

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071119\  
 Data File : VU033205.D  
 Acq On : 11 Jul 2019 23:14  
 Operator : JC/SP  
 Sample : VU0711WBS01  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0711WBS01

Manual Integrations  
 APPROVED

Quant Time: Jul 12 06:06:39 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U071119DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Fri Jul 12 05:19:33 2019  
 Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
| 1) Fluorobenzene   | 5.72 | 96   | 30344    | 1.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                            |       |     |          |      |         |      |
|----------------------------|-------|-----|----------|------|---------|------|
| 57) 4-Bromofluorobenzene   | 10.29 | 95  | 11738    | 1.02 | ug/l    | 0.00 |
| Spiked Amount              | 1.000 |     | Recovery | =    | 102.00% |      |
| 68) 1,2-Dichlorobenzene-d4 | 11.85 | 152 | 12058    | 0.97 | ug/l    | 0.00 |
| Spiked Amount              | 1.000 |     | Recovery | =    | 97.00%  |      |

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## Target Compounds

| Target Compounds              | R.T. | QIon | Response | Conc   | Units  | Ovalue |
|-------------------------------|------|------|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85   | 21987    | 1.854  | ug/l   | 98     |
| 3) Chloromethane              | 1.32 | 50   | 26940    | 1.945  | ug/l   | 97     |
| 4) Vinyl Chloride             | 1.39 | 62   | 27097    | 1.898  | ug/l   | 99     |
| 5) Bromomethane               | 1.62 | 94   | 19515    | 2.191  | ug/l   | 98     |
| 6) Chloroethane               | 1.69 | 64   | 16920    | 1.932  | ug/l   | 98     |
| 7) Trichlorofluoromethane     | 1.87 | 101  | 36931    | 1.912  | ug/l   | 98     |
| 8) 1,1,2-Trichloro-1,2,2-trif | 2.27 | 101  | 18432    | 1.859  | ug/l   | 99     |
| 9) 1,1-Dichloroethene         | 2.27 | 96   | 18296    | 1.828  | ug/l   | 98     |
| 10) Iodomethane               | 2.40 | 142  | 18187    | 1.721  | ug/l   | 99     |
| 11) Allyl Chloride            | 2.58 | 41   | 31203    | 1.866  | ug/l   | 98     |
| 12) Acrylonitrile             | 2.92 | 53   | 10149    | 3.661  | ug/l # | 88     |
| 13) Acetone                   | 2.31 | 43   | 21088    | 8.484  | ug/l   | 98     |
| 14) Carbon Disulfide          | 2.46 | 76   | 68301    | 1.869  | ug/l   | 99     |
| 15) Methylene Chloride        | 2.68 | 84   | 24718    | 1.847  | ug/l   | 99     |
| 16) trans-1,2-Dichloroethene  | 2.96 | 96   | 23178    | 2.022  | ug/l   | 86     |
| 17) 1,1-Dichloroethane        | 3.42 | 63   | 31488    | 1.892  | ug/l   | 99     |
| 18) 2-Butanone                | 4.26 | 43   | 22439    | 9.036  | ug/l   | 91     |
| 19) Cyclohexane               | 4.97 | 56   | 23527m   | 1.849  | ug/l   |        |
| 20) Methylcyclohexane         | 6.39 | 83   | 23787    | 1.784  | ug/l   | 98     |
| 21) 2,2-Dichloropropane       | 4.20 | 77   | 22424    | 1.604  | ug/l   | 99     |
| 22) cis-1,2-Dichloroethene    | 4.20 | 96   | 17777    | 1.867  | ug/l   | 97     |
| 23) Diethyl Ether             | 2.09 | 59   | 15630    | 1.791  | ug/l   | 95     |
| 24) tert-Butyl Alcohol        | 2.82 | 59   | 19106    | 17.961 | ug/l   | 97     |
| 25) Methyl tert-Butyl Ether   | 2.98 | 73   | 54921    | 1.882  | ug/l   | 100    |
| 26) Bromochloromethane        | 4.52 | 128  | 7467     | 1.770  | ug/l   | 93     |
| 27) Chloroform                | 4.65 | 83   | 34881    | 1.898  | ug/l   | 93     |
| 28) 1,1,1-Trichloroethane     | 4.89 | 97   | 27653    | 1.901  | ug/l   | 99     |
| 29) 1,1-Dichloropropene       | 5.11 | 75   | 22910    | 1.867  | ug/l   | 99     |
| 30) Carbon Tetrachloride      | 5.11 | 117  | 24224    | 1.885  | ug/l   | 97     |
| 31) Isopropyl Ether           | 3.55 | 45   | 40857    | 1.828  | ug/l   | 95     |
| 32) Ethyl-t-butyl ether       | 4.05 | 59   | 39745    | 1.824  | ug/l   | 99     |
| 33) Tert-Amyl methyl ether    | 5.56 | 73   | 35809    | 1.784  | ug/l   | 97     |
| 34) Propionitrile             | 4.32 | 54   | 5920     | 8.414  | ug/l # | 97     |
| 35) Benzene                   | 5.36 | 78   | 66323    | 1.854  | ug/l   | 99     |
| 36) 1,2-Dichloroethane        | 5.39 | 62   | 21859    | 1.888  | ug/l   | 100    |
| 37) Trichloroethene           | 6.16 | 130  | 16857    | 1.803  | ug/l   | 96     |
| 38) 1,2-Dichloropropane       | 6.41 | 63   | 18308    | 1.892  | ug/l   | 99     |
| 39) Methacrylonitrile         | 4.54 | 41   | 4916     | 1.685  | ug/l # | 65     |
| 40) Methyl acrylate           | 4.41 | 55   | 7202     | 1.667  | ug/l # | 93     |
| 41) Tetrahydrofuran           | 4.64 | 42   | 5129     | 3.352  | ug/l   | 99     |
| 42) 1-Chlorobutane            | 5.04 | 56   | 29717    | 1.783  | ug/l   | 94     |

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 Data File : VU033205.D  
 Acq On : 11 Jul 2019 23:14  
 Operator : JC/SP  
 Sample : VU0711WBS01  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0711WBS01

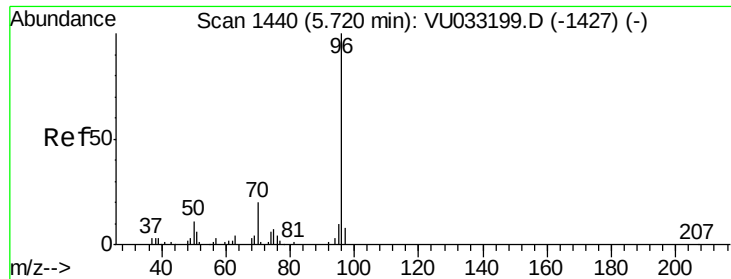
Manual Integrations  
 APPROVED

Quant Time: Jul 12 06:06:39 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U071119DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Fri Jul 12 05:19:33 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 43) Dibromomethane             | 6.54  | 93   | 9466     | 1.829 | ug/l  | 96       |
| 44) Bromodichloromethane       | 6.74  | 83   | 23723    | 1.860 | ug/l  | 98       |
| 45) 4-Methyl-2-Pentanone       | 7.45  | 43   | 51753    | 8.882 | ug/l  | 97       |
| 46) t-1,4-Dichloro-2-butene    | 10.50 | 75   | 7730m    | 3.116 | ug/l  |          |
| 47) Methyl methacrylate        | 6.61  | 69   | 14498    | 3.463 | ug/l  | 95       |
| 48) Ethyl methacrylate         | 8.01  | 69   | 13594    | 1.728 | ug/l  | 96       |
| 49) Toluene                    | 7.62  | 92   | 38437    | 1.821 | ug/l  | 97       |
| 50) t-1,3-Dichloropropene      | 7.86  | 75   | 19996    | 1.768 | ug/l  | 100      |
| 51) cis-1,3-Dichloropropene    | 7.25  | 75   | 23505    | 1.799 | ug/l  | 97       |
| 52) 1,1,2-Trichloroethane      | 8.05  | 97   | 13846    | 1.928 | ug/l  | 98       |
| 53) 1,3-Dichloropropane        | 8.22  | 76   | 22949    | 1.885 | ug/l  | 100      |
| 54) 2-Hexanone                 | 8.35  | 43   | 36305    | 8.915 | ug/l  | 93       |
| 55) Dibromochloromethane       | 8.46  | 129  | 15368    | 1.849 | ug/l  | 100      |
| 56) 1,2-Dibromoethane          | 8.57  | 107  | 12479    | 1.878 | ug/l  | 99       |
| 58) Tetrachloroethene          | 8.21  | 164  | 16040    | 1.877 | ug/l  | 98       |
| 59) Chlorobenzene              | 9.10  | 112  | 42126    | 1.776 | ug/l  | 98       |
| 60) 1,1,1,2-Tetrachloroethane  | 9.19  | 131  | 16182    | 1.852 | ug/l  | 98       |
| 61) Pentachloroethane          | 11.09 | 117  | 12247    | 1.783 | ug/l  | 96       |
| 62) Hexachloroethane           | 12.13 | 117  | 11474    | 1.720 | ug/l  | 95       |
| 63) Ethyl Benzene              | 9.23  | 91   | 67333    | 1.737 | ug/l  | 99       |
| 64) m/p-Xylenes                | 9.36  | 106  | 54054    | 3.567 | ug/l  | 93       |
| 65) o-Xylene                   | 9.76  | 106  | 25409    | 1.725 | ug/l  | 98       |
| 66) Styrene                    | 9.78  | 104  | 43665    | 1.756 | ug/l  | 98       |
| 67) Bromoform                  | 9.94  | 173  | 8820     | 1.866 | ug/l  | 97       |
| 69) Isopropylbenzene           | 10.15 | 105  | 67552    | 1.764 | ug/l  | 99       |
| 70) 1,1,2,2-Tetrachloroethane  | 10.44 | 83   | 18235    | 1.865 | ug/l  | 99       |
| 71) 1,2,3-Trichloropropane     | 10.48 | 75   | 13762m   | 1.878 | ug/l  |          |
| 72) Bromobenzene               | 10.44 | 156  | 18245    | 1.837 | ug/l  | 99       |
| 73) n-propylbenzene            | 10.57 | 120  | 18888    | 1.741 | ug/l  | 98       |
| 74) 2-Chlorotoluene            | 10.64 | 126  | 18104    | 1.849 | ug/l  | 91       |
| 75) 1,3,5-Trimethylbenzene     | 10.76 | 105  | 57927    | 1.748 | ug/l  | 98       |
| 76) 4-Chlorotoluene            | 10.76 | 126  | 17855    | 1.786 | ug/l  | 95       |
| 77) tert-Butylbenzene          | 11.08 | 119  | 55508    | 1.739 | ug/l  | 98       |
| 78) 1,2,4-Trimethylbenzene     | 11.13 | 105  | 59779    | 1.765 | ug/l  | 97       |
| 79) sec-Butylbenzene           | 11.31 | 105  | 76363    | 1.743 | ug/l  | 100      |
| 80) Nitrobenzene               | 12.86 | 77   | 1865m    | 7.764 | ug/l  |          |
| 81) p-Isopropyltoluene         | 11.46 | 119  | 62236    | 1.747 | ug/l  | 99       |
| 82) 1,3-Dichlorobenzene        | 11.40 | 146  | 37965    | 1.852 | ug/l  | 98       |
| 83) 1,4-Dichlorobenzene        | 11.49 | 146  | 38256    | 1.854 | ug/l  | 99       |
| 84) n-Butylbenzene             | 11.87 | 91   | 61269    | 1.726 | ug/l  | 98       |
| 85) 1,2-Dichlorobenzene        | 11.86 | 146  | 35894    | 1.831 | ug/l  | 99       |
| 86) 1,2-Dibromo-3-Chloropropan | 12.64 | 75   | 2893     | 1.868 | ug/l  | 94       |
| 87) 1,2,4-Trichlorobenzene     | 13.49 | 180  | 20597    | 1.706 | ug/l  | 97       |
| 88) Hexachlorobutadiene        | 13.68 | 225  | 12502    | 1.793 | ug/l  | 98       |
| 89) Naphthalene                | 13.73 | 128  | 35818    | 1.781 | ug/l  | 99       |
| 90) 1,2,3-Trichlorobenzene     | 13.97 | 180  | 20442    | 1.773 | ug/l  | 99       |

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





#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.72 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VU033205.D

Acq: 11 Jul 2019 23:14

Instrument :

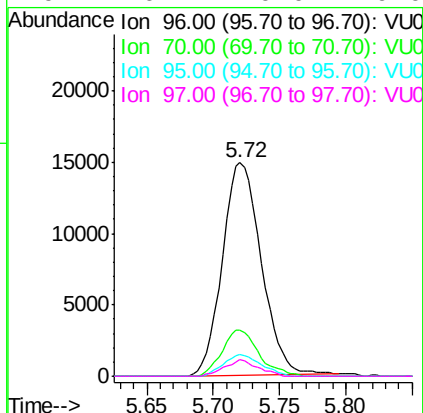
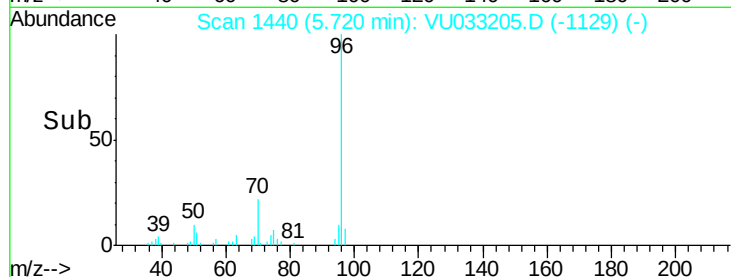
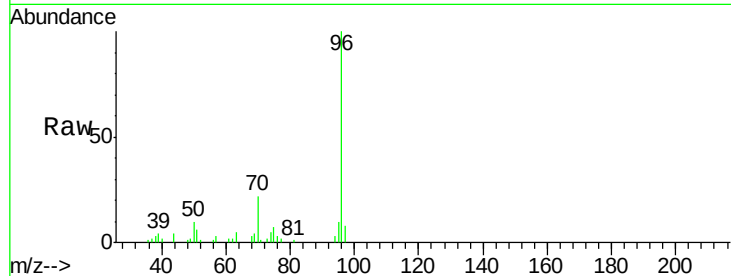
MSVOA\_U

ClientSampleId :

VU0711WBS01

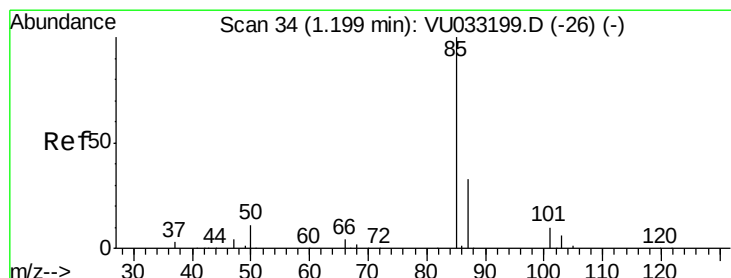
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 30344 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 70       | 20.5  | 16.2  | 24.4  |
| 95       | 9.7   | 7.8   | 11.8  |
| 97       | 6.7   | 0.0   | 0.0#  |

Manual Integrations  
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#2

Dichlorodifluoromethane

Concen: 1.854 ug/l

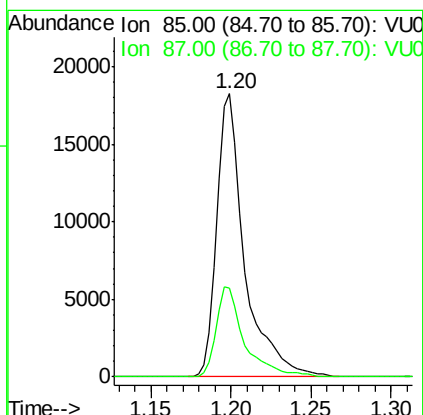
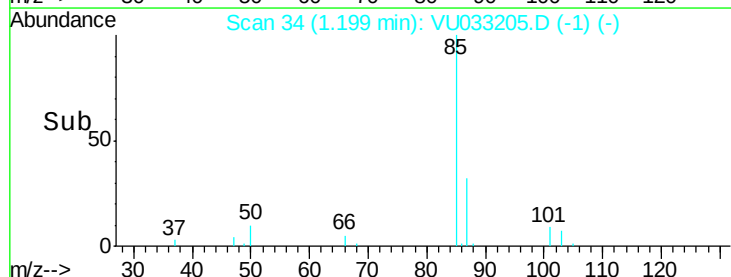
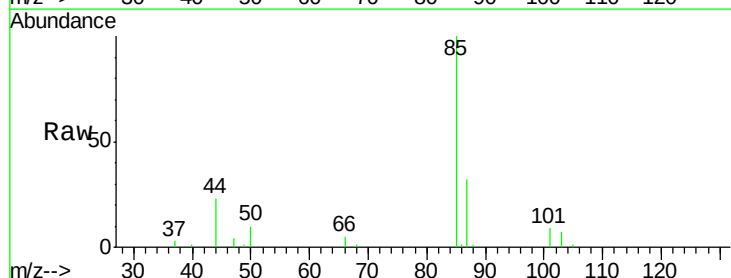
RT: 1.20 min Scan# 34

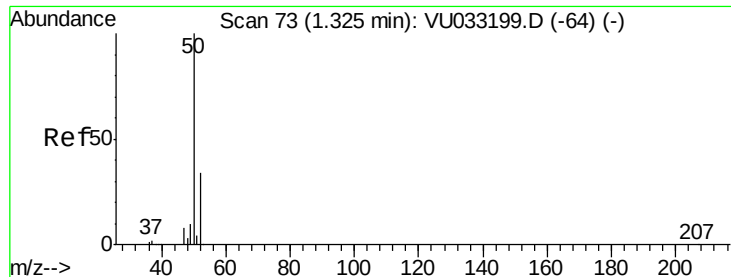
Delta R.T. 0.00 min

Lab File: VU033205.D

Acq: 11 Jul 2019 23:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 85    | Resp: | 21987 |
| Ion      | Ratio | Lower | Upper |
| 85       | 100   |       |       |
| 87       | 31.5  | 16.4  | 49.1  |





#3

Chloromethane

Concen: 1.945 ug/l

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU033205.D

Acq: 11 Jul 2019 23:14

Instrument :

MSVOA\_U

ClientSampleId :

VU0711WBS01

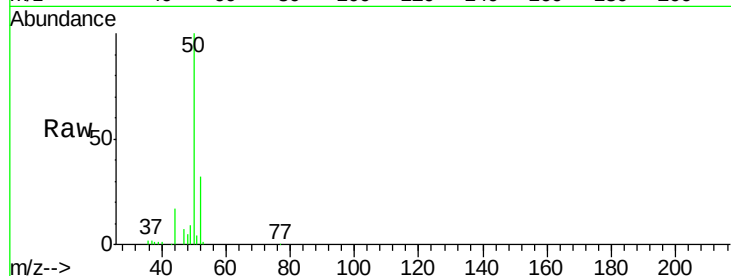
Tot Ion: 50 Resp: 26940

Ion Ratio Lower Upper

50 100

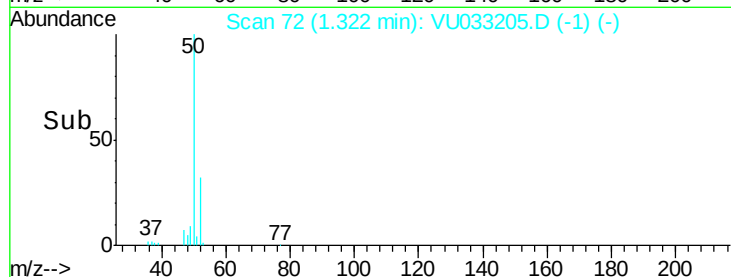
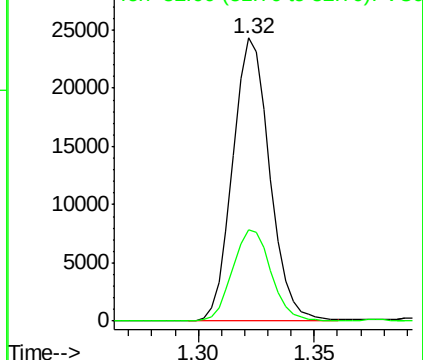
52 32.1 27.0 40.4

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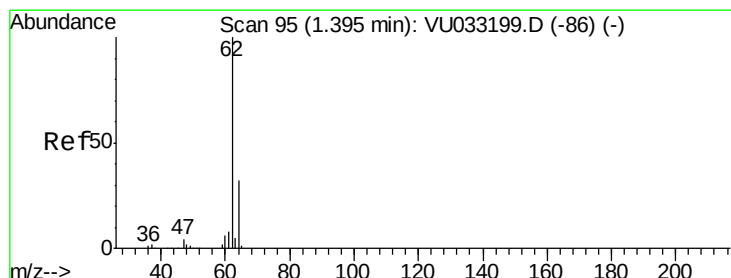
Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



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#4

Vinyl Chloride

Concen: 1.898 ug/l

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

Lab File: VU033205.D

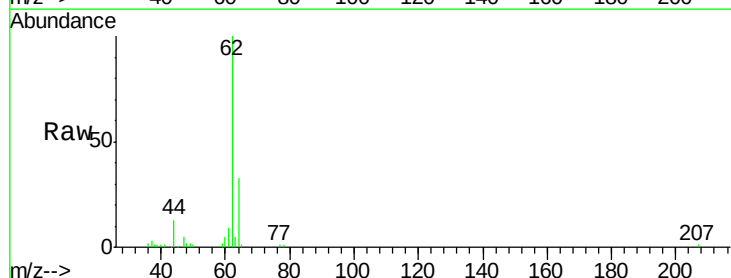
Acq: 11 Jul 2019 23:14

Tgt Ion: 62 Resp: 27097

Ion Ratio Lower Upper

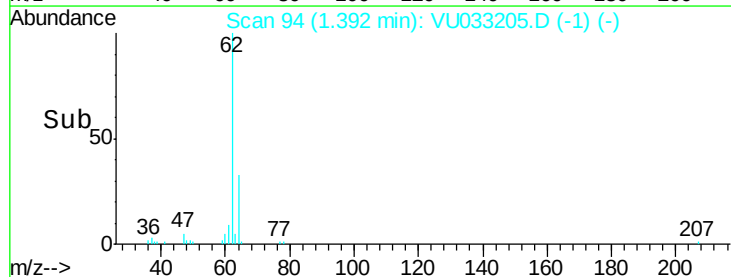
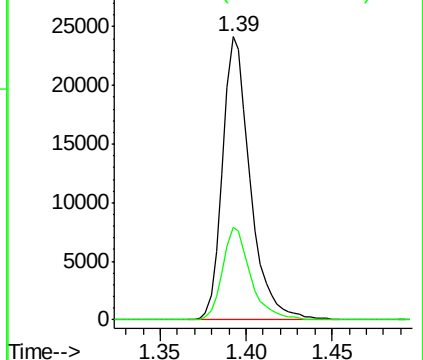
62 100

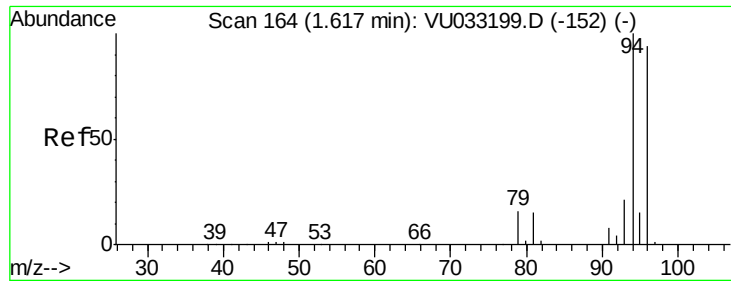
64 32.5 25.7 38.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#5

Bromomethane

Concen: 2.191 ug/l

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU033205.D

Acq: 11 Jul 2019 23:14

Instrument :

MSVOA\_U

ClientSampleId :

VU0711WBS01

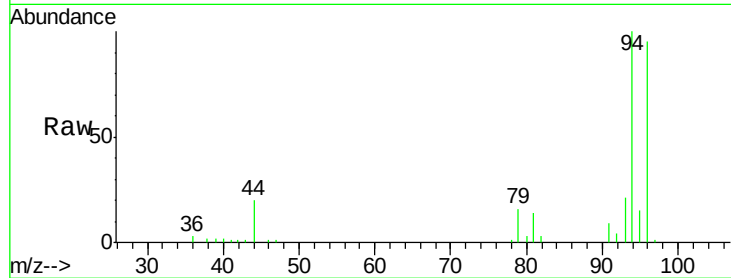
Tot Ion: 94 Resp: 19515

Ion Ratio Lower Upper

94 100

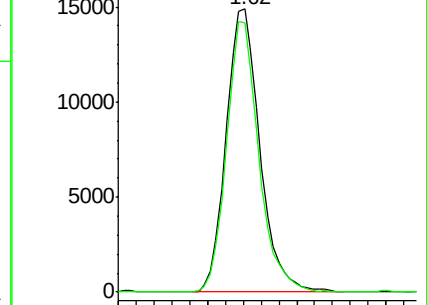
96 95.4 74.8 112.2

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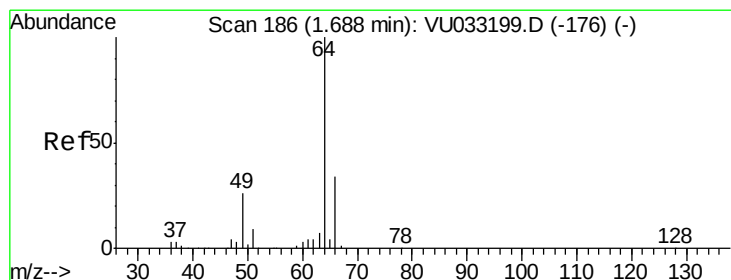
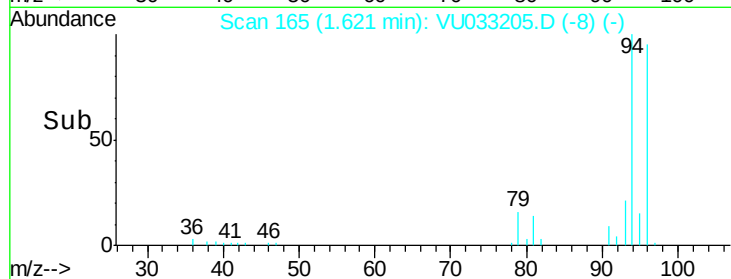
Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



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#6

Chloroethane

Concen: 1.932 ug/l

RT: 1.69 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU033205.D

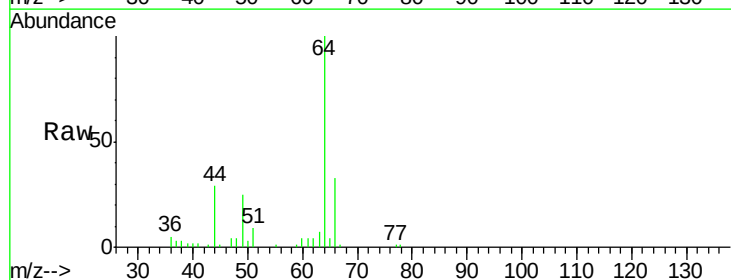
Acq: 11 Jul 2019 23:14

Tgt Ion: 64 Resp: 16920

Ion Ratio Lower Upper

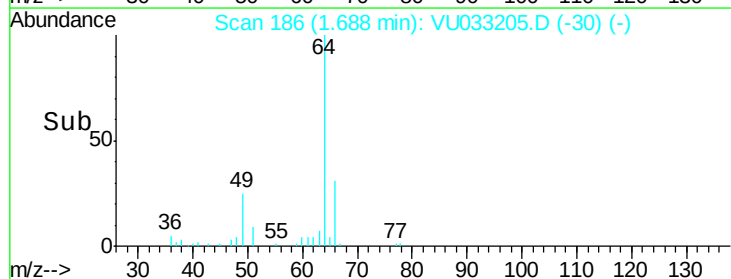
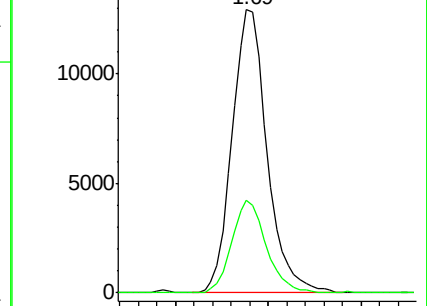
64 100

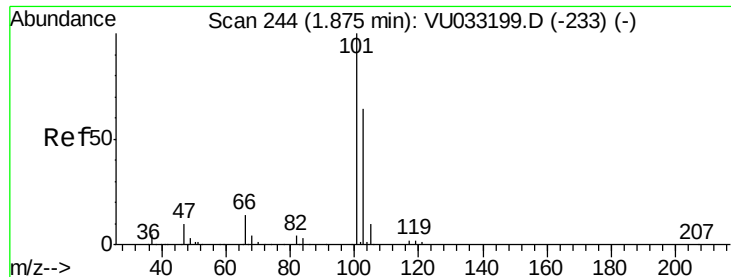
66 32.6 27.0 40.4



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





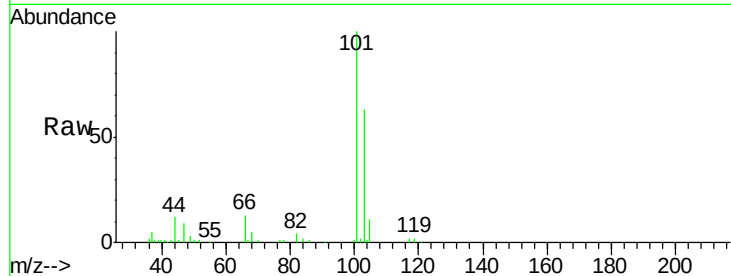
#7

Trichlorofluoromethane  
Concen: 1.912 ug/l  
RT: 1.87 min Scan# 244  
Delta R.T. 0.00 min  
Lab File: VU033205.D  
Acq: 11 Jul 2019 23:14

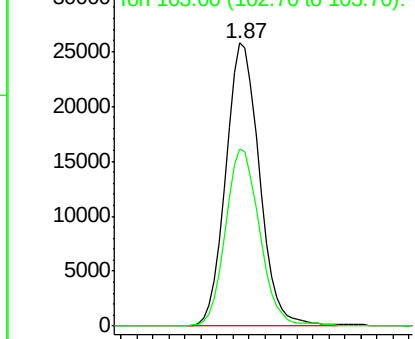
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0711WBS01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 101     | 100   | 36931 |       |       |
| 103     | 62.6  | 51.0  | 76.6  |       |

Manual Integrations  
APPROVED

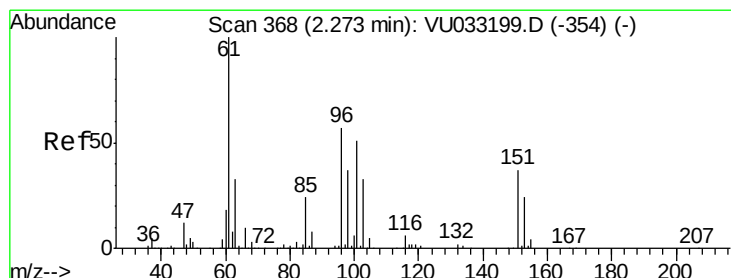
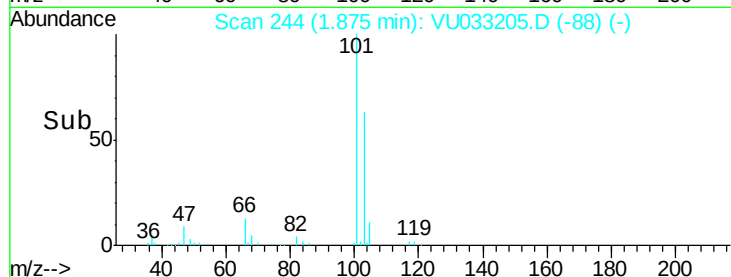


Abundance Ion 101.00 (100.70 to 101.70): V  
Ion 103.00 (102.70 to 103.70): V



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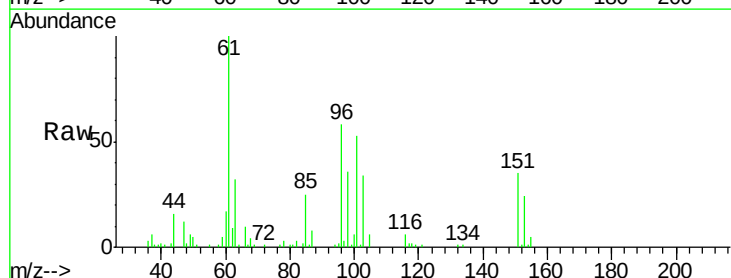
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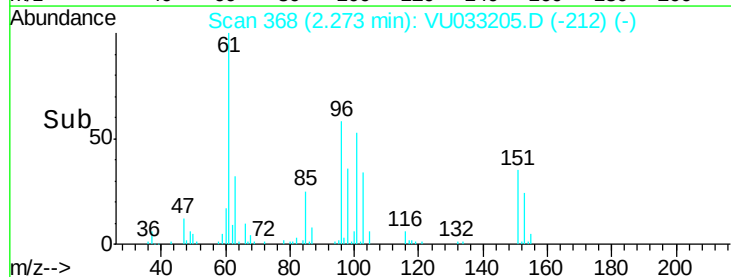
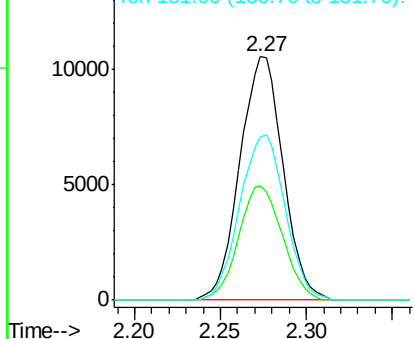
#8

1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 1.859 ug/l  
RT: 2.27 min Scan# 368  
Delta R.T. 0.00 min  
Lab File: VU033205.D  
Acq: 11 Jul 2019 23:14

