

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU120518\  
 Data File : VU028470.D  
 Acq On : 05 Dec 2018 11:19  
 Operator : MD/SY  
 Sample : VU1205WBS01  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1205WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 12/6/2018 4:53:12 PM

Quant Time: Dec 06 02:45:58 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U112818W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 29 01:04:49 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.98  | 168  | 338858   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.88  | 114  | 580033   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.09  | 117  | 545060   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 267381   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 5.31   | 65  | 290033   | 51.21 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.42% |      |
| 35) Dibromofluoromethane    | 4.88   | 113 | 222075   | 57.58 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 115.16% |      |
| 50) Toluene-d8              | 7.56   | 98  | 871080   | 56.47 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 112.94% |      |
| 62) 4-Bromofluorobenzene    | 10.30  | 95  | 325674   | 58.58 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 117.16% |      |

| Target Compounds              |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.21 | 85  | 95601   | 21.031  | ug/l | 97     |
| 3) Chloromethane              | 1.33 | 50  | 165658  | 18.801  | ug/l | 99     |
| 4) Vinyl Chloride             | 1.40 | 62  | 130212  | 21.122  | ug/l | 98     |
| 5) Bromomethane               | 1.62 | 94  | 56687   | 23.775  | ug/l | 94     |
| 6) Chloroethane               | 1.70 | 64  | 76471   | 21.557  | ug/l | 94     |
| 7) Trichlorofluoromethane     | 1.89 | 101 | 143279  | 22.375  | ug/l | 98     |
| 8) Diethyl Ether              | 2.10 | 74  | 67088   | 22.537  | ug/l | 87     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.29 | 101 | 90345   | 24.219  | ug/l | 95     |
| 10) Methyl Iodide             | 2.41 | 142 | 61698   | 17.539  | ug/l | 95     |
| 11) Tert butyl alcohol        | 2.82 | 59  | 143991  | 111.919 | ug/l | 98     |
| 12) 1,1-Dichloroethene        | 2.29 | 96  | 86900   | 24.005  | ug/l | 87     |
| 13) Acrolein                  | 2.20 | 56  | 112615  | 98.458  | ug/l | 99     |
| 14) Allyl chloride            | 2.59 | 41  | 176860  | 18.699  | ug/l | 98     |
| 15) Acrylonitrile             | 2.94 | 53  | 346919  | 101.938 | ug/l | 98     |
| 16) Acetone                   | 2.32 | 43  | 350712  | 101.236 | ug/l | 97     |
| 17) Carbon Disulfide          | 2.48 | 76  | 280261  | 20.170  | ug/l | 99     |
| 18) Methyl Acetate            | 2.61 | 43  | 195118  | 20.229  | ug/l | 95     |
| 19) Methyl tert-butyl Ether   | 3.00 | 73  | 322136  | 21.705  | ug/l | 99     |
| 20) Methylene Chloride        | 2.70 | 84  | 105059  | 21.459  | ug/l | 88     |
| 21) trans-1,2-Dichloroethene  | 2.98 | 96  | 94915   | 22.608  | ug/l | 95     |
| 22) Diisopropyl ether         | 3.57 | 45  | 367349  | 19.728  | ug/l | # 94   |
| 23) Vinyl Acetate             | 3.52 | 43  | 1490352 | 96.289  | ug/l | 97     |
| 24) 1,1-Dichloroethane        | 3.45 | 63  | 191048  | 20.810  | ug/l | 98     |
| 25) 2-Butanone                | 4.26 | 43  | 489769  | 98.647  | ug/l | 96     |
| 26) 2,2-Dichloropropane       | 4.22 | 77  | 157470  | 21.597  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 4.22 | 96  | 108261  | 21.804  | ug/l | 92     |
| 28) Bromochloromethane        | 4.55 | 49  | 94824   | 20.656  | ug/l | 87     |
| 29) Tetrahydrofuran           | 4.64 | 42  | 312645  | 96.988  | ug/l | 92     |
| 30) Chloroform                | 4.67 | 83  | 179565  | 21.190  | ug/l | 99     |
| 31) Cyclohexane               | 5.00 | 56  | 190515  | 19.983  | ug/l | 91     |
| 32) 1,1,1-Trichloroethane     | 4.92 | 97  | 144077  | 21.188  | ug/l | 98     |
| 36) 1,1-Dichloropropene       | 5.13 | 75  | 137094  | 21.599  | ug/l | 97     |
| 37) Ethyl Acetate             | 4.38 | 43  | 172477  | 19.940  | ug/l | 96     |
| 38) Carbon Tetrachloride      | 5.13 | 117 | 112901  | 21.661  | ug/l | 99     |

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 Data File : VU028470.D  
 Acq On : 05 Dec 2018 11:19  
 Operator : MD/SY  
 Sample : VU1205WBS01  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleID :  
 VU1205WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 12/6/2018 4:53:12 PM

Quant Time: Dec 06 02:45:58 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U112818W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 29 01:04:49 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 6.41  | 83   | 169680   | 22.674  | ug/l   | 95       |
| 40) Benzene                    | 5.39  | 78   | 418159   | 22.244  | ug/l   | 100      |
| 41) Methacrylonitrile          | 4.54  | 41   | 98613    | 20.529  | ug/l   | 94       |
| 42) 1,2-Dichloroethane         | 5.40  | 62   | 141953   | 20.961  | ug/l   | 97       |
| 43) Isopropyl Acetate          | 5.55  | 43   | 279229   | 20.371  | ug/l   | 96       |
| 44) Trichloroethene            | 6.19  | 130  | 97814    | 24.274  | ug/l   | 93       |
| 45) 1,2-Dichloropropane        | 6.43  | 63   | 117742   | 21.388  | ug/l   | 99       |
| 46) Dibromomethane             | 6.56  | 93   | 70803    | 22.391  | ug/l   | 94       |
| 47) Bromodichloromethane       | 6.76  | 83   | 133768   | 21.268  | ug/l   | 99       |
| 48) Methyl methacrylate        | 6.62  | 41   | 138179   | 19.353  | ug/l   | 95       |
| 49) 1,4-Dioxane                | 6.61  | 88   | 59208    | 519.083 | ug/l   | 87       |
| 51) 4-Methyl-2-Pentanone       | 7.46  | 43   | 873622   | 99.792  | ug/l   | 95       |
| 52) Toluene                    | 7.64  | 92   | 251869   | 23.267  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene      | 7.88  | 75   | 162996   | 21.672  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 7.27  | 75   | 174517   | 21.659  | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane      | 8.07  | 97   | 101491   | 22.527  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 8.02  | 69   | 167915   | 21.908  | ug/l   | 95       |
| 57) 1,3-Dichloropropane        | 8.24  | 76   | 179287   | 21.700  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 7.13  | 63   | 427732   | 103.944 | ug/l   | 96       |
| 59) 2-Hexanone                 | 8.36  | 43   | 677243   | 99.871  | ug/l   | 94       |
| 60) Dibromochloromethane       | 8.48  | 129  | 96403    | 22.498  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 8.58  | 107  | 108251   | 23.460  | ug/l   | 97       |
| 64) Tetrachloroethene          | 8.23  | 164  | 82900    | 23.122  | ug/l   | 97       |
| 65) Chlorobenzene              | 9.12  | 112  | 258727   | 22.860  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 9.21  | 131  | 86541    | 22.308  | ug/l   | 97       |
| 67) Ethyl Benzene              | 9.25  | 91   | 477687   | 22.410  | ug/l   | 96       |
| 68) m/p-Xylenes                | 9.37  | 106  | 357912   | 46.649  | ug/l   | 95       |
| 69) o-Xylene                   | 9.78  | 106  | 174112   | 22.828  | ug/l   | 98       |
| 70) Styrene                    | 9.79  | 104  | 281476   | 22.883  | ug/l   | 98       |
| 71) Bromoform                  | 9.96  | 173  | 71732    | 21.998  | ug/l # | 100      |
| 73) Isopropylbenzene           | 10.16 | 105  | 463145   | 22.271  | ug/l   | 100      |
| 74) N-amyl acetate             | 10.01 | 43   | 240485   | 18.457  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane  | 10.46 | 83   | 169338   | 19.802  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 10.49 | 75   | 152639m  | 20.586  | ug/l   |          |
| 77) Bromobenzene               | 10.45 | 156  | 110092   | 22.467  | ug/l   | 91       |
| 78) n-propylbenzene            | 10.58 | 91   | 556259   | 21.683  | ug/l   | 98       |
| 79) 2-Chlorotoluene            | 10.66 | 91   | 330218   | 21.835  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 10.77 | 105  | 380609   | 21.719  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 10.51 | 75   | 56975m   | 20.397  | ug/l   |          |
| 82) 4-Chlorotoluene            | 10.77 | 91   | 376409   | 21.603  | ug/l   | 98       |
| 83) tert-Butylbenzene          | 11.10 | 119  | 367749   | 22.511  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 11.15 | 105  | 391428   | 22.052  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 11.32 | 105  | 467035   | 22.011  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 11.48 | 119  | 393283   | 22.542  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 11.41 | 146  | 199990   | 22.377  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 11.50 | 146  | 197978   | 22.011  | ug/l   | 97       |
| 89) n-Butylbenzene             | 11.89 | 91   | 384398   | 22.324  | ug/l   | 99       |
| 90) Hexachloroethane           | 12.14 | 117  | 56148    | 20.614  | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene        | 11.88 | 146  | 199118   | 22.331  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.66 | 75   | 37224    | 19.569  | ug/l   | 93       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_U\DATA\VU120518\  
Data File : VU028470.D  
Acq On : 05 Dec 2018 11:19  
Operator : MD/SY  
Sample : VU1205WBS01  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1205WBS01

Manual Integrations  
APPROVED

MMDadoda  
12/6/2018 4:53:12 PM

Quant Time: Dec 06 02:45:58 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U112818W.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 29 01:04:49 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.50 | 180  | 133852   | 22.933 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.69 | 225  | 62356    | 22.625 | ug/l  | 98       |
| 95) Naphthalene            | 13.74 | 128  | 462110   | 22.206 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 13.99 | 180  | 138653   | 23.489 | ug/l  | 99       |

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

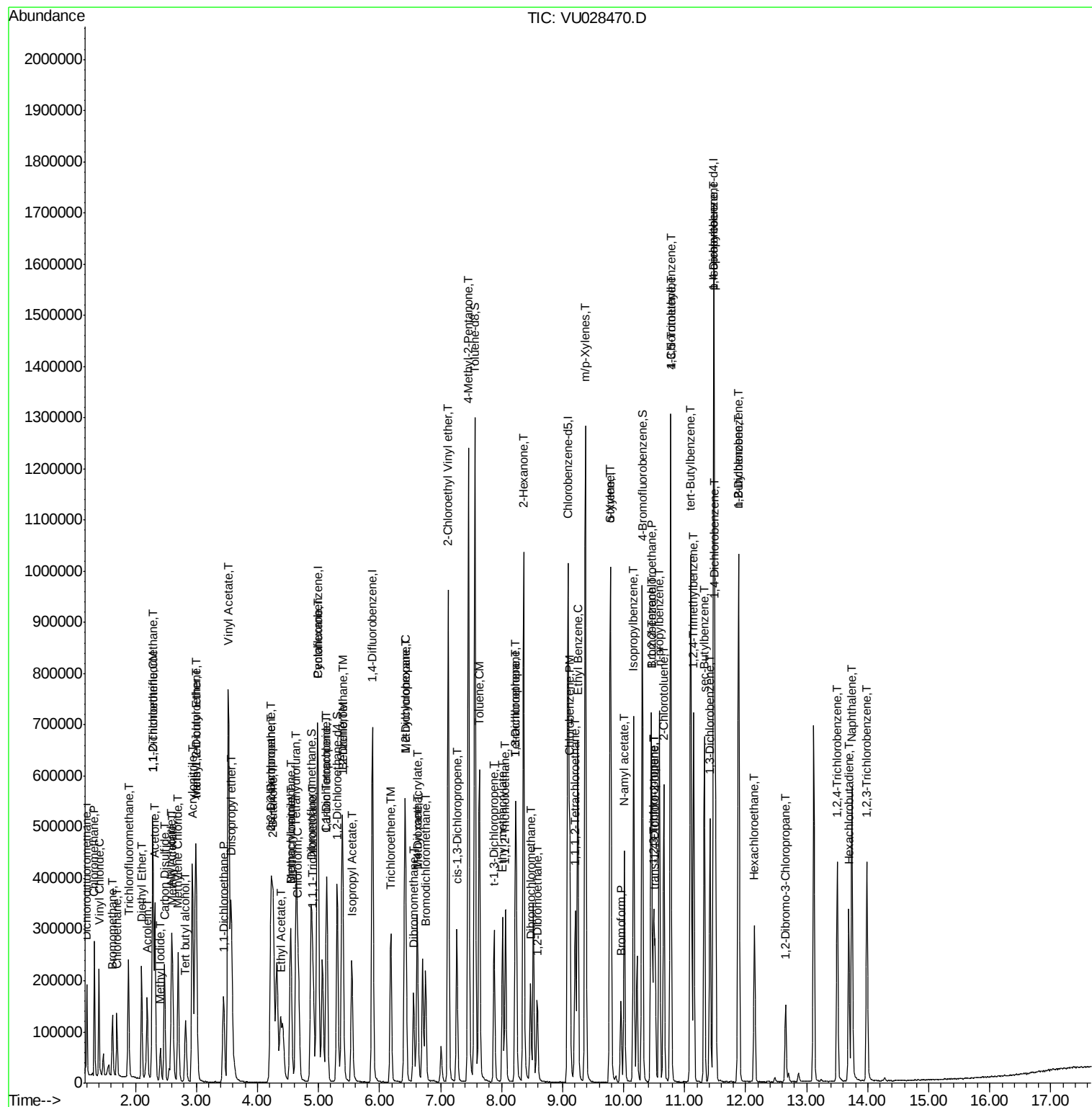
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Data File : VU028470.D  
Acq On : 05 Dec 2018 11:19  
Operator : MD/SY  
Sample : VU1205WBS01  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 4 Sample Multiplier: 1

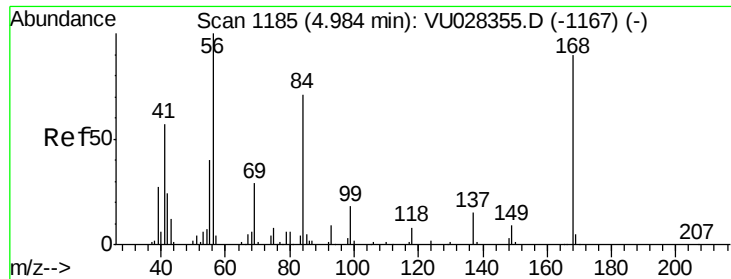
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1205WBS01

Manual Integrations  
APPROVED

MMDadoda  
12/6/2018 4:53:12 PM

Quant Time: Dec 06 02:45:58 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U112818W.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 29 01:04:49 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

Instrument :

MSVOA\_U

ClientSampleId :

VU1205WBS01

Tgt Ion:168 Resp: 338858

Ion Ratio Lower Upper

168 100

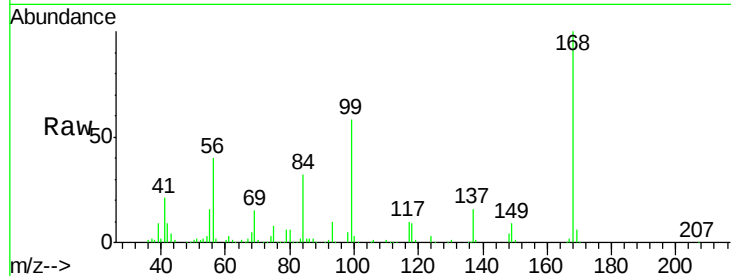
99 57.4 49.6 74.4

Manual Integrations

APPROVED

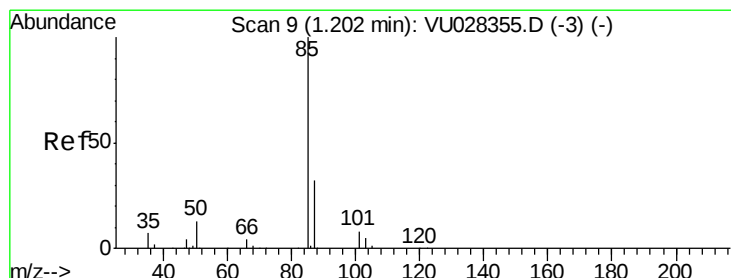
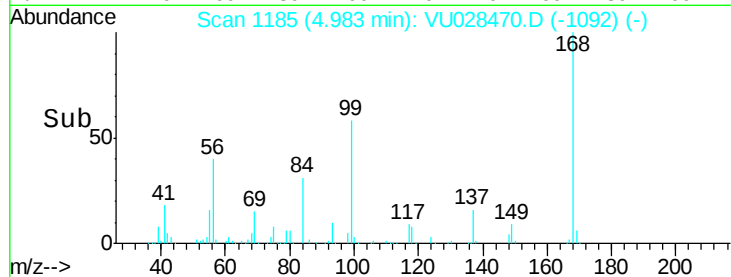
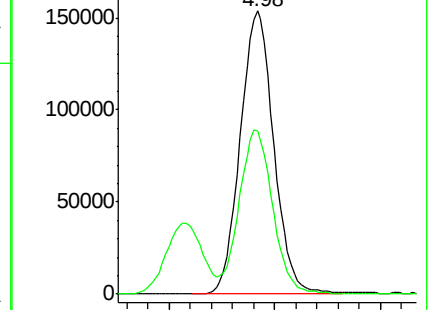
MMDadoda

12/6/2018 4:53:12 PM



Abundance Ion 167.90 (167.60 to 168.60): VU028355.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028355.D (-1167) (-)



#2

Dichlorodifluoromethane

Concen: 21.031 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028470.D

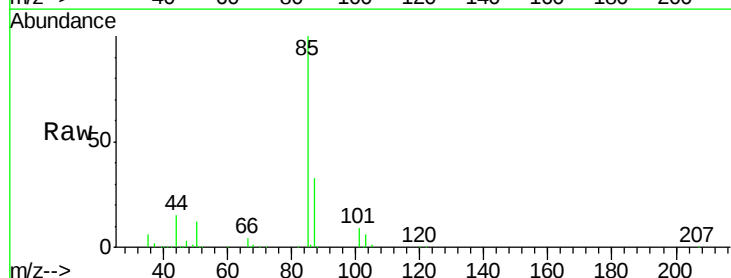
Acq: 05 Dec 2018 11:19

Tgt Ion: 85 Resp: 95601

Ion Ratio Lower Upper

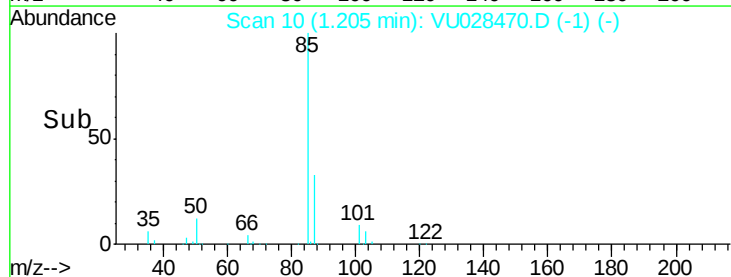
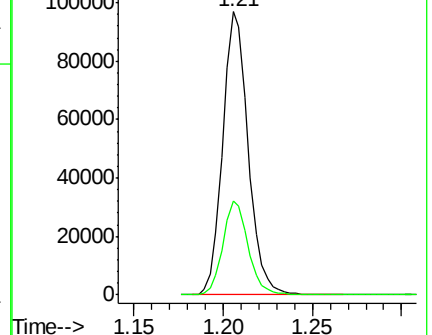
85 100

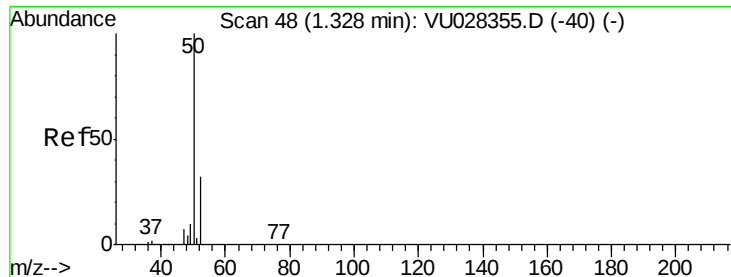
87 33.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VU028355.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028355.D (-3) (-)





#3

Chloromethane

Concen: 18.801 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

Instrument :

MSVOA\_U

ClientSampleId :

VU1205WBS01

Tgt Ion: 50 Resp: 165658

Ion Ratio Lower Upper

50 100

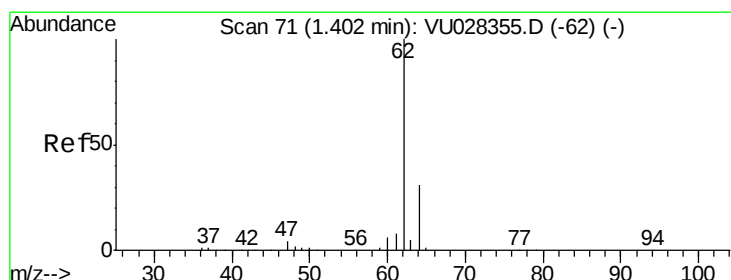
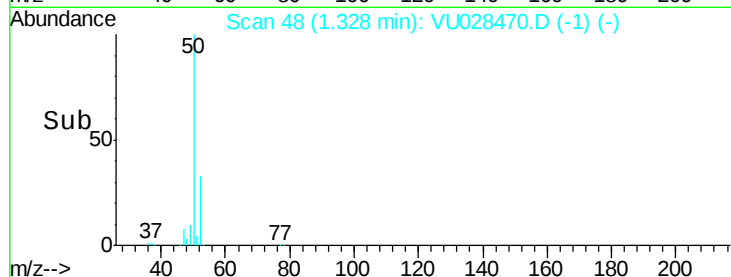
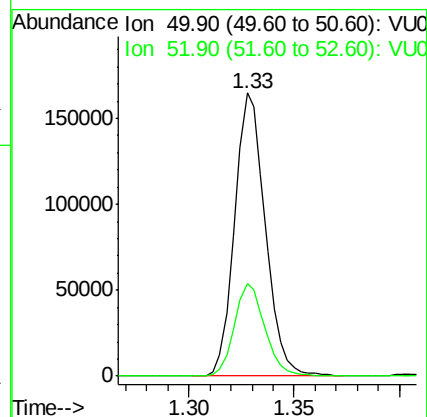
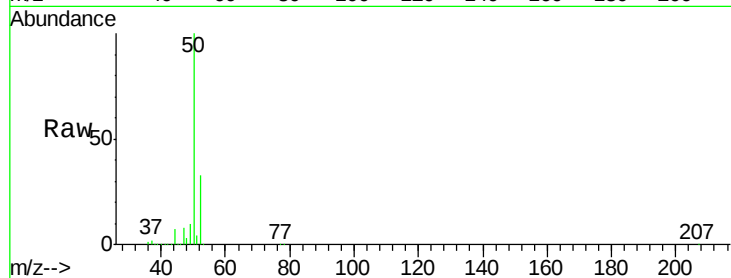
52 32.5 25.4 38.2

Manual Integrations

APPROVED

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12/6/2018 4:53:12 PM



#4

Vinyl Chloride

Concen: 21.122 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028470.D

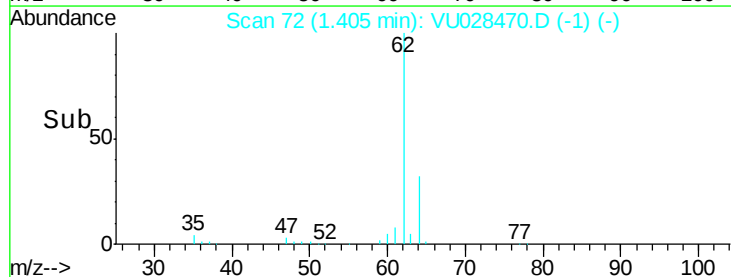
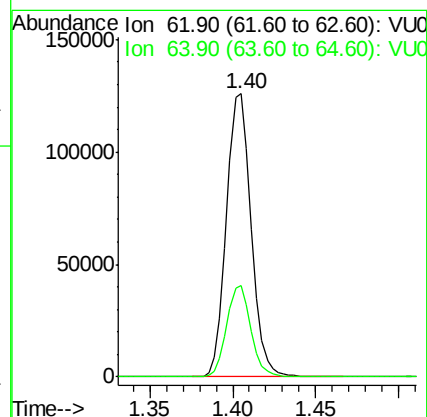
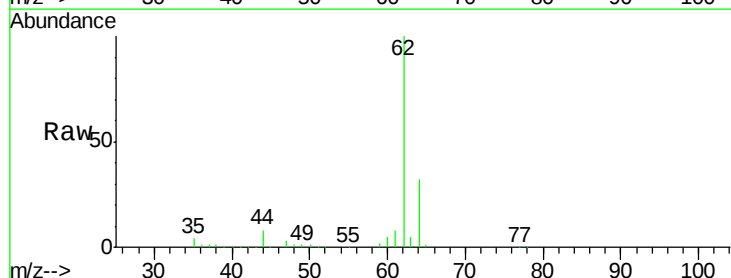
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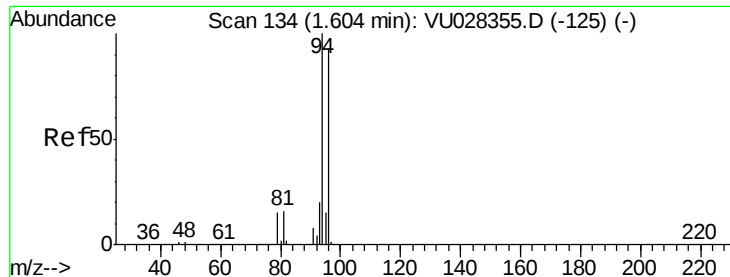
Tgt Ion: 62 Resp: 130212

Ion Ratio Lower Upper

62 100

64 32.1 25.0 37.4





#5

Bromomethane

Concen: 23.775 ug/l

RT: 1.62 min Scan# 140

Delta R.T. 0.02 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

Instrument :

MSVOA\_U

ClientSampleId :

VU1205WBS01

Tgt Ion: 94 Resp: 56687

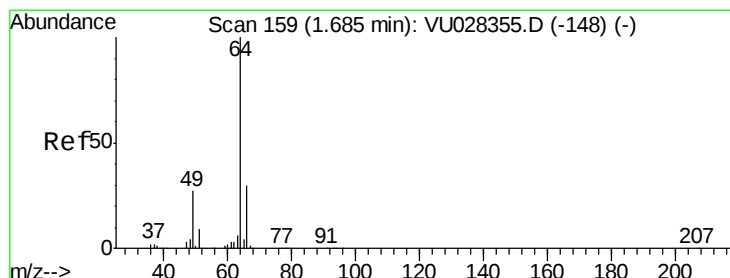
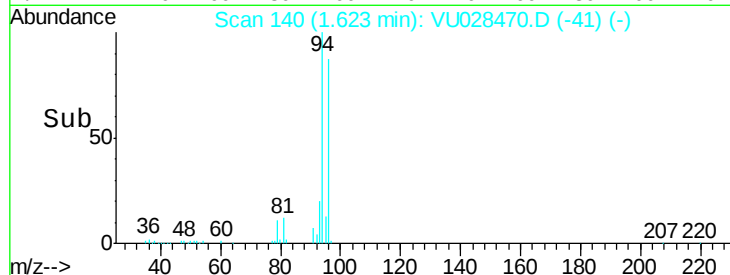
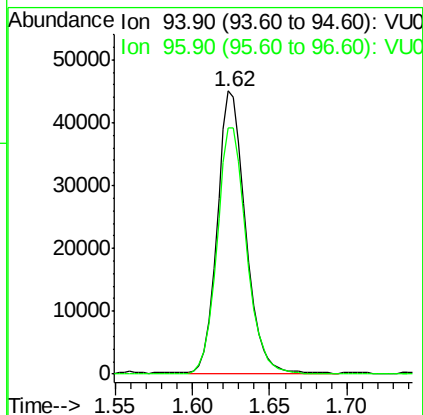
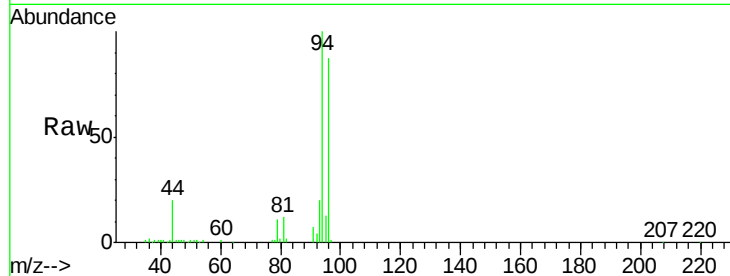
Ion Ratio Lower Upper

94 100

96 87.3 74.6 112.0

Manual Integrations  
APPROVED

MMDadoda  
12/6/2018 4:53:12 PM



#6

Chloroethane

Concen: 21.557 ug/l

RT: 1.70 min Scan# 163

Delta R.T. 0.01 min

Lab File: VU028470.D

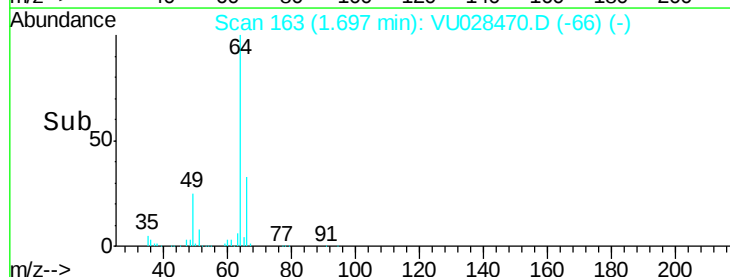
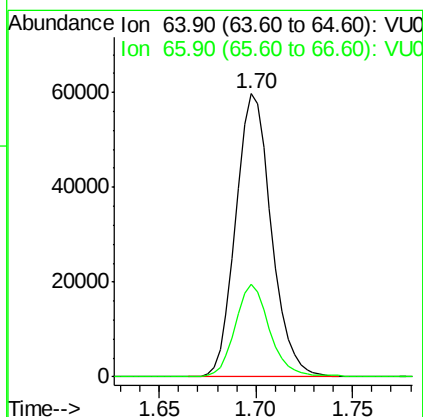
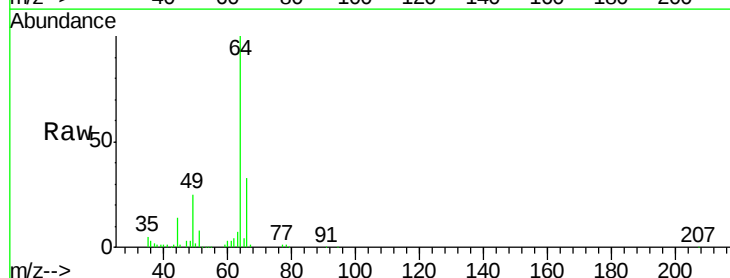
Acq: 05 Dec 2018 11:19

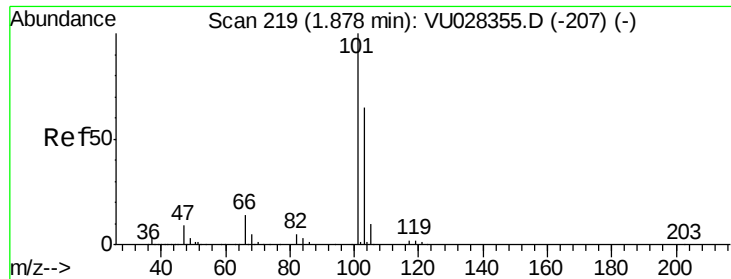
Tgt Ion: 64 Resp: 76471

Ion Ratio Lower Upper

64 100

66 32.6 23.6 35.4





#7

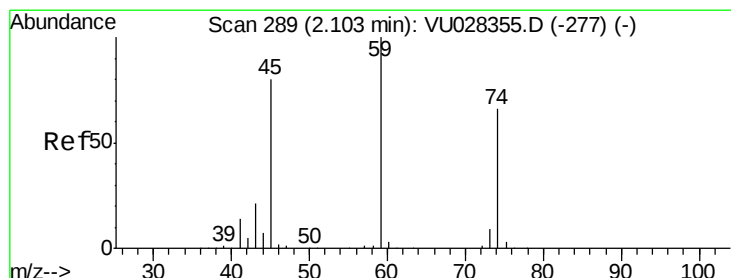
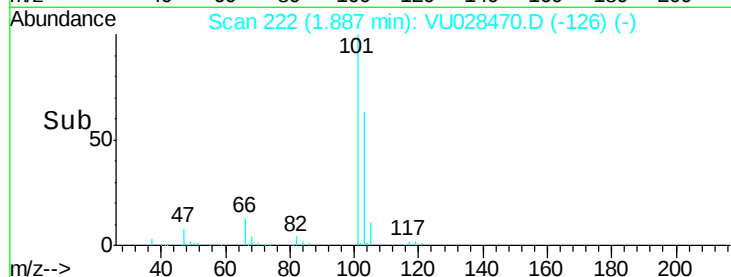
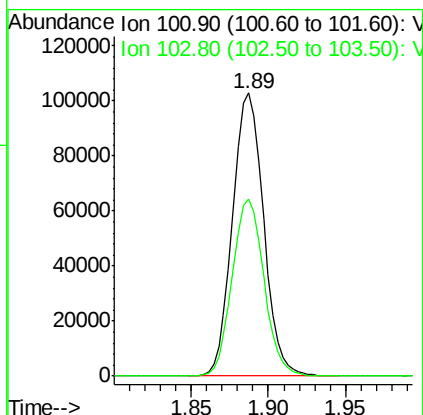
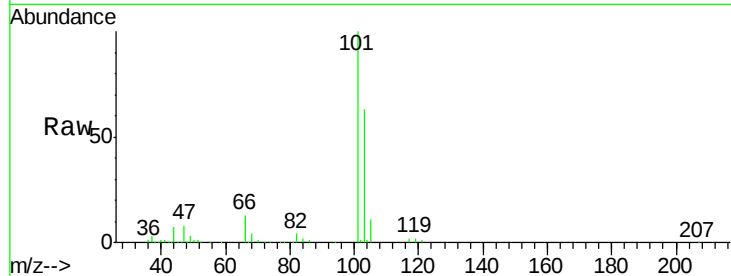
Trichlorofluoromethane  
 Concen: 22.375 ug/l  
 RT: 1.89 min Scan# 222  
 Delta R.T. 0.01 min  
 Lab File: VU028470.D  
 Acq: 05 Dec 2018 11:19

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1205WBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 62.6  | 51.6  | 77.4  |

Manual Integrations  
 APPROVED

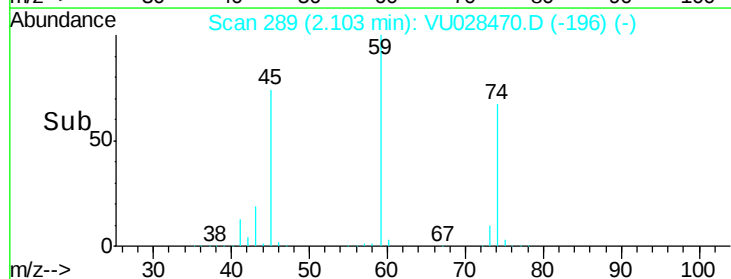
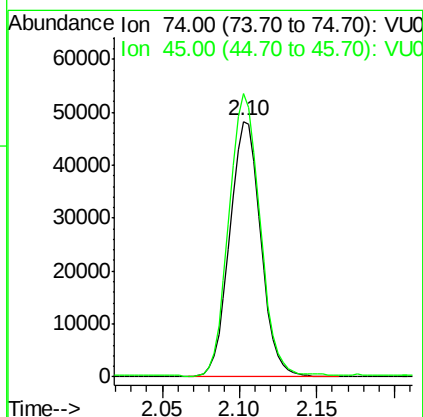
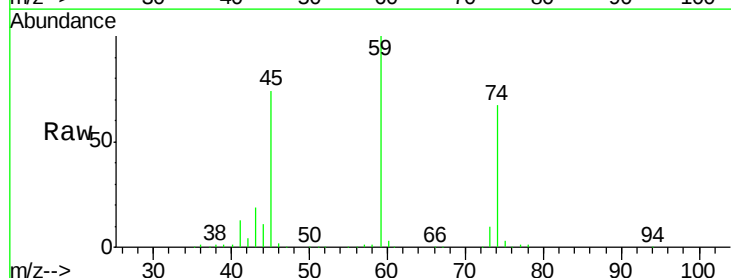
MMDadoda  
 12/6/2018 4:53:12 PM

