

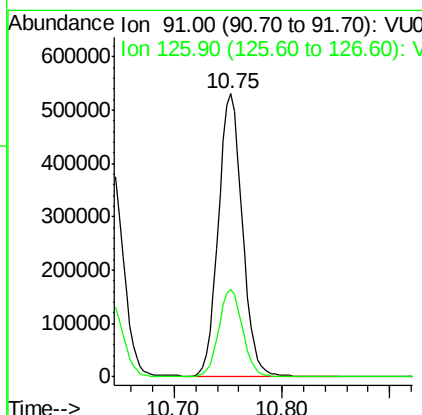
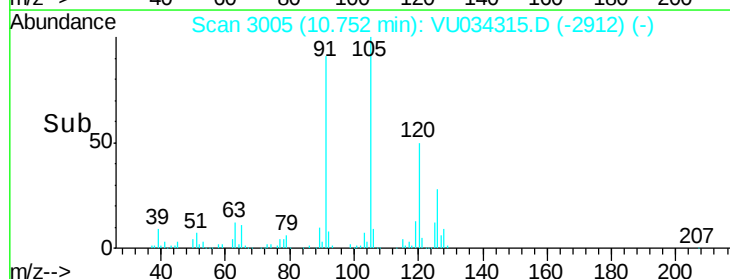
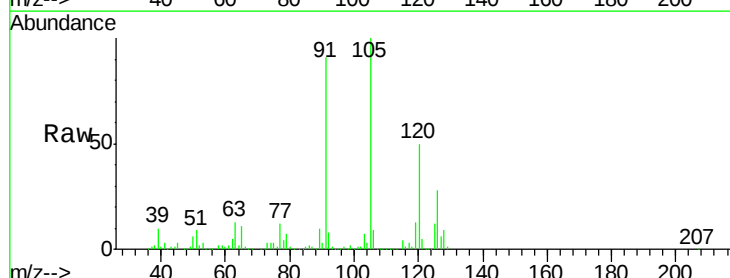
RT: 10.75 min Scan# 3005

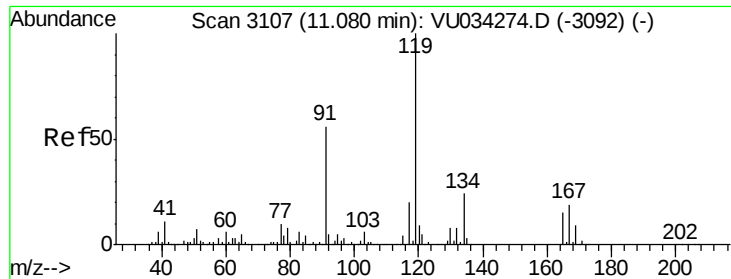
Delta R.T. 0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 30.8  | 15.3  | 45.8  |





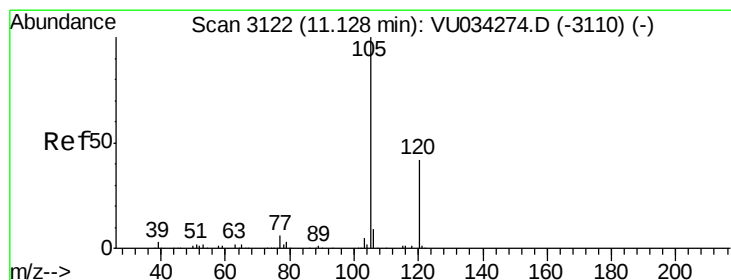
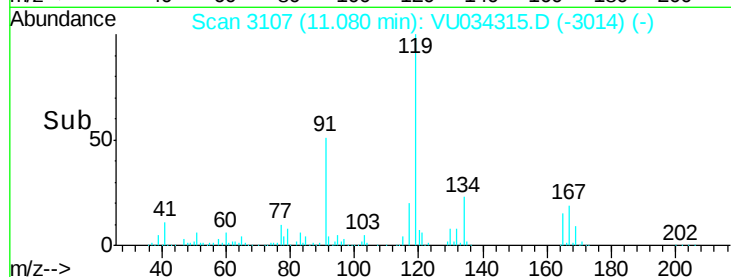
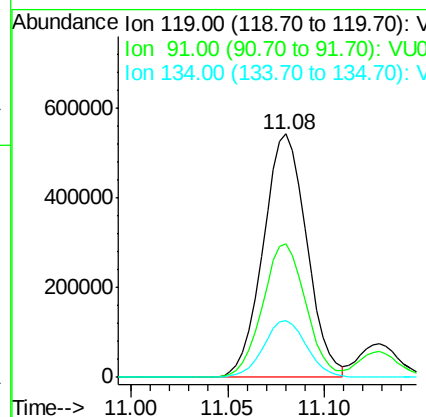
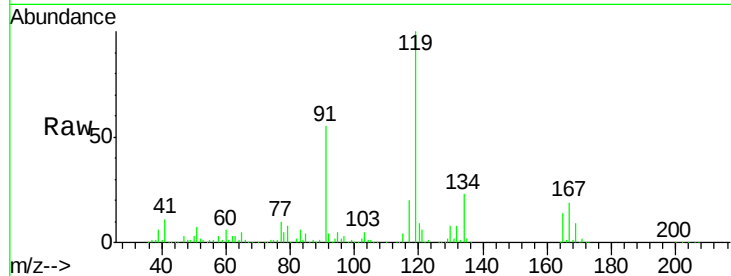
#83  
tert-Butylbenzene  
Concen: 53.284 ug/l  
RT: 11.08 min Scan# 3107  
Delta R.T. 0.00 min  
Lab File: VU034315.D  
Acq: 06 Sep 2019 08:52