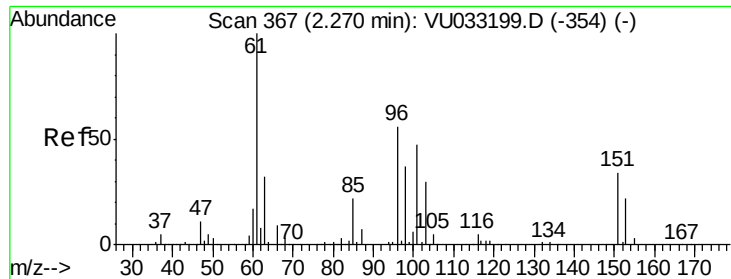
| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 101     | 100   | 18432 |       |       |
| 85      | 47.4  | 37.7  | 56.5  |       |
| 151     | 71.1  | 58.2  | 87.2  |       |



Abundance Ion 101.00 (100.70 to 101.70): V  
Ion 85.00 (84.70 to 85.70): VU  
Ion 151.00 (150.70 to 151.70): V





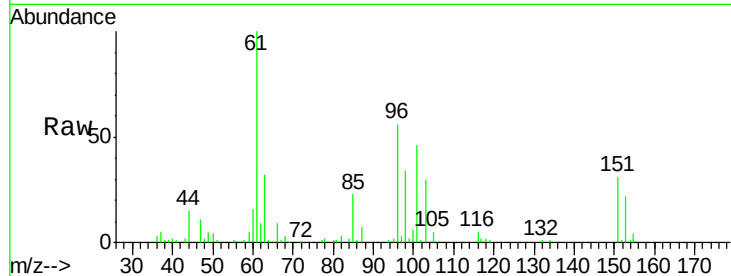


#9  
 1,1-Dichloroethene  
 Concen: 1.828 ug/l  
 RT: 2.27 min Scan# 367  
 Delta R.T. 0.00 min  
 Lab File: VU033205.D  
 Acq: 11 Jul 2019 23:14

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0711WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 179.0 | 0.0   | 533.7 |
| 98      | 61.2  | 0.0   | 129.8 |

Manual Integrations  
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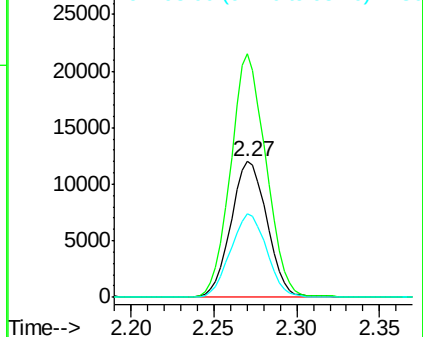


Abundance

Ion 96.00 (95.70 to 96.70): VU033199.D (-354) (-)

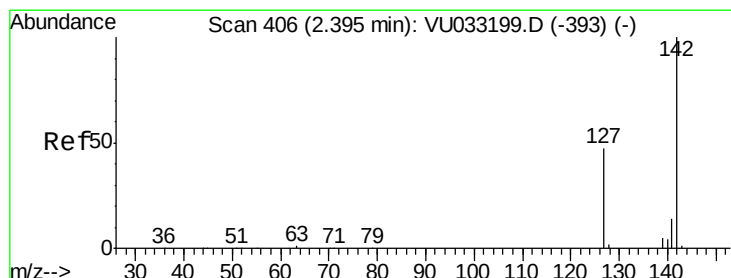
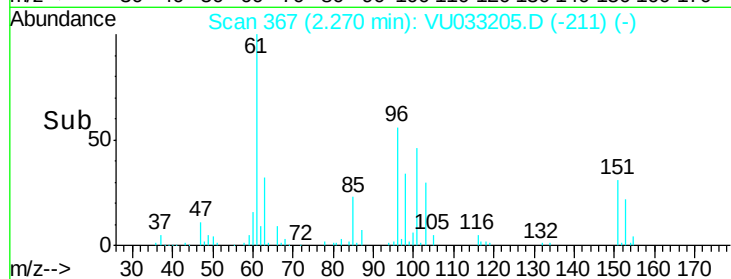
Ion 61.00 (60.70 to 61.70): VU033199.D (-354) (-)

Ion 98.00 (97.70 to 98.70): VU033199.D (-354) (-)



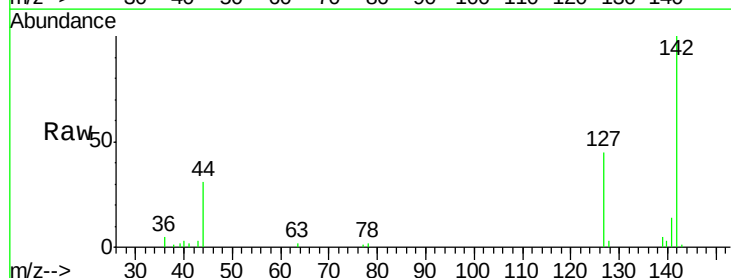
MMDadoda

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#10  
 Iodomethane  
 Concen: 1.721 ug/l  
 RT: 2.40 min Scan# 406  
 Delta R.T. 0.00 min  
 Lab File: VU033205.D  
 Acq: 11 Jul 2019 23:14

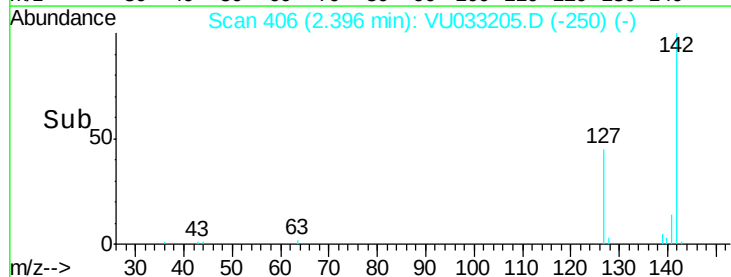
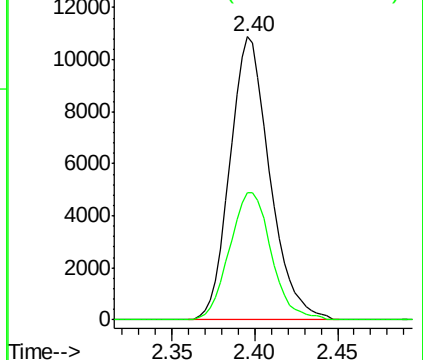
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 127     | 47.1  | 37.0  | 55.4  |



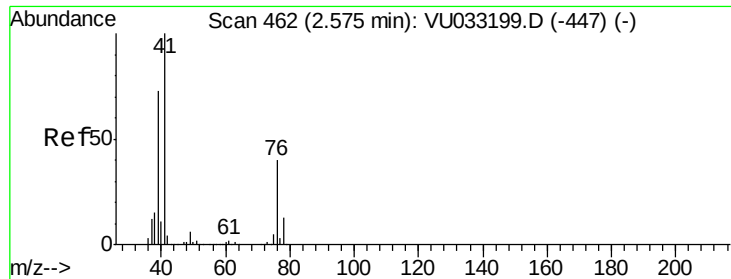
Abundance

Ion 142.00 (141.70 to 142.70): VU033199.D (-393) (-)

Ion 127.00 (126.70 to 127.70): VU033199.D (-393) (-)





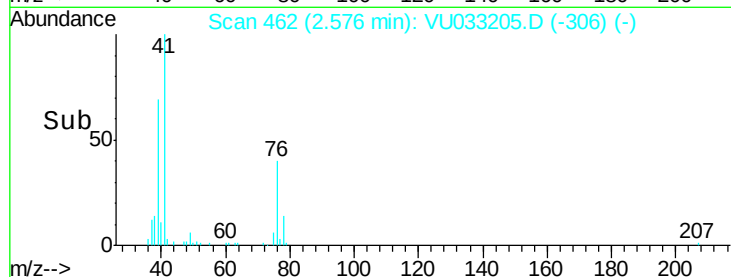
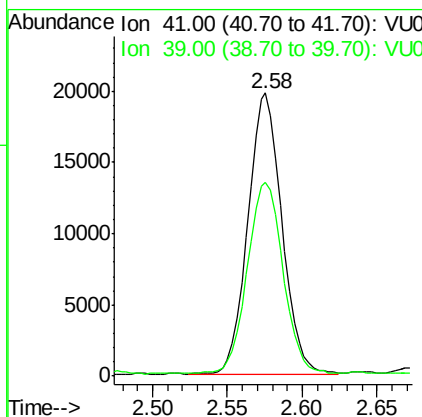
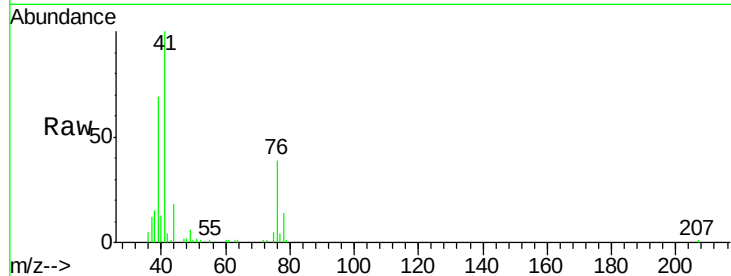


#11  
Allvl Chloride  
Concen: 1.866 ug/l  
RT: 2.58 min Scan# 462  
Delta R.T. 0.00 min  
Lab File: VU033205.D  
Acq: 11 Jul 2019 23:14

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0711WBS01

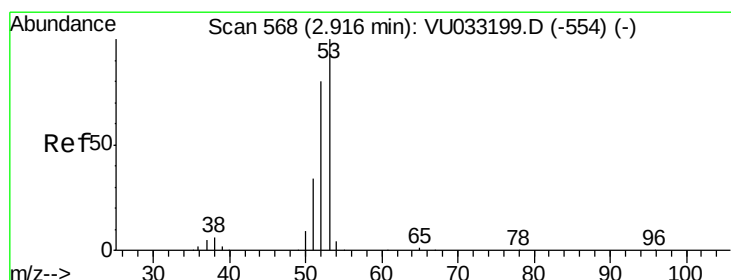
Tot Ion: 41 Resp: 31203  
Ion Ratio Lower Upper  
41 100  
39 71.8 58.7 88.1

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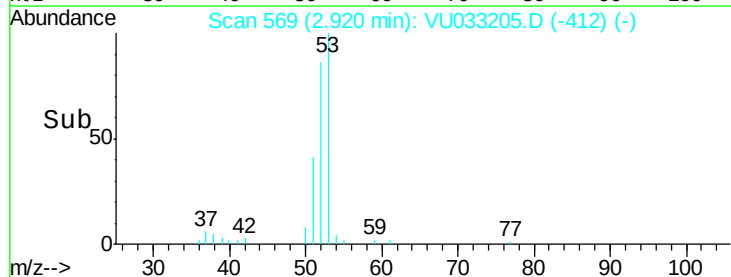
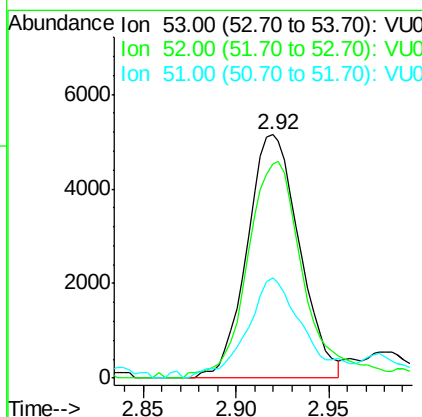
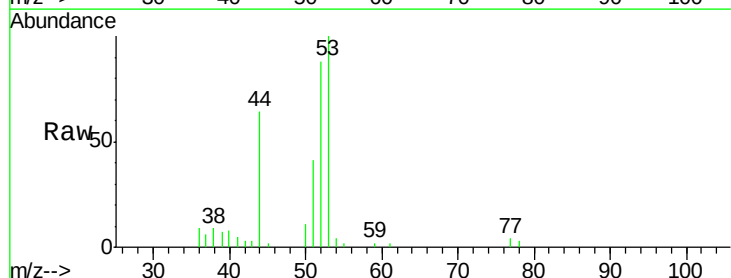
MMDadoda

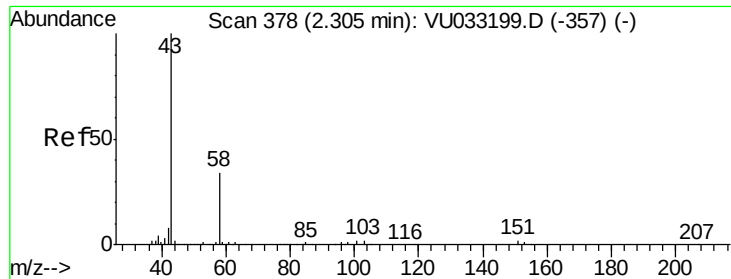
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#12  
Acrylonitrile  
Concen: 3.661 ug/l  
RT: 2.92 min Scan# 569  
Delta R.T. 0.00 min  
Lab File: VU033205.D  
Acq: 11 Jul 2019 23:14

Tgt Ion: 53 Resp: 10149  
Ion Ratio Lower Upper  
53 100  
52 94.6 68.3 102.5  
51 44.8 28.7 43.1#



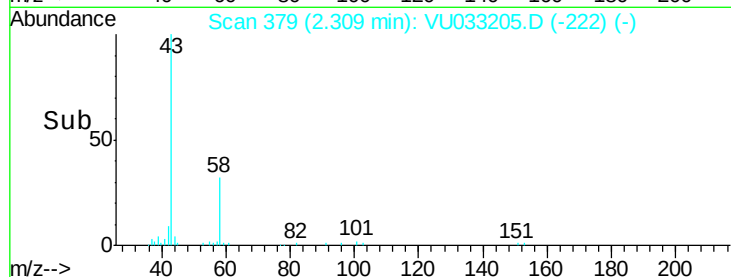
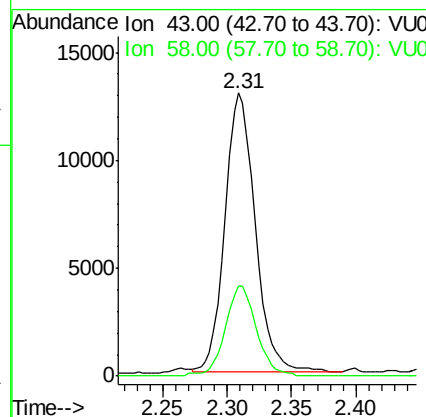
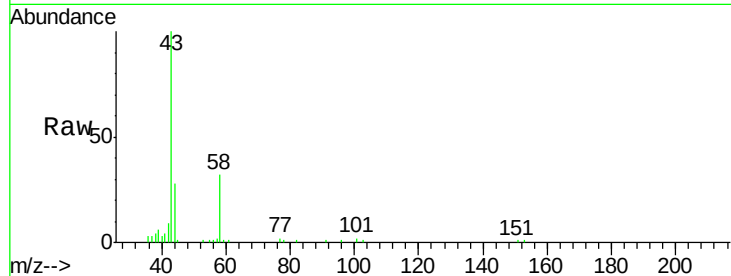


#13  
Acetone  
Concen: 8.484 ug/l  
RT: 2.31 min Scan# 379  
Delta R.T. 0.00 min  
Lab File: VU033205.D  
Acq: 11 Jul 2019 23:14

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0711WBS01

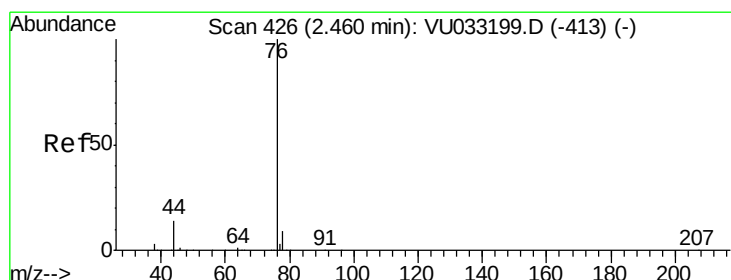
| Tot Ion   | 43   | Resp  | 21088 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 58        | 32.5 | 27.1  | 40.7  |

Manual Integrations  
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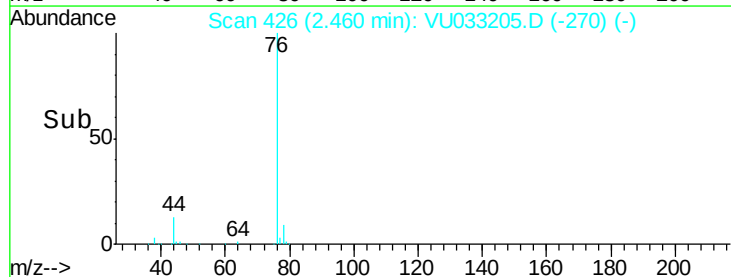
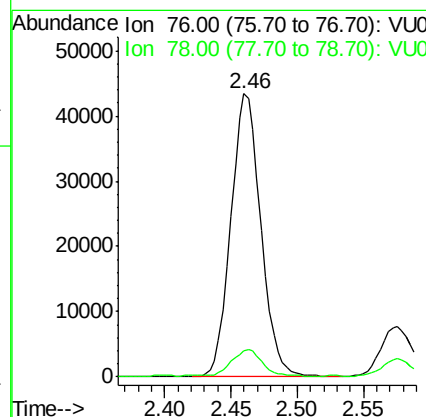
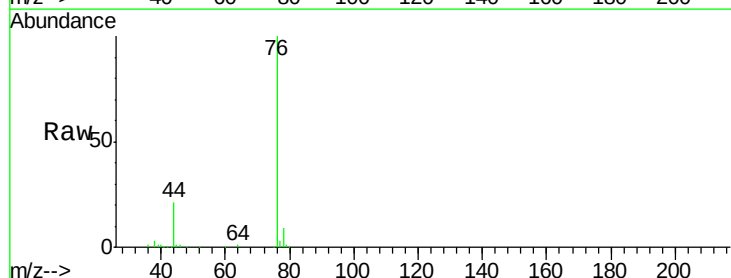
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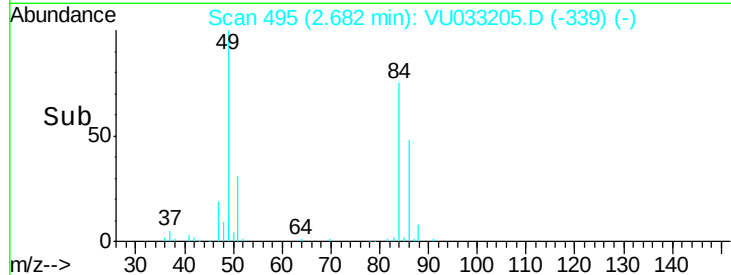
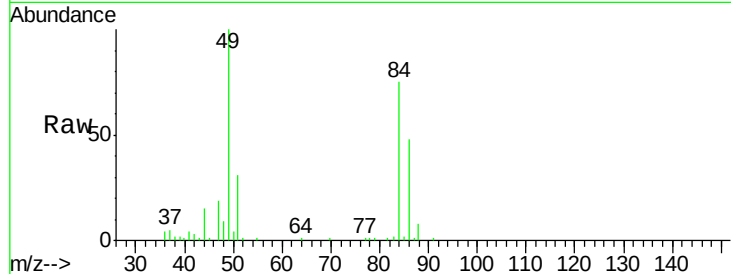
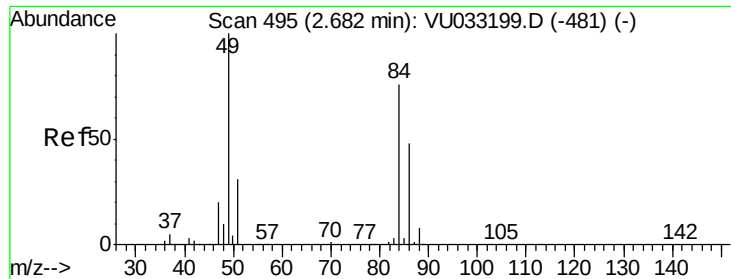
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#14  
Carbon Disulfide  
Concen: 1.869 ug/l  
RT: 2.46 min Scan# 426  
Delta R.T. 0.00 min  
Lab File: VU033205.D  
Acq: 11 Jul 2019 23:14

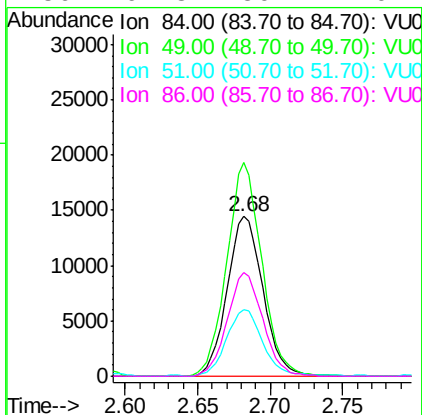
| Tgt Ion   | 76  | Resp  | 68301 |
|-----------|-----|-------|-------|
| Ion Ratio | 100 | Lower | Upper |
| 78        | 8.8 | 7.4   | 11.0  |





#15  
Methylene Chloride  
Concen: 1.847 ug/l  
RT: 2.68 min Scan# 495  
Delta R.T. 0.00 min  
Lab File: VU033205.D  
Acq: 11 Jul 2019 23:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 24718 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 133.6 | 105.8 | 158.8 |
| 51       | 41.3  | 0.0   | 82.0  |
| 86       | 64.8  | 50.7  | 76.1  |

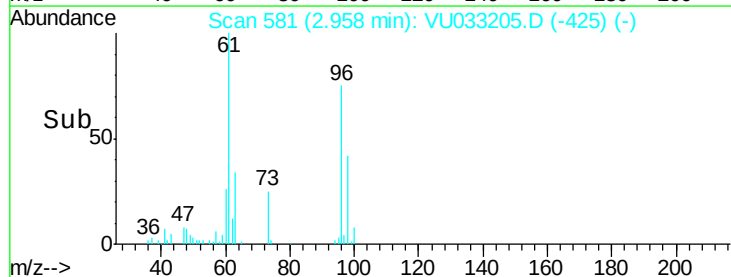
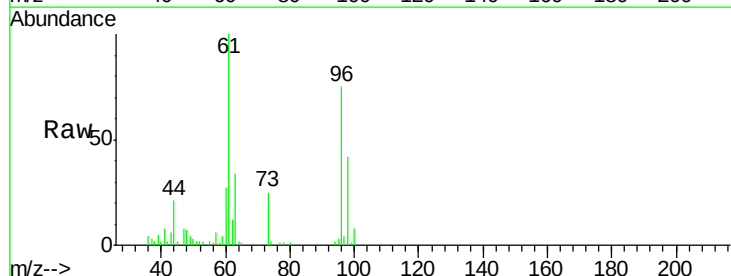
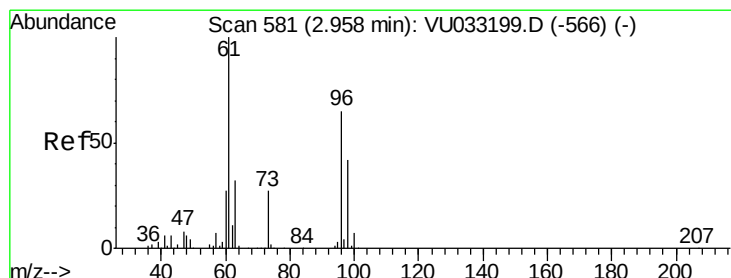


Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0711WBS01

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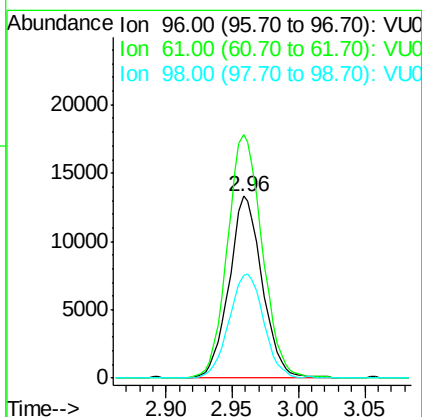
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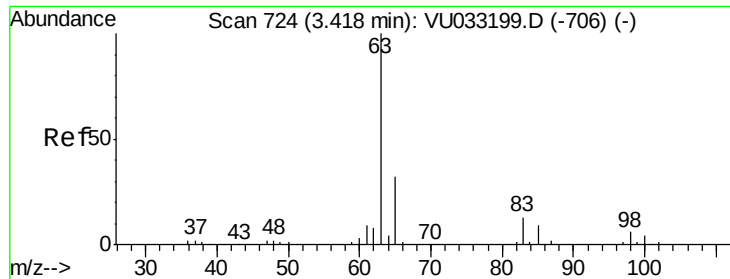
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#16  
trans-1,2-Dichloroethene  
Concen: 2.022 ug/l  
RT: 2.96 min Scan# 581  
Delta R.T. 0.00 min  
Lab File: VU033205.D  
Acq: 11 Jul 2019 23:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 23178 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 133.9 | 122.6 | 184.0 |
| 98       | 56.7  | 52.0  | 78.0  |



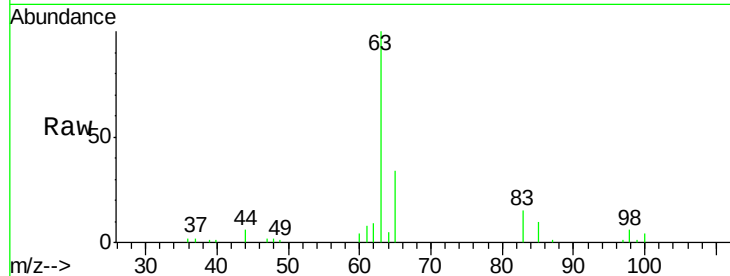


#17  
 1,1-Dichloroethane  
 Concen: 1.892 ug/l  
 RT: 3.42 min Scan# 724  
 Delta R.T. 0.00 min  
 Lab File: VU033205.D  
 Acq: 11 Jul 2019 23:14

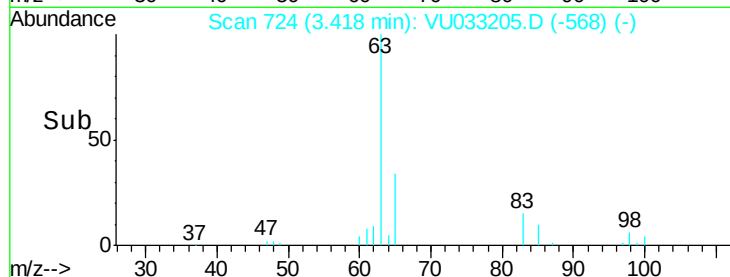
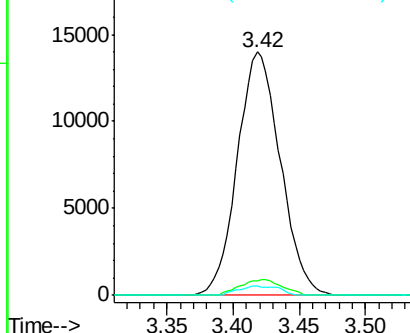
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0711WBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 63    | Resp: | 31488 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 98       | 5.9   | 3.3   | 9.8   |
| 100      | 3.7   | 1.8   | 5.4   |

Manual Integrations  
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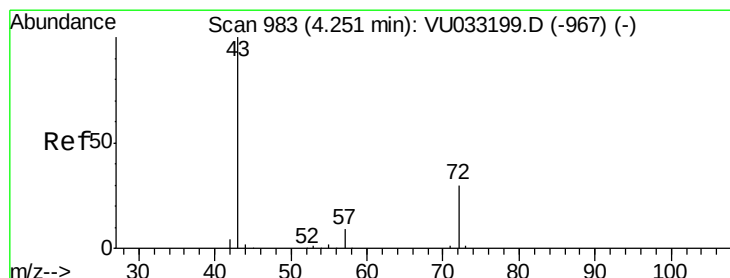


Abundance Ion 63.00 (62.70 to 63.70): VU033205.D (-568) (-)  
 Ion 98.00 (97.70 to 98.70): VU033205.D (-568) (-)  
 Ion 100.00 (99.70 to 100.70): VU033205.D (-568) (-)



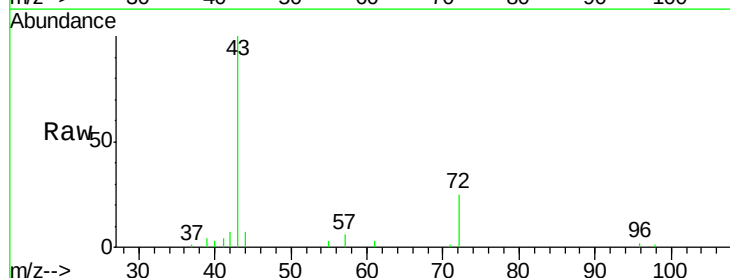
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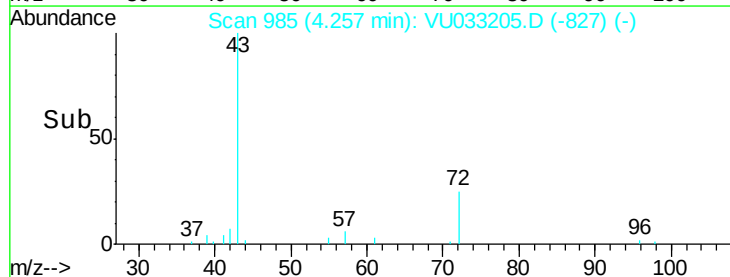
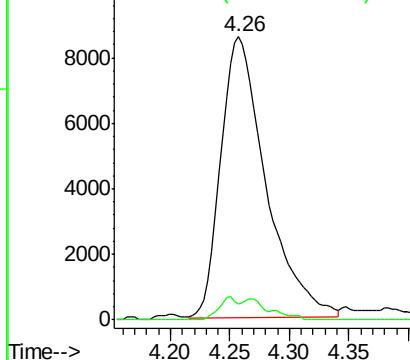


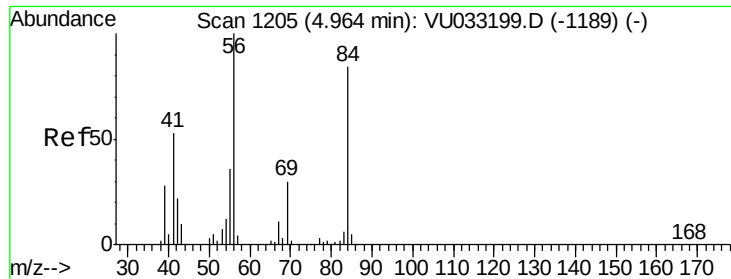
#18  
 2-Butanone  
 Concen: 9.036 ug/l  
 RT: 4.26 min Scan# 985  
 Delta R.T. 0.01 min  
 Lab File: VU033205.D  
 Acq: 11 Jul 2019 23:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 22439 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 57       | 5.9   | 0.0   | 18.4  |



Abundance Ion 43.00 (42.70 to 43.70): VU033205.D (-827) (-)  
 Ion 57.00 (56.70 to 57.70): VU033205.D (-827) (-)



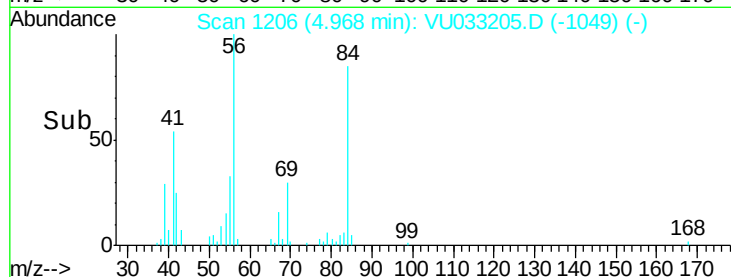
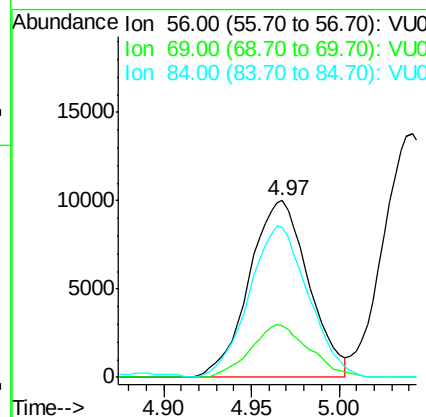
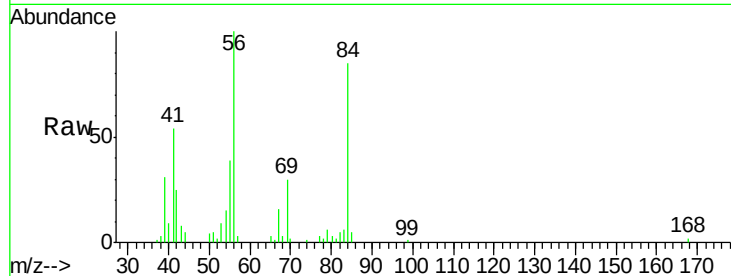


#19  
Cyclohexane  
Concen: 1.849 ug/l m  
RT: 4.97 min Scan# 1206  
Delta R.T. 0.00 min  
Lab File: VU033205.D  
Acq: 11 Jul 2019 23:14

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0711WBS01

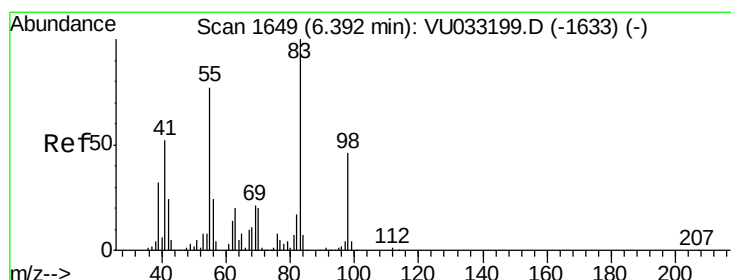
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 29.2  | 24.6  | 37.0  |
| 84      | 85.1  | 67.5  | 101.3 |