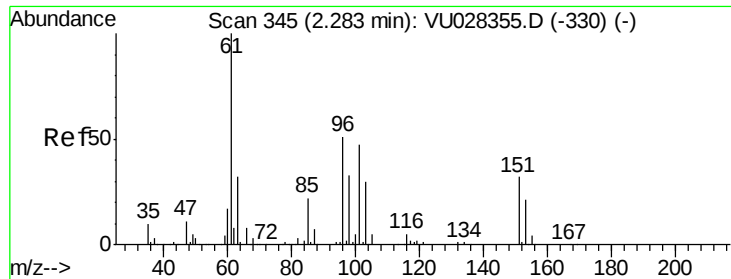


#8

Diethyl Ether  
 Concen: 22.537 ug/l  
 RT: 2.10 min Scan# 289  
 Delta R.T. -0.00 min  
 Lab File: VU028470.D  
 Acq: 05 Dec 2018 11:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 111.1 | 63.0  | 189.1 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.219 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

Instrument :

MSVOA\_U

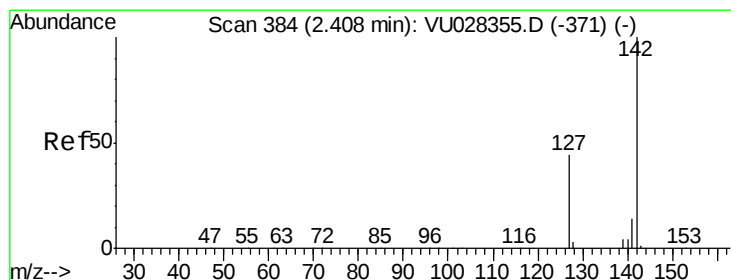
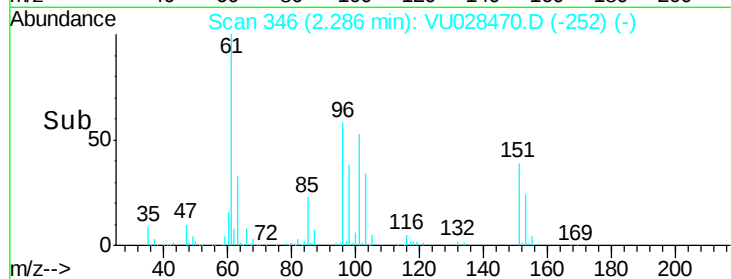
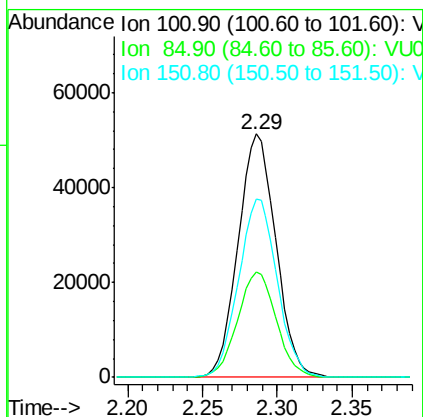
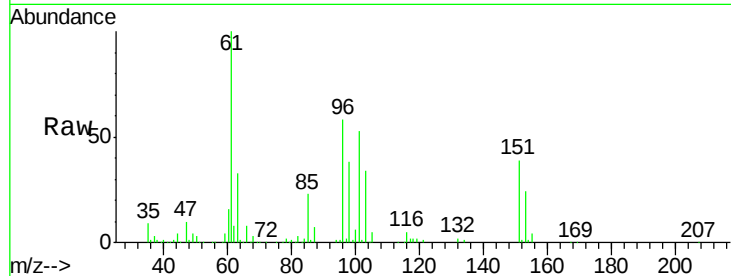
ClientSampleId :

VU1205WBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 101   | Resp: | 90345 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 44.3  | 37.2  | 55.8  |
| 151       | 74.8  | 55.4  | 83.0  |

Manual Integrations  
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MMDadoda  
12/6/2018 4:53:12 PM



#10

Methyl Iodide

Concen: 17.539 ug/l

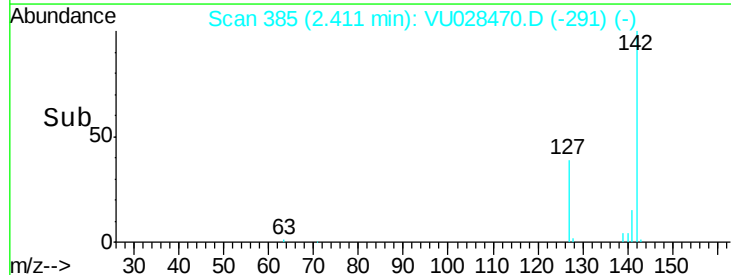
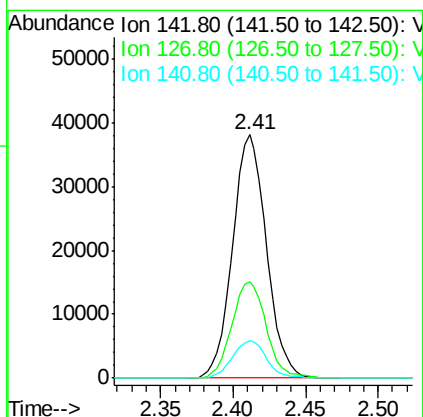
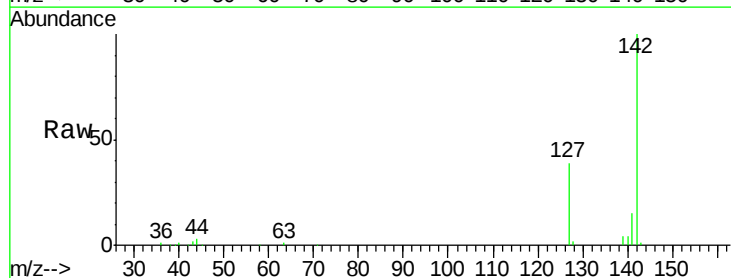
RT: 2.41 min Scan# 385

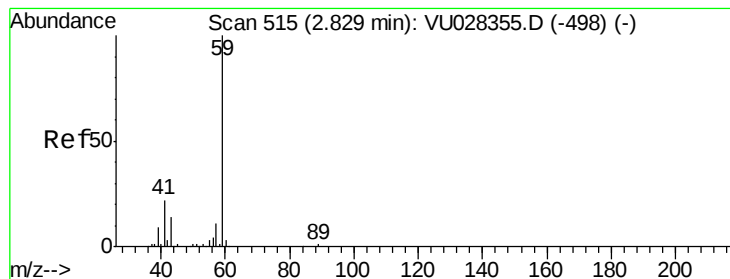
Delta R.T. 0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 61698 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 40.3  | 35.0  | 52.6  |
| 141       | 15.4  | 11.2  | 16.8  |





#11

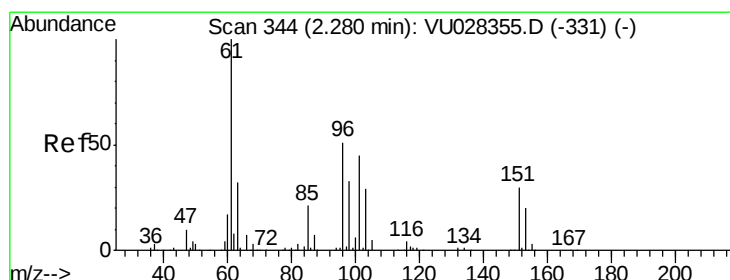
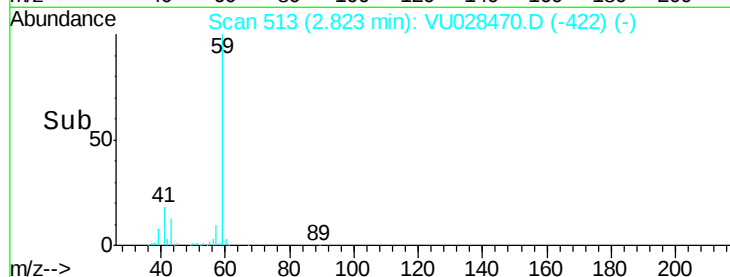
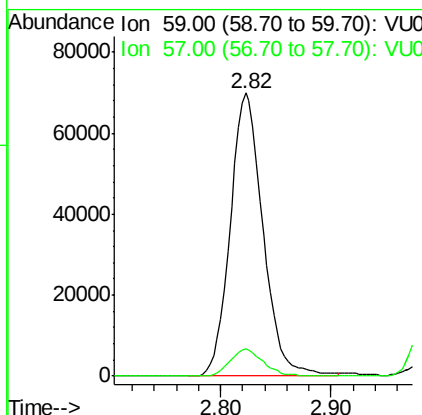
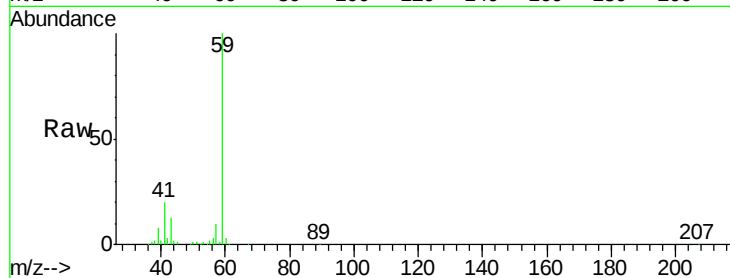
Tert butyl alcohol  
 Concen: 111.919 ug/l  
 RT: 2.82 min Scan# 513  
 Delta R.T. -0.01 min  
 Lab File: VU028470.D  
 Acq: 05 Dec 2018 11:19

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1205WBS01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 59      | 100   | 143991 |       |       |
| 57      | 9.7   |        | 8.3   | 12.5  |

Manual Integrations  
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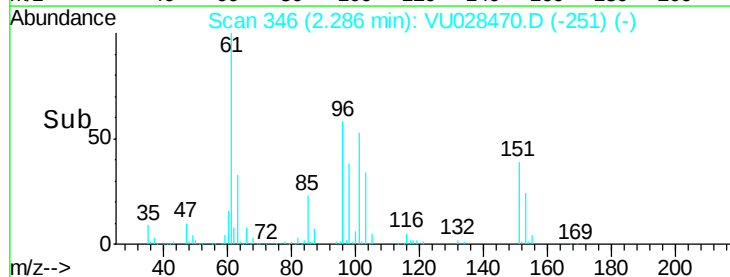
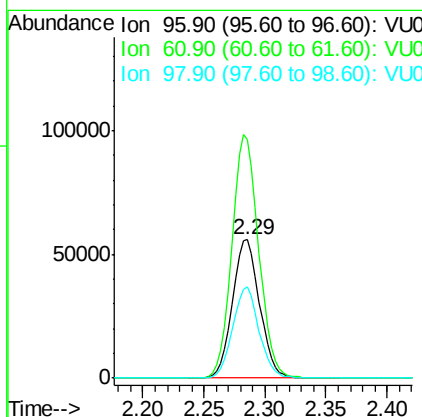
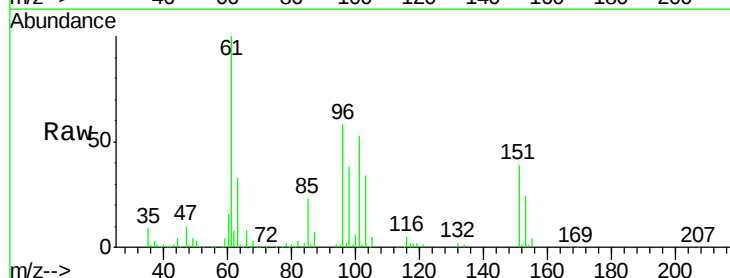
MMDadoda  
 12/6/2018 4:53:12 PM

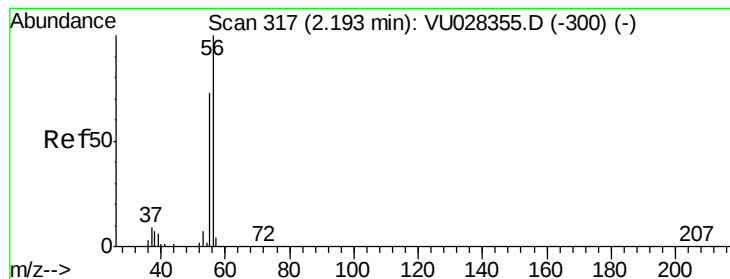


#12

1,1-Dichloroethene  
 Concen: 24.005 ug/l  
 RT: 2.29 min Scan# 346  
 Delta R.T. 0.01 min  
 Lab File: VU028470.D  
 Acq: 05 Dec 2018 11:19

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 96      | 100   | 86900 |       |       |
| 61      | 172.7 |       | 158.1 | 237.1 |
| 98      | 65.9  |       | 51.4  | 77.2  |





#13

Acrolein

Concen: 98.458 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

Instrument :

MSVOA\_U

ClientSampleId :

VU1205WBS01

Tgt Ion: 56 Resp: 112615

Ion Ratio Lower Upper

56 100

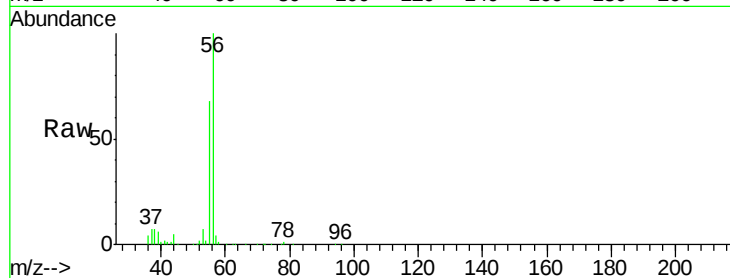
55 69.6 56.6 85.0

Manual Integrations

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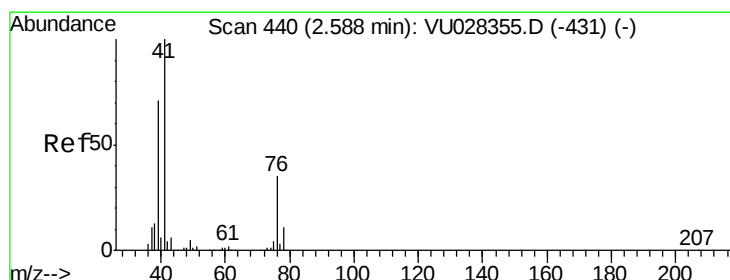
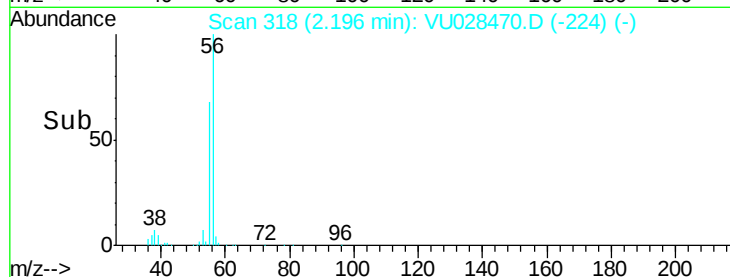
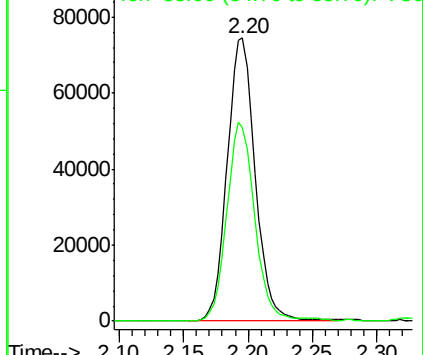
MMDadoda

12/6/2018 4:53:12 PM



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 18.699 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.01 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

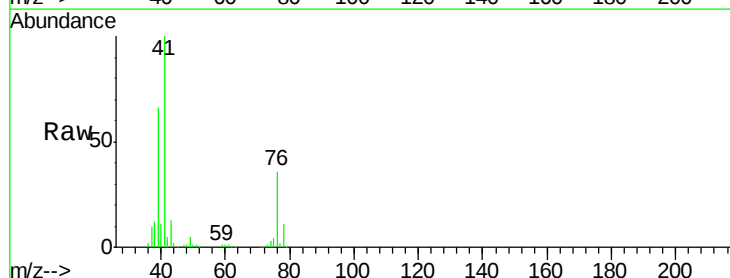
Tgt Ion: 41 Resp: 176860

Ion Ratio Lower Upper

41 100

39 65.2 51.6 77.4

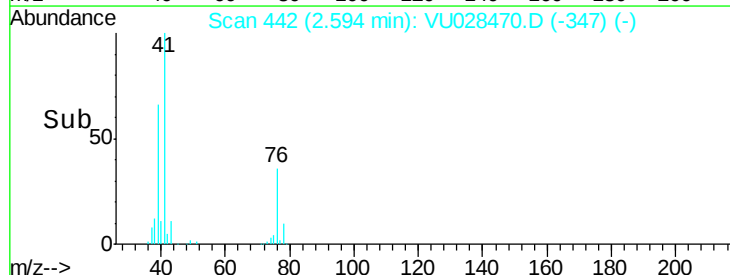
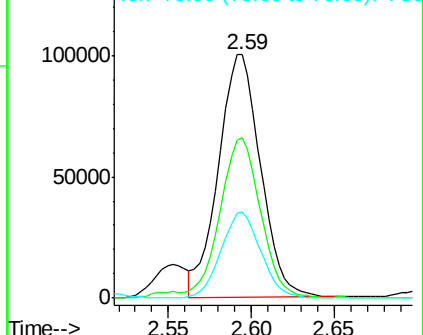
76 33.7 24.4 36.6

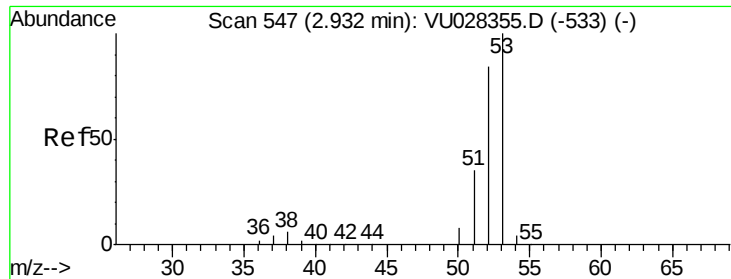


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 101.938 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

Instrument :

MSVOA\_U

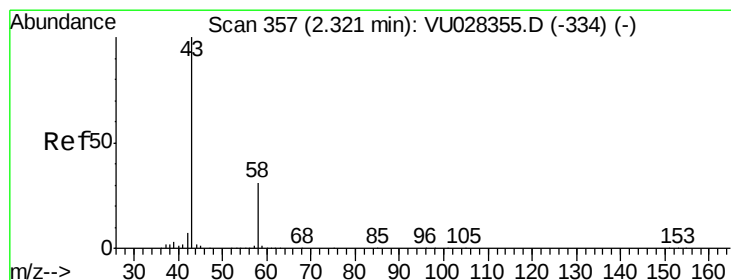
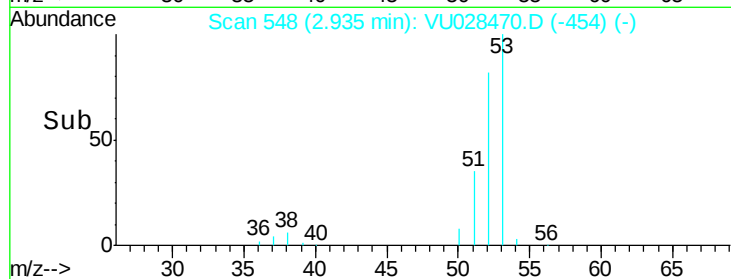
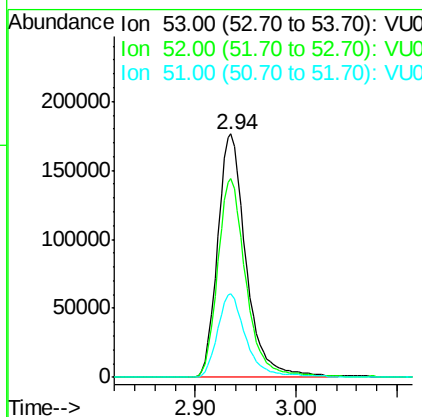
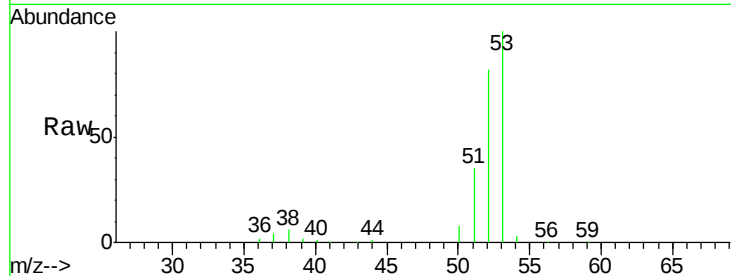
ClientSampleId :

VU1205WBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 53    | Resp: | 346919 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 80.6  | 65.7  | 98.5   |
| 51       | 33.8  | 27.8  | 41.6   |

Manual Integrations  
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MMDadoda  
12/6/2018 4:53:12 PM



#16

Acetone

Concen: 101.236 ug/l

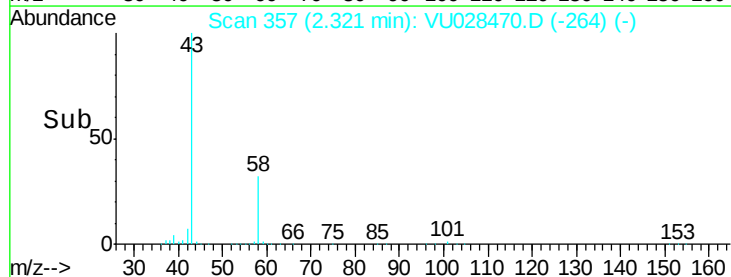
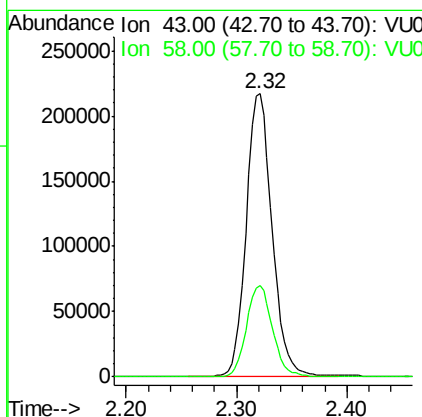
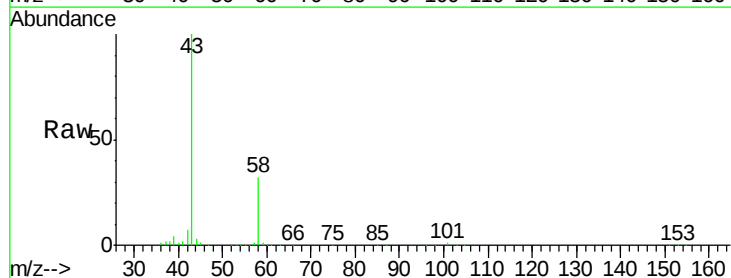
RT: 2.32 min Scan# 357

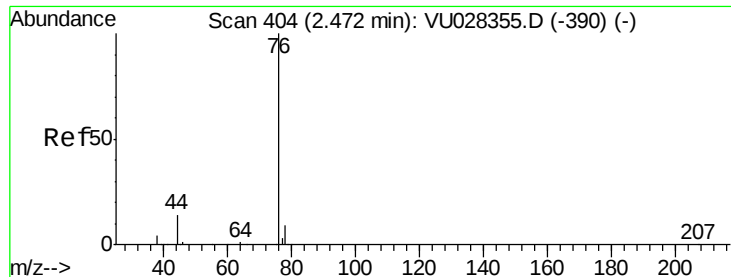
Delta R.T. -0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 350712 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 32.4  | 24.4  | 36.6   |





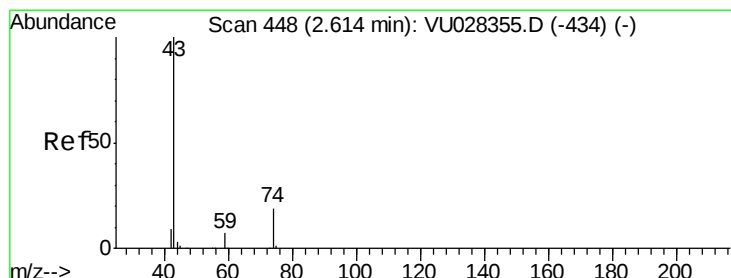
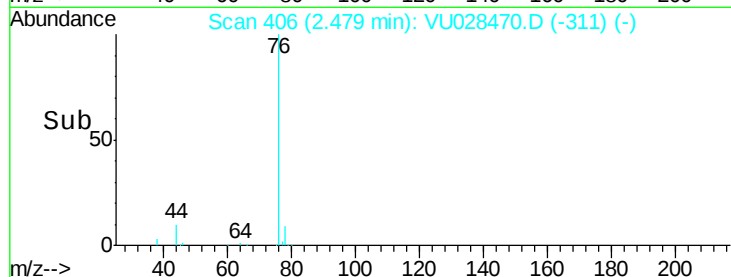
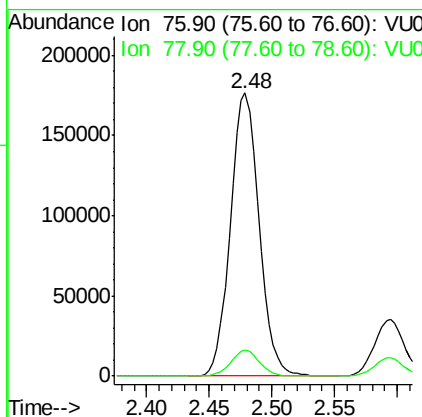
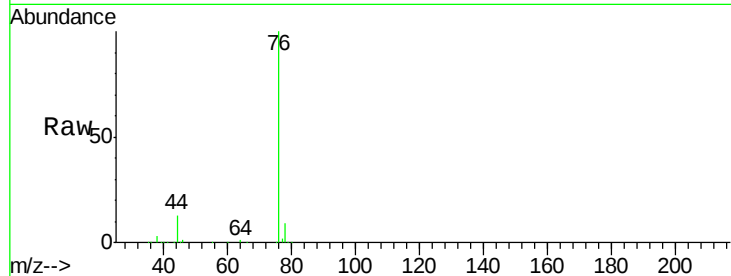
#17  
Carbon Disulfide  
Concen: 20.170 ug/l  
RT: 2.48 min Scan# 406  
Delta R.T. 0.01 min  
Lab File: VU028470.D  
Acq: 05 Dec 2018 11:19

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1205WBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.1   | 7.4   | 11.2  |

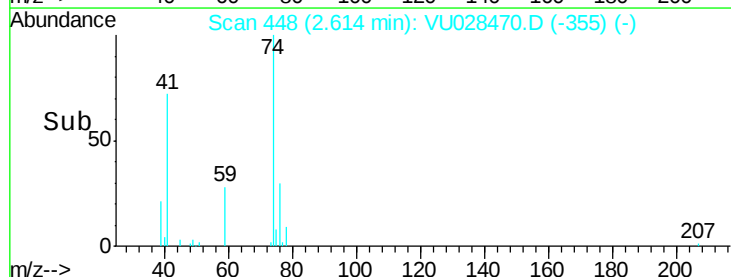
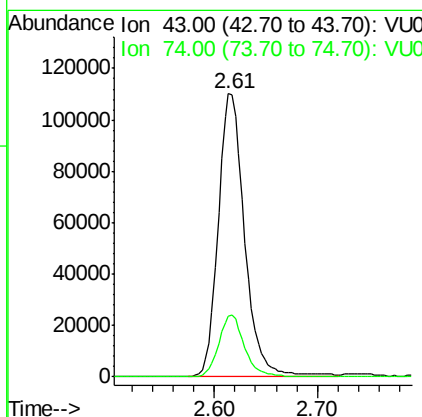
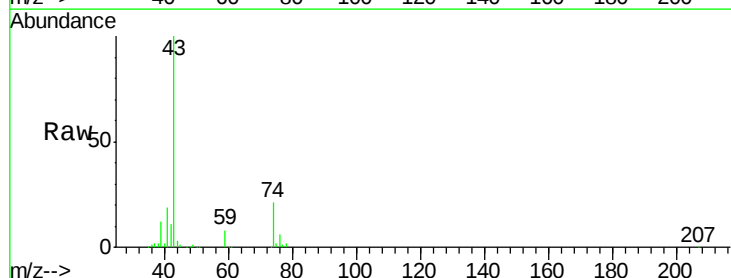
Manual Integrations  
APPROVED

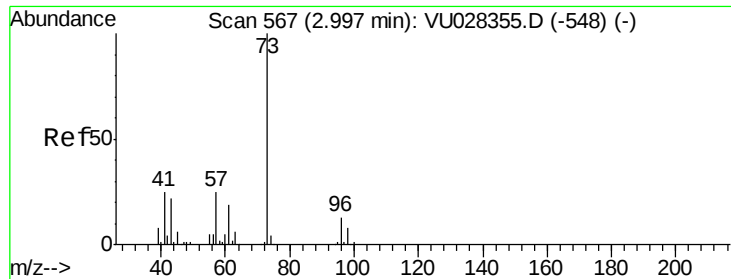
MMDadoda  
12/6/2018 4:53:12 PM



#18  
Methyl Acetate  
Concen: 20.229 ug/l  
RT: 2.61 min Scan# 448  
Delta R.T. -0.00 min  
Lab File: VU028470.D  
Acq: 05 Dec 2018 11:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 21.3  | 15.3  | 22.9  |





#19

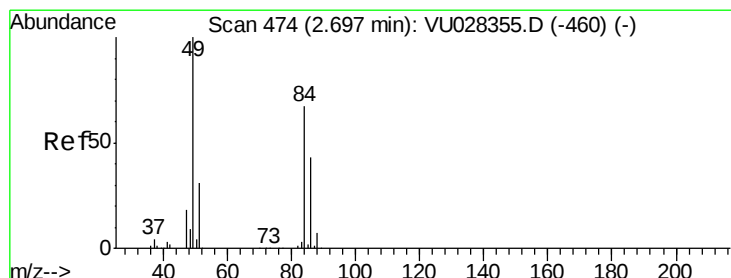
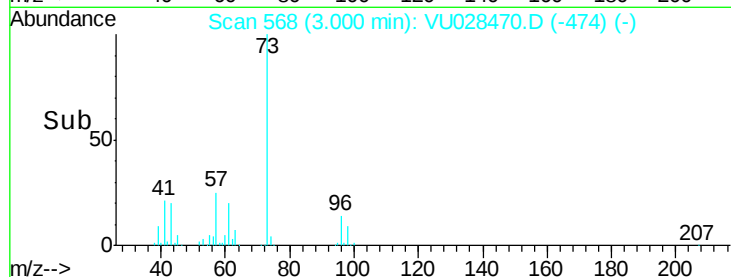
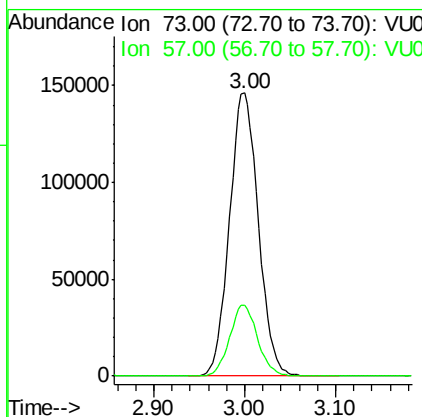
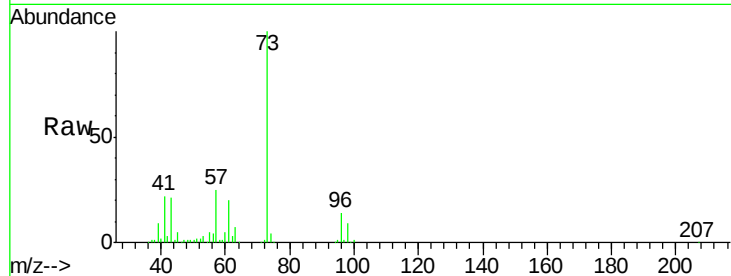
Methyl tert-butyl Ether  
 Concen: 21.705 ug/l  
 RT: 3.00 min Scan# 568  
 Delta R.T. 0.00 min  
 Lab File: VU028470.D  
 Acq: 05 Dec 2018 11:19

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1205WBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 24.8  | 20.1  | 30.1  |

Manual Integrations  
 APPROVED

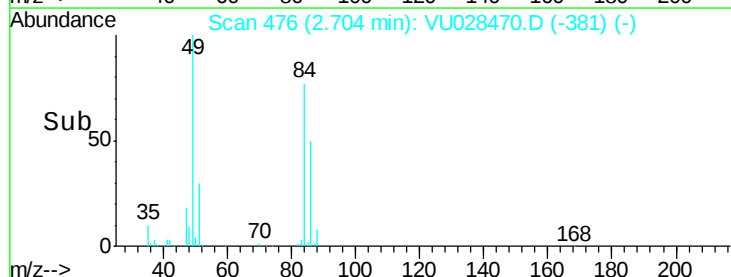
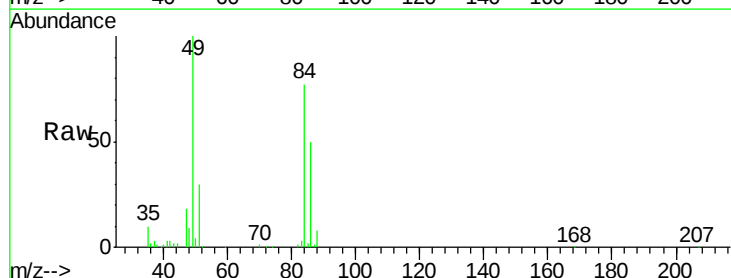
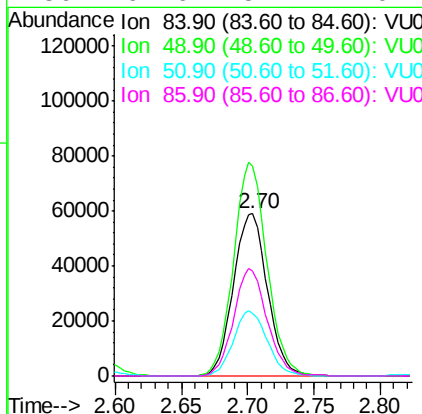
MMDadoda  
 12/6/2018 4:53:12 PM

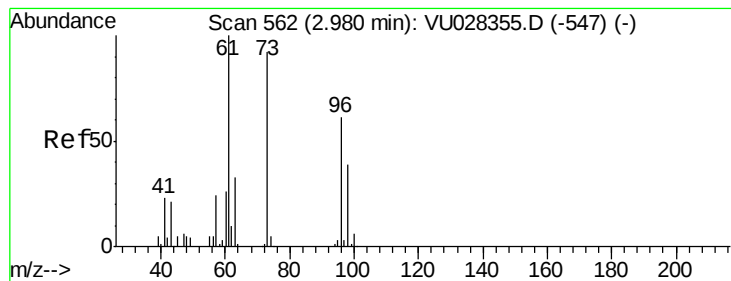


#20

Methylene Chloride  
 Concen: 21.459 ug/l  
 RT: 2.70 min Scan# 476  
 Delta R.T. 0.01 min  
 Lab File: VU028470.D  
 Acq: 05 Dec 2018 11:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 129.3 | 120.0 | 180.0 |
| 51      | 38.9  | 36.9  | 55.3  |
| 86      | 64.6  | 51.1  | 76.7  |





#21

trans-1,2-Dichloroethene

Concen: 22.608 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

Instrument :