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 54.4  | 27.8  | 83.4  |
| 134     | 23.0  | 11.7  | 35.0  |

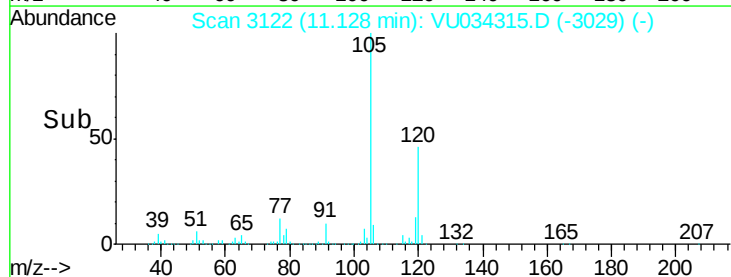
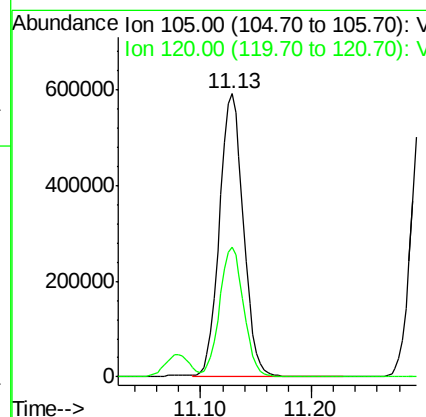
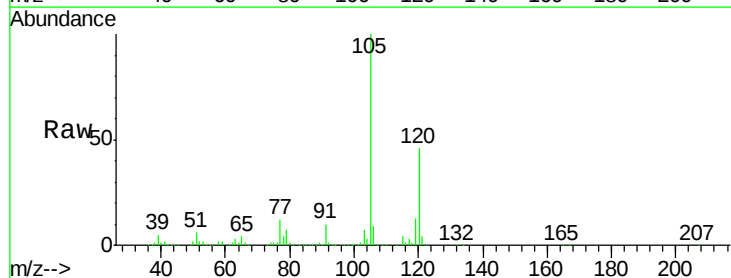
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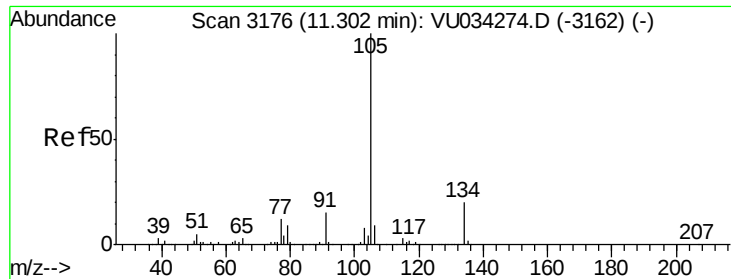
MMDadoda  
9/10/2019 10:48:36 AM



#84  
1,2,4-Trimethylbenzene  
Concen: 55.233 ug/l  
RT: 11.13 min Scan# 3122  
Delta R.T. 0.00 min  
Lab File: VU034315.D  
Acq: 06 Sep 2019 08:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 46.3  | 22.9  | 68.8  |





#85

sec-Butylbenzene

Concen: 54.286 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. 0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1022181

Ion Ratio Lower Upper

105 100

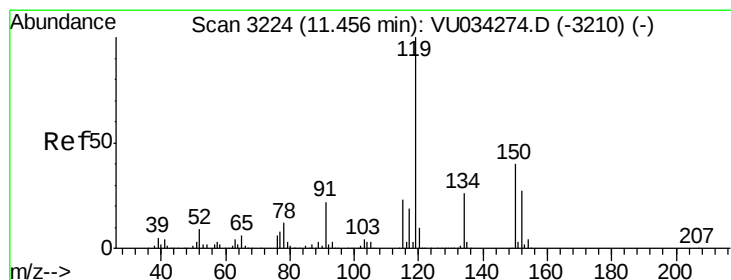
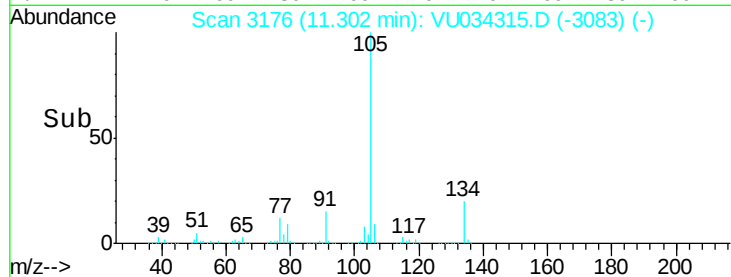
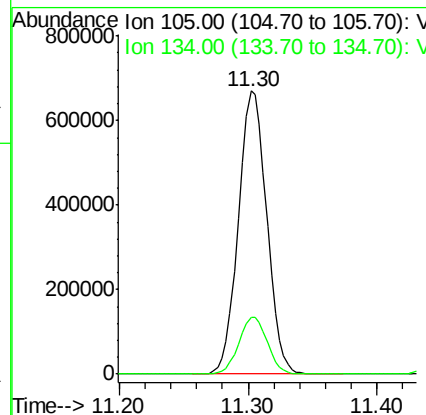
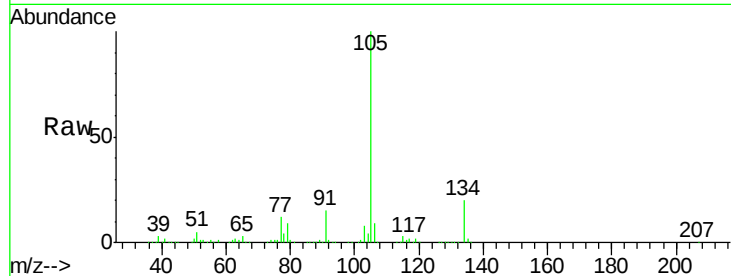
134 20.2 10.1 30.3