Manual Integrations  
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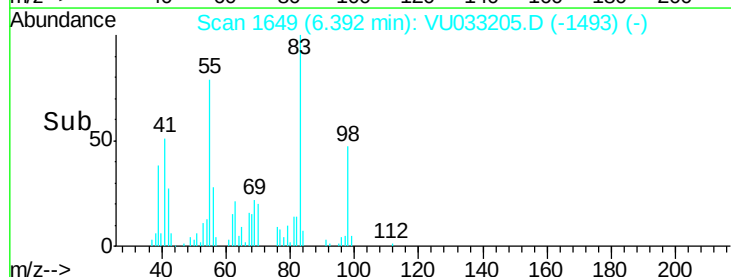
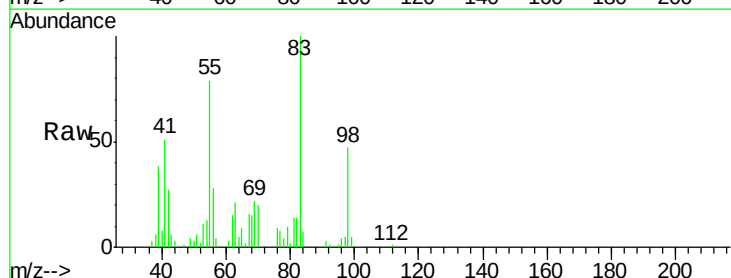
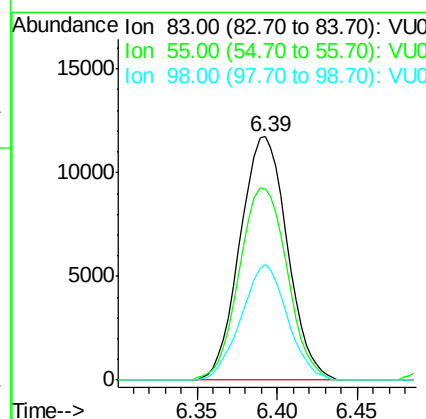
MMDadoda

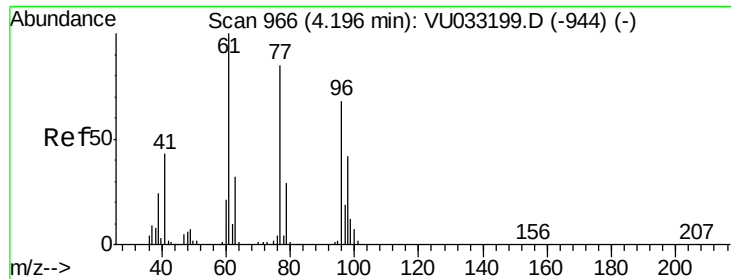
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#20  
Methylcyclohexane  
Concen: 1.784 ug/l  
RT: 6.39 min Scan# 1649  
Delta R.T. 0.00 min  
Lab File: VU033205.D  
Acq: 11 Jul 2019 23:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 79.9  | 62.0  | 93.0  |
| 98      | 46.2  | 36.3  | 54.5  |



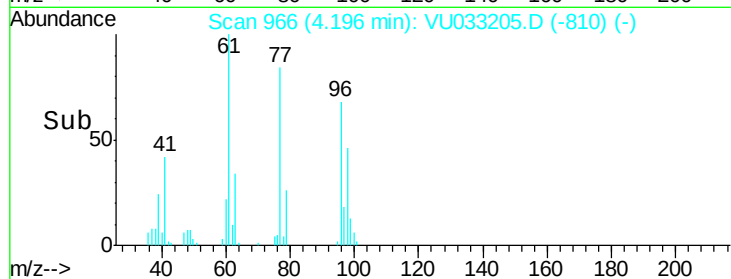
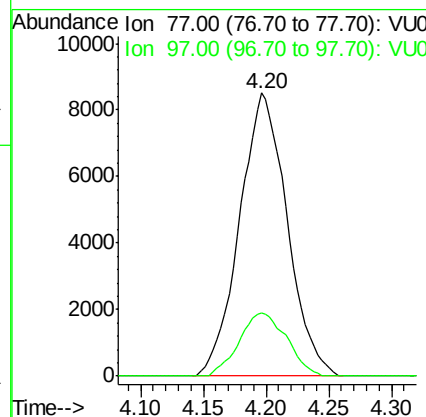
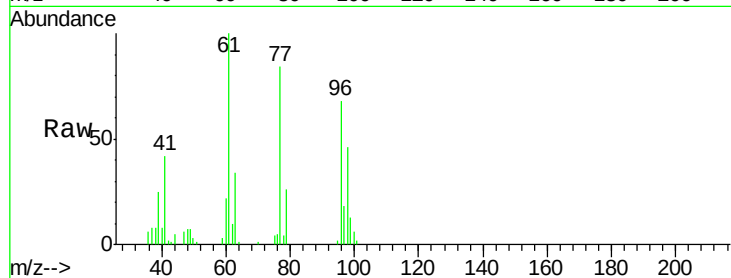


#21  
 2,2-Dichloropropane  
 Concen: 1.604 ug/l  
 RT: 4.20 min Scan# 966  
 Delta R.T. 0.00 min  
 Lab File: VU033205.D  
 Acq: 11 Jul 2019 23:14

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0711WBS01

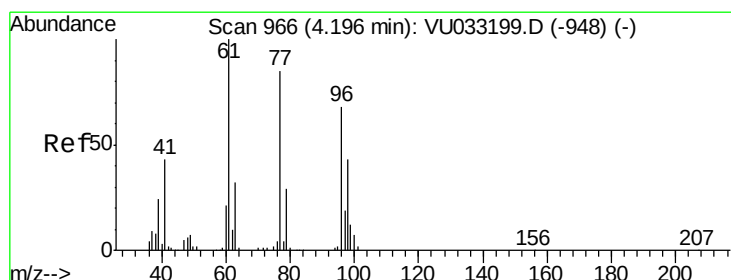
Tot Ion: 77 Resp: 22424  
 Ion Ratio Lower Upper  
 77 100  
 97 22.3 17.6 26.4

Manual Integrations  
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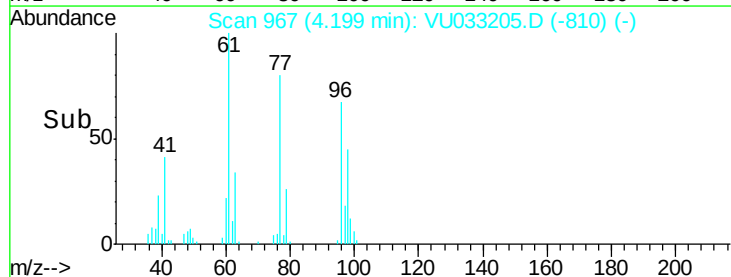
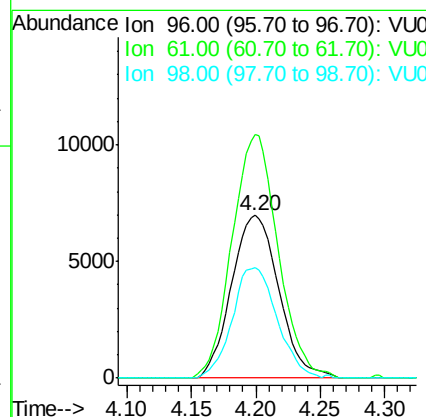
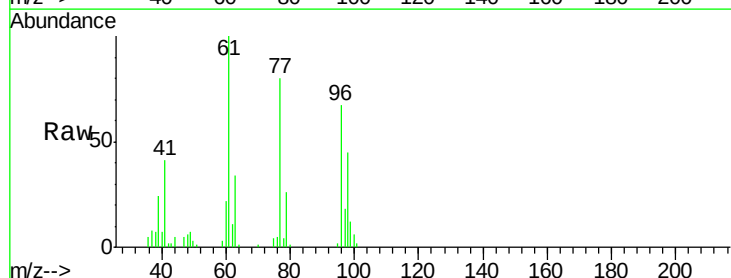
MMDadoda

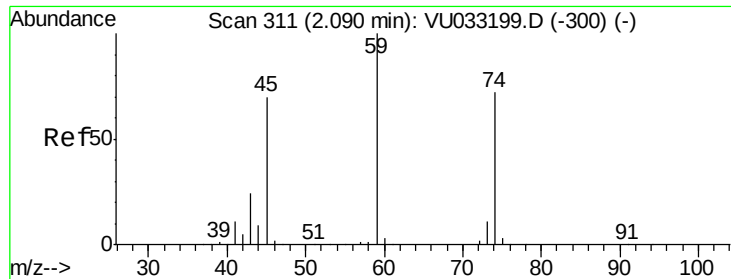
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#22  
 cis-1,2-Dichloroethene  
 Concen: 1.867 ug/l  
 RT: 4.20 min Scan# 967  
 Delta R.T. 0.00 min  
 Lab File: VU033205.D  
 Acq: 11 Jul 2019 23:14

Tgt Ion: 96 Resp: 17777  
 Ion Ratio Lower Upper  
 96 100  
 61 145.3 0.0 377.3  
 98 64.4 32.3 96.8



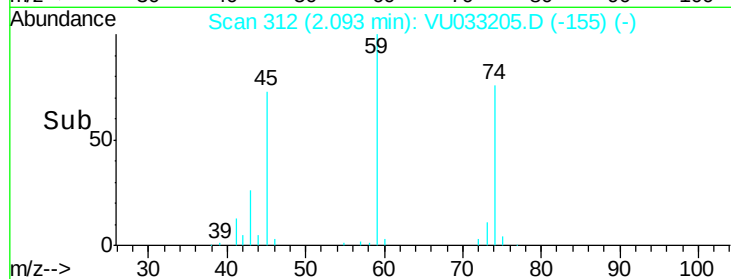
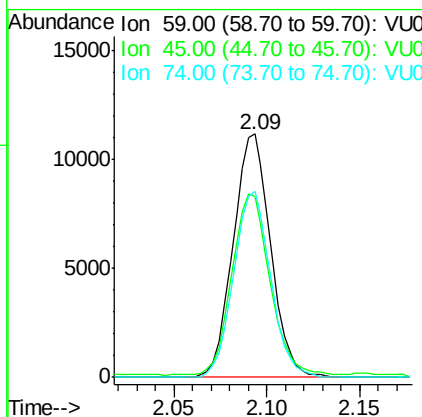
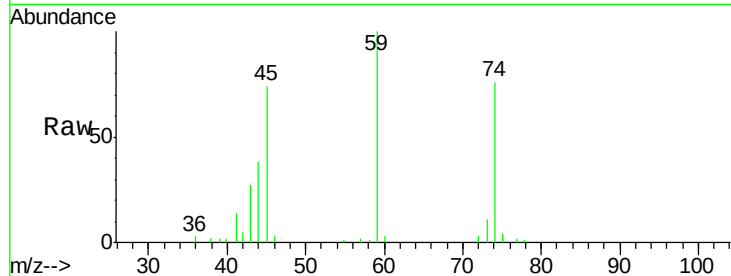


#23  
Diethyl Ether  
Concen: 1.791 ug/l  
RT: 2.09 min Scan# 312  
Delta R.T. 0.00 min  
Lab File: VU033205.D  
Acq: 11 Jul 2019 23:14

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0711WBS01

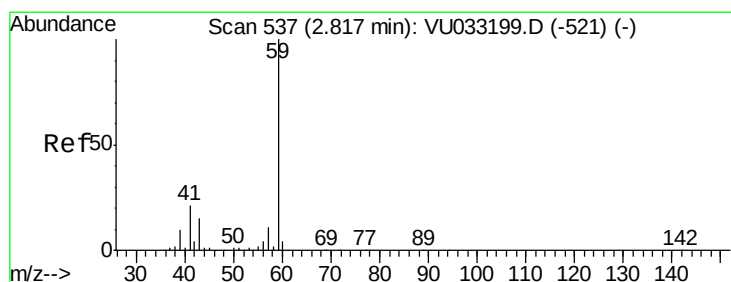
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 45      | 74.9  | 55.7  | 83.5  |
| 74      | 75.4  | 58.1  | 87.1  |

Manual Integrations  
APPROVED



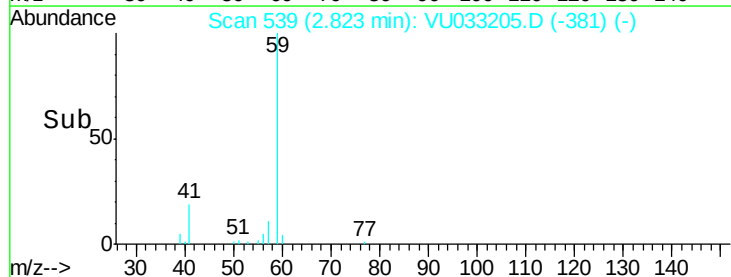
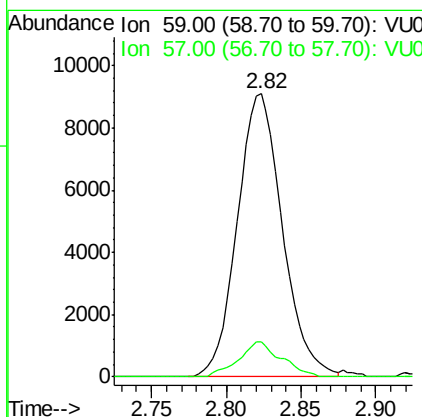
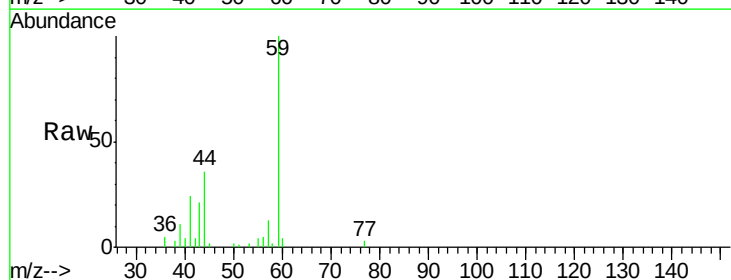
MMDadoda

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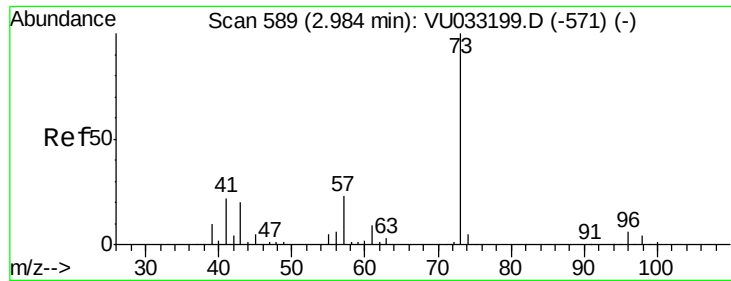


#24  
tert-Butyl Alcohol  
Concen: 17.961 ug/l  
RT: 2.82 min Scan# 539  
Delta R.T. 0.01 min  
Lab File: VU033205.D  
Acq: 11 Jul 2019 23:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 11.7  | 8.5   | 12.7  |





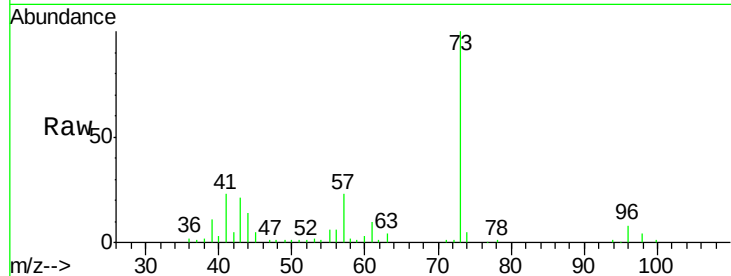


#25  
Methyl tert-Butyl Ether  
Concen: 1.882 ug/l  
RT: 2.98 min Scan# 589  
Delta R.T. 0.00 min  
Lab File: VU033205.D  
Acq: 11 Jul 2019 23:14

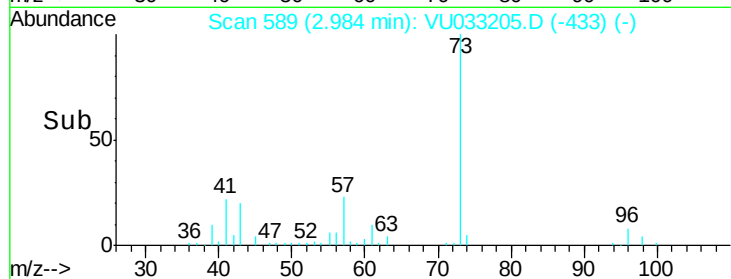
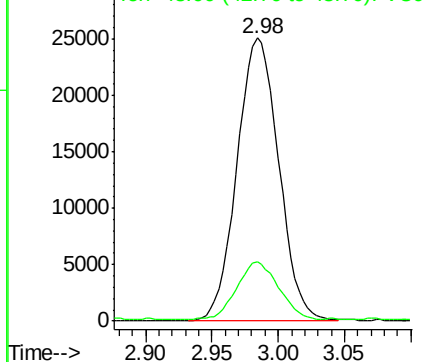
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0711WBS01

Tot Ion: 73 Resp: 54921  
Ion Ratio Lower Upper  
73 100  
43 20.3 16.1 24.1

Manual Integrations  
APPROVED

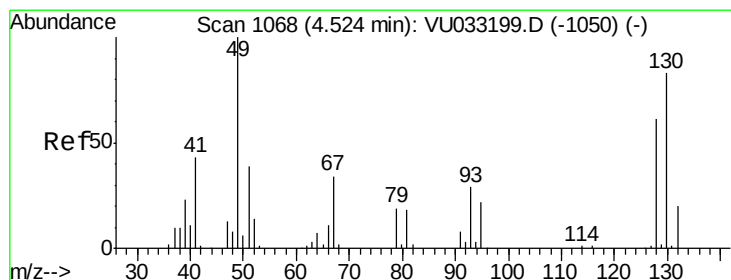


Abundance Ion 73.00 (72.70 to 73.70): VU033199.D (-571) (-)  
Ion 43.00 (42.70 to 43.70): VU033199.D (-571) (-)



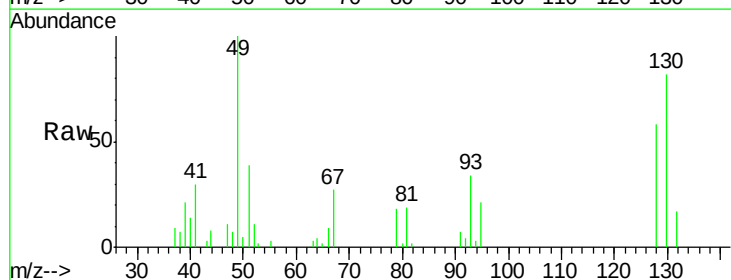
MMDadoda

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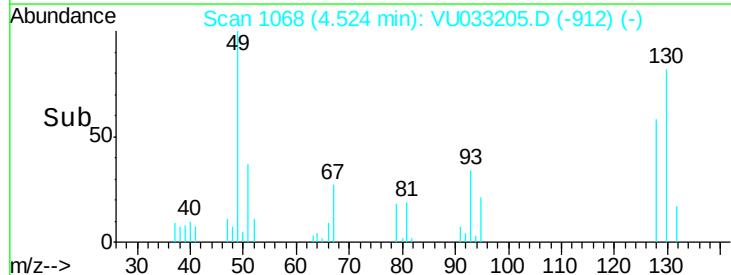
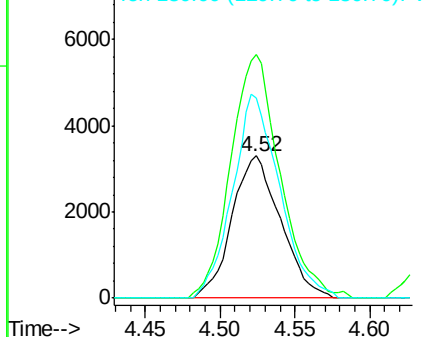


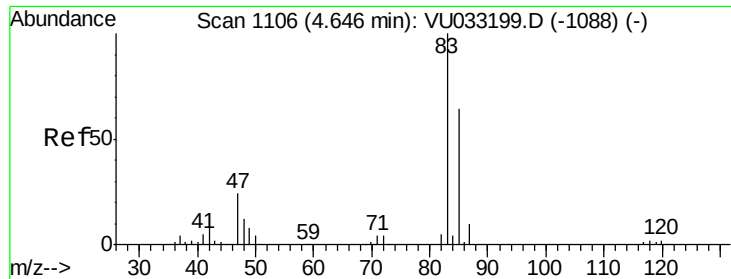
#26  
Bromochloromethane  
Concen: 1.770 ug/l  
RT: 4.52 min Scan# 1068  
Delta R.T. 0.00 min  
Lab File: VU033205.D  
Acq: 11 Jul 2019 23:14

Tgt Ion: 128 Resp: 7467  
Ion Ratio Lower Upper  
128 100  
49 173.4 0.0 328.6  
130 139.0 104.1 156.1



Abundance Ion 128.00 (127.70 to 128.70): VU033199.D (-1050) (-)  
Ion 49.00 (48.70 to 49.70): VU033199.D (-1050) (-)  
Ion 130.00 (129.70 to 130.70): VU033199.D (-1050) (-)



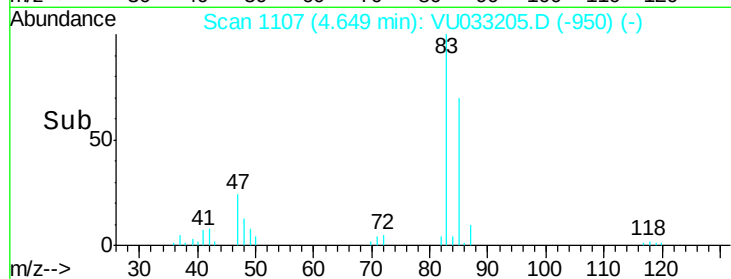
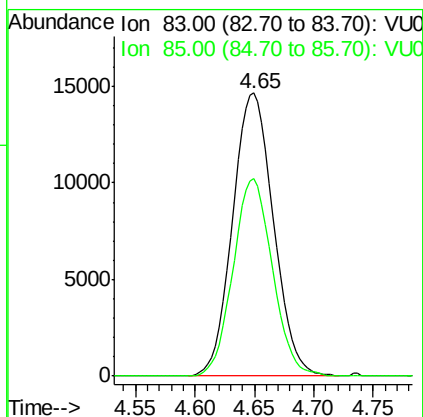
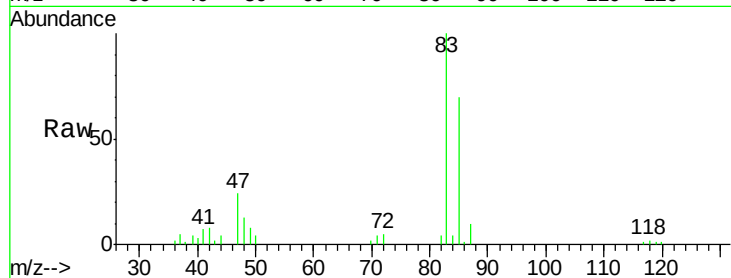


#27  
Chloroform  
Concen: 1.898 ug/l  
RT: 4.65 min Scan# 1107  
Delta R.T. 0.00 min  
Lab File: VU033205.D  
Acq: 11 Jul 2019 23:14

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0711WBS01

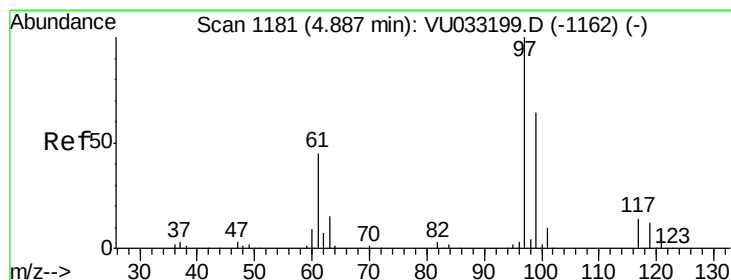
| Tot Ion   | 83   | Resp  | 34881 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 85        | 70.0 | 0.0   | 128.4 |

Manual Integrations  
APPROVED



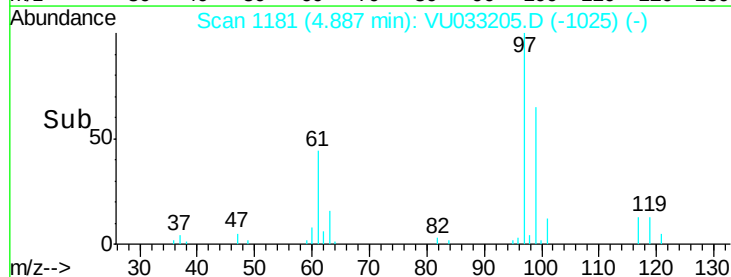
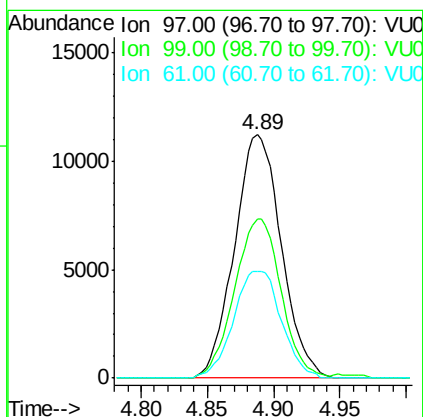
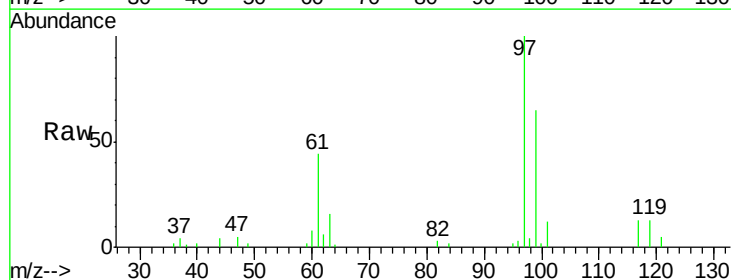
MMDadoda

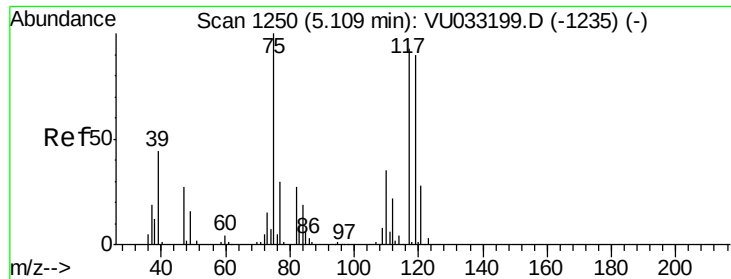
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#28  
1,1,1-Trichloroethane  
Concen: 1.901 ug/l  
RT: 4.89 min Scan# 1181  
Delta R.T. 0.00 min  
Lab File: VU033205.D  
Acq: 11 Jul 2019 23:14

| Tgt Ion   | 97   | Resp  | 27653 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 99        | 64.8 | 31.9  | 95.5  |
| 61        | 44.6 | 22.6  | 67.7  |





#29

1,1-Dichloropropene

Concen: 1.867 ug/l

RT: 5.11 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU033205.D

Acq: 11 Jul 2019 23:14

Instrument :

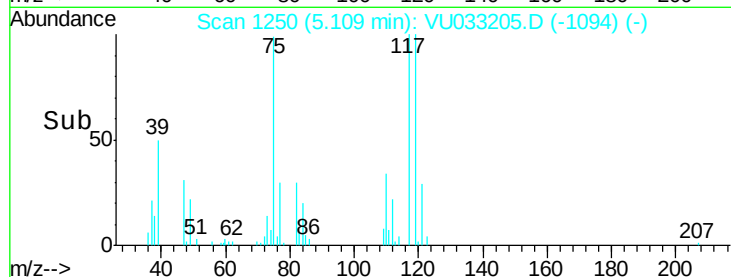
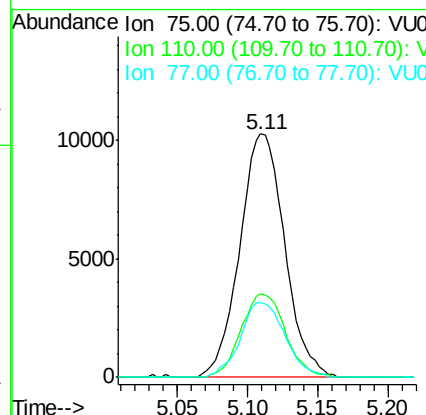
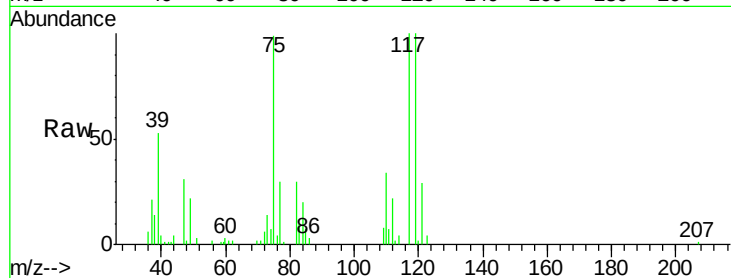
MSVOA\_U

ClientSampleId :

VU0711WBS01

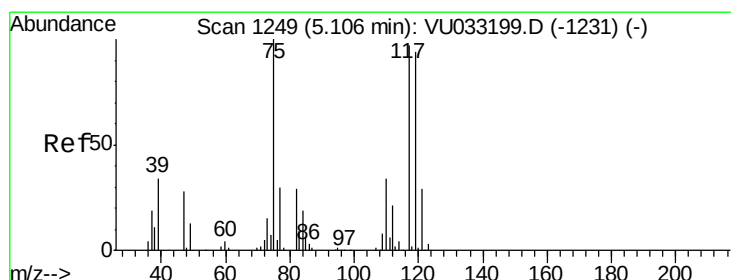
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 75    | Resp: | 22910 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 33.9  | 17.5  | 52.6  |
| 77        | 30.6  | 24.6  | 37.0  |

Manual Integrations  
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#30

Carbon Tetrachloride

Concen: 1.885 ug/l

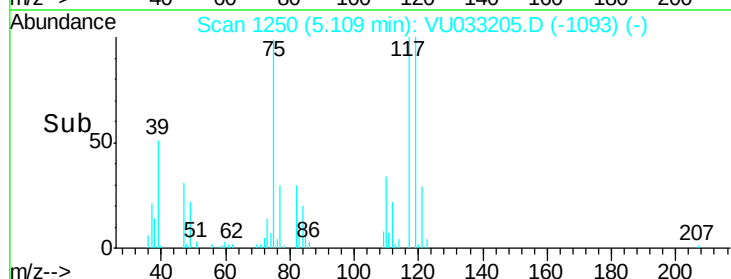
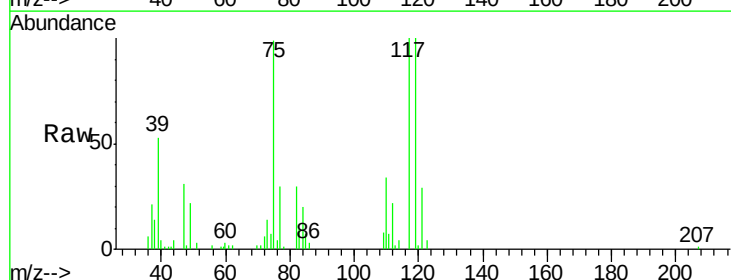
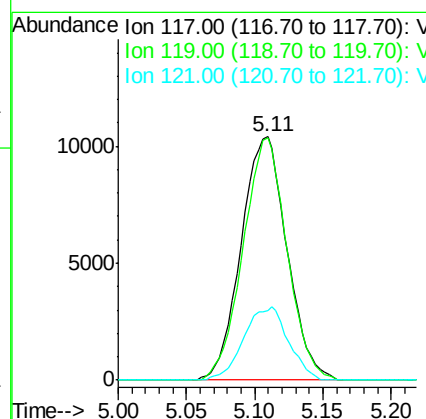
RT: 5.11 min Scan# 1250

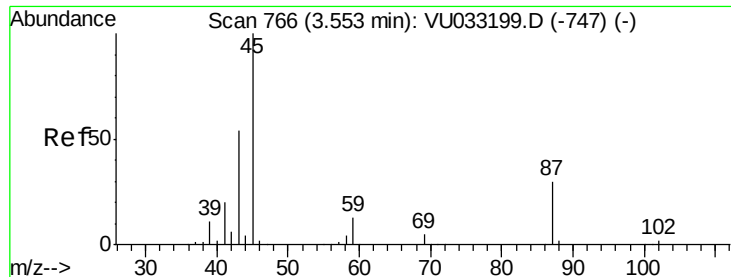
Delta R.T. 0.00 min

Lab File: VU033205.D

Acq: 11 Jul 2019 23:14

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 117   | Resp: | 24224 |
| Ion Ratio | Lower | Upper |       |
| 117       | 100   |       |       |
| 119       | 99.5  | 77.4  | 116.0 |
| 121       | 28.8  | 24.2  | 36.2  |





#31

Isopropyl Ether

Concen: 1.828 ug/l

RT: 3.55 min Scan# 766

Delta R.T. 0.00 min

Lab File: VU033205.D

Acq: 11 Jul 2019 23:14

Instrument :

MSVOA\_U

ClientSampleId :

VU0711WBS01

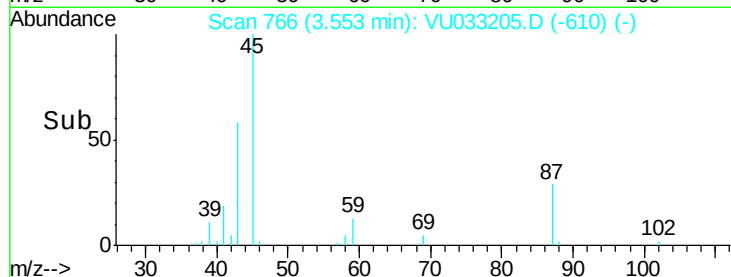
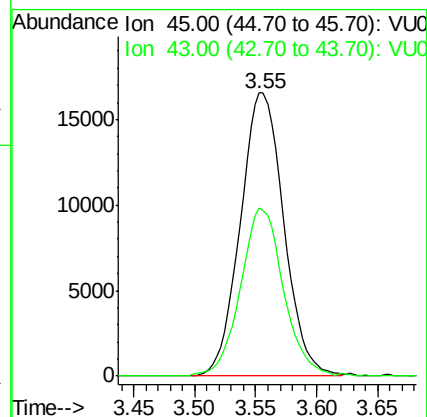
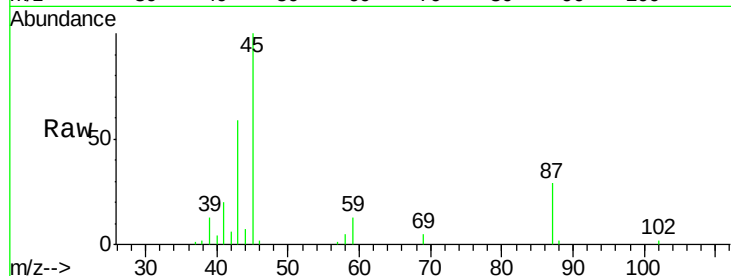
Tot Ion: 45 Resp: 40857

