

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090219\  
 Data File : VU034157.D  
 Acq On : 01 Sep 2019 05:38  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 50 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 9/3/2019 11:43:39 AM

Quant Time: Sep 01 06:11:13 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U082919W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 29 04:11:12 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.96  | 168  | 403375   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.86  | 114  | 652121   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.07  | 117  | 634034   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.46 | 152  | 347876   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 5.29   | 65  | 256862   | 49.70 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.40% |      |
| 35) Dibromofluoromethane  | 4.86   | 113 | 214811   | 47.49 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 94.98% |      |
| 50) Toluene-d8            | 7.55   | 98  | 841967   | 49.71 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.42% |      |
| 62) 4-Bromofluorobenzene  | 10.29  | 95  | 322732   | 48.99 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.98% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 197667  | 48.725  | ug/l | 99     |
| 3) Chloromethane              | 1.32 | 50  | 244910  | 44.995  | ug/l | 99     |
| 4) Vinyl Chloride             | 1.40 | 62  | 264345  | 48.958  | ug/l | 100    |
| 5) Bromomethane               | 1.61 | 94  | 137822  | 53.427  | ug/l | 97     |
| 6) Chloroethane               | 1.69 | 64  | 157229  | 47.631  | ug/l | 98     |
| 7) Trichlorofluoromethane     | 1.87 | 101 | 310174  | 49.578  | ug/l | 100    |
| 8) Diethyl Ether              | 2.09 | 74  | 136160  | 50.875  | ug/l | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.27 | 101 | 192958  | 48.685  | ug/l | 99     |
| 10) Methyl Iodide             | 2.40 | 142 | 172249  | 30.637  | ug/l | 98     |
| 11) Tert butyl alcohol        | 2.81 | 59  | 273124  | 229.149 | ug/l | 100    |
| 12) 1,1-Dichloroethene        | 2.27 | 96  | 204530  | 50.649  | ug/l | 99     |
| 13) Acrolein                  | 2.18 | 56  | 87560   | 174.630 | ug/l | 100    |
| 14) Allyl chloride            | 2.58 | 41  | 362437m | 47.736  | ug/l |        |
| 15) Acrylonitrile             | 2.92 | 53  | 716557  | 261.990 | ug/l | 100    |
| 16) Acetone                   | 2.31 | 43  | 588846  | 223.280 | ug/l | 98     |
| 17) Carbon Disulfide          | 2.46 | 76  | 572244  | 44.774  | ug/l | 99     |
| 18) Methyl Acetate            | 2.60 | 43  | 338159  | 49.619  | ug/l | 100    |
| 19) Methyl tert-butyl Ether   | 2.98 | 73  | 706143  | 53.370  | ug/l | 99     |
| 20) Methylene Chloride        | 2.68 | 84  | 246047  | 49.282  | ug/l | 99     |
| 21) trans-1,2-Dichloroethene  | 2.96 | 96  | 219175  | 50.010  | ug/l | 99     |
| 22) Diisopropyl ether         | 3.55 | 45  | 739990  | 53.189  | ug/l | 98     |
| 23) Vinyl Acetate             | 3.50 | 43  | 3103813 | 259.704 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 3.42 | 63  | 422933  | 51.490  | ug/l | 100    |
| 25) 2-Butanone                | 4.23 | 43  | 938128  | 255.682 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 4.20 | 77  | 225782  | 33.782  | ug/l | 96     |
| 27) cis-1,2-Dichloroethene    | 4.20 | 96  | 252569  | 51.344  | ug/l | 96     |
| 28) Bromochloromethane        | 4.52 | 49  | 210892  | 52.113  | ug/l | 98     |
| 29) Tetrahydrofuran           | 4.61 | 42  | 611731  | 270.350 | ug/l | 99     |
| 30) Chloroform                | 4.65 | 83  | 408959  | 49.902  | ug/l | 98     |
| 31) Cyclohexane               | 4.97 | 56  | 360509  | 46.709  | ug/l | 99     |
| 32) 1,1,1-Trichloroethane     | 4.89 | 97  | 338988  | 50.505  | ug/l | 100    |
| 36) 1,1-Dichloropropene       | 5.12 | 75  | 302294  | 49.008  | ug/l | 100    |
| 37) Ethyl Acetate             | 4.36 | 43  | 345351  | 49.998  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 5.11 | 117 | 290767  | 48.836  | ug/l | 99     |

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 ALS Vial : 50 Sample Multiplier: 1

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 MSVOA\_U  
 ClientSampleID :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 9/3/2019 11:43:39 AM

Quant Time: Sep 01 06:11:13 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U082919W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 29 04:11:12 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 6.40  | 83   | 337910   | 46.480  | ug/l   | 98       |
| 40) Benzene                    | 5.37  | 78   | 932591   | 49.972  | ug/l   | 100      |
| 41) Methacrylonitrile          | 4.52  | 41   | 187822   | 53.020  | ug/l   | 99       |
| 42) 1,2-Dichloroethane         | 5.38  | 62   | 318967   | 49.495  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 5.53  | 43   | 528794   | 50.321  | ug/l   | 99       |
| 44) Trichloroethene            | 6.16  | 130  | 254233   | 51.877  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 6.41  | 63   | 261881   | 50.977  | ug/l   | 99       |
| 46) Dibromomethane             | 6.54  | 93   | 166241   | 50.228  | ug/l   | 99       |
| 47) Bromodichloromethane       | 6.74  | 83   | 327667   | 50.602  | ug/l   | 99       |
| 48) Methyl methacrylate        | 6.60  | 41   | 256814   | 50.645  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 6.59  | 88   | 105557   | 830.807 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone       | 7.44  | 43   | 1811088  | 249.558 | ug/l   | 100      |
| 52) Toluene                    | 7.62  | 92   | 591741   | 51.472  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 7.86  | 75   | 330008   | 45.930  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 7.25  | 75   | 374976   | 47.769  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 8.05  | 97   | 245608   | 50.507  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 8.00  | 69   | 367045   | 45.592  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 8.22  | 76   | 415861   | 50.366  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 7.11  | 63   | 620617   | 230.690 | ug/l   | 100      |
| 59) 2-Hexanone                 | 8.34  | 43   | 1362685  | 248.732 | ug/l   | 100      |
| 60) Dibromochloromethane       | 8.46  | 129  | 259370   | 49.688  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 8.57  | 107  | 250421   | 48.886  | ug/l   | 99       |
| 64) Tetrachloroethene          | 8.21  | 164  | 226042   | 53.087  | ug/l   | 98       |
| 65) Chlorobenzene              | 9.10  | 112  | 646609   | 49.557  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 9.19  | 131  | 228504   | 48.297  | ug/l   | 99       |
| 67) Ethyl Benzene              | 9.23  | 91   | 1123358  | 50.790  | ug/l   | 99       |
| 68) m/p-Xylenes                | 9.35  | 106  | 861870   | 102.481 | ug/l   | 99       |
| 69) o-Xylene                   | 9.76  | 106  | 409756   | 50.785  | ug/l   | 99       |
| 70) Styrene                    | 9.77  | 104  | 734553   | 53.096  | ug/l   | 100      |
| 71) Bromoform                  | 9.94  | 173  | 196550   | 47.814  | ug/l # | 99       |
| 73) Isopropylbenzene           | 10.15 | 105  | 1109442  | 47.480  | ug/l   | 100      |
| 74) N-amyl acetate             | 9.99  | 43   | 474387   | 48.270  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 10.44 | 83   | 404051   | 45.178  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 10.47 | 75   | 355307m  | 45.317  | ug/l   |          |
| 77) Bromobenzene               | 10.43 | 156  | 290811   | 46.266  | ug/l   | 97       |
| 78) n-propylbenzene            | 10.57 | 91   | 1308782  | 48.095  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 10.64 | 91   | 772877   | 47.351  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 10.75 | 105  | 962163   | 48.583  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 10.49 | 75   | 75627m   | 32.479  | ug/l   |          |
| 82) 4-Chlorotoluene            | 10.75 | 91   | 905859   | 48.256  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 11.08 | 119  | 898262   | 46.073  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 11.13 | 105  | 969742   | 49.311  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.30 | 105  | 1100104  | 47.079  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 11.46 | 119  | 1011644  | 47.869  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 11.40 | 146  | 533624   | 47.953  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 11.49 | 146  | 537113   | 47.727  | ug/l   | 100      |
| 89) n-Butylbenzene             | 11.87 | 91   | 891051   | 47.822  | ug/l   | 99       |
| 90) Hexachloroethane           | 12.12 | 117  | 147450   | 40.354  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 11.86 | 146  | 517721   | 48.568  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 12.64 | 75   | 81598    | 45.797  | ug/l   | 97       |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 50 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

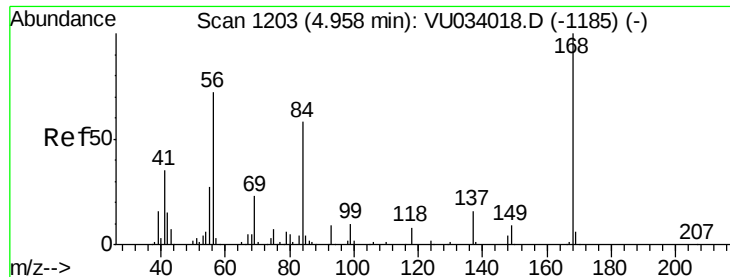
MMDadoda  
9/3/2019 11:43:39 AM

Quant Time: Sep 01 06:11:13 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U082919W.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 29 04:11:12 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.48 | 180  | 347798   | 45.963 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.67 | 225  | 167726   | 40.222 | ug/l  | 98       |
| 95) Naphthalene            | 13.72 | 128  | 1018100  | 46.999 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 13.97 | 180  | 346326   | 50.718 | 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: VU034157.D

Acq: 01 Sep 2019 05:38

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 403375

Ion Ratio Lower Upper

168 100

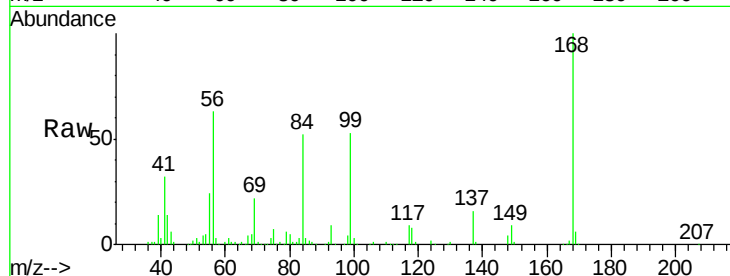
99 52.8 42.3 63.5

Manual Integrations

APPROVED

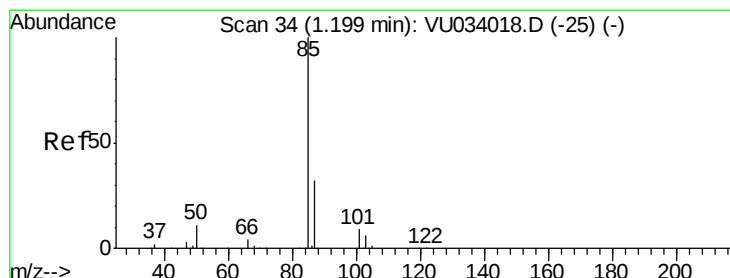
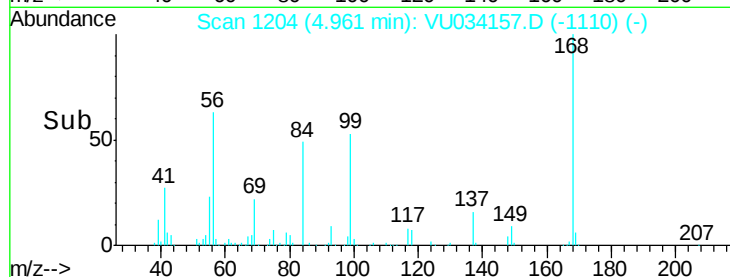
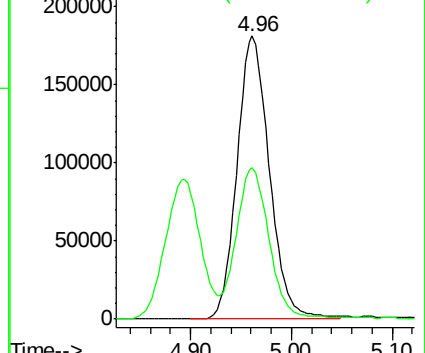
MMDadoda

9/3/2019 11:43:39 AM



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

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



#2

Dichlorodifluoromethane

Concen: 48.725 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034157.D

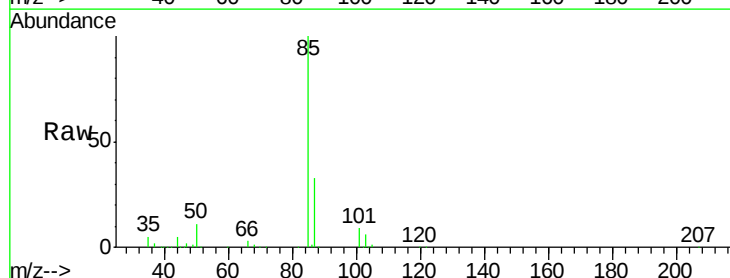
Acq: 01 Sep 2019 05:38

Tgt Ion: 85 Resp: 197667

Ion Ratio Lower Upper

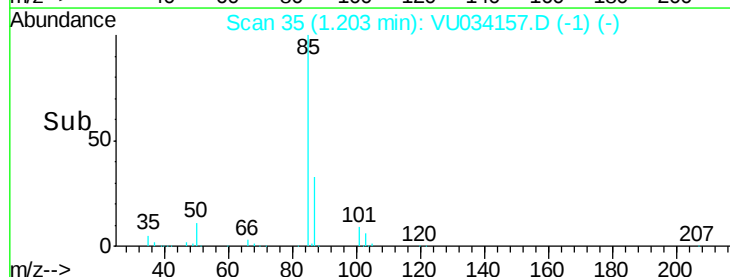
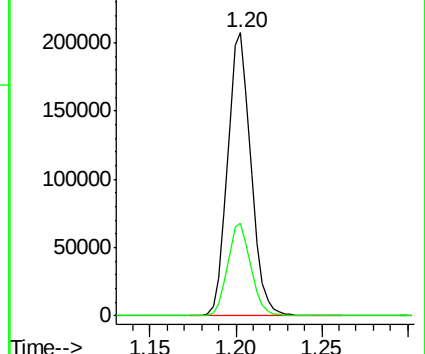
85 100

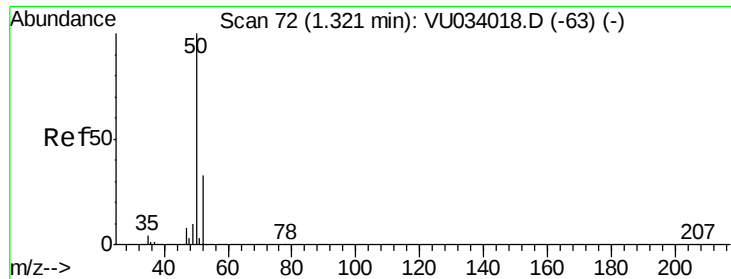
87 32.8 16.1 48.3



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

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





#3

Chloromethane

Concen: 44.995 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034157.D

Acq: 01 Sep 2019 05:38

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 244910

Ion Ratio Lower Upper

50 100

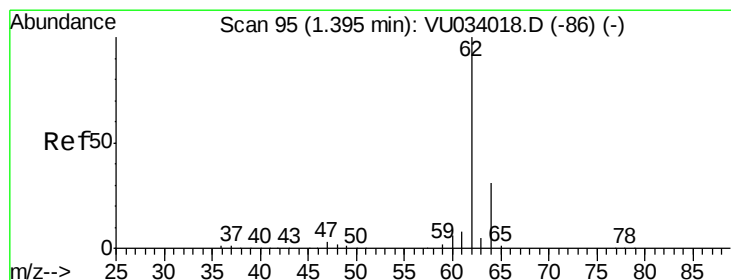
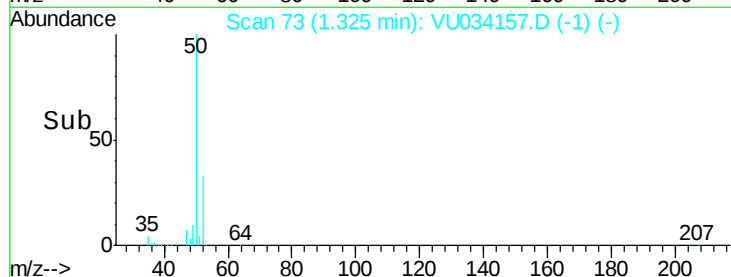
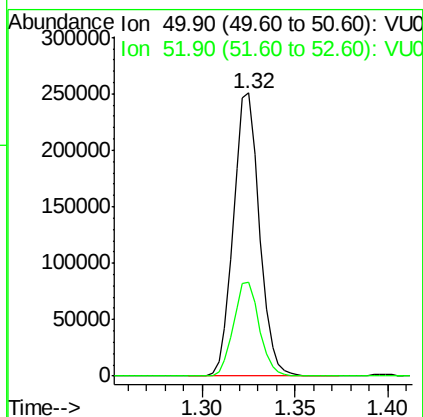
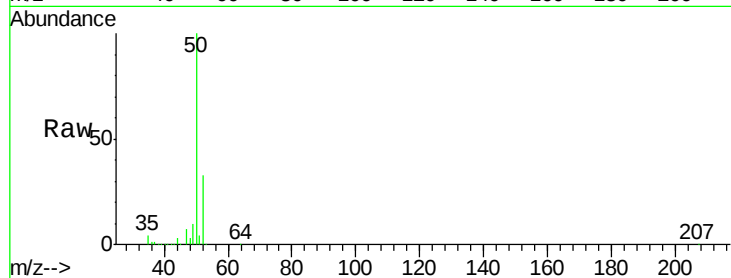
52 33.2 26.2 39.4

Manual Integrations

APPROVED

MMDadoda

9/3/2019 11:43:39 AM



#4

Vinyl Chloride

Concen: 48.958 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034157.D

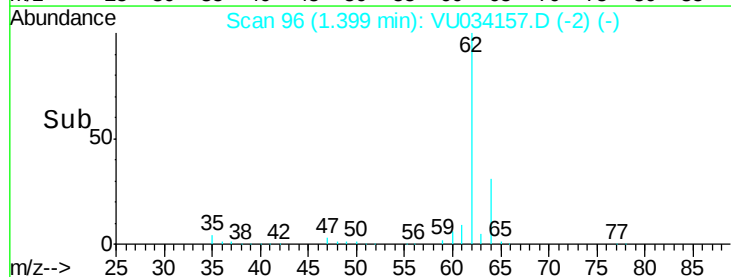
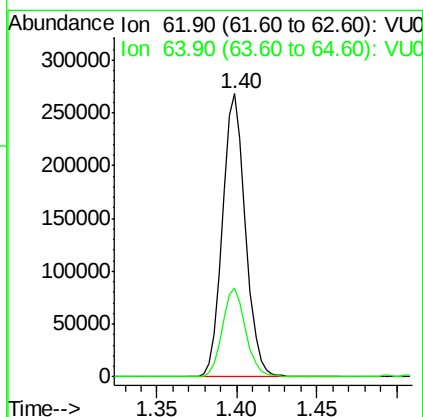
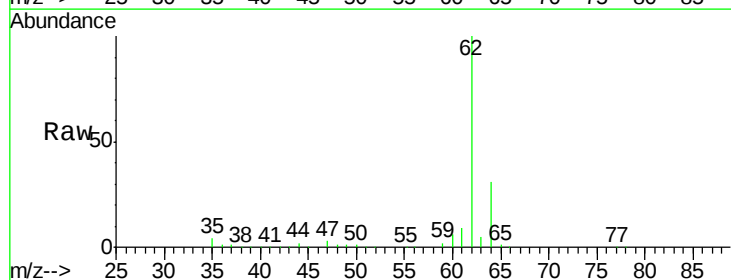
Acq: 01 Sep 2019 05:38

Tgt Ion: 62 Resp: 264345

Ion Ratio Lower Upper

62 100

64 31.3 25.0 37.6





#5

Bromomethane

Concen: 53.427 ug/l

RT: 1.61 min Scan# 162

Delta R.T. 0.01 min

Lab File: VU034157.D

Acq: 01 Sep 2019 05:38

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 137822

Ion Ratio Lower Upper

94 100

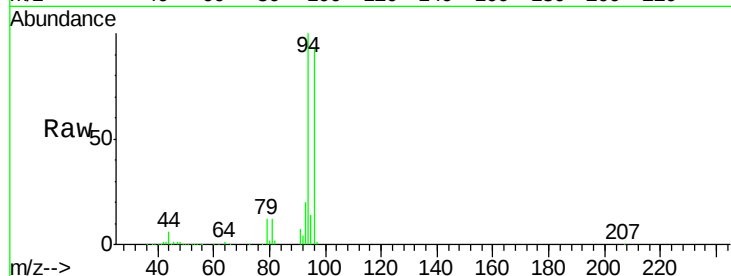
96 92.8 76.3 114.5

Manual Integrations

APPROVED

MMDadoda

9/3/2019 11:43:39 AM



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.61

120000

100000

80000

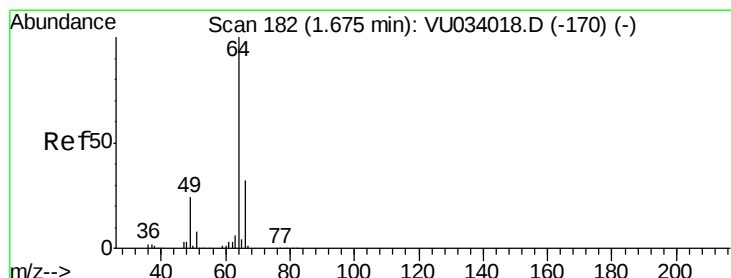
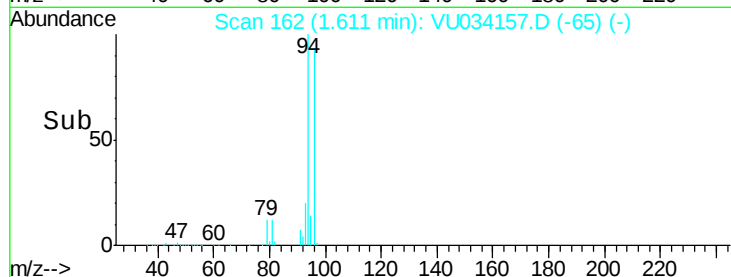
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 47.631 ug/l

RT: 1.69 min Scan# 186

Delta R.T. 0.01 min

Lab File: VU034157.D

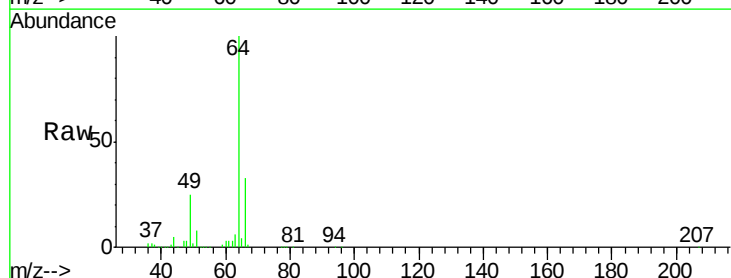
Acq: 01 Sep 2019 05:38

Tgt Ion: 64 Resp: 157229

Ion Ratio Lower Upper

64 100

66 32.9 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

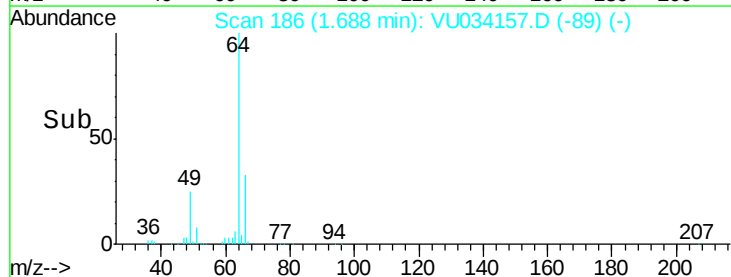
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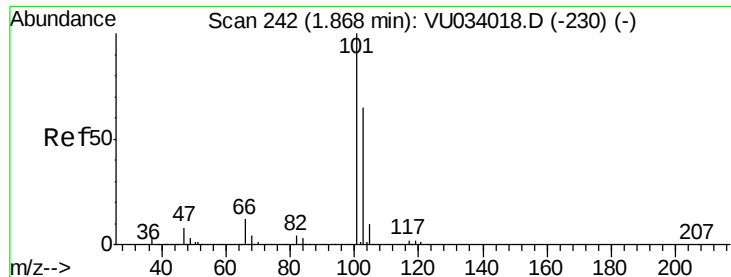
100000

50000

0

Time-->





#7

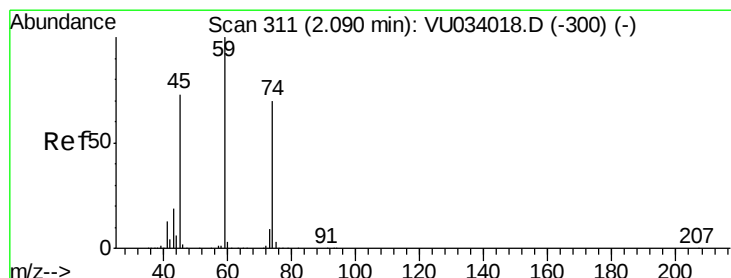
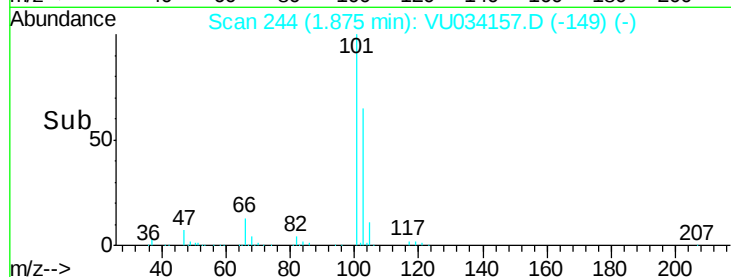
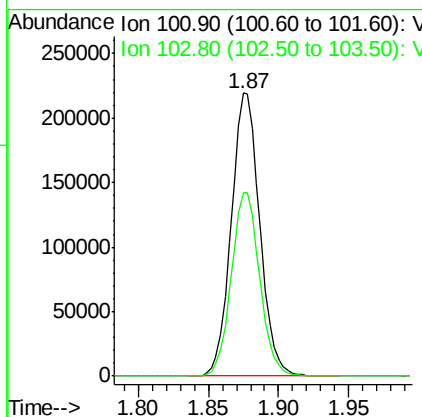
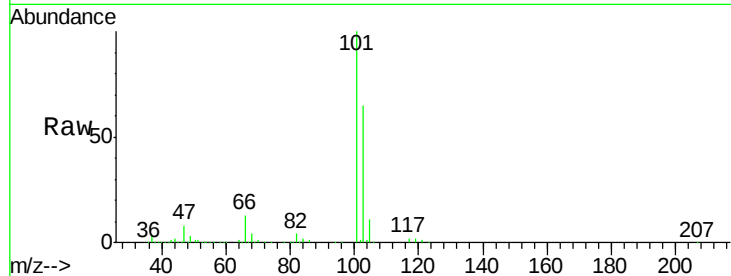
Trichlorofluoromethane  
 Concen: 49.578 ug/l  
 RT: 1.87 min Scan# 244  
 Delta R.T. 0.01 min  
 Lab File: VU034157.D  
 Acq: 01 Sep 2019 05:38

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 65.0  | 52.1  | 78.1  |

Manual Integrations  
 APPROVED

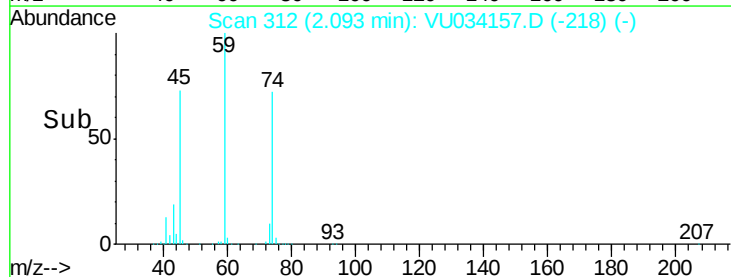
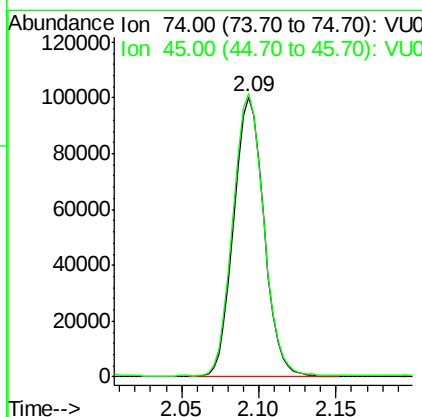
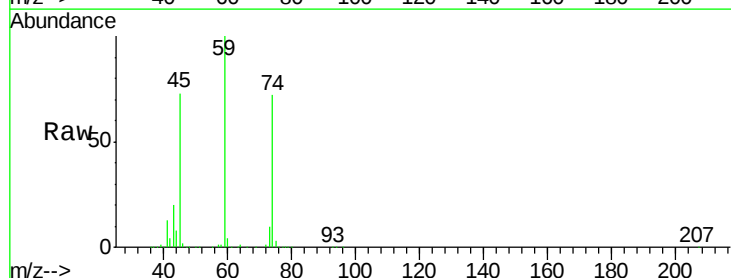
MMDadoda  
 9/3/2019 11:43:39 AM



#8

Diethyl Ether  
 Concen: 50.875 ug/l  
 RT: 2.09 min Scan# 312  
 Delta R.T. 0.00 min  
 Lab File: VU034157.D  
 Acq: 01 Sep 2019 05:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 102.4 | 51.8  | 155.5 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.685 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034157.D

Acq: 01 Sep 2019 05:38

Instrument :

MSVOA\_U

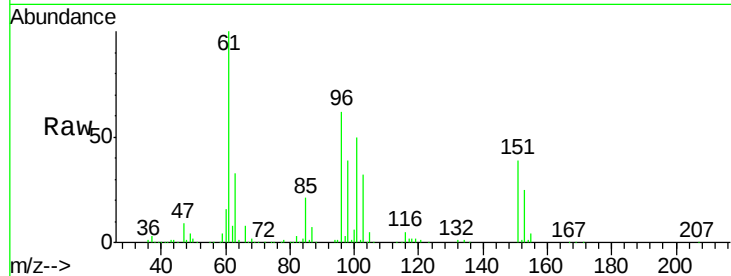
ClientSampleId :

VSTDCCC050EC

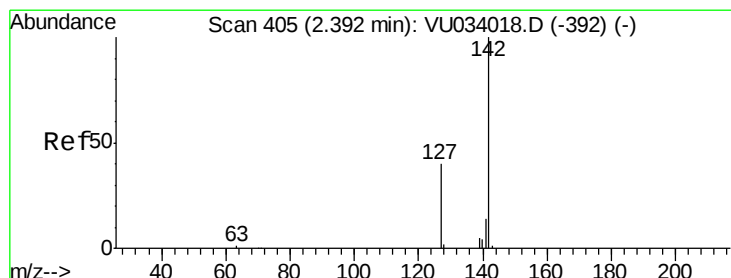
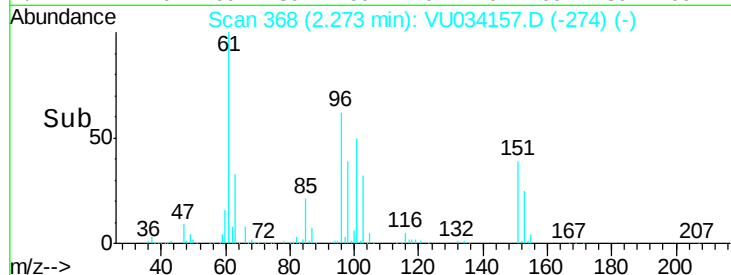
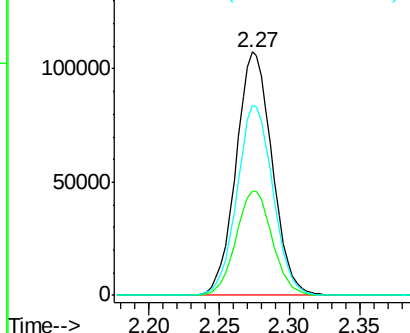
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 101     | 100   | 192958 |       |       |
| 85      | 42.9  | 34.2   | 51.2  |       |
| 151     | 77.8  | 61.4   | 92.2  |       |

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



#10

Methyl Iodide

Concen: 30.637 ug/l

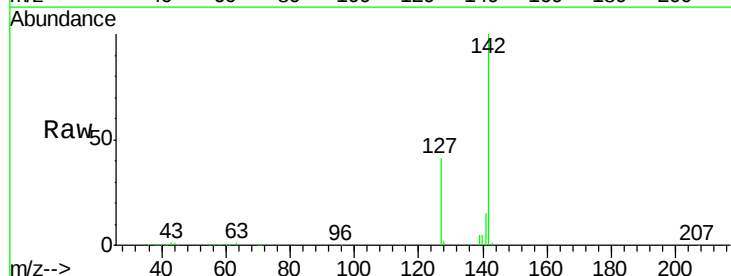
RT: 2.40 min Scan# 407

Delta R.T. 0.01 min

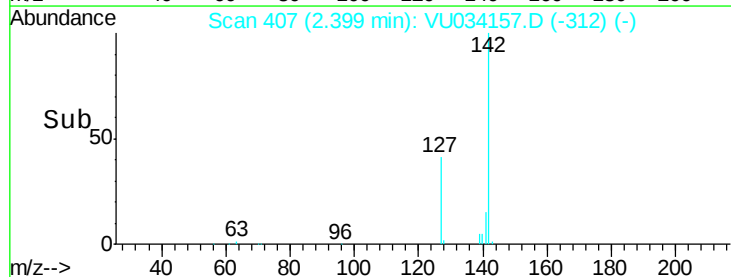
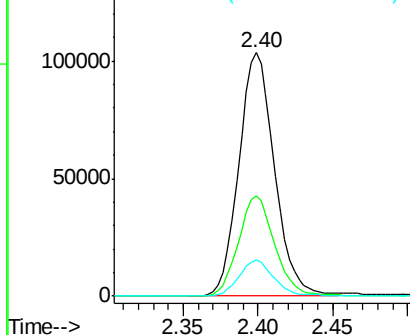
Lab File: VU034157.D