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#86

p-Isopropyltoluene

Concen: 55.336 ug/l

RT: 11.46 min Scan# 3224

Delta R.T. 0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

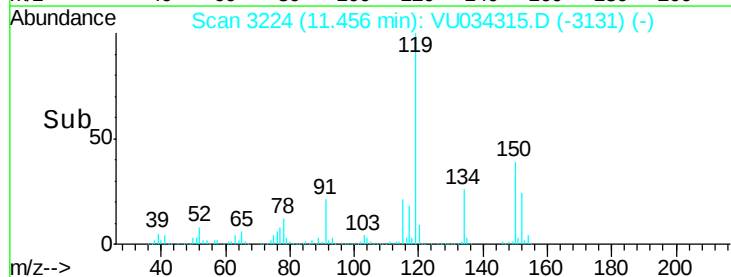
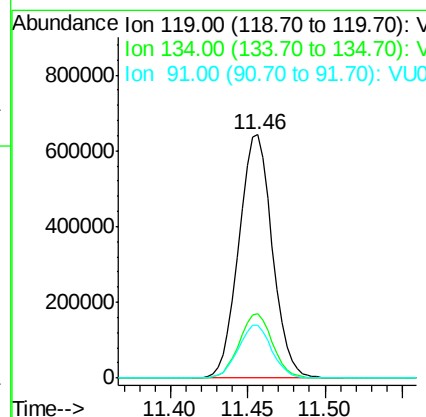
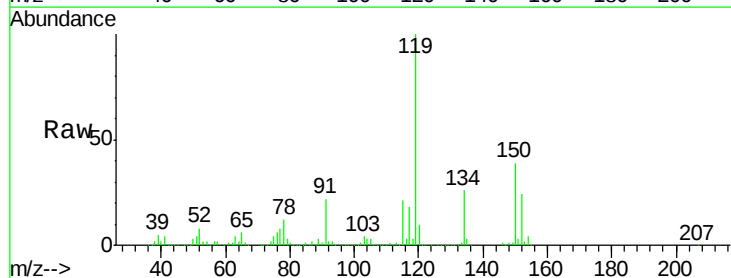
Tgt Ion:119 Resp: 961714

Ion Ratio Lower Upper

119 100

134 26.2 13.3 39.8

91 21.6 11.2 33.6





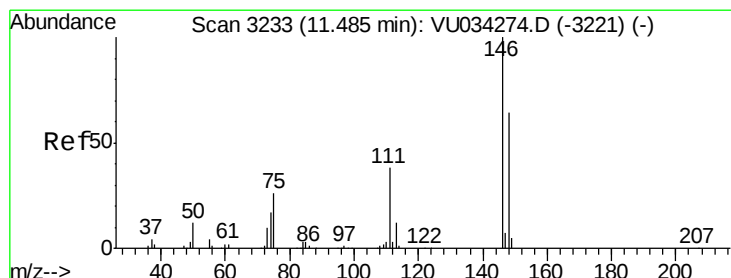
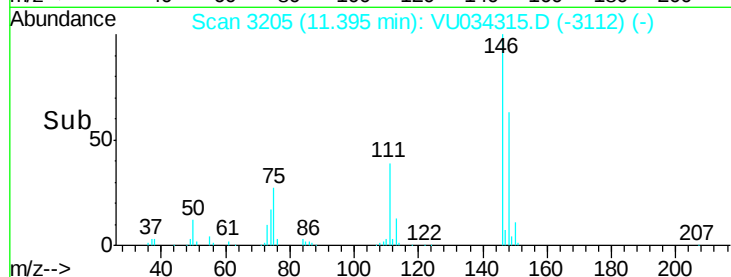
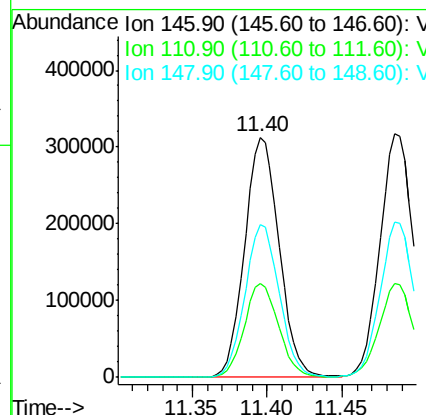
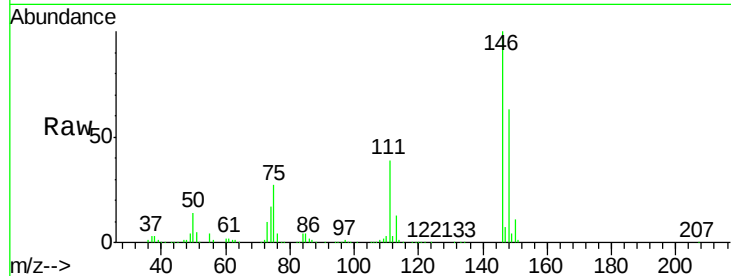
#87  
 1,3-Dichlorobenzene  
 Concen: 51.722 ug/l  
 RT: 11.40 min Scan# 3205  
 Delta R.T. 0.00 min  
 Lab File: VU034315.D  
 Acq: 06 Sep 2019 08:52