Ion Ratio Lower Upper

45 100

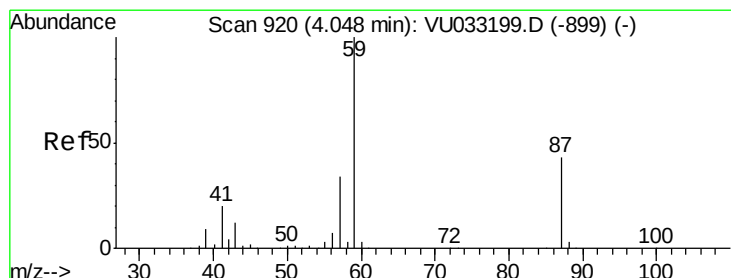
43 58.3 27.3 81.8

Manual Integrations  
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#32

Ethyl-t-butyl ether

Concen: 1.824 ug/l

RT: 4.05 min Scan# 920

Delta R.T. 0.00 min

Lab File: VU033205.D

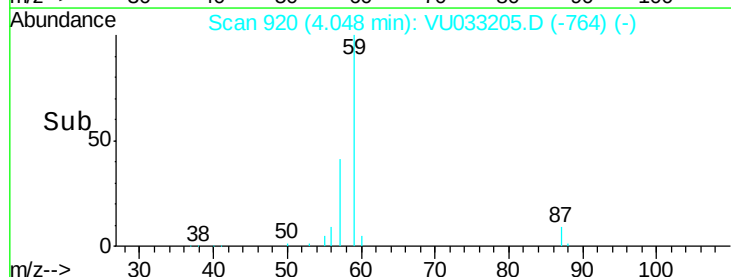
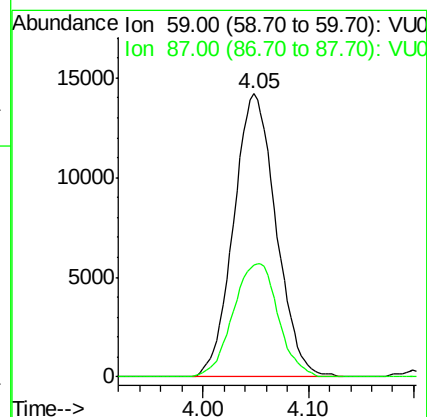
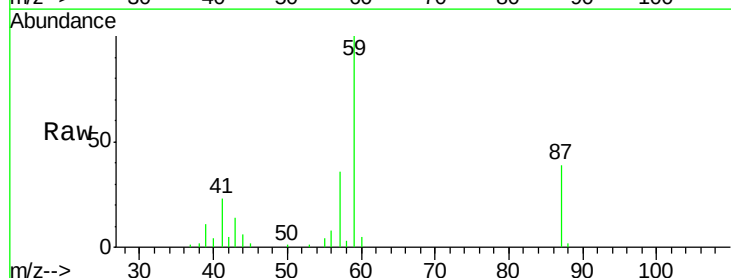
Acq: 11 Jul 2019 23:14

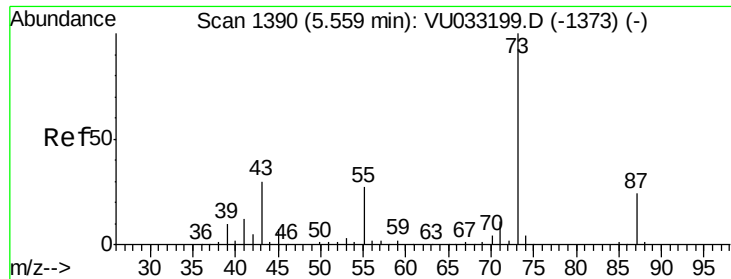
Tgt Ion: 59 Resp: 39745

Ion Ratio Lower Upper

59 100

87 42.5 34.5 51.7



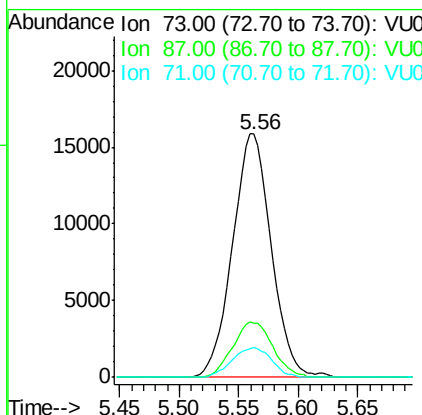
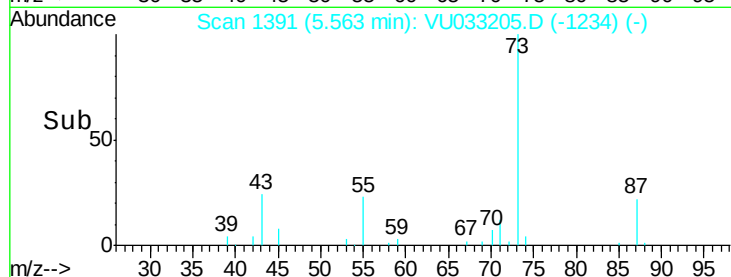
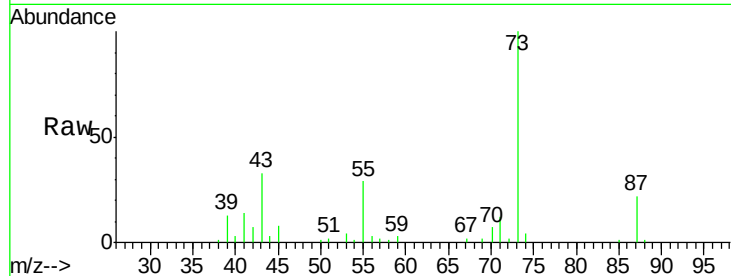


#33  
Tert-Amvl methvl ether  
Concen: 1.784 ug/l  
RT: 5.56 min Scan# 1391  
Delta R.T. 0.00 min  
Lab File: VU033205.D  
Acq: 11 Jul 2019 23:14

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0711WBS01

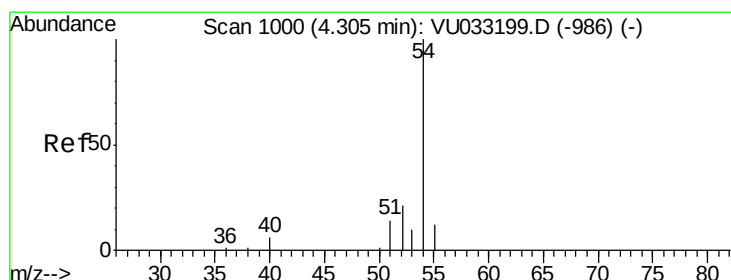
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 87      | 23.3  | 19.8  | 29.6  |
| 71      | 12.3  | 9.1   | 13.7  |

Manual Integrations  
APPROVED



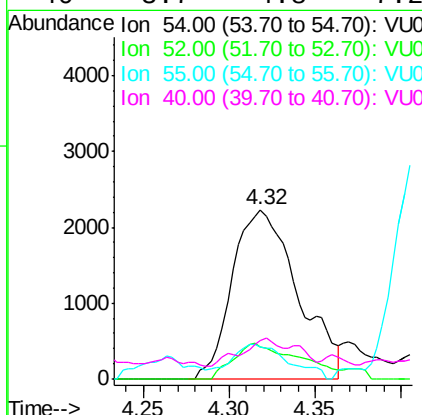
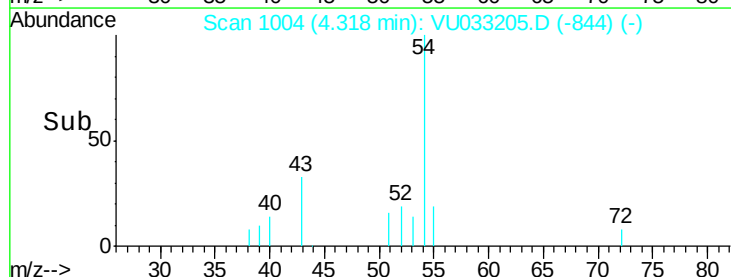
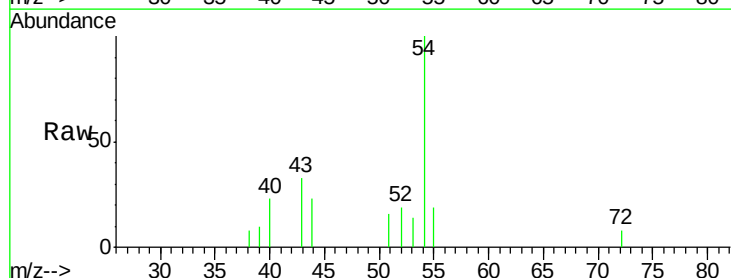
MMDadoda

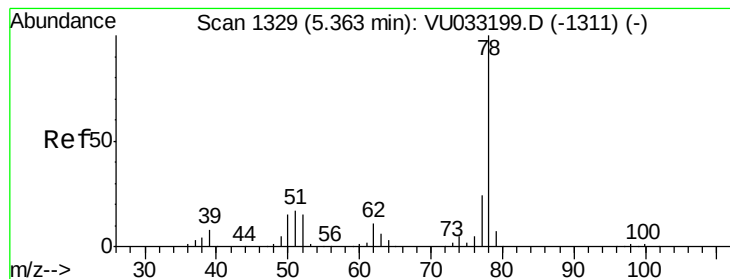
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#34  
Propionitrile  
Concen: 8.414 ug/l  
RT: 4.32 min Scan# 1004  
Delta R.T. 0.01 min  
Lab File: VU033205.D  
Acq: 11 Jul 2019 23:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 54      | 100   |       |       |
| 52      | 21.1  | 16.7  | 25.1  |
| 55      | 17.8  | 12.9  | 19.3  |
| 40      | 3.7   | 4.8   | 7.2#  |





#35

Benzene

Concen: 1.854 ug/l

RT: 5.36 min Scan# 1329

Delta R.T. 0.00 min

Lab File: VU033205.D

Acq: 11 Jul 2019 23:14

Instrument :

MSVOA\_U

ClientSampleId :

VU0711WBS01

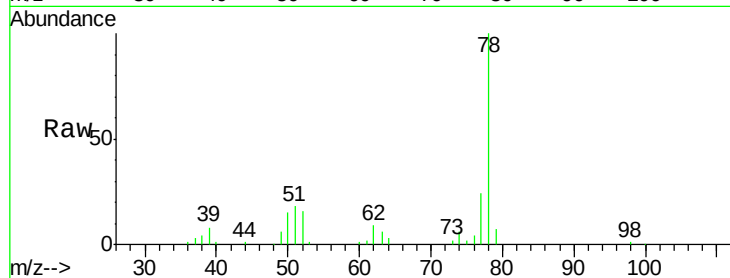
Tot Ion: 78 Resp: 66323

Ion Ratio Lower Upper

78 100

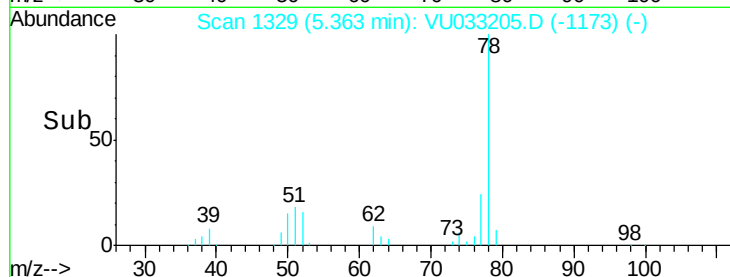
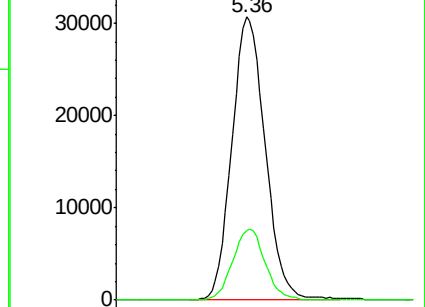
77 24.4 19.3 28.9

Manual Integrations  
APPROVED



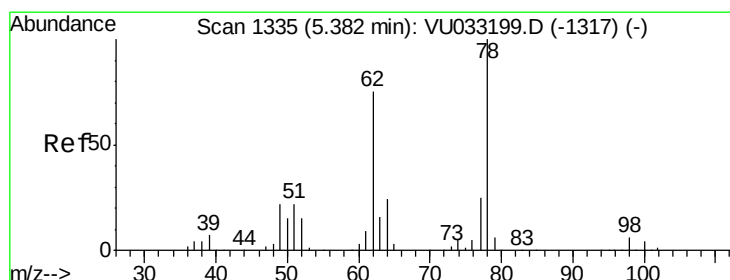
Abundance Ion 78.10 (77.80 to 78.80): VU033199.D (-1311) (-)

Ion 77.00 (76.70 to 77.70): VU033199.D (-1311) (-)



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#36

1,2-Dichloroethane

Concen: 1.888 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU033205.D

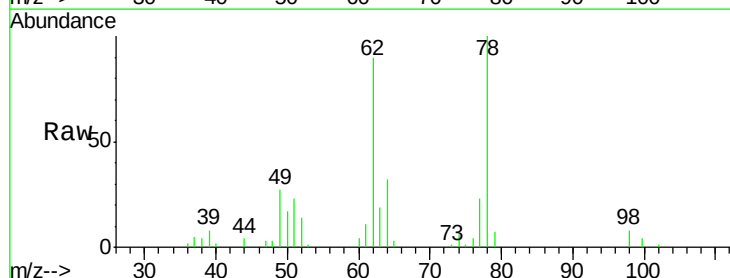
Acq: 11 Jul 2019 23:14

Tgt Ion: 62 Resp: 21859

Ion Ratio Lower Upper

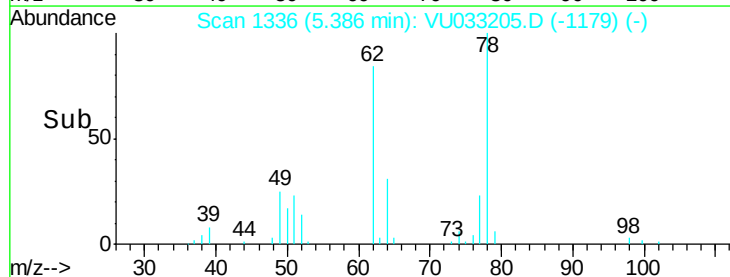
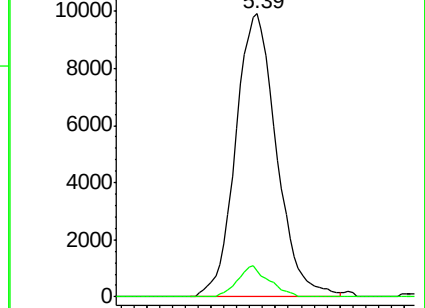
62 100

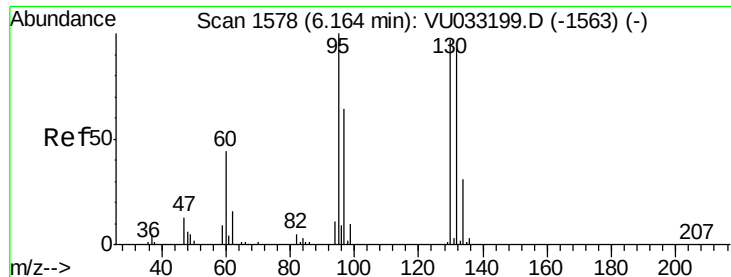
98 8.4 6.7 10.1



Abundance Ion 62.00 (61.70 to 62.70): VU033199.D (-1317) (-)

Ion 98.00 (97.70 to 98.70): VU033199.D (-1317) (-)





#37

Trichloroethene

Concen: 1.803 ug/l

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU033205.D

Acq: 11 Jul 2019 23:14

Instrument :

MSVOA\_U

ClientSampleId :

VU0711WBS01

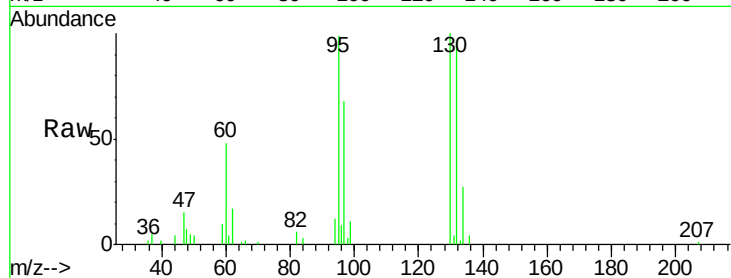
Tot Ion:130 Resp: 16857

Ion Ratio Lower Upper

130 100

95 98.7 82.4 123.6

Manual Integrations  
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Abundance Ion 129.90 (129.60 to 130.60): VU033199.D (-1563) (-)

Ion 94.90 (94.60 to 95.60): VU033199.D (-1563) (-)

6.16

10000

8000

6000

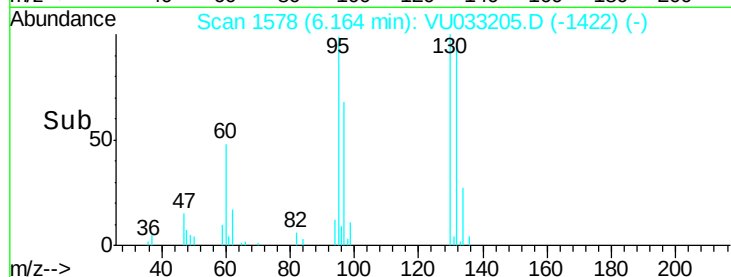
4000

2000

0

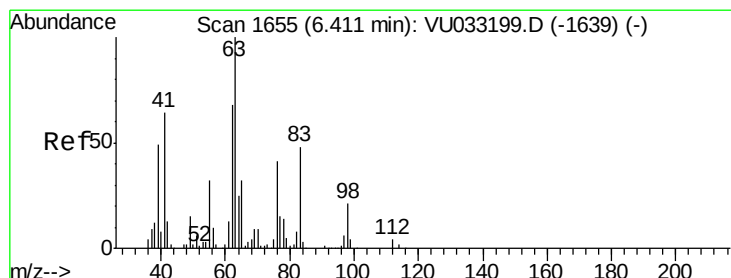
6.10 6.15 6.20 6.25

Time-->



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#38

1,2-Dichloropropane

Concen: 1.892 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU033205.D

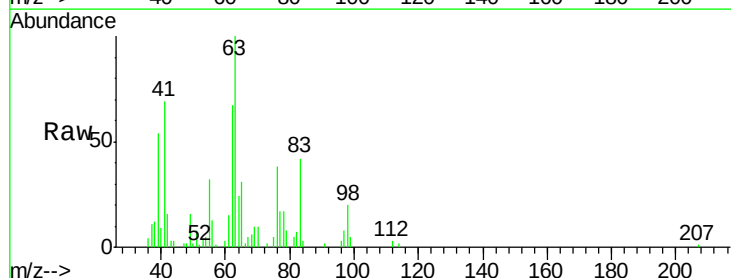
Acq: 11 Jul 2019 23:14

Tgt Ion: 63 Resp: 18308

Ion Ratio Lower Upper

63 100

65 30.8 25.3 37.9



Abundance Ion 63.00 (62.70 to 63.70): VU033199.D (-1639) (-)

Ion 65.00 (64.70 to 65.70): VU033199.D (-1639) (-)

6.41

10000

8000

6000

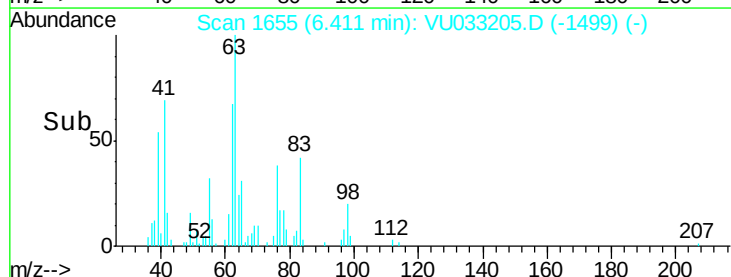
4000

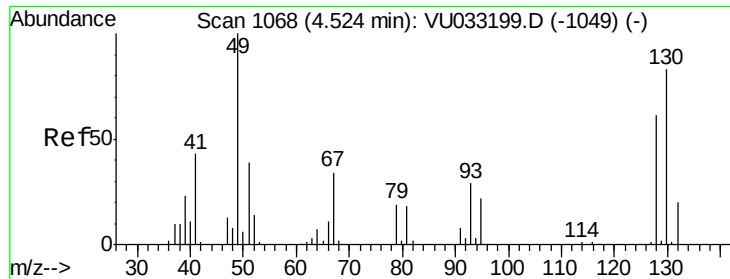
2000

0

6.35 6.40 6.45 6.50

Time-->



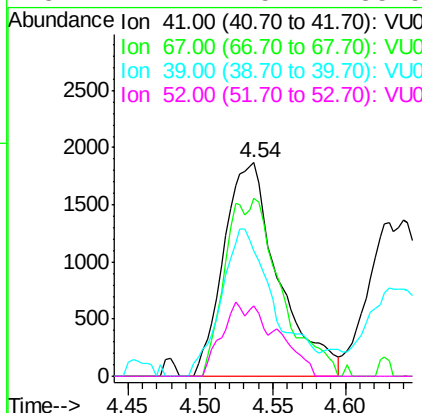
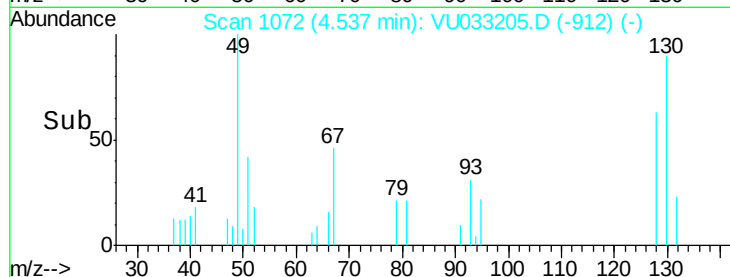
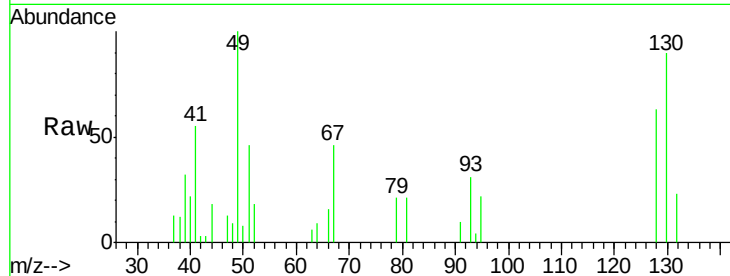


#39  
Methacrylonitrile  
Concen: 1.685 ug/l  
RT: 4.54 min Scan# 1072  
Delta R.T. 0.01 min  
Lab File: VU033205.D  
Acq: 11 Jul 2019 23:14

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0711WBS01

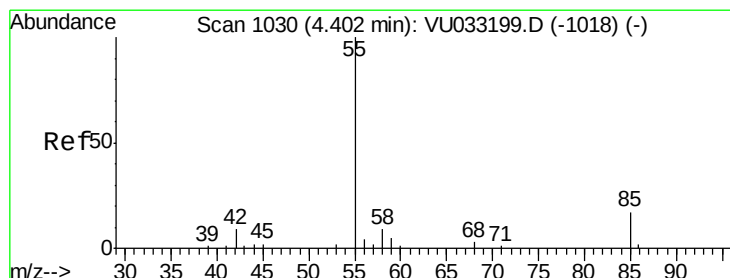
Tot Ion: 41 Resp: 4916  
Ion Ratio Lower Upper  
41 100  
67 33.3 61.0 91.4#  
39 67.1 44.4 66.6#  
52 14.7 25.7 38.5#

Manual Integrations  
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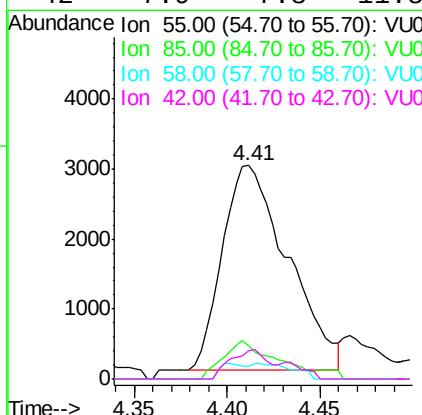
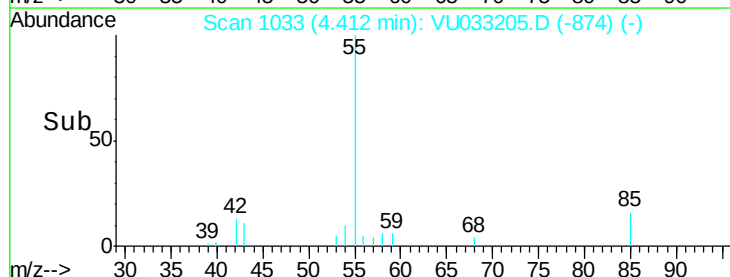
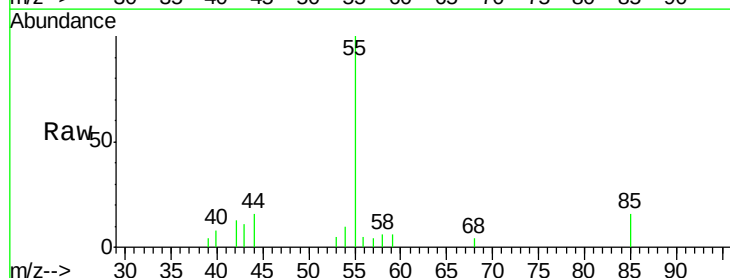
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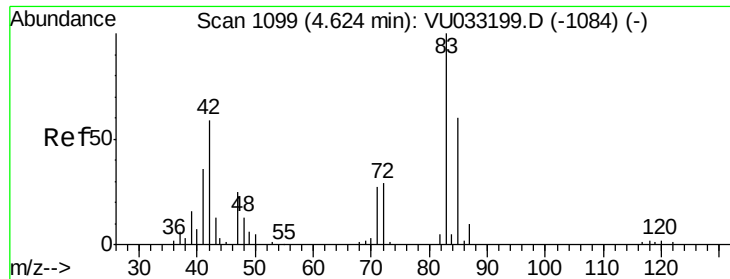


#40  
Methyl acrylate  
Concen: 1.667 ug/l  
RT: 4.41 min Scan# 1033  
Delta R.T. 0.01 min  
Lab File: VU033205.D  
Acq: 11 Jul 2019 23:14

Tgt Ion: 55 Resp: 7202  
Ion Ratio Lower Upper  
55 100  
85 14.8 13.0 19.6  
58 2.5 7.0 10.4#  
42 7.9 7.8 11.8





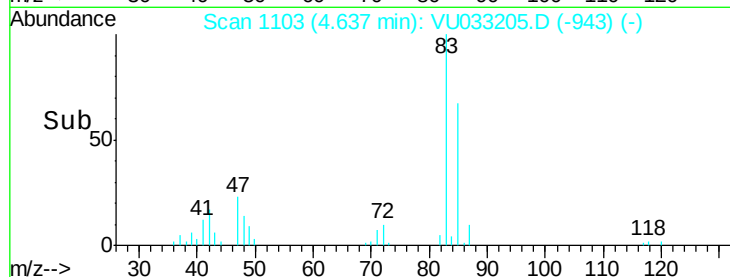
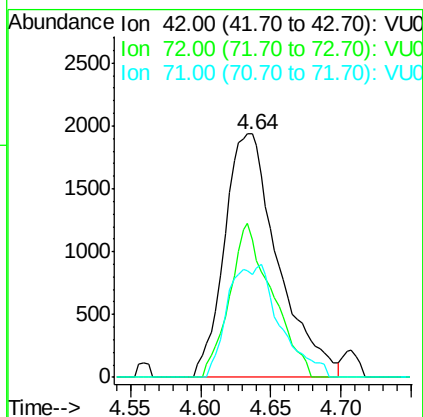
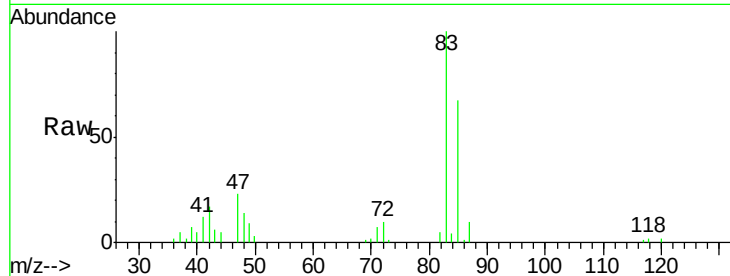


#41  
Tetrahydrofuran  
Concen: 3.352 ug/l  
RT: 4.64 min Scan# 1103  
Delta R.T. 0.01 min  
Lab File: VU033205.D  
Acq: 11 Jul 2019 23:14

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0711WBS01

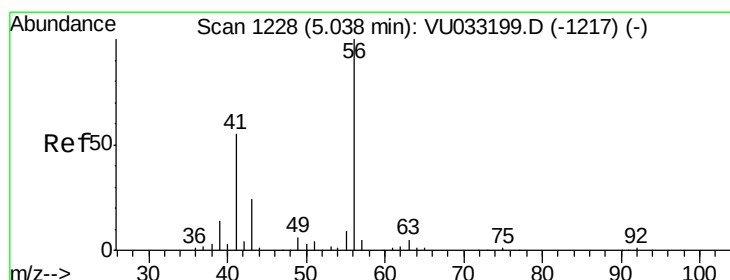
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 50.3  | 40.7  | 61.1  |
| 71      | 45.2  | 35.4  | 53.0  |

Manual Integrations  
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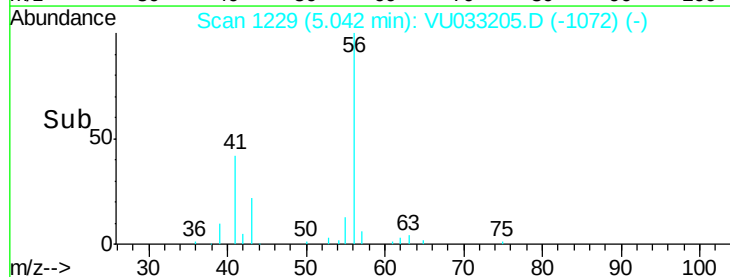
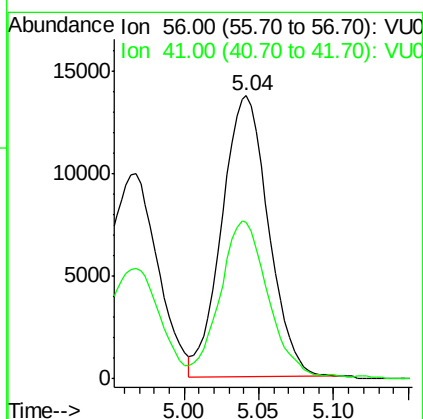
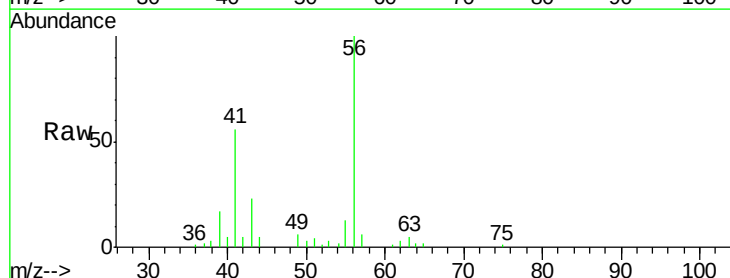
MMDadoda

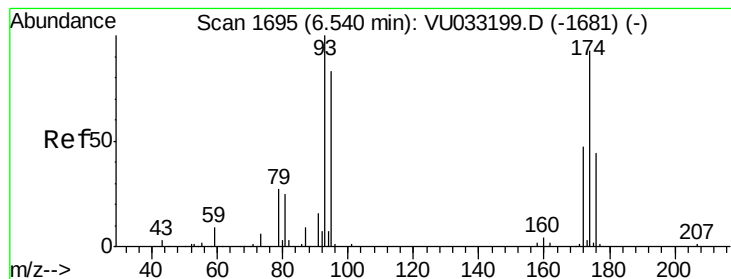
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#42  
1-Chlorobutane  
Concen: 1.783 ug/l  
RT: 5.04 min Scan# 1229  
Delta R.T. 0.00 min  
Lab File: VU033205.D  
Acq: 11 Jul 2019 23:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 41      | 56.9  | 26.5  | 79.4  |





#43

Dibromomethane

Concen: 1.829 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU033205.D

Acq: 11 Jul 2019 23:14

Instrument :

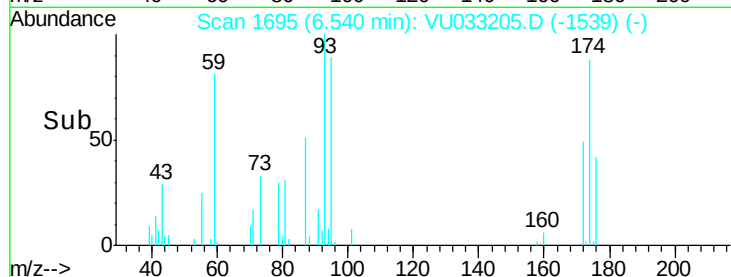
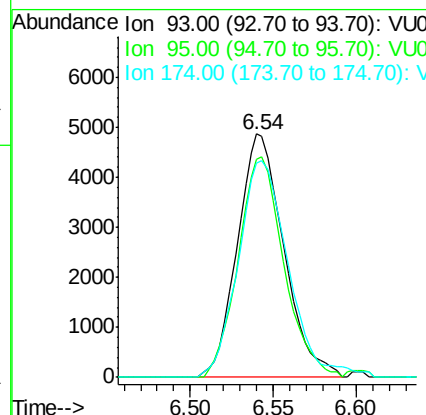
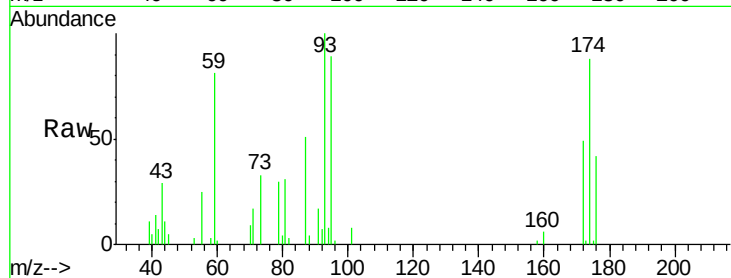
MSVOA\_U