MSVOA\_U

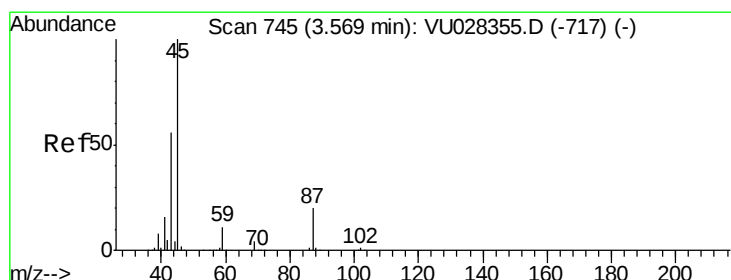
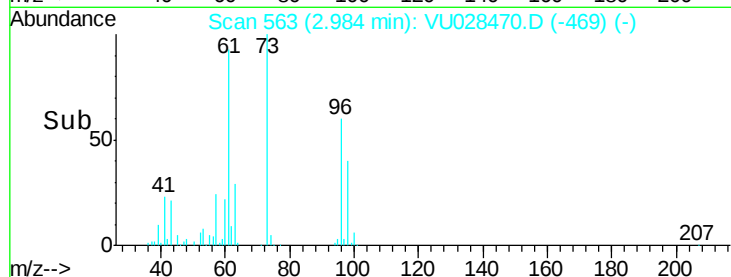
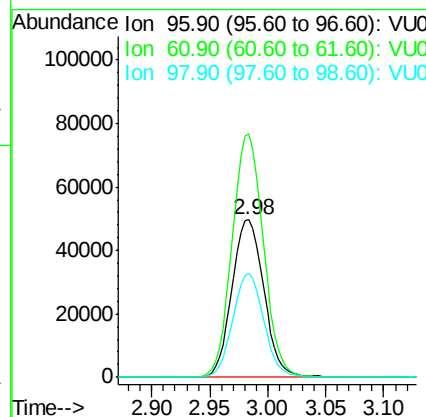
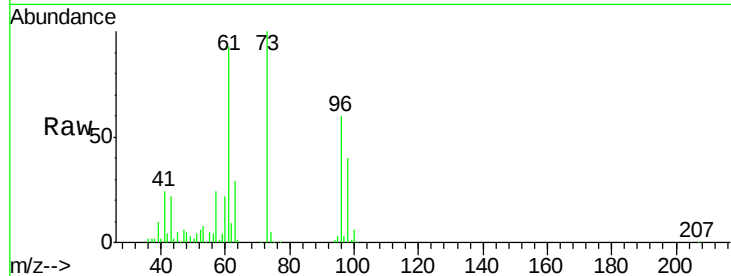
ClientSampleId :

VU1205WBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 94915 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 154.8 | 131.1 | 196.7 |
| 98       | 66.0  | 51.7  | 77.5  |

Manual Integrations  
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MMDadoda  
12/6/2018 4:53:12 PM



#22

Diisopropyl ether

Concen: 19.728 ug/l

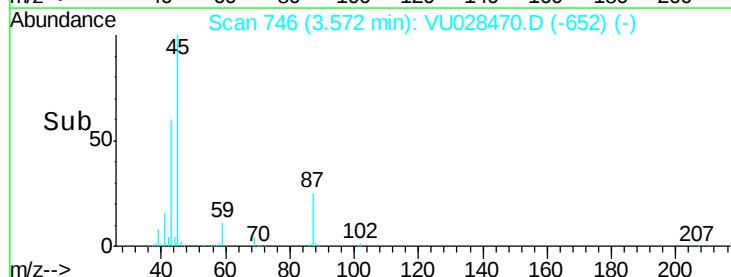
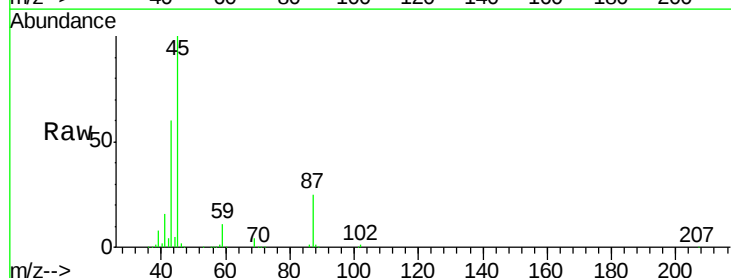
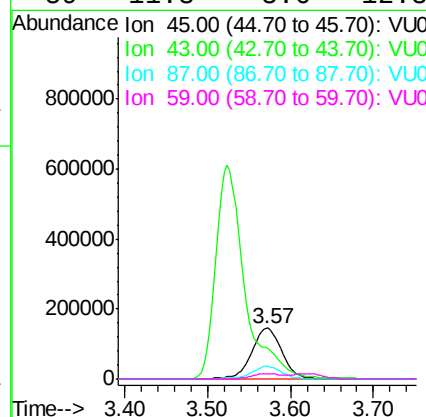
RT: 3.57 min Scan# 746

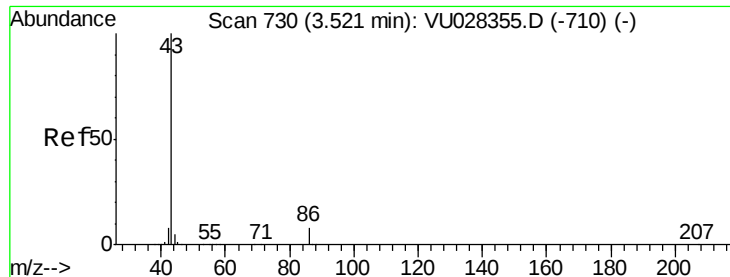
Delta R.T. 0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 367349 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 59.6  | 44.8  | 67.2   |
| 87       | 24.8  | 16.3  | 24.5#  |
| 59       | 11.3  | 8.6   | 12.8   |





#23

Vinyl Acetate

Concen: 96.289 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

Instrument :

MSVOA\_U

ClientSampleId :

VU1205WBS01

Tgt Ion: 43 Resp: 1490352

Ion Ratio Lower Upper

43 100

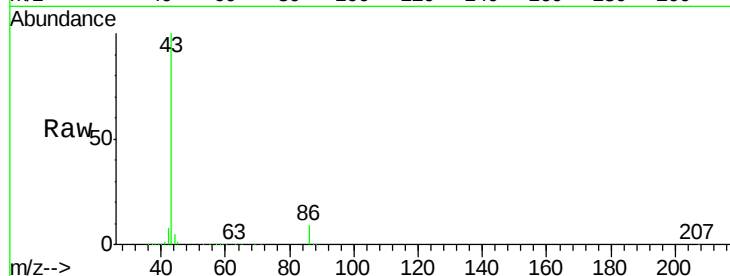
86 9.0 6.5 9.7

Manual Integrations

APPROVED

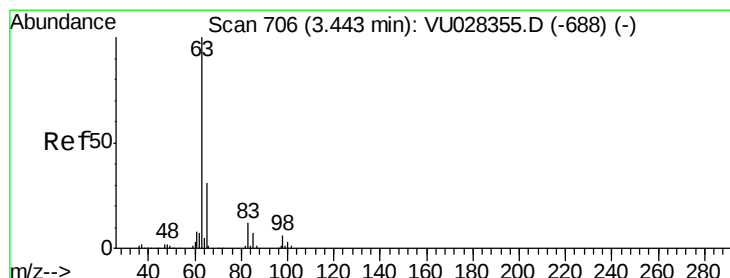
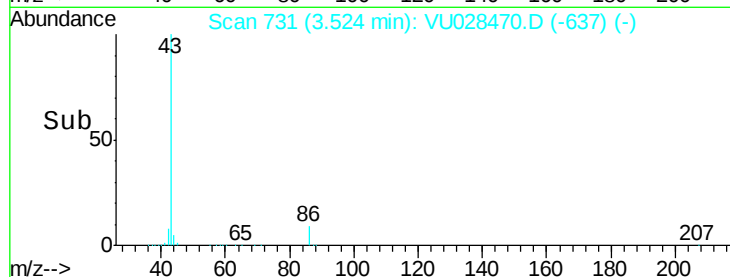
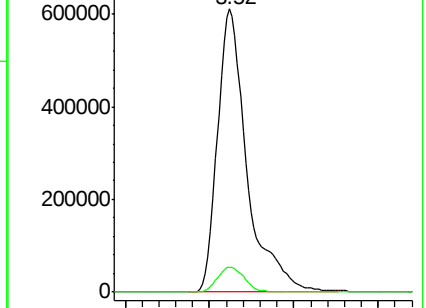
MMDadoda

12/6/2018 4:53:12 PM



Abundance Ion 43.00 (42.70 to 43.70): VU028470.D (-637) (-)

Ion 86.00 (85.70 to 86.70): VU028470.D (-637) (-)



#24

1,1-Dichloroethane

Concen: 20.810 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

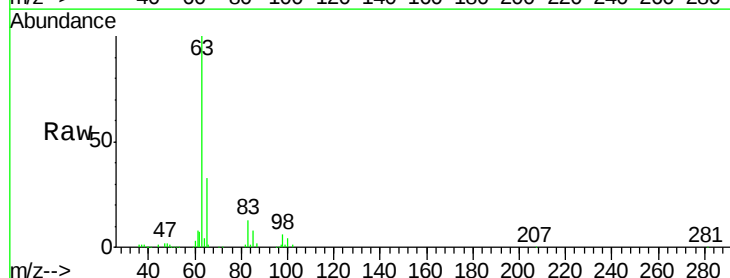
Tgt Ion: 63 Resp: 191048

Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.6

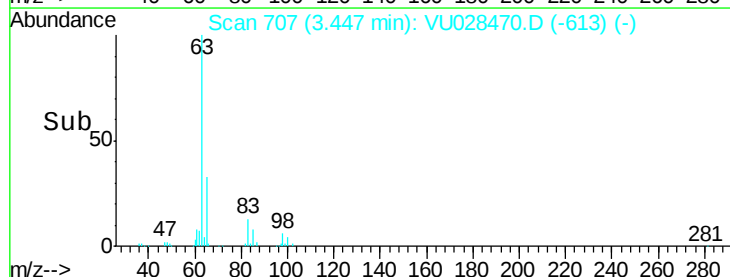
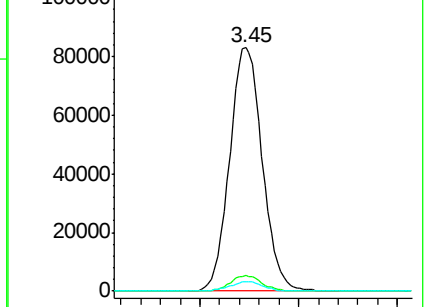
100 3.9 1.7 5.1

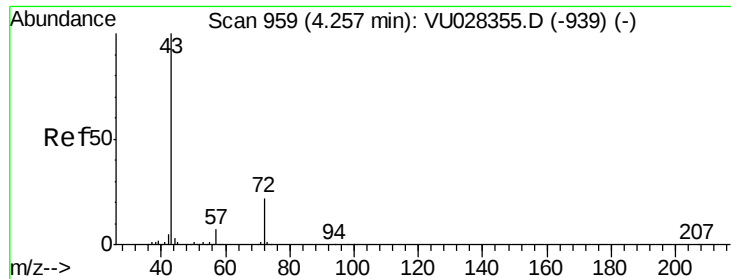


Abundance Ion 62.90 (62.60 to 63.60): VU028470.D (-613) (-)

Ion 97.90 (97.60 to 98.60): VU028470.D (-613) (-)

Ion 99.90 (99.60 to 100.60): VU028470.D (-613) (-)





#25

2-Butanone

Concen: 98.647 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

Instrument :

MSVOA\_U

ClientSampleId :

VU1205WBS01

Tgt Ion: 43 Resp: 489769

Ion Ratio Lower Upper

43 100

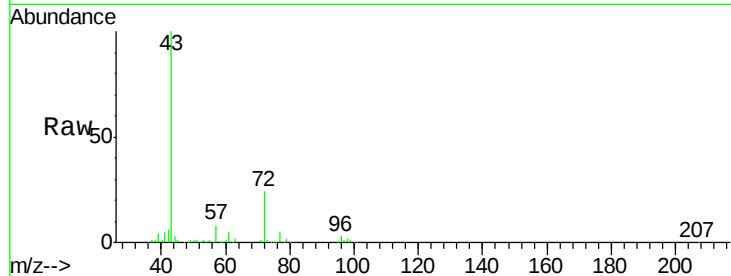
72 23.9 17.7 26.5

Manual Integrations

APPROVED

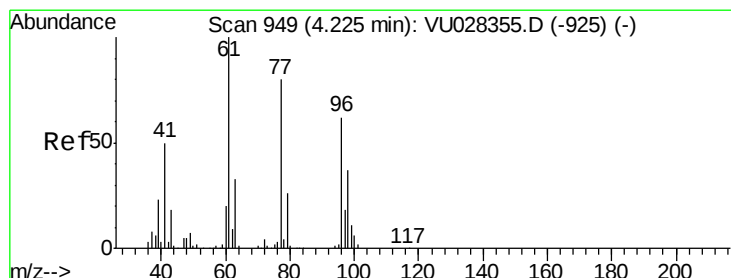
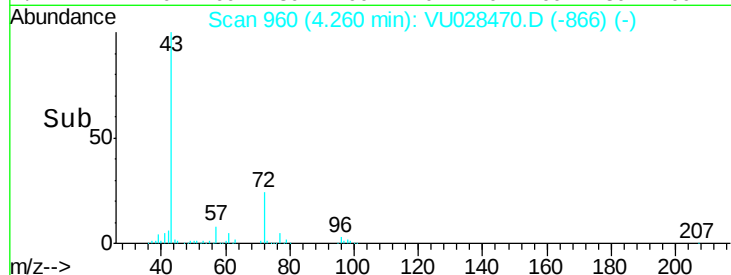
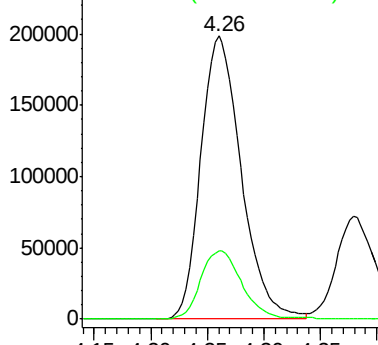
MMDadoda

12/6/2018 4:53:12 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 21.597 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028470.D

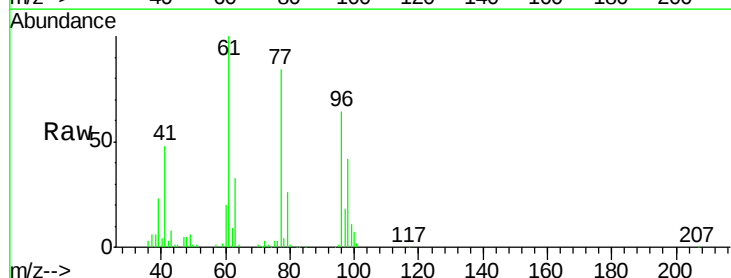
Acq: 05 Dec 2018 11:19

Tgt Ion: 77 Resp: 157470

Ion Ratio Lower Upper

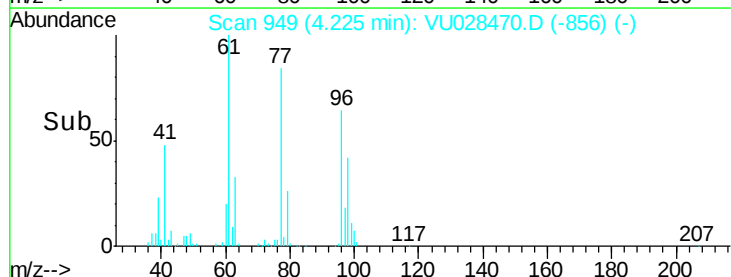
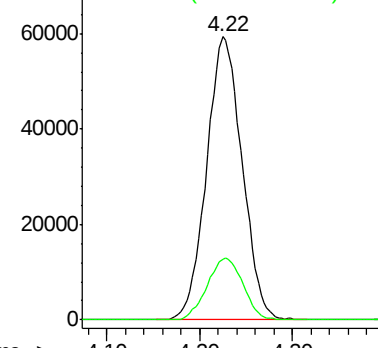
77 100

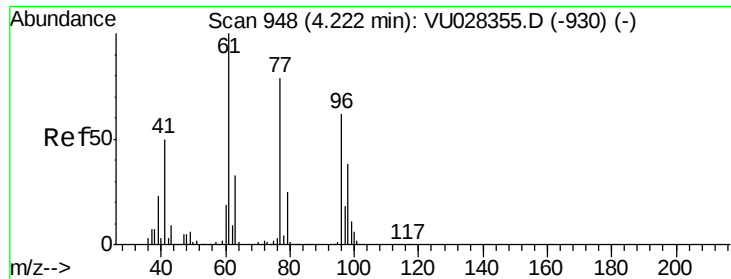
97 22.0 10.7 32.1



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

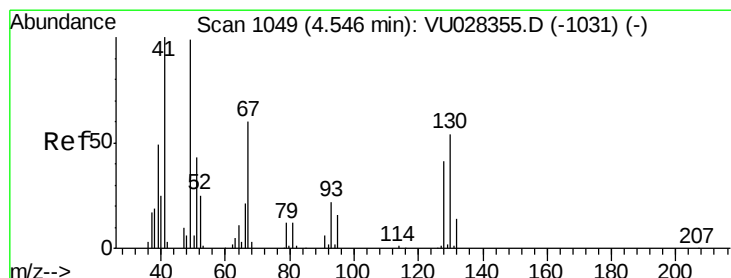
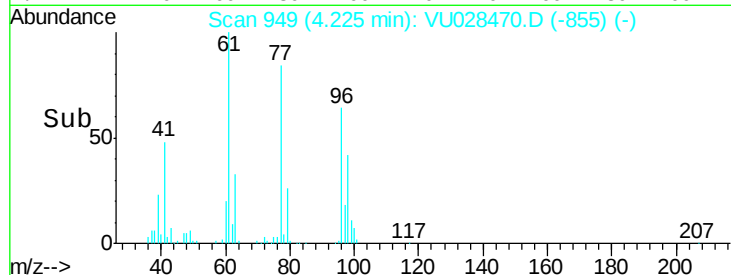
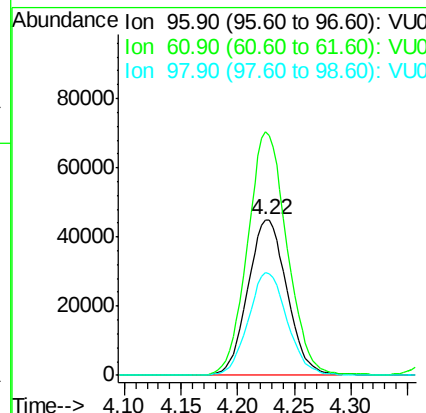
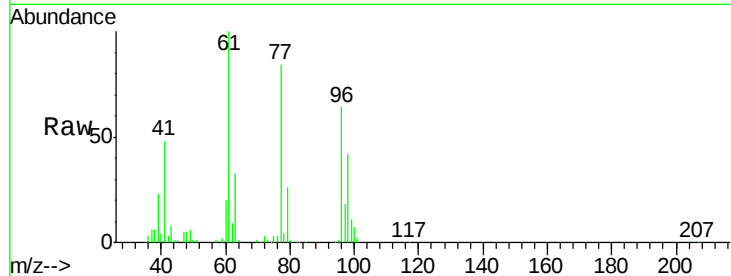
cis-1,2-Dichloroethene  
Concen: 21.804 ug/l  
RT: 4.22 min Scan# 949  
Delta R.T. 0.00 min  
Lab File: VU028470.D  
Acq: 05 Dec 2018 11:19

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1205WBS01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 108261 |       |       |
| 61      | 158.2 | 0.0    | 342.0 |       |
| 98      | 65.7  | 0.0    | 126.4 |       |

Manual Integrations  
APPROVED

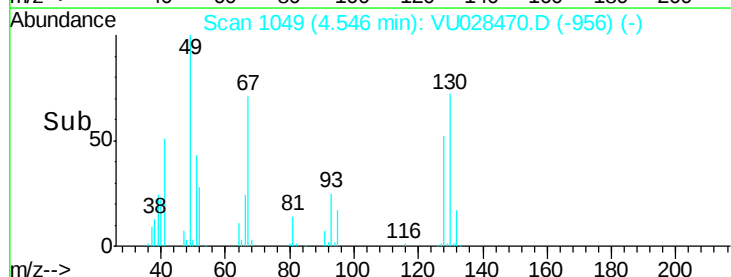
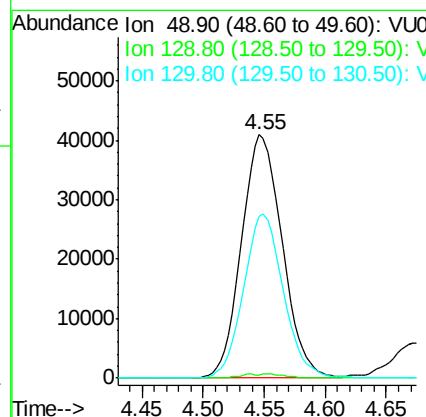
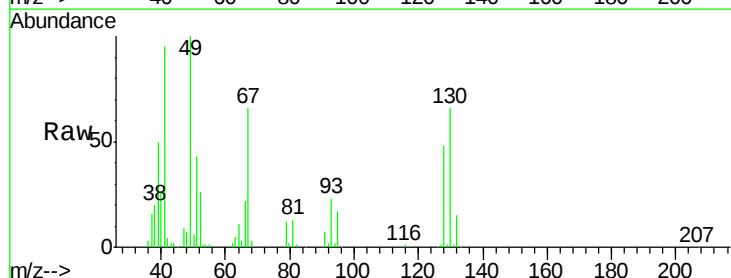
MMDadoda  
12/6/2018 4:53:12 PM

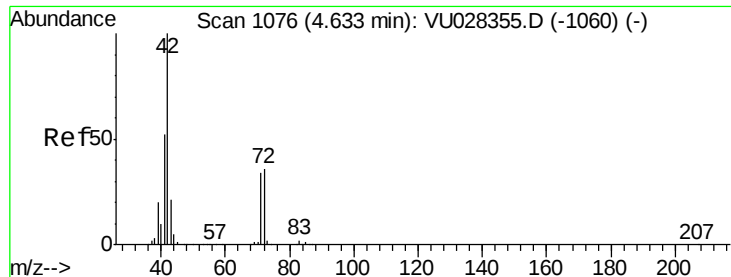


#28

Bromochloromethane  
Concen: 20.656 ug/l  
RT: 4.55 min Scan# 1049  
Delta R.T. -0.00 min  
Lab File: VU028470.D  
Acq: 05 Dec 2018 11:19

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 49      | 100   | 94824 |       |       |
| 129     | 0.8   | 0.0   | 2.6   |       |
| 130     | 65.2  | 44.5  | 66.7  |       |





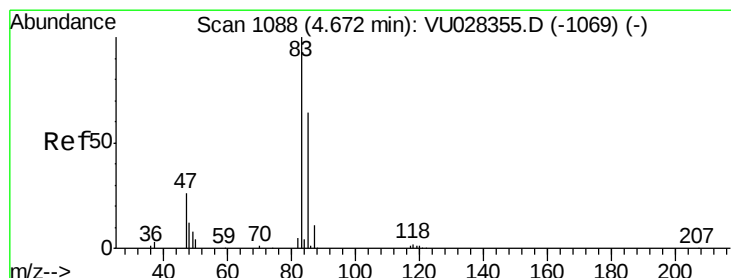
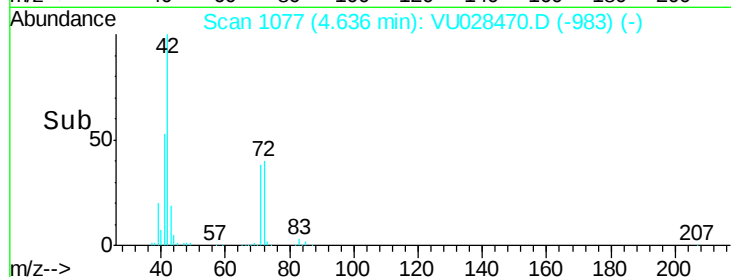
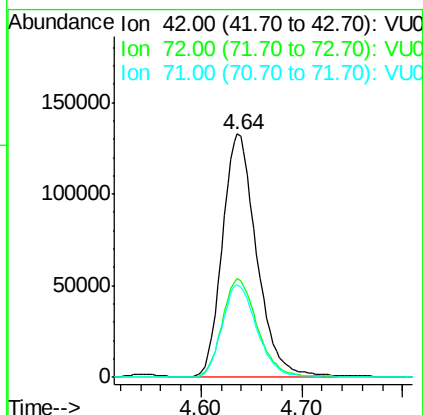
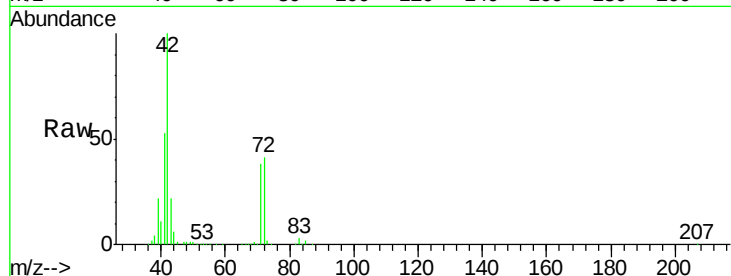
#29  
Tetrahydrofuran  
Concen: 96.988 ug/l  
RT: 4.64 min Scan# 1077  
Delta R.T. 0.00 min  
Lab File: VU028470.D  
Acq: 05 Dec 2018 11:19

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1205WBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 41.7  | 29.5  | 44.3  |
| 71      | 38.9  | 27.7  | 41.5  |

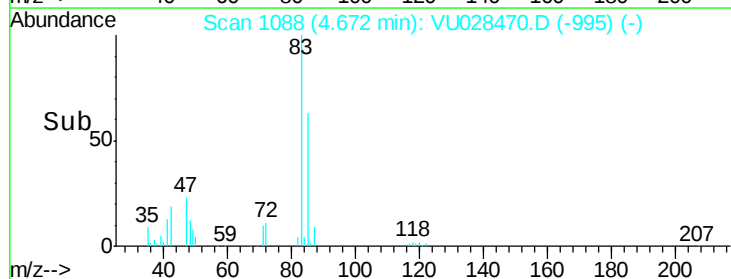
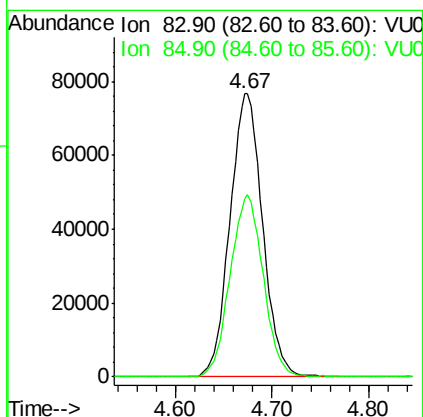
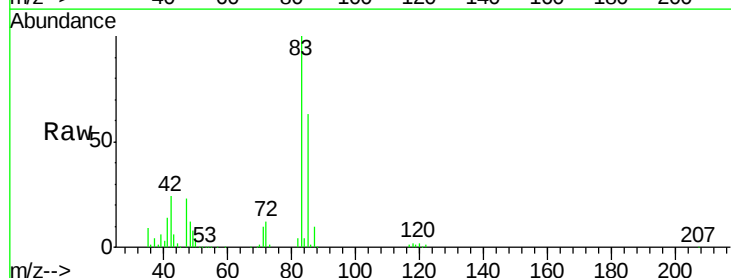
Manual Integrations  
APPROVED

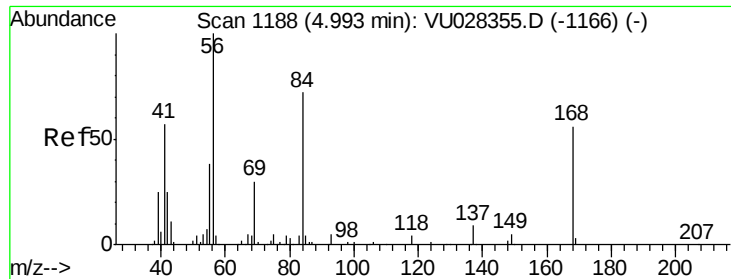
MMDadoda  
12/6/2018 4:53:12 PM



#30  
Chloroform  
Concen: 21.190 ug/l  
RT: 4.67 min Scan# 1088  
Delta R.T. -0.00 min  
Lab File: VU028470.D  
Acq: 05 Dec 2018 11:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 63.0  | 51.2  | 76.8  |





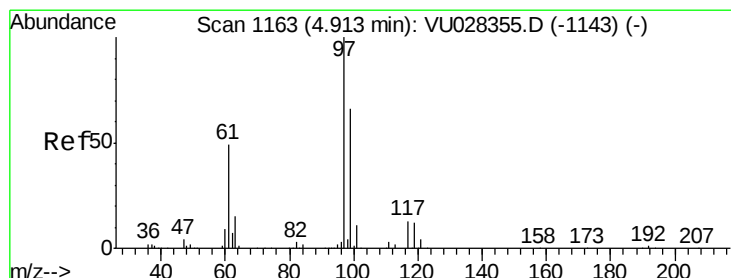
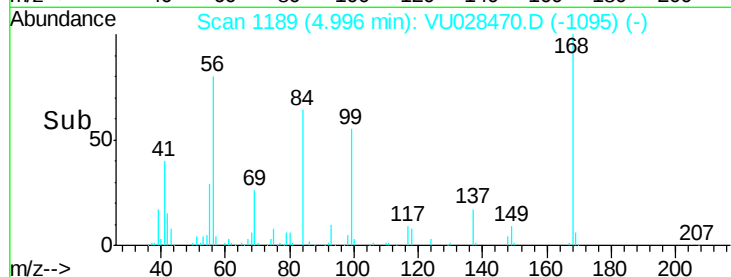
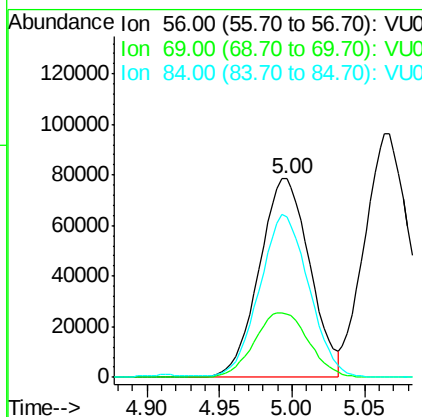
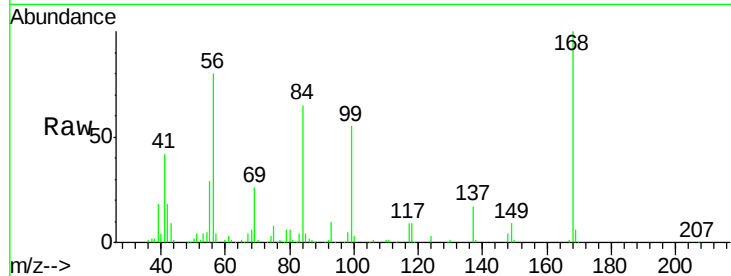
#31  
Cyclohexane  
Concen: 19.983 ug/l  
RT: 5.00 min Scan# 1189  
Delta R.T. 0.00 min  
Lab File: VU028470.D  
Acq: 05 Dec 2018 11:19

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1205WBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 32.1  | 23.7  | 35.5  |
| 84      | 80.1  | 57.3  | 85.9  |

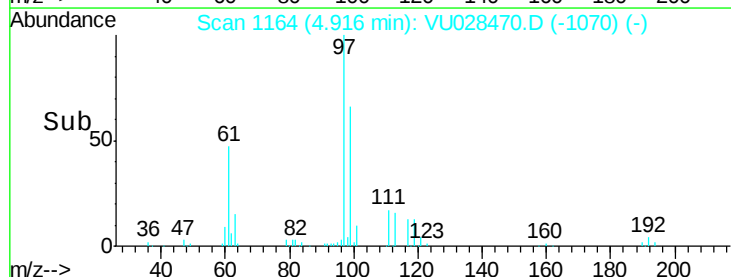
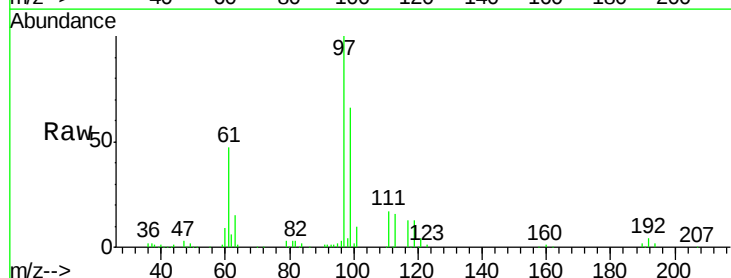
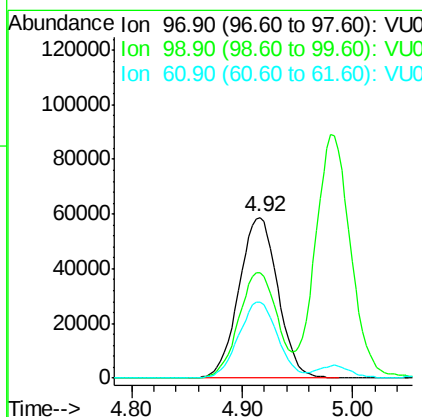
Manual Integrations  
APPROVED

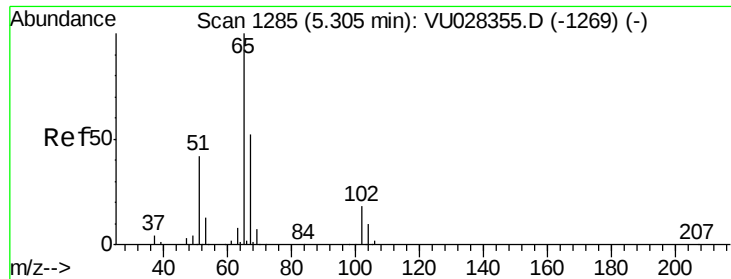
MMDadoda  
12/6/2018 4:53:12 PM



#32  
1,1,1-Trichloroethane  
Concen: 21.188 ug/l  
RT: 4.92 min Scan# 1164  
Delta R.T. 0.00 min  
Lab File: VU028470.D  
Acq: 05 Dec 2018 11:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.6  | 50.8  | 76.2  |
| 61      | 47.3  | 39.1  | 58.7  |





#33

1,2-Dichloroethane-d4

Concen: 51.214 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

Instrument :

MSVOA\_U

ClientSampleId :

VU1205WBS01

Tgt Ion: 65 Resp: 290033

Ion Ratio Lower Upper

65 100

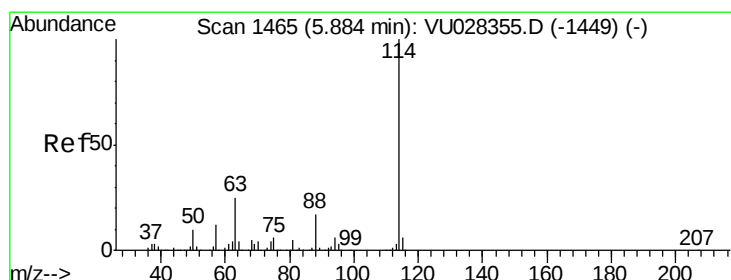
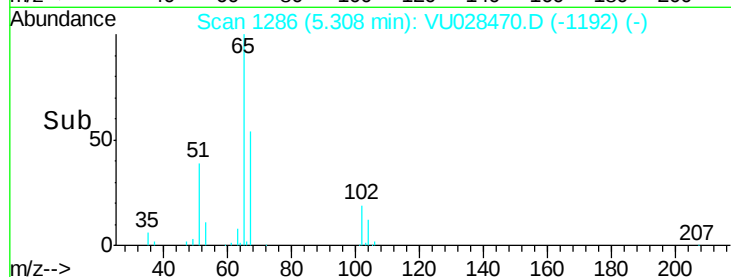
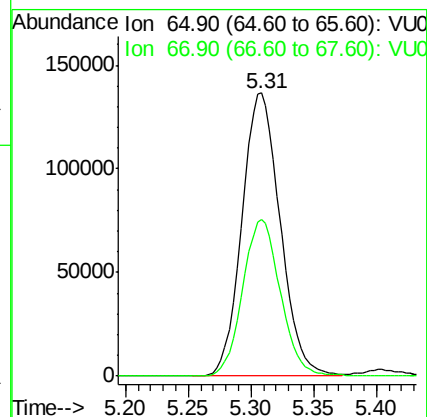
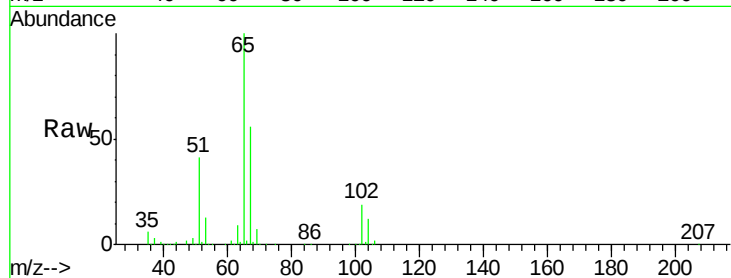
67 54.5 0.0 106.8