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.8  | 19.5  | 58.5  |
| 148     | 63.2  | 32.1  | 96.3  |

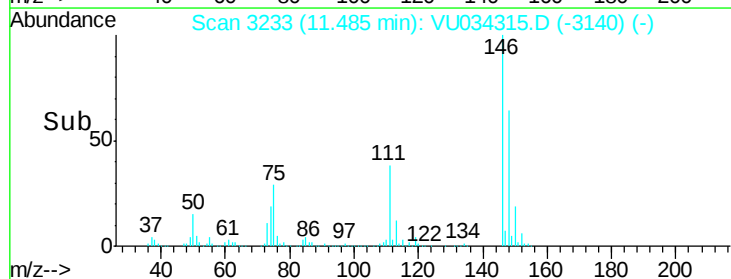
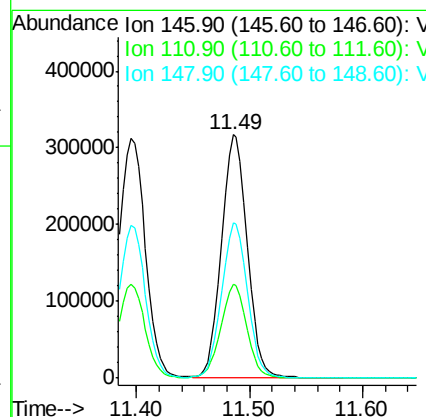
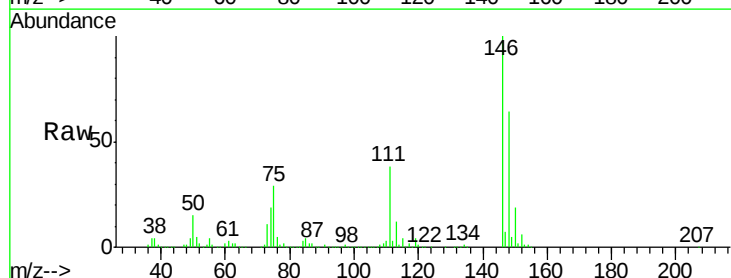
Manual Integrations  
 APPROVED

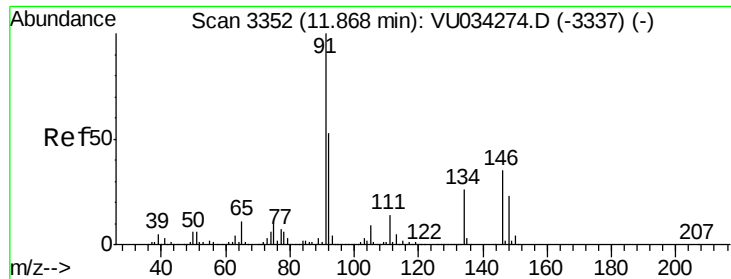
MMDadoda  
 9/10/2019 10:48:36 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 49.486 ug/l  
 RT: 11.49 min Scan# 3233  
 Delta R.T. 0.00 min  
 Lab File: VU034315.D  
 Acq: 06 Sep 2019 08:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.5  | 19.1  | 57.3  |
| 148     | 63.9  | 32.0  | 96.0  |