ClientSampleId :

VU0711WBS01

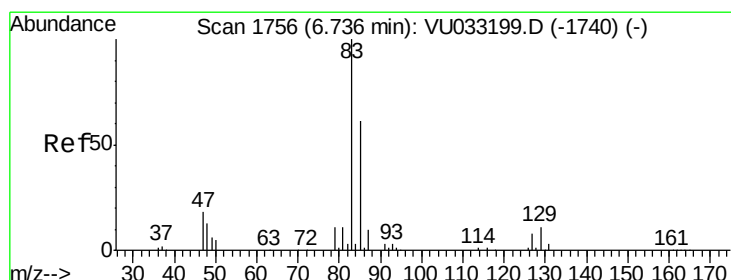
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 93    | Resp: | 9466  |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 95       | 89.2  | 67.5  | 101.3 |
| 174      | 95.7  | 74.2  | 111.2 |

Manual Integrations  
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#44

Bromodichloromethane

Concen: 1.860 ug/l

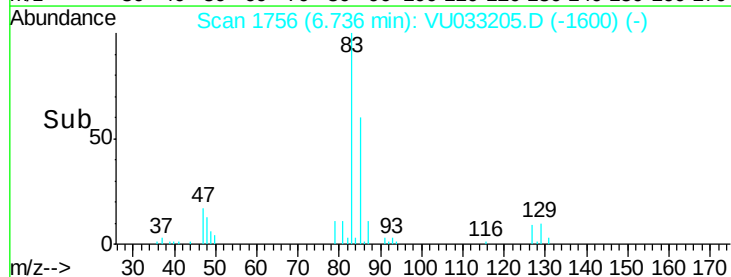
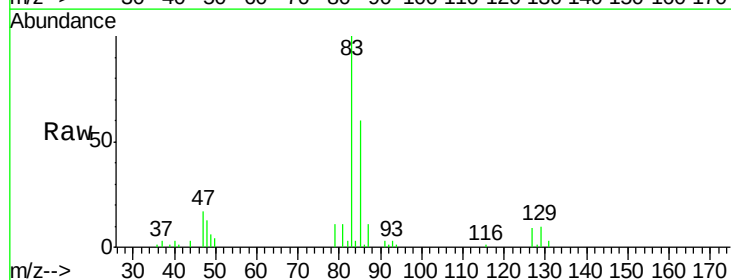
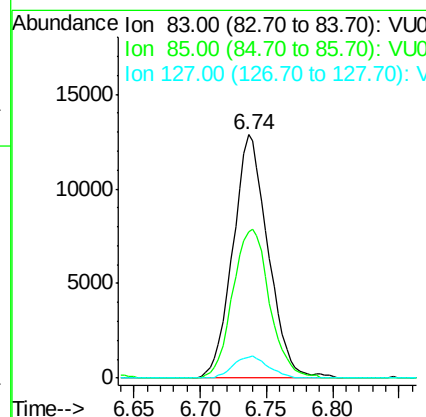
RT: 6.74 min Scan# 1756

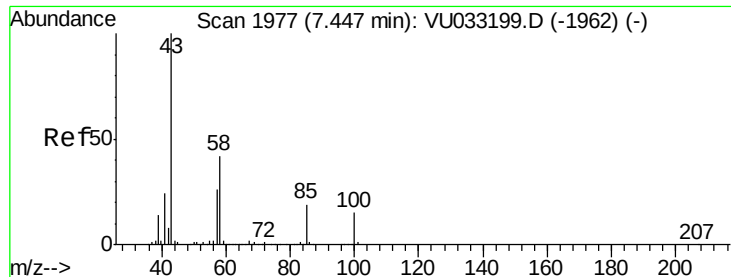
Delta R.T. 0.00 min

Lab File: VU033205.D

Acq: 11 Jul 2019 23:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 23723 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 60.0  | 49.1  | 73.7  |
| 127      | 8.7   | 6.6   | 9.8   |



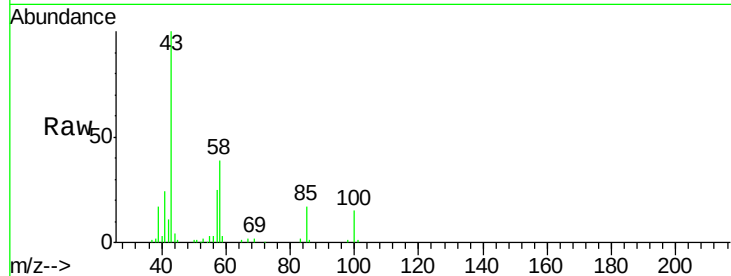


#45  
4-Methyl-2-Pentanone  
Concen: 8.882 ug/l  
RT: 7.45 min Scan# 1977  
Delta R.T. 0.00 min  
Lab File: VU033205.D  
Acq: 11 Jul 2019 23:14

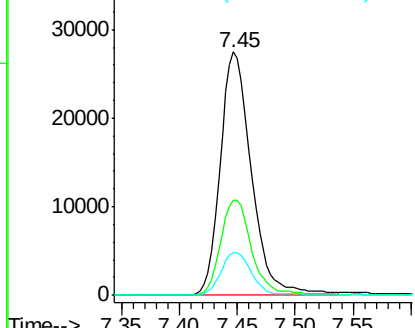
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0711WBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 51753 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 39.2  | 20.4  | 61.2  |
| 85       | 17.3  | 14.7  | 22.1  |

Manual Integrations  
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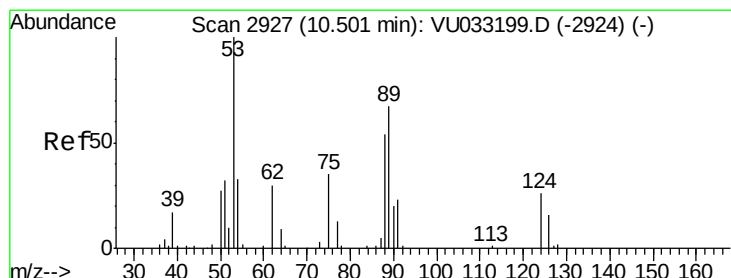
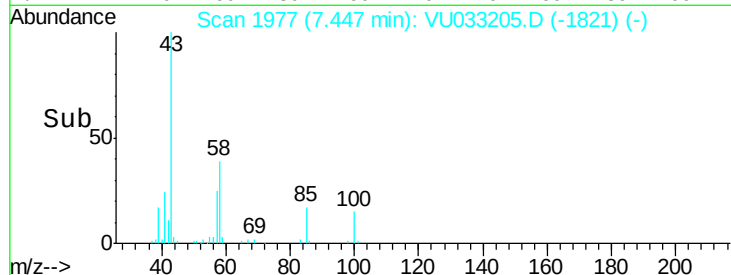


Abundance Ion 43.00 (42.70 to 43.70): VU0  
Ion 58.00 (57.70 to 58.70): VU0  
Ion 85.00 (84.70 to 85.70): VU0



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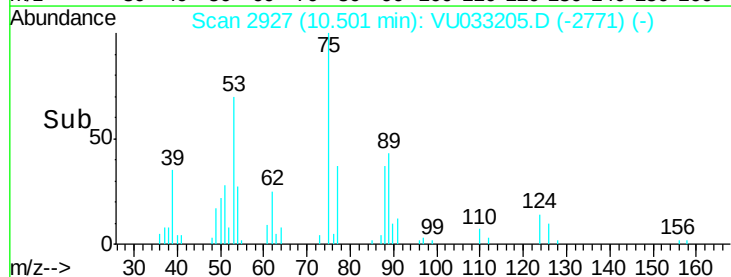
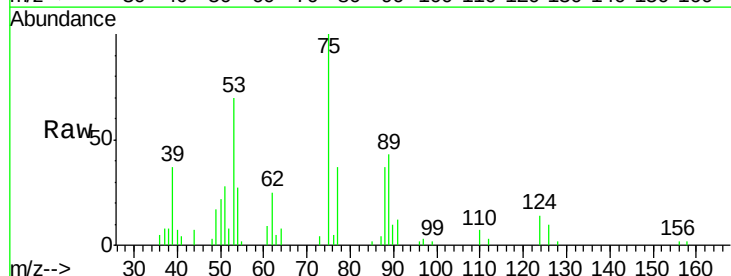
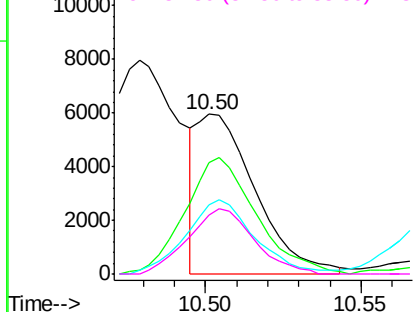
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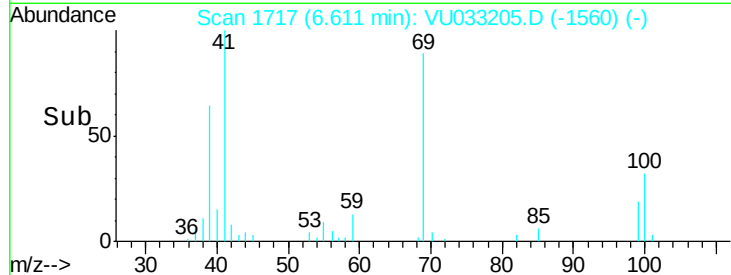
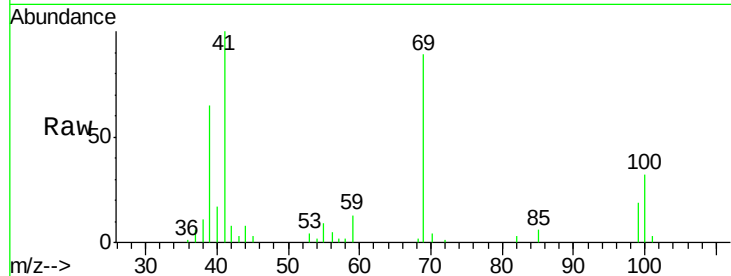
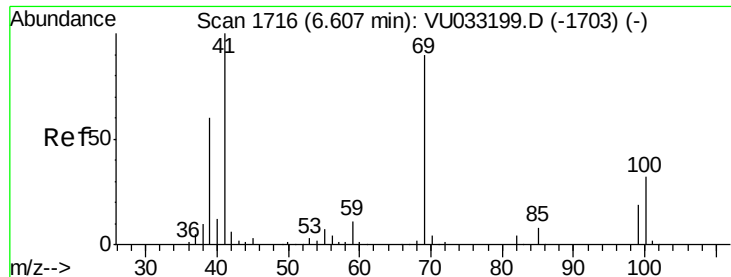


#46  
t-1,4-Dichloro-2-butene  
Concen: 3.116 ug/l m  
RT: 10.50 min Scan# 2927  
Delta R.T. 0.00 min  
Lab File: VU033205.D  
Acq: 11 Jul 2019 23:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 7730  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 89.0  | 63.8  | 95.6  |
| 89       | 55.3  | 44.0  | 66.0  |
| 88       | 46.4  | 34.0  | 51.0  |

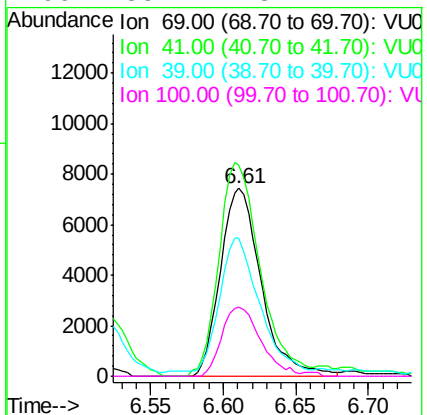
Abundance Ion 74.90 (74.60 to 75.60): VU0  
Ion 53.00 (52.70 to 53.70): VU0  
Ion 88.80 (88.50 to 89.50): VU0  
Ion 87.80 (87.50 to 88.50): VU0





#47  
Methyl methacrylate  
Concen: 3.463 ug/l  
RT: 6.61 min Scan# 1717  
Delta R.T. 0.00 min  
Lab File: VU033205.D  
Acq: 11 Jul 2019 23:14

| Tot Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 69      | 100   |       |       |       |       |
| 41      | 115.4 | 0.0   | 217.0 |       |       |
| 39      | 68.2  | 52.1  | 78.1  |       |       |
| 100     | 35.2  | 28.2  | 42.4  |       |       |

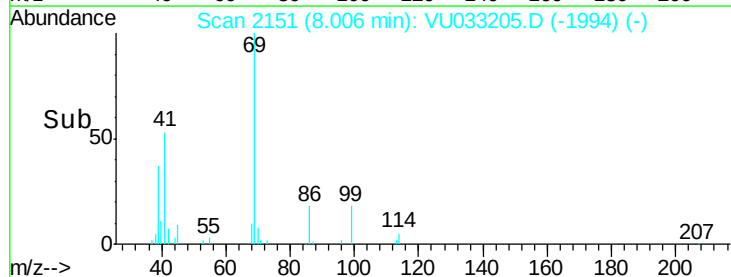
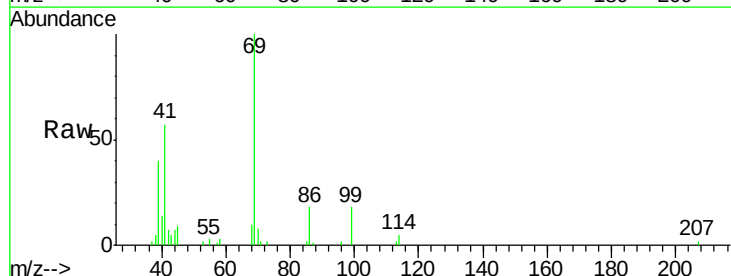
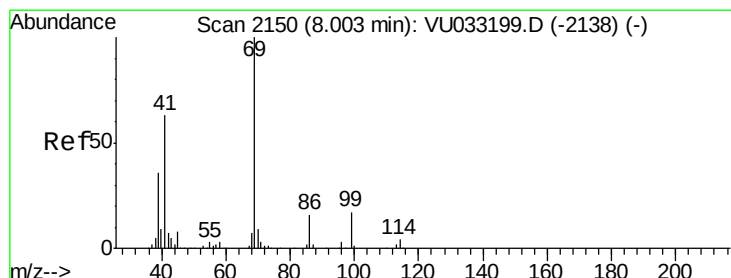


Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0711WBS01

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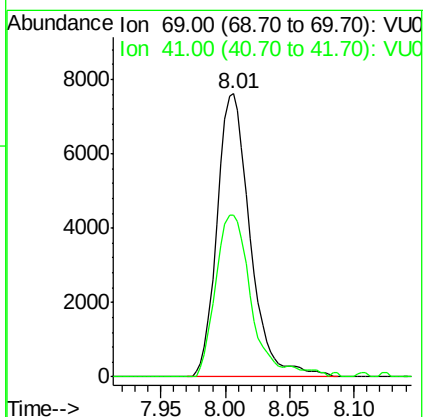
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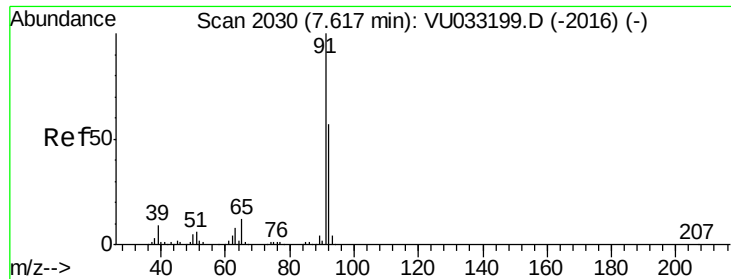
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#48  
Ethyl methacrylate  
Concen: 1.728 ug/l  
RT: 8.01 min Scan# 2151  
Delta R.T. 0.00 min  
Lab File: VU033205.D  
Acq: 11 Jul 2019 23:14

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 69      | 100  |       |      |       |       |
| 41      | 59.2 | 31.3  | 93.8 |       |       |





#49

Toluene

Concen: 1.821 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU033205.D

Acq: 11 Jul 2019 23:14

Instrument :

MSVOA\_U

ClientSampleId :

VU0711WBS01

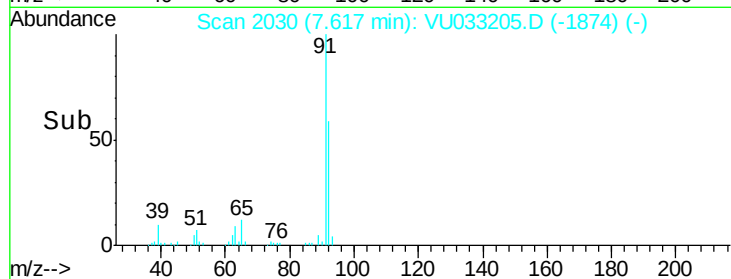
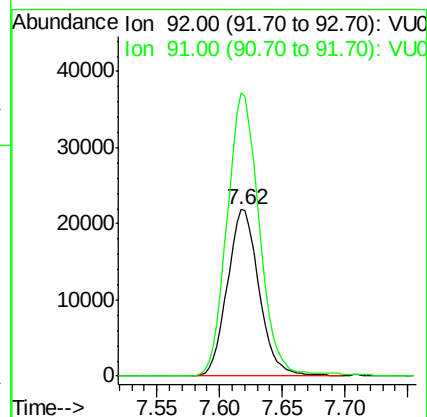
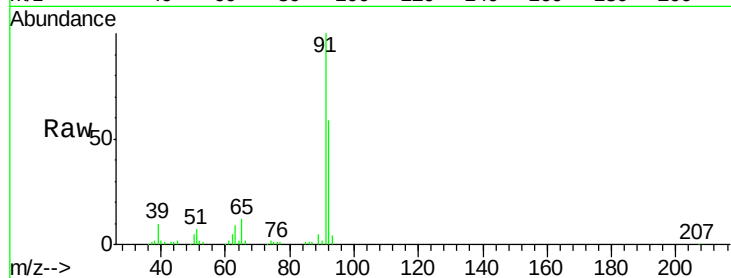
Tot Ion: 92 Resp: 38437

Ion Ratio Lower Upper

92 100

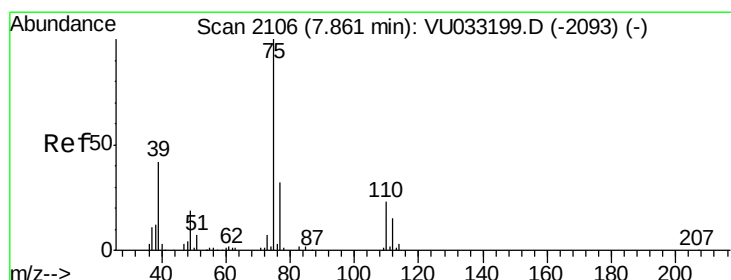
91 171.9 141.2 211.8

Manual Integrations  
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#50

t-1,3-Dichloropropene

Concen: 1.768 ug/l

RT: 7.86 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VU033205.D

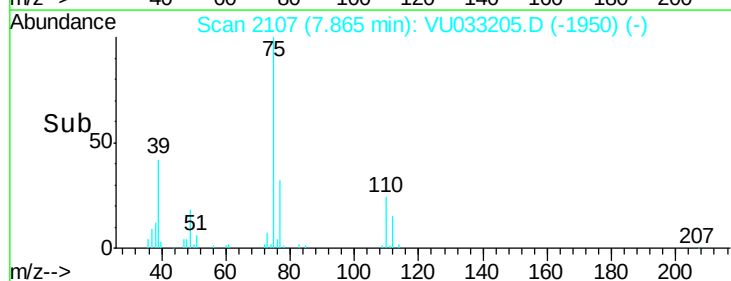
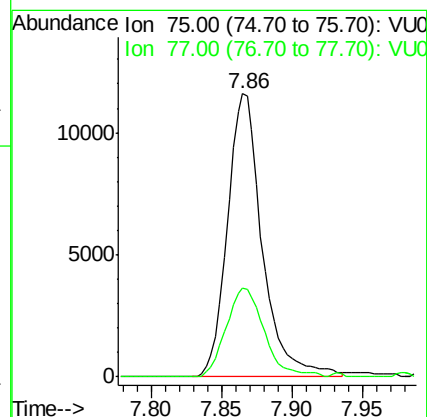
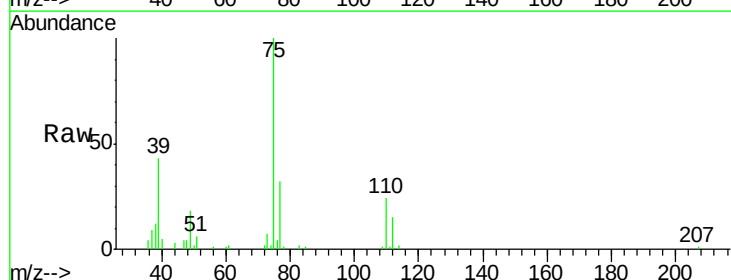
Acq: 11 Jul 2019 23:14

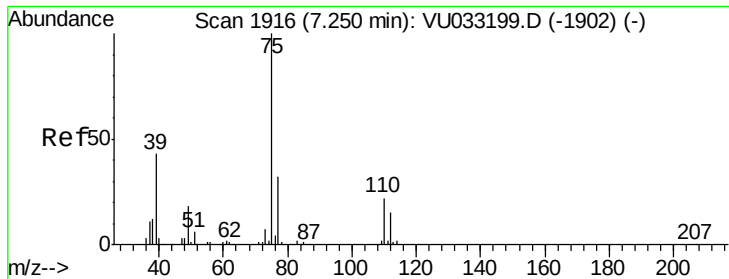
Tgt Ion: 75 Resp: 19996

Ion Ratio Lower Upper

75 100

77 31.6 25.2 37.8





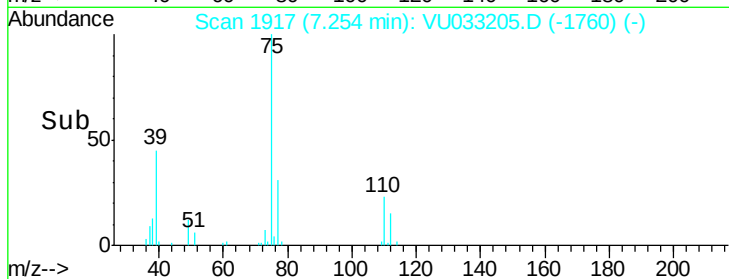
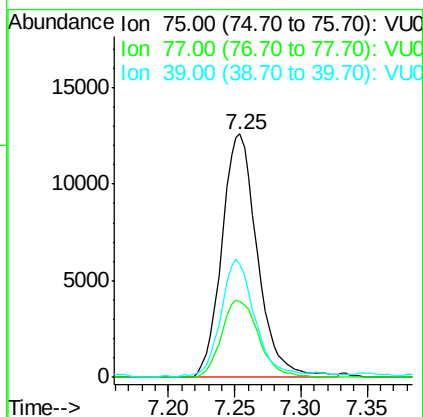
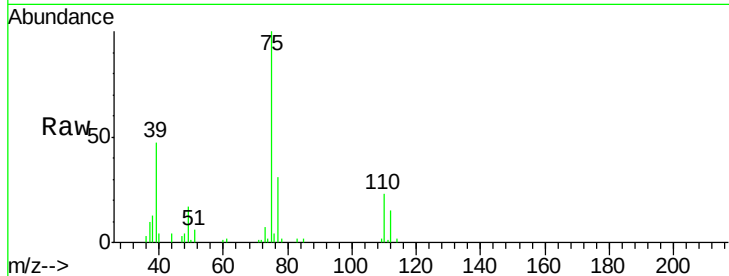
#51

cis-1,3-Dichloropropene  
Concen: 1.799 ug/l  
RT: 7.25 min Scan# 1917  
Delta R.T. 0.00 min  
Lab File: VU033205.D  
Acq: 11 Jul 2019 23:14

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0711WBS01

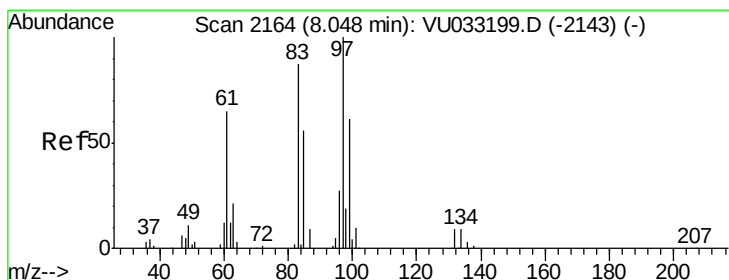
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.0  | 25.4  | 38.0  |
| 39      | 45.7  | 34.5  | 51.7  |

Manual Integrations  
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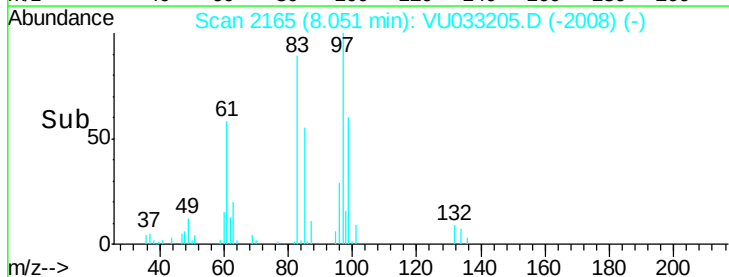
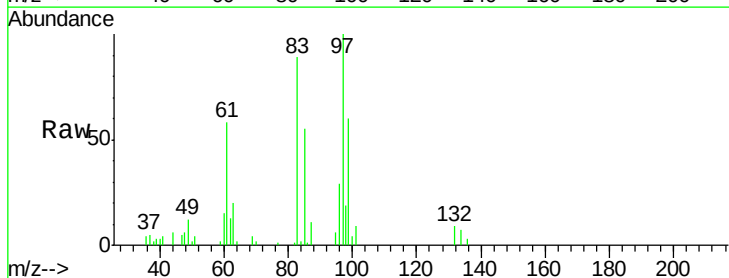
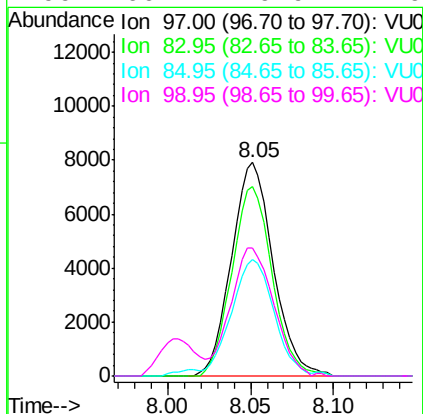
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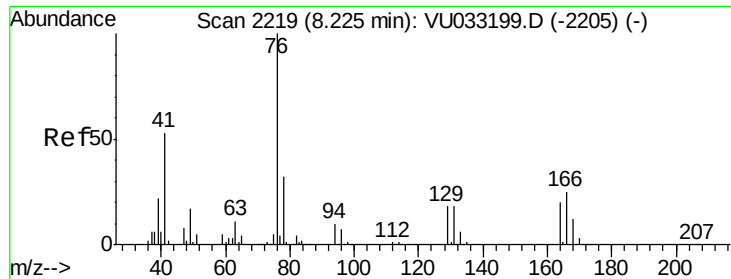


#52

1,1,2-Trichloroethane  
Concen: 1.928 ug/l  
RT: 8.05 min Scan# 2165  
Delta R.T. 0.00 min  
Lab File: VU033205.D  
Acq: 11 Jul 2019 23:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 88.8  | 69.9  | 104.9 |
| 85      | 54.7  | 45.2  | 67.8  |
| 99      | 60.1  | 49.9  | 74.9  |





#53

1,3-Dichloropropane

Concen: 1.885 ug/l

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU033205.D

Acq: 11 Jul 2019 23:14

Instrument :

MSVOA\_U

ClientSampleId :

VU0711WBS01

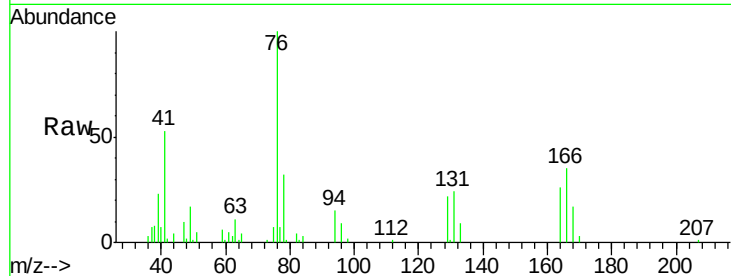
Tot Ion: 76 Resp: 22949

Ion Ratio Lower Upper

76 100

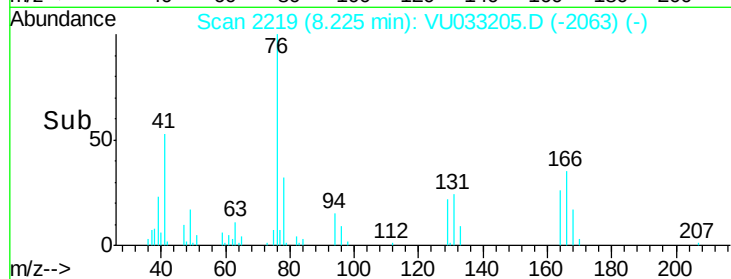
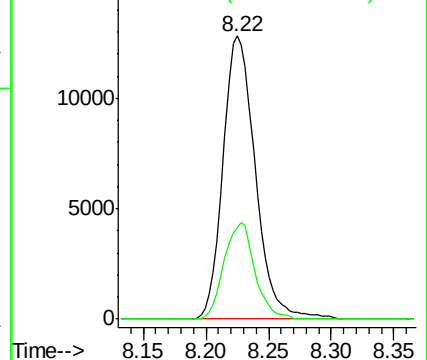
78 32.4 25.9 38.9

Manual Integrations  
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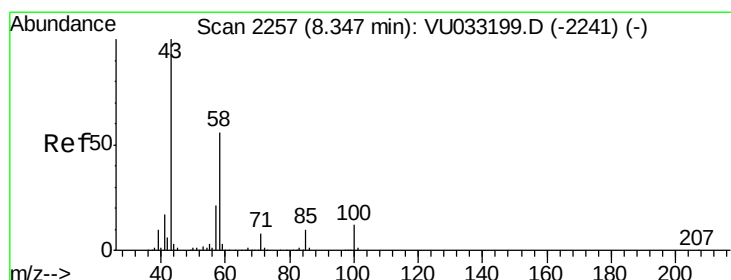
Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0



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#54

2-Hexanone

Concen: 8.915 ug/l

RT: 8.35 min Scan# 2258

Delta R.T. 0.00 min

Lab File: VU033205.D

Acq: 11 Jul 2019 23:14

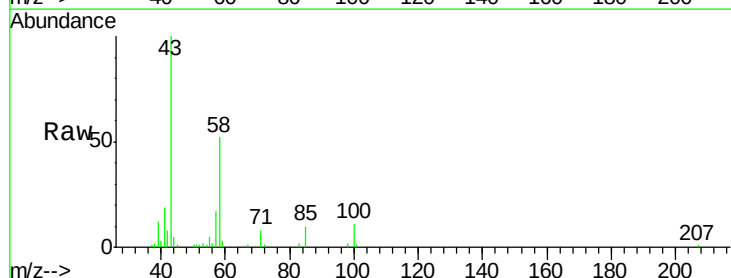
Tgt Ion: 43 Resp: 36305

Ion Ratio Lower Upper

43 100

58 50.8 35.8 75.8

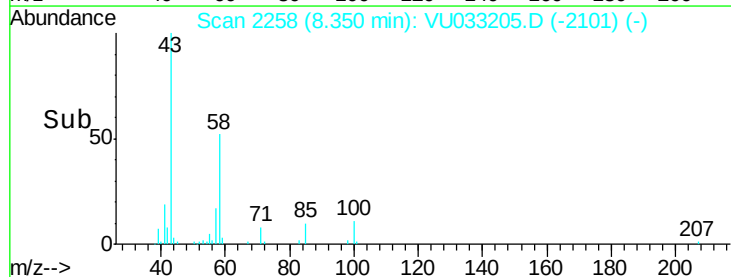
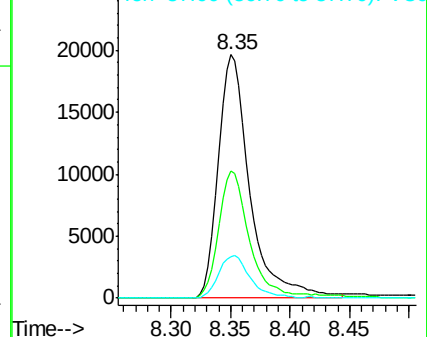
57 17.3 0.2 40.2

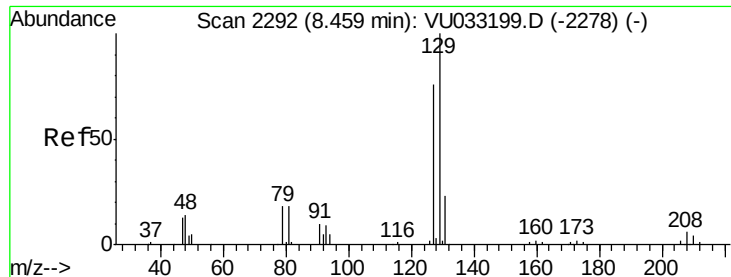


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#55

Dibromochloromethane

Concen: 1.849 ug/l

RT: 8.46 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VU033205.D

Acq: 11 Jul 2019 23:14

Instrument :

MSVOA\_U

ClientSampleId :