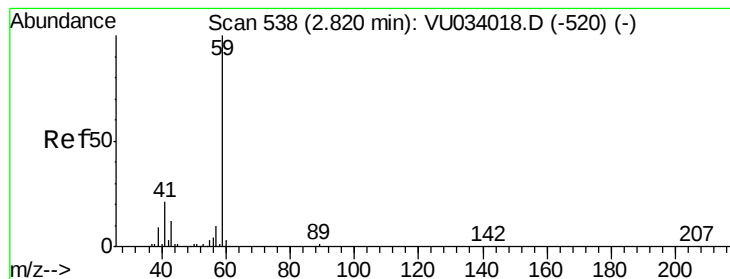
Acq: 01 Sep 2019 05:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 142     | 100   | 172249 |       |       |
| 127     | 41.9  | 32.6   | 48.8  |       |
| 141     | 14.4  | 11.3   | 16.9  |       |



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





#11

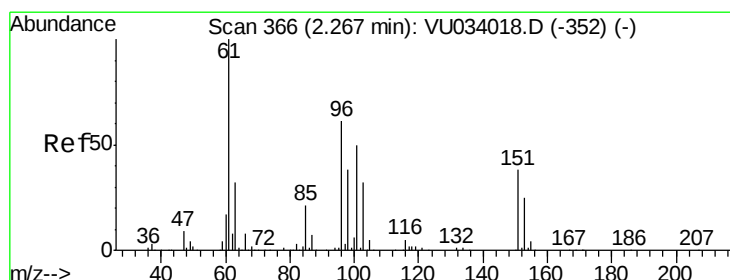
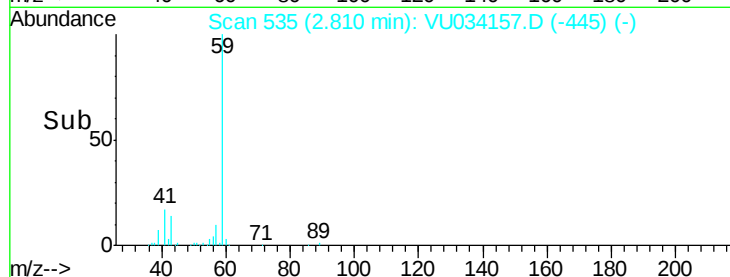
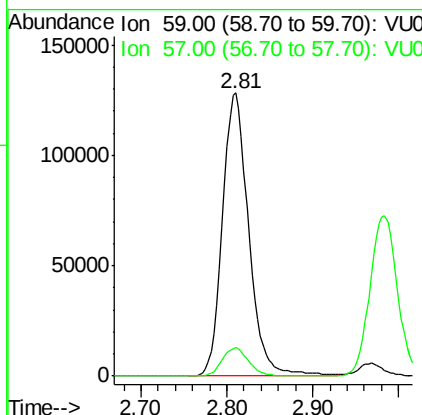
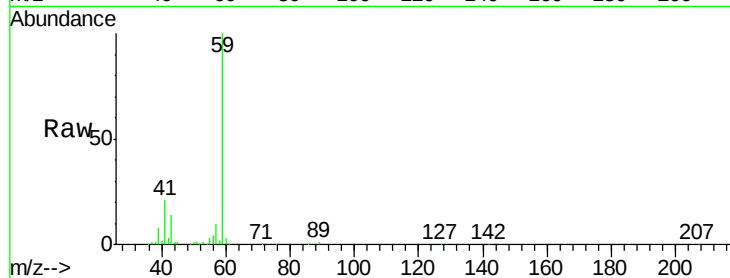
Tert butyl alcohol  
 Concen: 229.149 ug/l  
 RT: 2.81 min Scan# 535  
 Delta R.T. -0.01 min  
 Lab File: VU034157.D  
 Acq: 01 Sep 2019 05:38

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.0  | 8.0   | 12.0  |

Manual Integrations  
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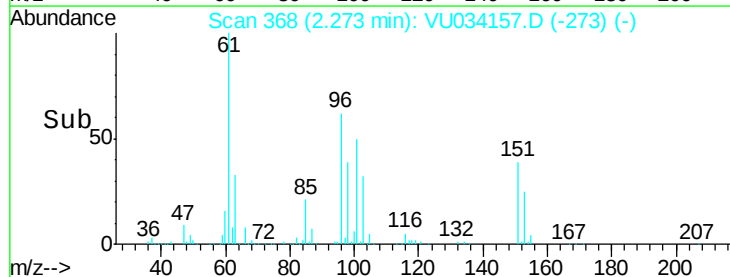
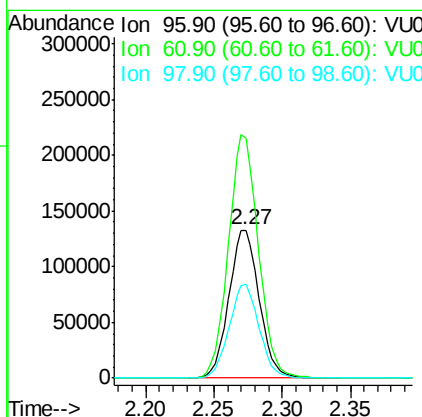
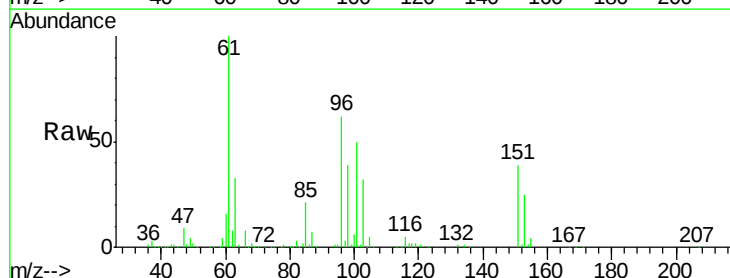
MMDadoda  
 9/3/2019 11:43:39 AM

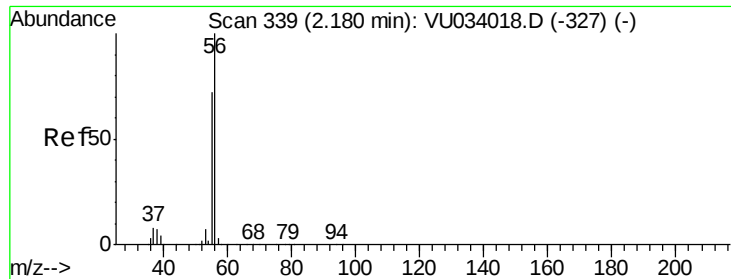


#12

1,1-Dichloroethene  
 Concen: 50.649 ug/l  
 RT: 2.27 min Scan# 368  
 Delta R.T. 0.01 min  
 Lab File: VU034157.D  
 Acq: 01 Sep 2019 05:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 161.7 | 131.3 | 196.9 |
| 98      | 63.4  | 50.3  | 75.5  |





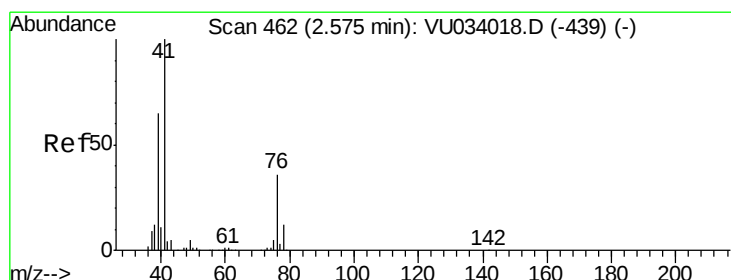
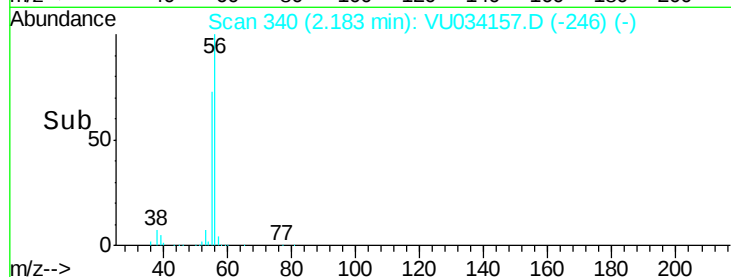
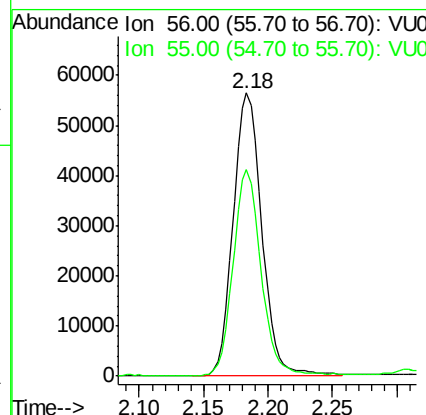
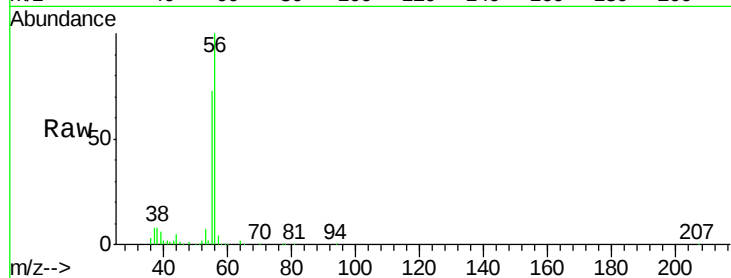
#13  
Acrolein  
Concen: 174.630 ug/l  
RT: 2.18 min Scan# 340  
Delta R.T. 0.00 min  
Lab File: VU034157.D  
Acq: 01 Sep 2019 05:38

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 55      | 71.6  | 57.1  | 85.7  |

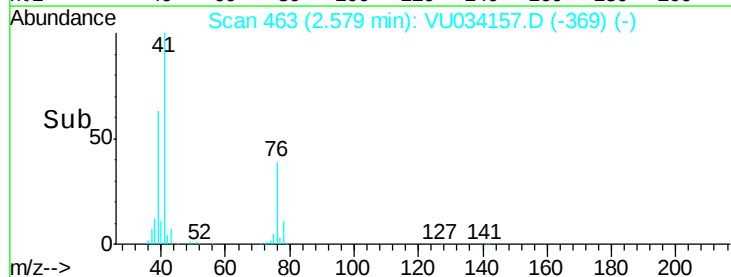
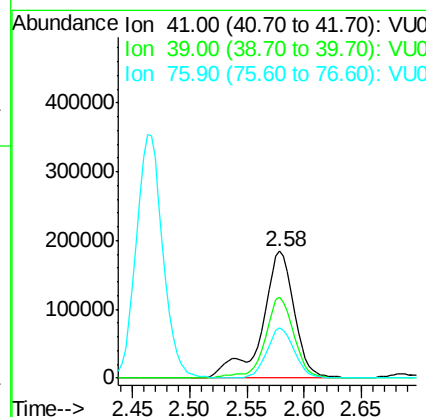
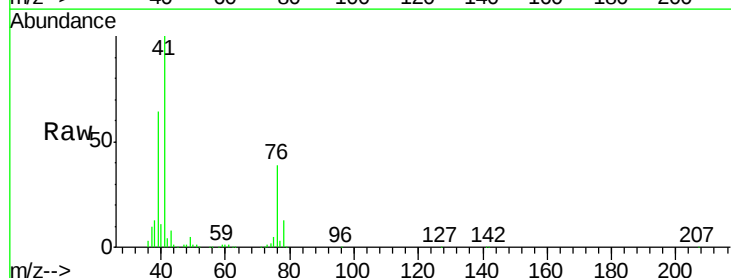
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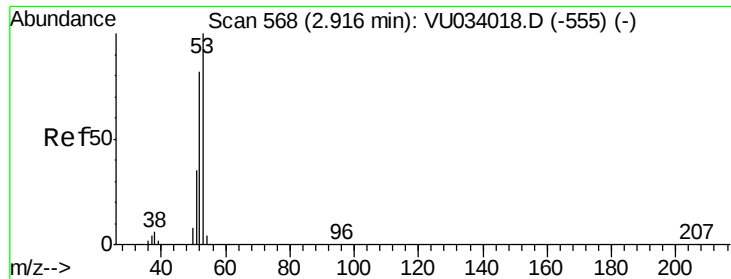
MMDadoda  
9/3/2019 11:43:39 AM



#14  
Allyl chloride  
Concen: 47.736 ug/l m  
RT: 2.58 min Scan# 463  
Delta R.T. 0.00 min  
Lab File: VU034157.D  
Acq: 01 Sep 2019 05:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 56.7  | 46.8  | 70.2  |
| 76      | 33.0  | 26.6  | 40.0  |





#15

Acrylonitrile

Concen: 261.990 ug/l

RT: 2.92 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU034157.D

Acq: 01 Sep 2019 05:38

Instrument :

MSVOA\_U

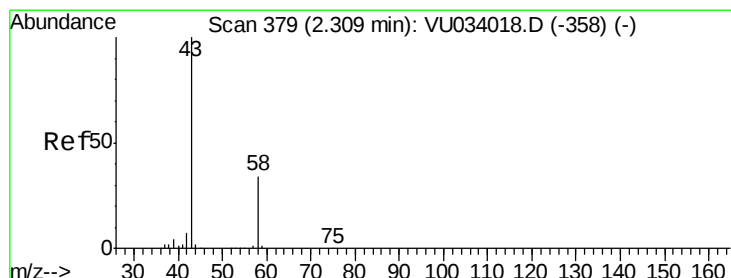
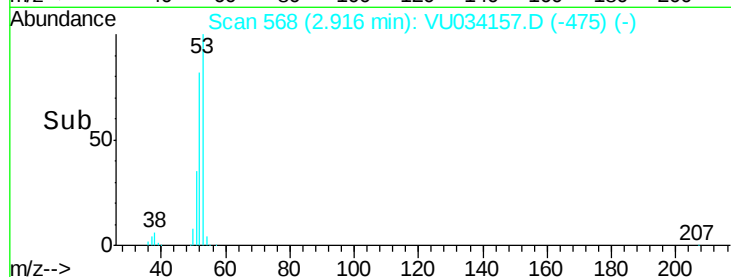
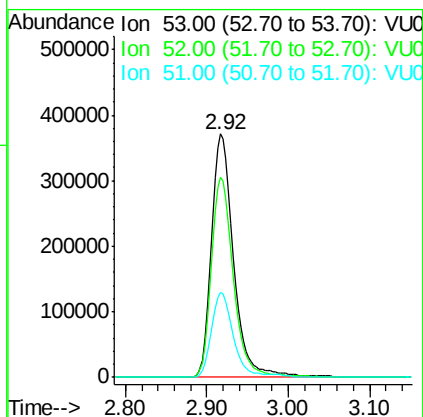
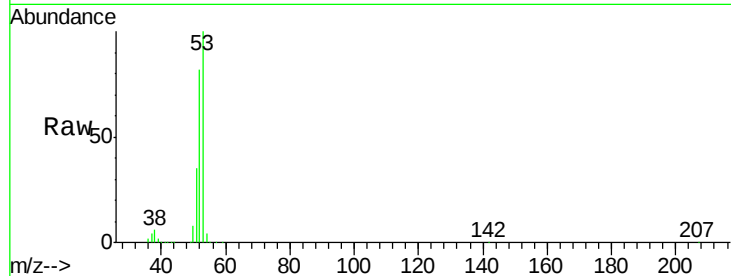
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 716557 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 82.0  | 65.7  | 98.5   |
| 51       | 35.3  | 27.9  | 41.9   |

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#16

Acetone

Concen: 223.280 ug/l

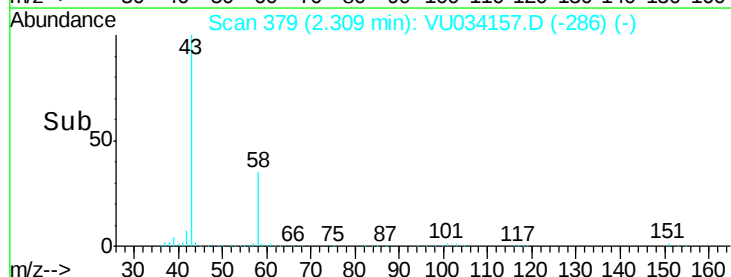
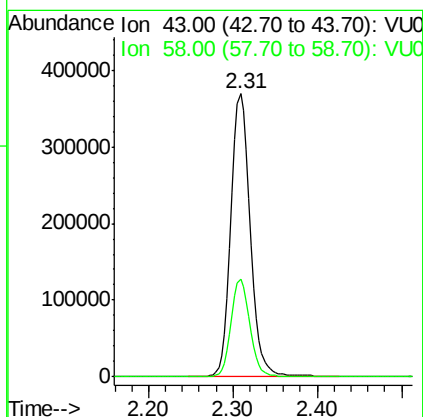
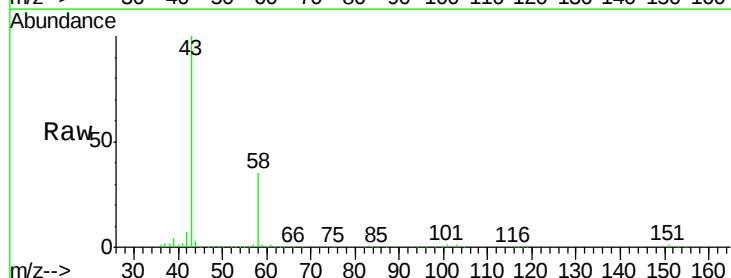
RT: 2.31 min Scan# 379

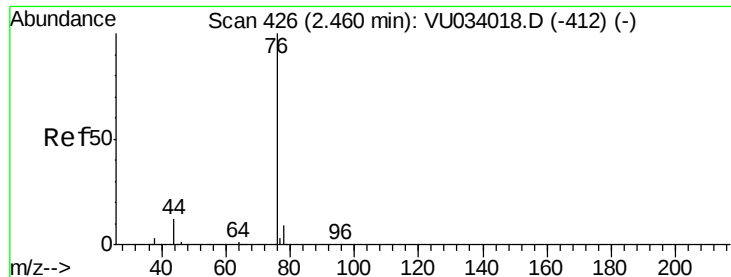
Delta R.T. 0.00 min

Lab File: VU034157.D

Acq: 01 Sep 2019 05:38

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 588846 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 34.5  | 26.8  | 40.2   |





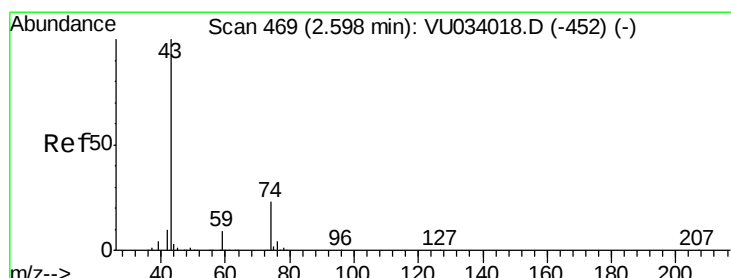
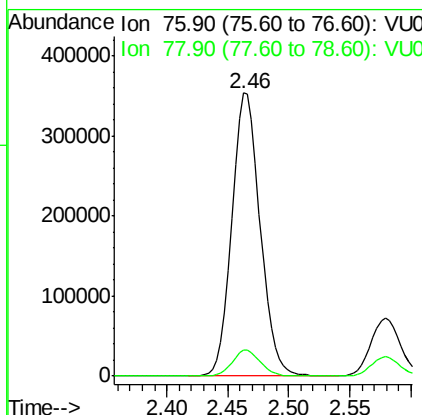
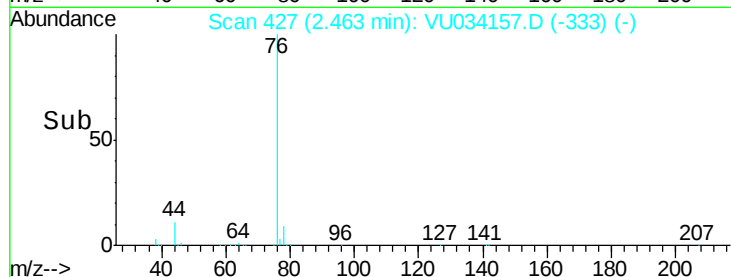
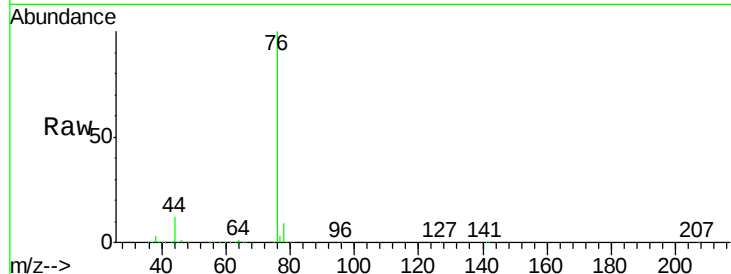
#17  
Carbon Disulfide  
Concen: 44.774 ug/l  
RT: 2.46 min Scan# 427  
Delta R.T. 0.00 min  
Lab File: VU034157.D  
Acq: 01 Sep 2019 05:38

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.1   | 7.1   | 10.7  |

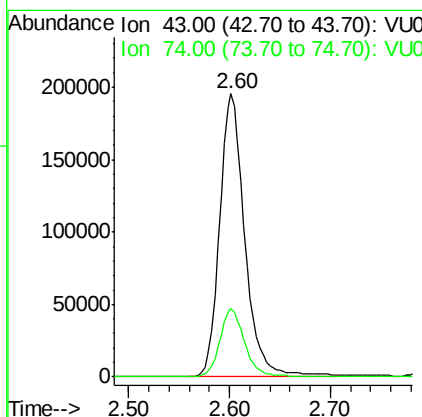
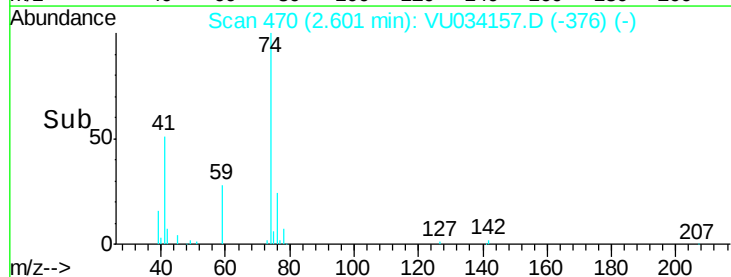
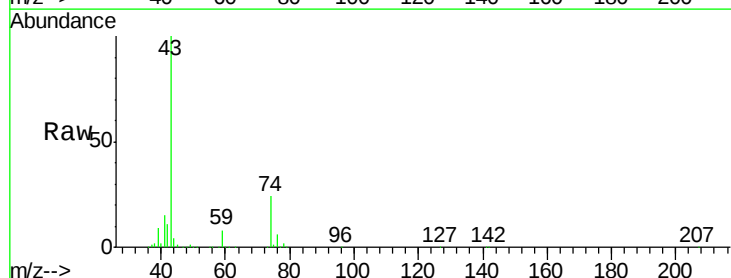
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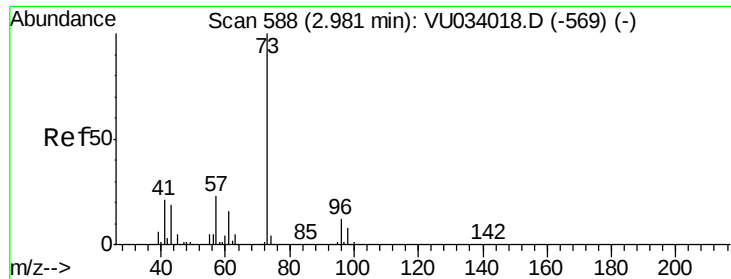
MMDadoda  
9/3/2019 11:43:39 AM



#18  
Methyl Acetate  
Concen: 49.619 ug/l  
RT: 2.60 min Scan# 470  
Delta R.T. 0.00 min  
Lab File: VU034157.D  
Acq: 01 Sep 2019 05:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 23.9  | 19.2  | 28.8  |





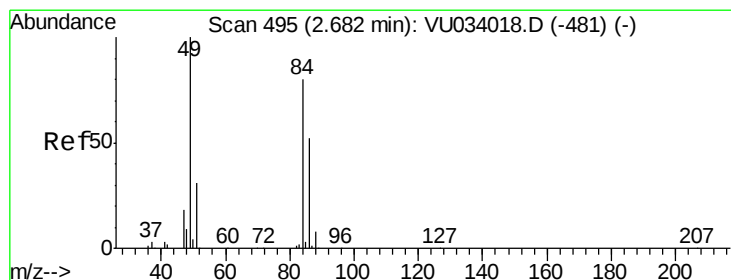
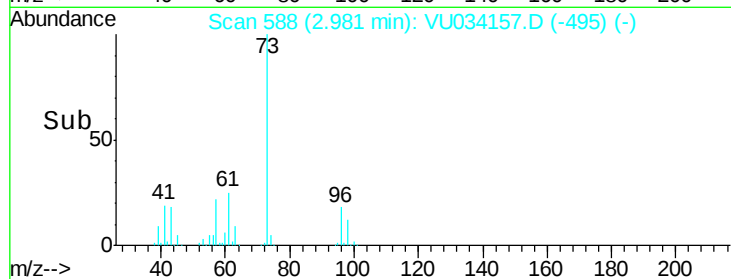
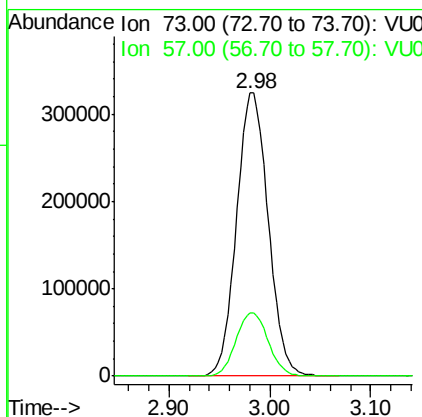
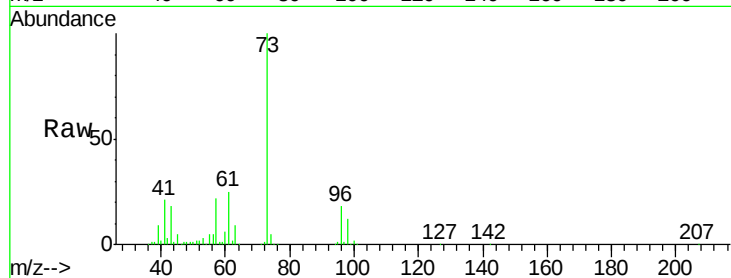
#19  
Methvl tert-butvl Ether  
Concen: 53.370 ug/l  
RT: 2.98 min Scan# 588  
Delta R.T. 0.00 min  
Lab File: VU034157.D  
Acq: 01 Sep 2019 05:38

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 73 Resp: 706143  
Ion Ratio Lower Upper  
73 100  
57 22.3 18.3 27.5

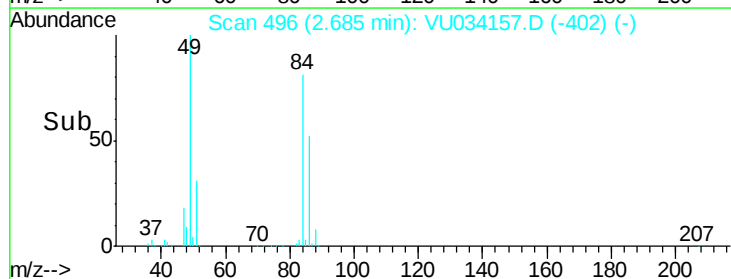
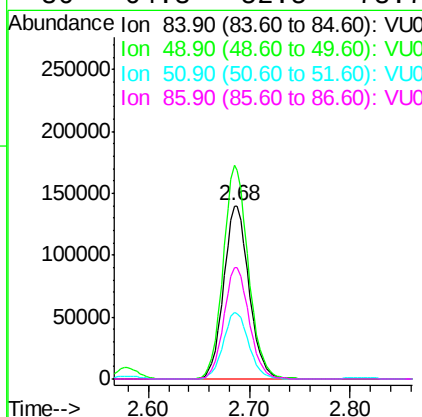
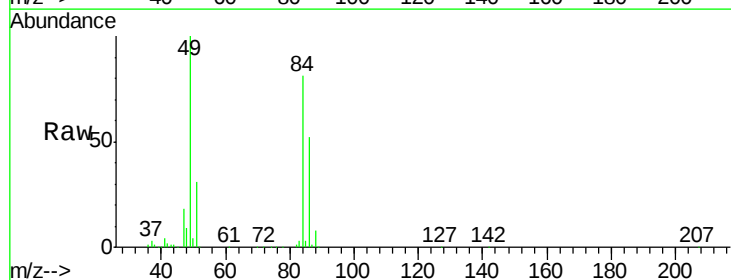
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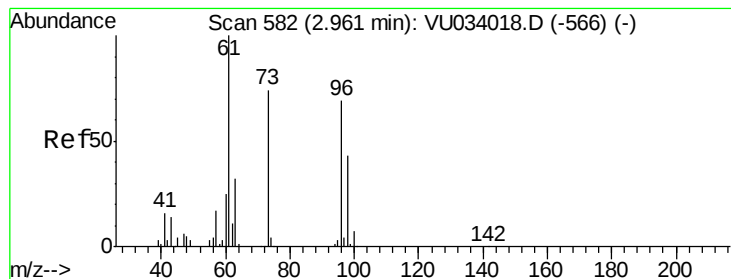
MMDadoda  
9/3/2019 11:43:39 AM



#20  
Methylene Chloride  
Concen: 49.282 ug/l  
RT: 2.68 min Scan# 496  
Delta R.T. 0.00 min  
Lab File: VU034157.D  
Acq: 01 Sep 2019 05:38

Tgt Ion: 84 Resp: 246047  
Ion Ratio Lower Upper  
84 100  
49 123.6 100.2 150.4  
51 38.7 30.8 46.2  
86 64.3 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 50.010 ug/l

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU034157.D

Acq: 01 Sep 2019 05:38

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 219175

Ion Ratio Lower Upper

96 100

61 143.4 115.5 173.3

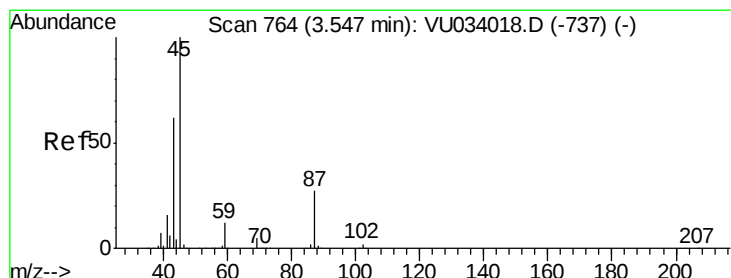
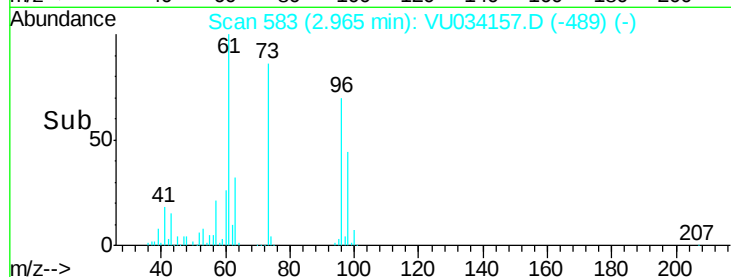
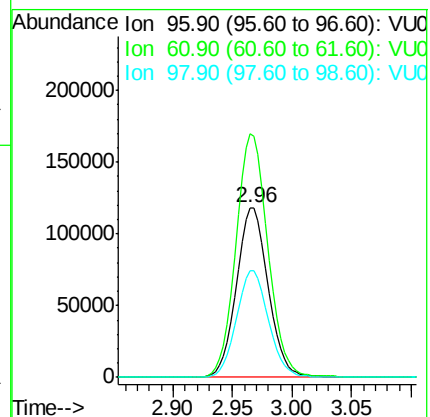
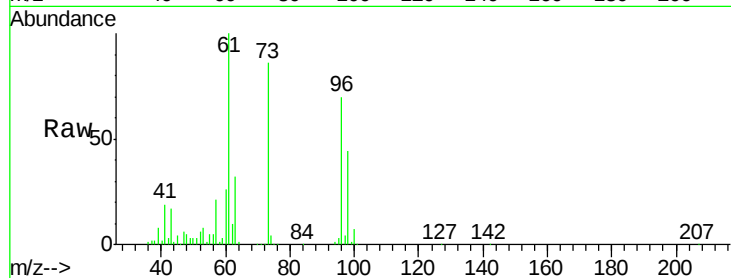
98 62.8 50.1 75.1

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9/3/2019 11:43:39 AM



#22

Diisopropyl ether

Concen: 53.189 ug/l

RT: 3.55 min Scan# 765

Delta R.T. 0.00 min

Lab File: VU034157.D

Acq: 01 Sep 2019 05:38

Tgt Ion: 45 Resp: 739990

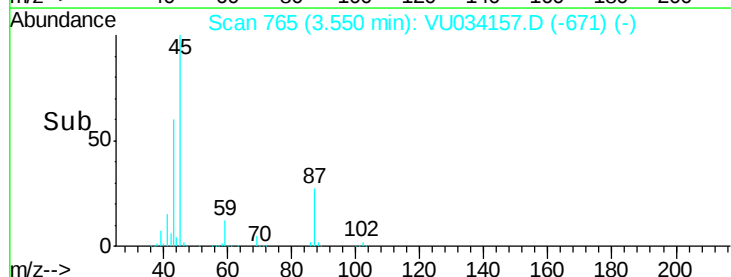
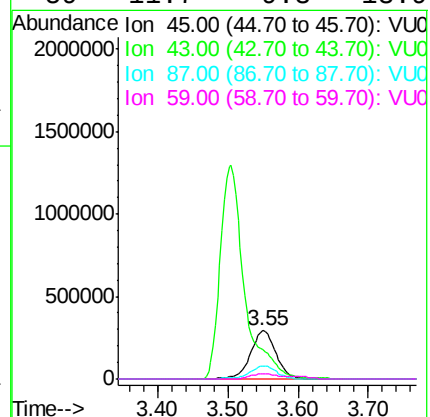
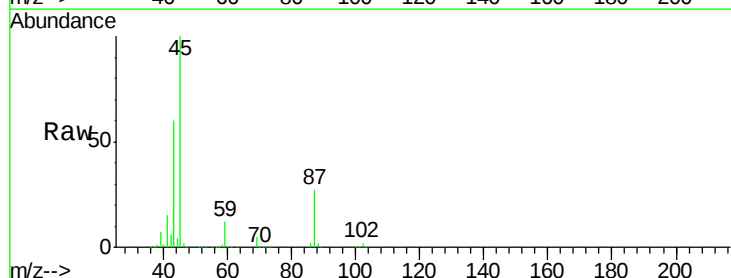
Ion Ratio Lower Upper