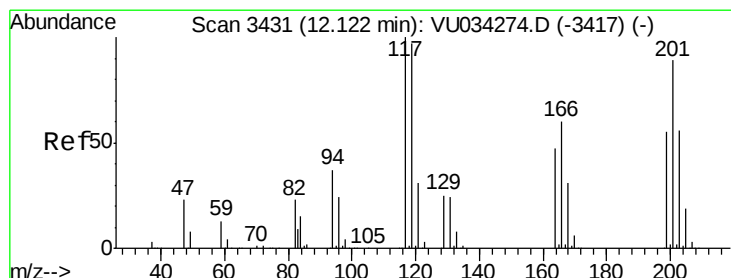
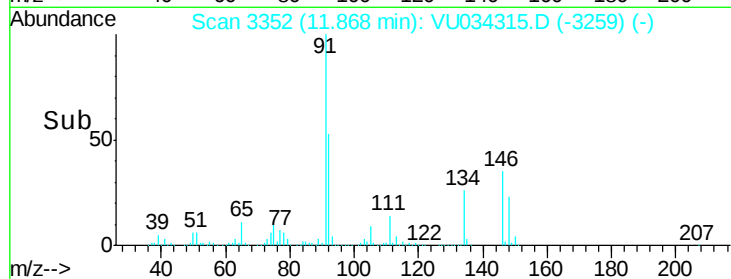
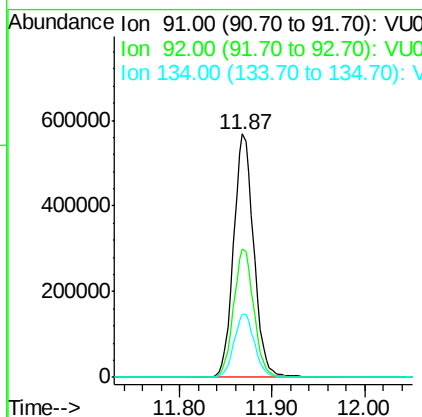
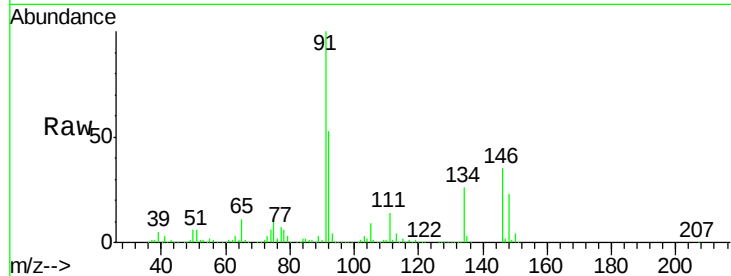
#89  
n-Butylbenzene  
Concen: 56.845 ug/l  
RT: 11.87 min Scan# 3352  
Delta R.T. 0.00 min  
Lab File: VU034315.D  
Acq: 06 Sep 2019 08:52

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.9  | 26.5  | 79.4  |
| 134     | 26.4  | 13.2  | 39.6  |

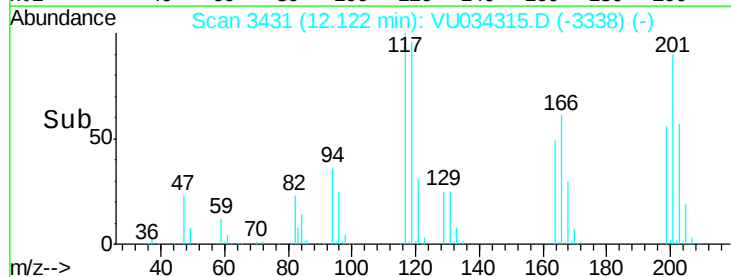
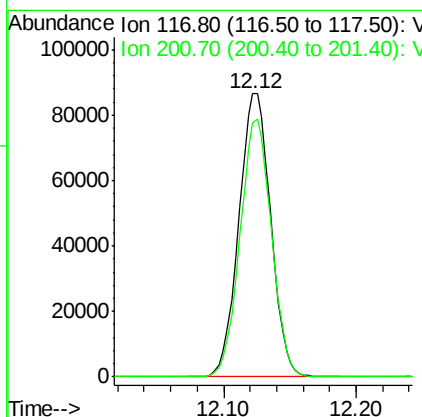
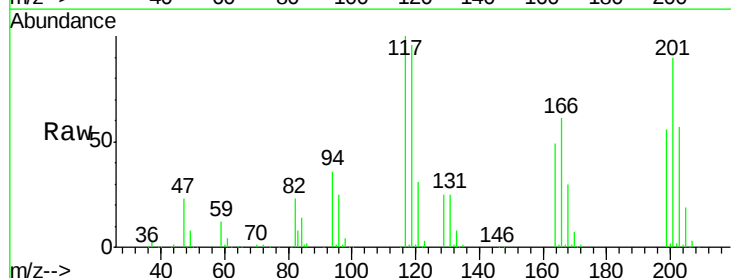
Manual Integrations  
APPROVED

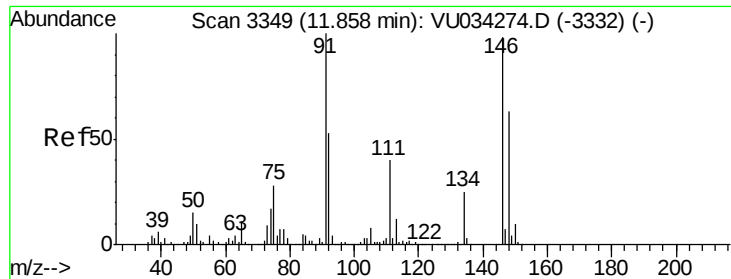
MMDadoda  
9/10/2019 10:48:36 AM



#90  
Hexachloroethane  
Concen: 51.852 ug/l  
RT: 12.12 min Scan# 3431  
Delta R.T. 0.00 min  
Lab File: VU034315.D  
Acq: 06 Sep 2019 08:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 89.5  | 44.1  | 132.4 |