VU0711WBS01

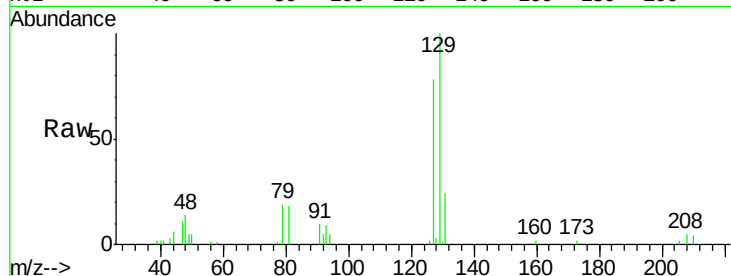
Tot Ion:129 Resp: 15368

Ion Ratio Lower Upper

129 100

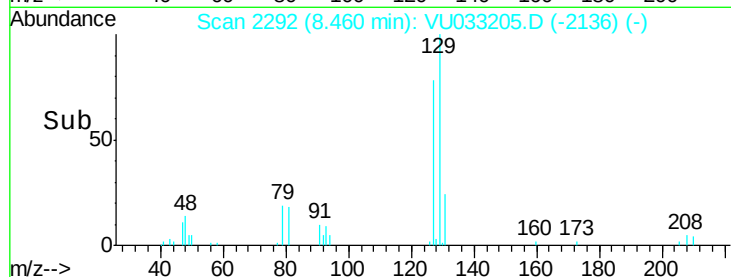
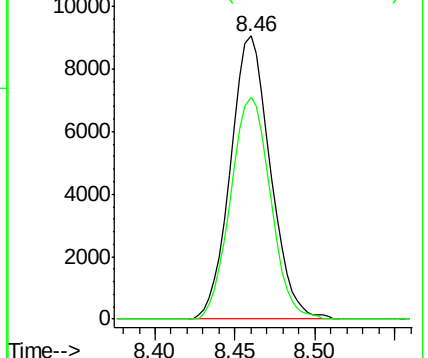
127 78.2 62.9 94.3

Manual Integrations  
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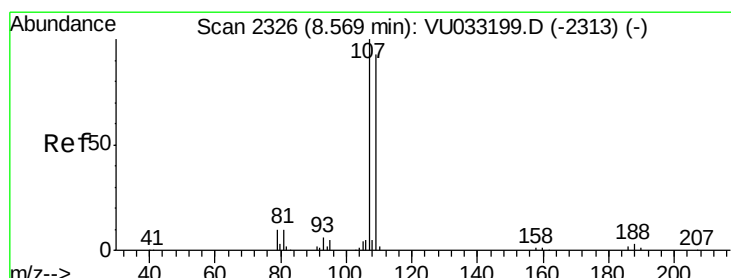
Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



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#56

1,2-Dibromoethane

Concen: 1.878 ug/l

RT: 8.57 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VU033205.D

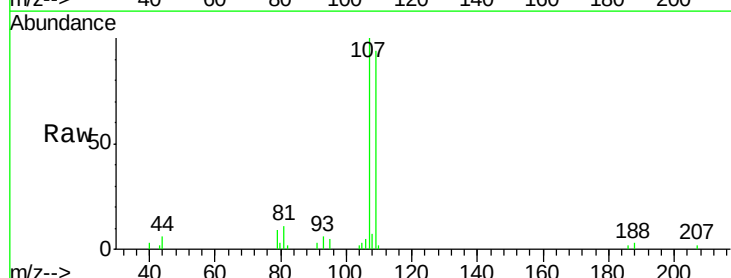
Acq: 11 Jul 2019 23:14

Tgt Ion:107 Resp: 12479

Ion Ratio Lower Upper

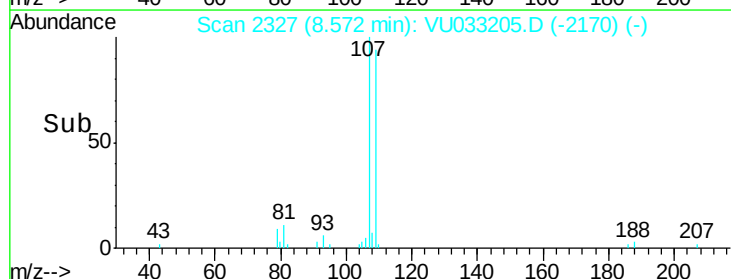
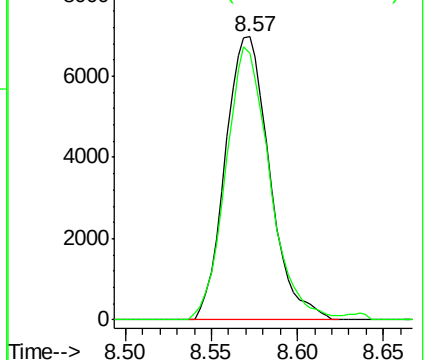
107 100

109 95.9 0.0 189.2

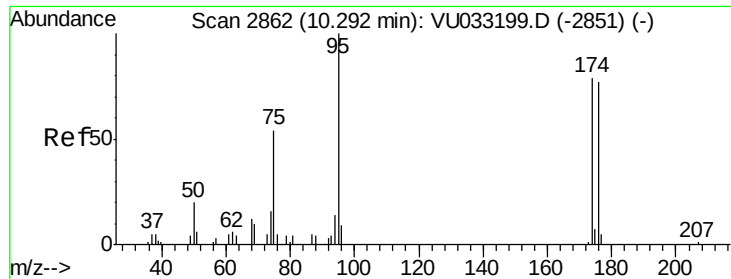


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





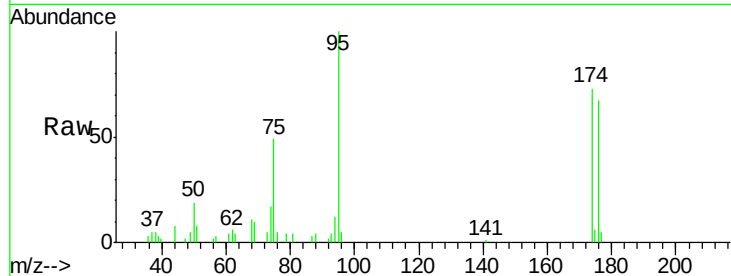


#57  
4-Bromofluorobenzene  
Concen: 1.024 ug/l  
RT: 10.29 min Scan# 2862  
Delta R.T. 0.00 min  
Lab File: VU033205.D  
Acq: 11 Jul 2019 23:14

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0711WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 75.1  | 63.8  | 95.8  |
| 176     | 71.0  | 64.5  | 96.7  |

Manual Integrations  
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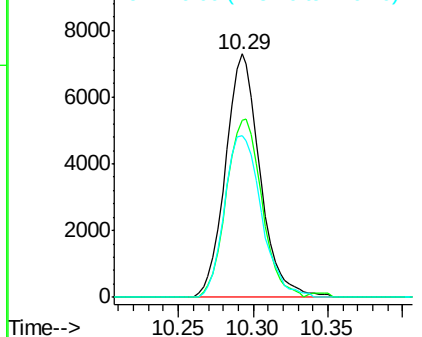


Abundance

Ion 95.00 (94.70 to 95.70): VU033199.D (-2851) (-)

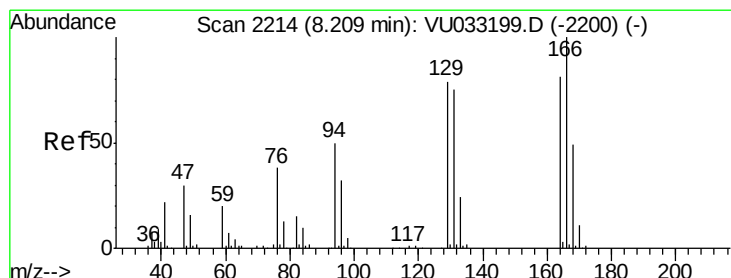
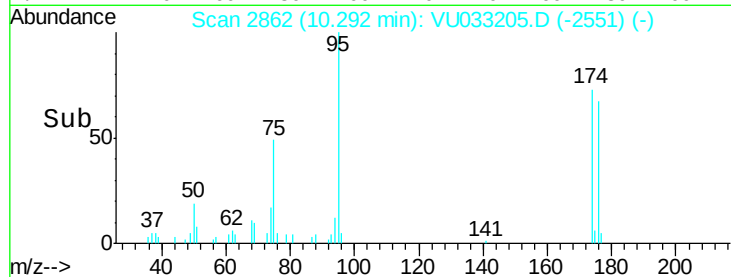
Ion 174.00 (173.70 to 174.70): VU033199.D (-2851) (-)

Ion 176.00 (175.70 to 176.70): VU033199.D (-2851) (-)



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#58  
Tetrachloroethene  
Concen: 1.877 ug/l  
RT: 8.21 min Scan# 2214  
Delta R.T. 0.00 min  
Lab File: VU033205.D  
Acq: 11 Jul 2019 23:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 119.6 | 99.3  | 148.9 |
| 129     | 95.5  | 78.0  | 117.0 |
| 131     | 93.0  | 74.5  | 111.7 |

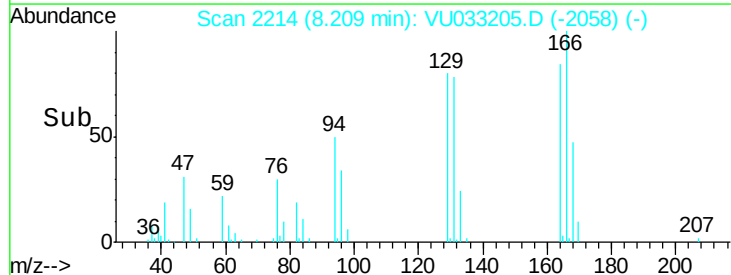
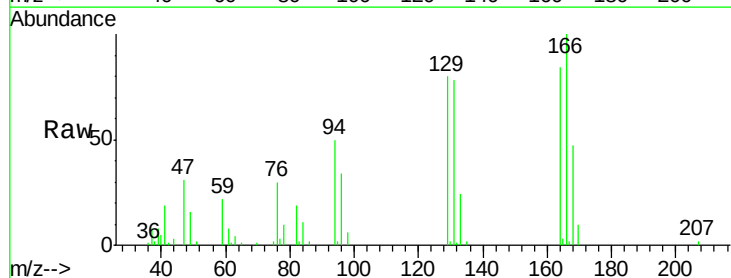
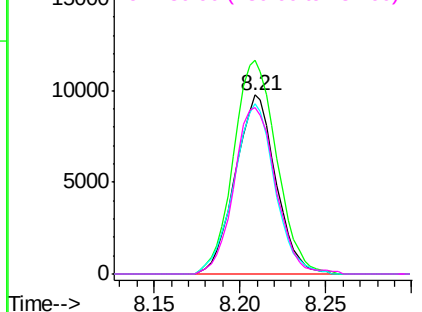
Abundance

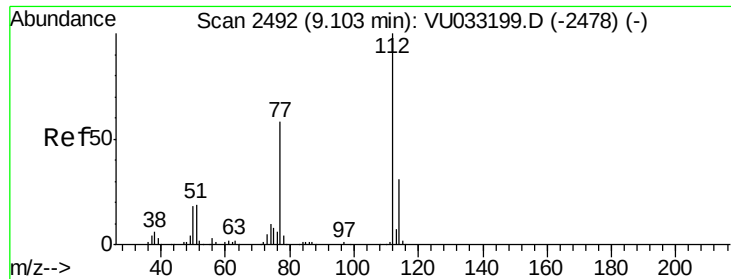
Ion 163.85 (163.55 to 164.55): VU033199.D (-2200) (-)

Ion 165.80 (165.50 to 166.50): VU033199.D (-2200) (-)

Ion 128.90 (128.60 to 129.60): VU033199.D (-2200) (-)

Ion 130.90 (130.60 to 131.60): VU033199.D (-2200) (-)



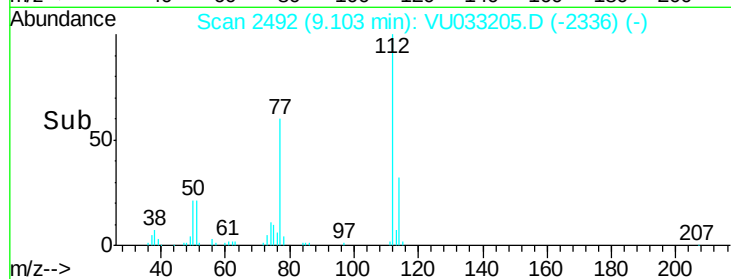
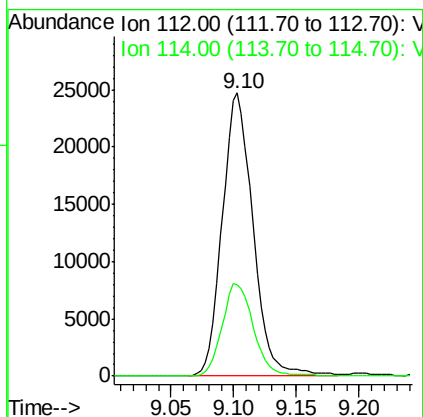
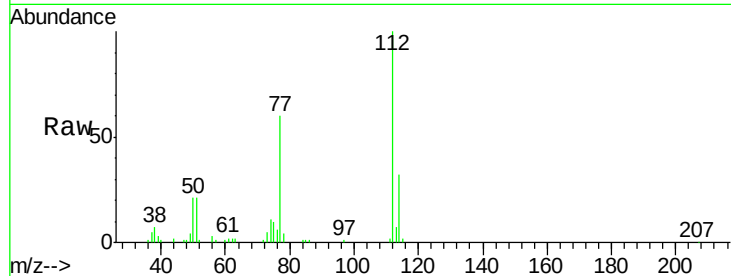


#59  
Chlorobenzene  
Concen: 1.776 ug/l  
RT: 9.10 min Scan# 2492  
Delta R.T. 0.00 min  
Lab File: VU033205.D  
Acq: 11 Jul 2019 23:14

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0711WBS01

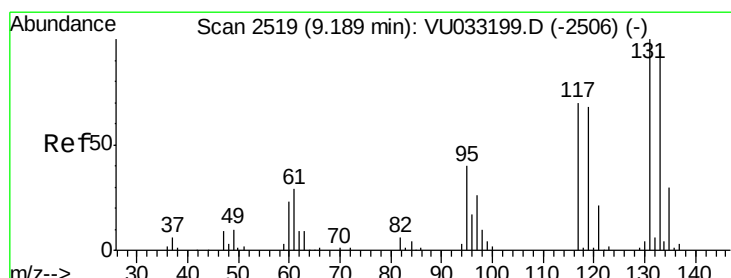
Tot Ion:112 Resp: 42126  
Ion Ratio Lower Upper  
112 100  
114 32.4 25.1 37.7

Manual Integrations  
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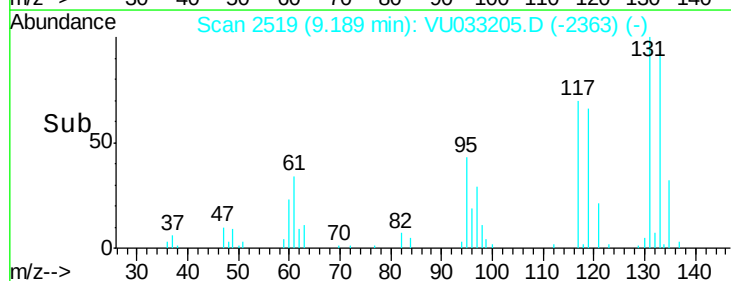
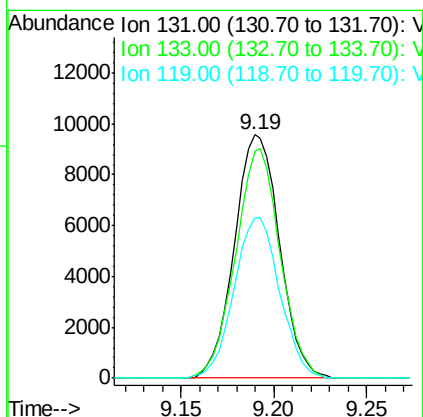
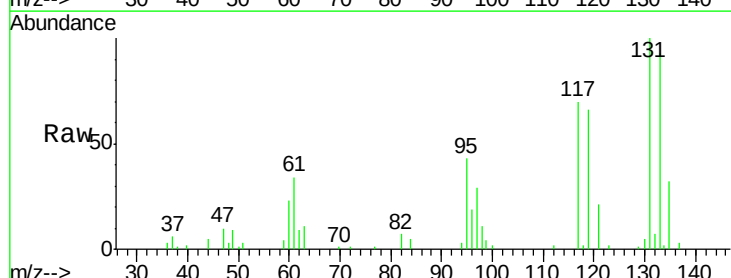
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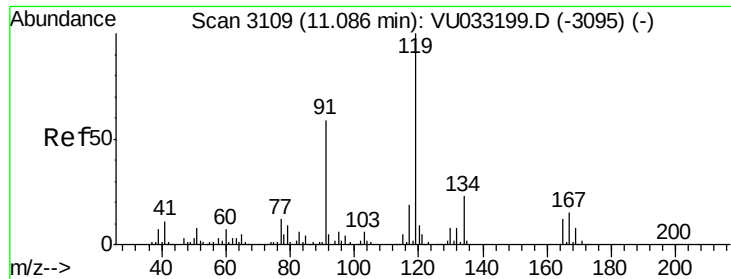
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#60  
1,1,1,2-Tetrachloroethane  
Concen: 1.852 ug/l  
RT: 9.19 min Scan# 2519  
Delta R.T. 0.00 min  
Lab File: VU033205.D  
Acq: 11 Jul 2019 23:14

Tgt Ion:131 Resp: 16182  
Ion Ratio Lower Upper  
131 100  
133 93.0 76.7 115.1  
119 66.5 54.2 81.2



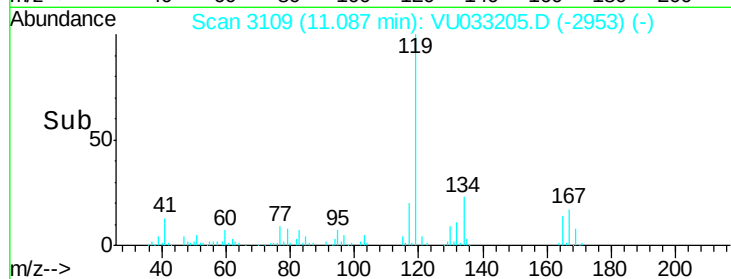
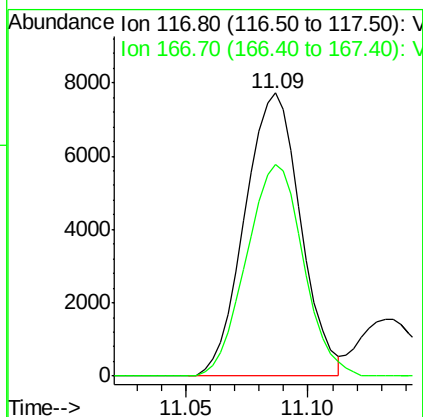
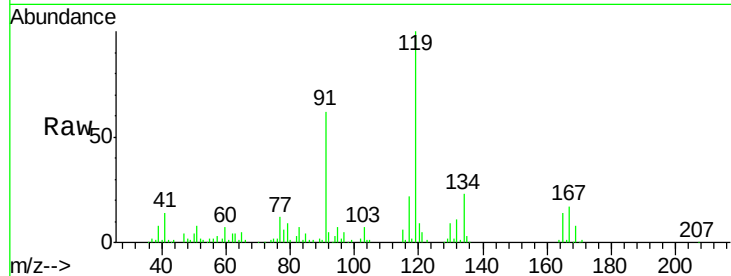


#61  
 Pentachloroethane  
 Concen: 1.783 ug/l  
 RT: 11.09 min Scan# 3109  
 Delta R.T. 0.00 min  
 Lab File: VU033205.D  
 Acq: 11 Jul 2019 23:14

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0711WBS01

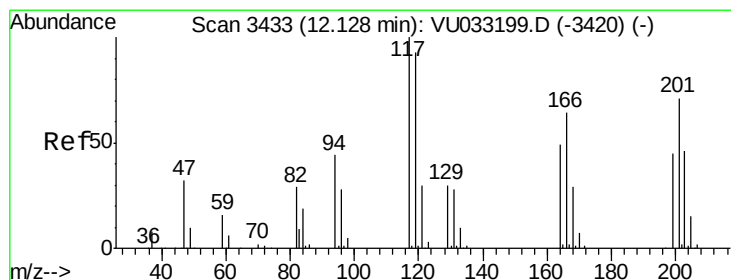
Tot Ion:117 Resp: 12247  
 Ion Ratio Lower Upper  
 117 100  
 167 76.3 63.6 95.4

Manual Integrations  
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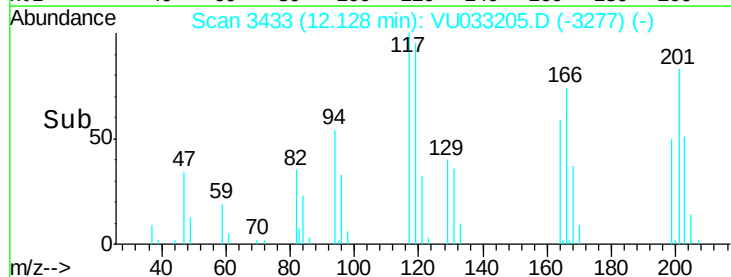
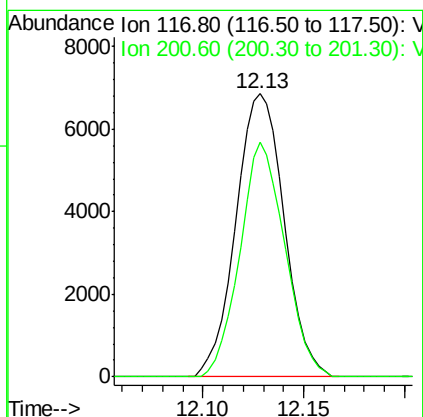
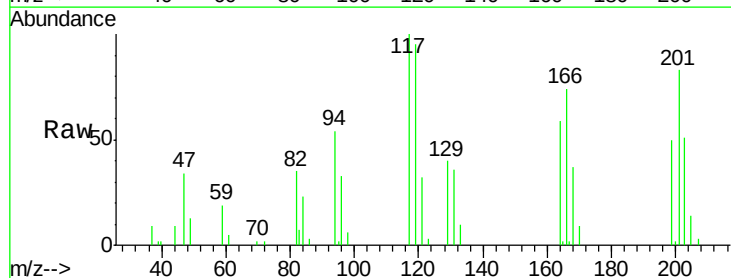
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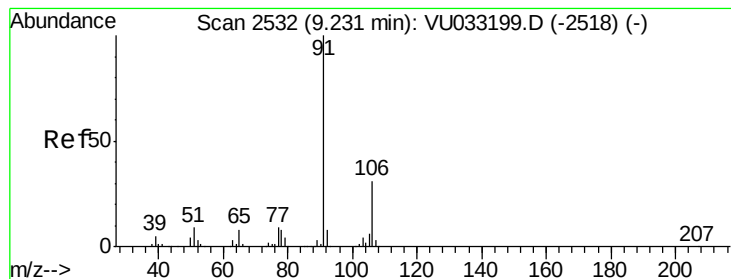
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#62  
 Hexachloroethane  
 Concen: 1.720 ug/l  
 RT: 12.13 min Scan# 3433  
 Delta R.T. 0.00 min  
 Lab File: VU033205.D  
 Acq: 11 Jul 2019 23:14

Tgt Ion:117 Resp: 11474  
 Ion Ratio Lower Upper  
 117 100  
 201 77.1 58.5 87.7





#63

Ethyl Benzene

Concen: 1.737 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU033205.D

Acq: 11 Jul 2019 23:14

Instrument :

MSVOA\_U

ClientSampleId :

VU0711WBS01

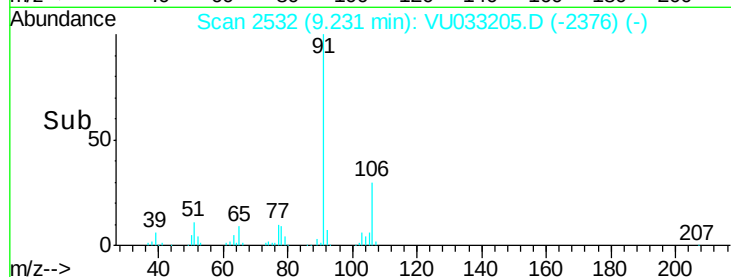
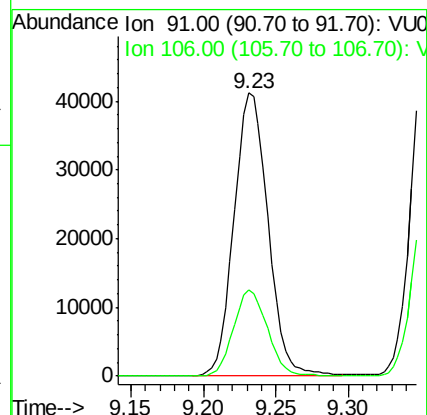
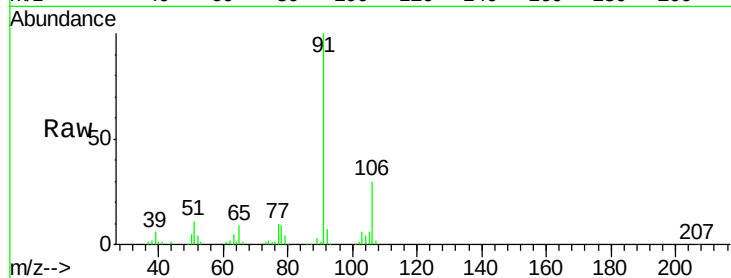
Tot Ion: 91 Resp: 67333

Ion Ratio Lower Upper

91 100

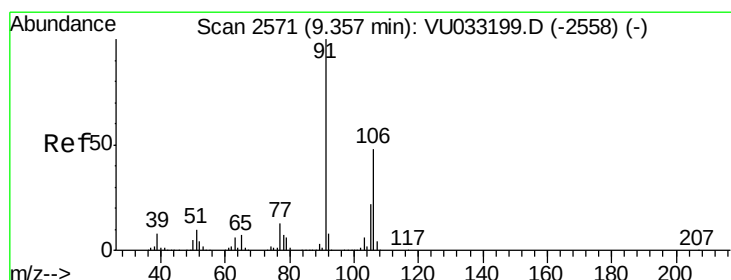
106 30.5 24.9 37.3

Manual Integrations  
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#64

m/p-Xylenes

Concen: 3.567 ug/l

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU033205.D

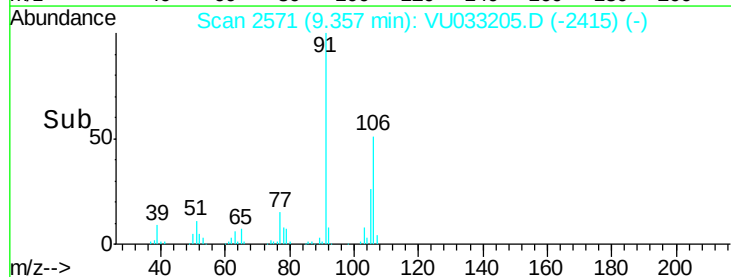
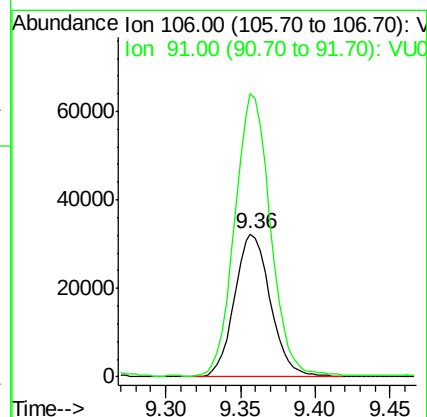
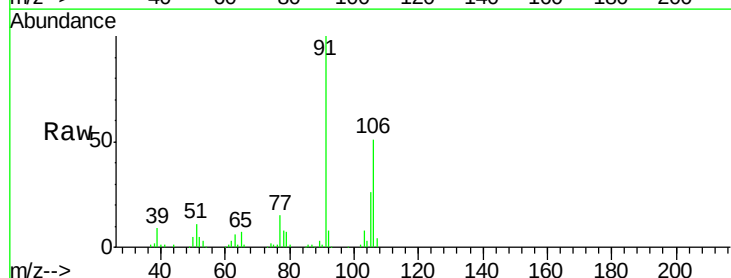
Acq: 11 Jul 2019 23:14

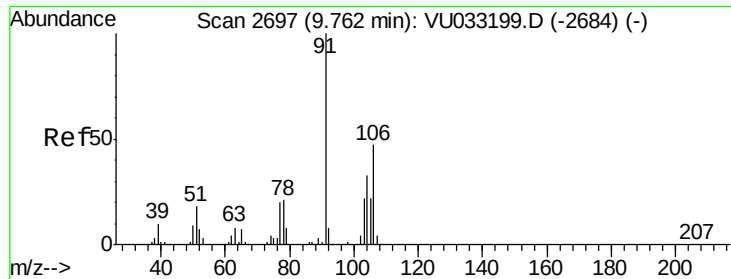
Tgt Ion: 106 Resp: 54054

Ion Ratio Lower Upper

106 100

91 196.0 164.8 247.2



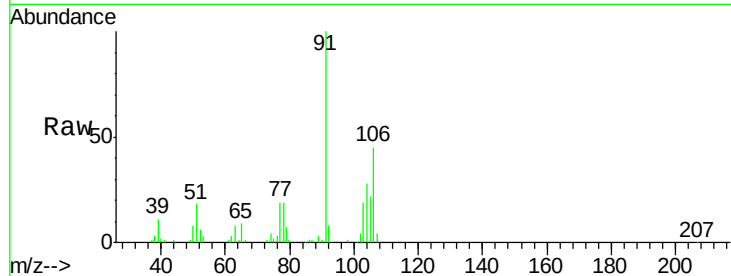


#65  
o-Xylene  
Concen: 1.725 ug/l  
RT: 9.76 min Scan# 2697  
Delta R.T. 0.00 min  
Lab File: VU033205.D  
Acq: 11 Jul 2019 23:14

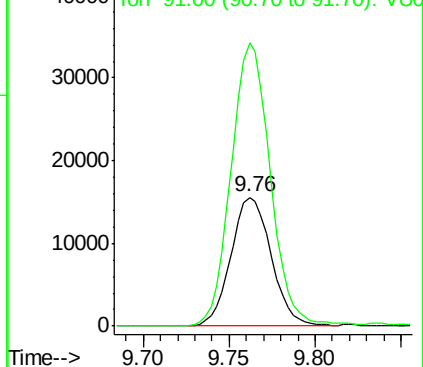
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0711WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 214.2 | 108.6 | 325.8 |

Manual Integrations  
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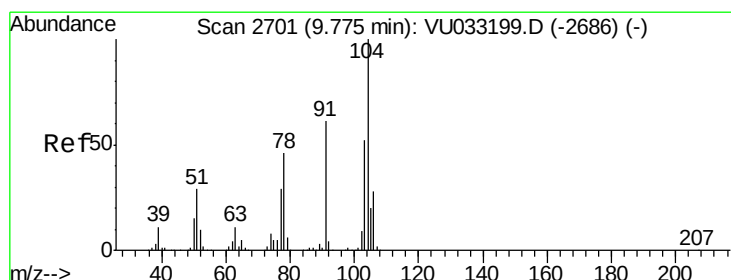
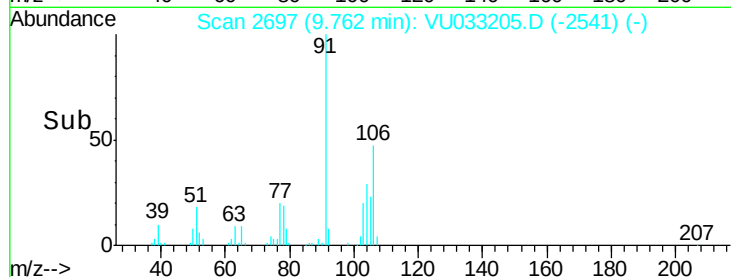


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VU0



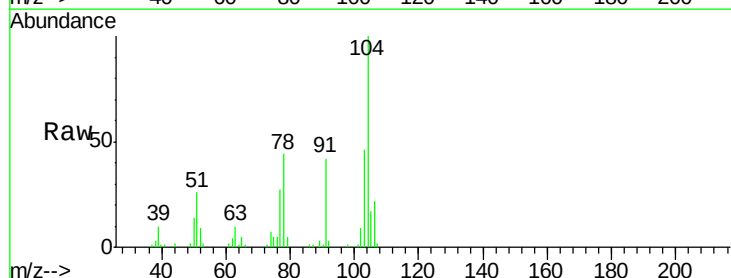
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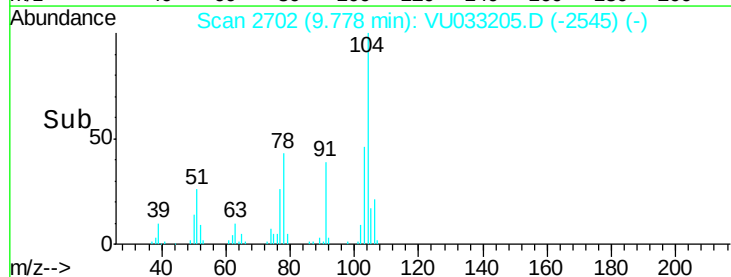
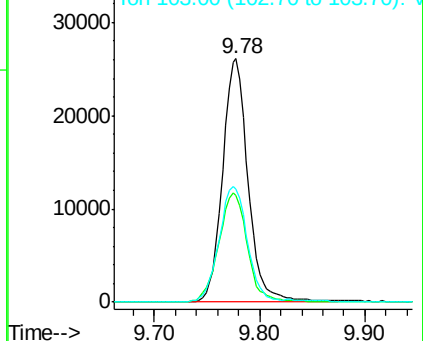