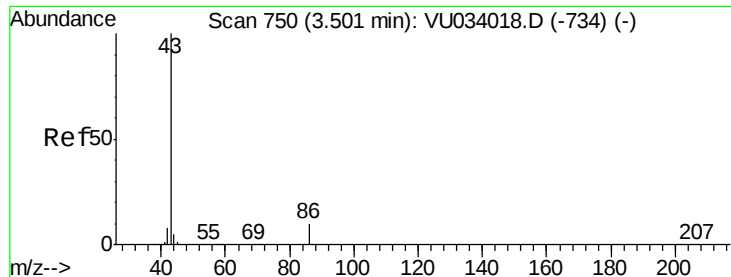
45 100

43 60.2 49.7 74.5

87 27.2 21.8 32.8

59 11.7 9.3 13.9





#23

Vinyl Acetate

Concen: 259.704 ug/l

RT: 3.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU034157.D

Acq: 01 Sep 2019 05:38

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3103813

Ion Ratio Lower Upper

43 100

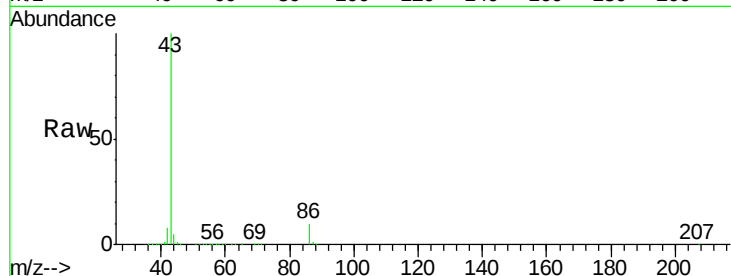
86 10.4 8.3 12.5

Manual Integrations

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MMDadoda

9/3/2019 11:43:39 AM



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

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

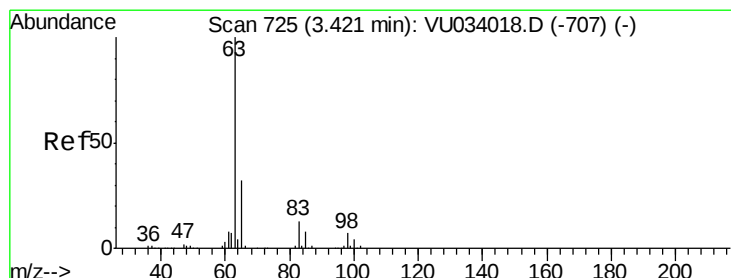
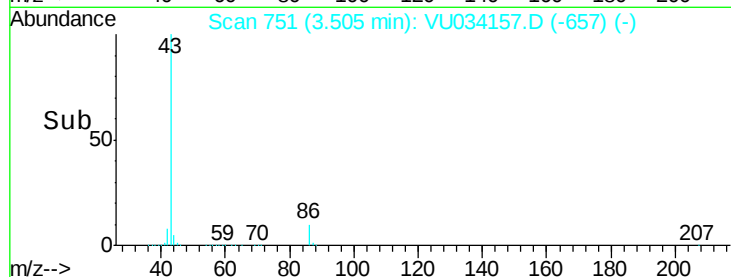
1500000

1000000

500000

0

Time-->



#24

1,1-Dichloroethane

Concen: 51.490 ug/l

RT: 3.42 min Scan# 726

Delta R.T. 0.00 min

Lab File: VU034157.D

Acq: 01 Sep 2019 05:38

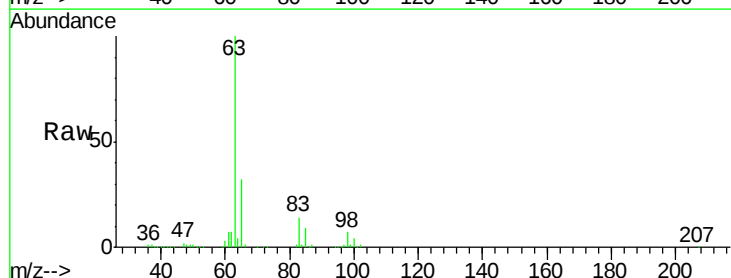
Tgt Ion: 63 Resp: 422933

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.8

100 4.1 2.0 6.0



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

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

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

250000

200000

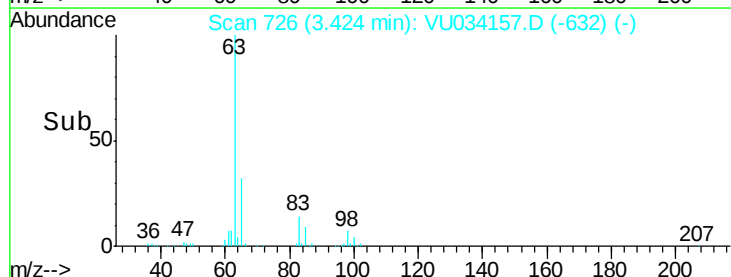
150000

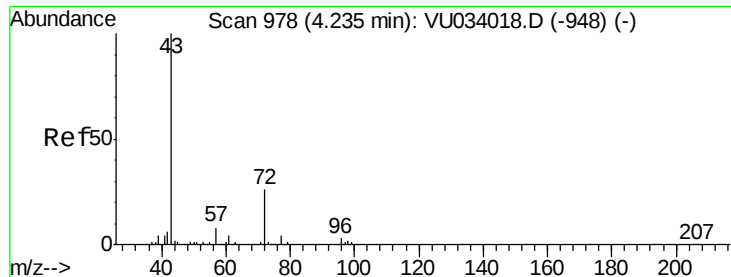
100000

50000

0

Time-->





#25

2-Butanone

Concen: 255.682 ug/l

RT: 4.23 min Scan# 978

Delta R.T. 0.00 min

Lab File: VU034157.D

Acq: 01 Sep 2019 05:38

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 938128

Ion Ratio Lower Upper

43 100

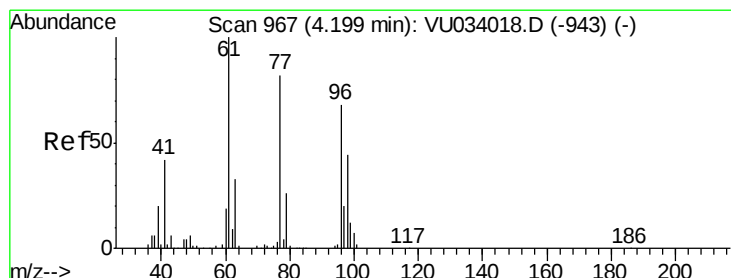
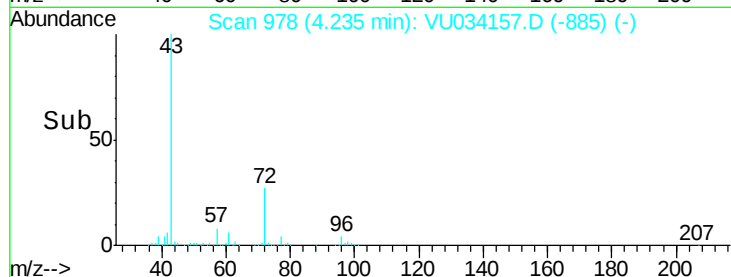
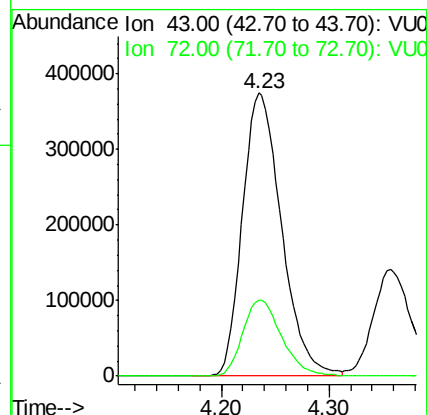
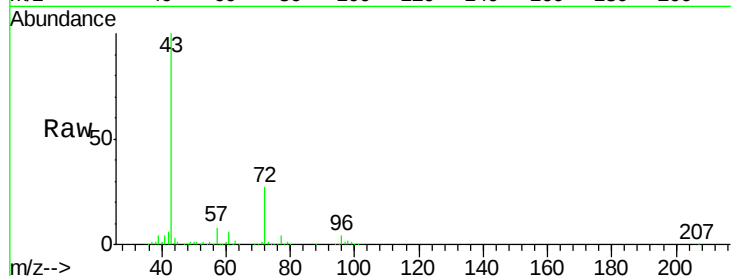
72 26.9 21.2 31.8

Manual Integrations

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9/3/2019 11:43:39 AM



#26

2,2-Dichloropropane

Concen: 33.782 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034157.D

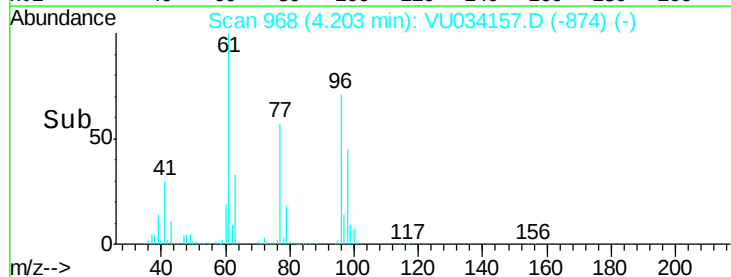
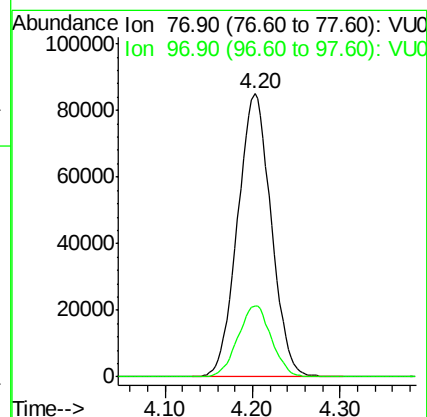
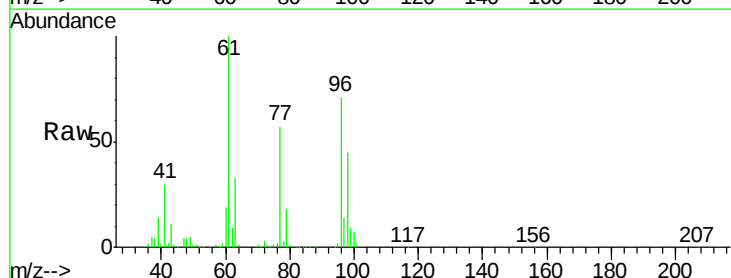
Acq: 01 Sep 2019 05:38

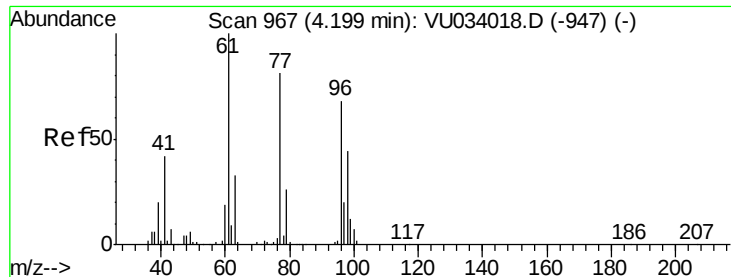
Tgt Ion: 77 Resp: 225782

Ion Ratio Lower Upper

77 100

97 25.2 11.6 34.7





#27

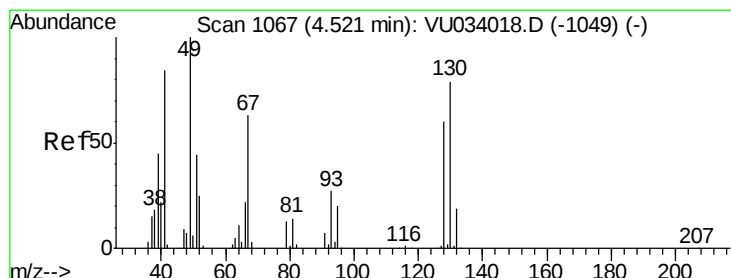
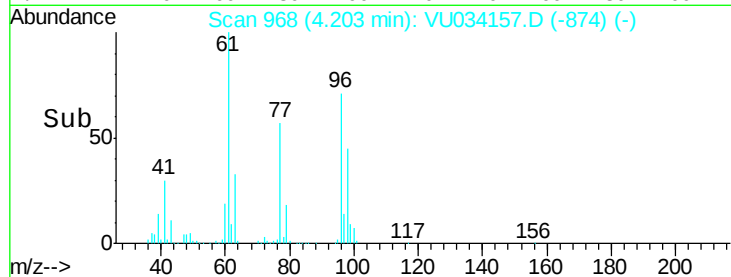
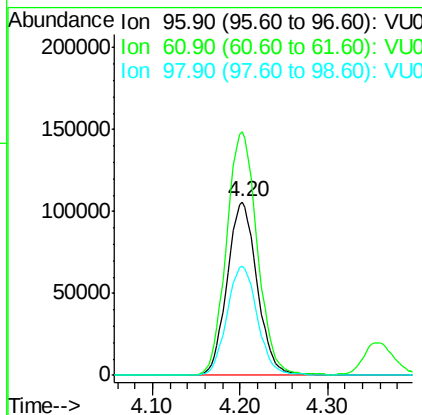
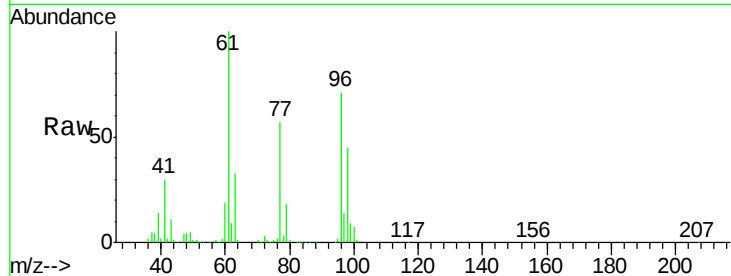
cis-1,2-Dichloroethene  
 Concen: 51.344 ug/l  
 RT: 4.20 min Scan# 968  
 Delta R.T. 0.00 min  
 Lab File: VU034157.D  
 Acq: 01 Sep 2019 05:38

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 252569 |       |       |
| 61      | 144.0 |        | 0.0   | 303.0 |
| 98      | 63.7  |        | 0.0   | 129.2 |

Manual Integrations  
 APPROVED

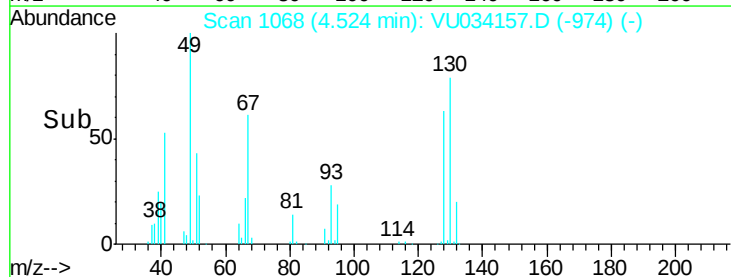
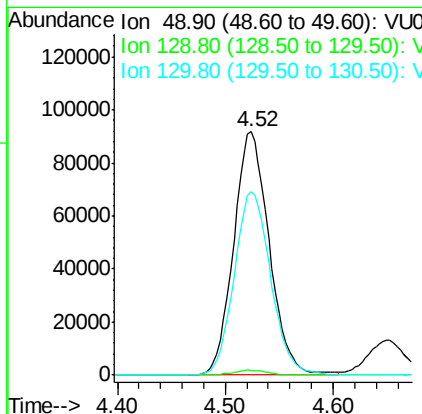
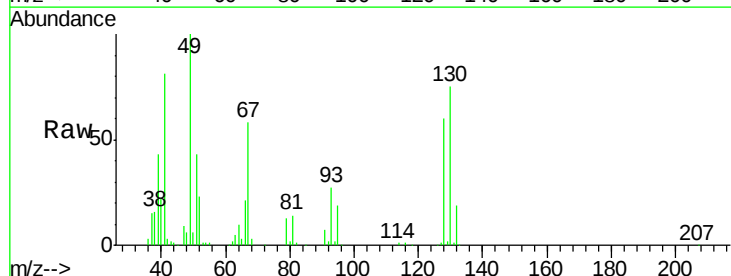
MMDadoda  
 9/3/2019 11:43:39 AM

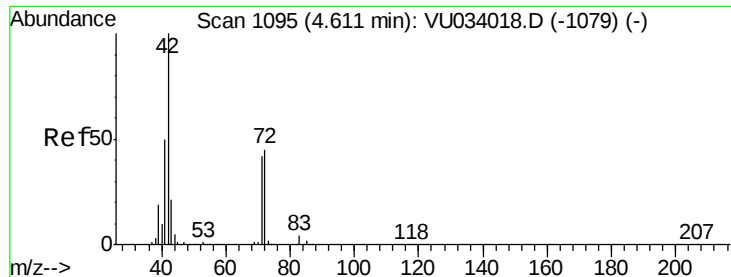


#28

Bromochloromethane  
 Concen: 52.113 ug/l  
 RT: 4.52 min Scan# 1068  
 Delta R.T. 0.00 min  
 Lab File: VU034157.D  
 Acq: 01 Sep 2019 05:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 210892 |       |       |
| 129     | 2.0   |        | 0.0   | 3.6   |
| 130     | 77.1  |        | 62.8  | 94.2  |





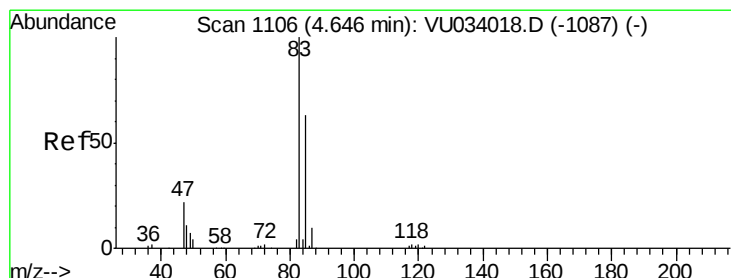
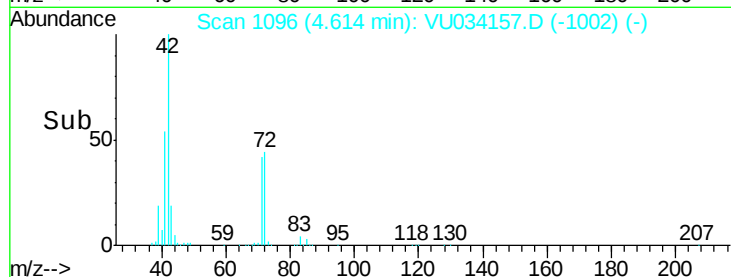
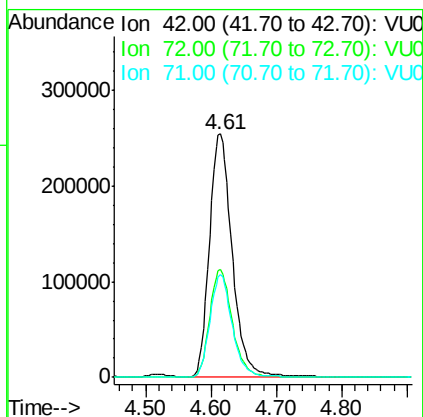
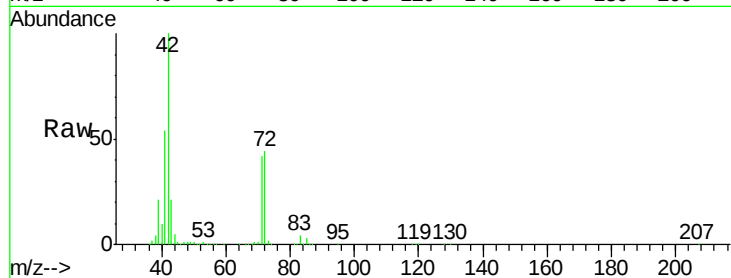
#29  
Tetrahydrofuran  
Concen: 270.350 ug/l  
RT: 4.61 min Scan# 1096  
Delta R.T. 0.00 min  
Lab File: VU034157.D  
Acq: 01 Sep 2019 05:38

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 44.5  | 35.8  | 53.6  |
| 71      | 41.6  | 34.0  | 51.0  |

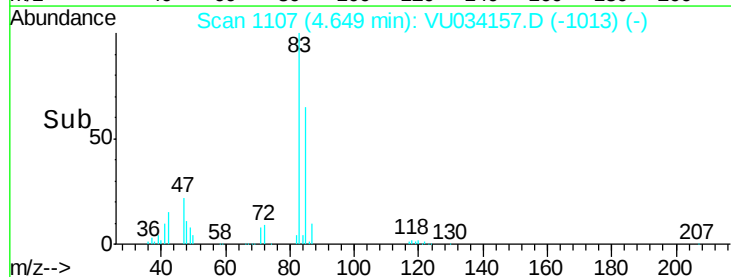
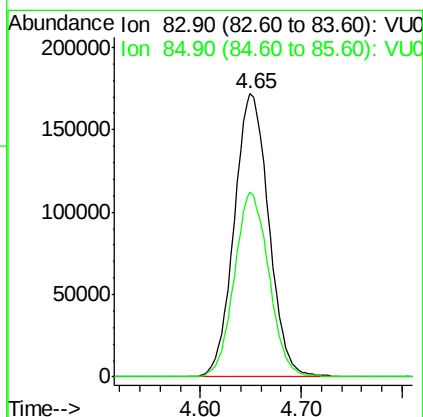
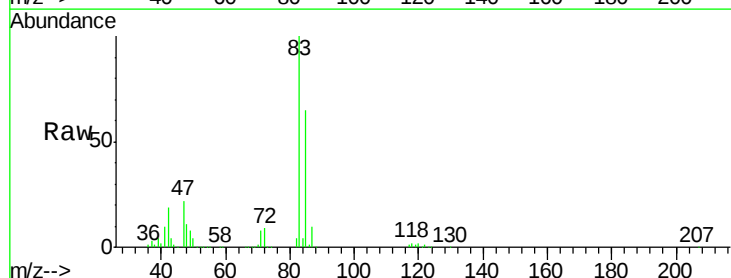
Manual Integrations  
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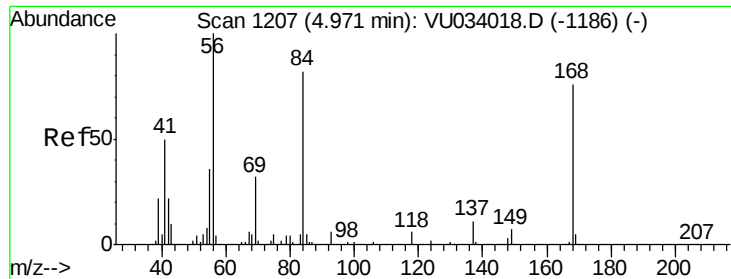
MMDadoda  
9/3/2019 11:43:39 AM



#30  
Chloroform  
Concen: 49.902 ug/l  
RT: 4.65 min Scan# 1107  
Delta R.T. 0.00 min  
Lab File: VU034157.D  
Acq: 01 Sep 2019 05:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.3  | 50.7  | 76.1  |





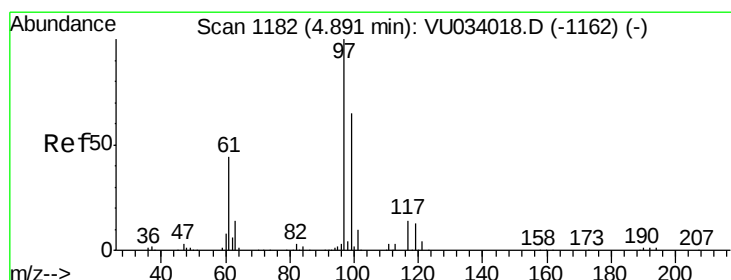
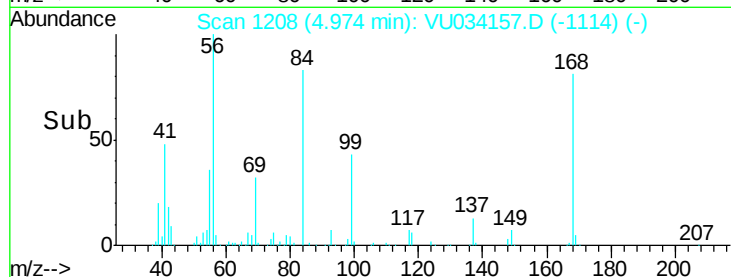
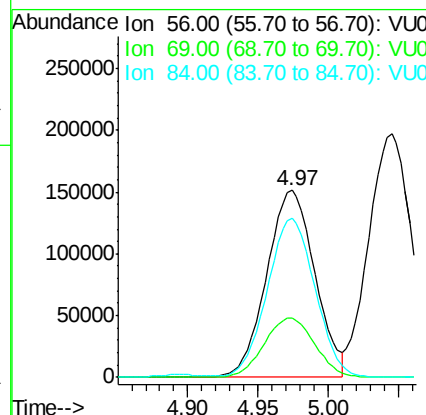
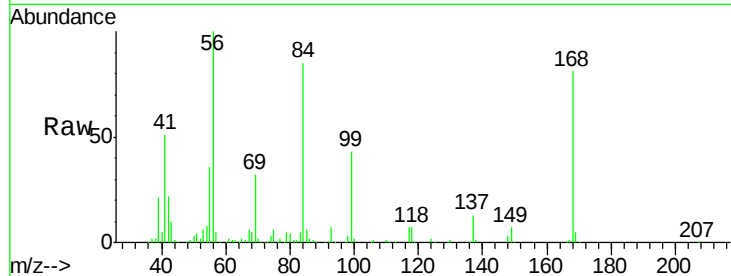
#31  
Cyclohexane  
Concen: 46.709 ug/l  
RT: 4.97 min Scan# 1208  
Delta R.T. 0.00 min  
Lab File: VU034157.D  
Acq: 01 Sep 2019 05:38

Instrument :  
MSVOA\_U  
ClientSampled :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 31.6  | 25.4  | 38.0  |
| 84      | 83.8  | 65.8  | 98.8  |

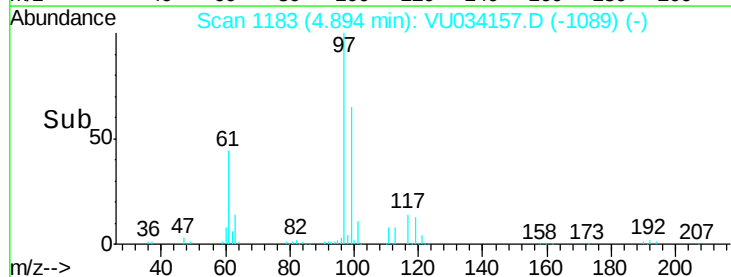
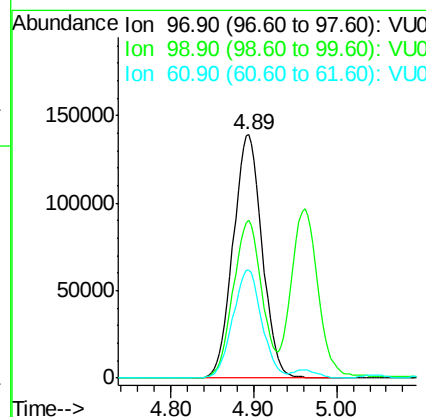
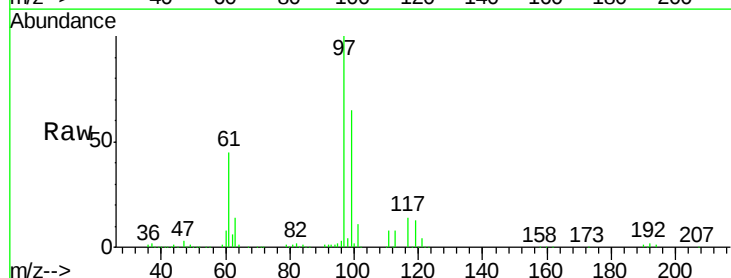
Manual Integrations  
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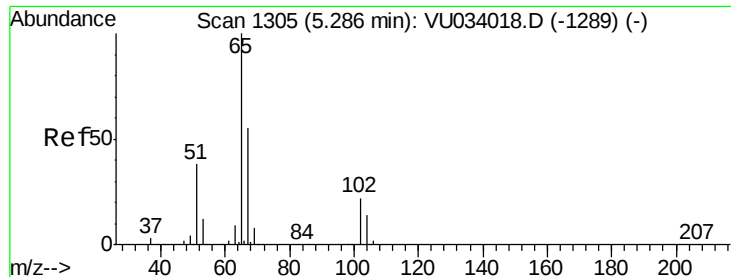
MMDadoda  
9/3/2019 11:43:39 AM



#32  
1,1,1-Trichloroethane  
Concen: 50.505 ug/l  
RT: 4.89 min Scan# 1183  
Delta R.T. 0.00 min  
Lab File: VU034157.D  
Acq: 01 Sep 2019 05:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.6  | 51.8  | 77.6  |
| 61      | 44.3  | 35.3  | 52.9  |





#33

1,2-Dichloroethane-d4

Concen: 49.697 ug/l

RT: 5.29 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VU034157.D

Acq: 01 Sep 2019 05:38

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 256862

Ion Ratio Lower Upper

65 100

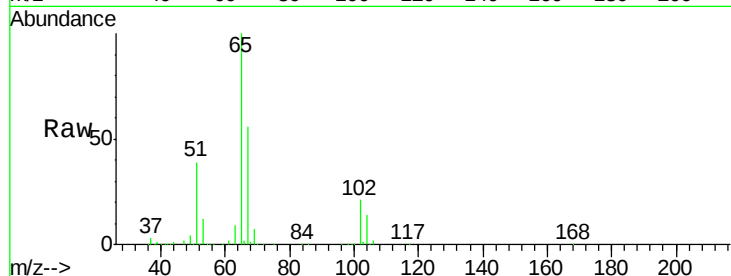
67 55.5 0.0 110.6

Manual Integrations

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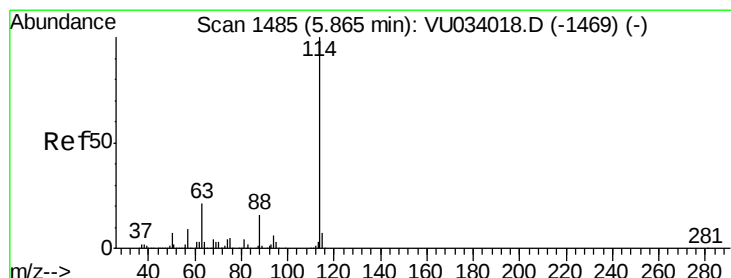
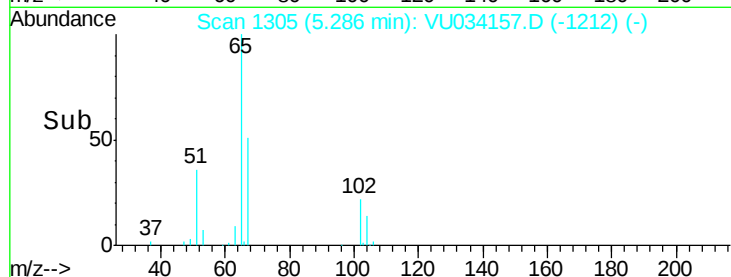
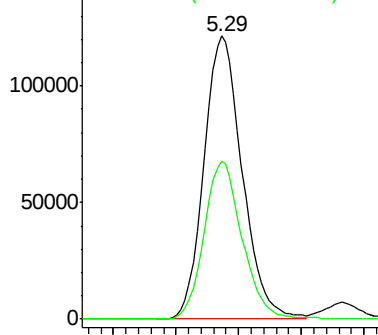
MMDadoda

9/3/2019 11:43:39 AM



Abundance Ion 64.90 (64.60 to 65.60): VU034157.D (-1212) (-)

Ion 66.90 (66.60 to 67.60): VU034157.D (-1212) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VU034157.D

Acq: 01 Sep 2019 05:38

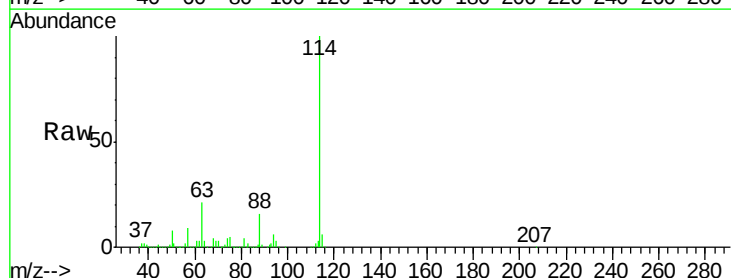
Tgt Ion: 114 Resp: 652121

Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.0

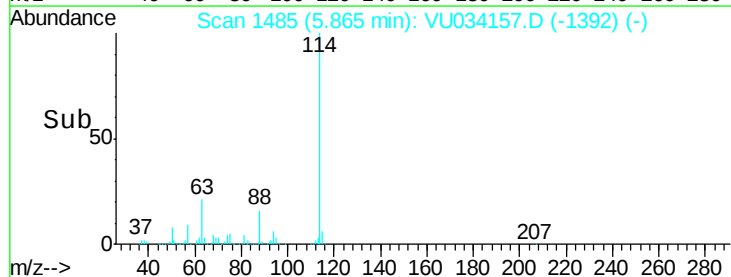
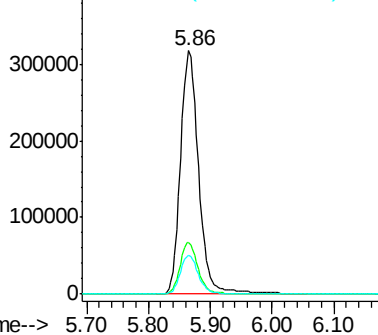
88 16.1 0.0 32.0

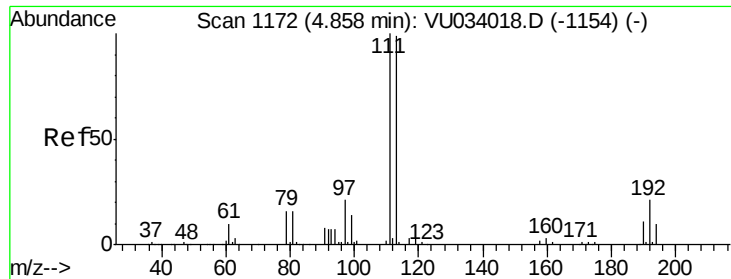


Abundance Ion 113.90 (113.60 to 114.60): VU034157.D (-1392) (-)

Ion 63.00 (62.70 to 63.70): VU034157.D (-1392) (-)

Ion 87.90 (87.60 to 88.60): VU034157.D (-1392) (-)





#35

Dibromofluoromethane

Concen: 47.492 ug/l

RT: 4.86 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU034157.D

Acq: 01 Sep 2019 05:38

Instrument :