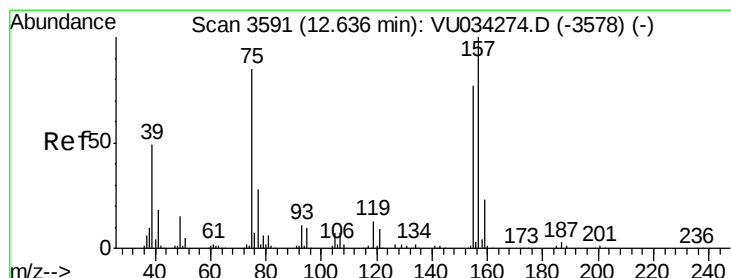
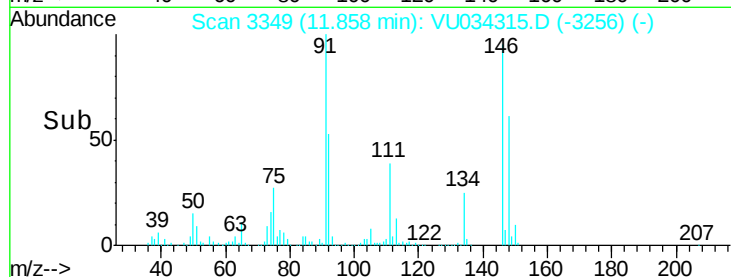
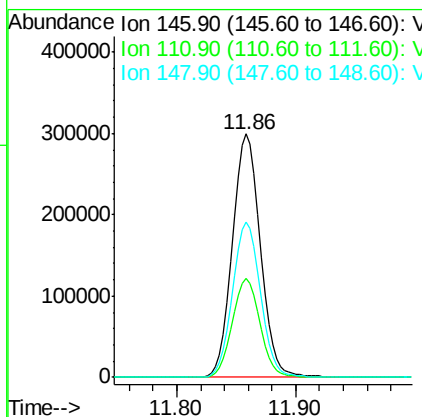
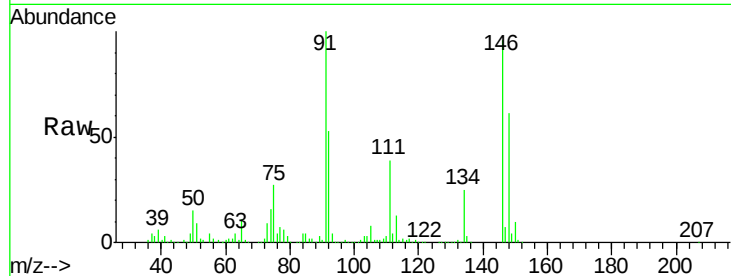
#91  
 1,2-Dichlorobenzene  
 Concen: 51.037 ug/l  
 RT: 11.86 min Scan# 3349  
 Delta R.T. 0.00 min  
 Lab File: VU034315.D  
 Acq: 06 Sep 2019 08:52

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.7  | 20.0  | 60.0  |
| 148     | 64.1  | 31.6  | 94.8  |

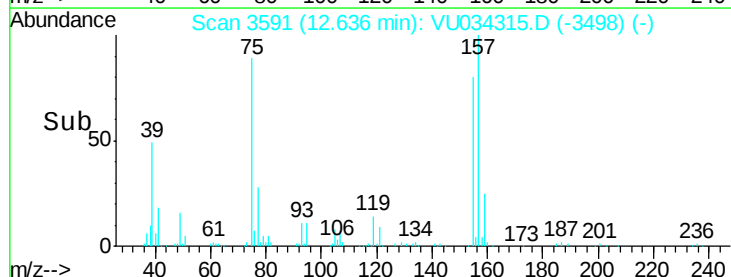
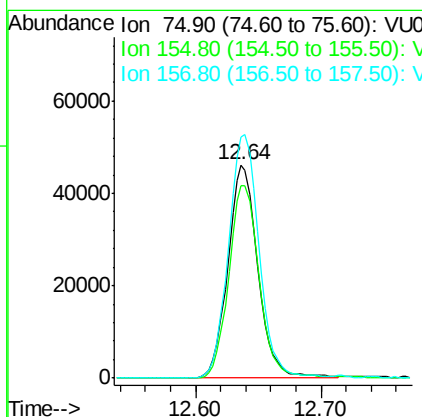
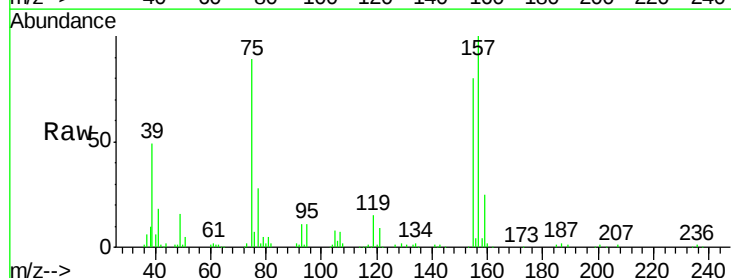
Manual Integrations  
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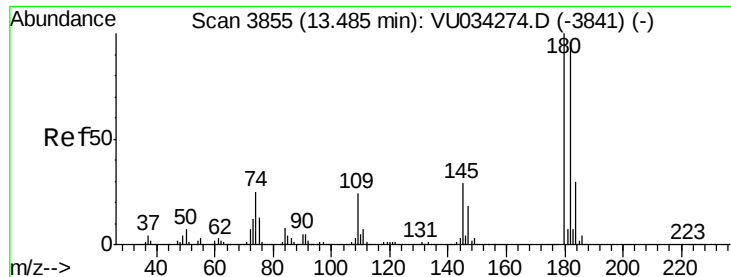
MMDadoda  
 9/10/2019 10:48:36 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 53.980 ug/l  
 RT: 12.64 min Scan# 3591  
 Delta R.T. 0.00 min  
 Lab File: VU034315.D  
 Acq: 06 Sep 2019 08:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 91.6  | 44.6  | 134.0 |
| 157     | 116.7 | 58.2  | 174.6 |