Manual Integrations

APPROVED

MMDadoda

12/6/2018 4:53:12 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.88 min Scan# 1465

Delta R.T. -0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

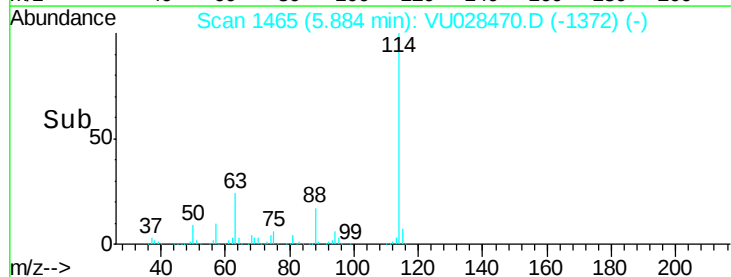
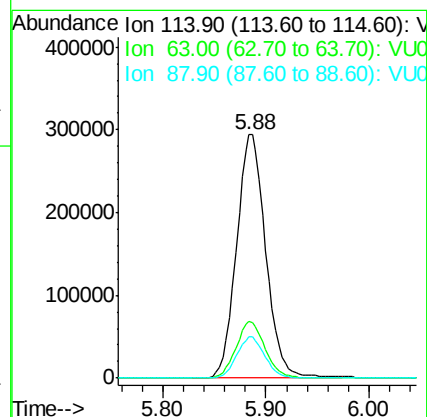
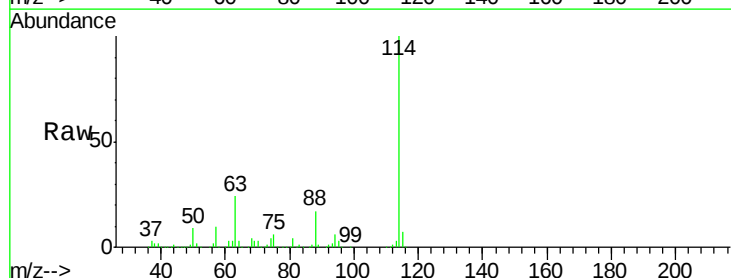
Tgt Ion: 114 Resp: 580033

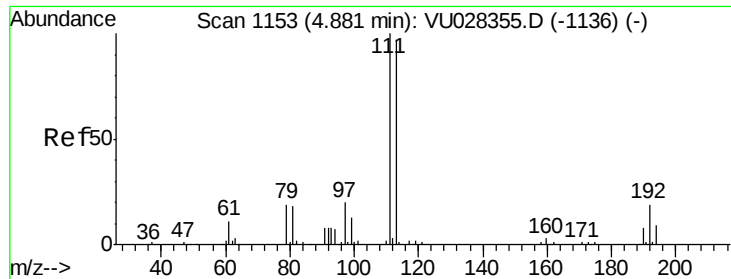
Ion Ratio Lower Upper

114 100

63 23.5 0.0 50.0

88 16.8 0.0 34.4





#35

Dibromofluoromethane

Concen: 57.577 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

Instrument :

MSVOA\_U

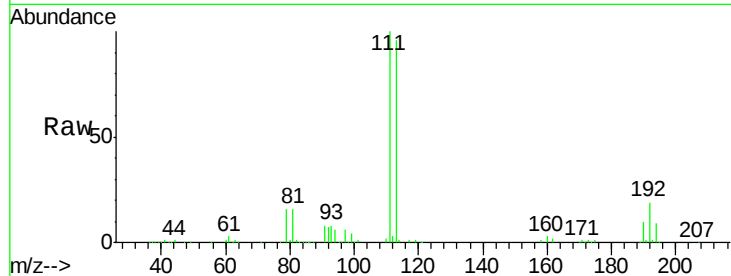
ClientSampleId :

VU1205WBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 113   | Resp: | 222075 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 103.2 | 82.9  | 124.3  |
| 192       | 19.8  | 15.4  | 23.0   |

Manual Integrations  
APPROVED

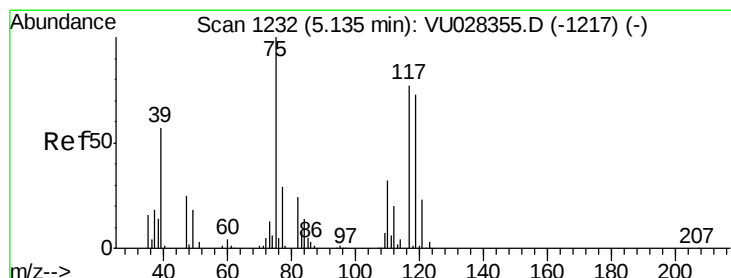
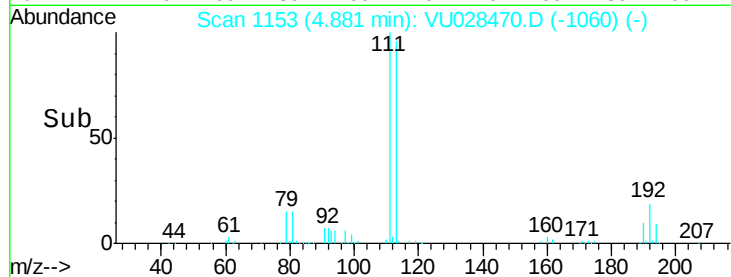
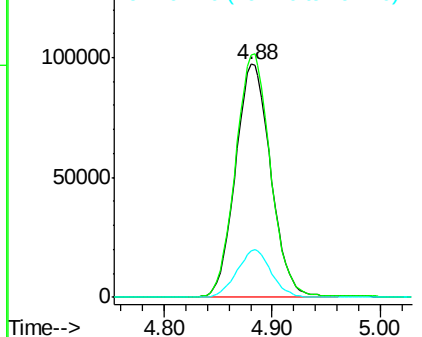
MMDadoda  
12/6/2018 4:53:12 PM



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 21.599 ug/l

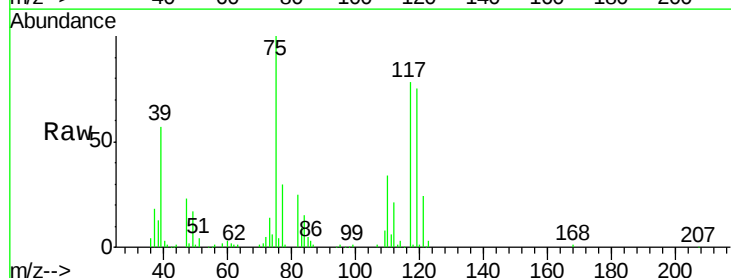
RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

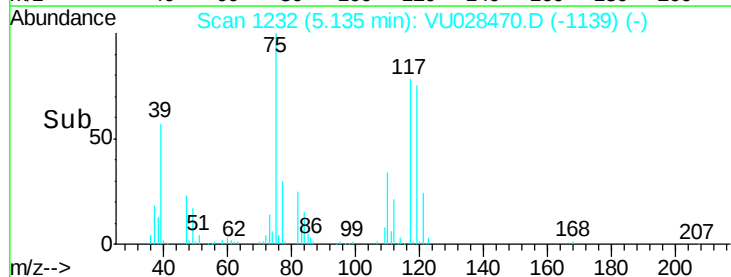
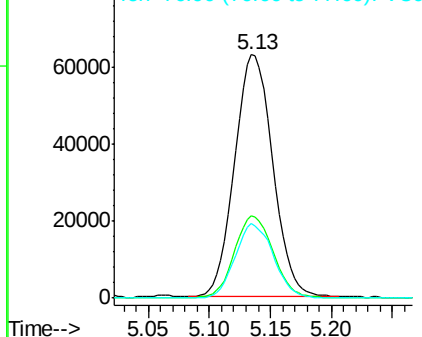
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 137094 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 110       | 34.5  | 15.8  | 47.4   |
| 77        | 30.7  | 24.6  | 36.8   |

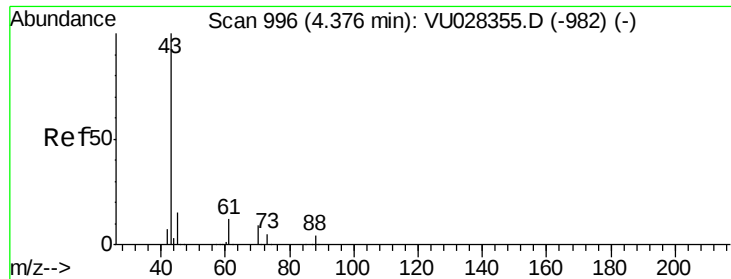


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





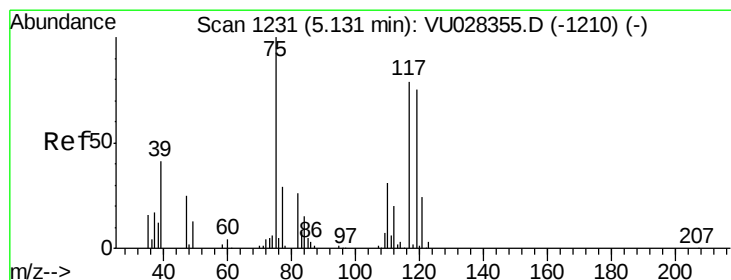
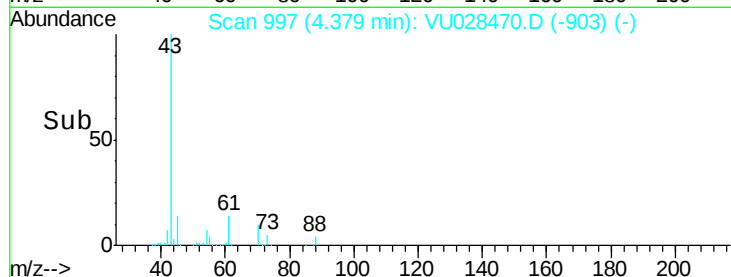
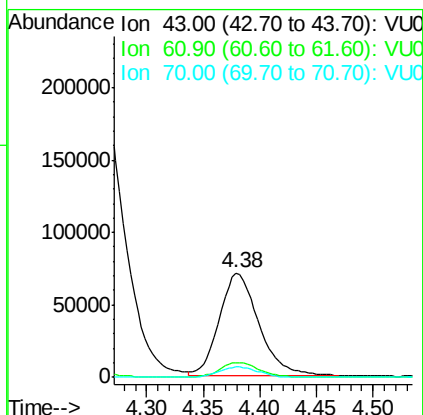
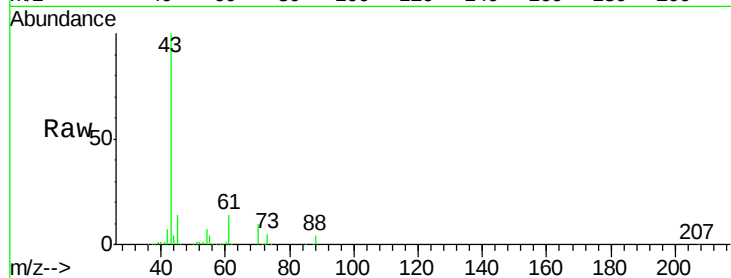
#37  
Ethyl Acetate  
Concen: 19.940 ug/l  
RT: 4.38 min Scan# 997  
Delta R.T. 0.00 min  
Lab File: VU028470.D  
Acq: 05 Dec 2018 11:19

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1205WBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.2  | 10.2  | 15.4  |
| 70      | 10.0  | 6.9   | 10.3  |

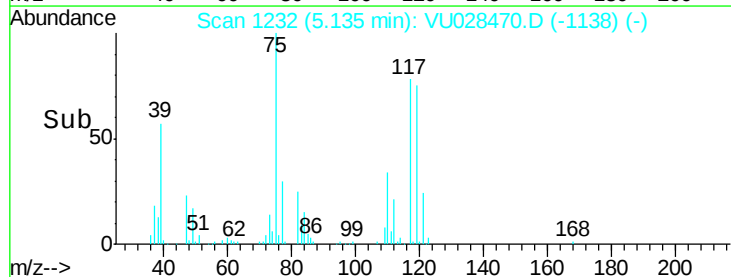
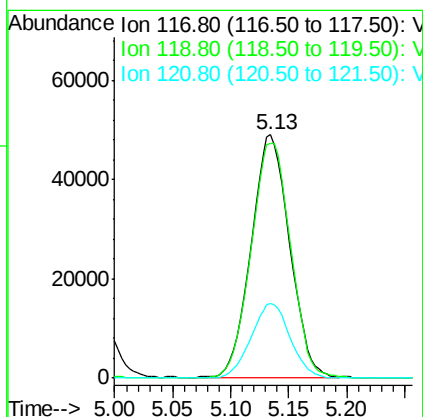
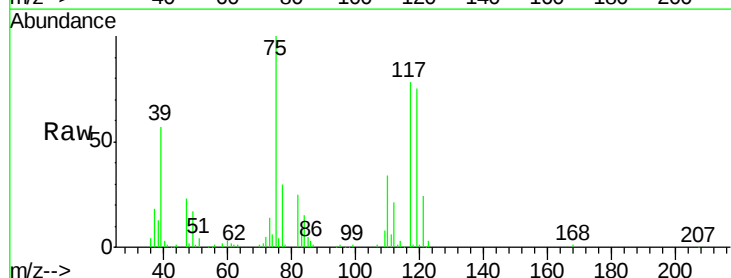
Manual Integrations  
APPROVED

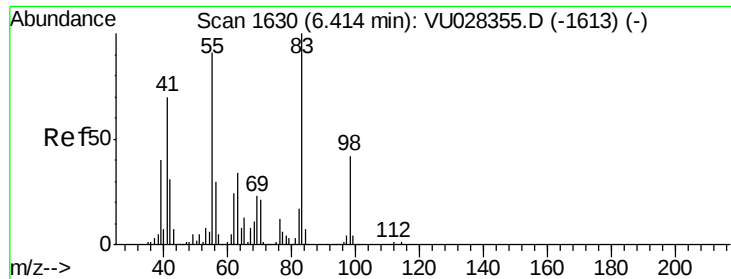
MMDadoda  
12/6/2018 4:53:12 PM



#38  
Carbon Tetrachloride  
Concen: 21.661 ug/l  
RT: 5.13 min Scan# 1232  
Delta R.T. 0.00 min  
Lab File: VU028470.D  
Acq: 05 Dec 2018 11:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.8  | 76.3  | 114.5 |
| 121     | 30.5  | 24.7  | 37.1  |





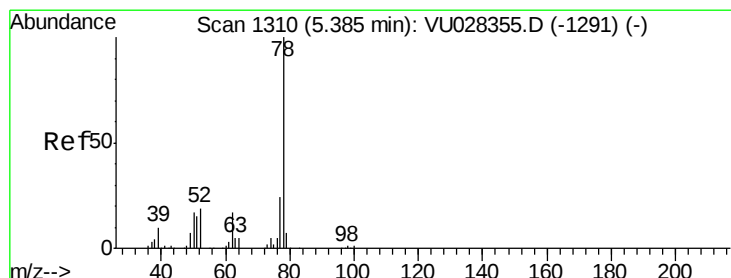
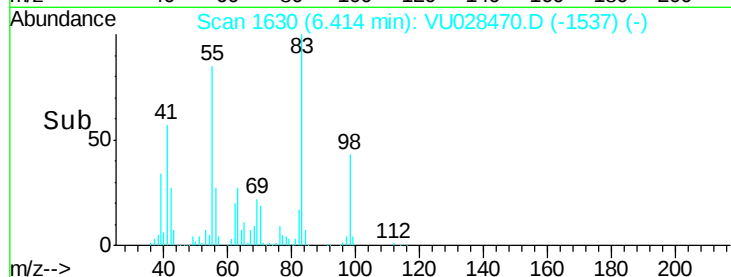
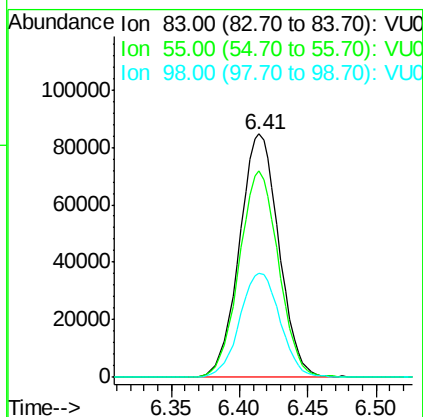
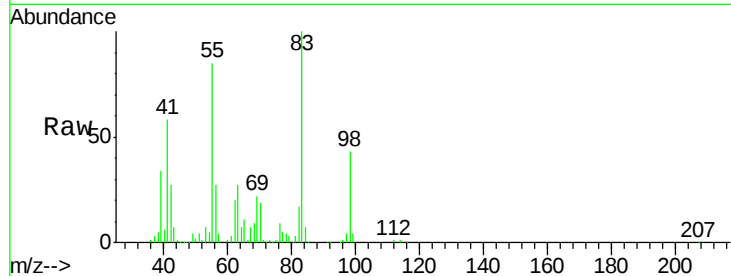
#39  
Methylcyclohexane  
Concen: 22.674 ug/l  
RT: 6.41 min Scan# 1630  
Delta R.T. -0.00 min  
Lab File: VU028470.D  
Acq: 05 Dec 2018 11:19

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1205WBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 84.7  | 73.1  | 109.7 |
| 98      | 42.9  | 33.9  | 50.9  |

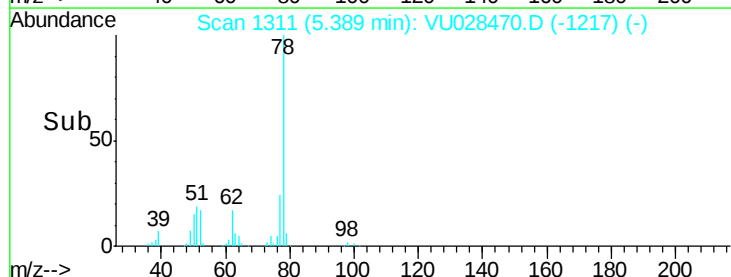
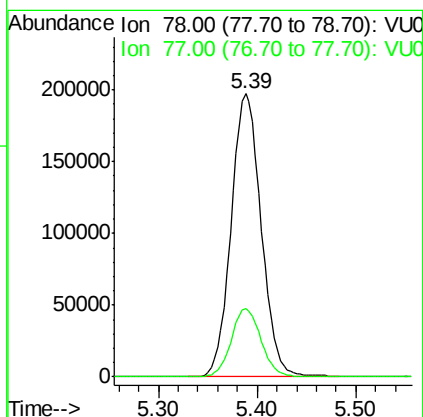
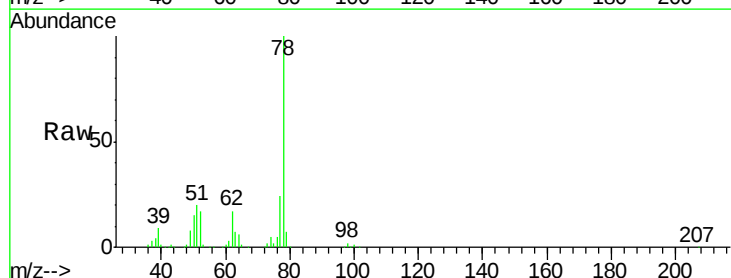
Manual Integrations  
APPROVED

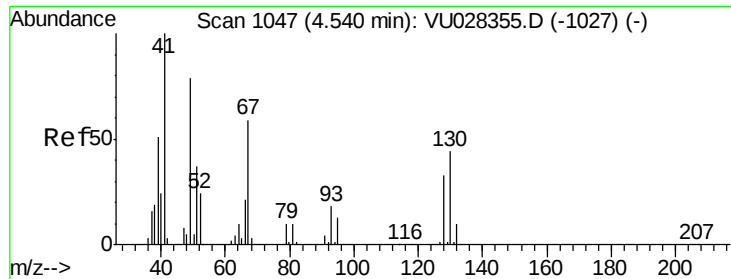
MMDadoda  
12/6/2018 4:53:12 PM



#40  
Benzene  
Concen: 22.244 ug/l  
RT: 5.39 min Scan# 1311  
Delta R.T. 0.00 min  
Lab File: VU028470.D  
Acq: 05 Dec 2018 11:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.9  | 19.0  | 28.6  |





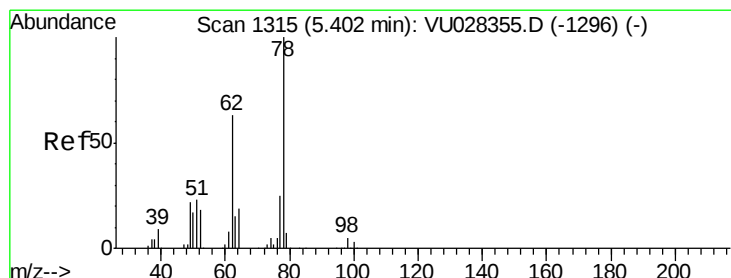
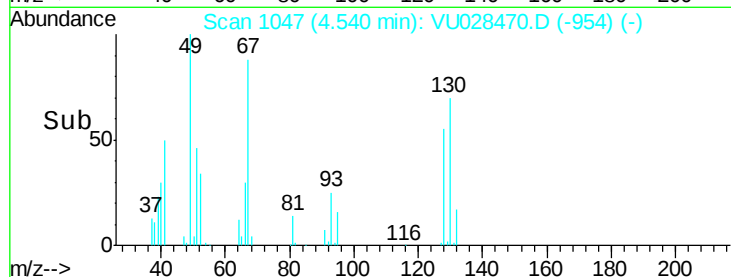
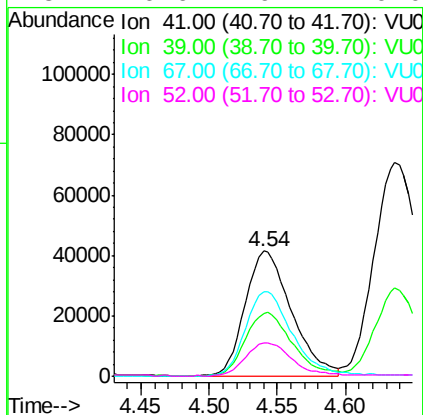
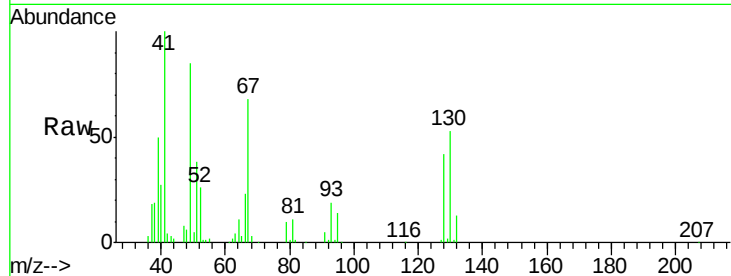
#41  
Methacrylonitrile  
Concen: 20.529 ug/l  
RT: 4.54 min Scan# 1047  
Delta R.T. -0.00 min  
Lab File: VU028470.D  
Acq: 05 Dec 2018 11:19

Instrument :  
MSVOA\_U  
ClientSampled :  
VU1205WBS01

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 50.9 | 41.3  | 61.9  |       |
| 67      | 68.7 | 48.6  | 73.0  |       |
| 52      | 26.6 | 19.4  | 29.0  |       |

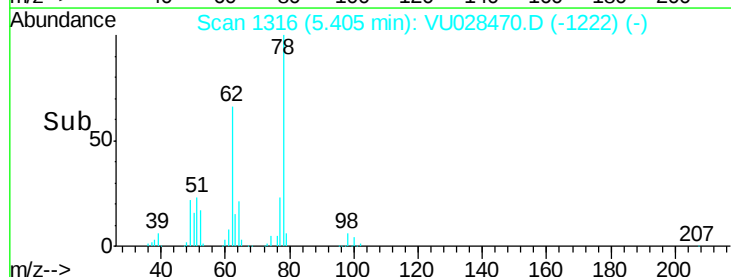
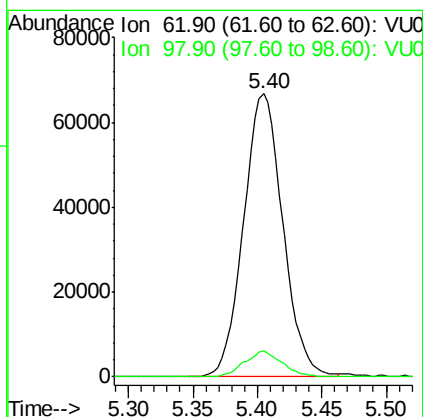
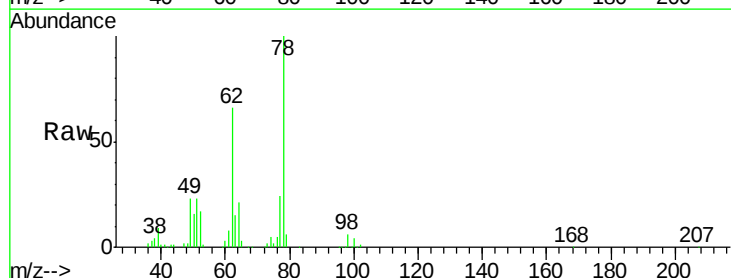
Manual Integrations  
APPROVED

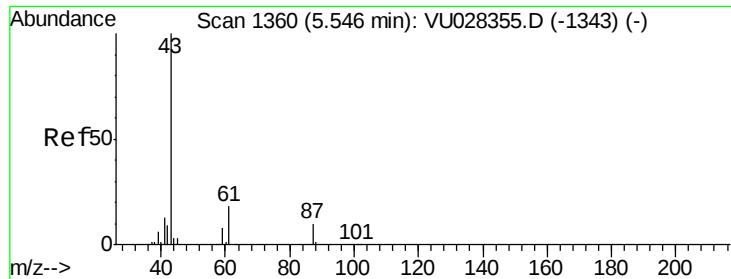
MMDadoda  
12/6/2018 4:53:12 PM



#42  
1,2-Dichloroethane  
Concen: 20.961 ug/l  
RT: 5.40 min Scan# 1316  
Delta R.T. 0.00 min  
Lab File: VU028470.D  
Acq: 05 Dec 2018 11:19

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 62      | 100 |       |       |       |
| 98      | 8.8 | 0.0   | 15.4  |       |





#43

Isopropyl Acetate

Concen: 20.371 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

Instrument :

MSVOA\_U

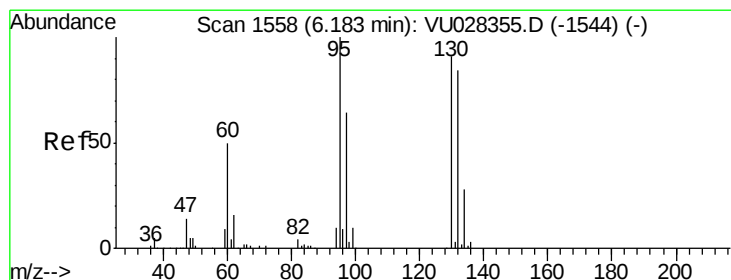
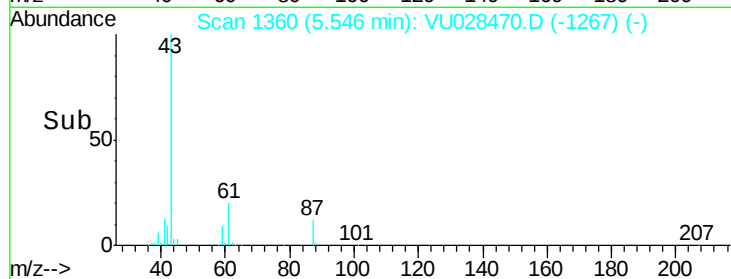
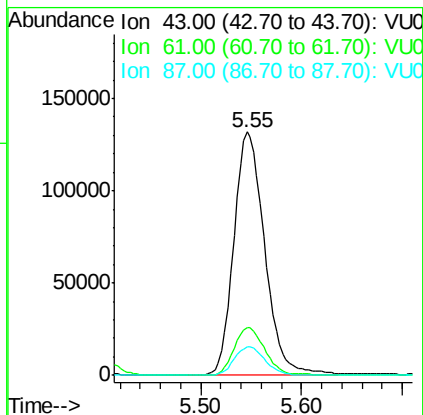
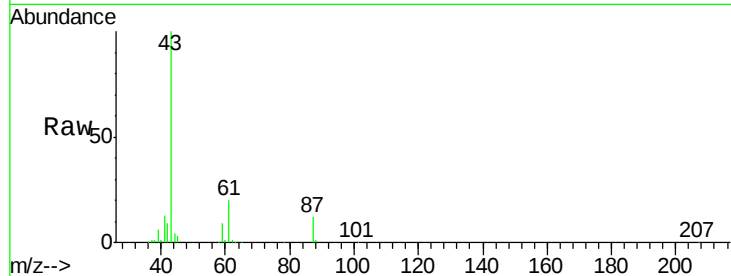
ClientSampleId :

VU1205WBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 279229 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 19.8  | 14.5  | 21.7   |
| 87       | 11.8  | 8.4   | 12.6   |

Manual Integrations  
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12/6/2018 4:53:12 PM



#44

Trichloroethene

Concen: 24.274 ug/l

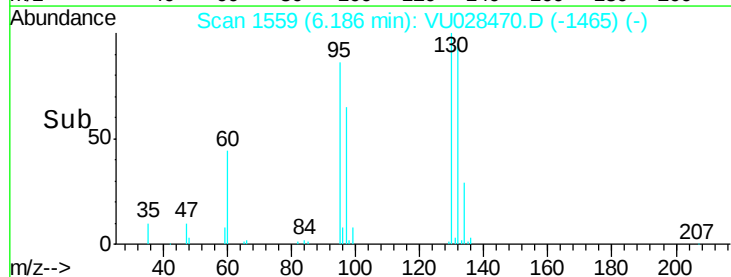
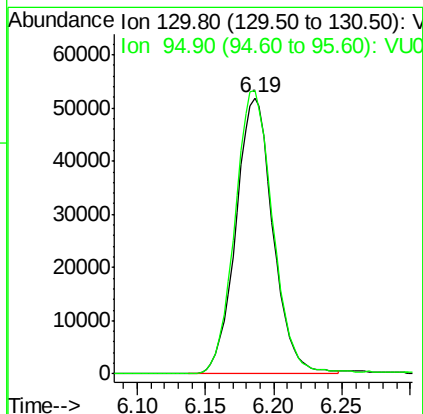
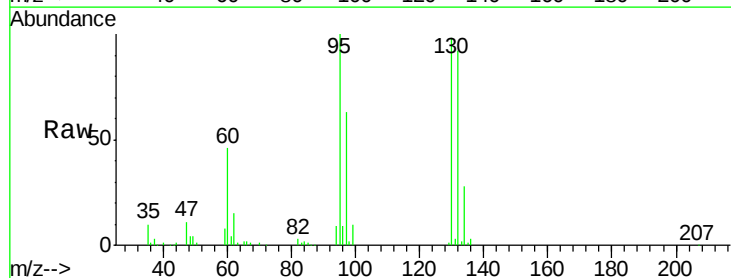
RT: 6.19 min Scan# 1559

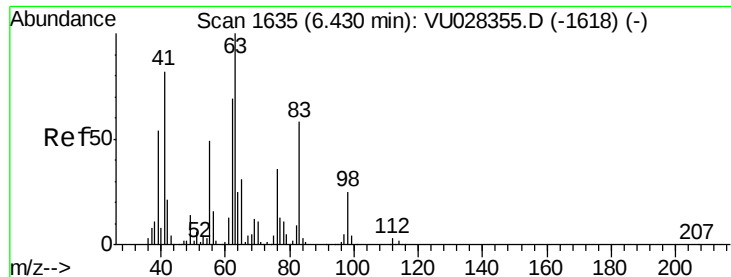
Delta R.T. 0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 97814 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 102.5 | 0.0   | 219.8 |





#45

1,2-Dichloropropane

Concen: 21.388 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

Instrument :

MSVOA\_U

ClientSampleId :

VU1205WBS01

Tgt Ion: 63 Resp: 117742

Ion Ratio Lower Upper

63 100

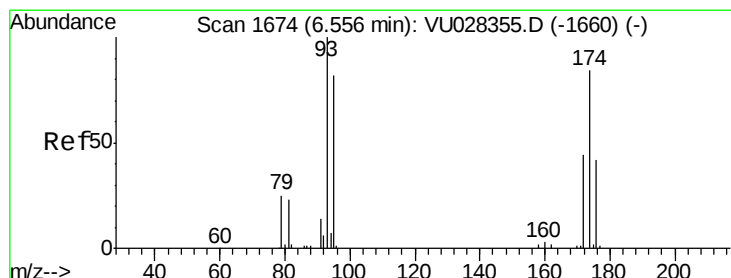
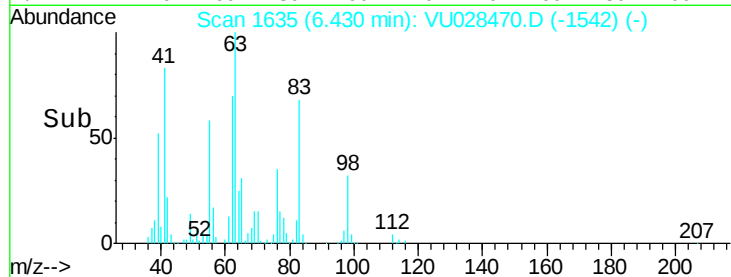
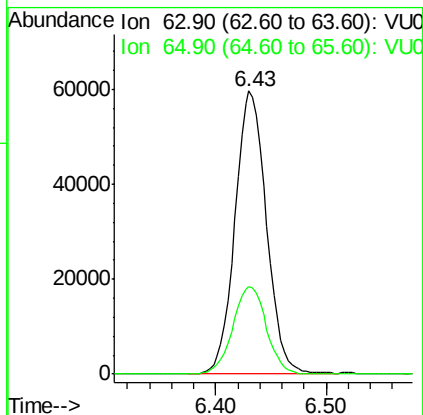
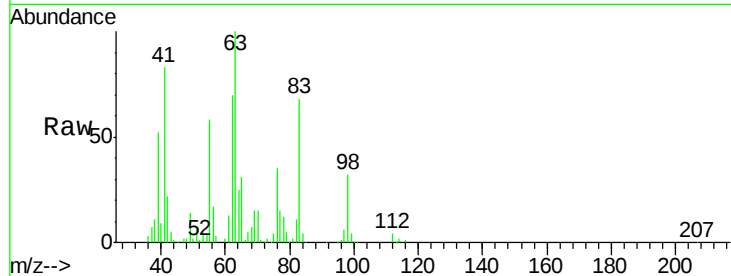
65 30.7 25.1 37.7

Manual Integrations

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12/6/2018 4:53:12 PM



#46

Dibromomethane

Concen: 22.391 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

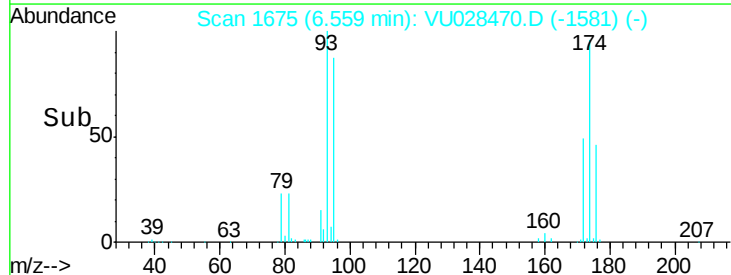
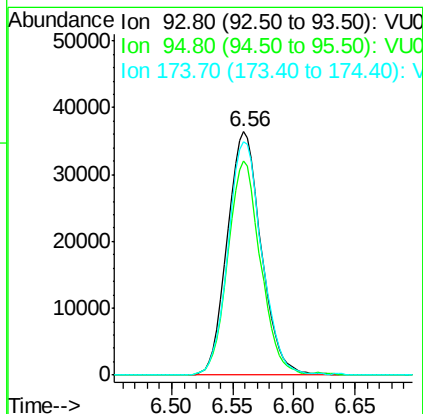
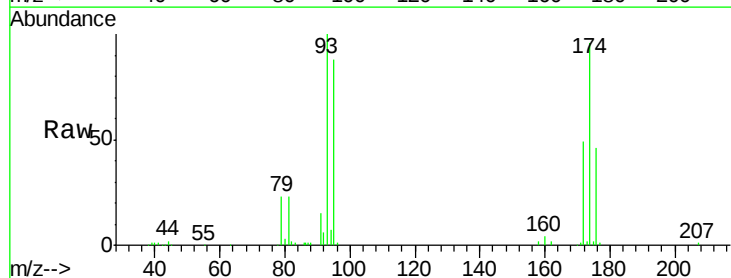
Tgt Ion: 93 Resp: 70803