MSVOA\_U

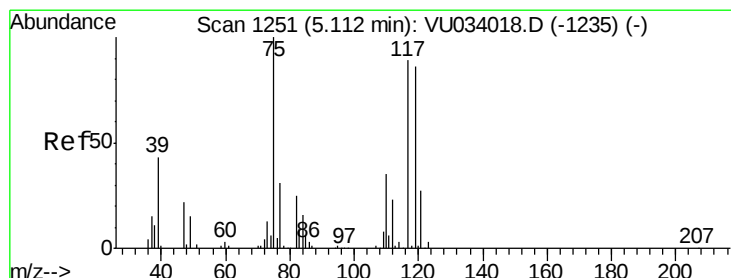
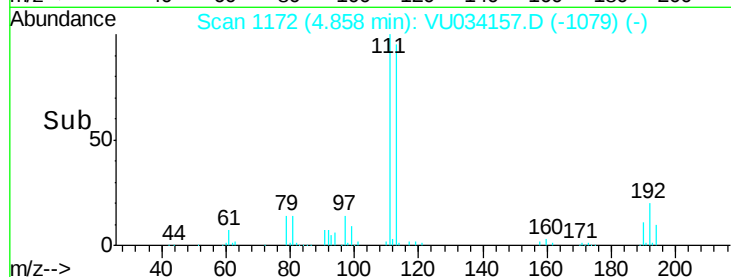
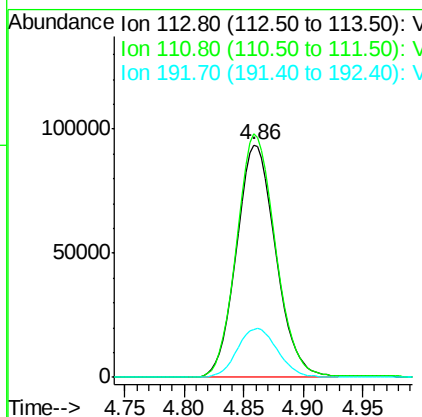
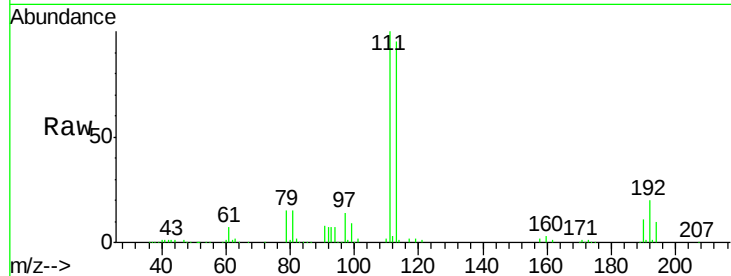
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 214811 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 103.6 | 81.7  | 122.5  |
| 192       | 21.8  | 17.1  | 25.7   |

Manual Integrations  
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#36

1,1-Dichloropropene

Concen: 49.008 ug/l

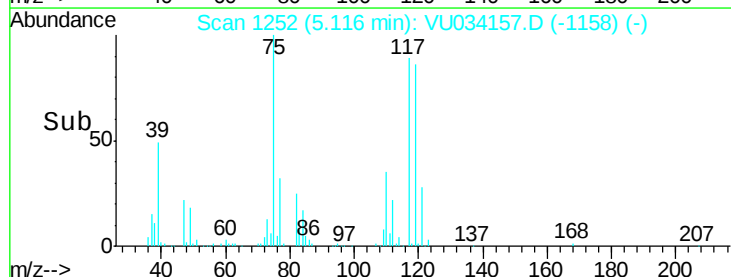
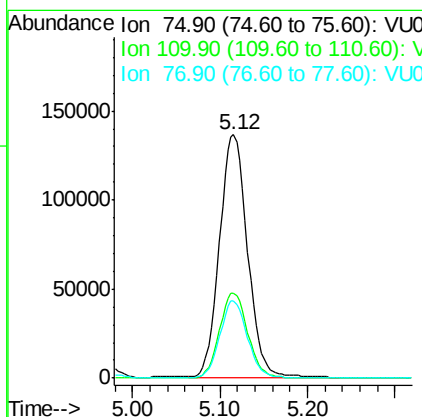
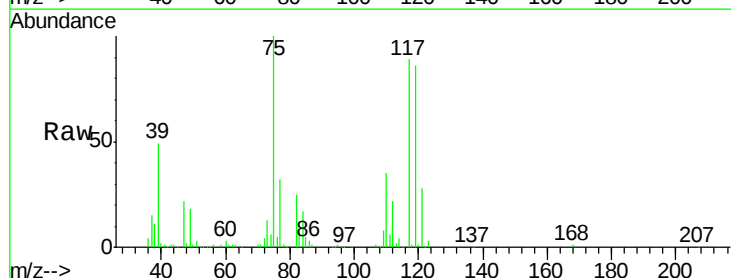
RT: 5.12 min Scan# 1252

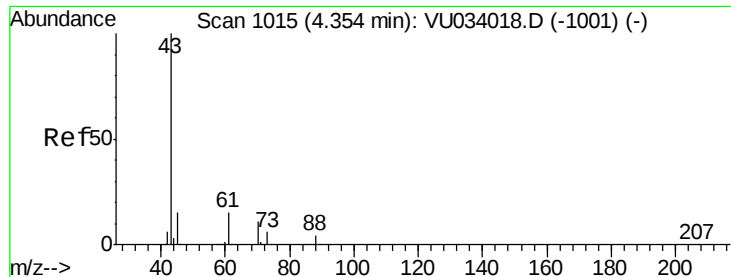
Delta R.T. 0.00 min

Lab File: VU034157.D

Acq: 01 Sep 2019 05:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 302294 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 110       | 35.5  | 17.8  | 53.5   |
| 77        | 31.2  | 25.0  | 37.4   |





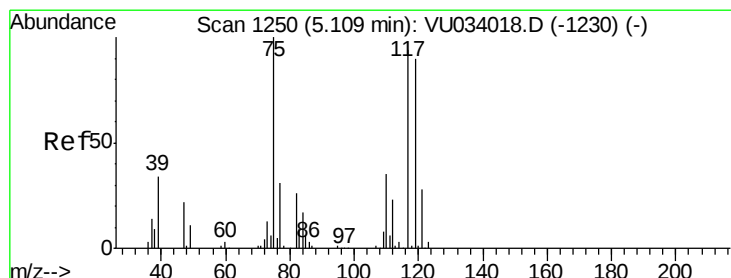
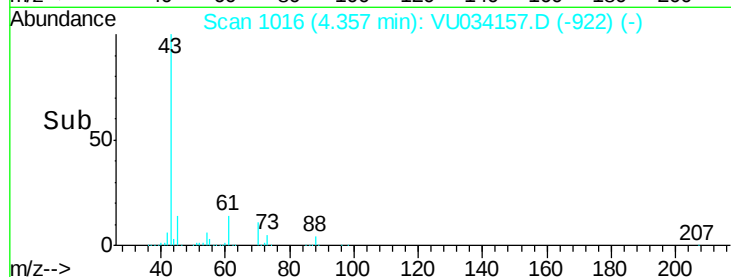
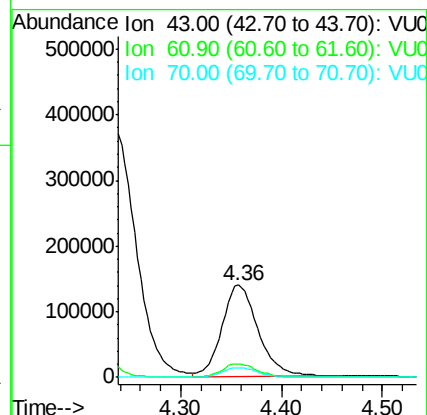
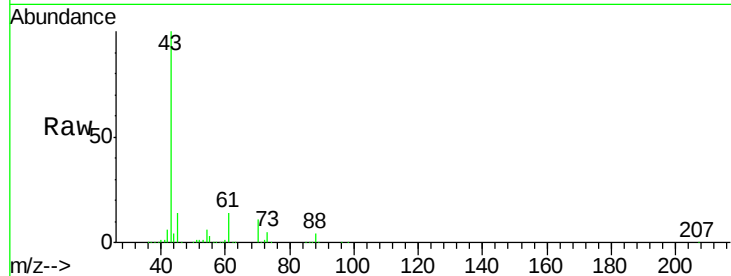
#37  
Ethyl Acetate  
Concen: 49.998 ug/l  
RT: 4.36 min Scan# 1016  
Delta R.T. 0.00 min  
Lab File: VU034157.D  
Acq: 01 Sep 2019 05:38

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.1  | 11.5  | 17.3  |
| 70      | 10.9  | 8.6   | 12.8  |

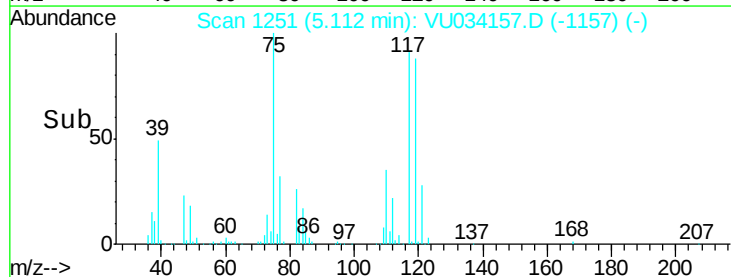
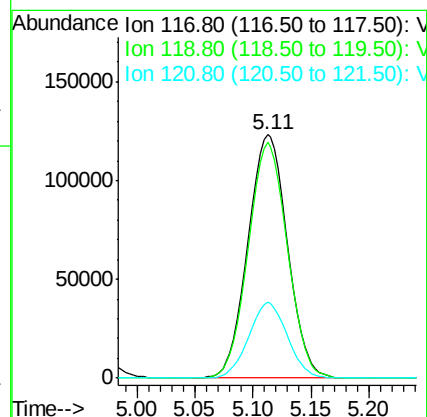
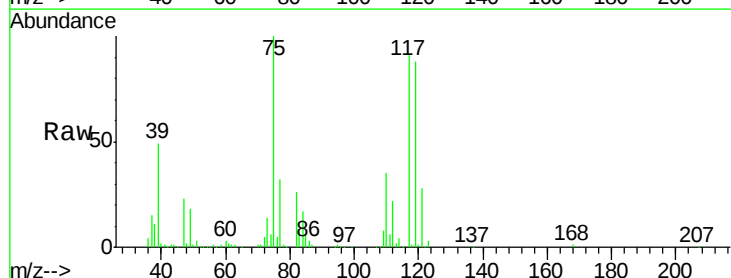
Manual Integrations  
APPROVED

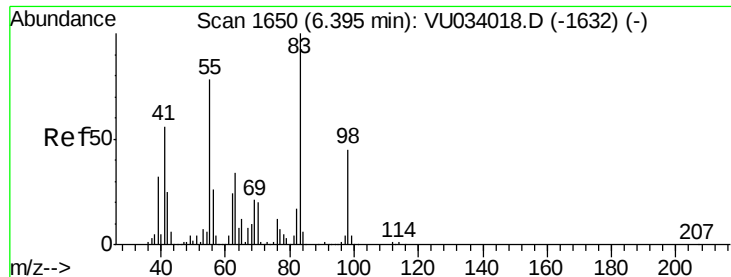
MMDadoda  
9/3/2019 11:43:39 AM



#38  
Carbon Tetrachloride  
Concen: 48.836 ug/l  
RT: 5.11 min Scan# 1251  
Delta R.T. 0.00 min  
Lab File: VU034157.D  
Acq: 01 Sep 2019 05:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.8  | 77.0  | 115.4 |
| 121     | 31.2  | 23.9  | 35.9  |





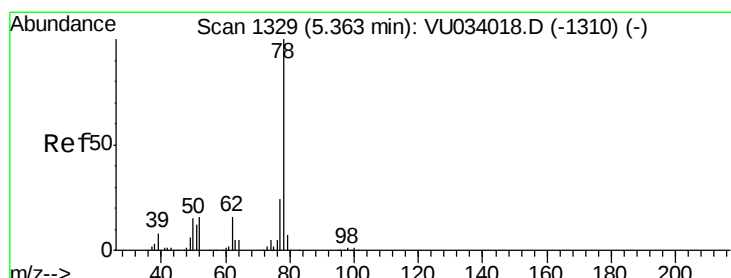
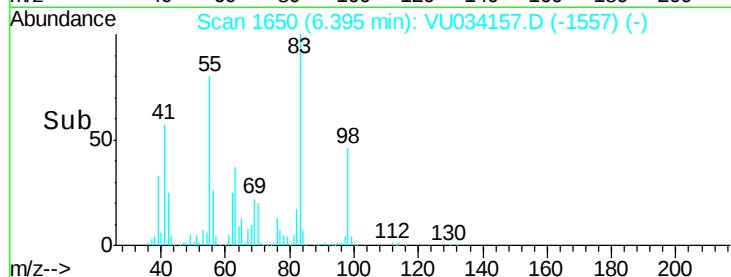
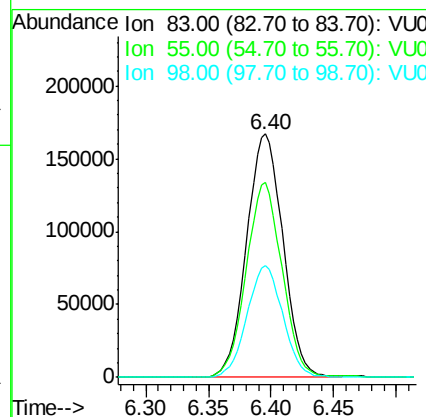
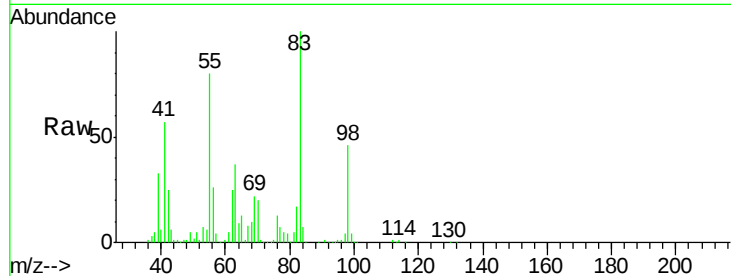
#39  
Methylvlcvclohexane  
Concen: 46.480 ug/l  
RT: 6.40 min Scan# 1650  
Delta R.T. 0.00 min  
Lab File: VU034157.D  
Acq: 01 Sep 2019 05:38

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 80.2  | 62.3  | 93.5  |
| 98      | 46.0  | 36.2  | 54.2  |

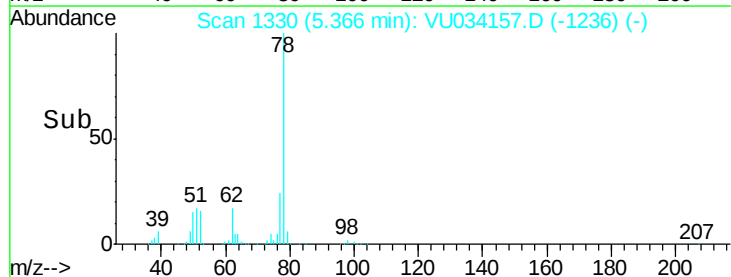
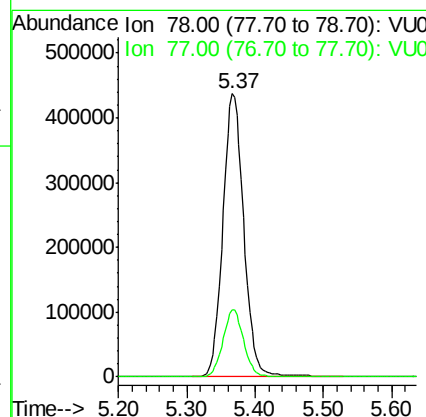
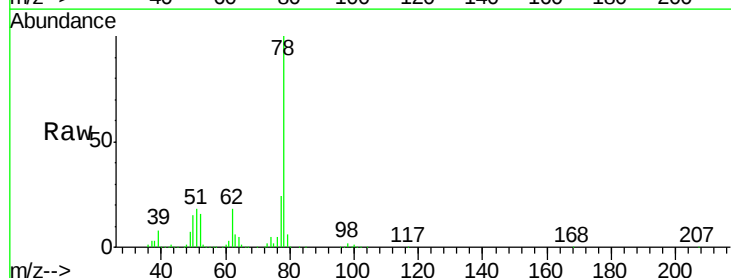
Manual Integrations  
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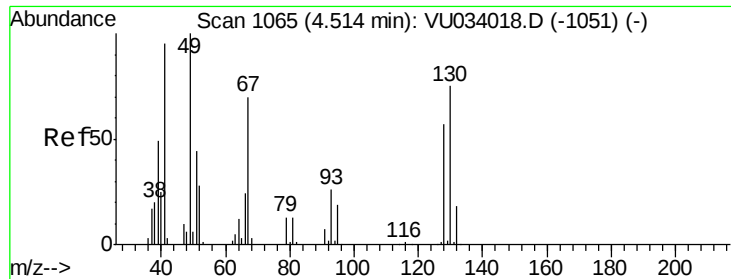
MMDadoda  
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#40  
Benzene  
Concen: 49.972 ug/l  
RT: 5.37 min Scan# 1330  
Delta R.T. 0.00 min  
Lab File: VU034157.D  
Acq: 01 Sep 2019 05:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.8  | 19.0  | 28.6  |





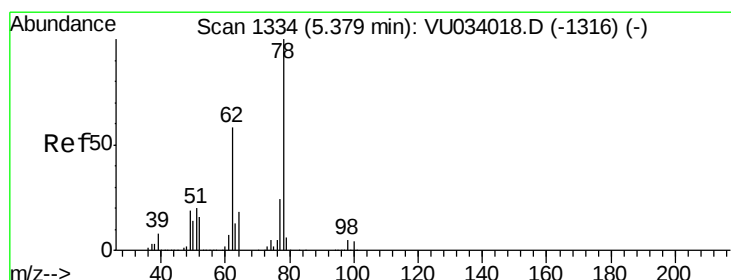
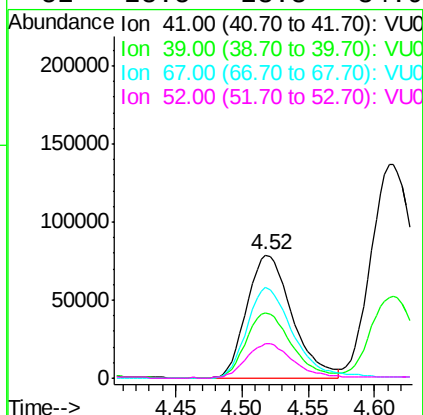
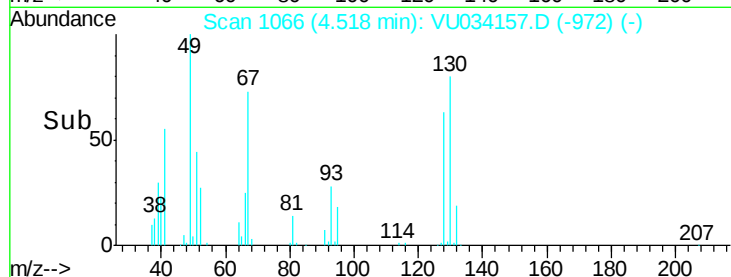
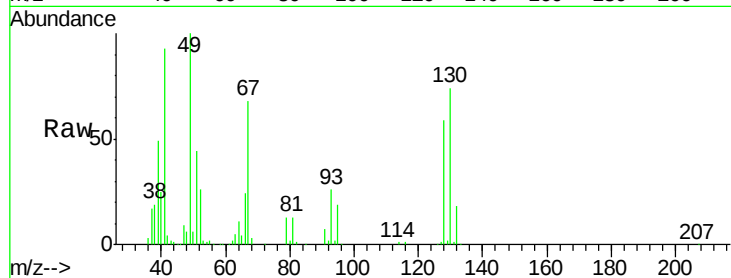
#41  
Methacrylonitrile  
Concen: 53.020 ug/l  
RT: 4.52 min Scan# 1066  
Delta R.T. 0.00 min  
Lab File: VU034157.D  
Acq: 01 Sep 2019 05:38

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 53.0 | 42.1  | 63.1  |       |
| 67      | 75.4 | 61.0  | 91.4  |       |
| 52      | 28.5 | 23.3  | 34.9  |       |

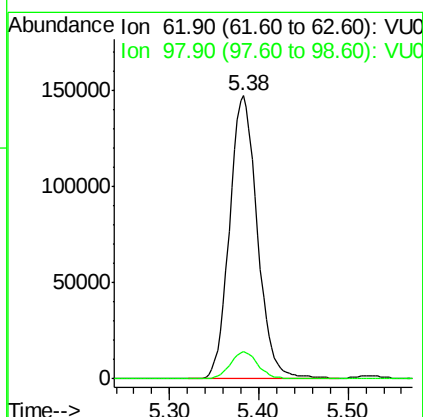
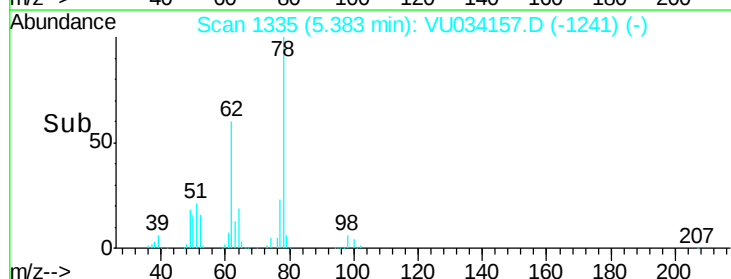
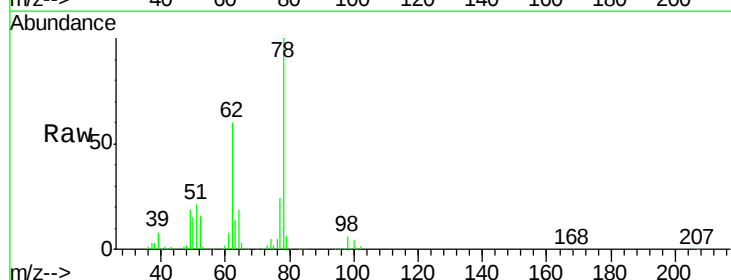
Manual Integrations  
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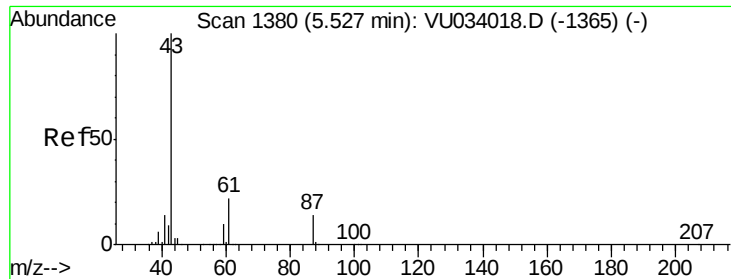
MMDadoda  
9/3/2019 11:43:39 AM



#42  
1,2-Dichloroethane  
Concen: 49.495 ug/l  
RT: 5.38 min Scan# 1335  
Delta R.T. 0.00 min  
Lab File: VU034157.D  
Acq: 01 Sep 2019 05:38

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 62      | 100 |       |       |       |
| 98      | 9.6 | 0.0   | 18.2  |       |





#43

Isopropyl Acetate

Concen: 50.321 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VU034157.D

Acq: 01 Sep 2019 05:38

Instrument :

MSVOA\_U

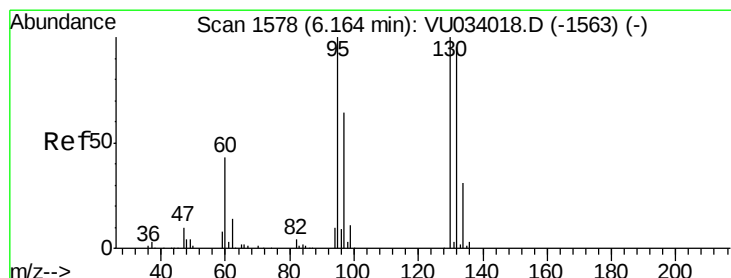
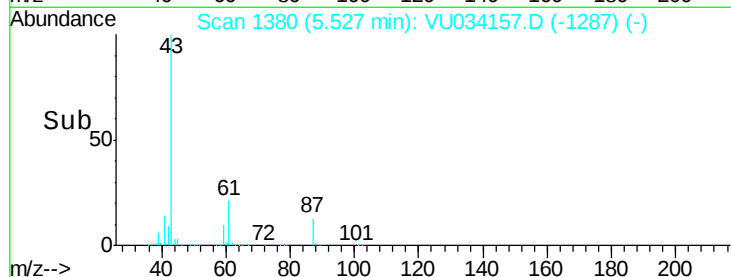
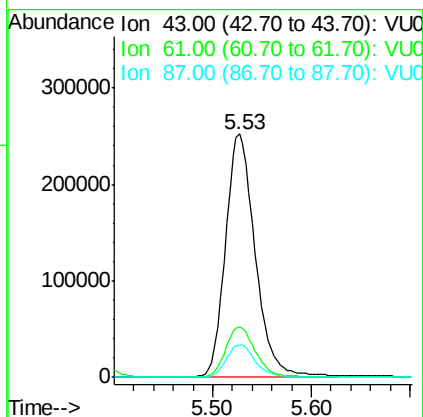
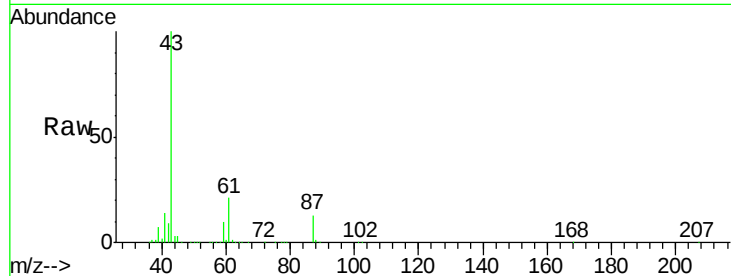
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 528794 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 21.1  | 17.2  | 25.8   |
| 87       | 13.2  | 10.8  | 16.2   |

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#44

Trichloroethene

Concen: 51.877 ug/l

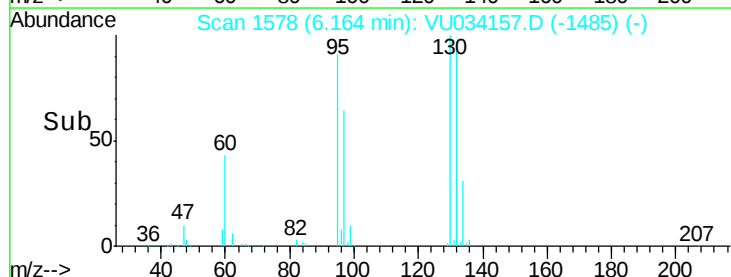
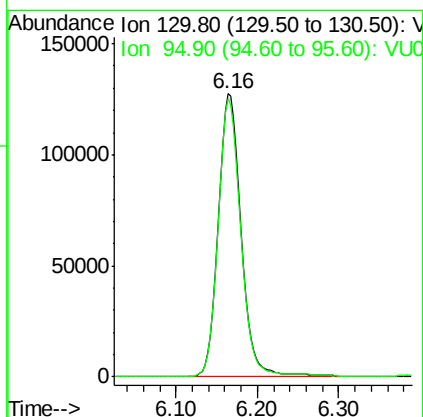
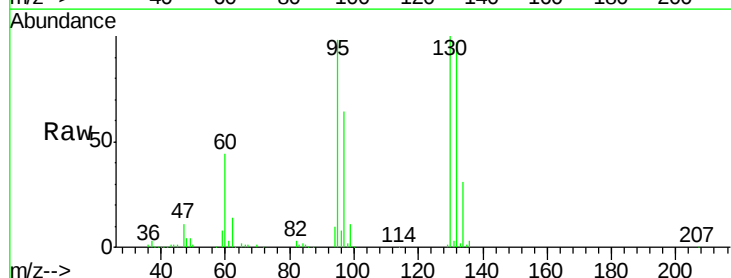
RT: 6.16 min Scan# 1578

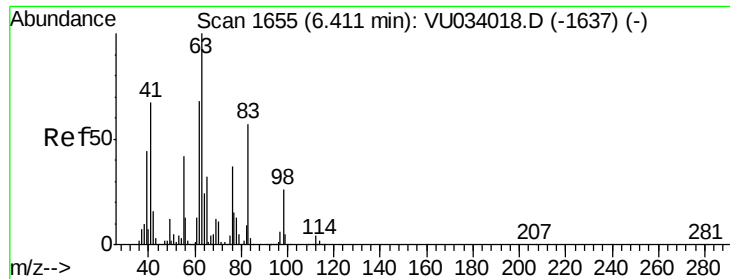
Delta R.T. 0.00 min

Lab File: VU034157.D

Acq: 01 Sep 2019 05:38

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 254233 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 98.3  | 0.0   | 199.6  |





#45

1,2-Dichloropropane

Concen: 50.977 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034157.D

Acq: 01 Sep 2019 05:38

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 261881

Ion Ratio Lower Upper

63 100

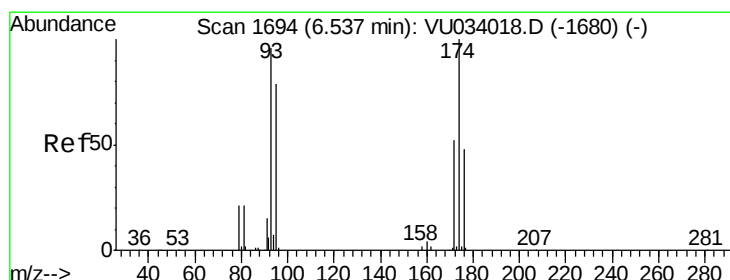
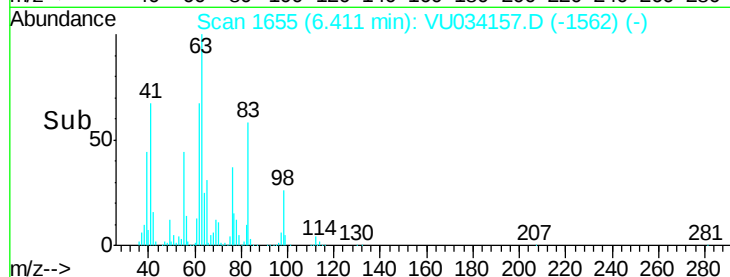
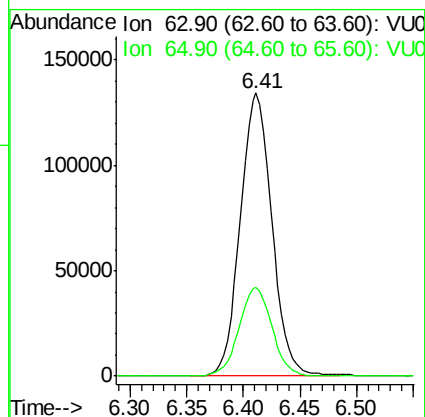
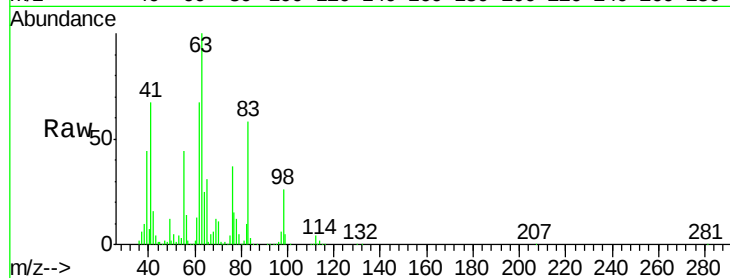
65 31.4 25.4 38.2

Manual Integrations

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#46

Dibromomethane

Concen: 50.228 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU034157.D

Acq: 01 Sep 2019 05:38

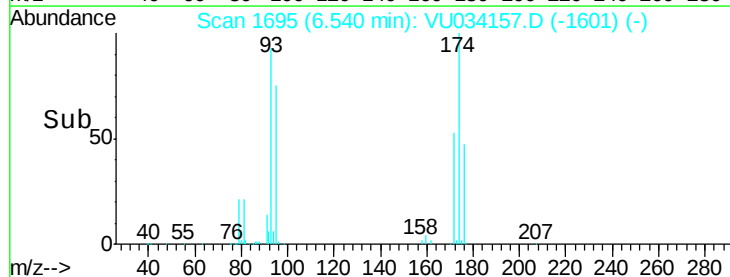
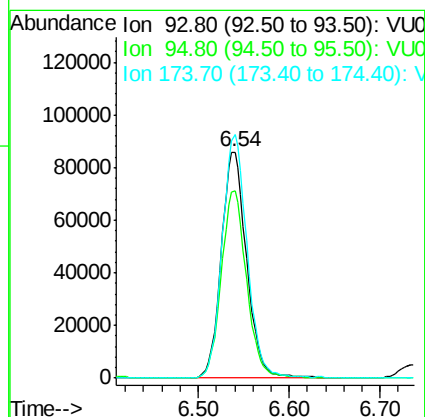
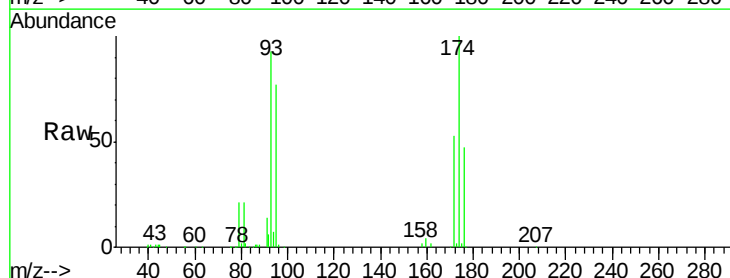
Tgt Ion: 93 Resp: 166241

Ion Ratio Lower Upper

93 100

95 82.1 66.7 100.1

174 105.9 84.9 127.3





#47

Bromodichloromethane

Concen: 50.602 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034157.D

Acq: 01 Sep 2019 05:38

Instrument :