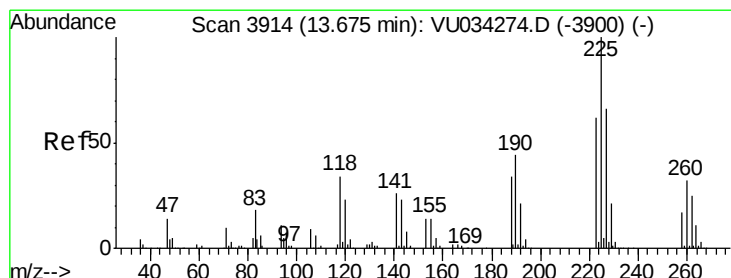
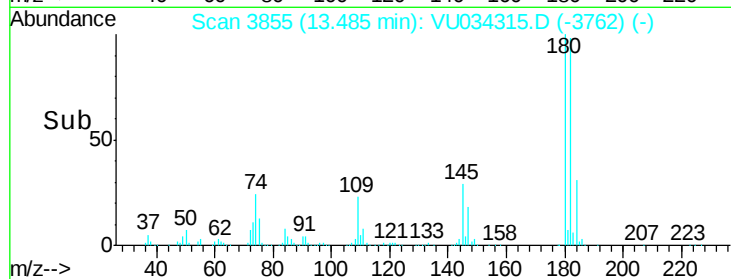
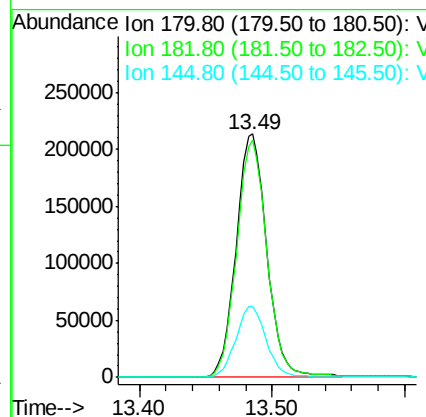
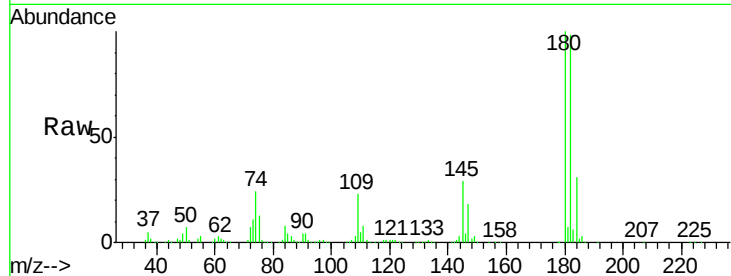
#93  
 1,2,4-Trichlorobenzene  
 Concen: 49.583 ug/l  
 RT: 13.49 min Scan# 3855  
 Delta R.T. 0.00 min  
 Lab File: VU034315.D  
 Acq: 06 Sep 2019 08:52

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.2  | 47.9  | 143.8 |
| 145     | 29.1  | 14.4  | 43.0  |

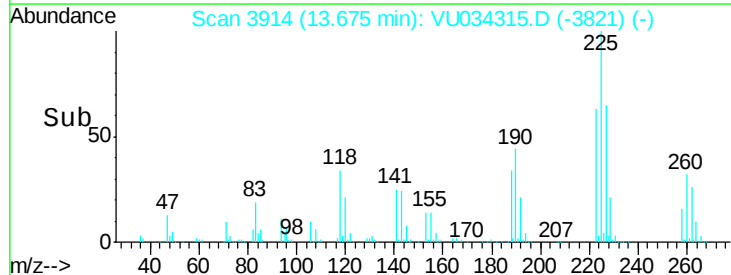
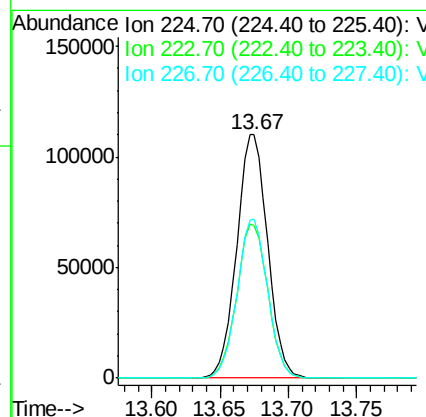
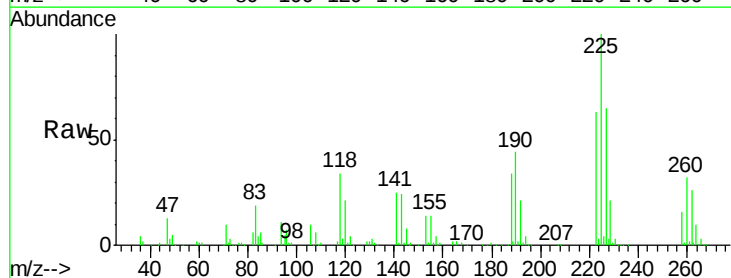
Manual Integrations  
 APPROVED