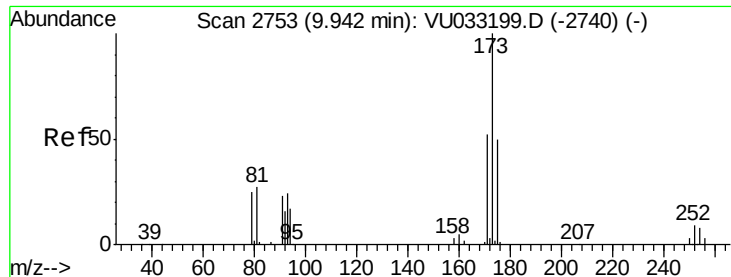
#66  
Styrene  
Concen: 1.756 ug/l  
RT: 9.78 min Scan# 2702  
Delta R.T. 0.00 min  
Lab File: VU033205.D  
Acq: 11 Jul 2019 23:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 49.8  | 40.4  | 60.6  |
| 103     | 53.0  | 44.3  | 66.5  |



Abundance Ion 104.00 (103.70 to 104.70): V  
Ion 78.00 (77.70 to 78.70): VU0  
Ion 103.00 (102.70 to 103.70): V



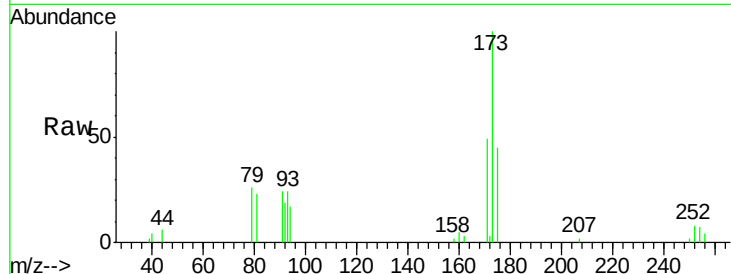


#67  
Bromoform  
Concen: 1.866 ug/l  
RT: 9.94 min Scan# 2753  
Delta R.T. 0.00 min  
Lab File: VU033205.D  
Acq: 11 Jul 2019 23:14

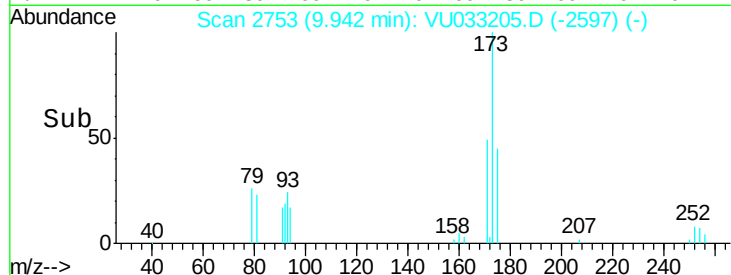
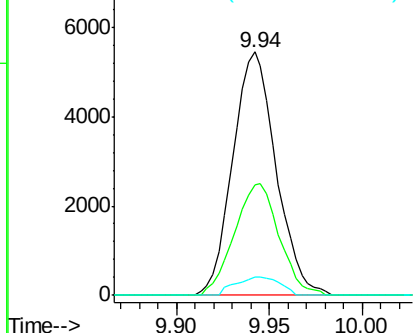
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0711WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 47.4  | 39.4  | 59.0  |
| 254     | 7.7   | 6.9   | 10.3  |

Manual Integrations  
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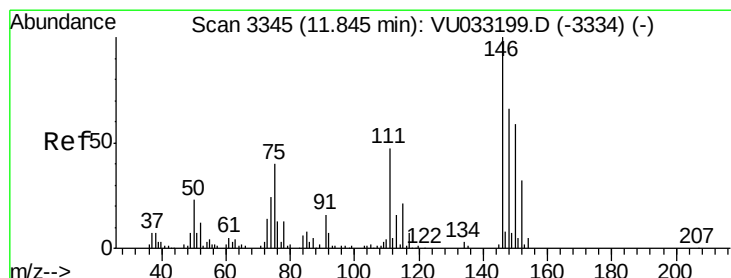


Abundance Ion 172.90 (172.60 to 173.60): V  
Ion 174.90 (174.60 to 175.60): V  
Ion 253.75 (253.45 to 254.45): V



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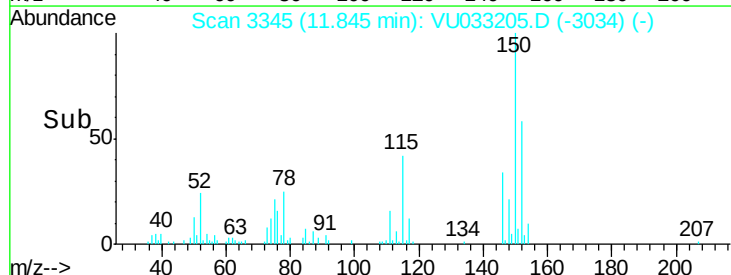
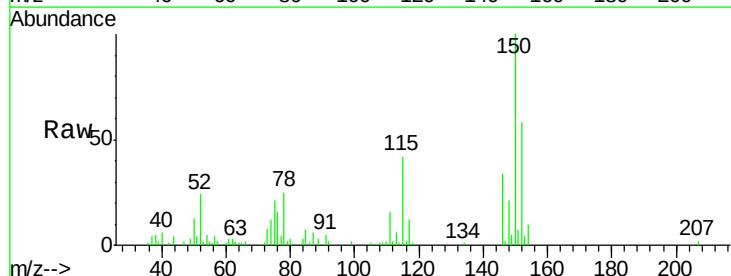
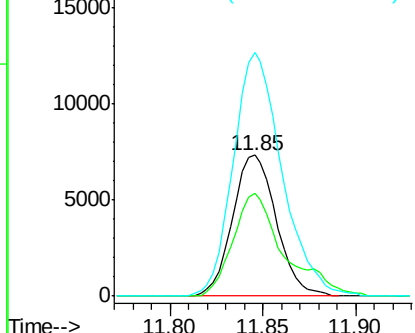
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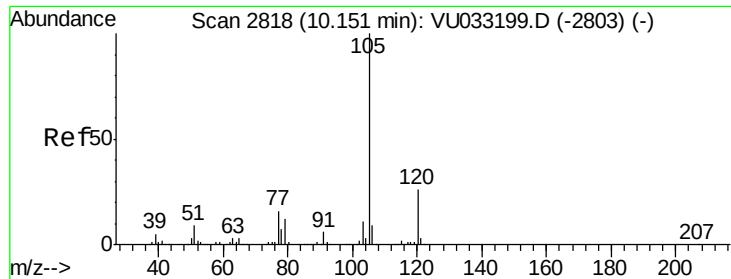


#68  
1,2-Dichlorobenzene-d4  
Concen: 0.971 ug/l  
RT: 11.85 min Scan# 3345  
Delta R.T. 0.00 min  
Lab File: VU033205.D  
Acq: 11 Jul 2019 23:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 84.8  | 0.0   | 131.0 |
| 150     | 192.5 | 0.0   | 634.4 |

Abundance Ion 152.00 (151.70 to 152.70): V  
Ion 115.00 (114.70 to 115.70): V  
Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 1.764 ug/l

RT: 10.15 min Scan# 2818

Delta R.T. 0.00 min

Lab File: VU033205.D

Acq: 11 Jul 2019 23:14

Instrument :

MSVOA\_U

ClientSampleId :

VU0711WBS01

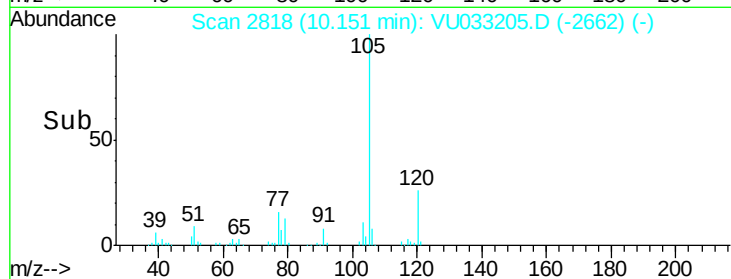
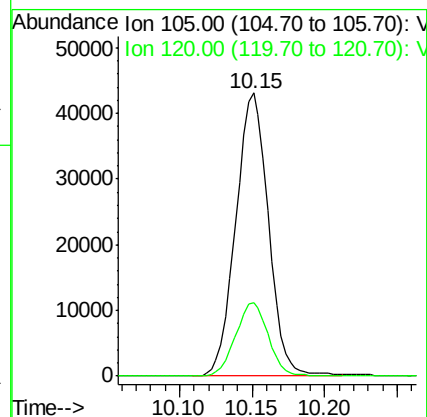
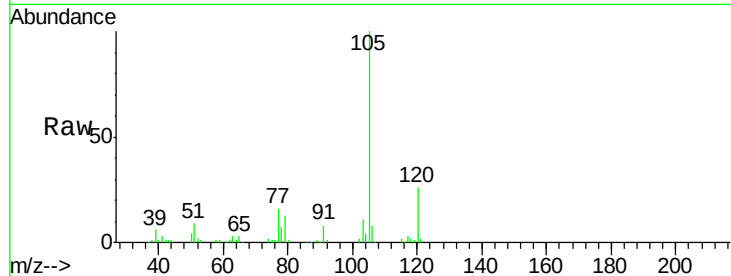
Tot Ion:105 Resp: 67552

Ion Ratio Lower Upper

105 100

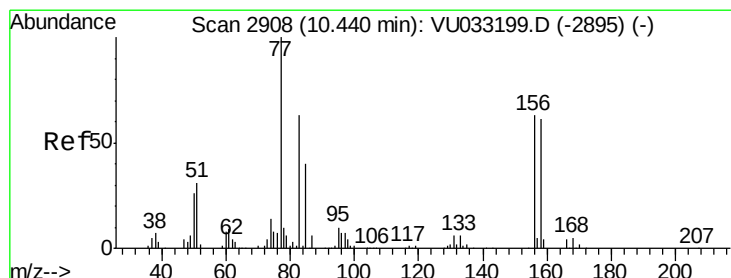
120 25.9 13.2 39.6

Manual Integrations  
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#70

1,1,2,2-Tetrachloroethane

Concen: 1.865 ug/l

RT: 10.44 min Scan# 2909

Delta R.T. 0.00 min

Lab File: VU033205.D

Acq: 11 Jul 2019 23:14

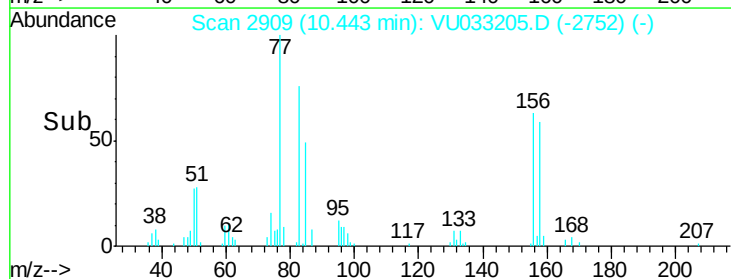
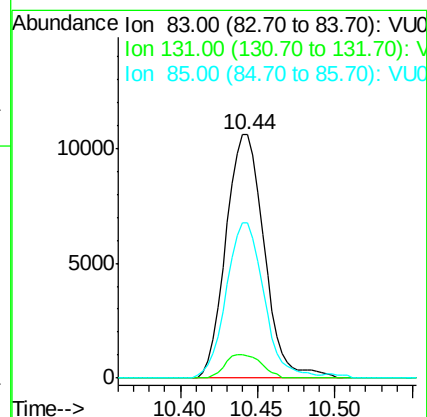
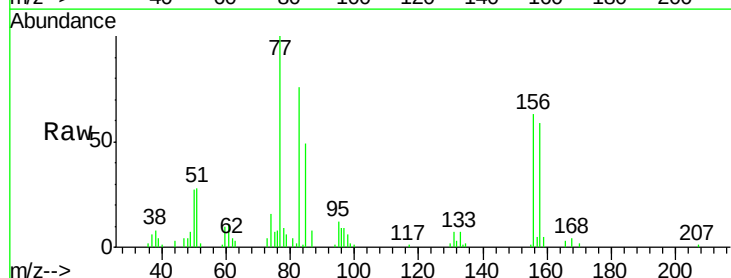
Tgt Ion: 83 Resp: 18235

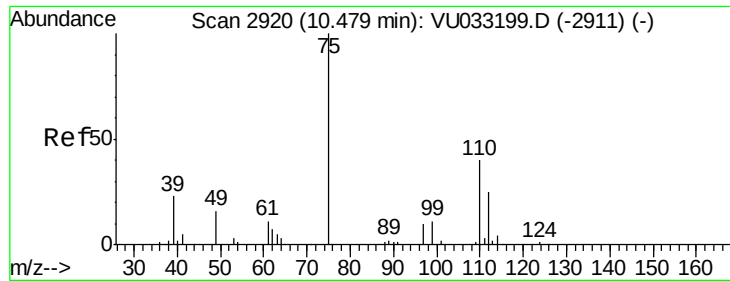
Ion Ratio Lower Upper

83 100

131 9.1 8.0 12.0

85 62.7 50.6 76.0





#71

1,2,3-Trichloropropane

Concen: 1.878 ug/l m

RT: 10.48 min Scan# 2920

Delta R.T. 0.00 min

Lab File: VU033205.D

Acq: 11 Jul 2019 23:14

Instrument :

MSVOA\_U

ClientSampleId :

VU0711WBS01

Tot Ion: 75 Resp: 13762

Ion Ratio Lower Upper

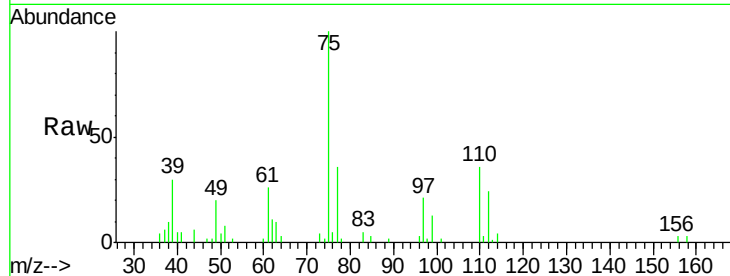
75 100

77 0.0 0.0 15.4

110 33.1 0.0 72.2

97 17.4 0.0 37.2

Manual Integrations  
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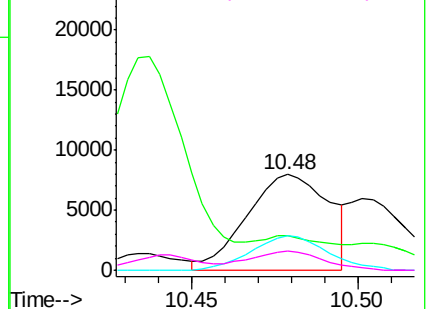


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

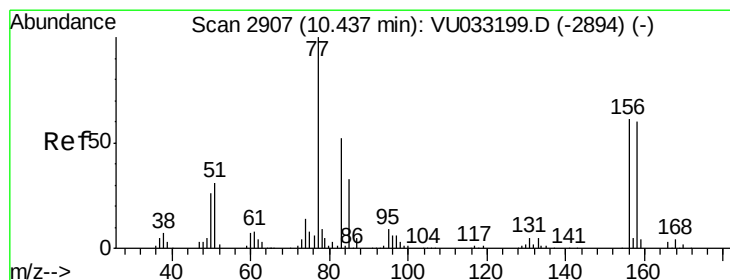
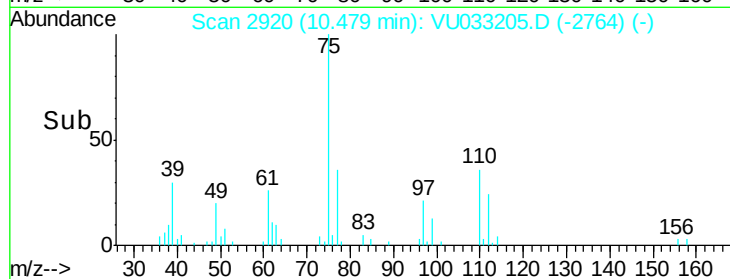
Ion 110.00 (109.70 to 110.70): V

Ion 97.00 (96.70 to 97.70): VU0



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#72

Bromobenzene

Concen: 1.837 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. 0.00 min

Lab File: VU033205.D

Acq: 11 Jul 2019 23:14

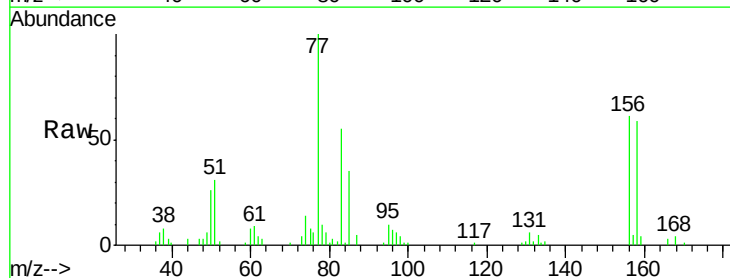
Tgt Ion: 156 Resp: 18245

Ion Ratio Lower Upper

156 100

77 163.6 0.0 326.0

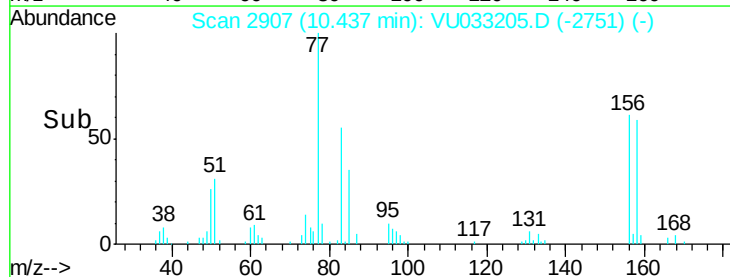
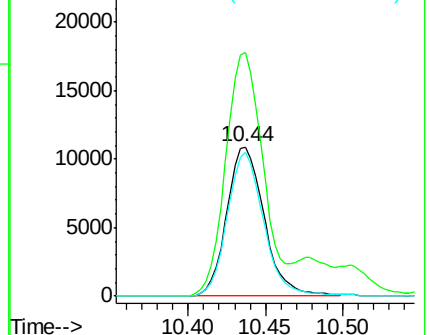
158 94.0 0.0 193.2



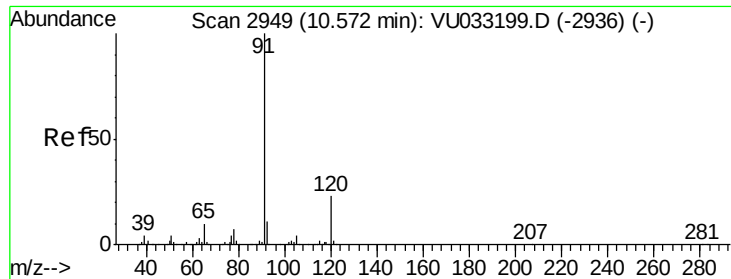
Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V





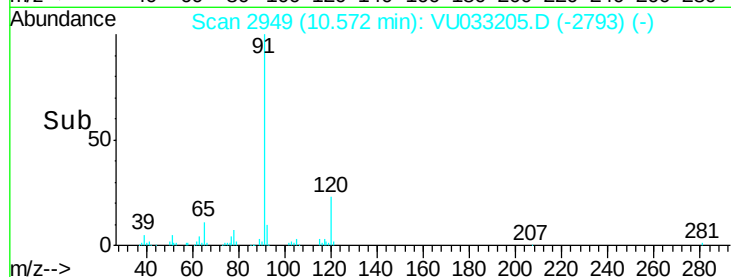
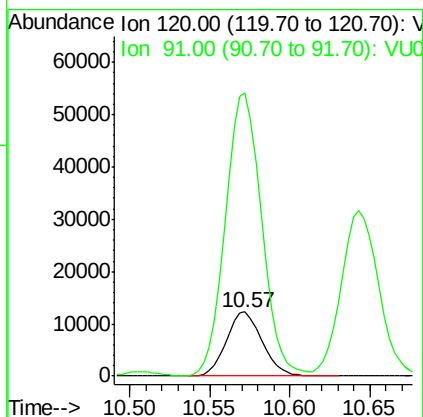
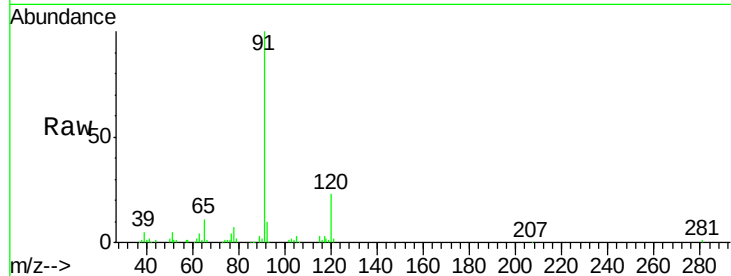


#73  
n-propylbenzene  
Concen: 1.741 ug/l  
RT: 10.57 min Scan# 2949  
Delta R.T. 0.00 min  
Lab File: VU033205.D  
Acq: 11 Jul 2019 23:14

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0711WBS01

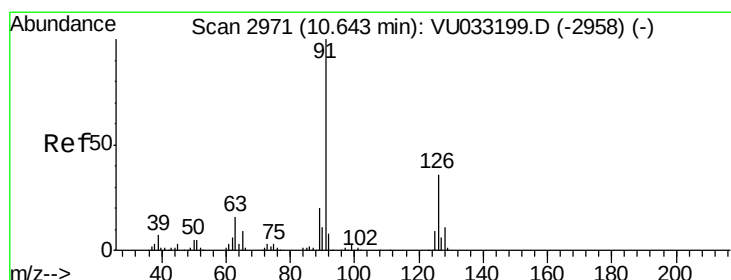
Tot Ion:120 Resp: 18888  
Ion Ratio Lower Upper  
120 100  
91 440.3 349.0 523.4

Manual Integrations  
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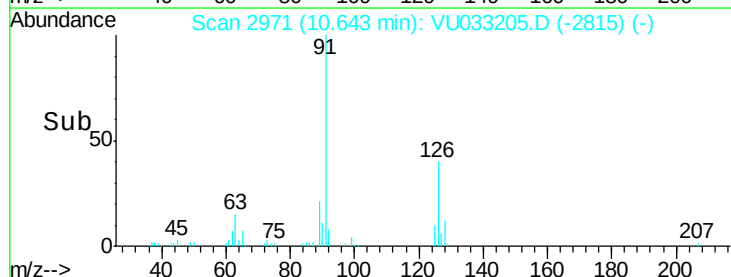
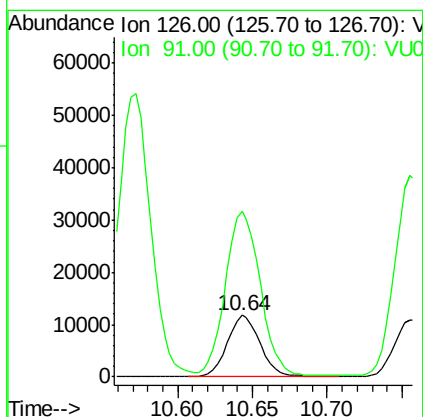
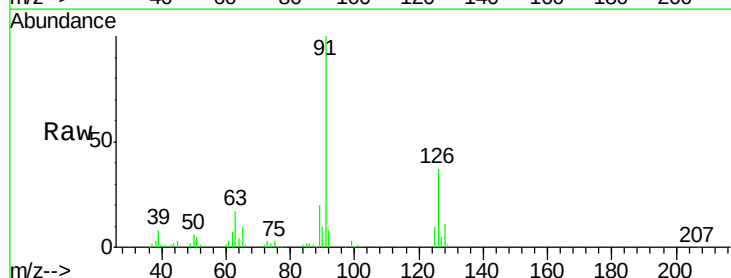
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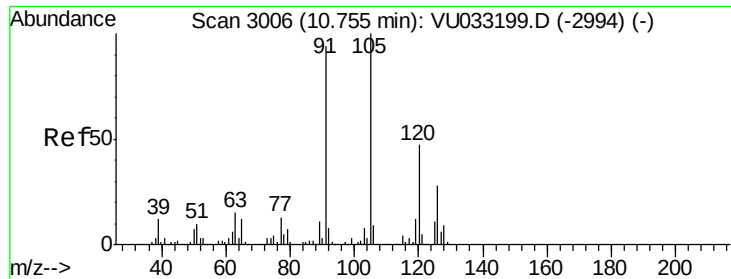
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#74  
2-Chlorotoluene  
Concen: 1.849 ug/l  
RT: 10.64 min Scan# 2971  
Delta R.T. 0.00 min  
Lab File: VU033205.D  
Acq: 11 Jul 2019 23:14

Tgt Ion:126 Resp: 18104  
Ion Ratio Lower Upper  
126 100  
91 278.2 0.0 592.2





#75

1,3,5-Trimethylbenzene

Concen: 1.748 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU033205.D

Acq: 11 Jul 2019 23:14

Instrument :

MSVOA\_U

ClientSampleId :

VU0711WBS01

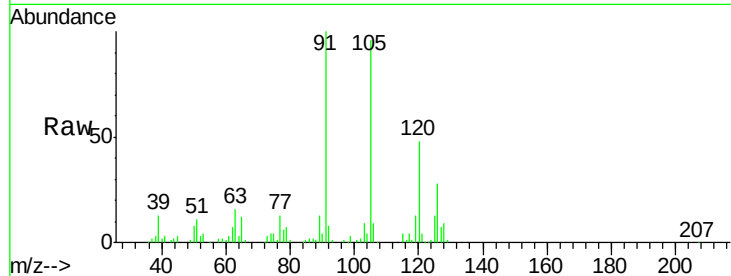
Tot Ion:105 Resp: 57927

Ion Ratio Lower Upper

105 100

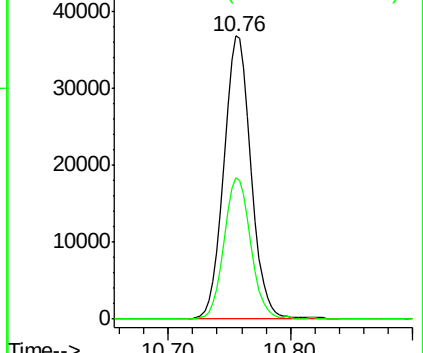
120 48.6 37.8 56.8

Manual Integrations  
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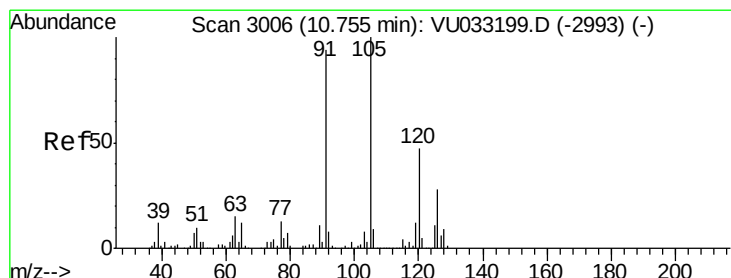
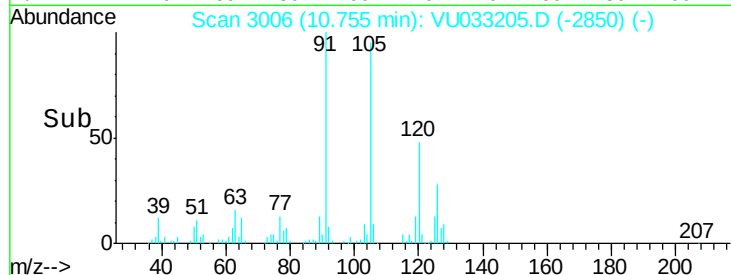
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



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#76

4-Chlorotoluene

Concen: 1.786 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU033205.D

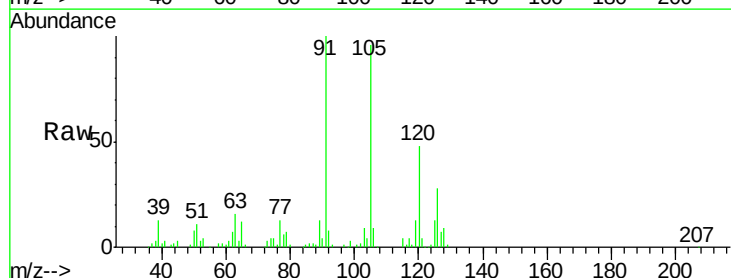
Acq: 11 Jul 2019 23:14

Tgt Ion:126 Resp: 17855

Ion Ratio Lower Upper

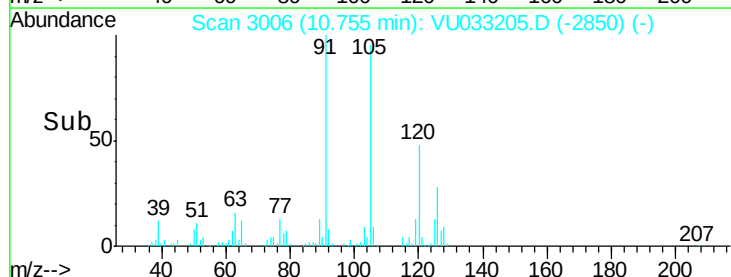
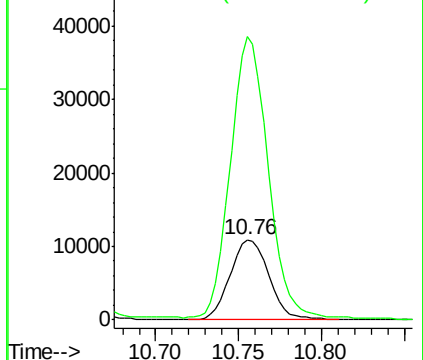
126 100

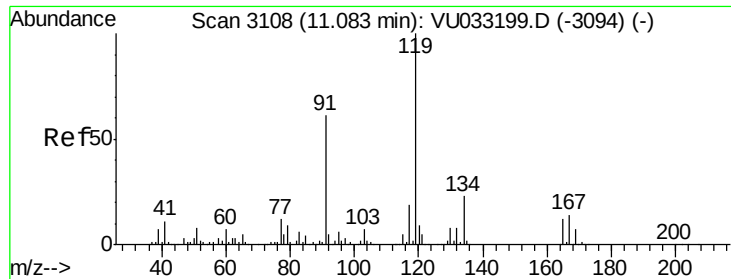
91 342.6 0.0 663.4



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0



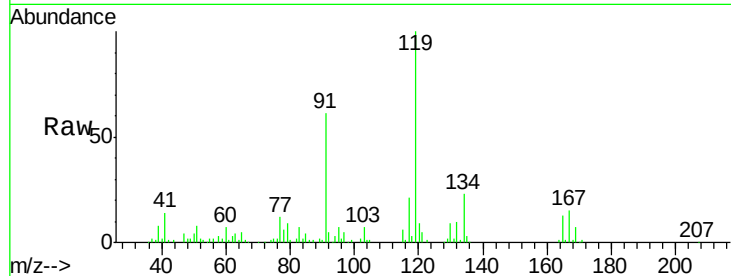


#77  
 tert-Butylbenzene  
 Concen: 1.739 ug/l  
 RT: 11.08 min Scan# 3108  
 Delta R.T. 0.00 min  
 Lab File: VU033205.D  
 Acq: 11 Jul 2019 23:14

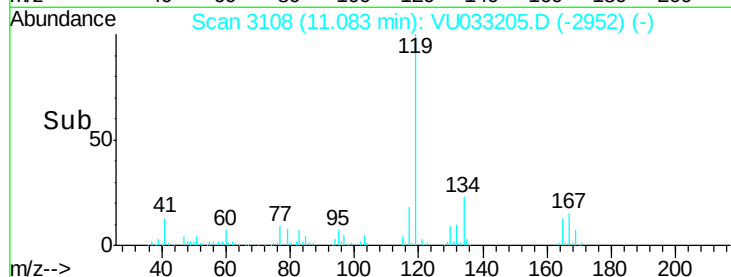
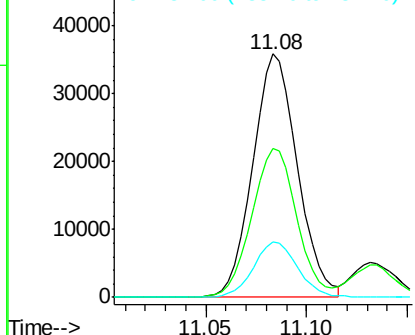
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0711WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 61.6  | 29.8  | 89.5  |
| 134     | 22.5  | 18.2  | 27.4  |

Manual Integrations  
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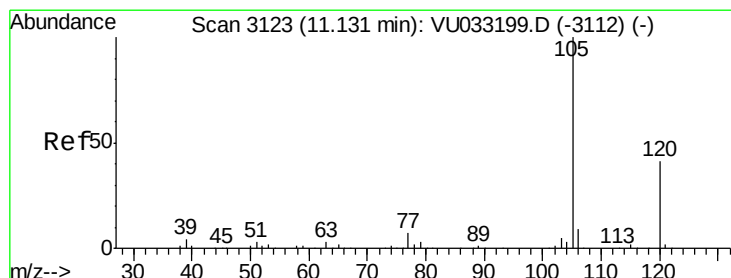


Abundance Ion 119.00 (118.70 to 119.70): V  
 Ion 91.00 (90.70 to 91.70): V  
 Ion 134.00 (133.70 to 134.70): V



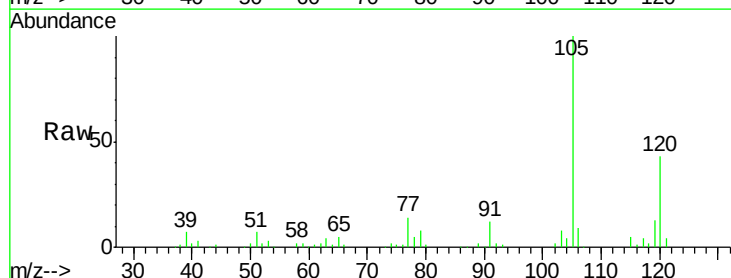
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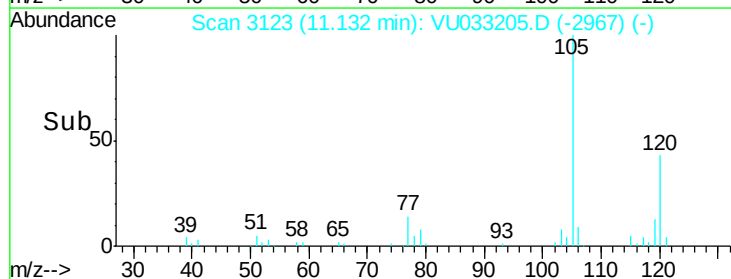
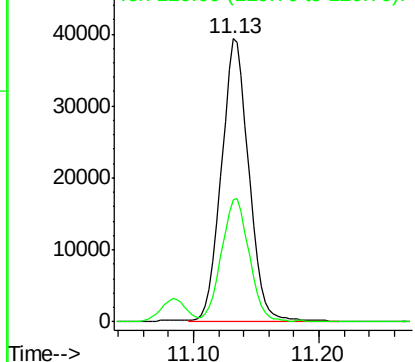