MSVOA\_U

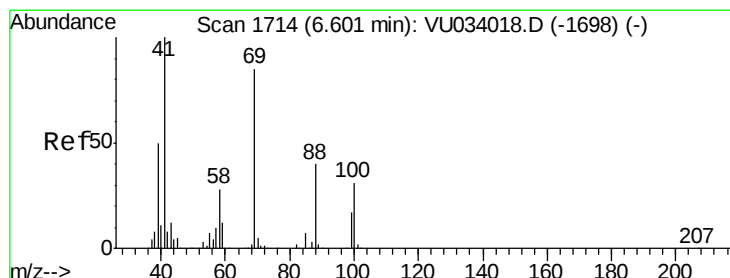
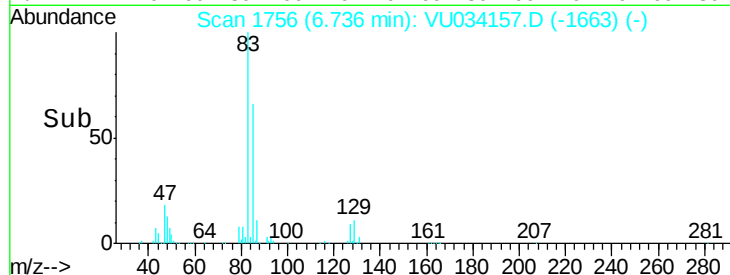
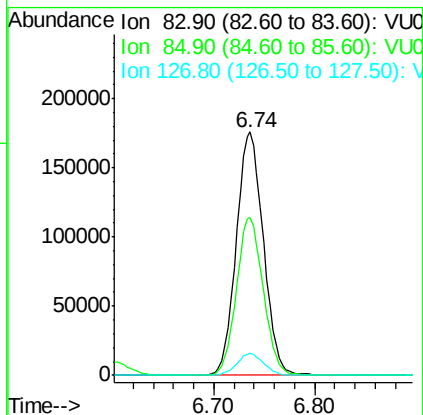
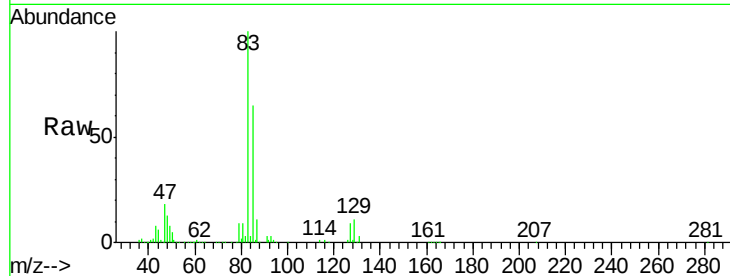
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 327667 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 64.8  | 51.2  | 76.8   |
| 127       | 9.0   | 7.0   | 10.6   |

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#48

Methyl methacrylate

Concen: 50.645 ug/l

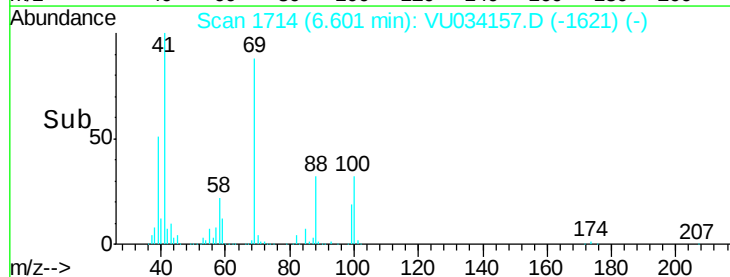
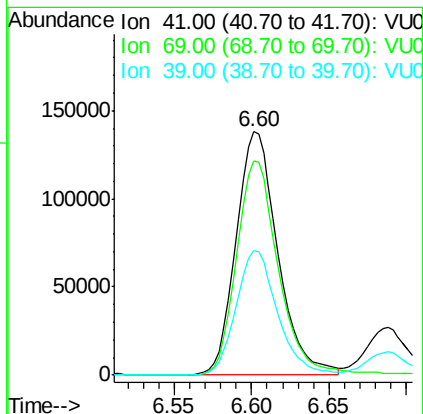
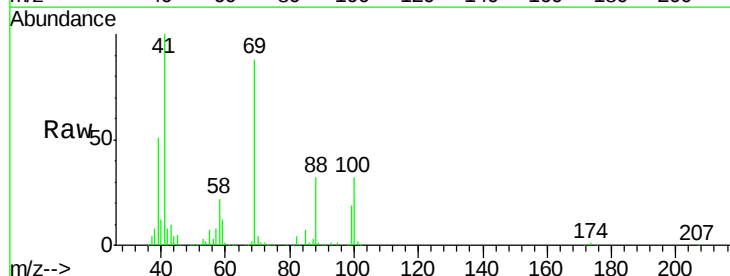
RT: 6.60 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VU034157.D

Acq: 01 Sep 2019 05:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 256814 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 89.6  | 69.5  | 104.3  |
| 39        | 50.8  | 40.3  | 60.5   |





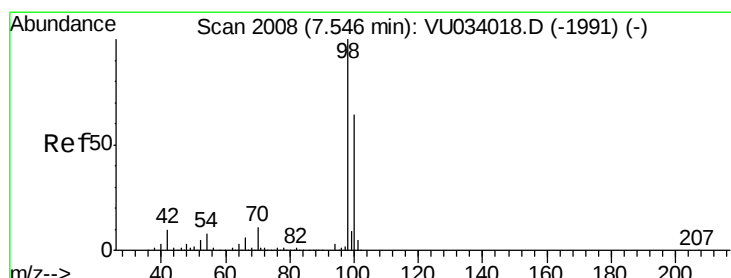
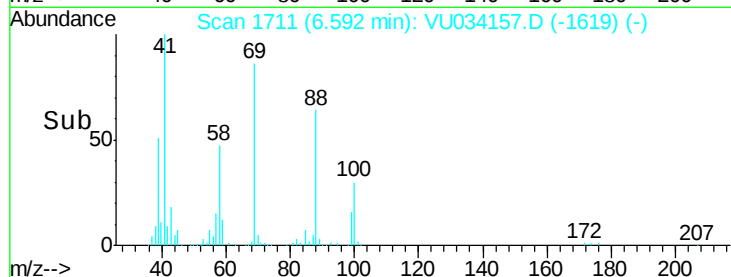
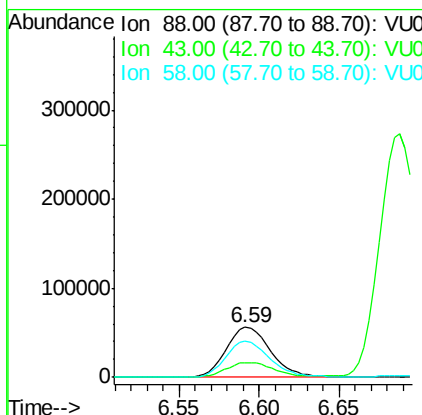
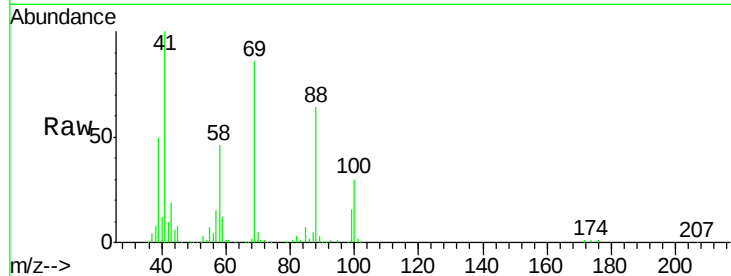
#49  
1,4-Dioxane  
Concen: 830.807 ug/l  
RT: 6.59 min Scan# 1711  
Delta R.T. -0.00 min  
Lab File: VU034157.D  
Acq: 01 Sep 2019 05:38

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 88      | 100   |      |       |       |
| 43      | 30.4  | 24.8 | 37.2  |       |
| 58      | 73.6  | 59.3 | 88.9  |       |

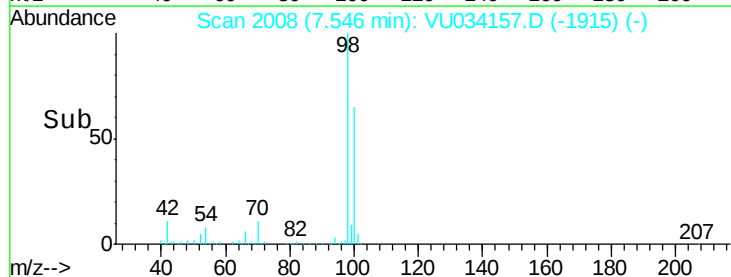
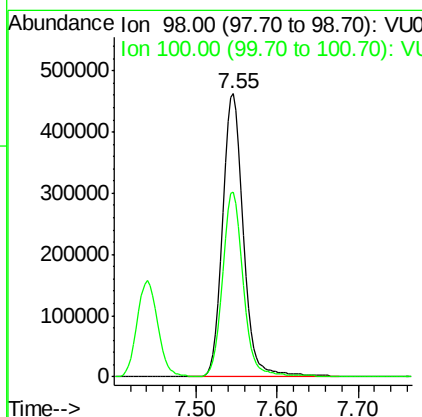
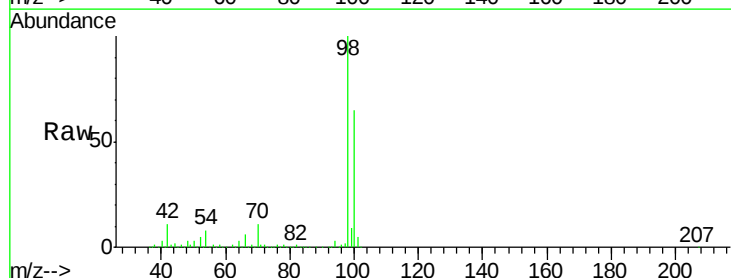
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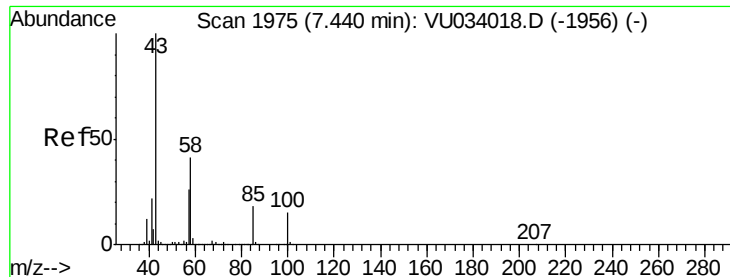
MMDadoda  
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#50  
Toluene-d8  
Concen: 49.715 ug/l  
RT: 7.55 min Scan# 2008  
Delta R.T. 0.00 min  
Lab File: VU034157.D  
Acq: 01 Sep 2019 05:38

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 98      | 100   |      |       |       |
| 100     | 64.6  | 50.3 | 75.5  |       |





#51

4-Methyl-2-Pentanone

Concen: 249.558 ug/l

RT: 7.44 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VU034157.D

Acq: 01 Sep 2019 05:38

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1811088

Ion Ratio Lower Upper

43 100

58 40.5

32.2

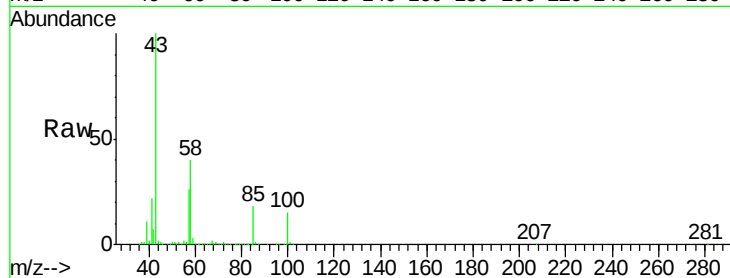
48.4

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Abundance Ion 43.00 (42.70 to 43.70): VU034157.D (-1882) (-)

Ion 58.00 (57.70 to 58.70): VU034157.D (-1882) (-)

1200000

1000000

800000

600000

400000

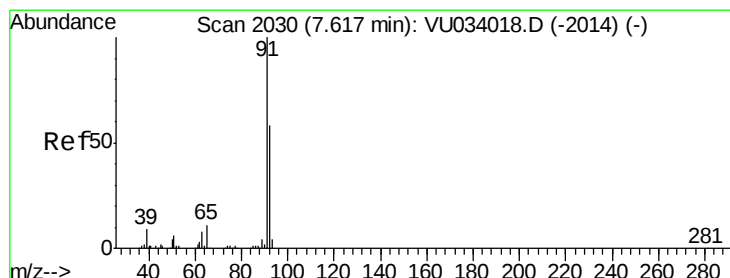
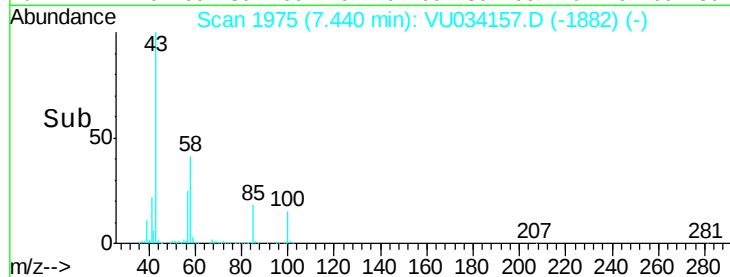
200000

0

7.40

7.50

Time-->



#52

Toluene

Concen: 51.472 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034157.D

Acq: 01 Sep 2019 05:38

Tgt Ion: 92 Resp: 591741

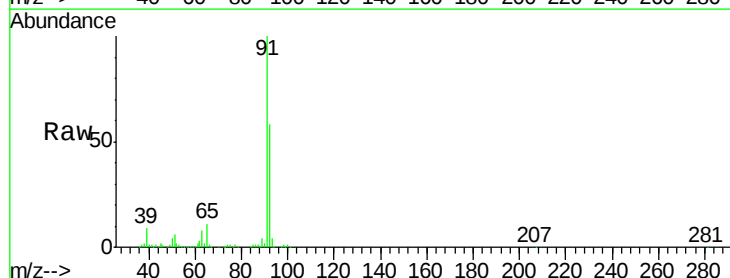
Ion Ratio Lower Upper

92 100

91 172.5

138.3

207.5



Abundance Ion 92.00 (91.70 to 92.70): VU034157.D (-1937) (-)

Ion 91.00 (90.70 to 91.70): VU034157.D (-1937) (-)

600000

500000

400000

300000

200000

100000

0

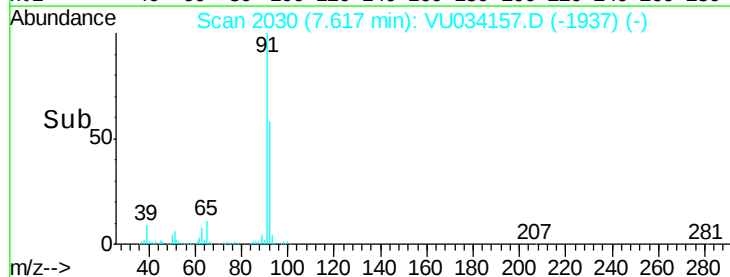
7.50

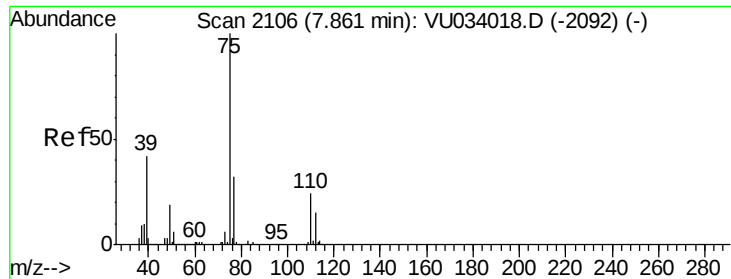
7.60

7.70

7.80

Time-->





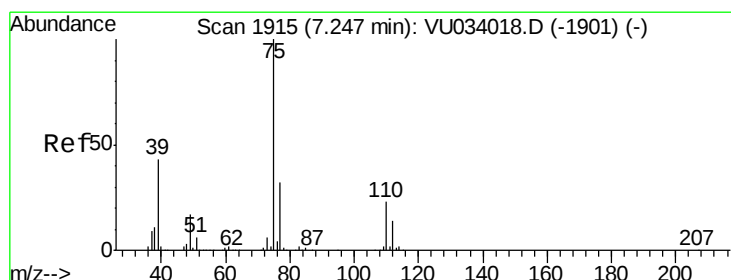
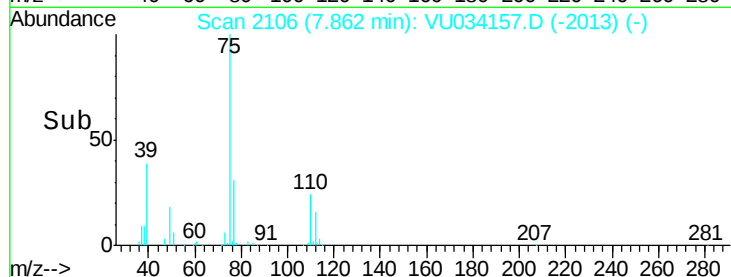
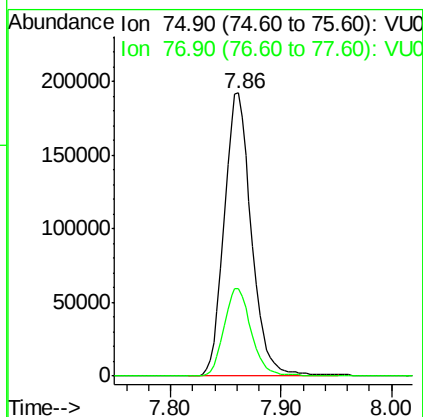
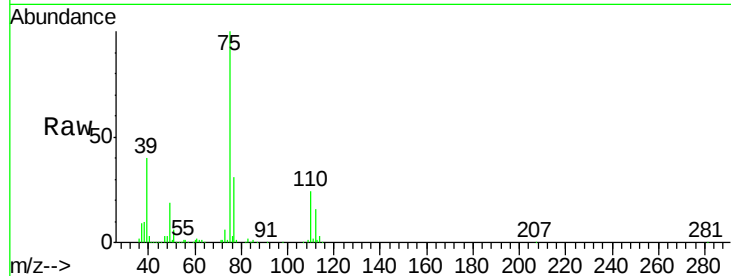
#53  
t-1,3-Dichloropropene  
Concen: 45.930 ug/l  
RT: 7.86 min Scan# 2106  
Delta R.T. 0.00 min  
Lab File: VU034157.D  
Acq: 01 Sep 2019 05:38

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion   | 75    | Resp  | 330008 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 30.7  | 25.4  | 38.0   |

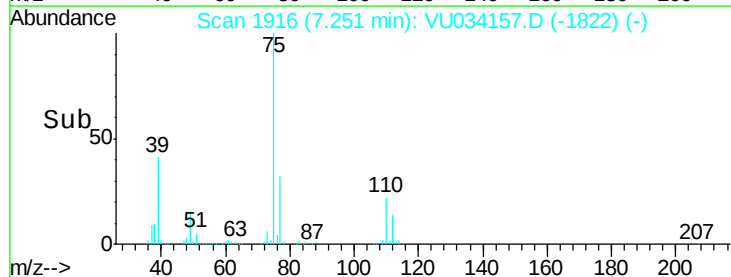
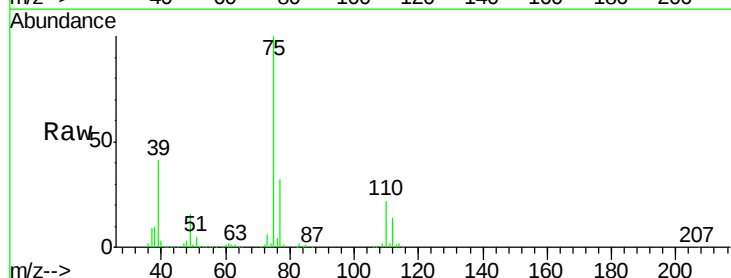
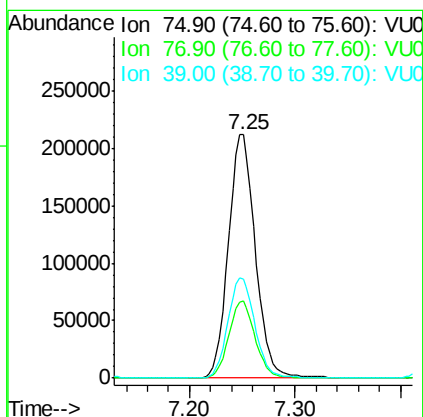
Manual Integrations  
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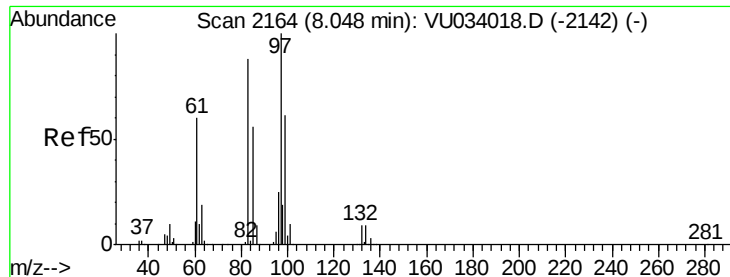
MMDadoda  
9/3/2019 11:43:39 AM



#54  
cis-1,3-Dichloropropene  
Concen: 47.769 ug/l  
RT: 7.25 min Scan# 1916  
Delta R.T. 0.00 min  
Lab File: VU034157.D  
Acq: 01 Sep 2019 05:38

| Tgt Ion   | 75    | Resp  | 374976 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 31.5  | 25.2  | 37.8   |
| 39        | 40.6  | 34.6  | 51.8   |





#55

1,1,2-Trichloroethane

Concen: 50.507 ug/l

RT: 8.05 min Scan# 2164

Delta R.T. 0.00 min

Lab File: VU034157.D

Acq: 01 Sep 2019 05:38

Instrument :

MSVOA\_U

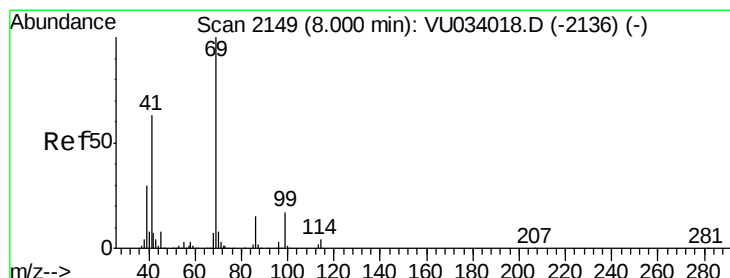
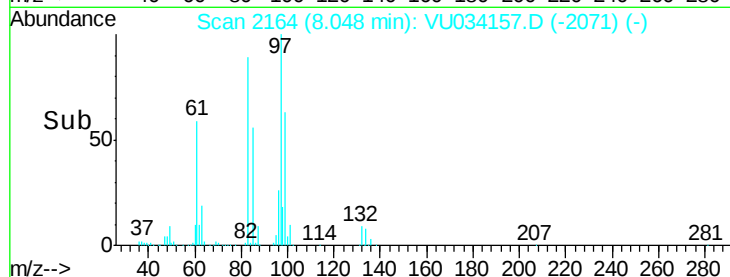
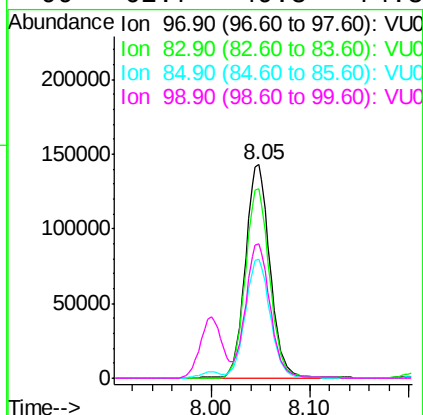
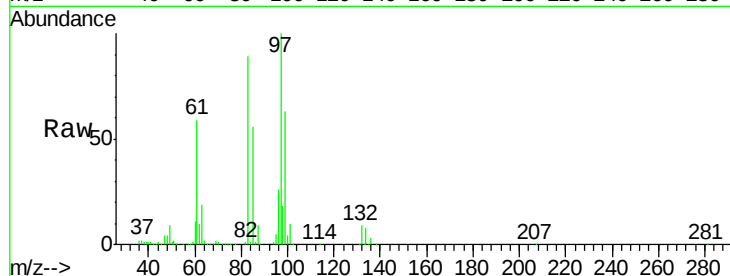
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 245608 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 88.5  | 70.1  | 105.1  |
| 85       | 55.6  | 45.0  | 67.4   |
| 99       | 62.7  | 49.8  | 74.8   |

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#56

Ethyl methacrylate

Concen: 45.592 ug/l

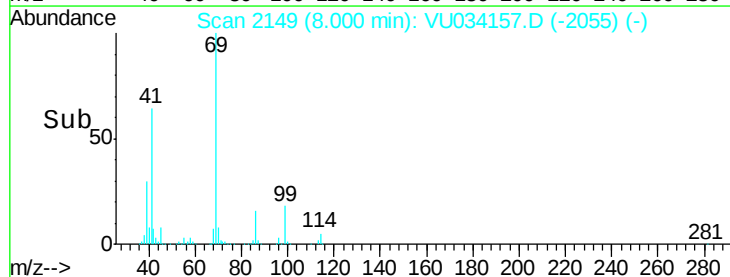
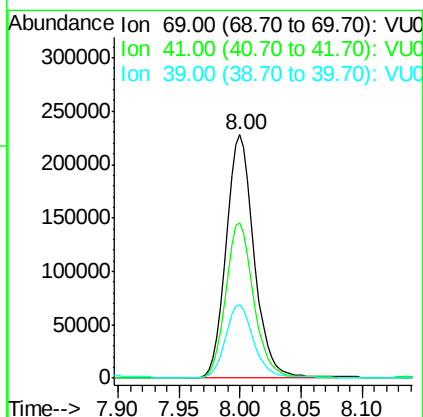
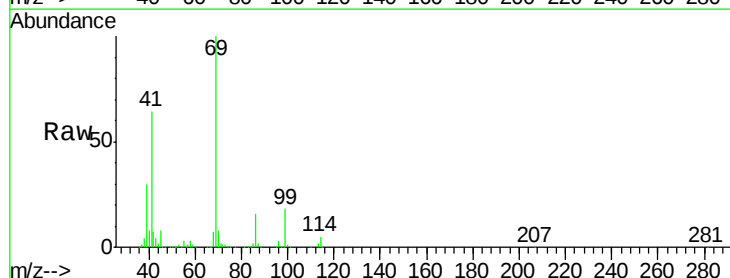
RT: 8.00 min Scan# 2149

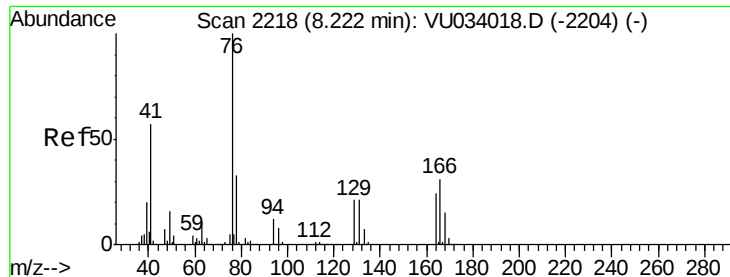
Delta R.T. 0.00 min

Lab File: VU034157.D

Acq: 01 Sep 2019 05:38

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 367045 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 64.0  | 50.7  | 76.1   |
| 39       | 30.3  | 24.2  | 36.2   |





#57

1,3-Dichloropropane

Concen: 50.366 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU034157.D

Acq: 01 Sep 2019 05:38

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 415861

Ion Ratio Lower Upper

76 100

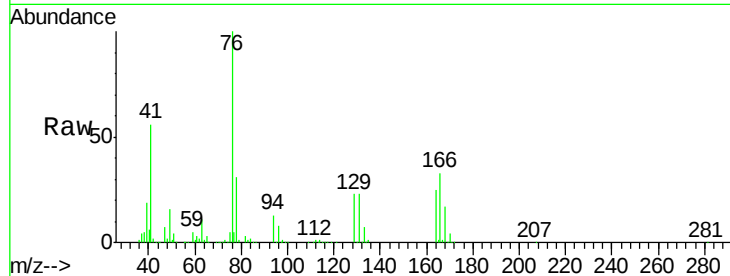
78 31.8 26.2 39.4

Manual Integrations

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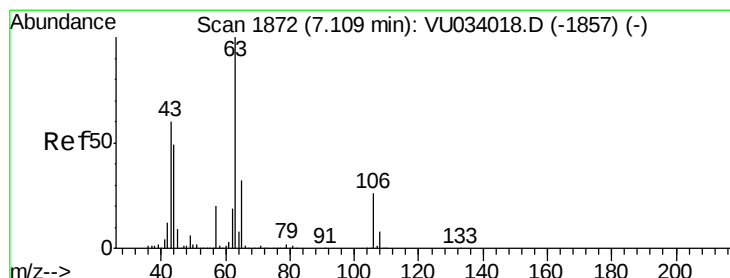
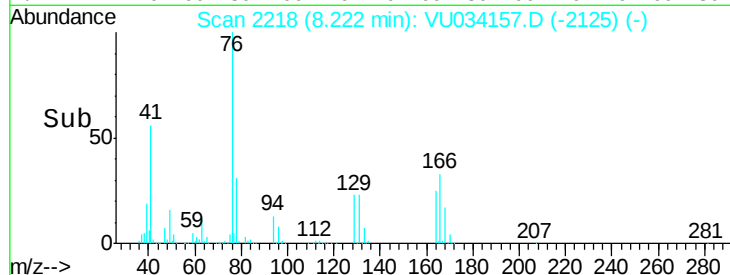
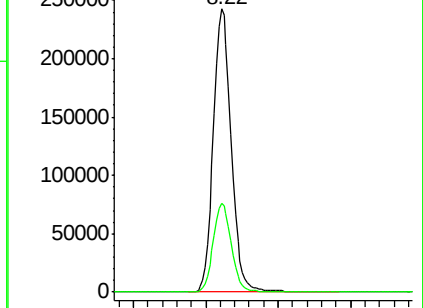
MMDadoda

9/3/2019 11:43:39 AM



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 230.690 ug/l

RT: 7.11 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VU034157.D

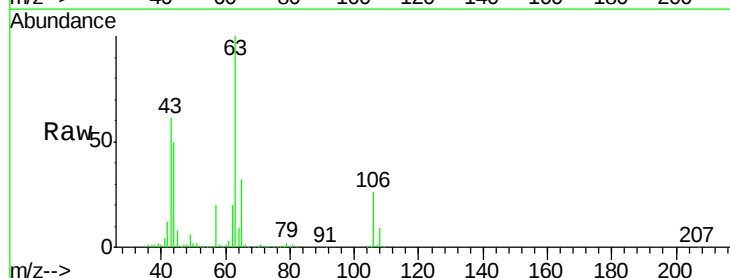
Acq: 01 Sep 2019 05:38

Tgt Ion: 63 Resp: 620617

Ion Ratio Lower Upper

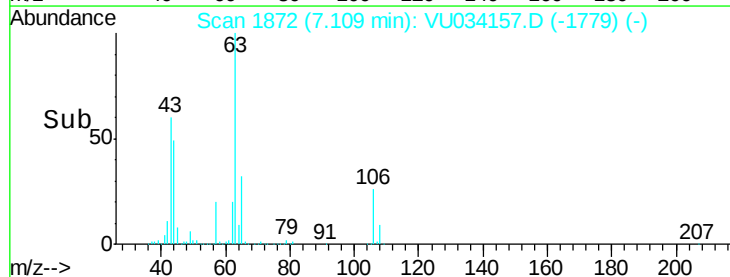
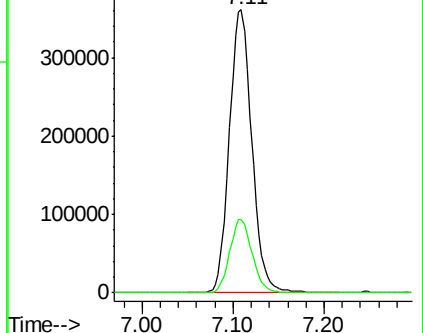
63 100

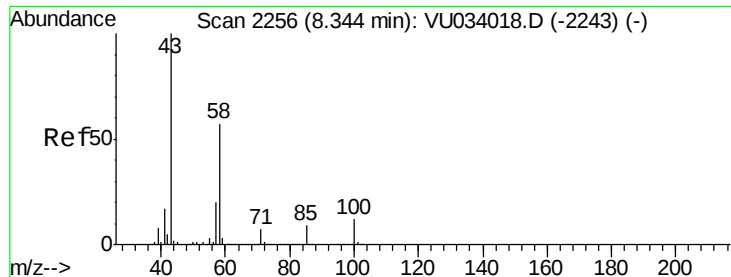
106 25.9 20.7 31.1



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V





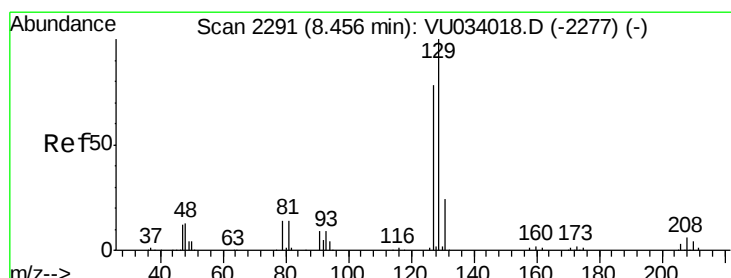
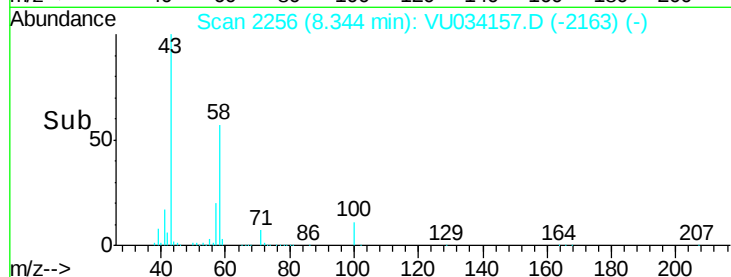
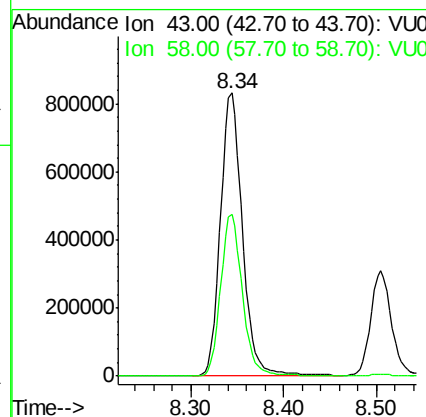
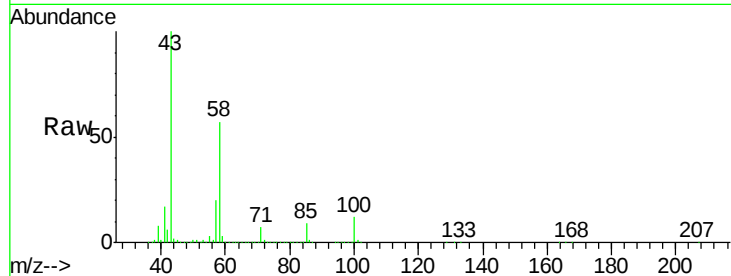
#59  
2-Hexanone  
Concen: 248.732 ug/l  
RT: 8.34 min Scan# 2256  
Delta R.T. 0.00 min  
Lab File: VU034157.D  
Acq: 01 Sep 2019 05:38

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 1362685  
Ion Ratio Lower Upper  
43 100  
58 57.1 28.4 85.3