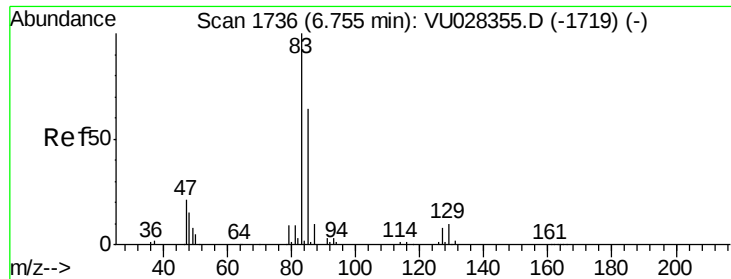
Ion Ratio Lower Upper

93 100

95 84.6 65.1 97.7

174 95.3 69.9 104.9





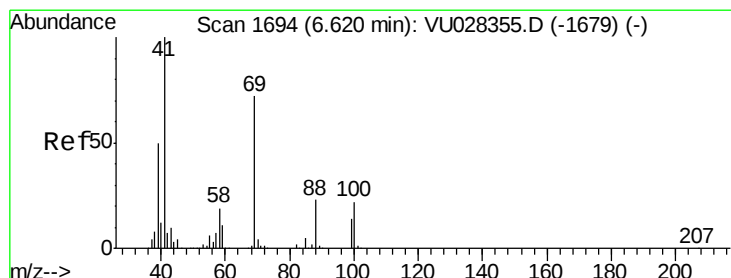
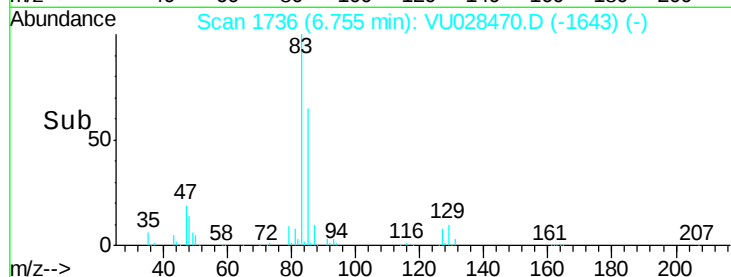
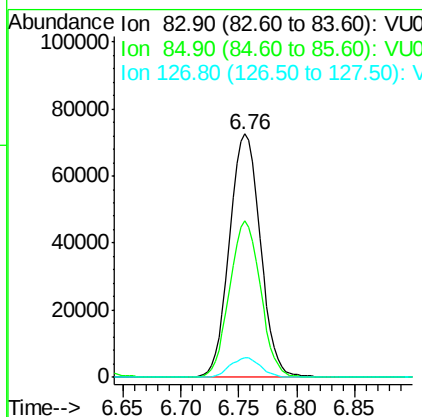
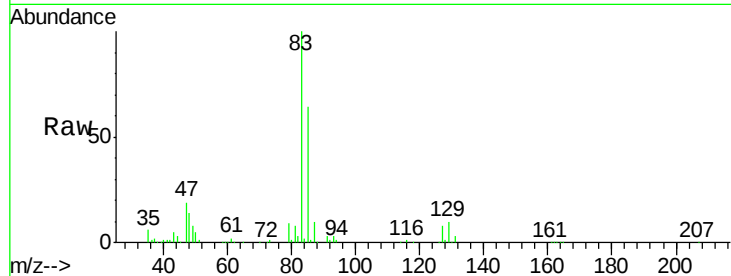
#47  
Bromodichloromethane  
Concen: 21.268 ug/l  
RT: 6.76 min Scan# 1736  
Delta R.T. -0.00 min  
Lab File: VU028470.D  
Acq: 05 Dec 2018 11:19

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1205WBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.1  | 50.9  | 76.3  |
| 127     | 7.8   | 6.2   | 9.4   |

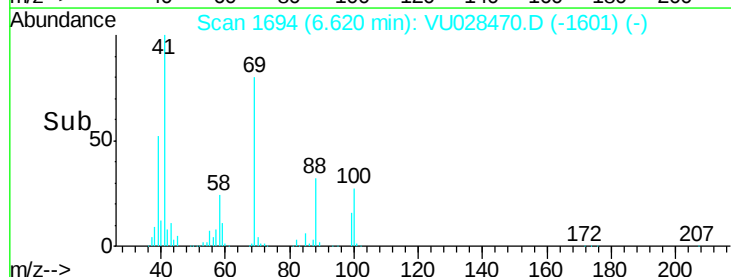
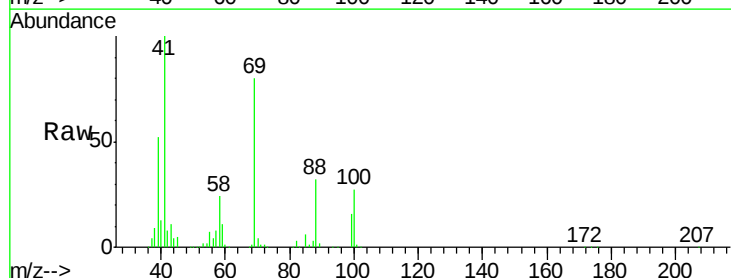
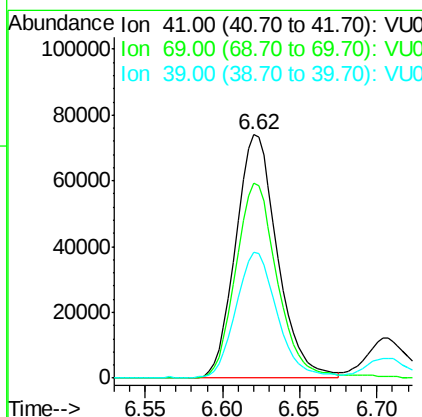
Manual Integrations  
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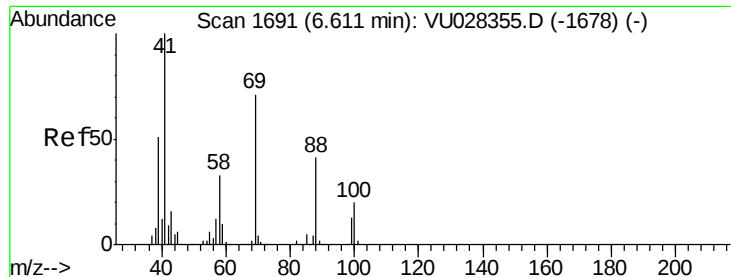
MMDadoda  
12/6/2018 4:53:12 PM



#48  
Methyl methacrylate  
Concen: 19.353 ug/l  
RT: 6.62 min Scan# 1694  
Delta R.T. -0.00 min  
Lab File: VU028470.D  
Acq: 05 Dec 2018 11:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 69      | 80.9  | 59.0  | 88.4  |
| 39      | 51.0  | 40.5  | 60.7  |





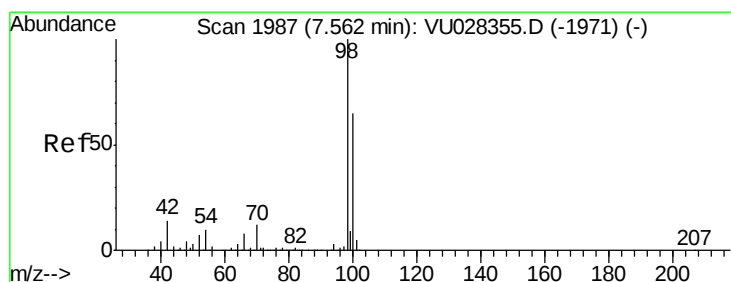
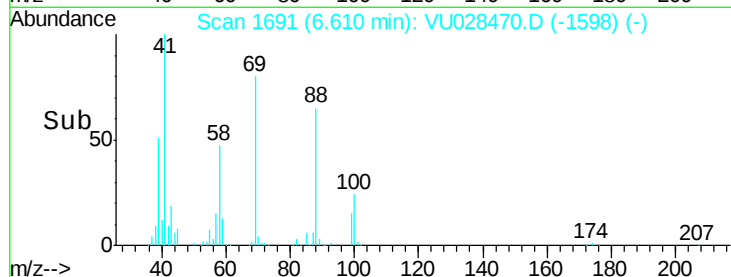
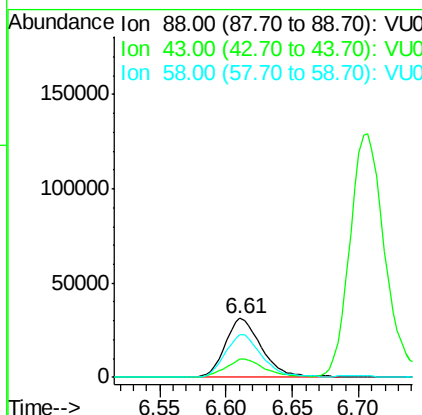
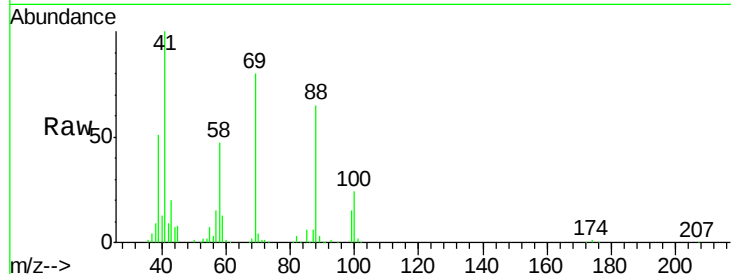
#49  
1,4-Dioxane  
Concen: 519.083 ug/l  
RT: 6.61 min Scan# 1691  
Delta R.T. -0.00 min  
Lab File: VU028470.D  
Acq: 05 Dec 2018 11:19

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1205WBS01

Tgt Ion: 88 Resp: 59208  
Ion Ratio Lower Upper  
88 100  
43 32.6 32.6 48.8  
58 74.0 68.7 103.1

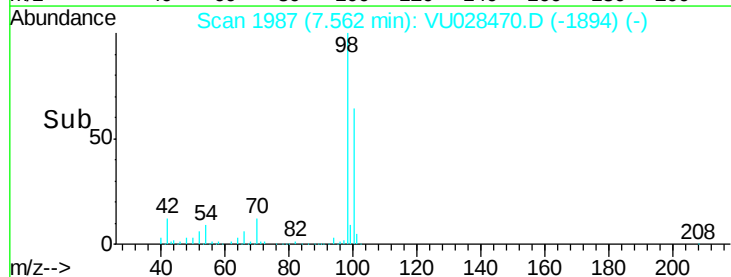
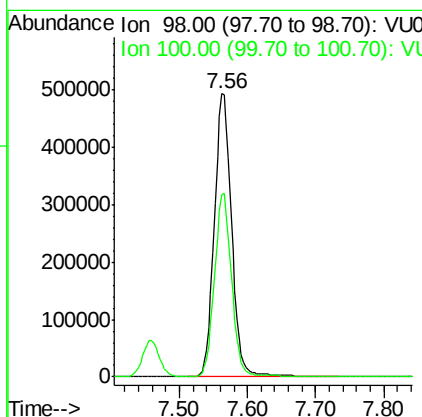
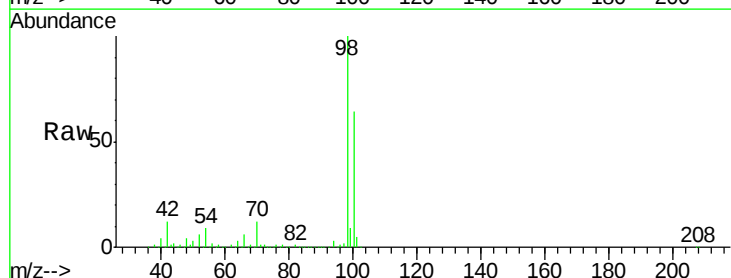
Manual Integrations  
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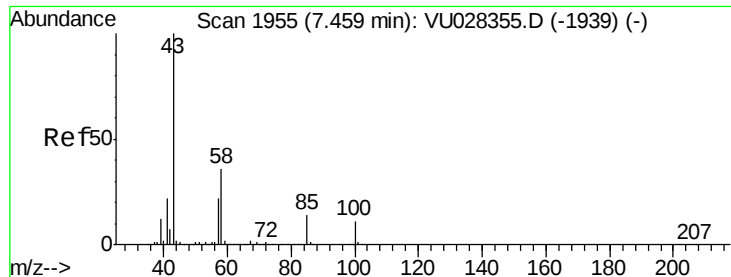
MMDadoda  
12/6/2018 4:53:12 PM



#50  
Toluene-d8  
Concen: 56.471 ug/l  
RT: 7.56 min Scan# 1987  
Delta R.T. -0.00 min  
Lab File: VU028470.D  
Acq: 05 Dec 2018 11:19

Tgt Ion: 98 Resp: 871080  
Ion Ratio Lower Upper  
98 100  
100 63.3 50.8 76.2





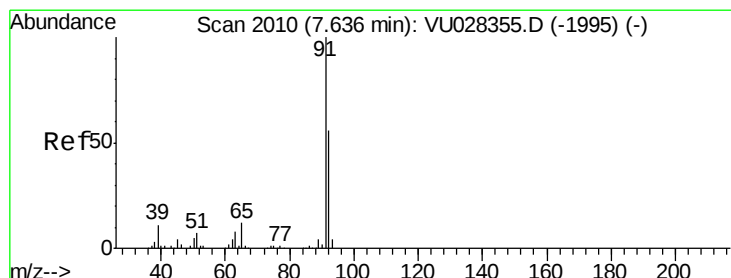
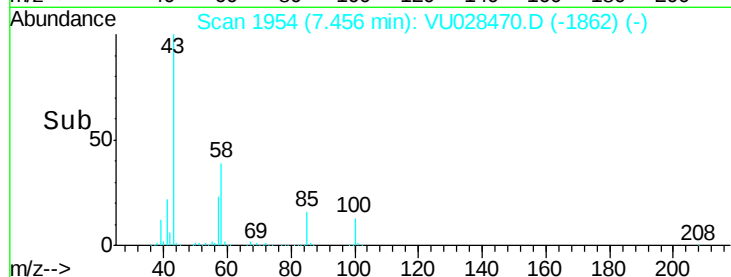
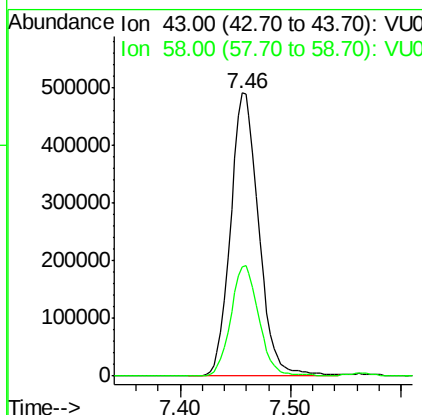
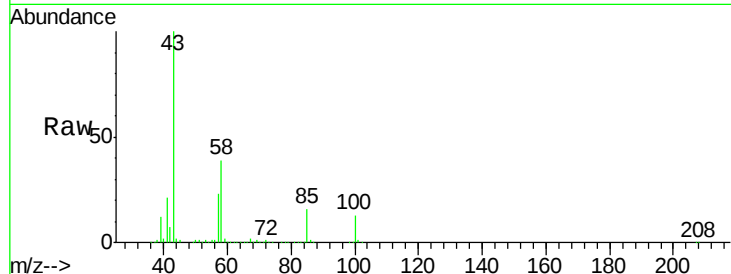
#51  
 4-Methyl-2-Pentanone  
 Concen: 99.792 ug/l  
 RT: 7.46 min Scan# 1954  
 Delta R.T. -0.00 min  
 Lab File: VU028470.D  
 Acq: 05 Dec 2018 11:19

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1205WBS01

Tgt Ion: 43 Resp: 873622  
 Ion Ratio Lower Upper  
 43 100  
 58 38.9 28.8 43.2

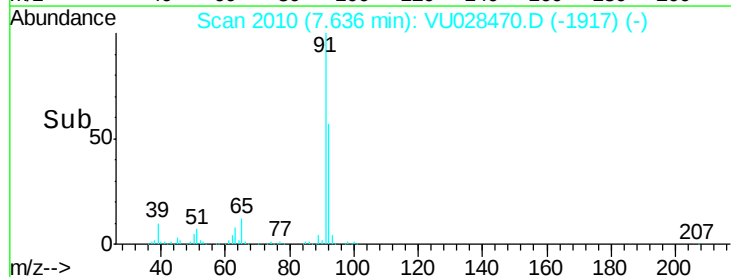
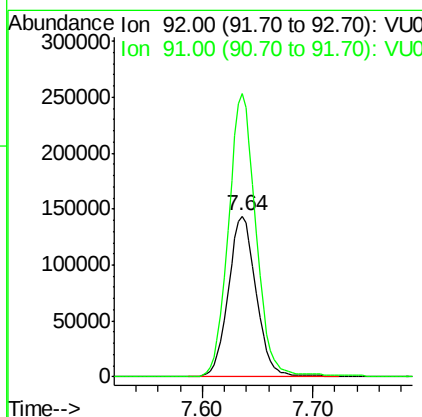
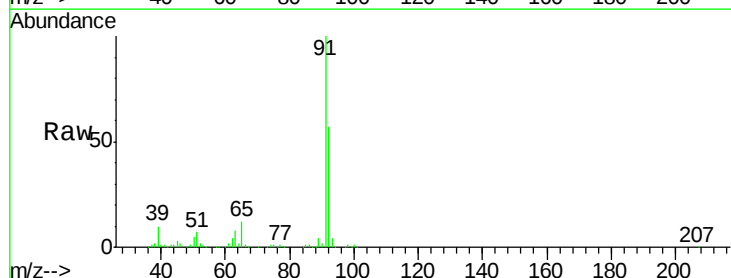
Manual Integrations  
 APPROVED

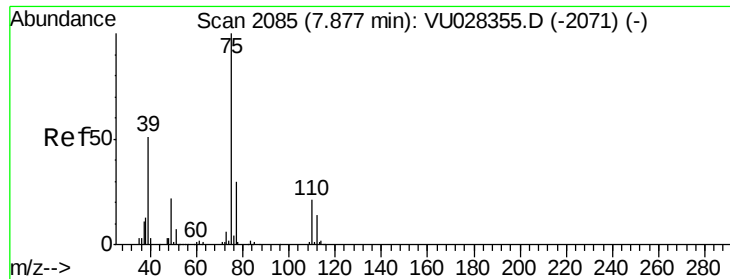
MMDadoda  
 12/6/2018 4:53:12 PM



#52  
 Toluene  
 Concen: 23.267 ug/l  
 RT: 7.64 min Scan# 2010  
 Delta R.T. -0.00 min  
 Lab File: VU028470.D  
 Acq: 05 Dec 2018 11:19

Tgt Ion: 92 Resp: 251869  
 Ion Ratio Lower Upper  
 92 100  
 91 172.9 141.8 212.6





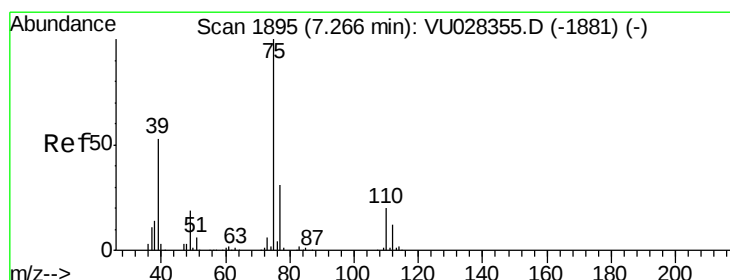
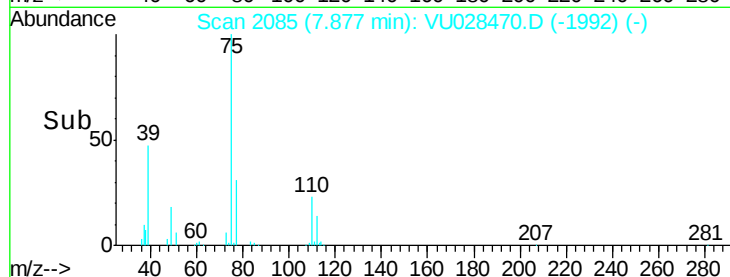
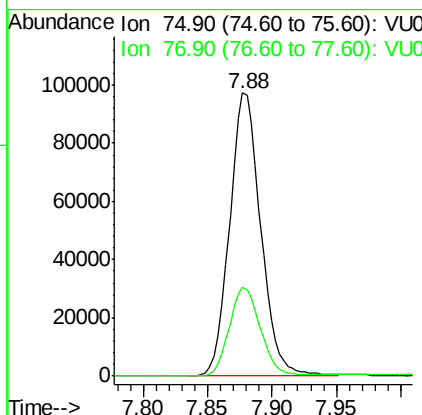
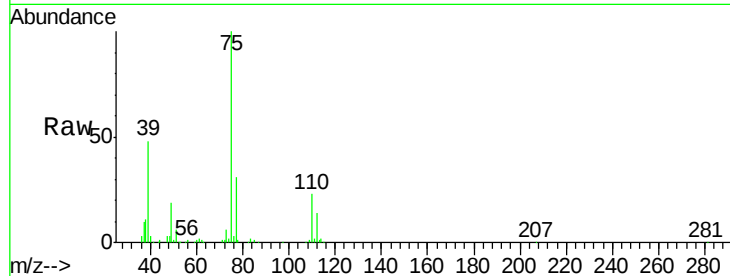
#53  
t-1,3-Dichloropropene  
Concen: 21.672 ug/l  
RT: 7.88 min Scan# 2085  
Delta R.T. -0.00 min  
Lab File: VU028470.D  
Acq: 05 Dec 2018 11:19

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1205WBS01

Tgt Ion: 75 Resp: 162996  
Ion Ratio Lower Upper  
75 100  
77 31.2 24.1 36.1

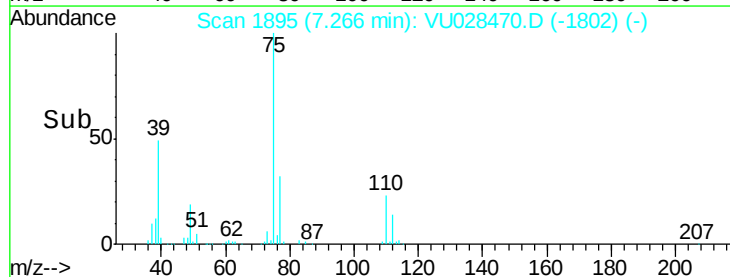
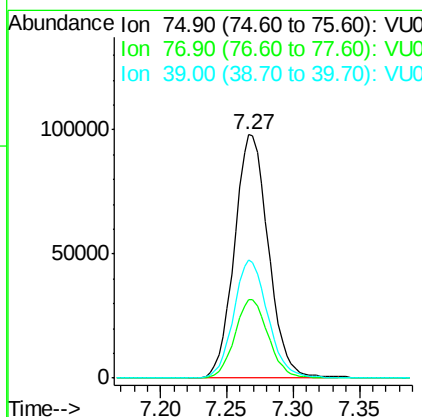
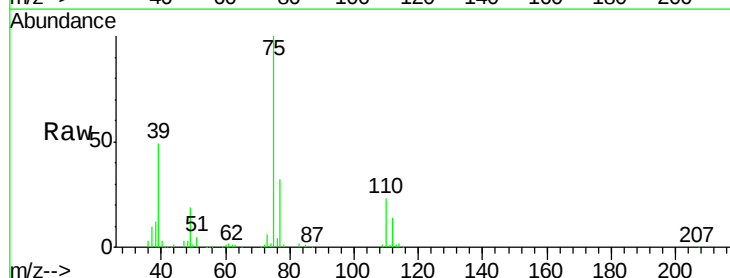
Manual Integrations  
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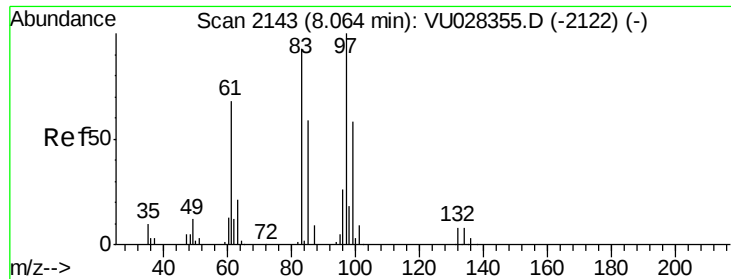
MMDadoda  
12/6/2018 4:53:12 PM



#54  
cis-1,3-Dichloropropene  
Concen: 21.659 ug/l  
RT: 7.27 min Scan# 1895  
Delta R.T. -0.00 min  
Lab File: VU028470.D  
Acq: 05 Dec 2018 11:19

Tgt Ion: 75 Resp: 174517  
Ion Ratio Lower Upper  
75 100  
77 32.2 24.9 37.3  
39 48.6 42.6 64.0





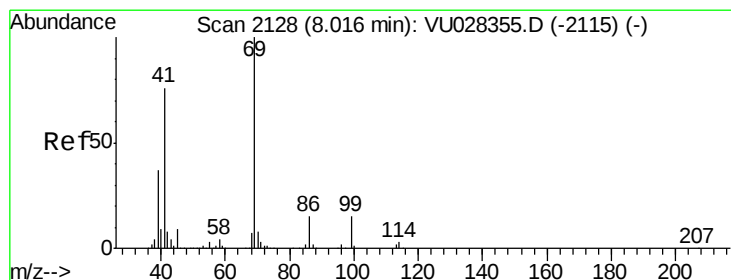
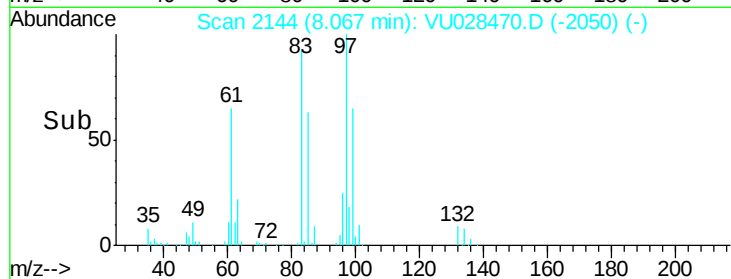
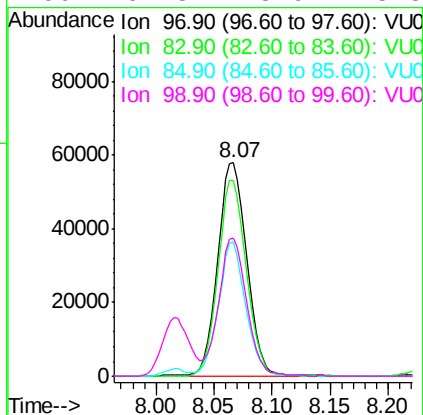
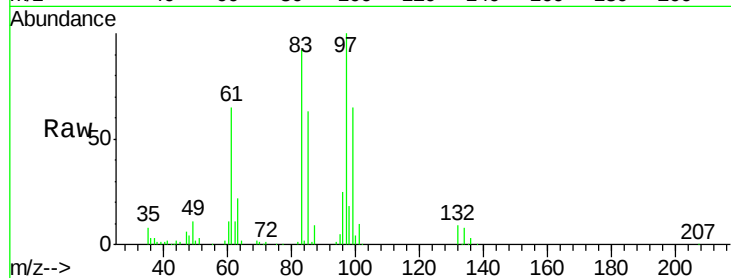
#55  
 1,1,2-Trichloroethane  
 Concen: 22.527 ug/l  
 RT: 8.07 min Scan# 2144  
 Delta R.T. 0.00 min  
 Lab File: VU028470.D  
 Acq: 05 Dec 2018 11:19

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1205WBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 101491 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 91.5  | 74.3  | 111.5  |
| 85       | 62.7  | 47.2  | 70.8   |
| 99       | 64.8  | 48.9  | 73.3   |

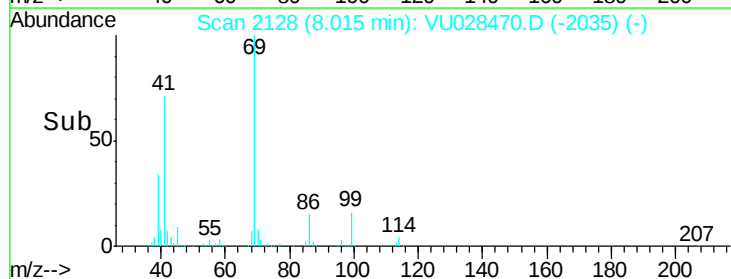
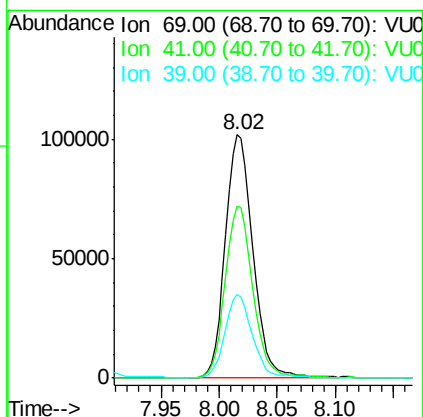
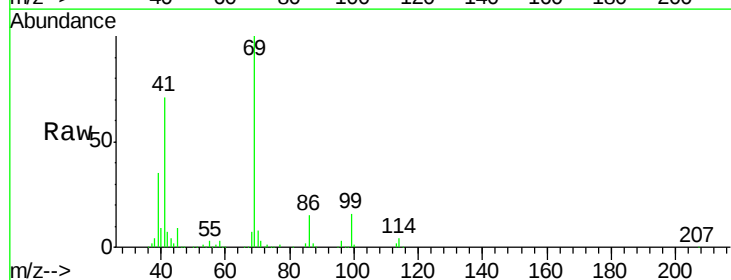
Manual Integrations  
 APPROVED

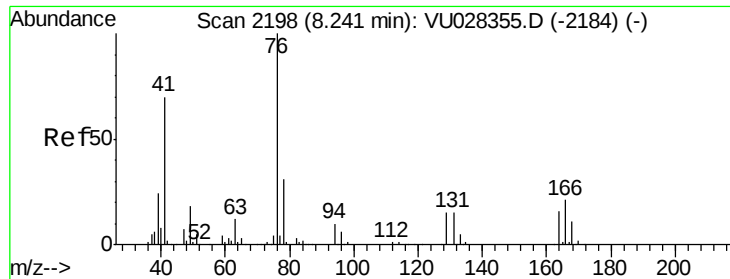
MMDadoda  
 12/6/2018 4:53:12 PM



#56  
 Ethyl methacrylate  
 Concen: 21.908 ug/l  
 RT: 8.02 min Scan# 2128  
 Delta R.T. -0.00 min  
 Lab File: VU028470.D  
 Acq: 05 Dec 2018 11:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 167915 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 71.2  | 60.0  | 90.0   |
| 39       | 33.3  | 29.0  | 43.6   |





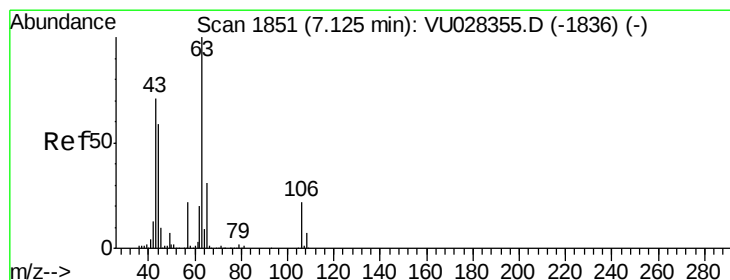
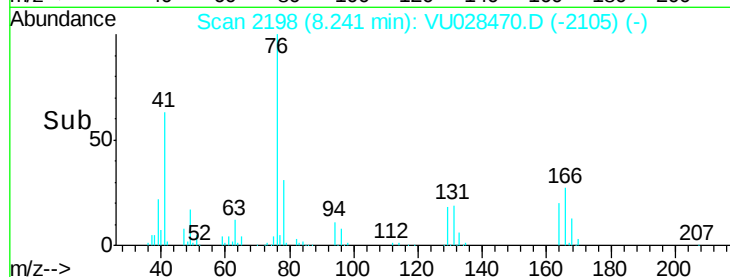
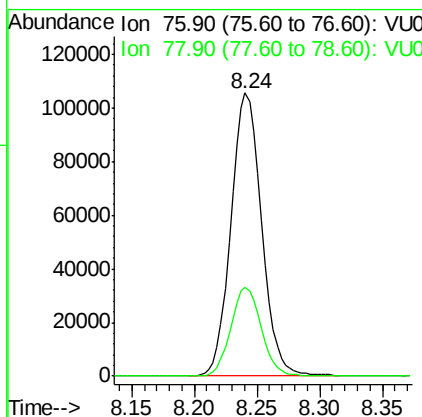
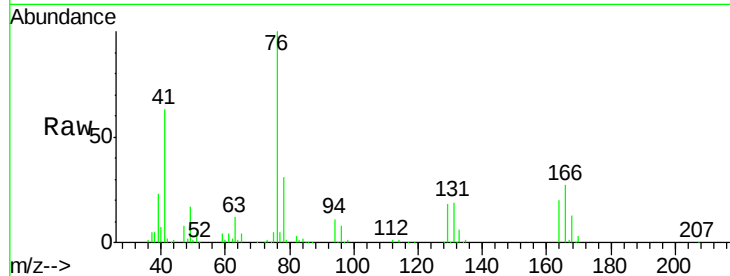
#57  
 1,3-Dichloropropane  
 Concen: 21.700 ug/l  
 RT: 8.24 min Scan# 2198  
 Delta R.T. -0.00 min  
 Lab File: VU028470.D  
 Acq: 05 Dec 2018 11:19

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1205WBS01

Tgt Ion: 76 Resp: 179287  
 Ion Ratio Lower Upper  
 76 100  
 78 31.3 25.4 38.0

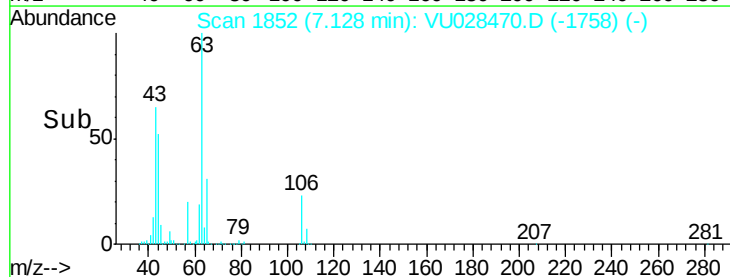
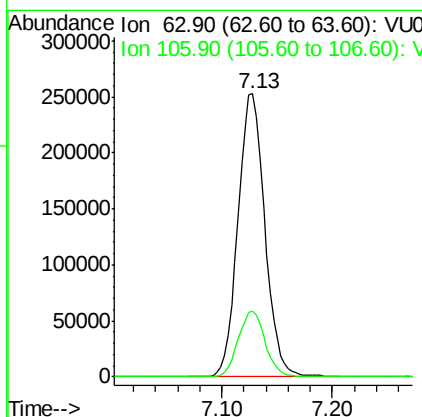
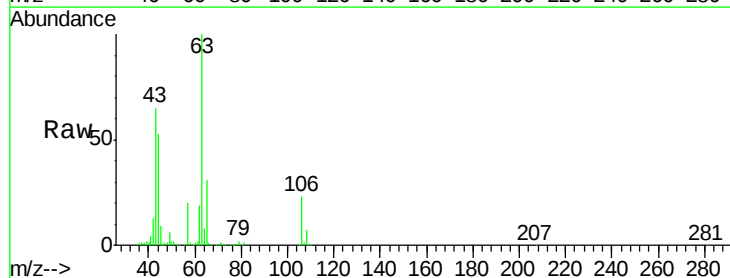
Manual Integrations  
 APPROVED