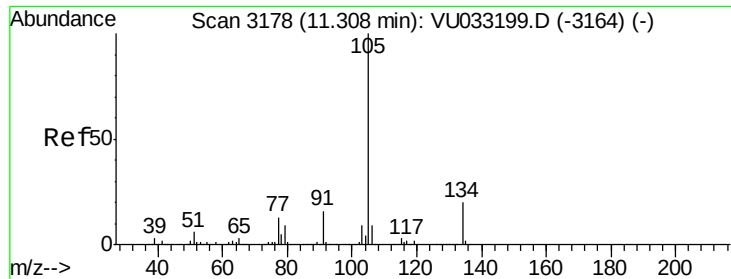
#78  
 1,2,4-Trimethylbenzene  
 Concen: 1.765 ug/l  
 RT: 11.13 min Scan# 3123  
 Delta R.T. 0.00 min  
 Lab File: VU033205.D  
 Acq: 11 Jul 2019 23:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 43.2  | 22.6  | 67.8  |



Abundance Ion 105.00 (104.70 to 105.70): V  
 Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 1.743 ug/l

RT: 11.31 min Scan# 3178

Delta R.T. 0.00 min

Lab File: VU033205.D

Acq: 11 Jul 2019 23:14

Instrument :

MSVOA\_U

ClientSampleId :

VU0711WBS01

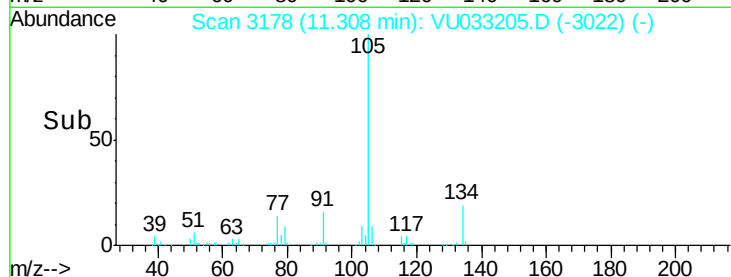
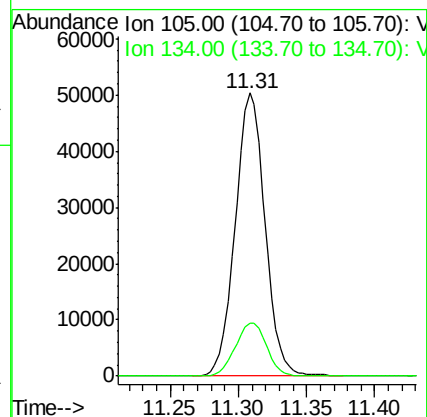
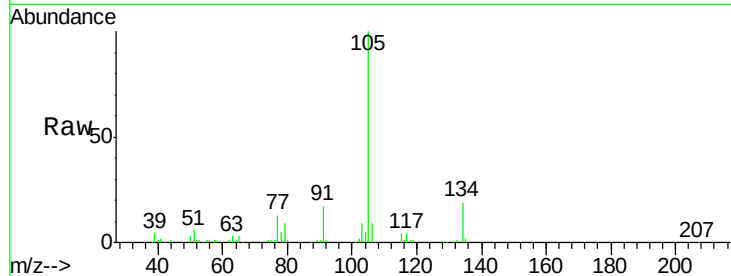
Tot Ion:105 Resp: 76363

Ion Ratio Lower Upper

105 100

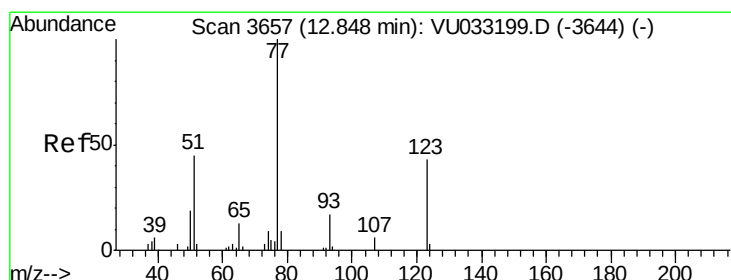
134 19.6 15.8 23.8

Manual Integrations  
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#80

Nitrobenzene

Concen: 7.764 ug/l m

RT: 12.86 min Scan# 3660

Delta R.T. 0.01 min

Lab File: VU033205.D

Acq: 11 Jul 2019 23:14

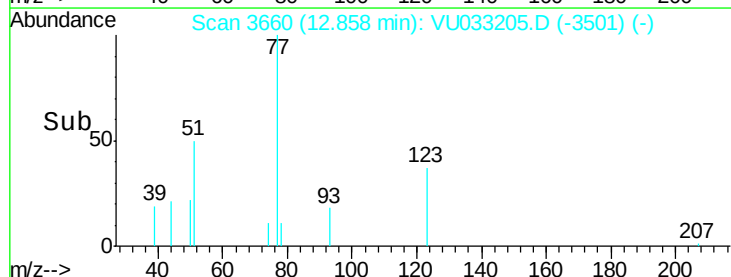
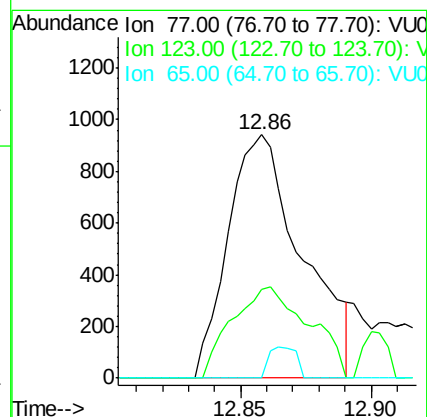
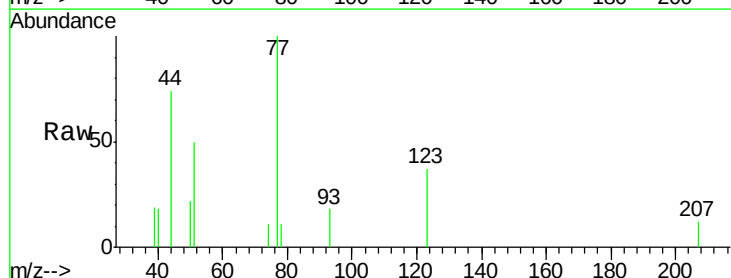
Tgt Ion: 77 Resp: 1865

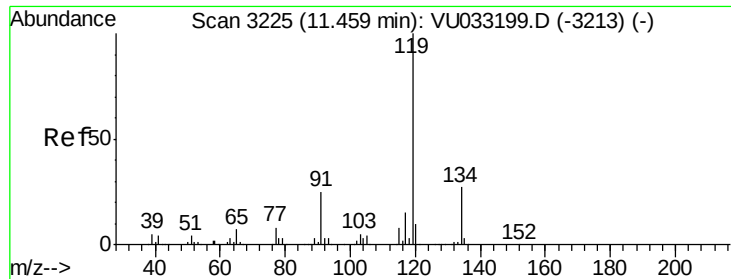
Ion Ratio Lower Upper

77 100

123 38.8 20.9 74.1

65 4.7 10.7 13.7#



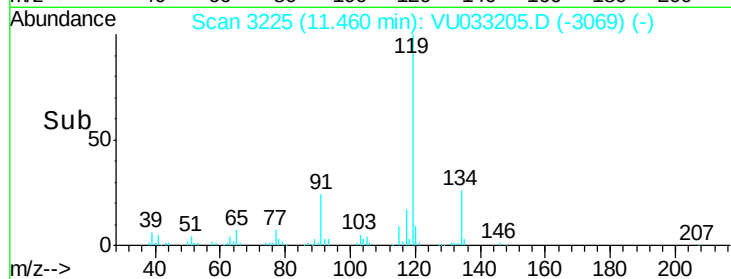
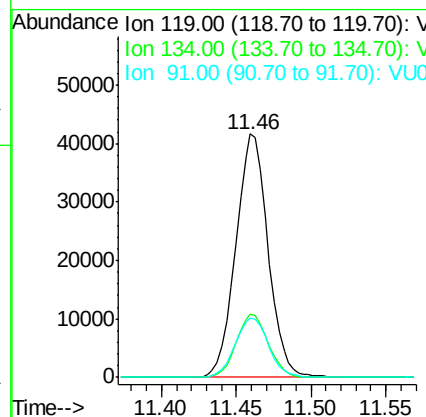
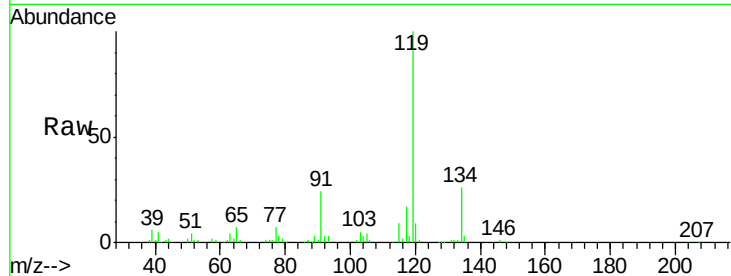


#81  
 p-Isopropyltoluene  
 Concen: 1.747 ug/l  
 RT: 11.46 min Scan# 3225  
 Delta R.T. 0.00 min  
 Lab File: VU033205.D  
 Acq: 11 Jul 2019 23:14

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0711WBS01

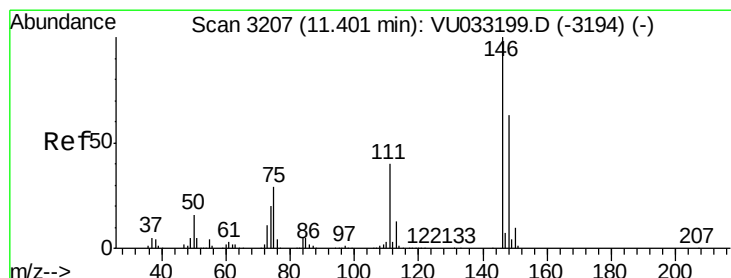
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 25.9  | 21.1  | 31.7  |
| 91      | 25.3  | 19.7  | 29.5  |

Manual Integrations  
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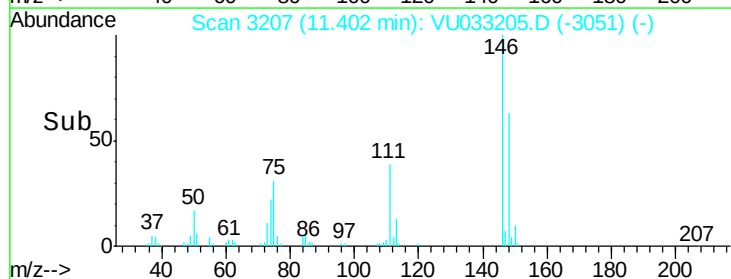
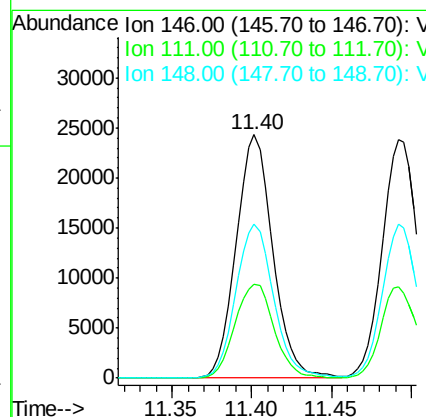
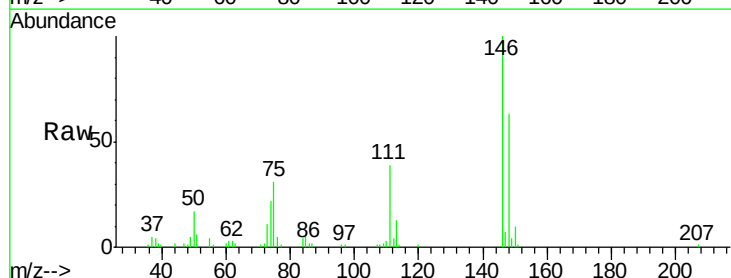
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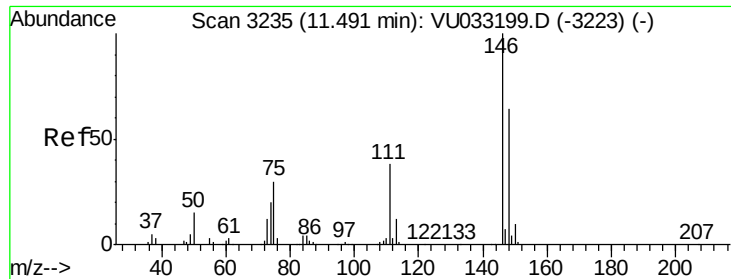
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#82  
 1,3-Dichlorobenzene  
 Concen: 1.852 ug/l  
 RT: 11.40 min Scan# 3207  
 Delta R.T. 0.00 min  
 Lab File: VU033205.D  
 Acq: 11 Jul 2019 23:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.1  | 32.2  | 48.4  |
| 148     | 65.0  | 50.8  | 76.2  |



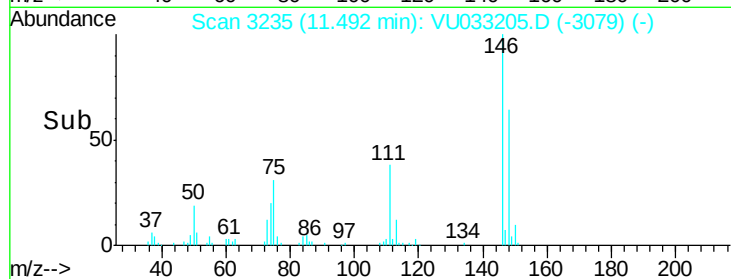
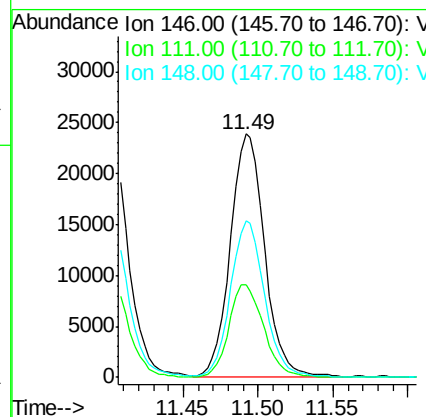
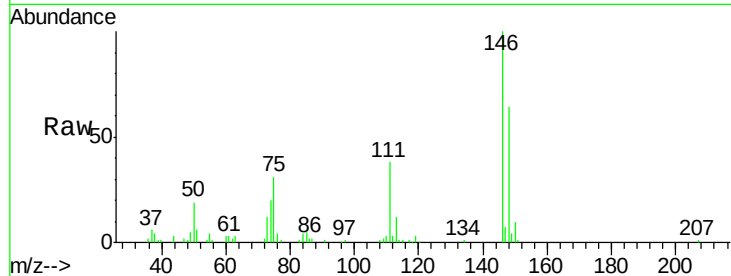


#83  
 1,4-Dichlorobenzene  
 Concen: 1.854 ug/l  
 RT: 11.49 min Scan# 3235  
 Delta R.T. 0.00 min  
 Lab File: VU033205.D  
 Acq: 11 Jul 2019 23:14

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0711WBS01

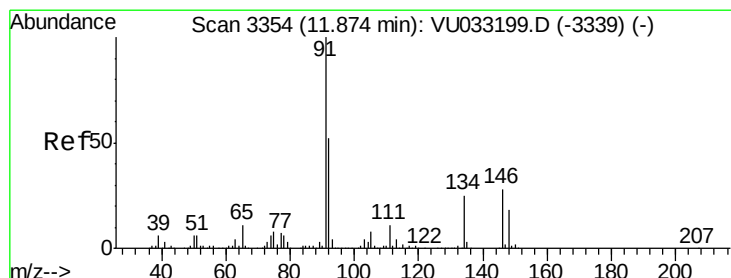
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.4  | 30.8  | 46.2  |
| 148     | 64.0  | 50.6  | 76.0  |

Manual Integrations  
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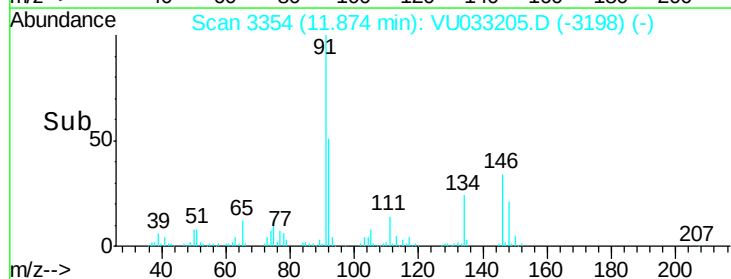
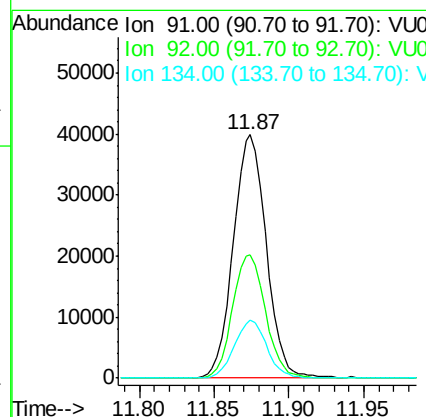
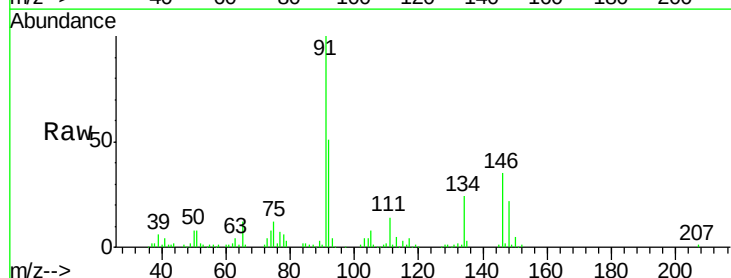
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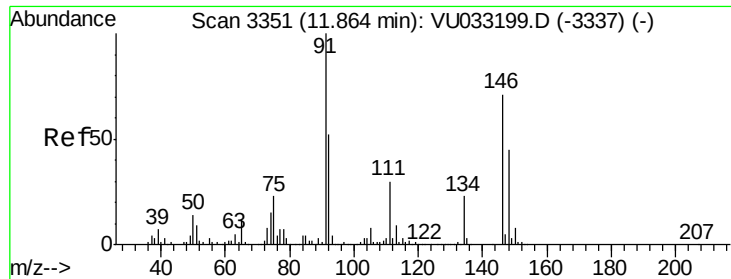
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#84  
 n-Butylbenzene  
 Concen: 1.726 ug/l  
 RT: 11.87 min Scan# 3354  
 Delta R.T. 0.00 min  
 Lab File: VU033205.D  
 Acq: 11 Jul 2019 23:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 50.5  | 41.5  | 62.3  |
| 134     | 23.5  | 19.6  | 29.4  |



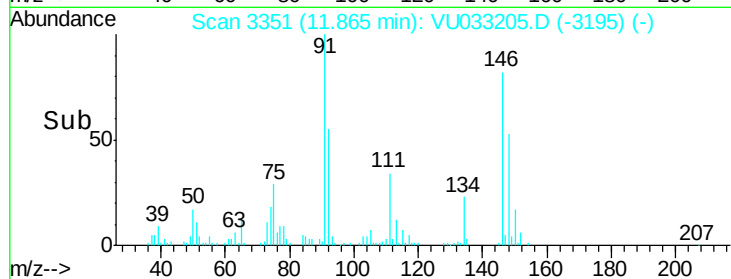
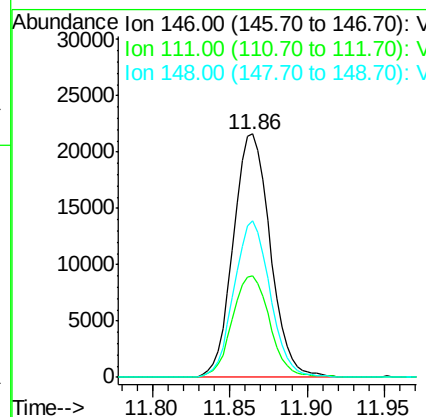
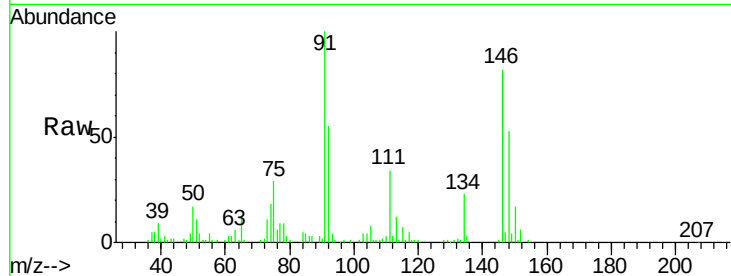


#85  
 1,2-Dichlorobenzene  
 Concen: 1.831 ug/l  
 RT: 11.86 min Scan# 3351  
 Delta R.T. 0.00 min  
 Lab File: VU033205.D  
 Acq: 11 Jul 2019 23:14

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0711WBS01

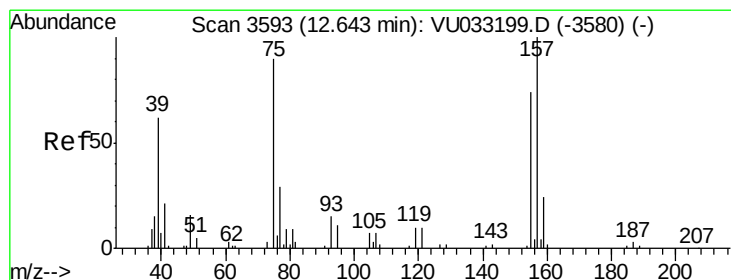
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.4  | 21.3  | 63.7  |
| 148     | 62.9  | 32.0  | 96.0  |

Manual Integrations  
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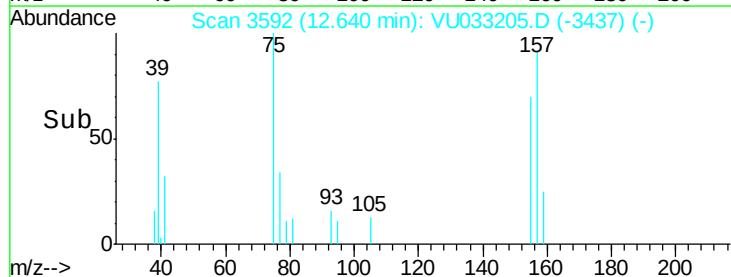
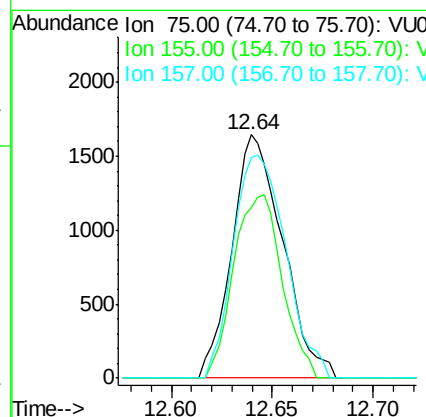
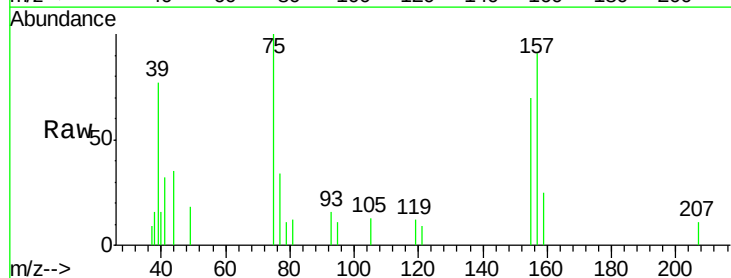
MMDadoda

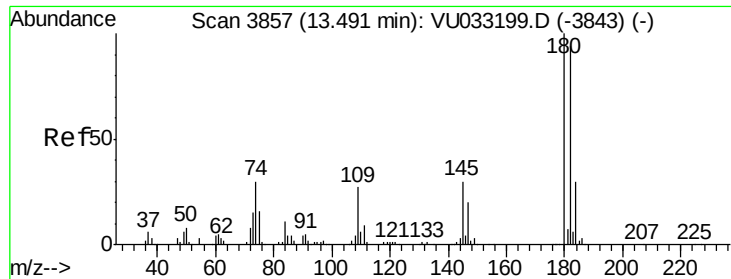
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#86  
 1,2-Dibromo-3-Chloropropane  
 Concen: 1.868 ug/l  
 RT: 12.64 min Scan# 3592  
 Delta R.T. -0.00 min  
 Lab File: VU033205.D  
 Acq: 11 Jul 2019 23:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 71.8  | 60.6  | 90.8  |
| 157     | 95.3  | 82.5  | 123.7 |



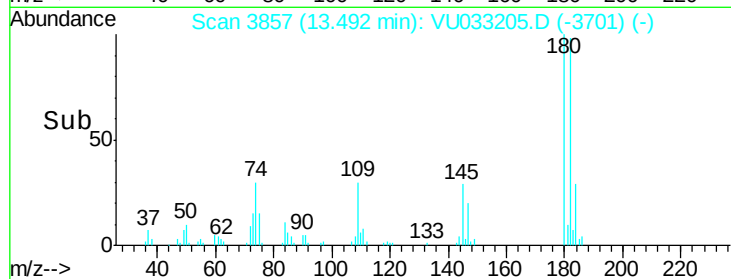
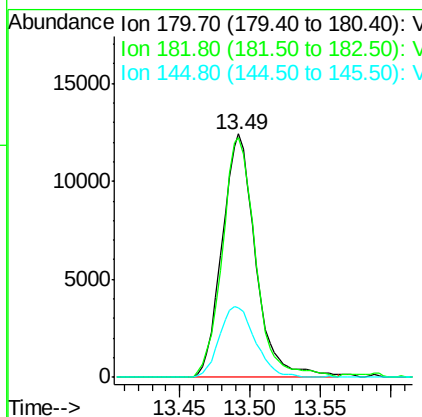
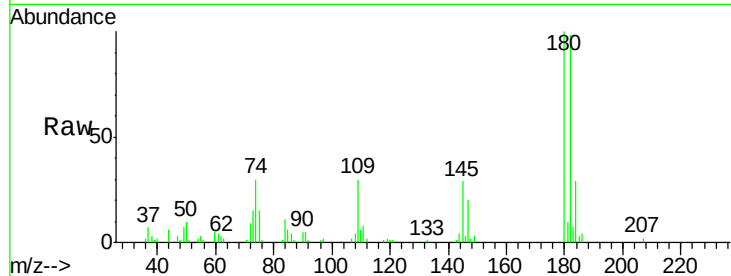


#87  
 1,2,4-Trichlorobenzene  
 Concen: 1.706 ug/l  
 RT: 13.49 min Scan# 3857  
 Delta R.T. 0.00 min  
 Lab File: VU033205.D  
 Acq: 11 Jul 2019 23:14

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0711WBS01

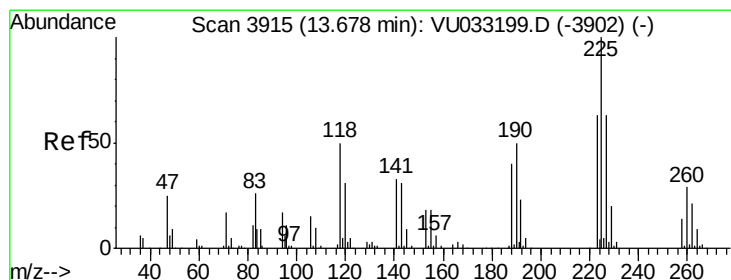
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 97.5  | 75.4  | 113.2 |
| 145     | 31.0  | 24.5  | 36.7  |

Manual Integrations  
 APPROVED



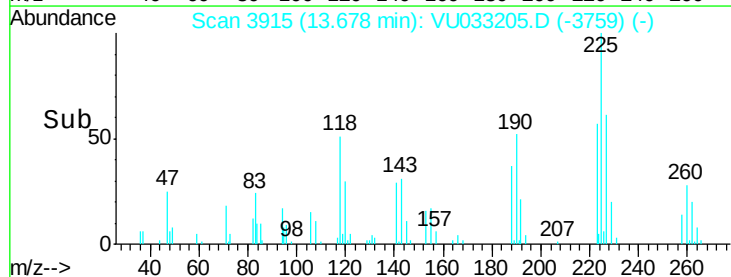
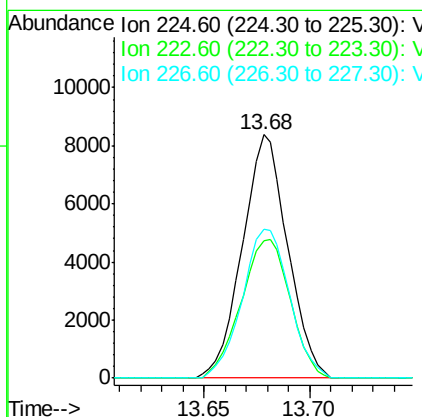
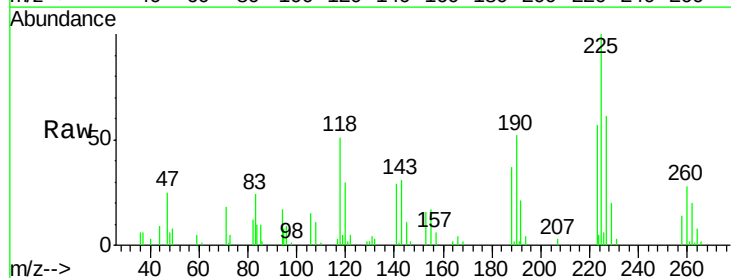
MMDadoda

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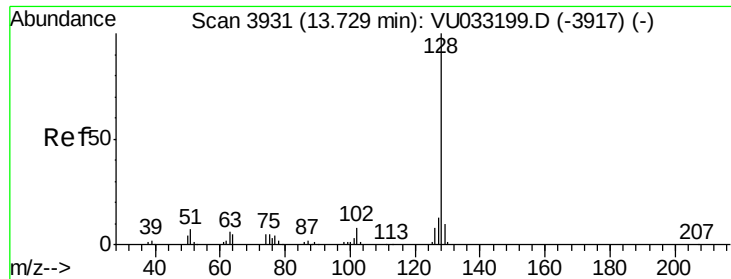


#88  
 Hexachlorobutadiene  
 Concen: 1.793 ug/l  
 RT: 13.68 min Scan# 3915  
 Delta R.T. 0.00 min  
 Lab File: VU033205.D  
 Acq: 11 Jul 2019 23:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 61.7  | 51.1  | 76.7  |
| 227     | 63.7  | 51.2  | 76.8  |





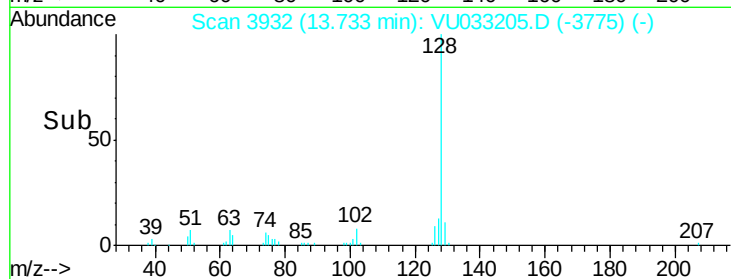
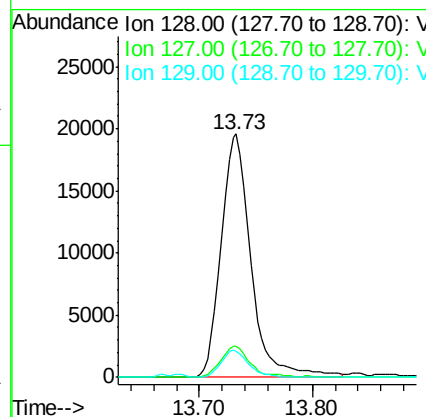
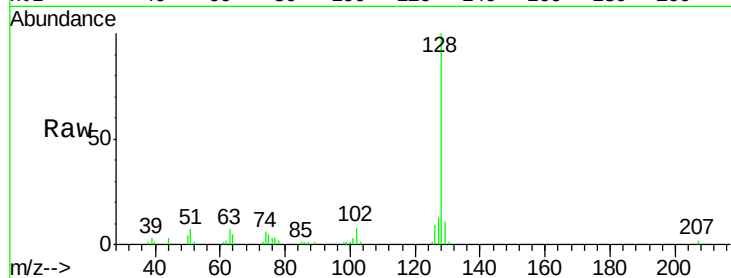


#89  
Naphthalene  
Concen: 1.781 ug/l  
RT: 13.73 min Scan# 3932  
Delta R.T. 0.00 min  
Lab File: VU033205.D  
Acq: 11 Jul 2019 23:14

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0711WBS01

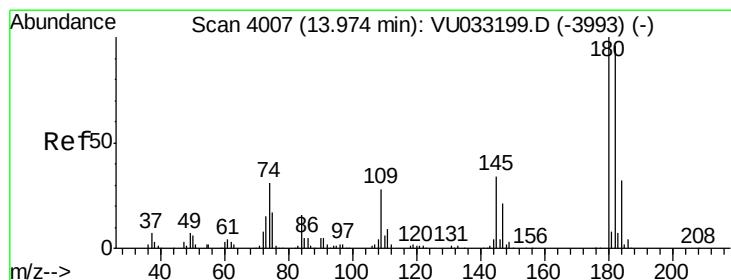
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.6  | 10.4  | 15.6  |
| 129     | 10.1  | 8.6   | 12.8  |

Manual Integrations  
APPROVED



MMDadoda

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#90  
1,2,3-Trichlorobenzene  
Concen: 1.773 ug/l  
RT: 13.97 min Scan# 4007  
Delta R.T. 0.00 min  
Lab File: VU033205.D  
Acq: 11 Jul 2019 23:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.1  | 76.2  | 114.4 |
| 145     | 30.6  | 26.6  | 40.0  |