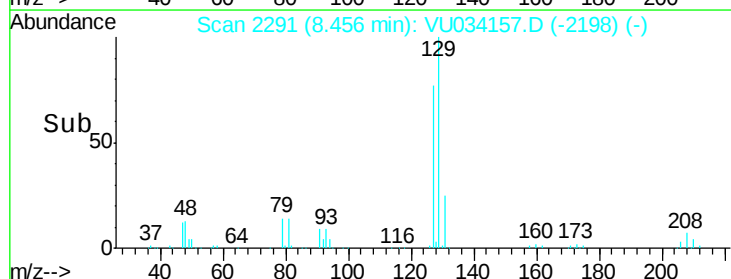
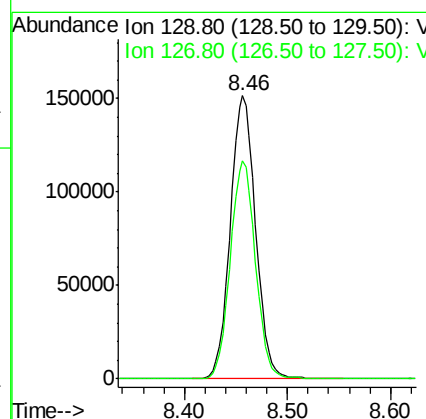
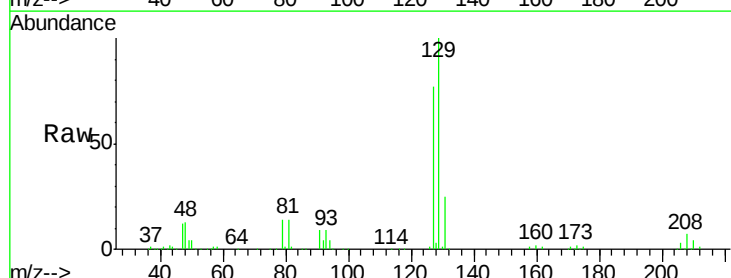
Manual Integrations  
APPROVED

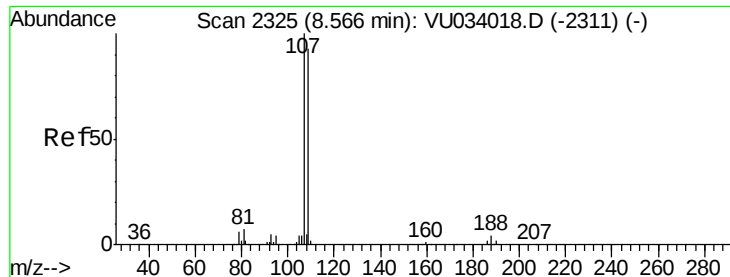
MMDadoda  
9/3/2019 11:43:39 AM



#60  
Dibromochloromethane  
Concen: 49.688 ug/l  
RT: 8.46 min Scan# 2291  
Delta R.T. 0.00 min  
Lab File: VU034157.D  
Acq: 01 Sep 2019 05:38

Tgt Ion: 129 Resp: 259370  
Ion Ratio Lower Upper  
129 100  
127 76.6 39.0 116.9





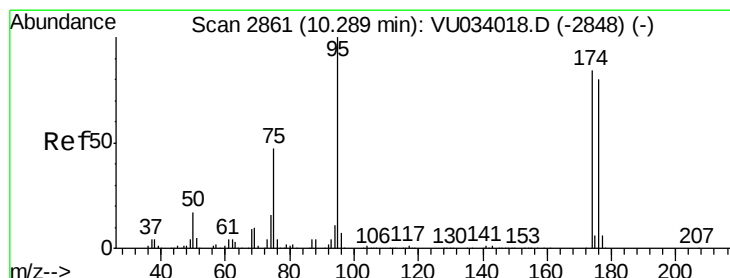
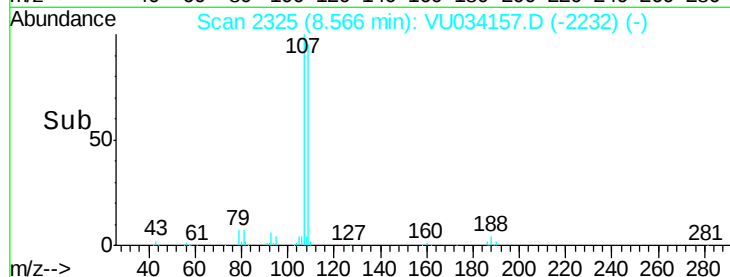
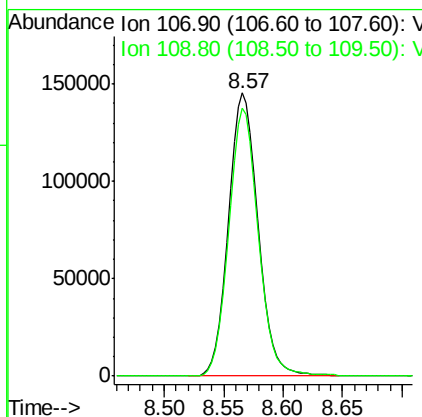
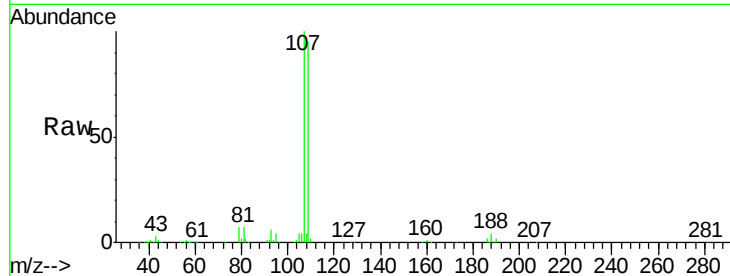
#61  
 1,2-Dibromoethane  
 Concen: 48.886 ug/l  
 RT: 8.57 min Scan# 2325  
 Delta R.T. 0.00 min  
 Lab File: VU034157.D  
 Acq: 01 Sep 2019 05:38

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 94.6  | 75.2  | 112.8 |

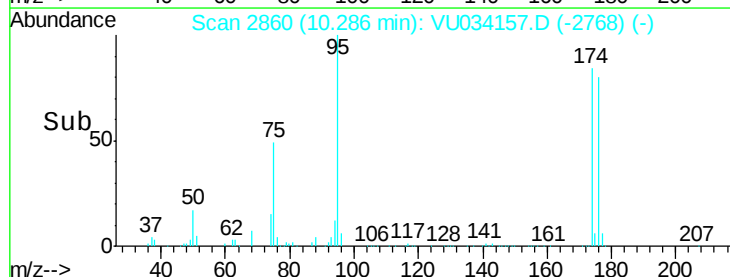
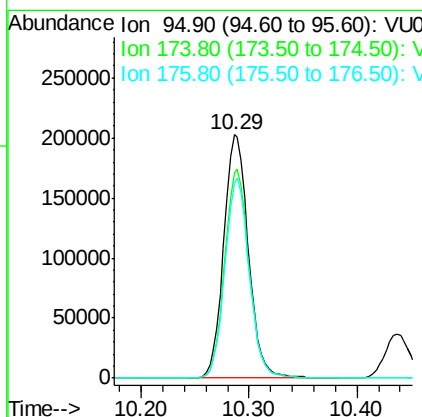
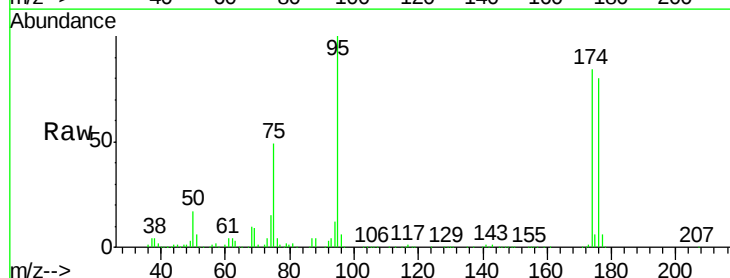
Manual Integrations  
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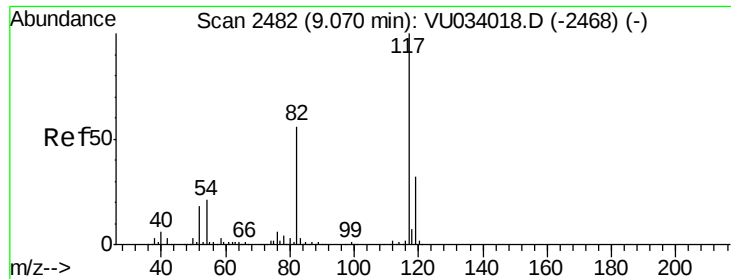
MMDadoda  
 9/3/2019 11:43:39 AM



#62  
 4-Bromofluorobenzene  
 Concen: 48.988 ug/l  
 RT: 10.29 min Scan# 2860  
 Delta R.T. -0.00 min  
 Lab File: VU034157.D  
 Acq: 01 Sep 2019 05:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 85.1  | 0.0   | 168.8 |
| 176     | 80.9  | 0.0   | 161.8 |





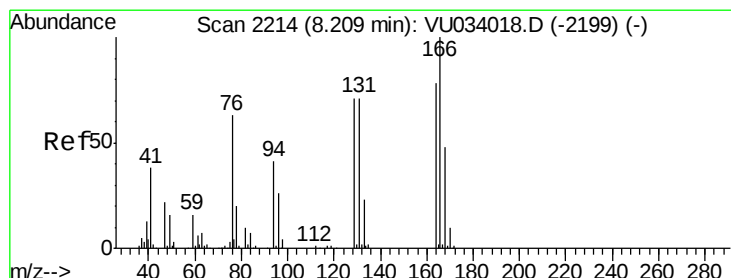
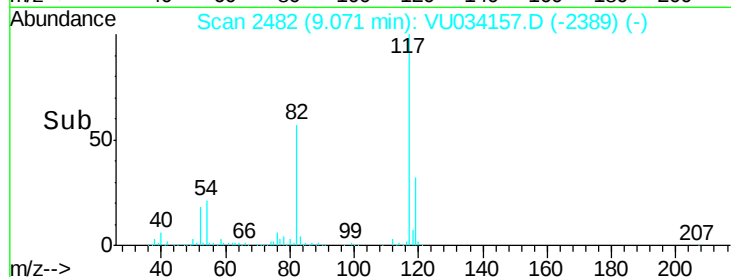
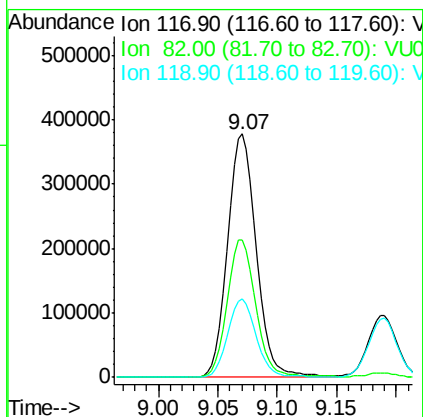
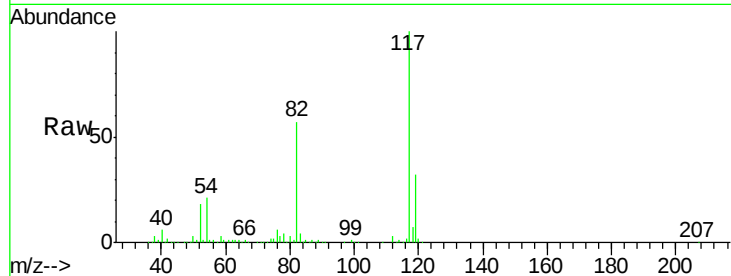
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.07 min Scan# 2482  
Delta R.T. 0.00 min  
Lab File: VU034157.D  
Acq: 01 Sep 2019 05:38

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 56.6  | 45.1  | 67.7  |
| 119     | 32.2  | 25.4  | 38.0  |

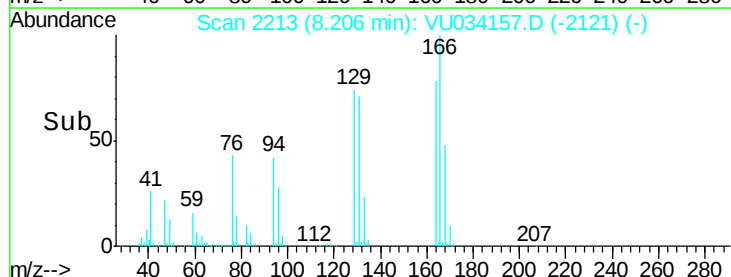
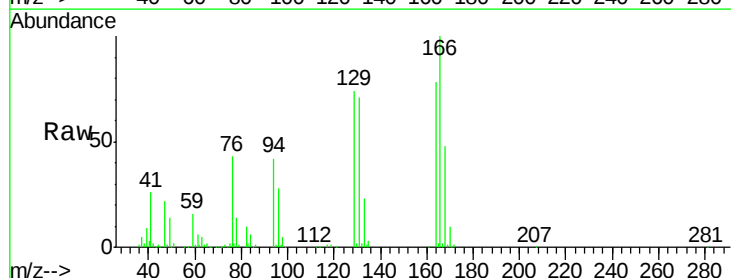
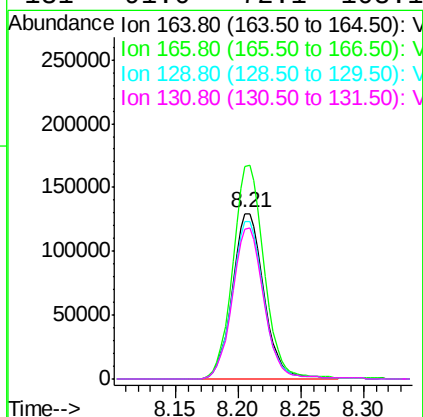
Manual Integrations  
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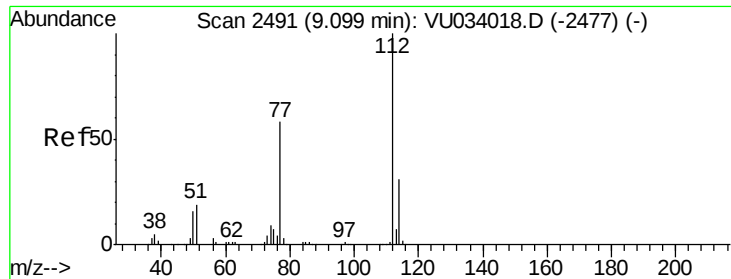
MMDadoda  
9/3/2019 11:43:39 AM



#64  
Tetrachloroethene  
Concen: 53.087 ug/l  
RT: 8.21 min Scan# 2213  
Delta R.T. -0.00 min  
Lab File: VU034157.D  
Acq: 01 Sep 2019 05:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 128.4 | 102.2 | 153.2 |
| 129     | 95.2  | 72.4  | 108.6 |
| 131     | 91.0  | 72.1  | 108.1 |





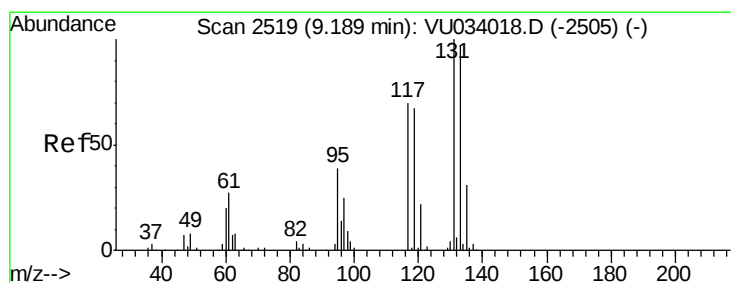
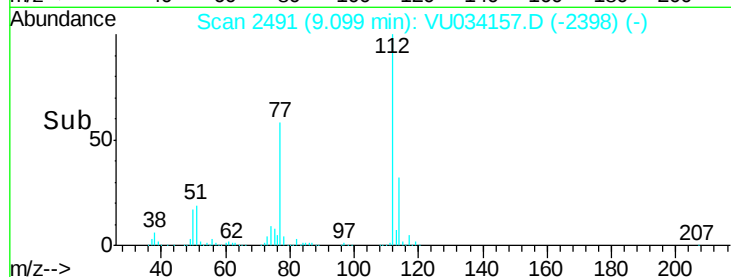
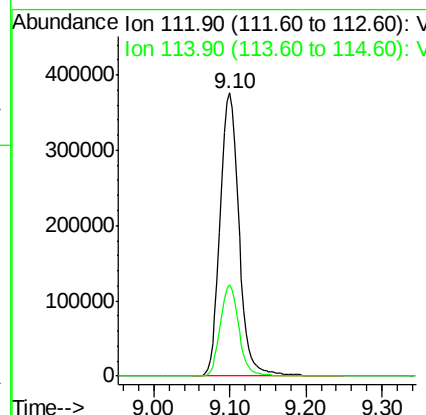
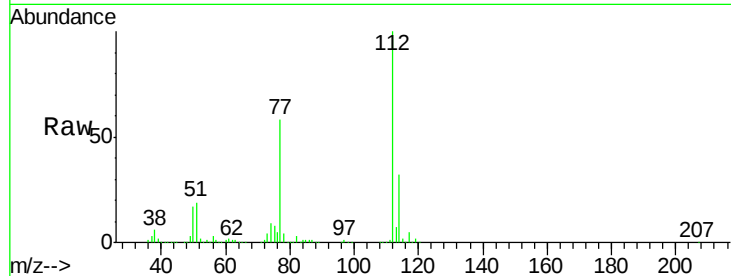
#65  
Chlorobenzene  
Concen: 49.557 ug/l  
RT: 9.10 min Scan# 2491  
Delta R.T. 0.00 min  
Lab File: VU034157.D  
Acq: 01 Sep 2019 05:38

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 32.1  | 25.0  | 37.4  |

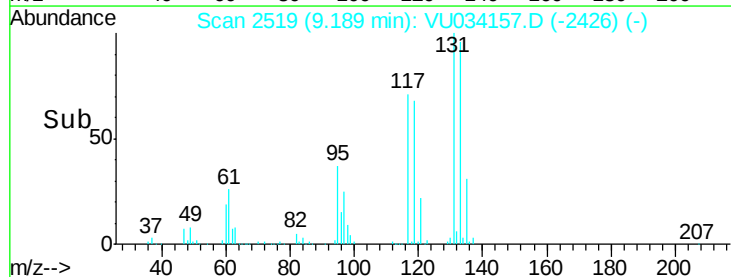
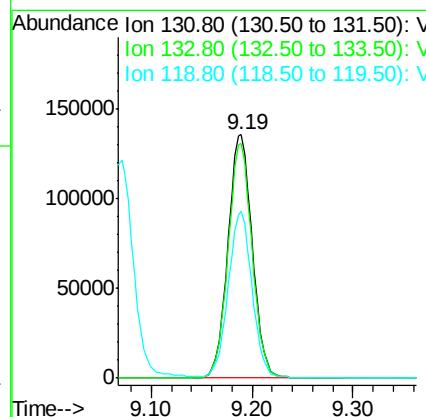
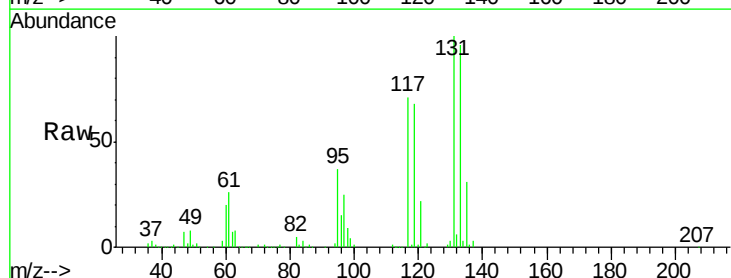
Manual Integrations  
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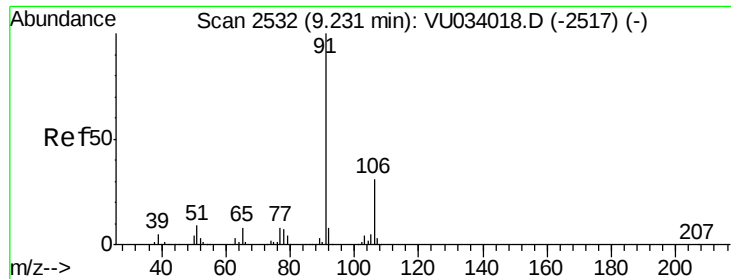
MMDadoda  
9/3/2019 11:43:39 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 48.297 ug/l  
RT: 9.19 min Scan# 2519  
Delta R.T. 0.00 min  
Lab File: VU034157.D  
Acq: 01 Sep 2019 05:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 95.0  | 48.4  | 145.2 |
| 119     | 67.4  | 33.6  | 100.6 |





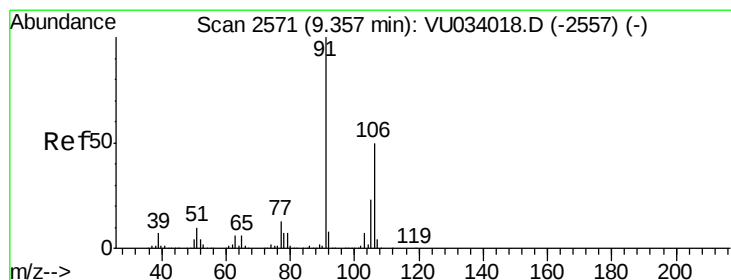
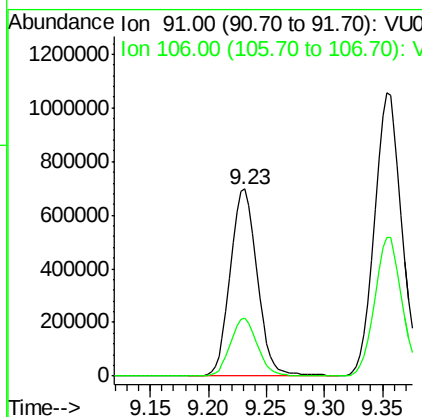
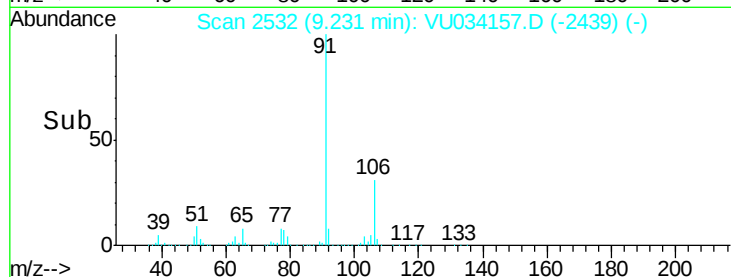
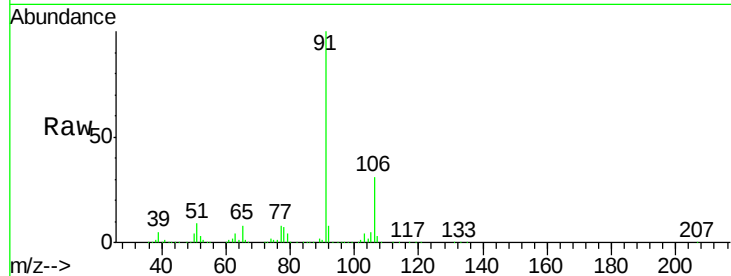
#67  
Ethyl Benzene  
Concen: 50.790 ug/l  
RT: 9.23 min Scan# 2532  
Delta R.T. 0.00 min  
Lab File: VU034157.D  
Acq: 01 Sep 2019 05:38

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 91 Resp: 1123358  
Ion Ratio Lower Upper  
91 100  
106 30.8 24.9 37.3

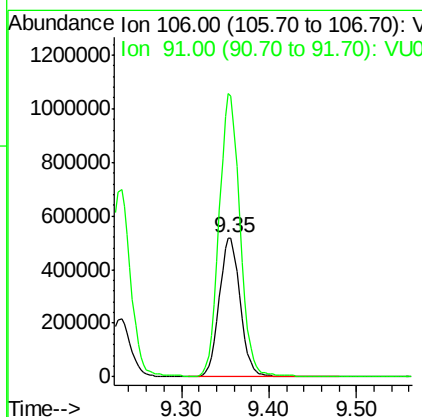
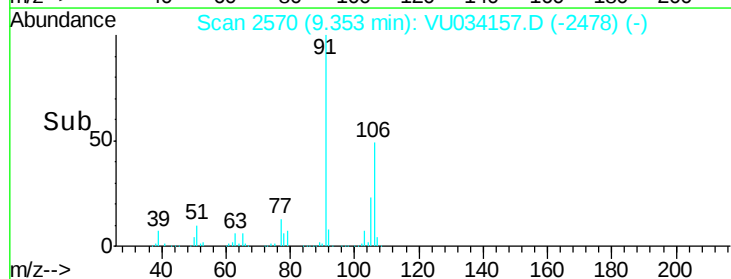
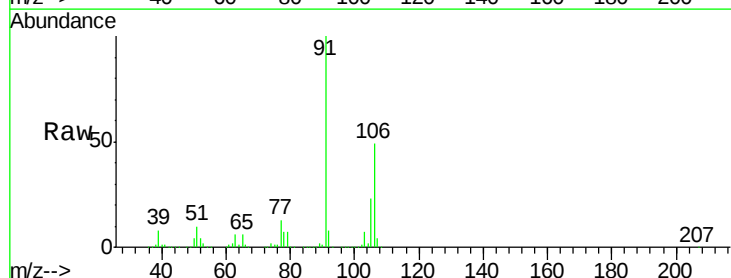
Manual Integrations  
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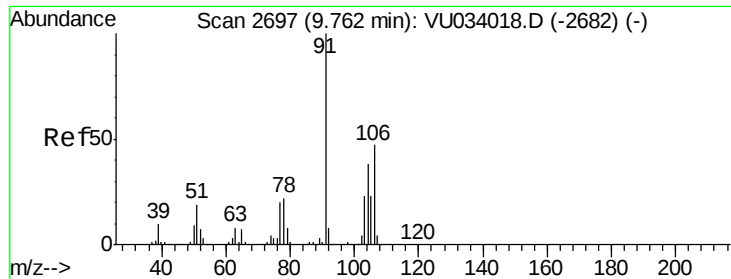
MMDadoda  
9/3/2019 11:43:39 AM



#68  
m/p-Xylenes  
Concen: 102.481 ug/l  
RT: 9.35 min Scan# 2570  
Delta R.T. -0.00 min  
Lab File: VU034157.D  
Acq: 01 Sep 2019 05:38

Tgt Ion: 106 Resp: 861870  
Ion Ratio Lower Upper  
106 100  
91 202.9 161.6 242.4





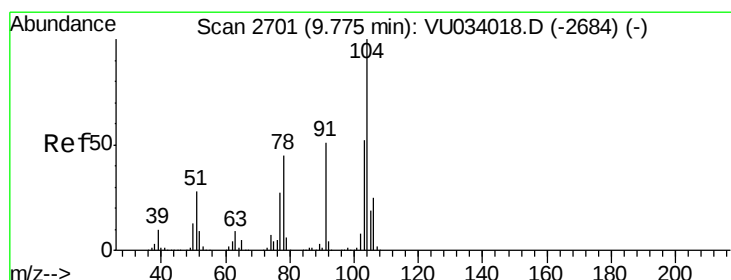
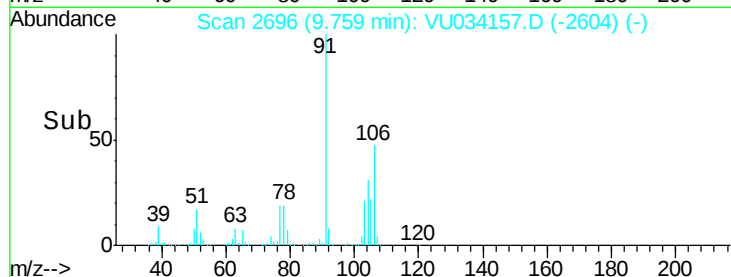
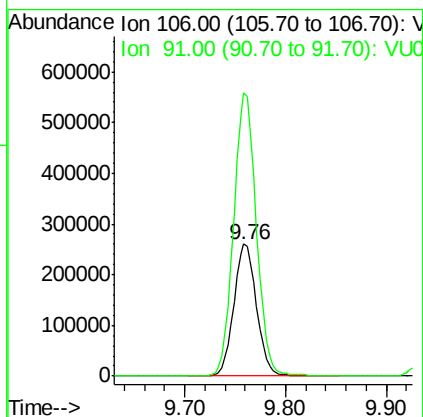
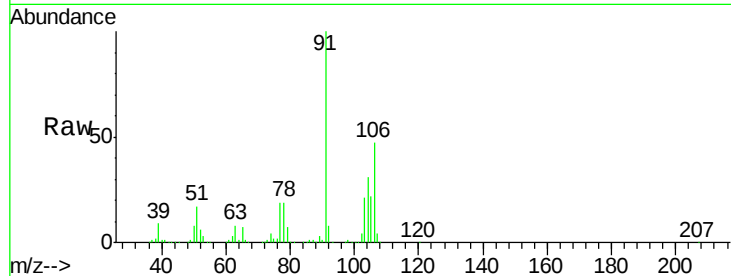
#69  
o-Xylene  
Concen: 50.785 ug/l  
RT: 9.76 min Scan# 2696  
Delta R.T. -0.00 min  
Lab File: VU034157.D  
Acq: 01 Sep 2019 05:38

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 213.9 | 106.0 | 318.0 |

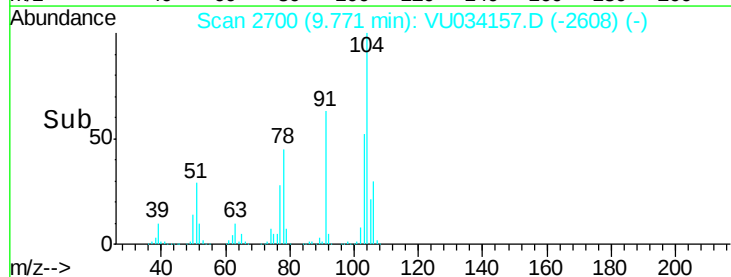
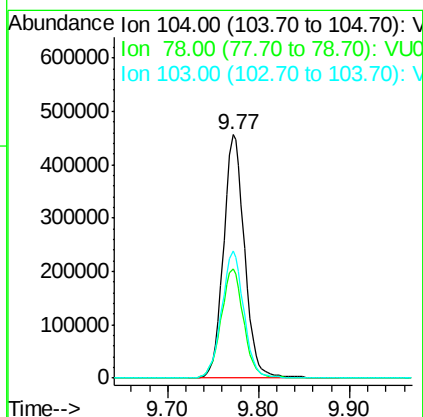
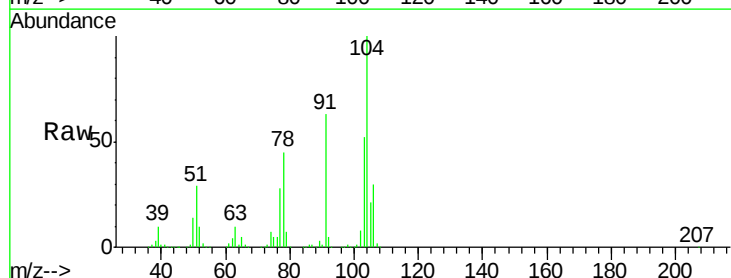
Manual Integrations  
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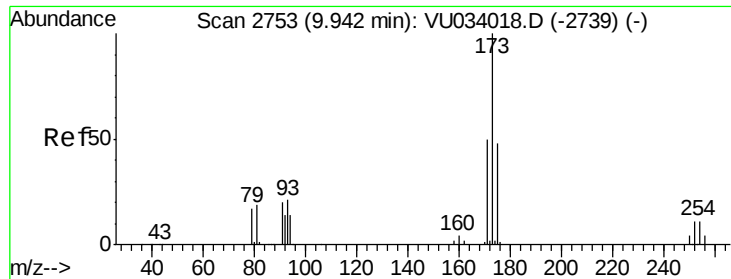
MMDadoda  
9/3/2019 11:43:39 AM



#70  
Styrene  
Concen: 53.096 ug/l  
RT: 9.77 min Scan# 2700  
Delta R.T. -0.00 min  
Lab File: VU034157.D  
Acq: 01 Sep 2019 05:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 48.4  | 39.0  | 58.4  |
| 103     | 55.1  | 44.0  | 66.0  |





#71

Bromoform

Concen: 47.814 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU034157.D

Acq: 01 Sep 2019 05:38

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 196550

Ion Ratio Lower Upper

173 100

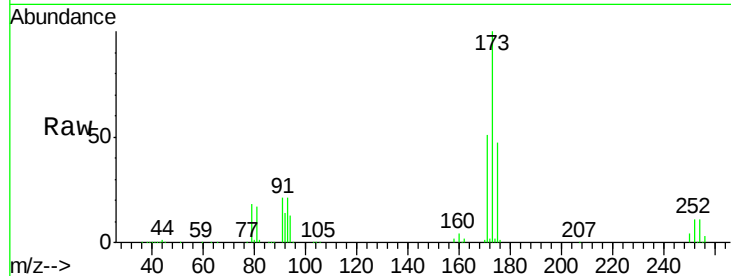
175 48.8 24.6 73.6

254 0.0 0.0 0.0#

Manual Integrations  
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MMDadoda

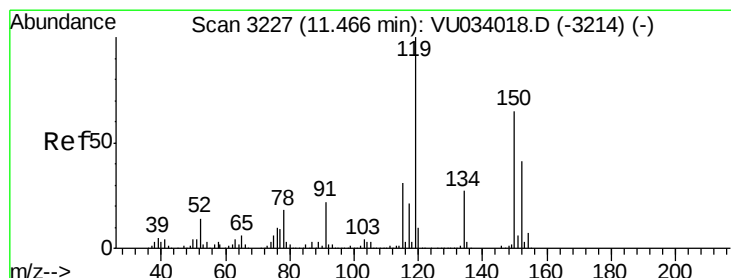
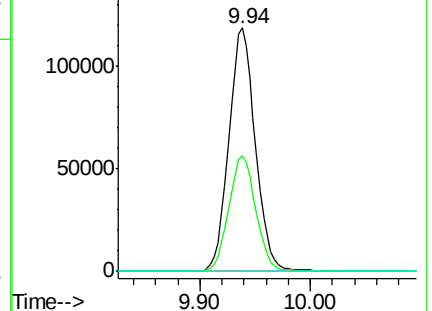
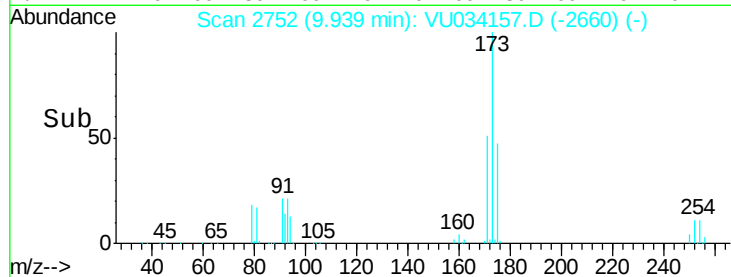
9/3/2019 11:43:39 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3226