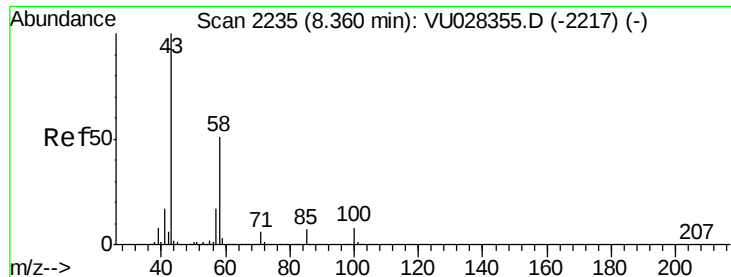
MMDadoda  
 12/6/2018 4:53:12 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 103.944 ug/l  
 RT: 7.13 min Scan# 1852  
 Delta R.T. 0.00 min  
 Lab File: VU028470.D  
 Acq: 05 Dec 2018 11:19

Tgt Ion: 63 Resp: 427732  
 Ion Ratio Lower Upper  
 63 100  
 106 23.3 17.3 25.9





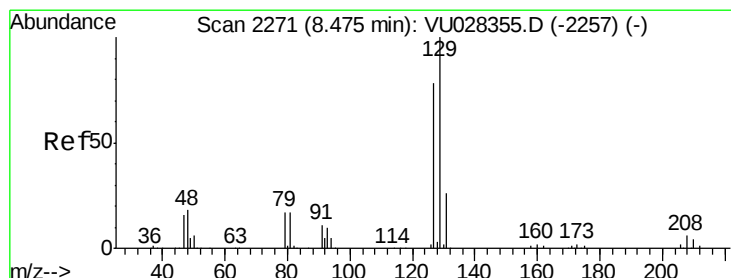
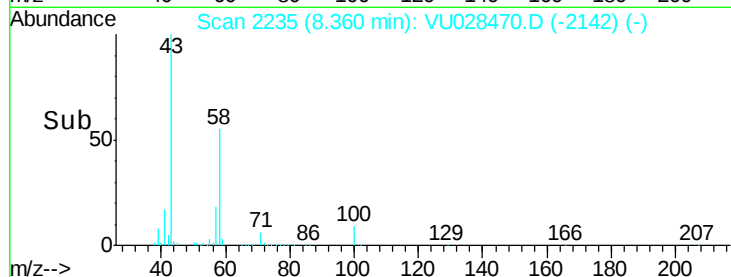
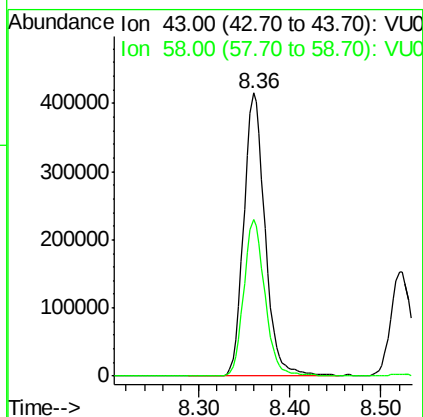
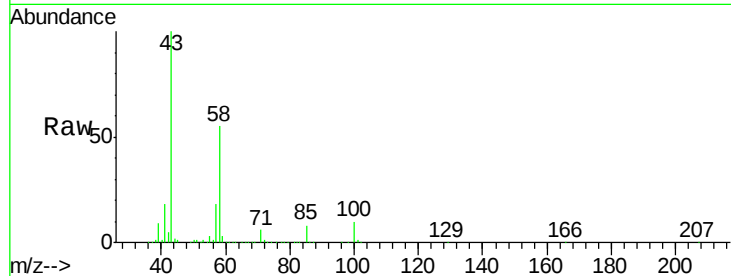
#59  
2-Hexanone  
Concen: 99.871 ug/l  
RT: 8.36 min Scan# 2235  
Delta R.T. -0.00 min  
Lab File: VU028470.D  
Acq: 05 Dec 2018 11:19

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1205WBS01

Tgt Ion: 43 Resp: 677243  
Ion Ratio Lower Upper  
43 100  
58 55.0 25.5 76.5

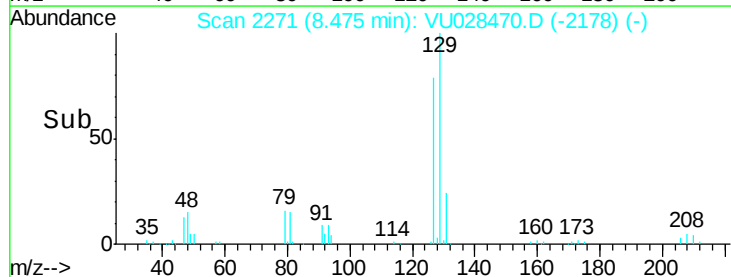
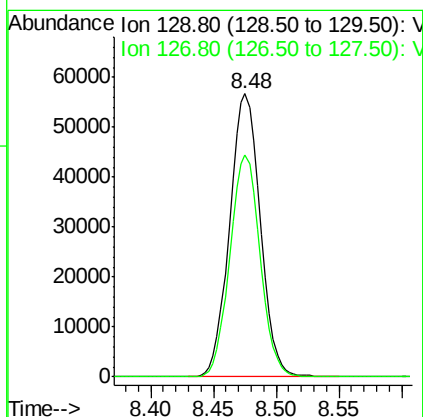
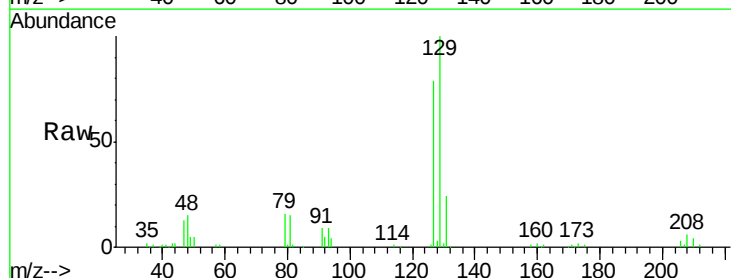
Manual Integrations  
APPROVED

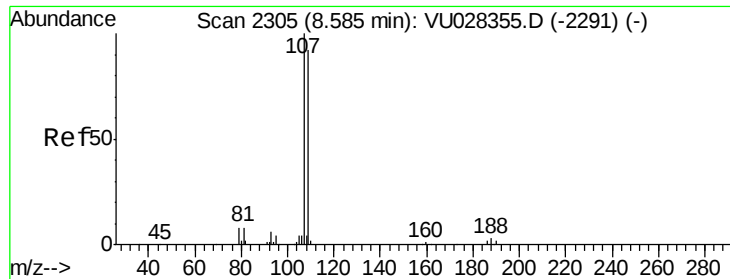
MMDadoda  
12/6/2018 4:53:12 PM



#60  
Dibromochloromethane  
Concen: 22.498 ug/l  
RT: 8.48 min Scan# 2271  
Delta R.T. -0.00 min  
Lab File: VU028470.D  
Acq: 05 Dec 2018 11:19

Tgt Ion: 129 Resp: 96403  
Ion Ratio Lower Upper  
129 100  
127 77.3 38.9 116.7





#61

1,2-Dibromoethane

Concen: 23.460 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

Instrument :

MSVOA\_U

ClientSampleId :

VU1205WBS01

Tgt Ion: 107 Resp: 108251

Ion Ratio Lower Upper

107 100

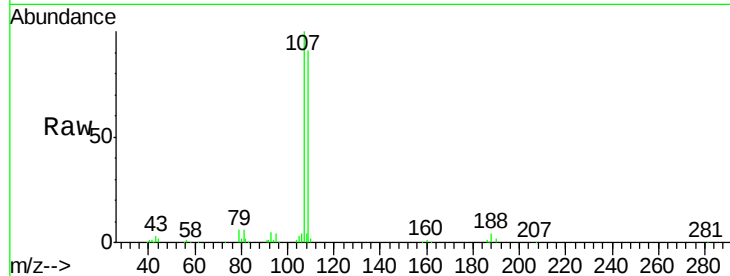
109 94.2 73.2 109.8

Manual Integrations

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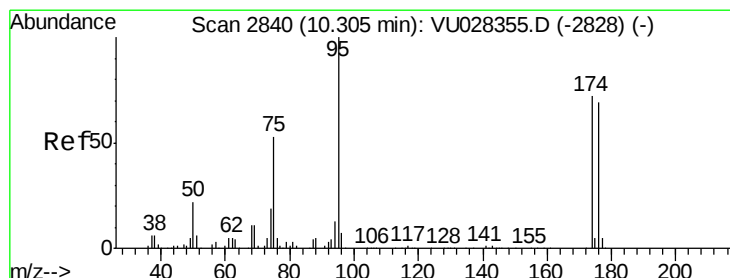
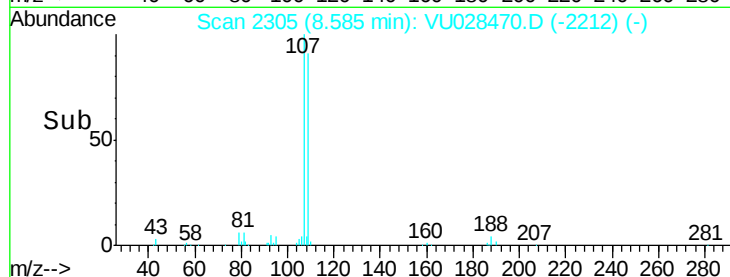
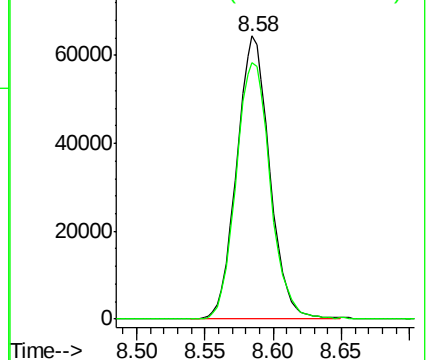
MMDadoda

12/6/2018 4:53:12 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 58.578 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

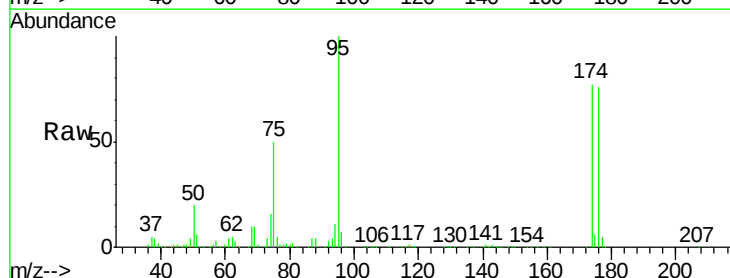
Tgt Ion: 95 Resp: 325674

Ion Ratio Lower Upper

95 100

174 77.6 0.0 145.4

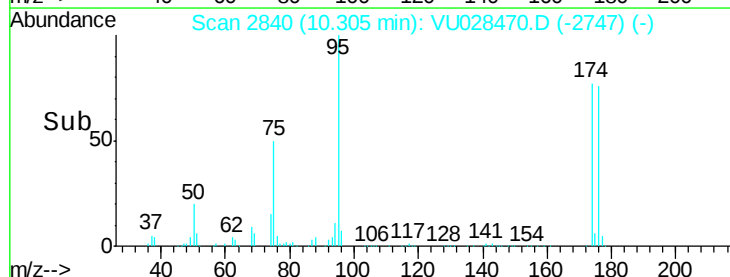
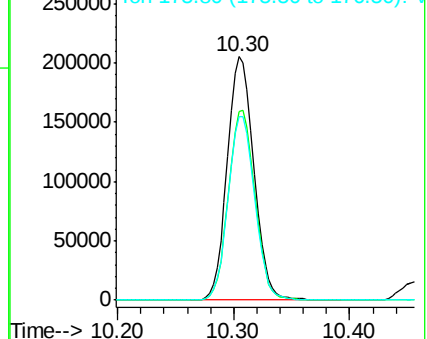
176 75.5 0.0 140.8

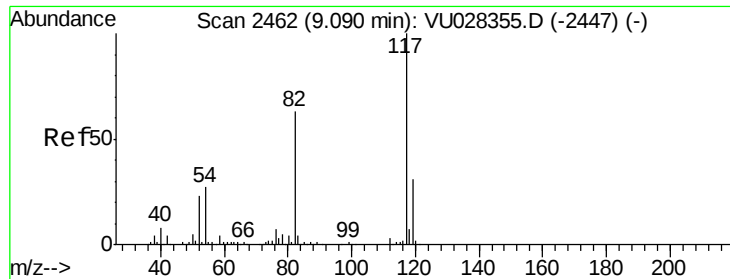


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





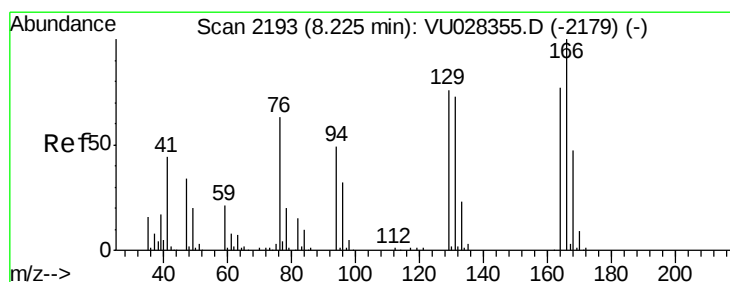
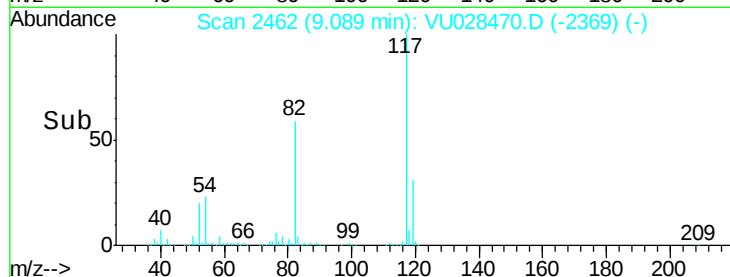
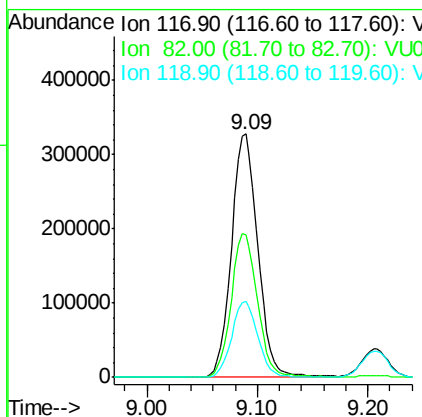
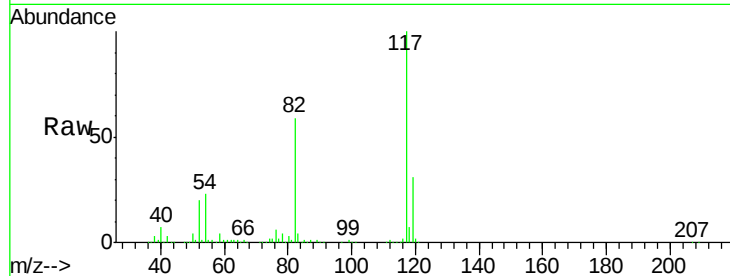
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.09 min Scan# 2462  
Delta R.T. -0.00 min  
Lab File: VU028470.D  
Acq: 05 Dec 2018 11:19

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1205WBS01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 545060 |       |       |
| 82      | 58.6  | 50.3   | 75.5  |       |
| 119     | 31.3  | 24.8   | 37.2  |       |

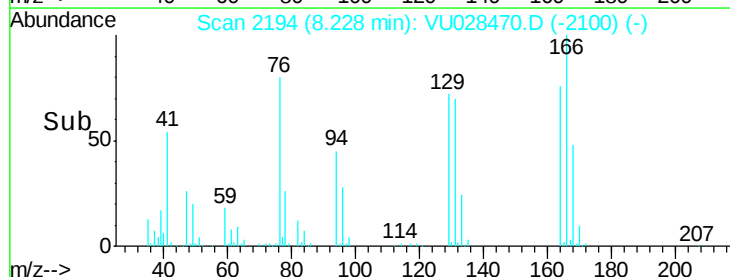
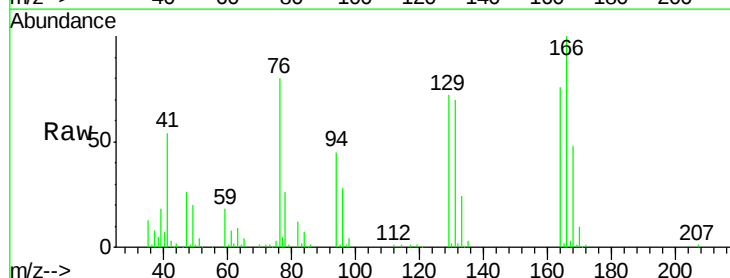
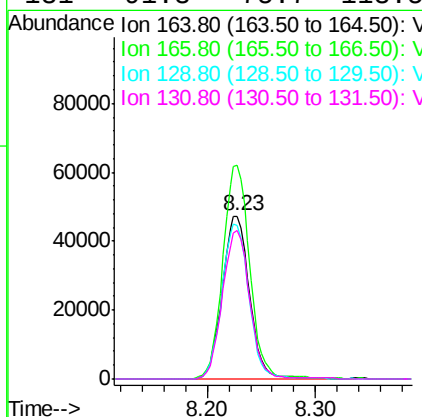
Manual Integrations  
APPROVED

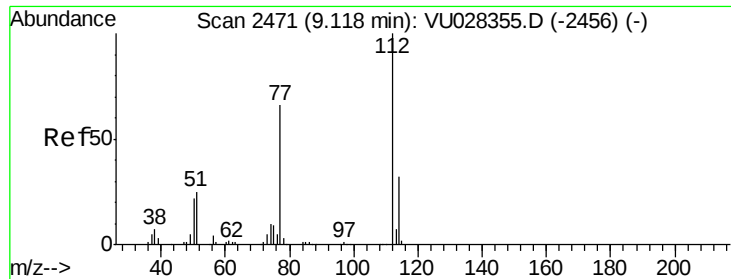
MMDadoda  
12/6/2018 4:53:12 PM



#64  
Tetrachloroethene  
Concen: 23.122 ug/l  
RT: 8.23 min Scan# 2194  
Delta R.T. 0.00 min  
Lab File: VU028470.D  
Acq: 05 Dec 2018 11:19

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 82900 |       |       |
| 166     | 131.0 | 104.0 | 156.0 |       |
| 129     | 94.2  | 79.2  | 118.8 |       |
| 131     | 91.3  | 75.7  | 113.5 |       |





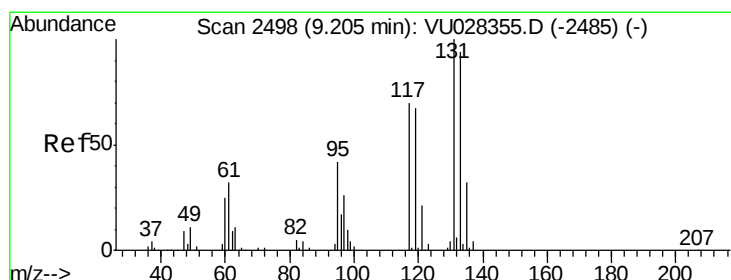
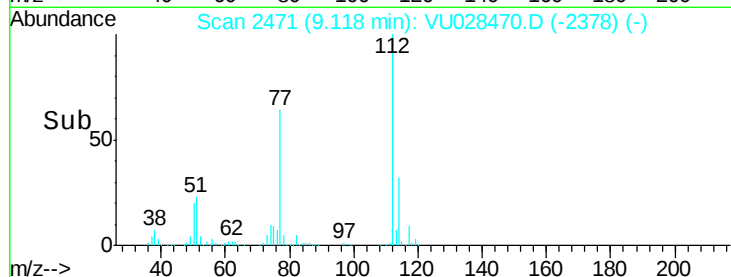
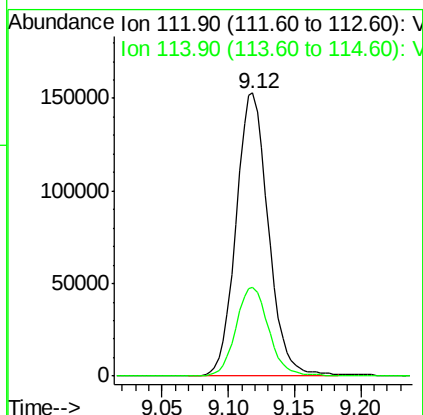
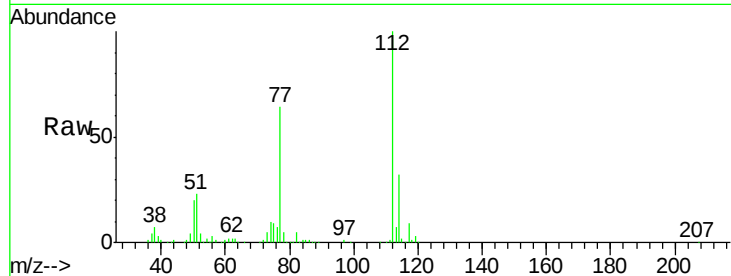
#65  
Chlorobenzene  
Concen: 22.860 ug/l  
RT: 9.12 min Scan# 2471  
Delta R.T. -0.00 min  
Lab File: VU028470.D  
Acq: 05 Dec 2018 11:19

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1205WBS01

Tgt Ion:112 Resp: 258727  
Ion Ratio Lower Upper  
112 100  
114 31.5 25.7 38.5

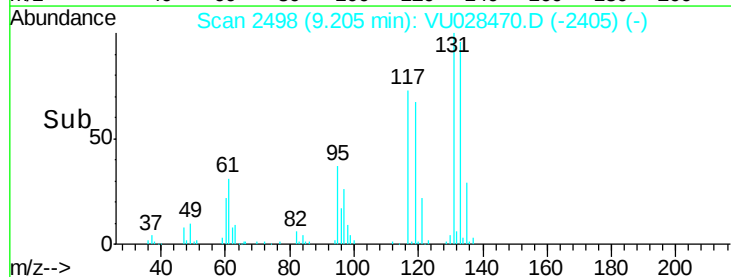
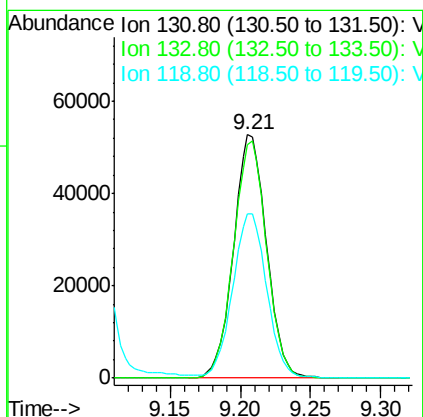
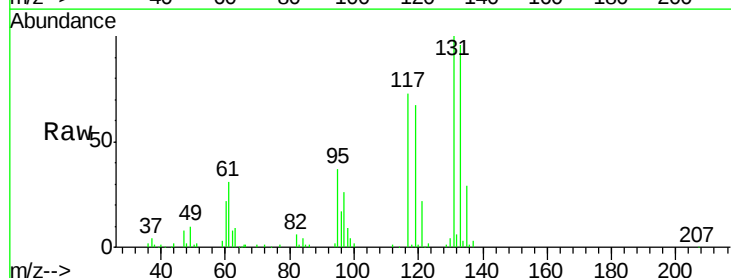
Manual Integrations  
APPROVED

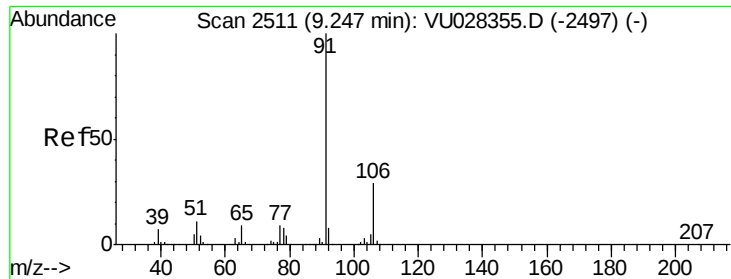
MMDadoda  
12/6/2018 4:53:12 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 22.308 ug/l  
RT: 9.21 min Scan# 2498  
Delta R.T. -0.00 min  
Lab File: VU028470.D  
Acq: 05 Dec 2018 11:19

Tgt Ion:131 Resp: 86541  
Ion Ratio Lower Upper  
131 100  
133 97.7 47.3 141.8  
119 70.1 34.1 102.2





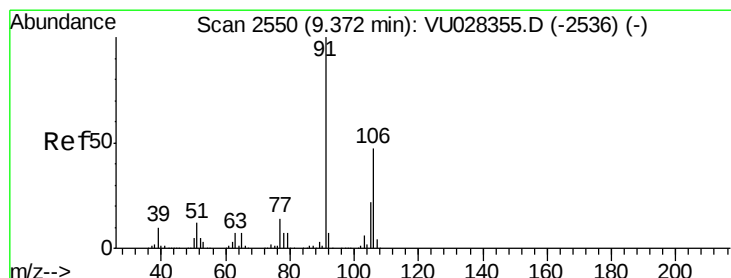
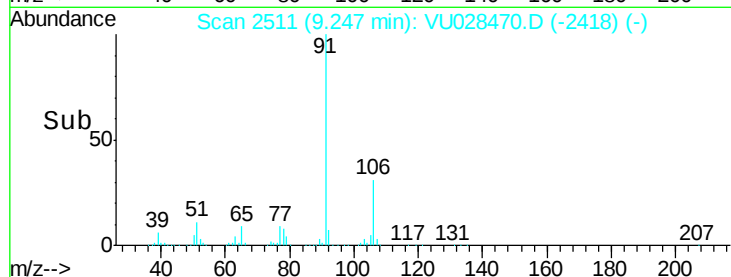
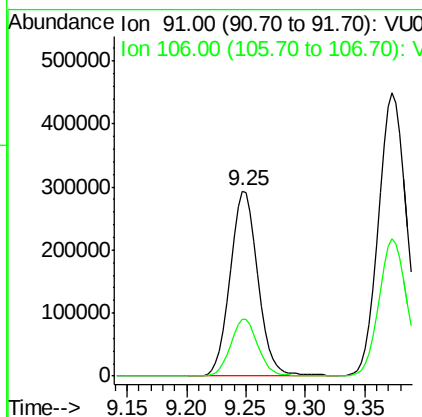
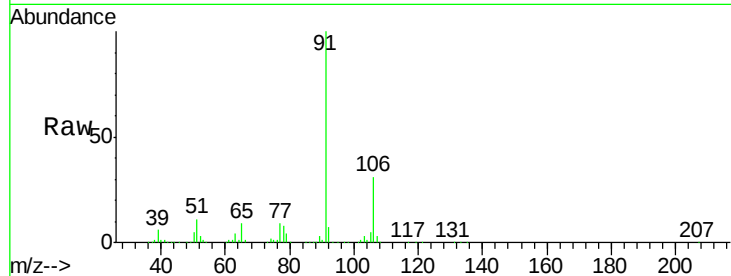
#67  
Ethyl Benzene  
Concen: 22.410 ug/l  
RT: 9.25 min Scan# 2511  
Delta R.T. -0.00 min  
Lab File: VU028470.D  
Acq: 05 Dec 2018 11:19

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1205WBS01

Tgt Ion: 91 Resp: 477687  
Ion Ratio Lower Upper  
91 100  
106 31.1 23.3 34.9

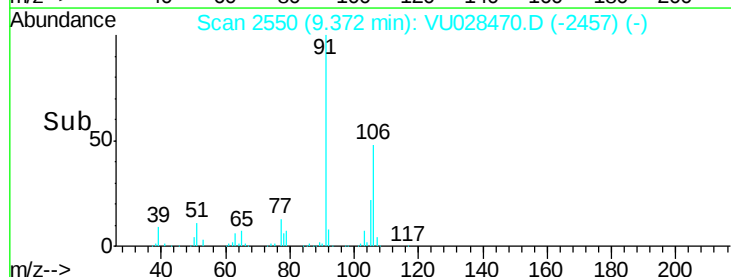
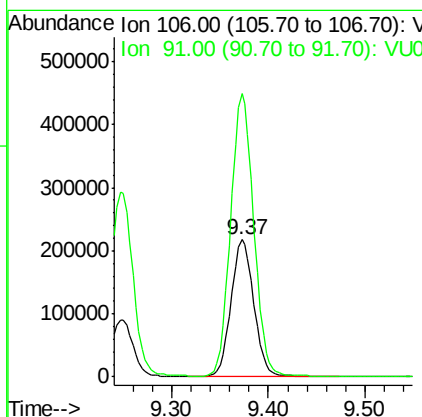
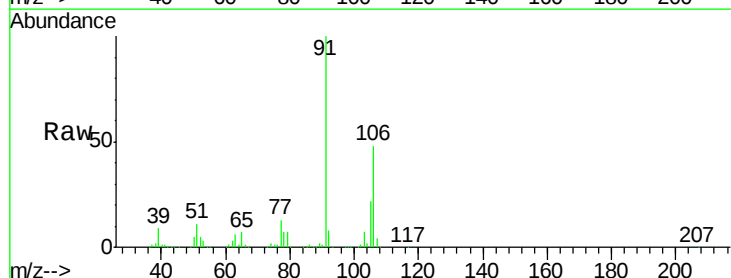
Manual Integrations  
APPROVED

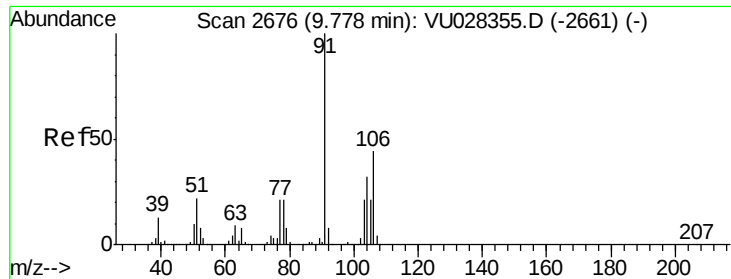
MMDadoda  
12/6/2018 4:53:12 PM



#68  
m/p-Xylenes  
Concen: 46.649 ug/l  
RT: 9.37 min Scan# 2550  
Delta R.T. -0.00 min  
Lab File: VU028470.D  
Acq: 05 Dec 2018 11:19

Tgt Ion: 106 Resp: 357912  
Ion Ratio Lower Upper  
106 100  
91 206.7 171.0 256.6





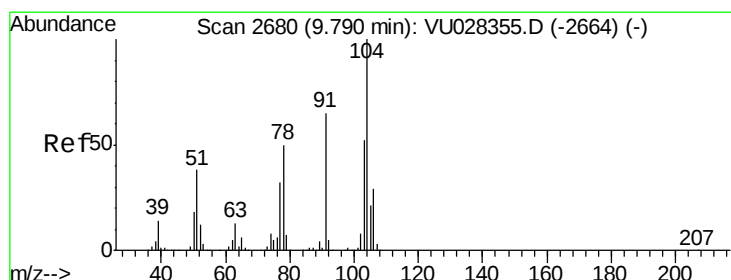
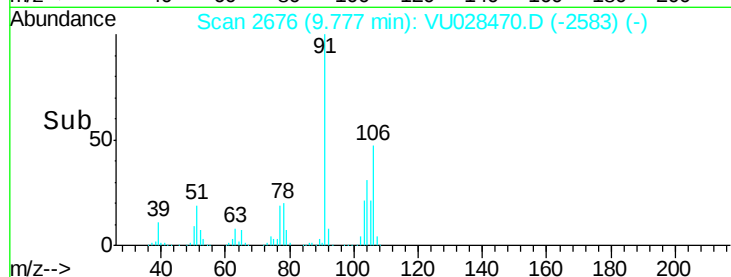
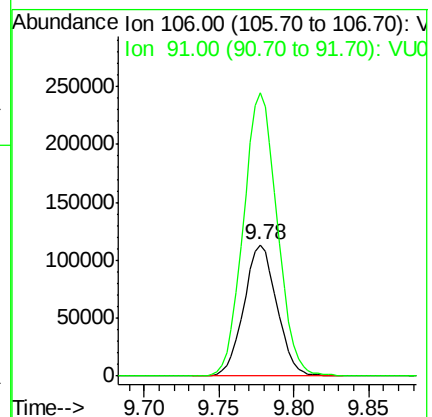
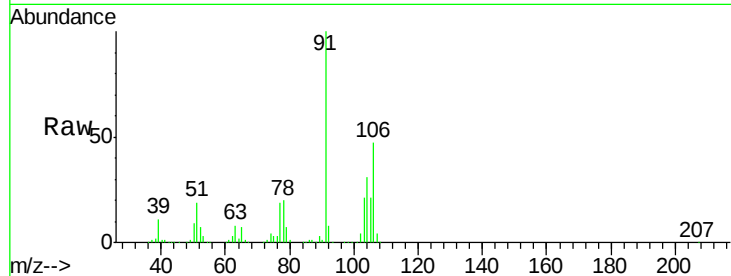
#69  
o-Xylene  
Concen: 22.828 ug/l  
RT: 9.78 min Scan# 2676  
Delta R.T. -0.00 min  
Lab File: VU028470.D  
Acq: 05 Dec 2018 11:19

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1205WBS01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 106     | 100   | 174112 |       |       |
| 91      | 221.5 | 112.7  | 338.0 |       |

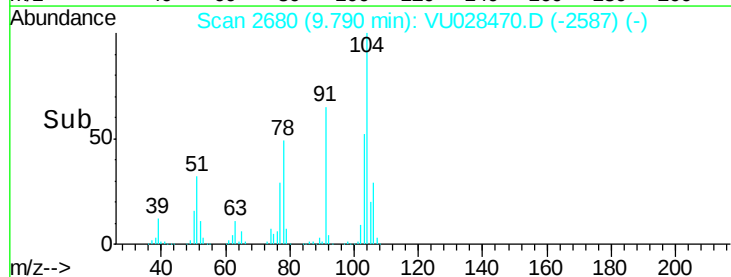
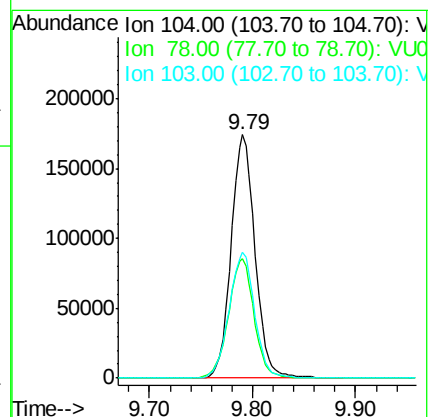
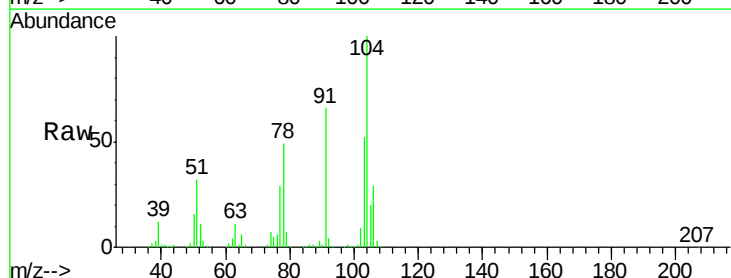
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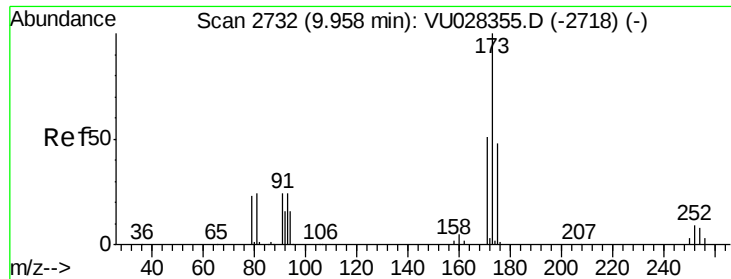
MMDadoda  
12/6/2018 4:53:12 PM



#70  
Styrene  
Concen: 22.883 ug/l  
RT: 9.79 min Scan# 2680  
Delta R.T. -0.00 min  
Lab File: VU028470.D  
Acq: 05 Dec 2018 11:19