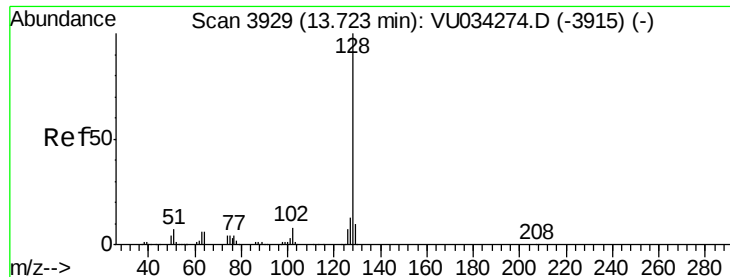
MMDadoda  
 9/10/2019 10:48:36 AM



#94  
 Hexachlorobutadiene  
 Concen: 51.733 ug/l  
 RT: 13.67 min Scan# 3914  
 Delta R.T. 0.00 min  
 Lab File: VU034315.D  
 Acq: 06 Sep 2019 08:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.6  | 31.6  | 94.7  |
| 227     | 64.3  | 32.3  | 96.8  |





#95

Naphthalene

Concen: 47.387 ug/l

RT: 13.72 min Scan# 3929

Delta R.T. 0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

Instrument :

MSVOA\_U

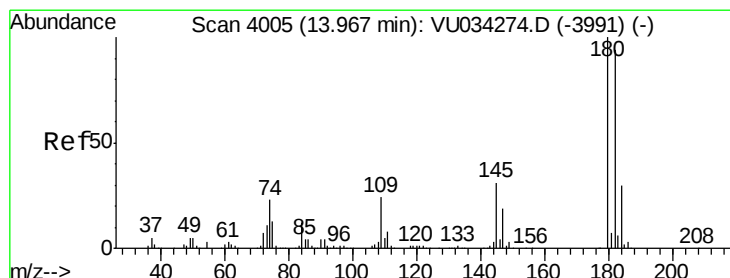
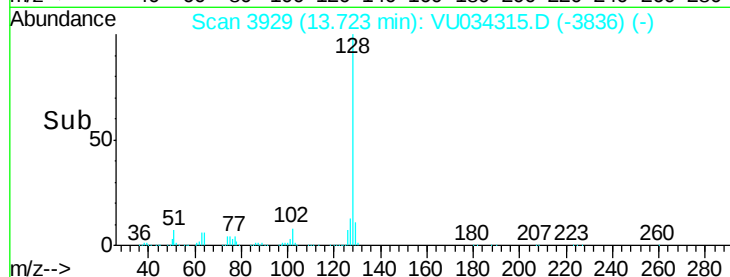
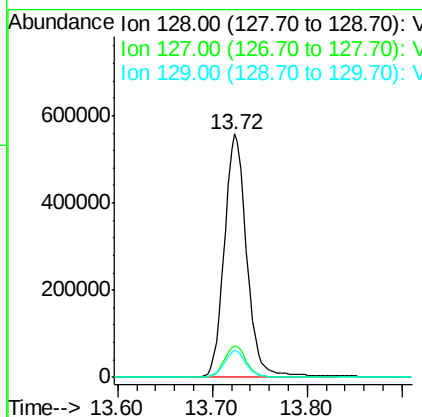
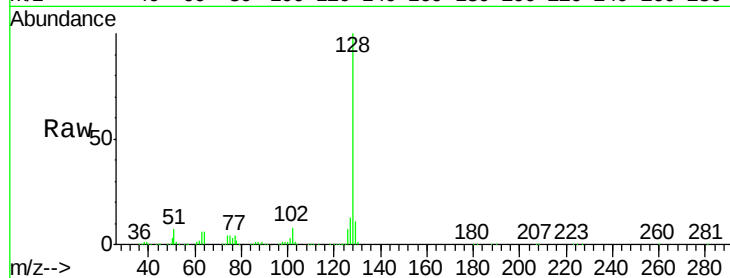
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 920757 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.8  | 10.6  | 15.8   |
| 129       | 10.4  | 8.4   | 12.6   |

Manual Integrations  
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#96

1,2,3-Trichlorobenzene

Concen: 49.792 ug/l

RT: 13.97 min Scan# 4005

Delta R.T. 0.00 min

Lab File: VU034315.D

Acq: 06 Sep 2019 08:52

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 333348 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 96.7  | 48.4  | 145.0  |
| 145       | 30.6  | 15.4  | 46.4   |