Delta R.T. -0.00 min

Lab File: VU034157.D

Acq: 01 Sep 2019 05:38

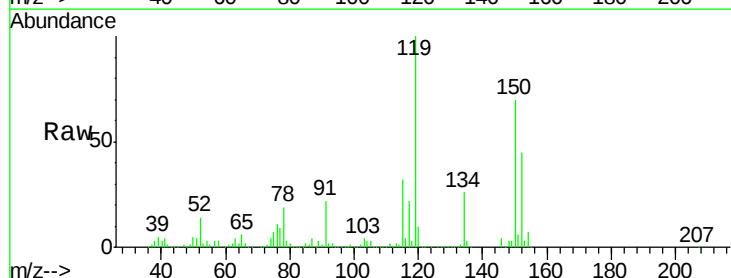
Tgt Ion:152 Resp: 347876

Ion Ratio Lower Upper

152 100

115 77.9 41.1 123.3

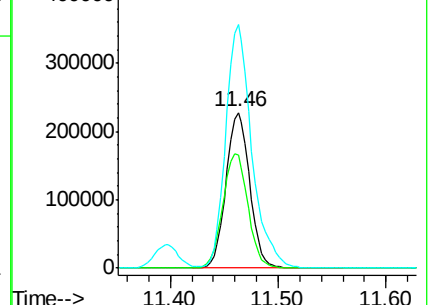
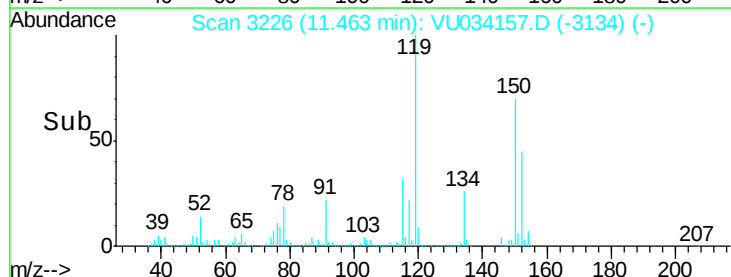
150 172.1 0.0 348.8

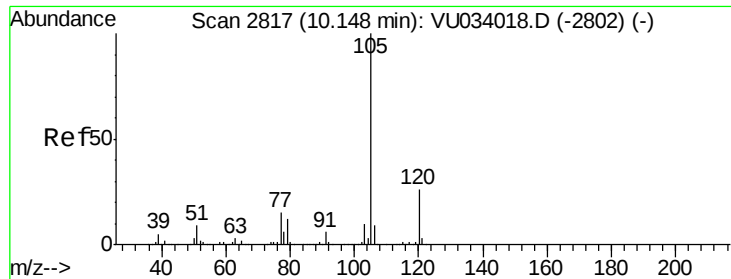


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.480 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034157.D

Acq: 01 Sep 2019 05:38

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1109442

Ion Ratio Lower Upper

105 100

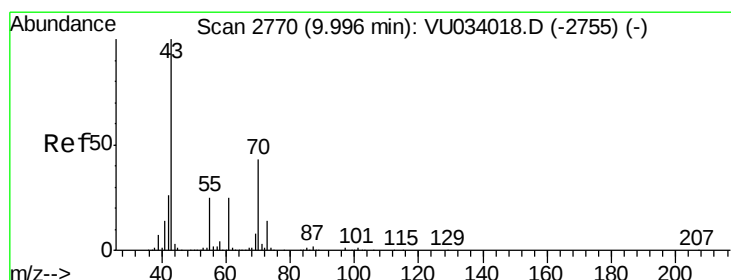
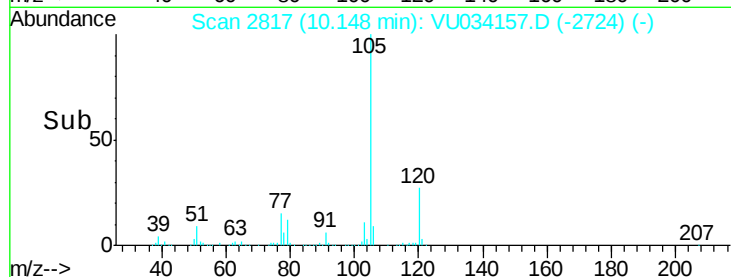
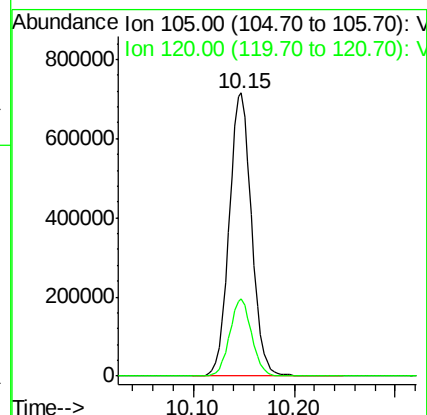
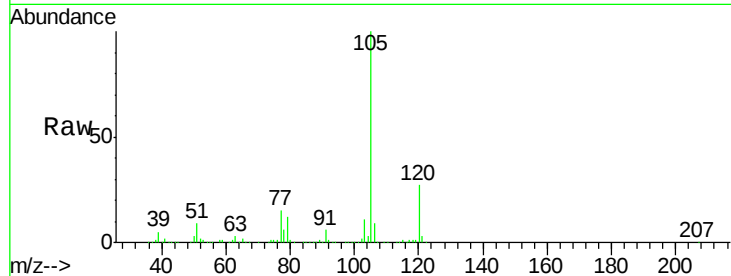
120 26.7 13.3 39.8

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#74

N-ethyl acetate

Concen: 48.270 ug/l

RT: 9.99 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VU034157.D

Acq: 01 Sep 2019 05:38

Tgt Ion: 43 Resp: 474387

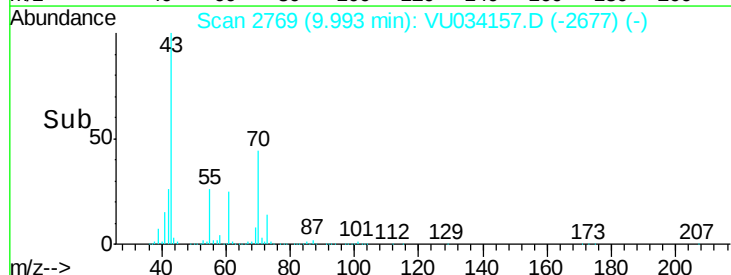
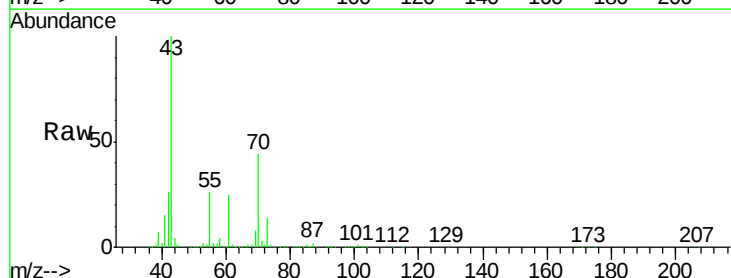
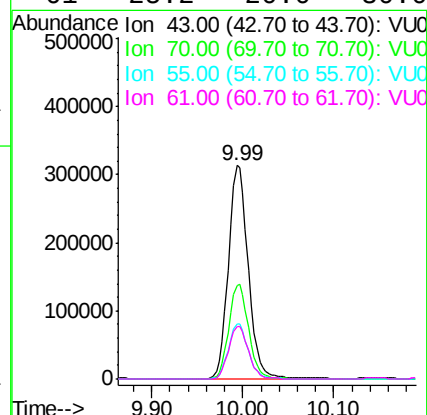
Ion Ratio Lower Upper

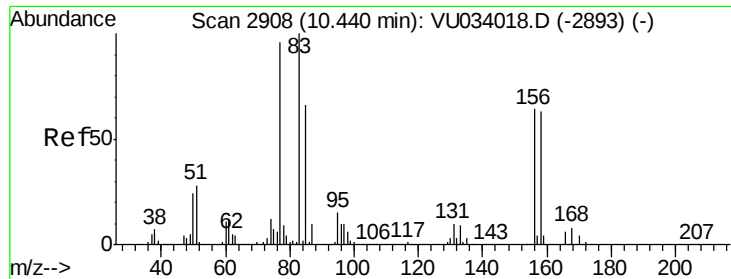
43 100

70 44.3 35.2 52.8

55 26.0 20.5 30.7

61 25.2 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 45.178 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VU034157.D

Acq: 01 Sep 2019 05:38

Instrument :

MSVOA\_U

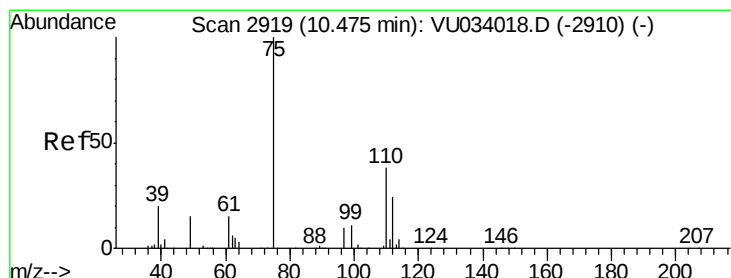
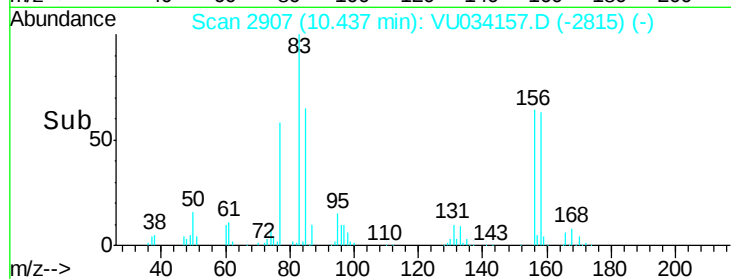
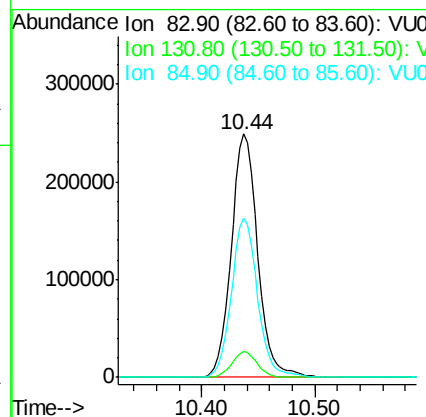
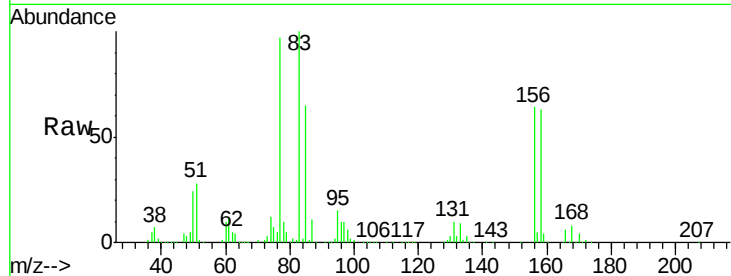
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 404051 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.1  | 5.0   | 14.9   |
| 85        | 64.8  | 32.2  | 96.6   |

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#76

1,2,3-Trichloropropane

Concen: 45.317 ug/l m

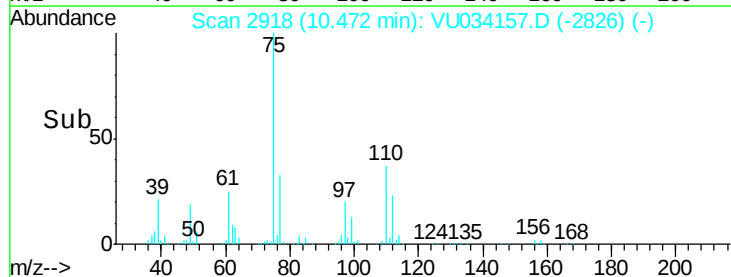
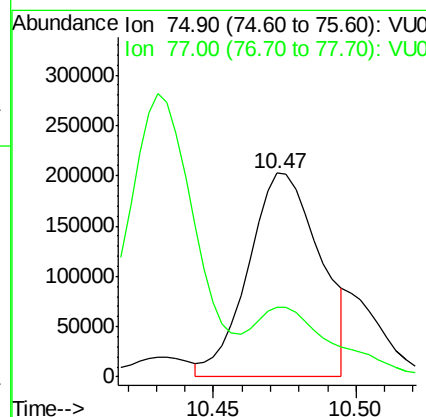
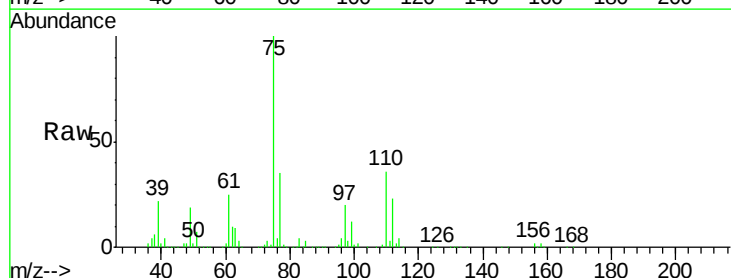
RT: 10.47 min Scan# 2918

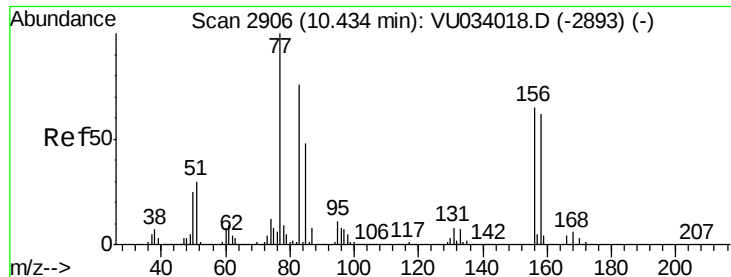
Delta R.T. -0.00 min

Lab File: VU034157.D

Acq: 01 Sep 2019 05:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 355307 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 38.2  | 20.1  | 60.2   |





#77

Bromobenzene

Concen: 46.266 ug/l

RT: 10.43 min Scan# 2905

Delta R.T. -0.00 min

Lab File: VU034157.D

Acq: 01 Sep 2019 05:38

Instrument :

MSVOA\_U

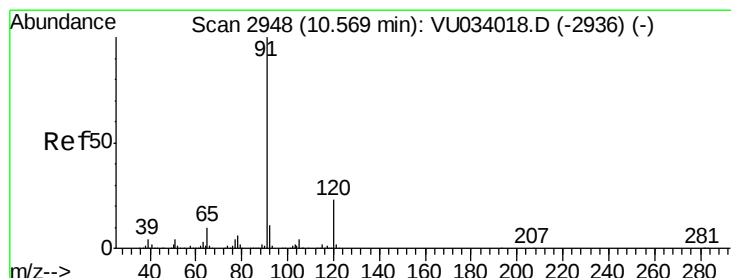
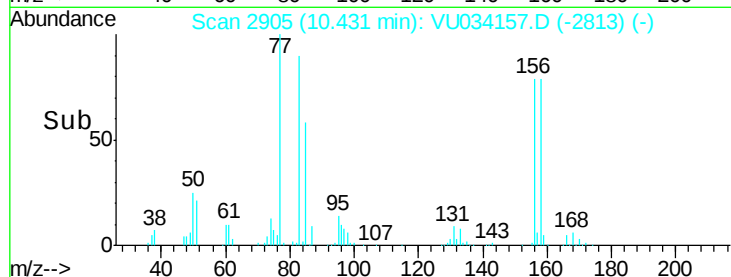
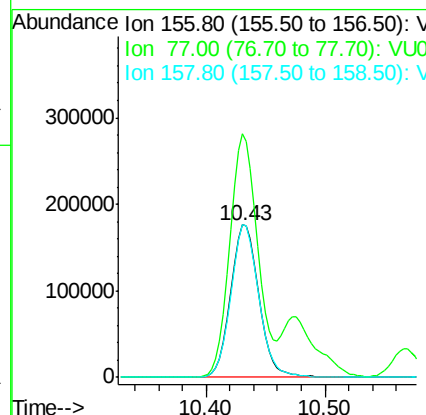
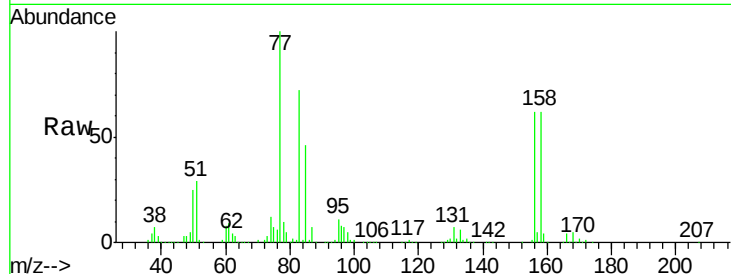
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 290811 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 158.6 | 76.8  | 230.5  |
| 158       | 98.7  | 48.4  | 145.0  |

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#78

n-propylbenzene

Concen: 48.095 ug/l

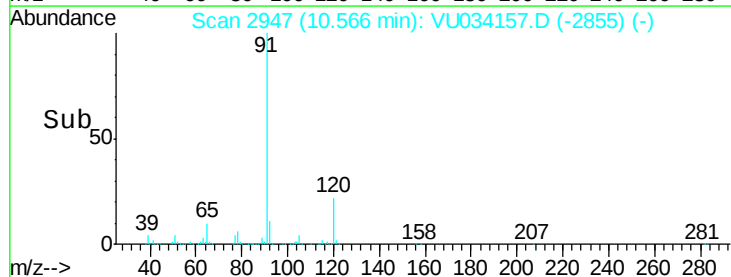
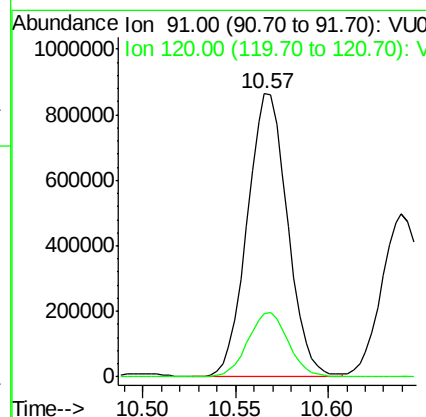
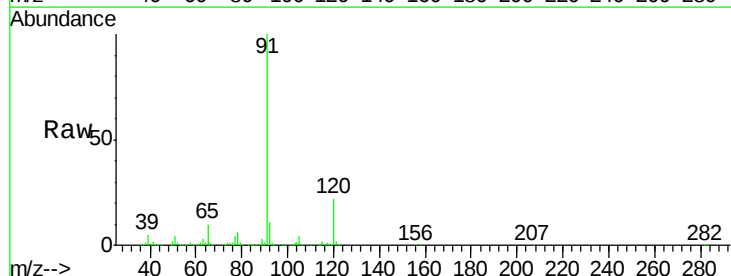
RT: 10.57 min Scan# 2947

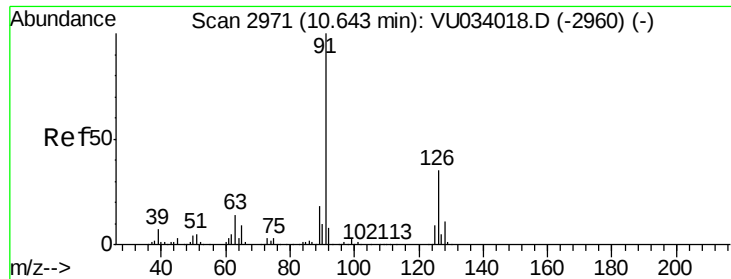
Delta R.T. -0.00 min

Lab File: VU034157.D

Acq: 01 Sep 2019 05:38

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 91    | Resp: | 1308782 |
| Ion Ratio | Lower | Upper |         |
| 91        | 100   |       |         |
| 120       | 22.9  | 11.7  | 35.0    |





#79

2-Chlorotoluene

Concen: 47.351 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. -0.00 min

Lab File: VU034157.D

Acq: 01 Sep 2019 05:38

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 772877

Ion Ratio Lower Upper

91 100

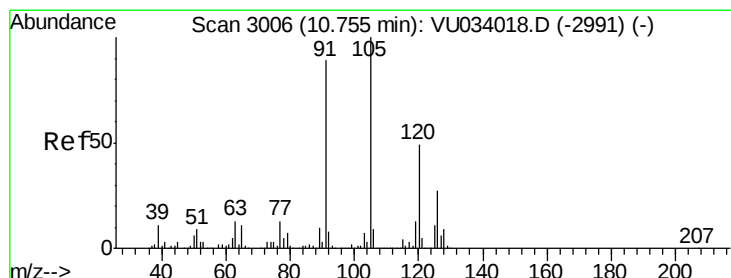
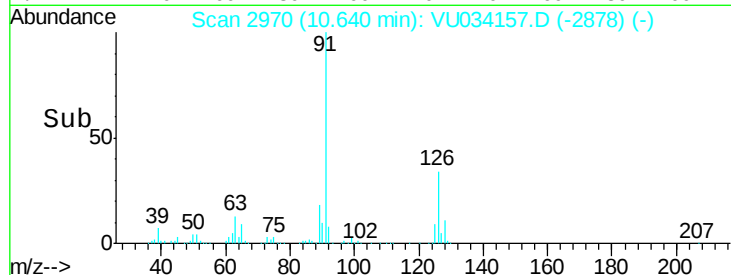
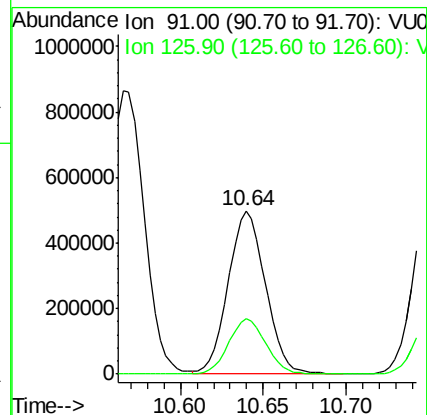
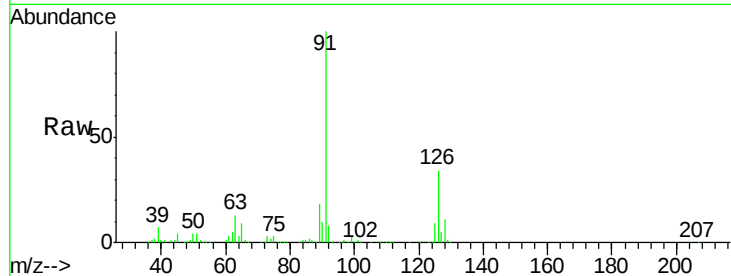
126 34.2 17.1 51.2

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#80

1,3,5-Trimethylbenzene

Concen: 48.583 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU034157.D

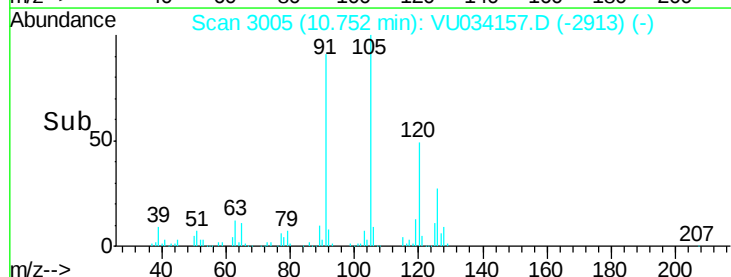
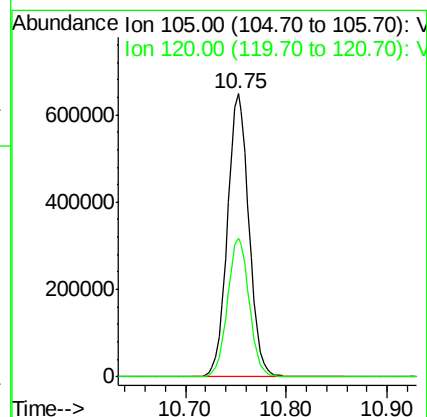
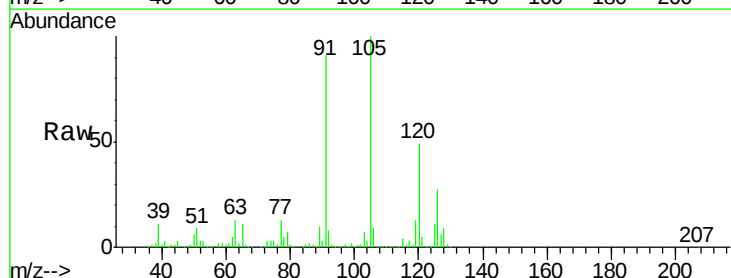
Acq: 01 Sep 2019 05:38

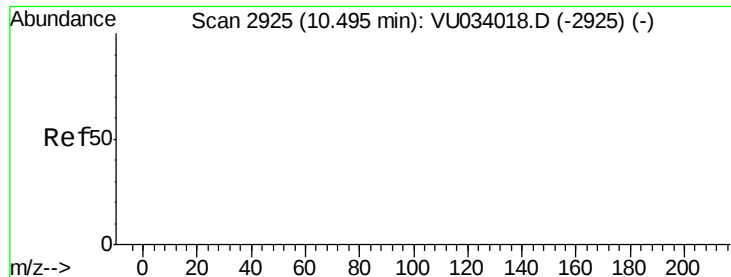
Tgt Ion: 105 Resp: 962163

Ion Ratio Lower Upper

105 100

120 49.5 24.6 73.6





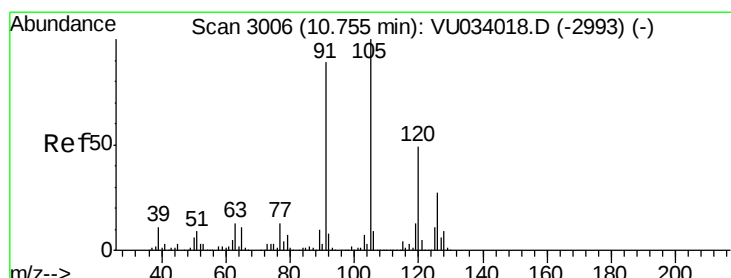
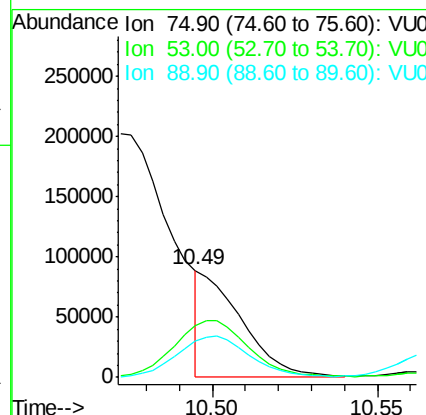
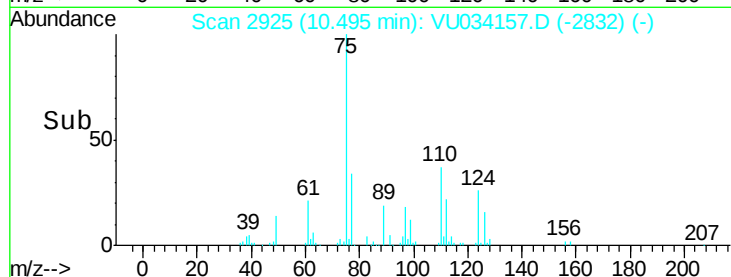
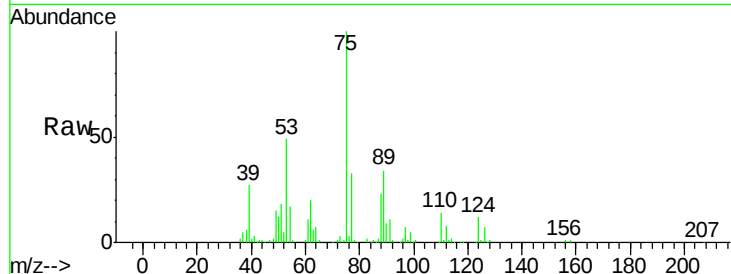
#81  
trans-1,4-Dichloro-2-butene  
Concen: 32.479 ug/l m  
RT: 10.49 min Scan# 2925  
Delta R.T. 0.00 min  
Lab File: VU034157.D  
Acq: 01 Sep 2019 05:38

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

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

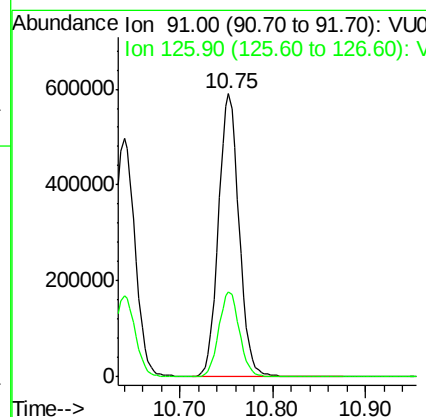
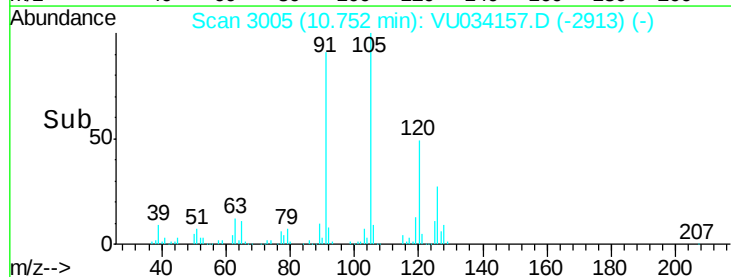
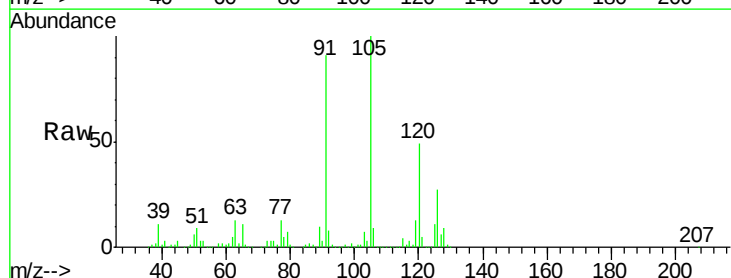
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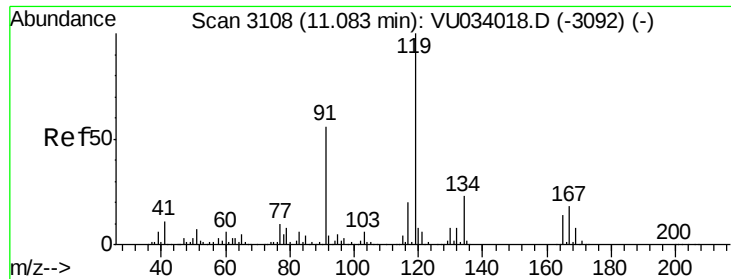
MMDadoda  
9/3/2019 11:43:39 AM



#82  
4-Chlorotoluene  
Concen: 48.256 ug/l  
RT: 10.75 min Scan# 3005  
Delta R.T. -0.00 min  
Lab File: VU034157.D  
Acq: 01 Sep 2019 05:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 30.2  | 15.0  | 45.1  |





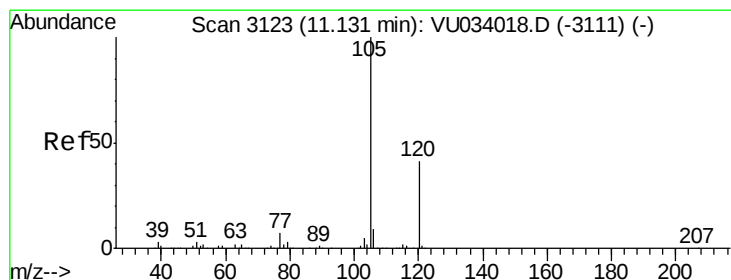
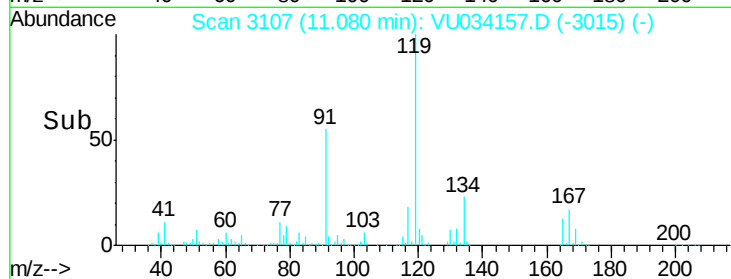
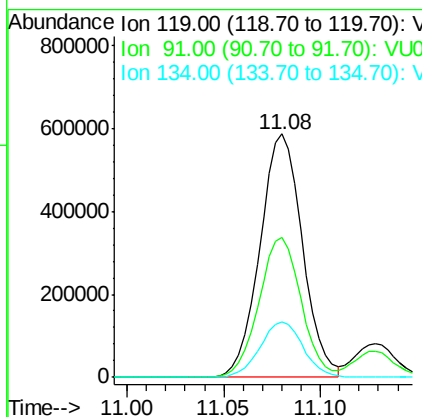
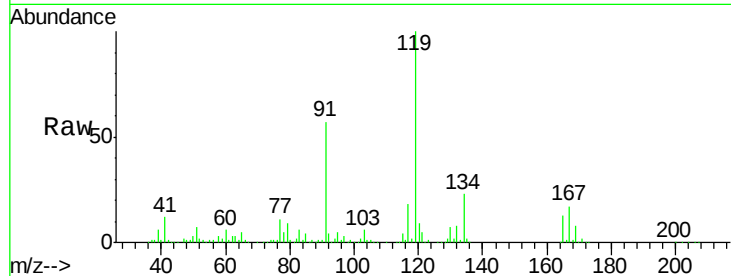
#83  
 tert-Butylbenzene  
 Concen: 46.073 ug/l  
 RT: 11.08 min Scan# 3107  
 Delta R.T. -0.00 min  
 Lab File: VU034157.D  
 Acq: 01 Sep 2019 05:38

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 898262 |       |       |
| 91      | 57.2  |        | 27.9  | 83.6  |
| 134     | 23.0  |        | 11.4  | 34.2  |