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 104     | 100   | 281476 |       |       |
| 78      | 52.3  | 43.3   | 64.9  |       |
| 103     | 55.3  | 44.8   | 67.2  |       |





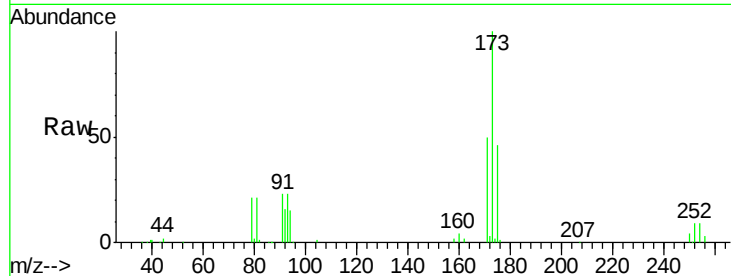
#71  
Bromoform  
Concen: 21.998 ug/l  
RT: 9.96 min Scan# 2732  
Delta R.T. -0.00 min  
Lab File: VU028470.D  
Acq: 05 Dec 2018 11:19

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1205WBS01

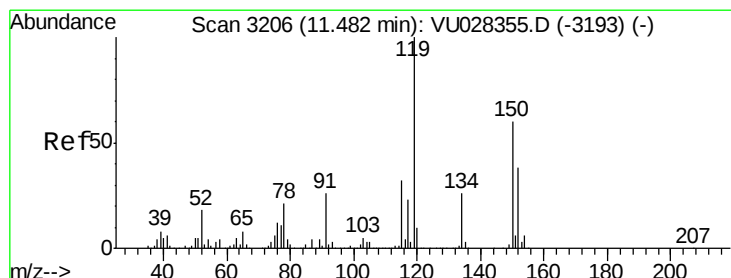
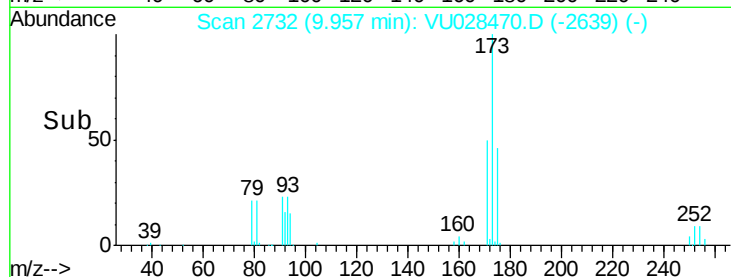
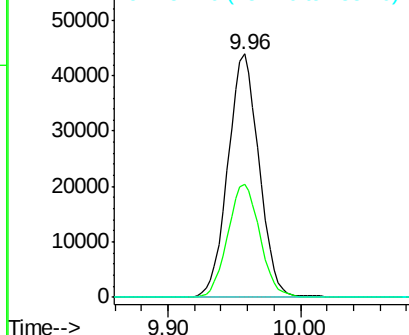
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.0  | 24.1  | 72.4  |
| 254     | 0.0   | 0.0   | 0.0   |

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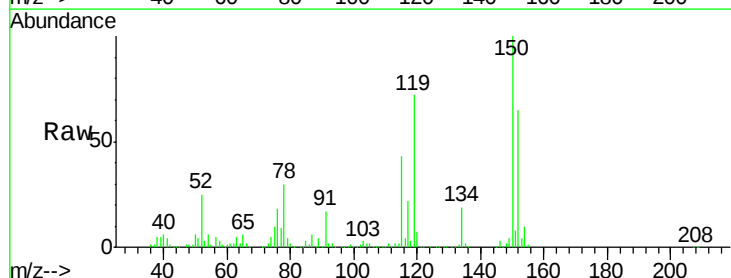


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

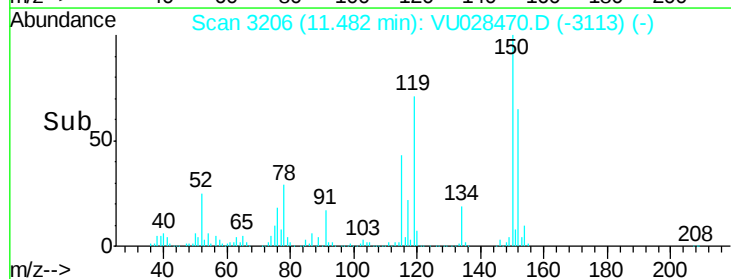
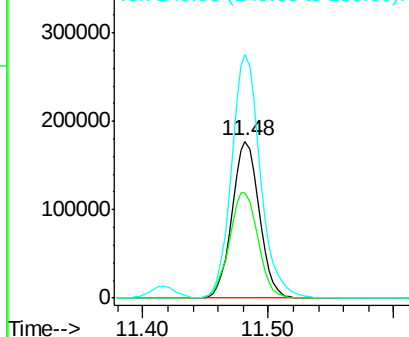


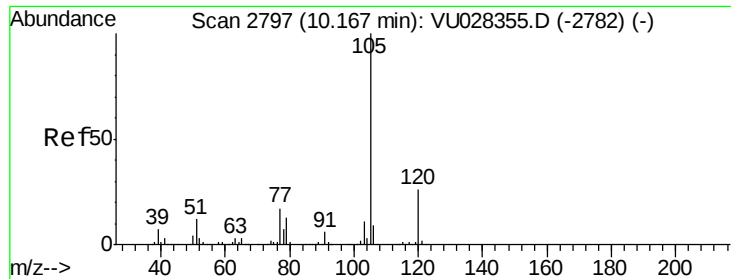
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.48 min Scan# 3206  
Delta R.T. -0.00 min  
Lab File: VU028470.D  
Acq: 05 Dec 2018 11:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 70.7  | 45.0  | 134.8 |
| 150     | 163.4 | 0.0   | 349.2 |



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: 22.271 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

Instrument :

MSVOA\_U

ClientSampleId :

VU1205WBS01

Tgt Ion: 105 Resp: 463145

Ion Ratio Lower Upper

105 100

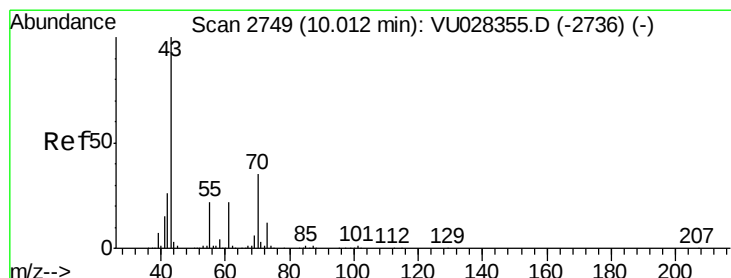
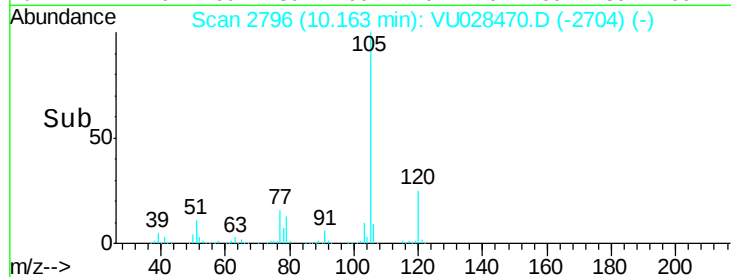
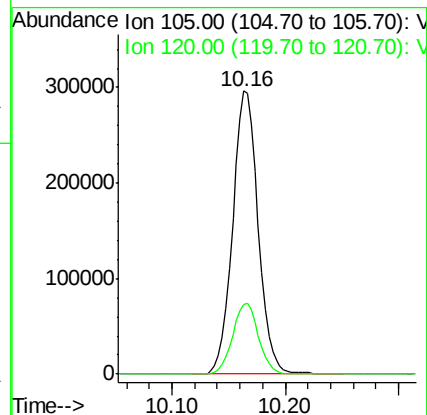
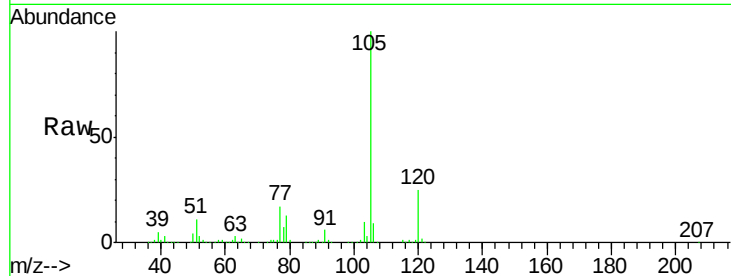
120 25.4 12.8 38.3

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#74

N-ethyl acetate

Concen: 18.457 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

Tgt Ion: 43 Resp: 240485

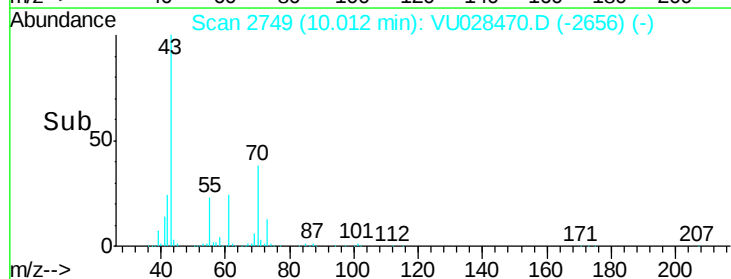
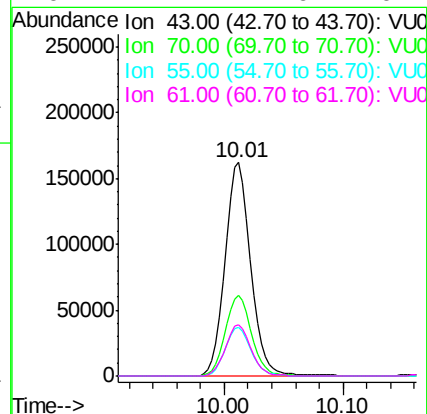
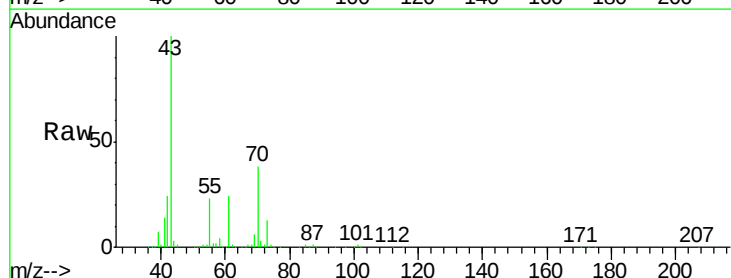
Ion Ratio Lower Upper

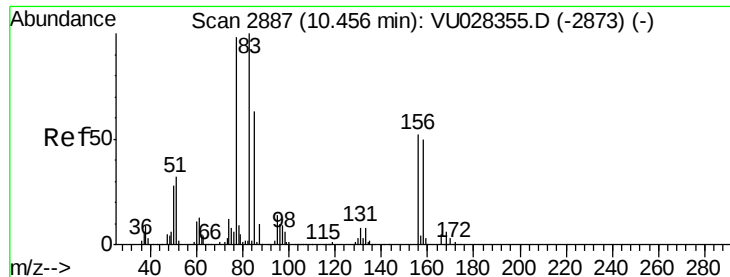
43 100

70 38.5 28.4 42.6

55 23.6 18.0 27.0

61 24.2 17.6 26.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.802 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

Instrument :

MSVOA\_U

ClientSampled :

VU1205WBS01

Tgt Ion: 83 Resp: 169338  
Ion Ratio Lower Upper

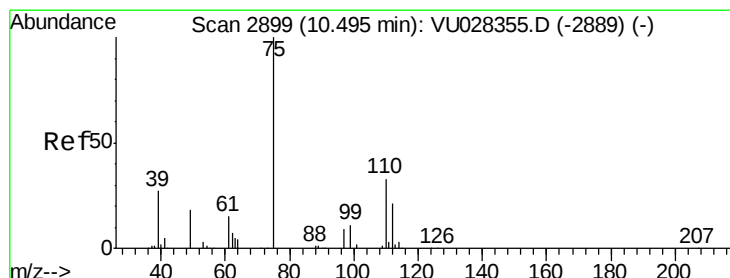
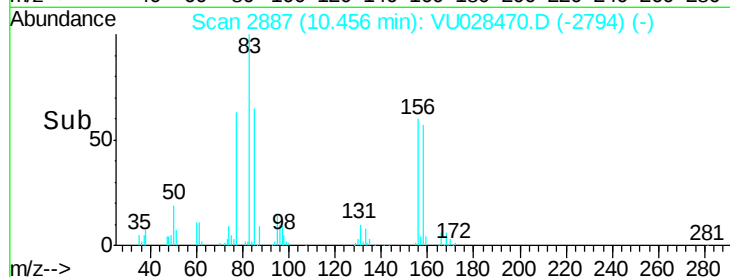
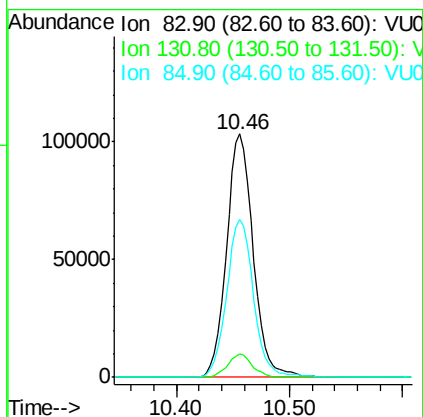
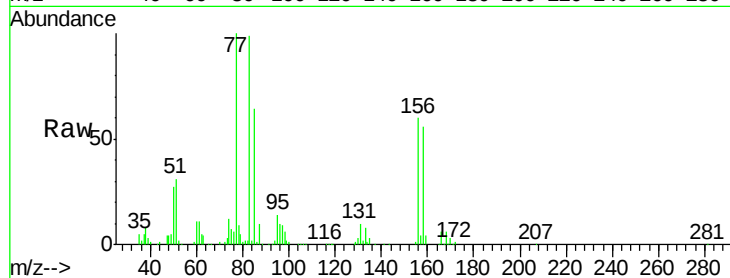
83 100

131 8.9 4.0 12.2

85 65.4 31.8 95.4

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#76

1,2,3-Trichloropropane

Concen: 20.586 ug/l m

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

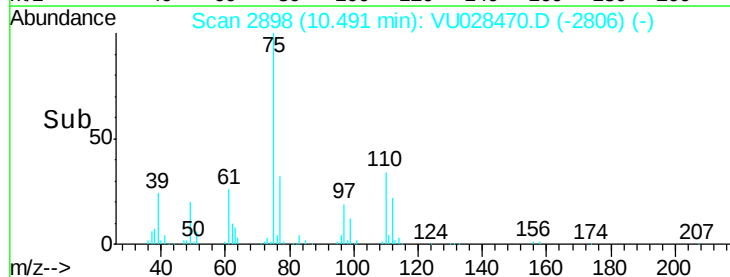
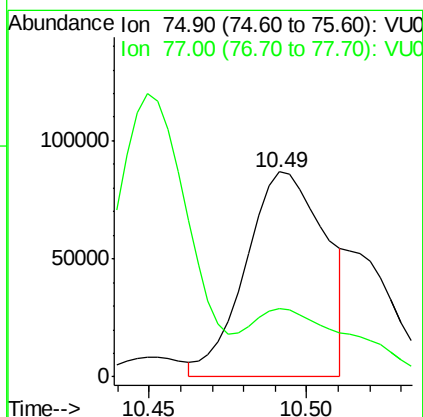
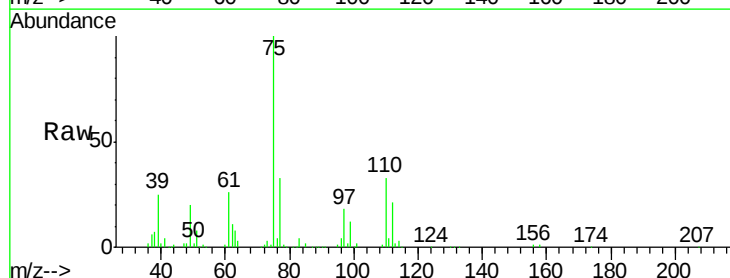
Lab File: VU028470.D

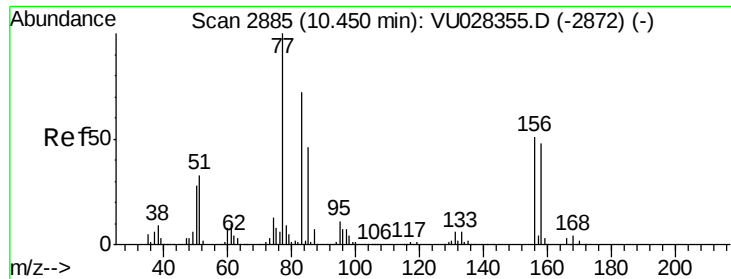
Acq: 05 Dec 2018 11:19

Tgt Ion: 75 Resp: 152639  
Ion Ratio Lower Upper

75 100

77 42.3 22.4 67.0





#77

Bromobenzene

Concen: 22.467 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

Instrument :

MSVOA\_U

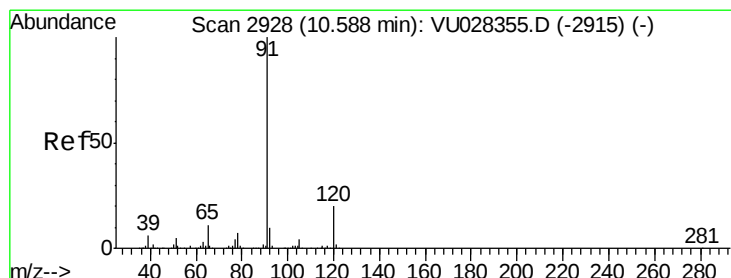
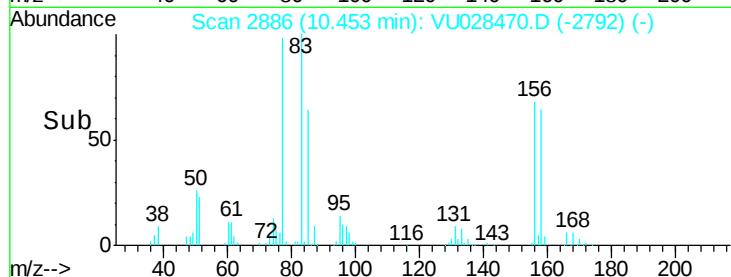
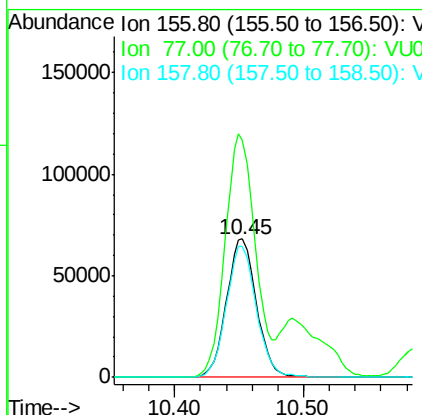
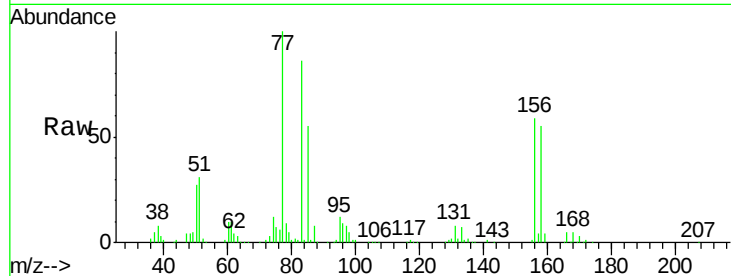
ClientSampleId :

VU1205WBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 175.3 | 97.0  | 290.9 |
| 158     | 95.1  | 46.8  | 140.4 |

Manual Integrations  
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#78

n-propylbenzene

Concen: 21.683 ug/l

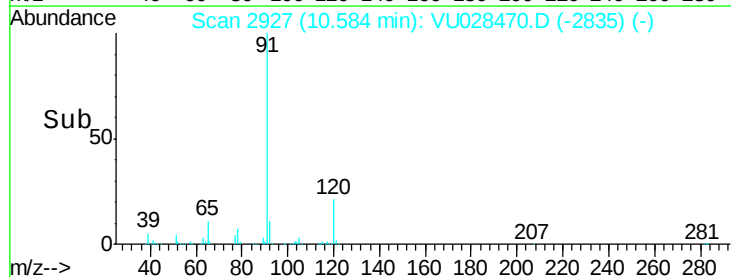
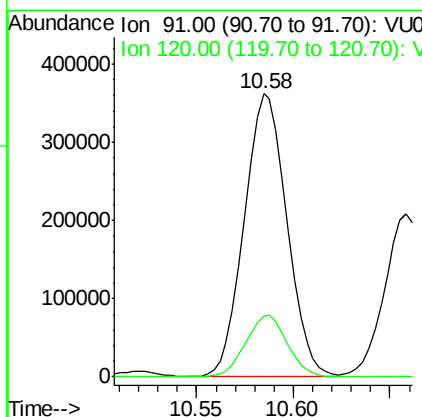
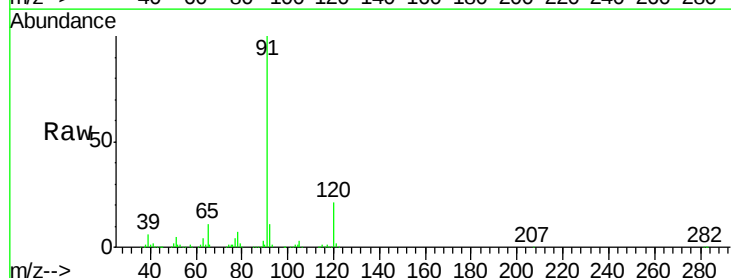
RT: 10.58 min Scan# 2927

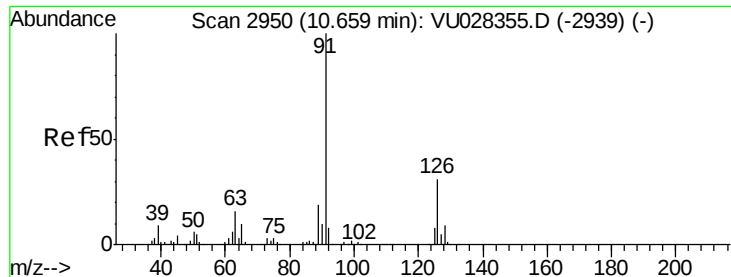
Delta R.T. -0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 21.3  | 10.3  | 30.8  |





#79

2-Chlorotoluene

Concen: 21.835 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

Instrument :

MSVOA\_U

ClientSampleId :

VU1205WBS01

Tgt Ion: 91 Resp: 330218

Ion Ratio Lower Upper

91 100

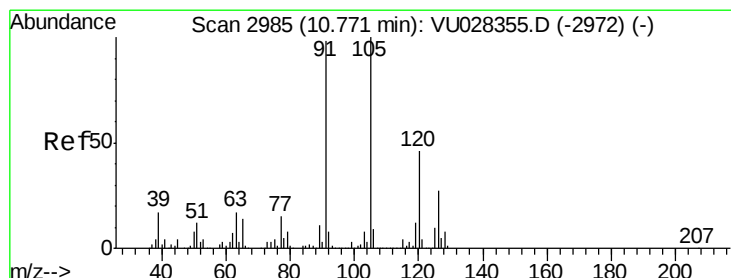
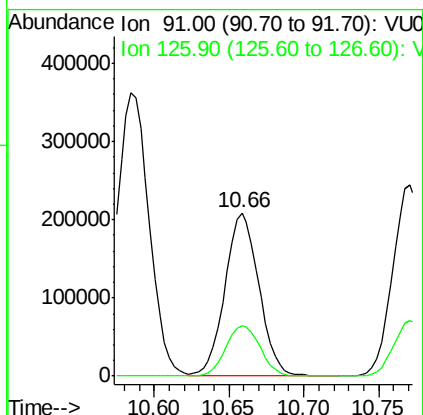
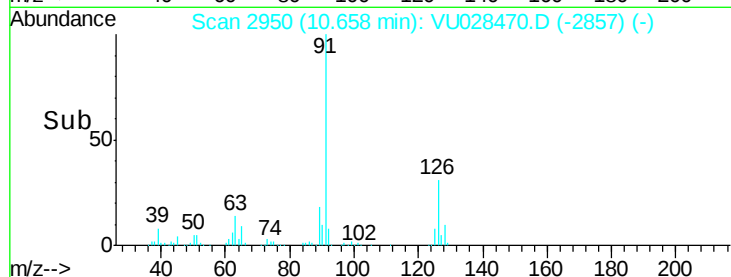
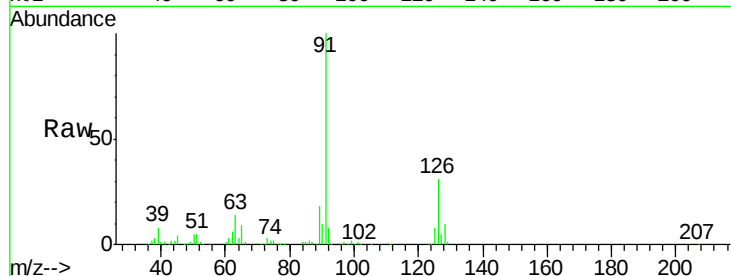
126 31.5 15.4 46.1

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#80

1,3,5-Trimethylbenzene

Concen: 21.719 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028470.D

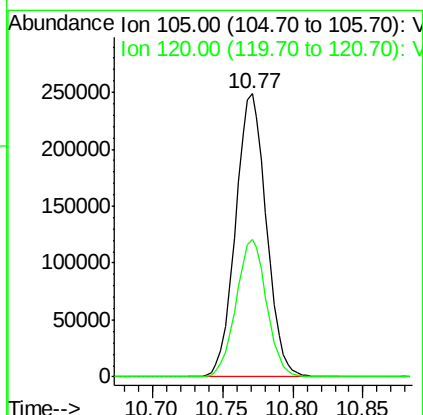
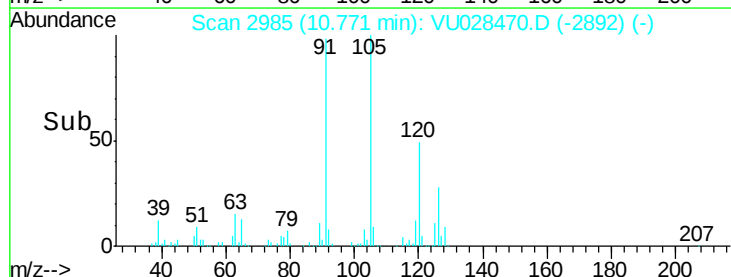
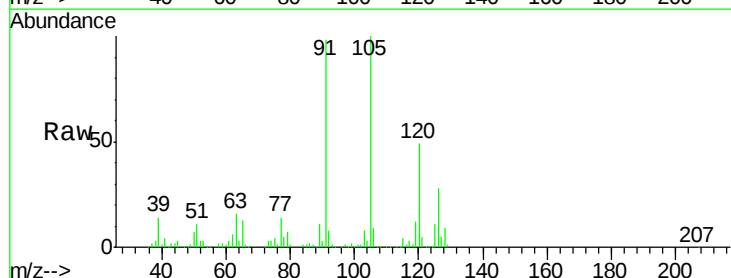
Acq: 05 Dec 2018 11:19

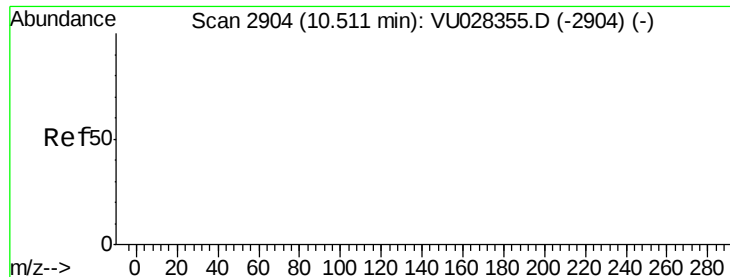
Tgt Ion: 105 Resp: 380609

Ion Ratio Lower Upper

105 100

120 48.1 23.4 70.0





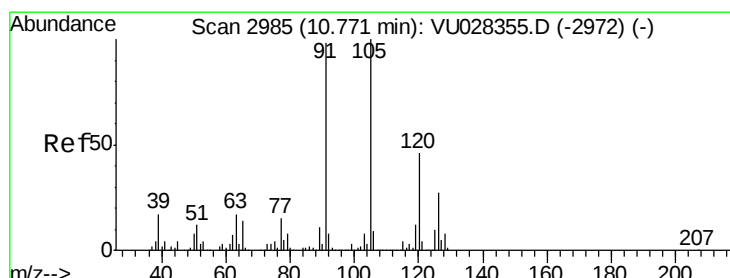
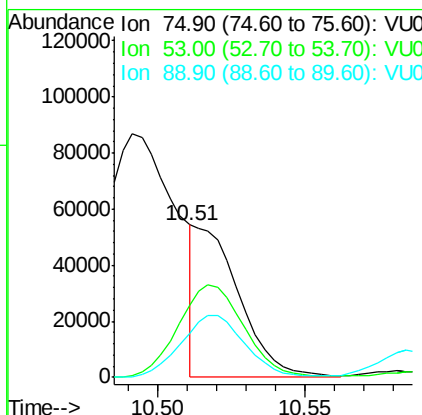
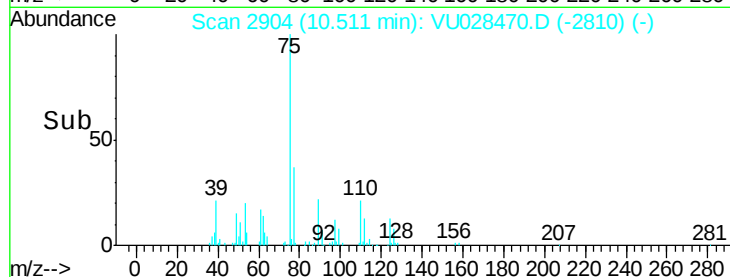
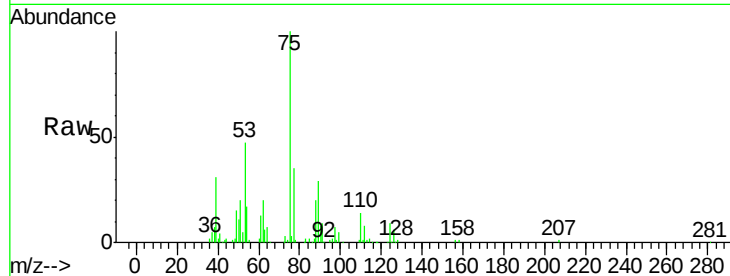
#81  
trans-1,4-Dichloro-2-butene  
Concen: 20.397 ug/l m  
RT: 10.51 min Scan# 2904  
Delta R.T. 0.00 min  
Lab File: VU028470.D  
Acq: 05 Dec 2018 11:19

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1205WBS01

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 75      | 100   |            |            |
| 53      | 0.0   | 0.0        | 0.0        |
| 89      | 0.0   | 0.0        | 0.0        |

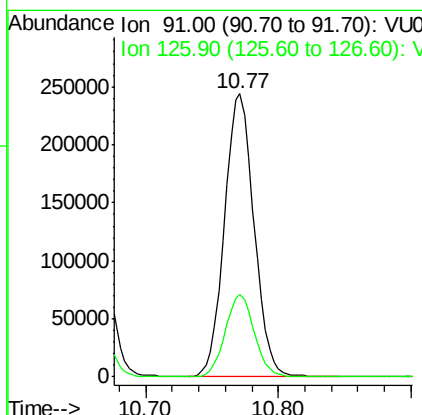
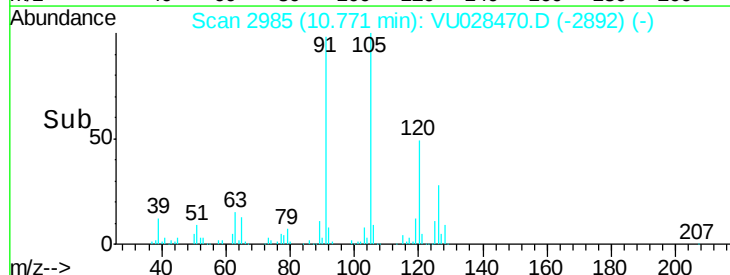
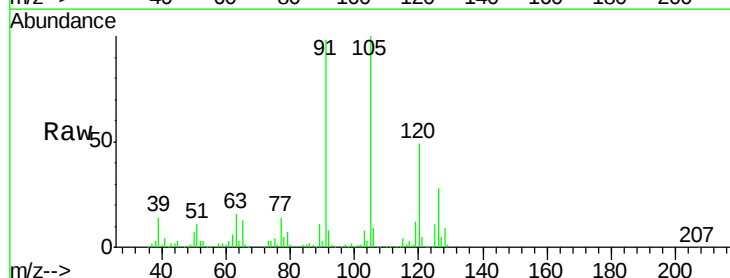
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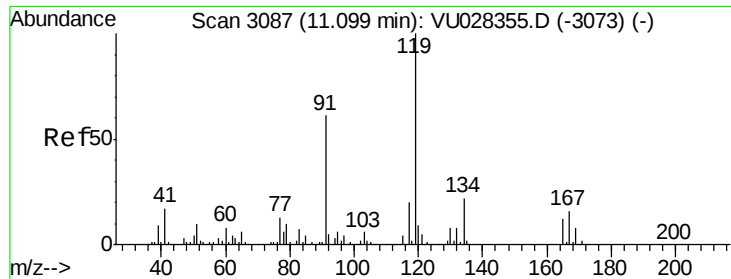
MMDadoda  
12/6/2018 4:53:12 PM



#82  
4-Chlorotoluene  
Concen: 21.603 ug/l  
RT: 10.77 min Scan# 2985  
Delta R.T. -0.00 min  
Lab File: VU028470.D  
Acq: 05 Dec 2018 11:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 28.6  | 13.9  | 41.6  |





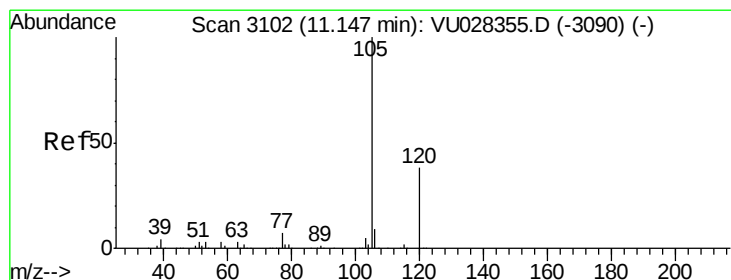
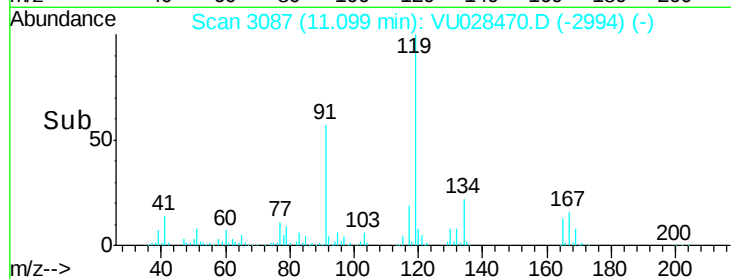
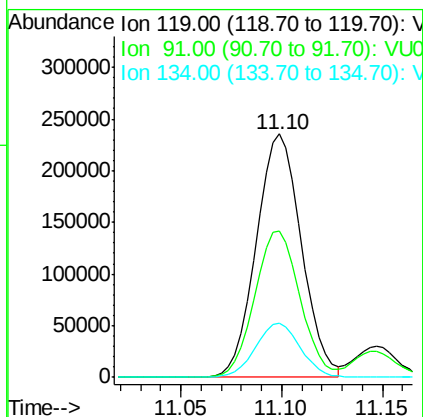
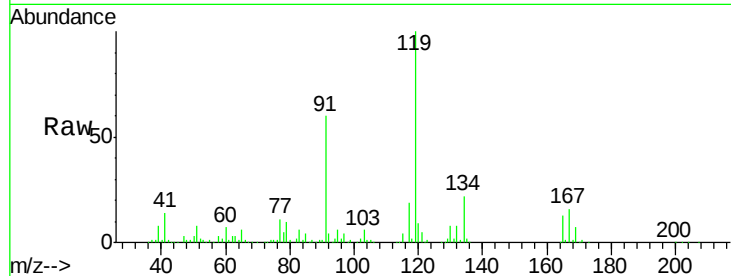
#83  
 tert-Butylbenzene  
 Concen: 22.511 ug/l  
 RT: 11.10 min Scan# 3087  
 Delta R.T. -0.00 min  
 Lab File: VU028470.D  
 Acq: 05 Dec 2018 11:19