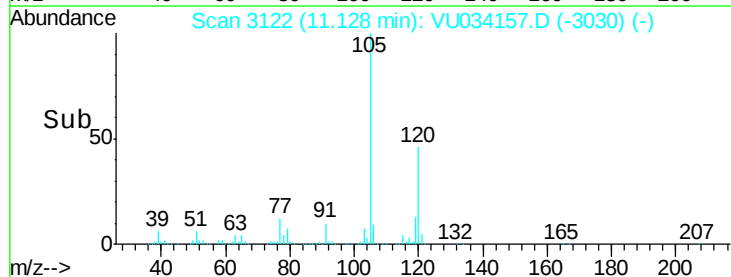
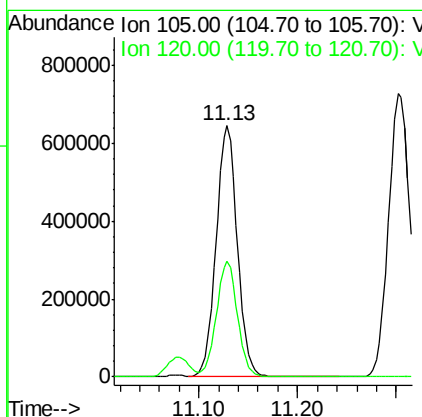
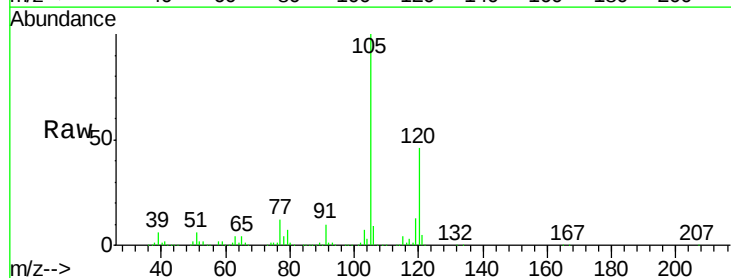
Manual Integrations  
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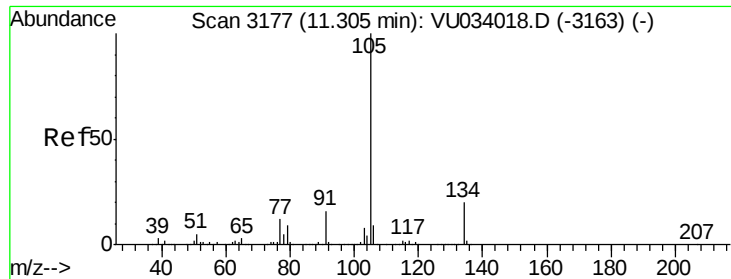
MMDadoda  
 9/3/2019 11:43:39 AM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 49.311 ug/l  
 RT: 11.13 min Scan# 3122  
 Delta R.T. -0.00 min  
 Lab File: VU034157.D  
 Acq: 01 Sep 2019 05:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 969742 |       |       |
| 120     | 45.8  |        | 22.6  | 67.8  |





#85

sec-Butylbenzene

Concen: 47.079 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. -0.00 min

Lab File: VU034157.D

Acq: 01 Sep 2019 05:38

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1100104

Ion Ratio Lower Upper

105 100

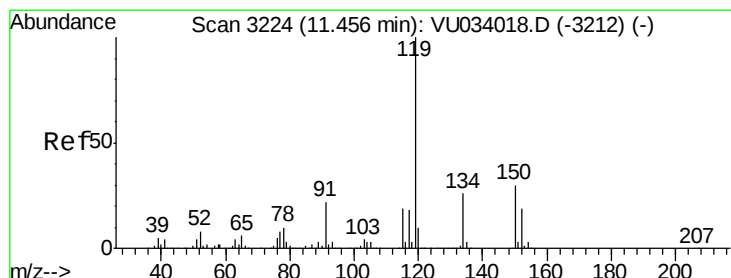
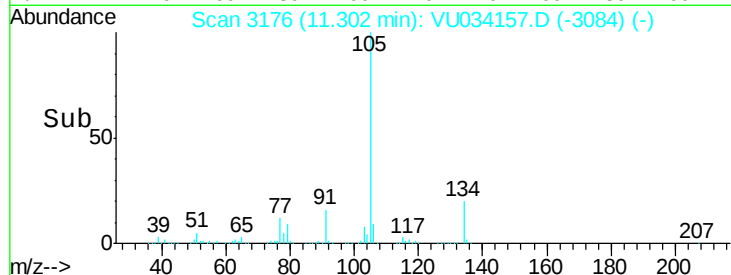
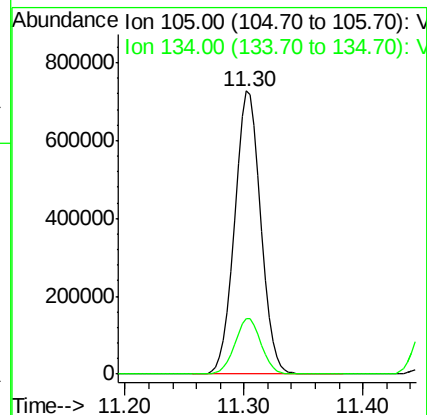
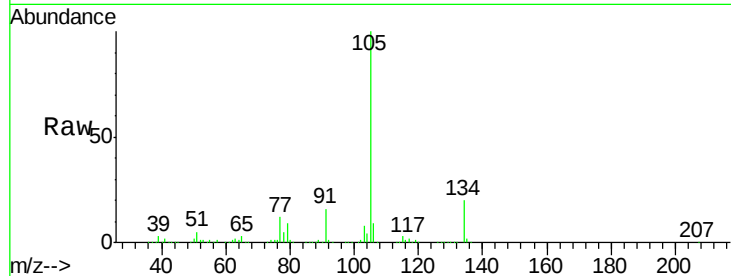
134 19.8 10.0 30.0

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9/3/2019 11:43:39 AM



#86

p-Isopropyltoluene

Concen: 47.869 ug/l

RT: 11.46 min Scan# 3224

Delta R.T. 0.00 min

Lab File: VU034157.D

Acq: 01 Sep 2019 05:38

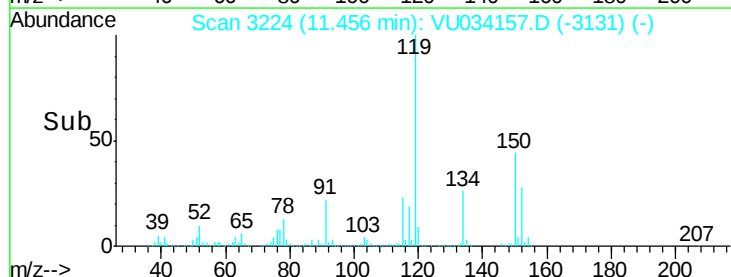
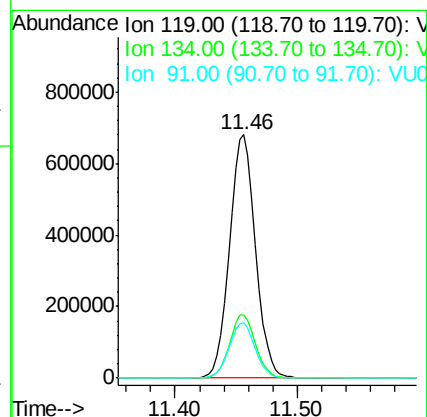
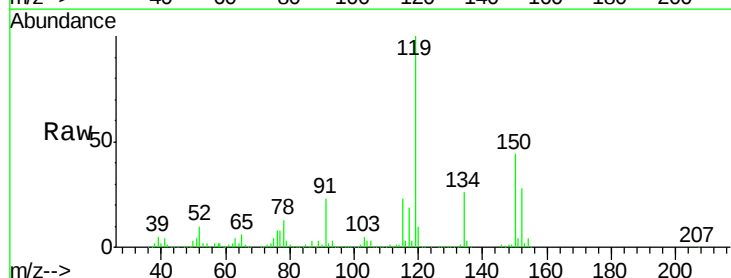
Tgt Ion:119 Resp: 1011644

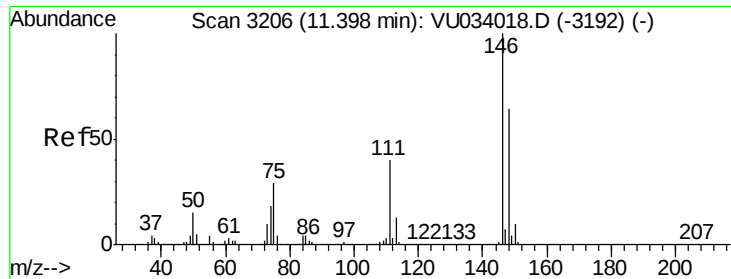
Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.1

91 22.9 11.2 33.6





#87

1,3-Dichlorobenzene

Concen: 47.953 ug/l

RT: 11.40 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VU034157.D

Acq: 01 Sep 2019 05:38

Instrument :

MSVOA\_U

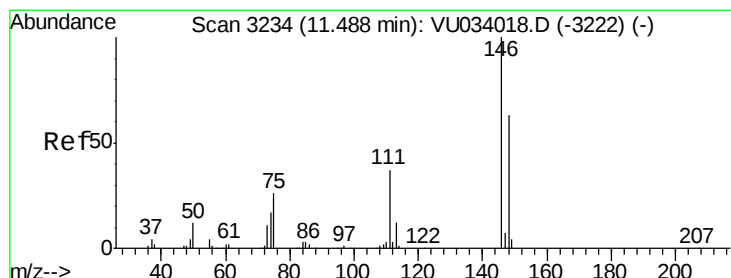
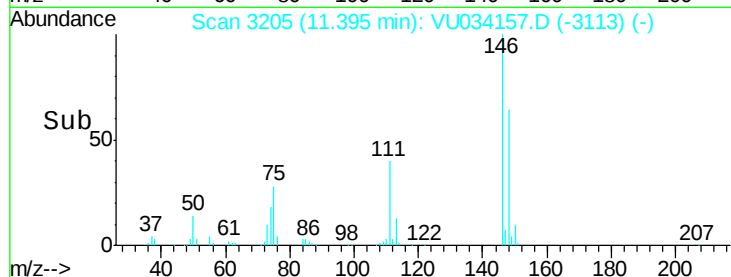
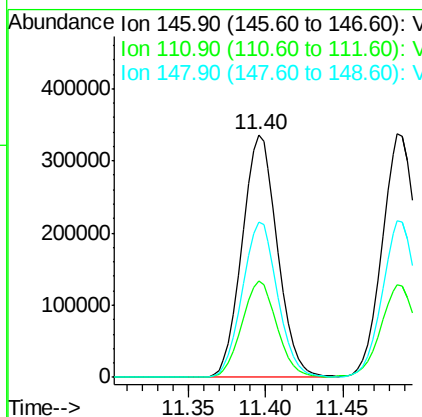
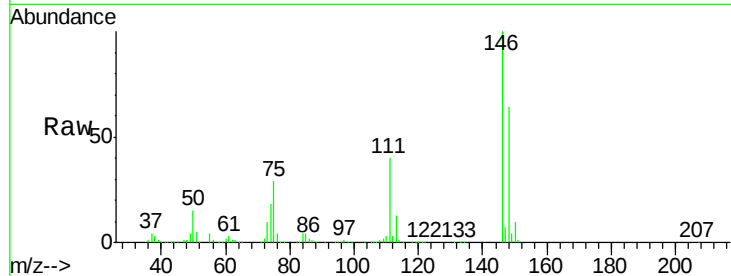
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 533624 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 39.4  | 19.9  | 59.6   |
| 148       | 64.0  | 31.9  | 95.5   |

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#88

1,4-Dichlorobenzene

Concen: 47.727 ug/l

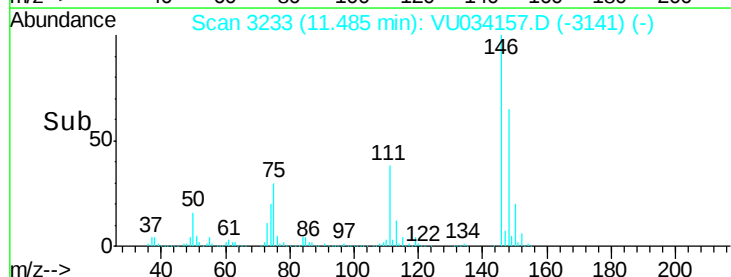
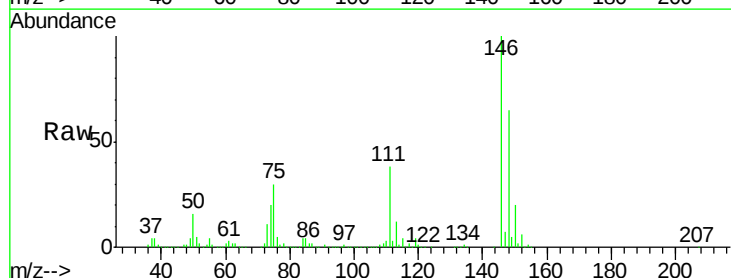
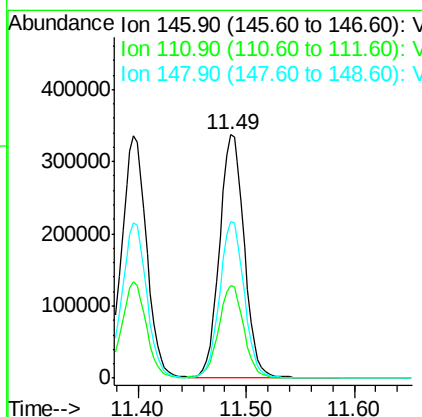
RT: 11.49 min Scan# 3233

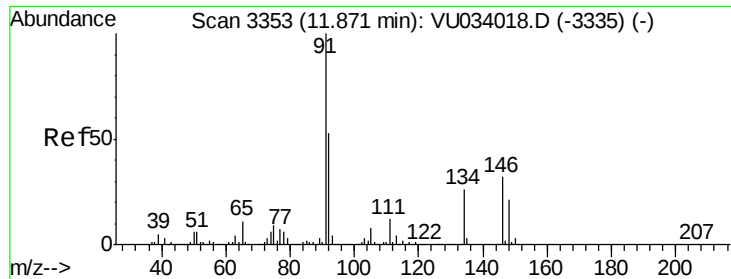
Delta R.T. -0.00 min

Lab File: VU034157.D

Acq: 01 Sep 2019 05:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 537113 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 38.3  | 19.2  | 57.6   |
| 148       | 63.6  | 31.9  | 95.9   |





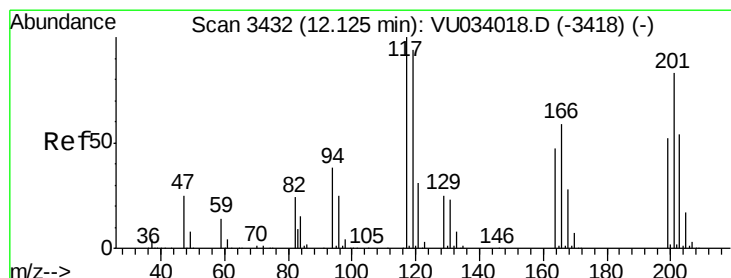
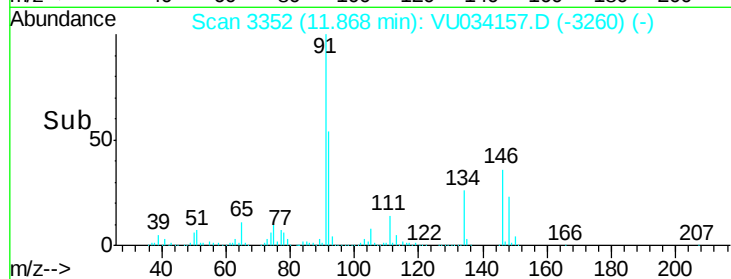
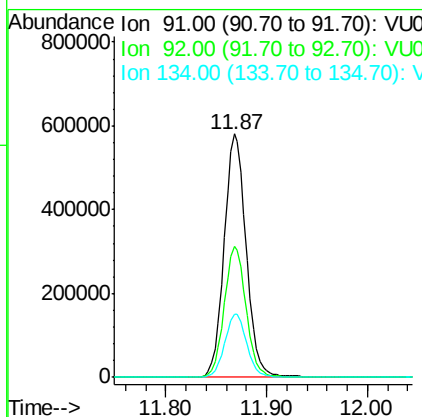
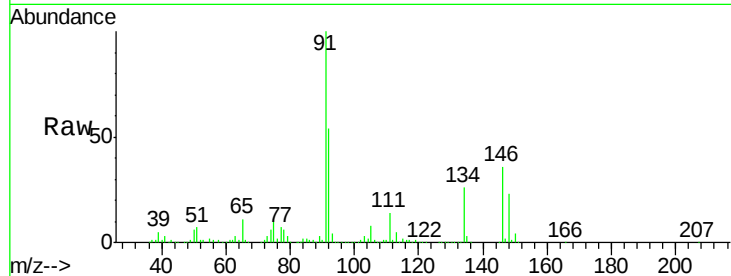
#89  
n-Butylbenzene  
Concen: 47.822 ug/l  
RT: 11.87 min Scan# 3352  
Delta R.T. -0.00 min  
Lab File: VU034157.D  
Acq: 01 Sep 2019 05:38

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 53.4  | 26.3  | 78.9  |
| 134     | 25.9  | 12.9  | 38.7  |

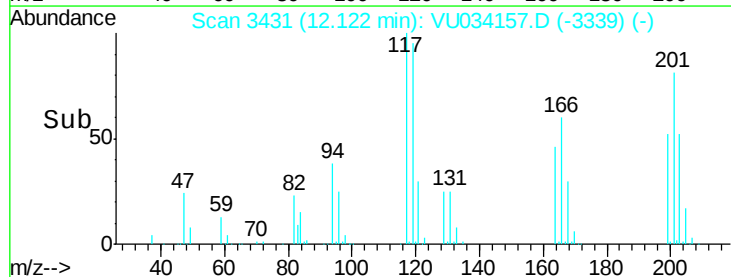
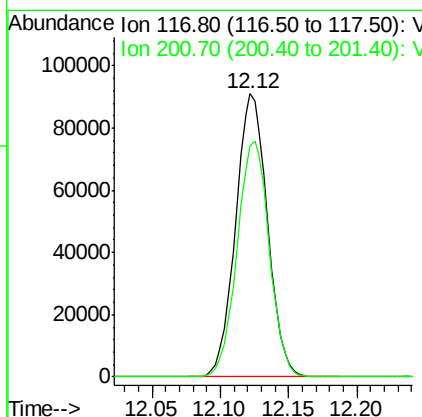
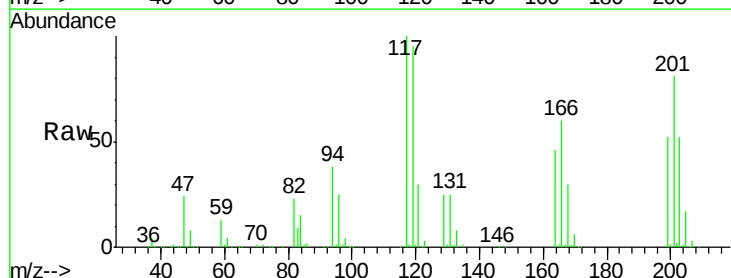
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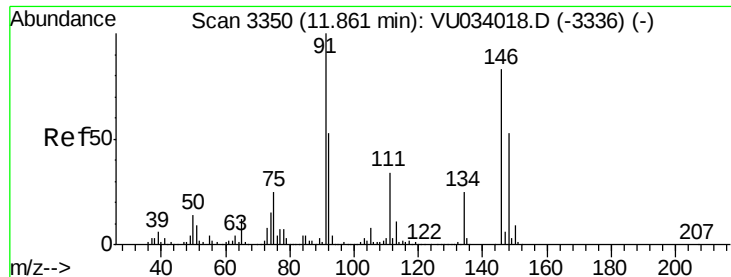
MMDadoda  
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#90  
Hexachloroethane  
Concen: 40.354 ug/l  
RT: 12.12 min Scan# 3431  
Delta R.T. -0.00 min  
Lab File: VU034157.D  
Acq: 01 Sep 2019 05:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 83.9  | 42.5  | 127.6 |





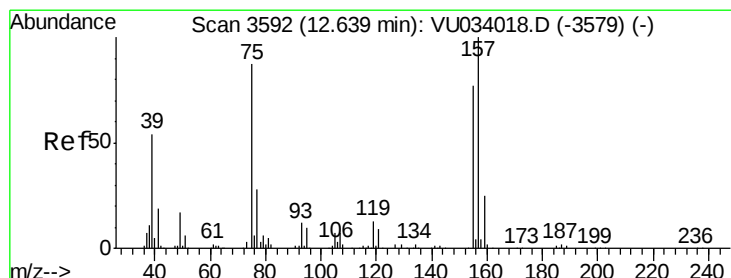
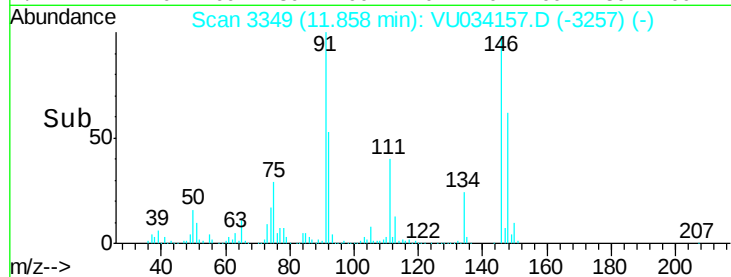
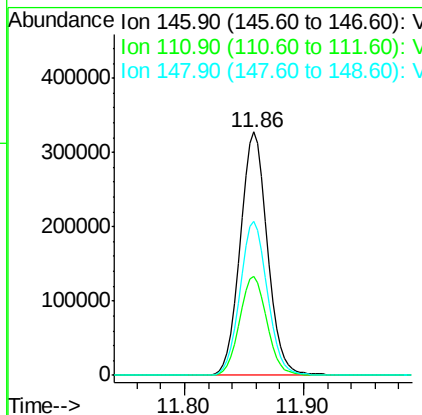
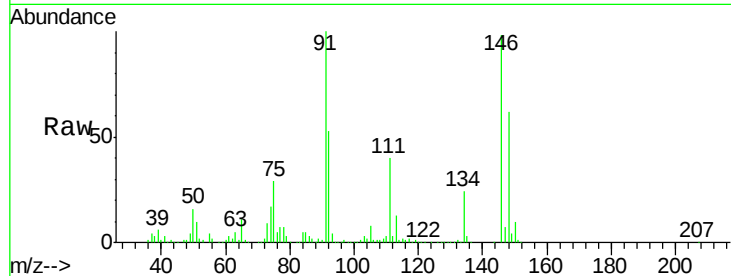
#91  
 1,2-Dichlorobenzene  
 Concen: 48.568 ug/l  
 RT: 11.86 min Scan# 3349  
 Delta R.T. -0.00 min  
 Lab File: VU034157.D  
 Acq: 01 Sep 2019 05:38

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.1  | 20.4  | 61.2  |
| 148     | 64.2  | 32.3  | 96.8  |

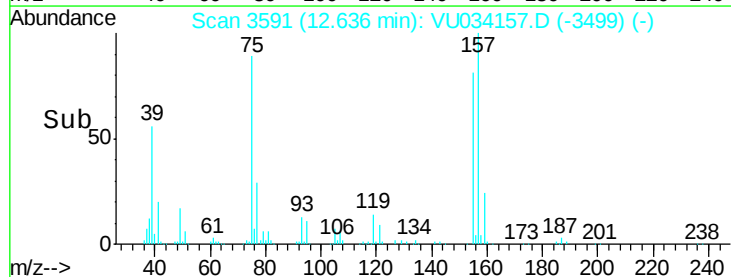
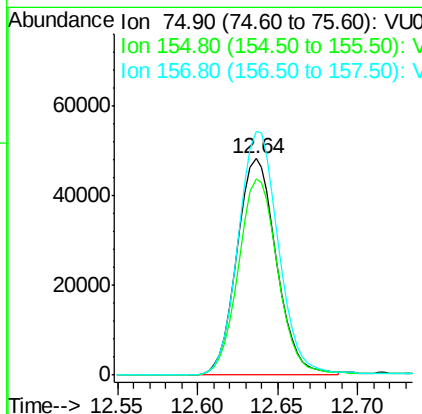
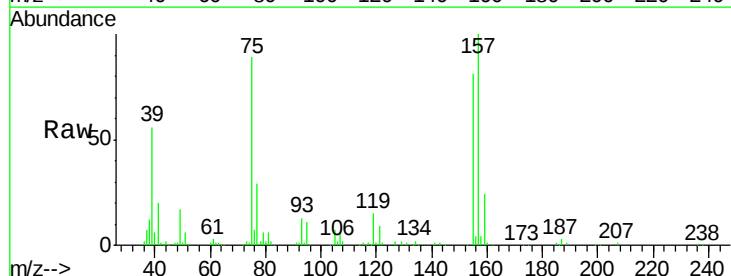
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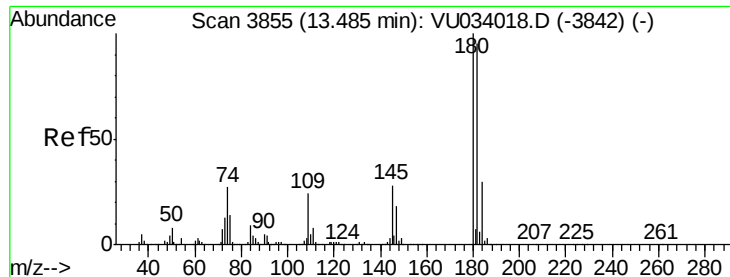
MMDadoda  
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 45.797 ug/l  
 RT: 12.64 min Scan# 3591  
 Delta R.T. -0.00 min  
 Lab File: VU034157.D  
 Acq: 01 Sep 2019 05:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 90.9  | 43.5  | 130.7 |
| 157     | 115.3 | 56.9  | 170.6 |





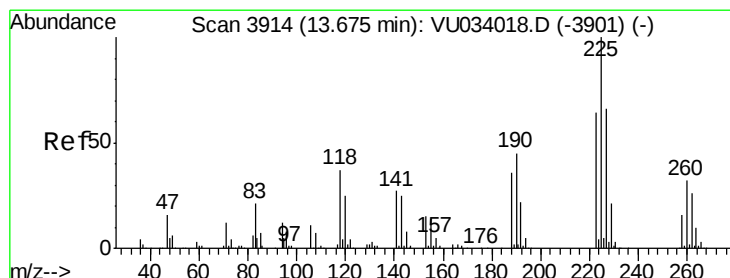
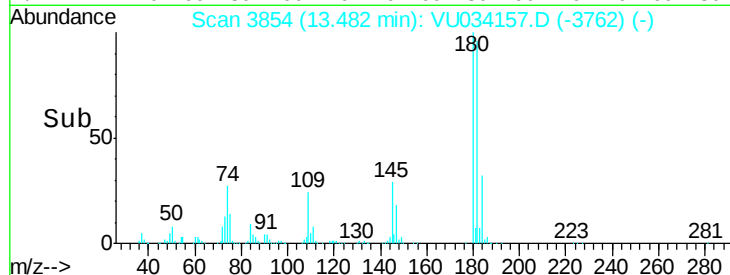
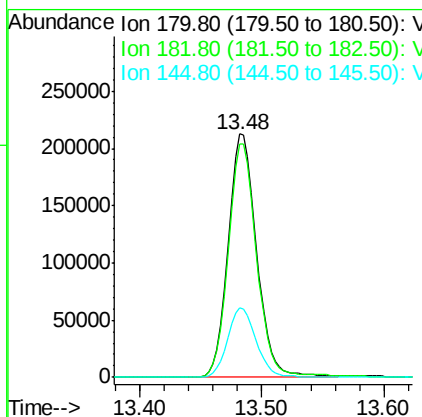
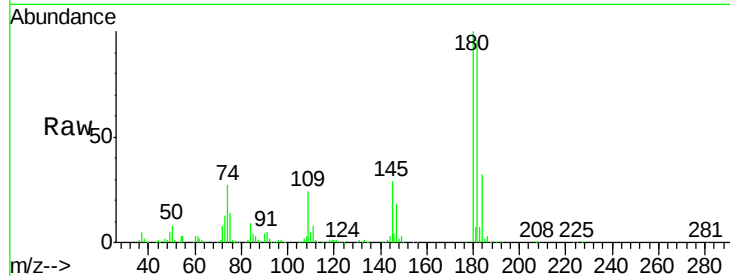
#93  
 1,2,4-Trichlorobenzene  
 Concen: 45.963 ug/l  
 RT: 13.48 min Scan# 3854  
 Delta R.T. -0.00 min  
 Lab File: VU034157.D  
 Acq: 01 Sep 2019 05:38

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 347798 |       |       |
| 182     | 96.4  | 47.4   | 142.2 |       |
| 145     | 28.6  | 14.1   | 42.3  |       |

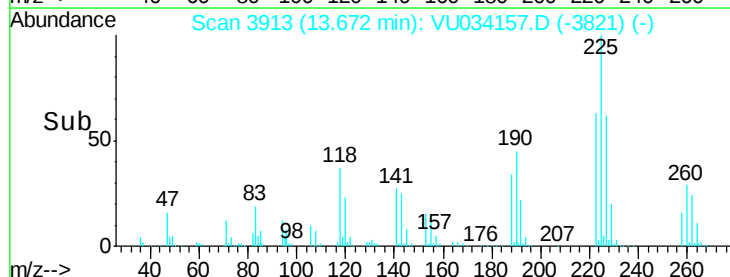
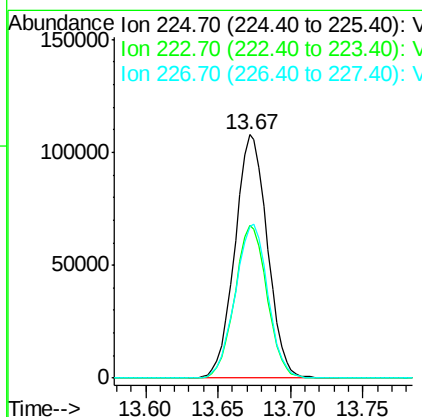
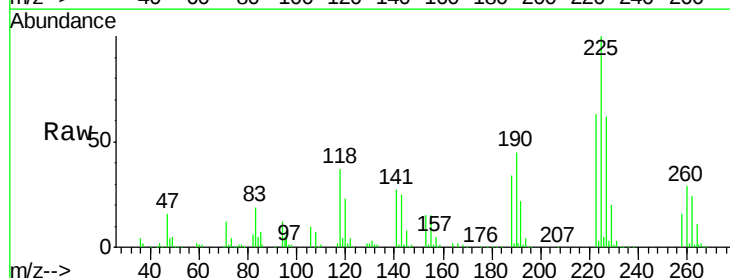
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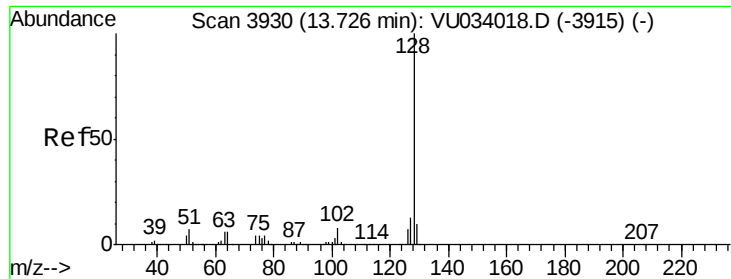
MMDadoda  
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#94  
 Hexachlorobutadiene  
 Concen: 40.222 ug/l  
 RT: 13.67 min Scan# 3913  
 Delta R.T. -0.00 min  
 Lab File: VU034157.D  
 Acq: 01 Sep 2019 05:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 167726 |       |       |
| 223     | 62.3  | 31.8   | 95.3  |       |
| 227     | 63.5  | 32.6   | 97.8  |       |





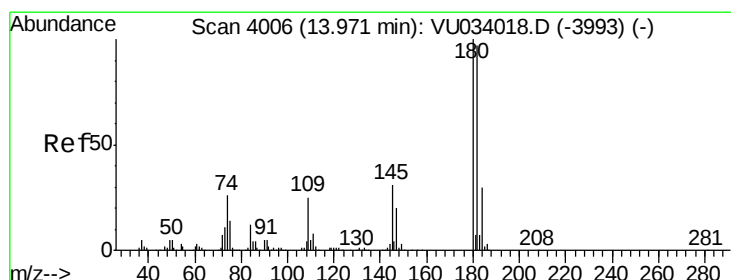
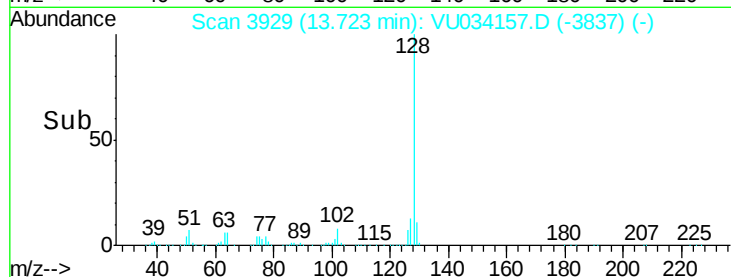
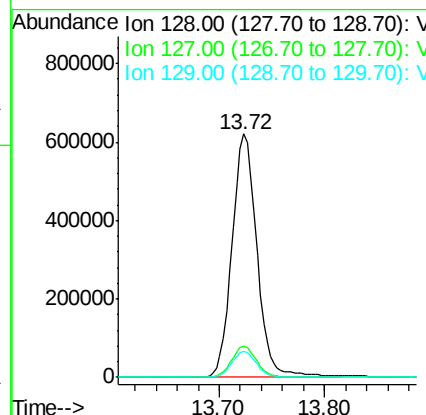
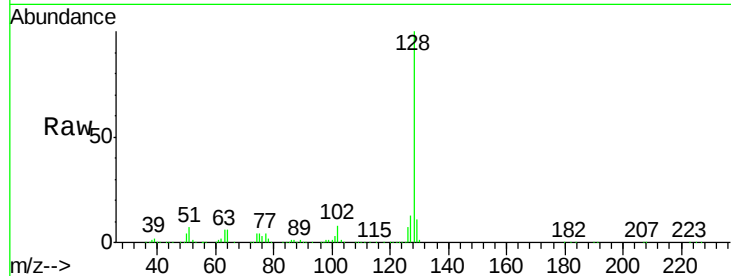
#95  
Naphthalene  
Concen: 46.999 ug/l  
RT: 13.72 min Scan# 3929  
Delta R.T. -0.00 min  
Lab File: VU034157.D  
Acq: 01 Sep 2019 05:38

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:128 Resp: 1018100  
Ion Ratio Lower Upper  
128 100  
127 12.9 10.2 15.4  
129 10.6 8.4 12.6

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#96  
1,2,3-Trichlorobenzene  
Concen: 50.718 ug/l  
RT: 13.97 min Scan# 4005  
Delta R.T. -0.00 min  
Lab File: VU034157.D  
Acq: 01 Sep 2019 05:38

Tgt Ion:180 Resp: 346326  
Ion Ratio Lower Upper  
180 100  
182 96.0 48.2 144.6  
145 30.7 15.5 46.5