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1205WBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 60.6  | 30.8  | 92.4  |
| 134     | 22.0  | 11.1  | 33.1  |

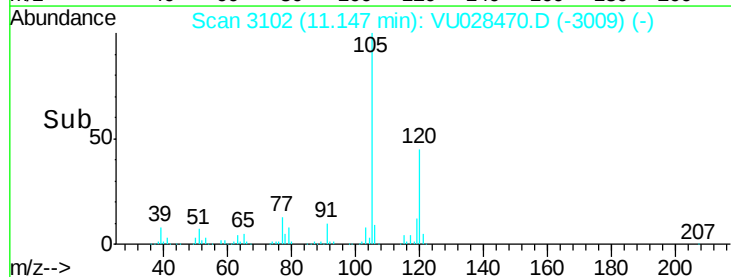
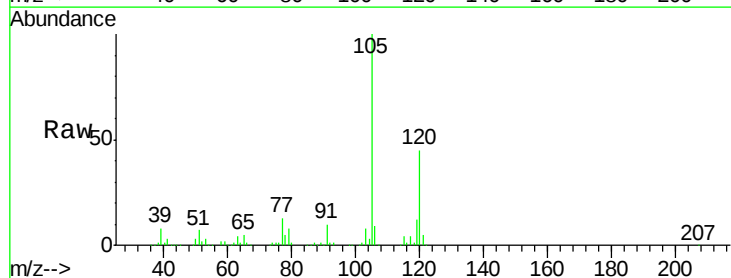
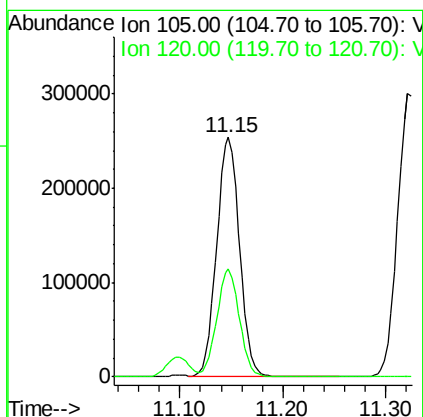
Manual Integrations  
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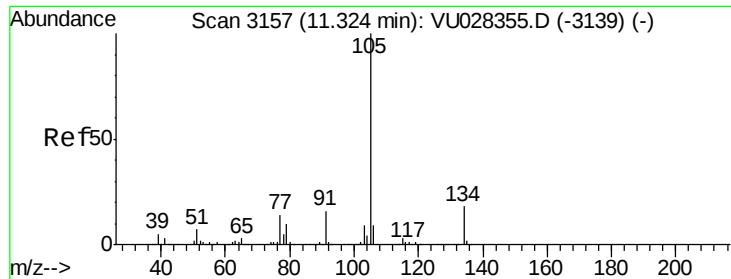
MMDadoda  
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#84  
 1,2,4-Trimethylbenzene  
 Concen: 22.052 ug/l  
 RT: 11.15 min Scan# 3102  
 Delta R.T. -0.00 min  
 Lab File: VU028470.D  
 Acq: 05 Dec 2018 11:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 44.3  | 21.4  | 64.3  |





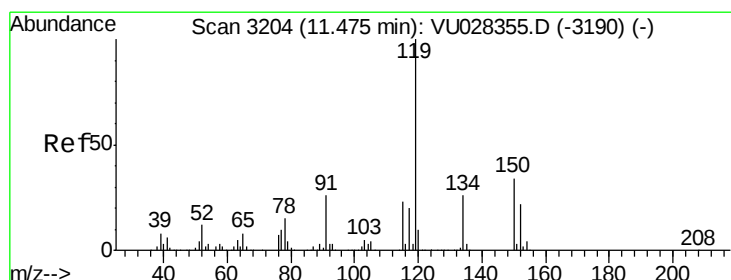
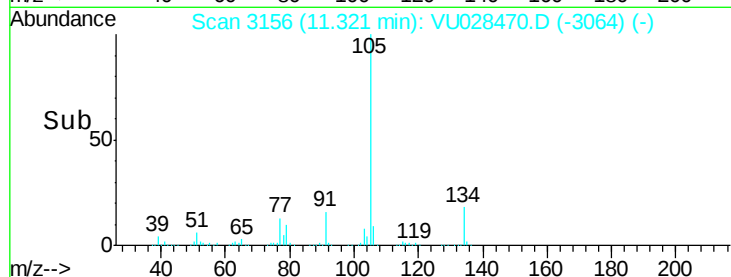
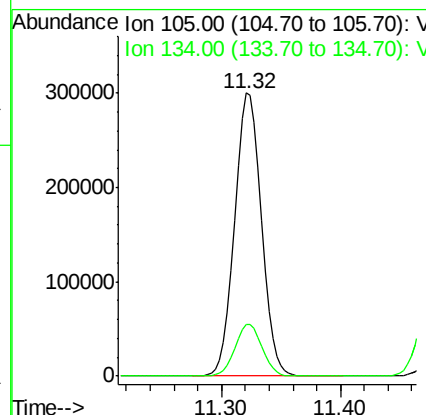
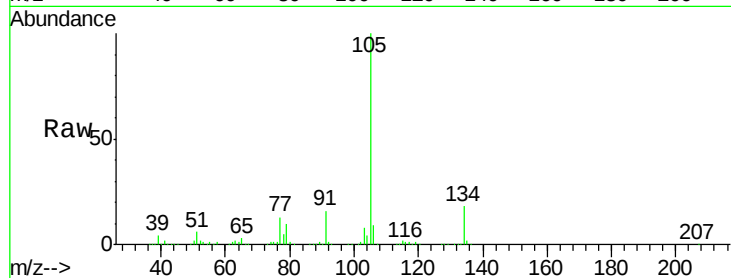
#85  
 sec-Butylbenzene  
 Concen: 22.011 ug/l  
 RT: 11.32 min Scan# 3156  
 Delta R.T. -0.00 min  
 Lab File: VU028470.D  
 Acq: 05 Dec 2018 11:19

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1205WBS01

Tgt Ion:105 Resp: 467035  
 Ion Ratio Lower Upper  
 105 100  
 134 18.5 9.3 27.7

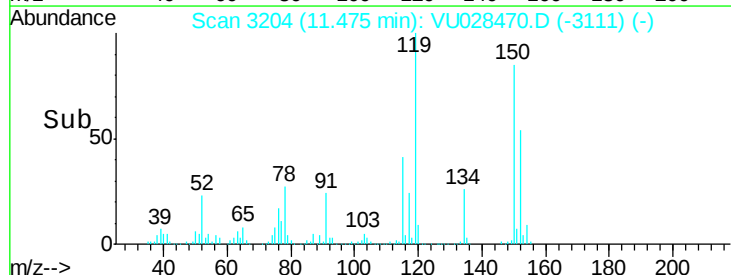
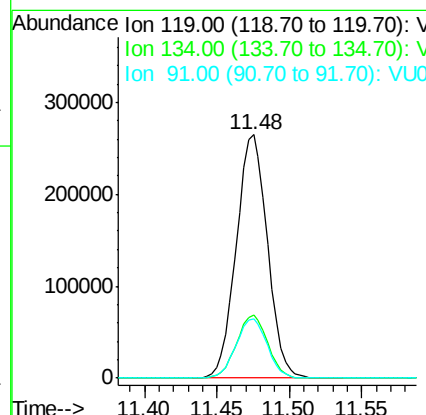
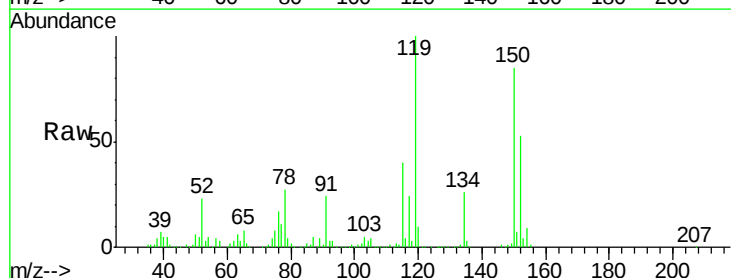
Manual Integrations  
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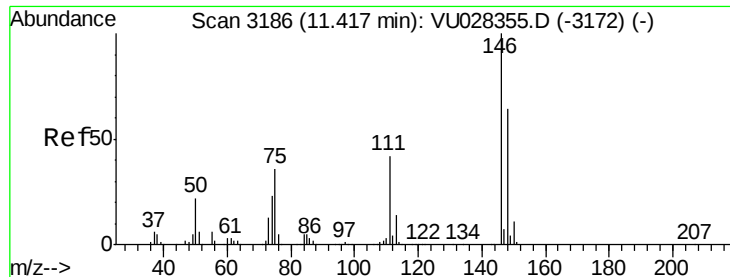
MMDadoda  
 12/6/2018 4:53:12 PM



#86  
 p-Isopropyltoluene  
 Concen: 22.542 ug/l  
 RT: 11.48 min Scan# 3204  
 Delta R.T. -0.00 min  
 Lab File: VU028470.D  
 Acq: 05 Dec 2018 11:19

Tgt Ion:119 Resp: 393283  
 Ion Ratio Lower Upper  
 119 100  
 134 26.0 12.8 38.3  
 91 24.6 13.1 39.1





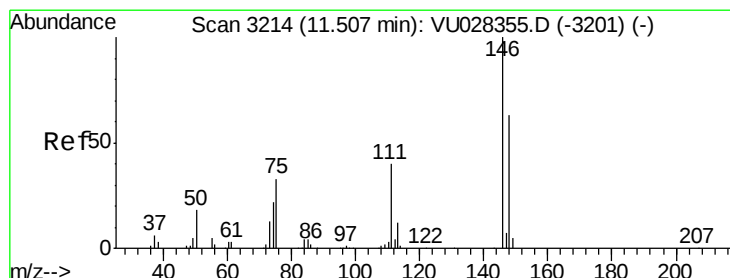
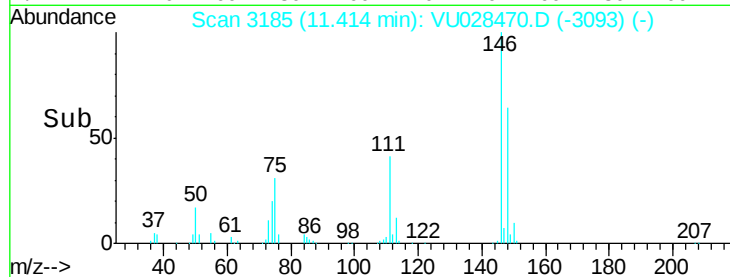
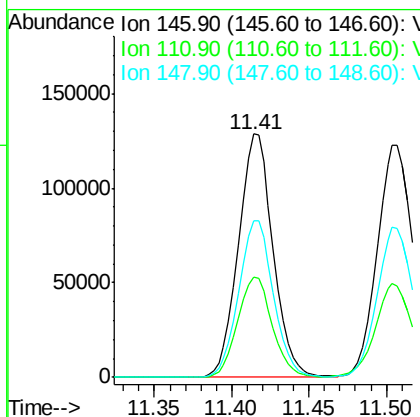
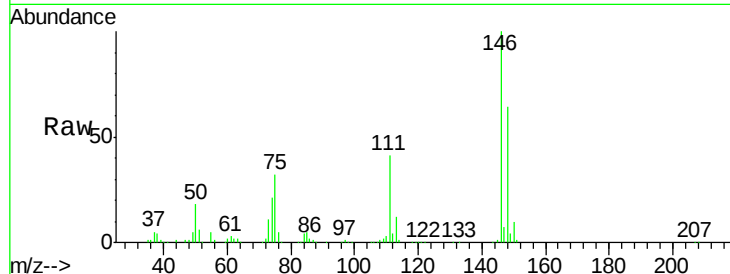
#87  
 1,3-Dichlorobenzene  
 Concen: 22.377 ug/l  
 RT: 11.41 min Scan# 3185  
 Delta R.T. -0.00 min  
 Lab File: VU028470.D  
 Acq: 05 Dec 2018 11:19

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1205WBS01

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 146     | 100   |            |            |
| 111     | 41.2  | 20.8       | 62.4       |
| 148     | 64.6  | 31.8       | 95.3       |

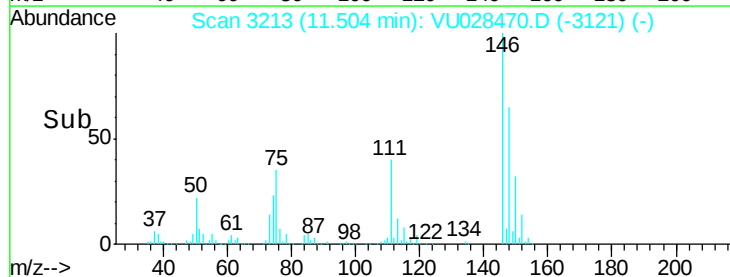
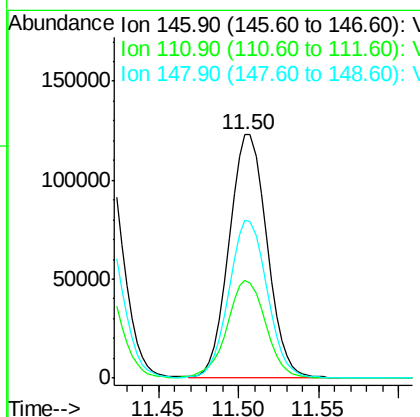
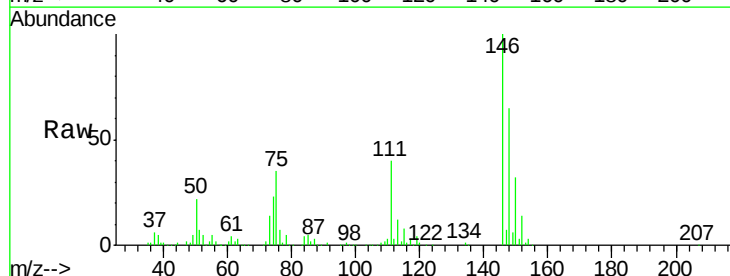
Manual Integrations  
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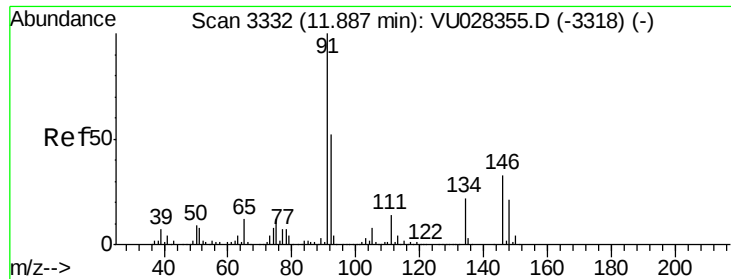
MMDadoda  
 12/6/2018 4:53:12 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 22.011 ug/l  
 RT: 11.50 min Scan# 3213  
 Delta R.T. -0.00 min  
 Lab File: VU028470.D  
 Acq: 05 Dec 2018 11:19

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 146     | 100   |            |            |
| 111     | 41.5  | 20.6       | 61.9       |
| 148     | 65.9  | 31.1       | 93.5       |





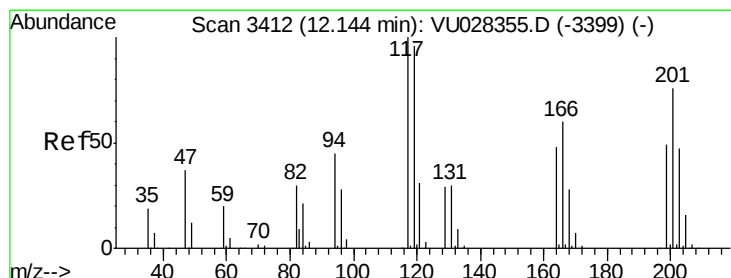
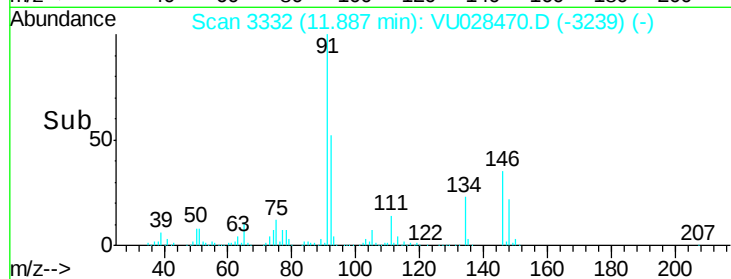
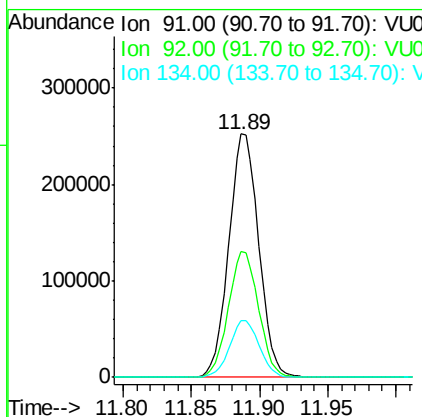
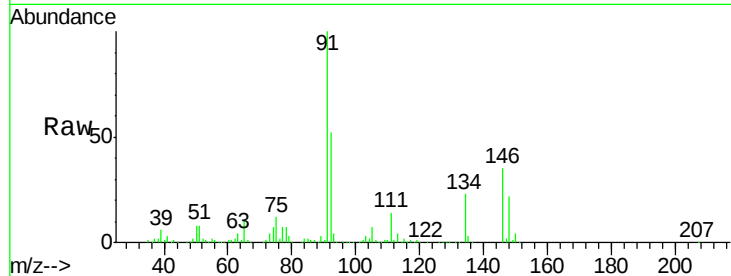
#89  
n-Butylbenzene  
Concen: 22.324 ug/l  
RT: 11.89 min Scan# 3332  
Delta R.T. -0.00 min  
Lab File: VU028470.D  
Acq: 05 Dec 2018 11:19

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1205WBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.1  | 26.2  | 78.5  |
| 134     | 23.2  | 11.1  | 33.1  |

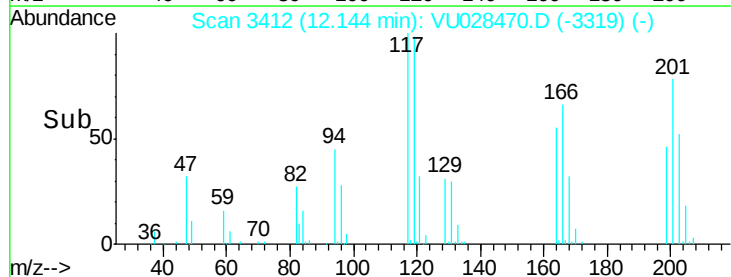
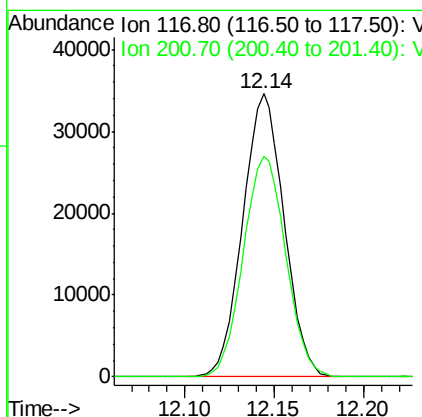
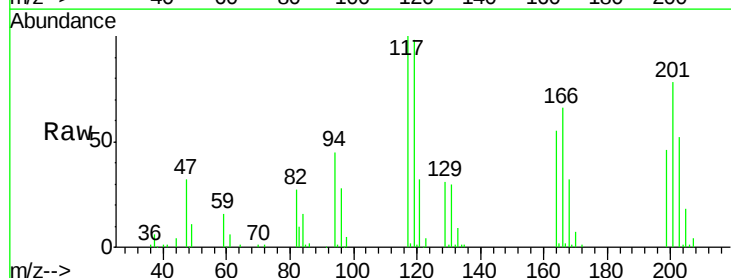
Manual Integrations  
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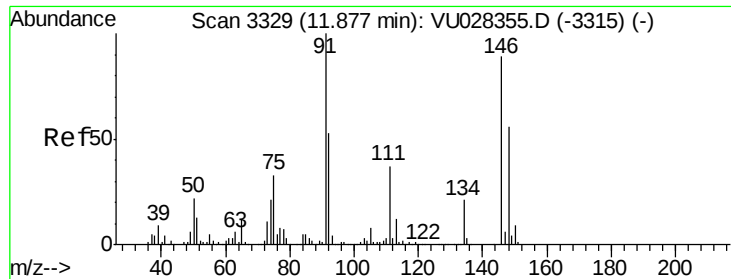
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#90  
Hexachloroethane  
Concen: 20.614 ug/l  
RT: 12.14 min Scan# 3412  
Delta R.T. -0.00 min  
Lab File: VU028470.D  
Acq: 05 Dec 2018 11:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 80.1  | 37.7  | 113.1 |





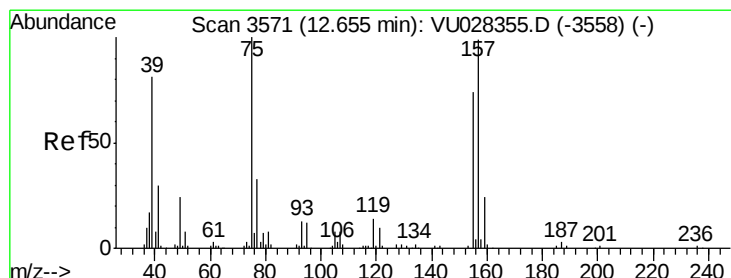
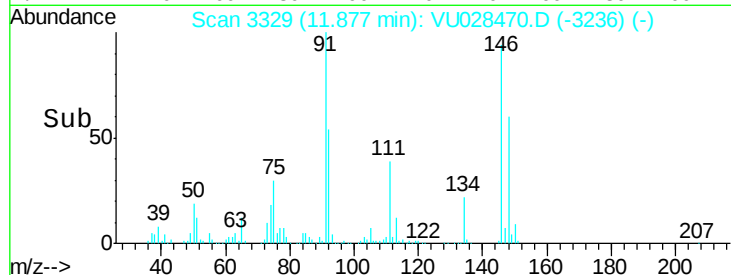
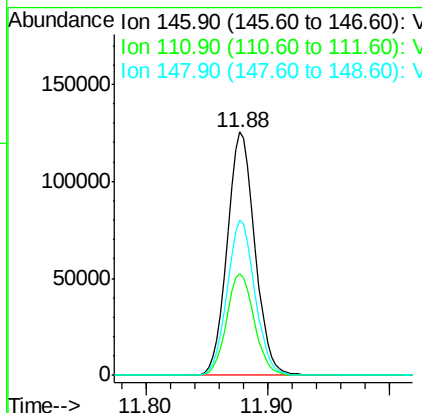
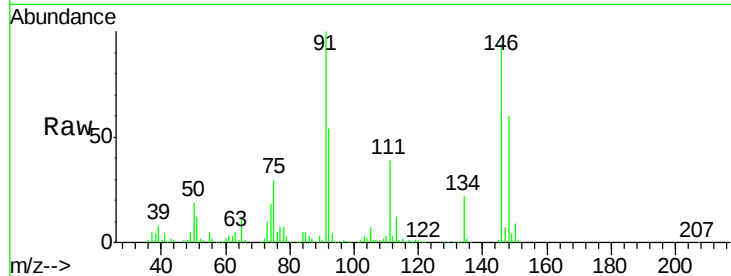
#91  
 1,2-Dichlorobenzene  
 Concen: 22.331 ug/l  
 RT: 11.88 min Scan# 3329  
 Delta R.T. -0.00 min  
 Lab File: VU028470.D  
 Acq: 05 Dec 2018 11:19

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1205WBS01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 199118 |       |       |
| 111     | 41.9  | 21.4   | 64.3  |       |
| 148     | 64.1  | 32.2   | 96.6  |       |

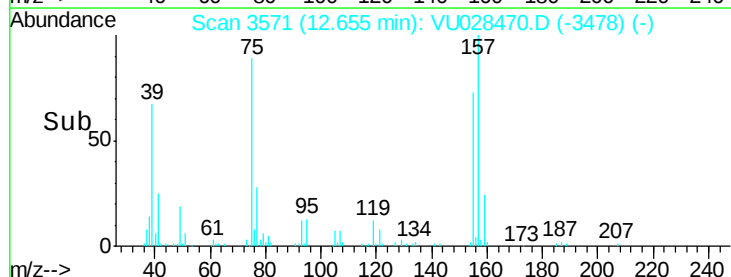
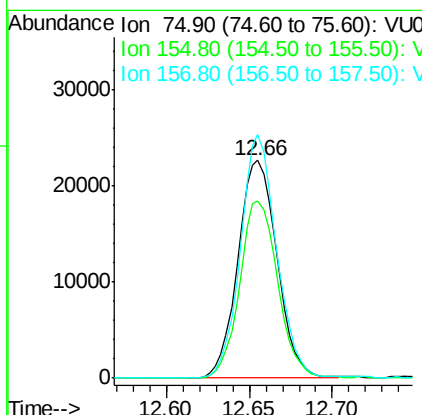
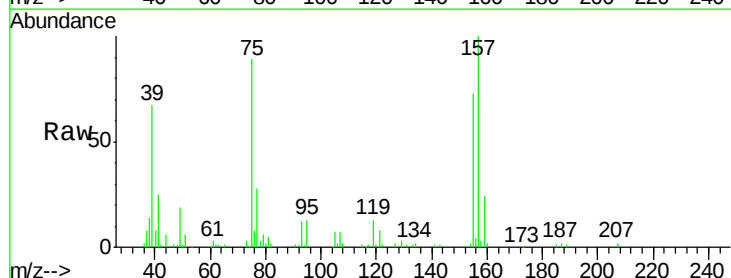
Manual Integrations  
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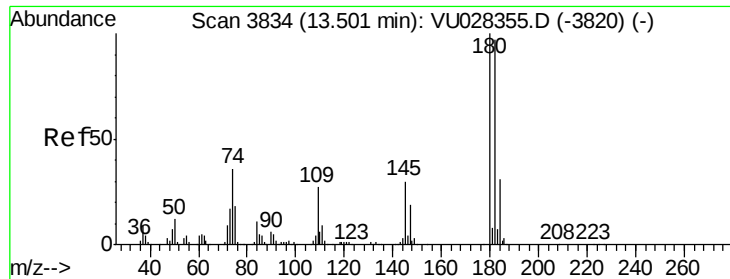
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 19.569 ug/l  
 RT: 12.66 min Scan# 3571  
 Delta R.T. -0.00 min  
 Lab File: VU028470.D  
 Acq: 05 Dec 2018 11:19

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 37224 |       |       |
| 155     | 78.8  | 36.9  | 110.7 |       |
| 157     | 103.0 | 47.5  | 142.5 |       |





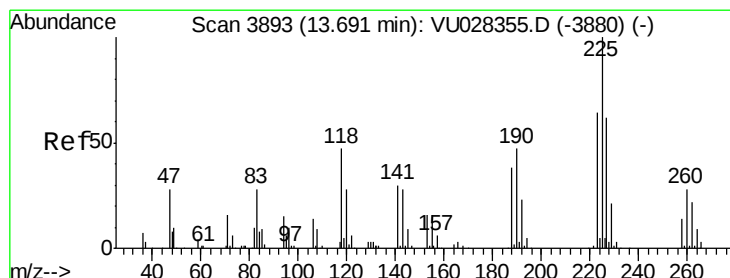
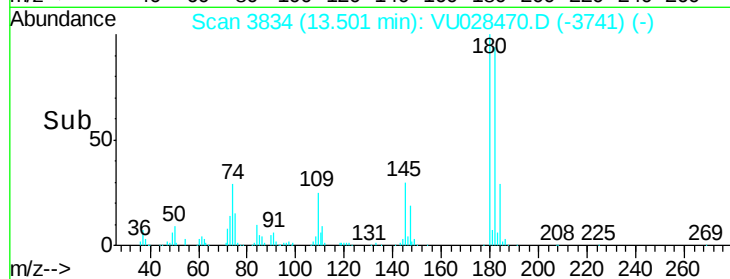
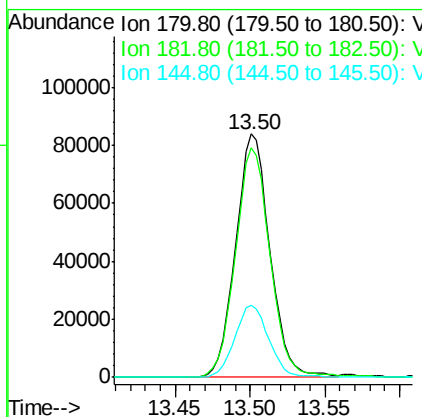
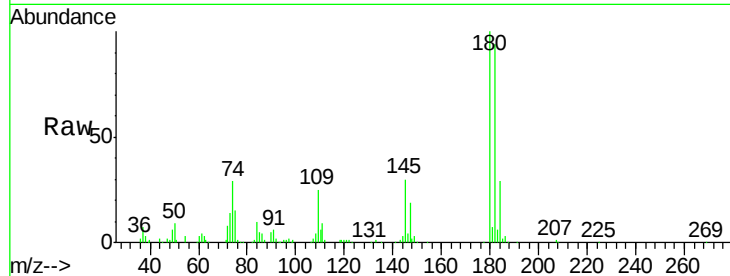
#93  
 1,2,4-Trichlorobenzene  
 Concen: 22.933 ug/l  
 RT: 13.50 min Scan# 3834  
 Delta R.T. -0.00 min  
 Lab File: VU028470.D  
 Acq: 05 Dec 2018 11:19

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1205WBS01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 133852 |       |       |
| 182     | 95.9  | 48.3   | 144.9 |       |
| 145     | 29.5  | 15.2   | 45.5  |       |

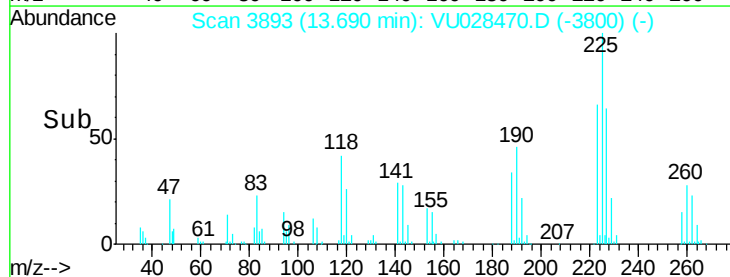
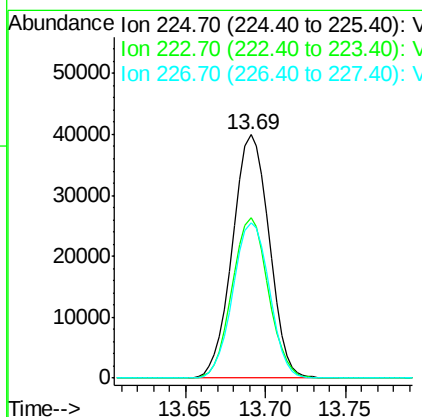
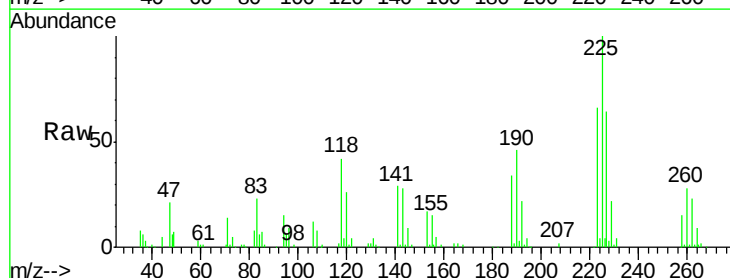
Manual Integrations  
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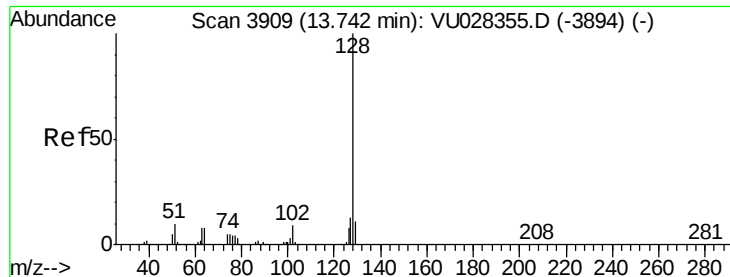
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#94  
 Hexachlorobutadiene  
 Concen: 22.625 ug/l  
 RT: 13.69 min Scan# 3893  
 Delta R.T. -0.00 min  
 Lab File: VU028470.D  
 Acq: 05 Dec 2018 11:19

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 62356 |       |       |
| 223     | 65.0  | 31.6  | 94.7  |       |
| 227     | 63.4  | 30.8  | 92.4  |       |





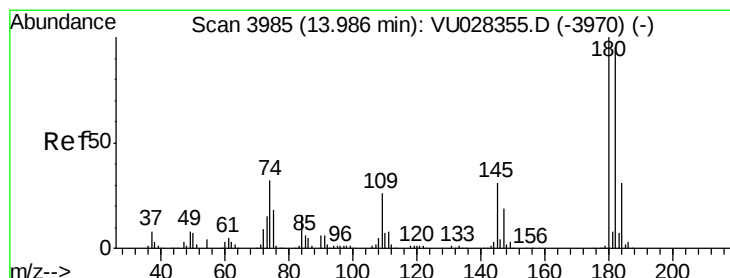
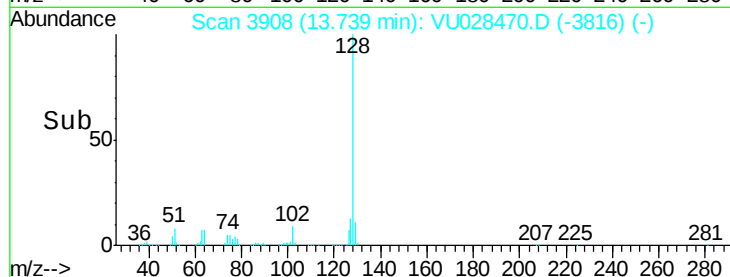
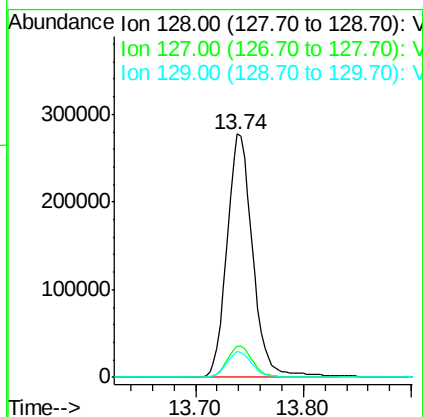
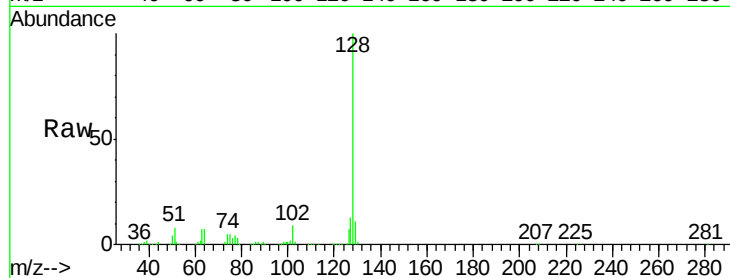
#95  
Naphthalene  
Concen: 22.206 ug/l  
RT: 13.74 min Scan# 3908  
Delta R.T. -0.00 min  
Lab File: VU028470.D  
Acq: 05 Dec 2018 11:19

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1205WBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.7  | 10.6  | 15.8  |
| 129     | 10.1  | 8.6   | 12.8  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 23.489 ug/l  
RT: 13.99 min Scan# 3985  
Delta R.T. -0.00 min  
Lab File: VU028470.D  
Acq: 05 Dec 2018 11:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.6  | 47.7  | 143.1 |
| 145     | 31.0  | 15.7  | 47.1  |

