

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122218\  
 Data File : VU028930.D  
 Acq On : 22 Dec 2018 21:27  
 Operator : MD/SY  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 12/24/2018 11:49:14 AM

Quant Time: Dec 24 07:41:19 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U120618W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 07 00:39:42 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.98  | 168  | 173216   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.88  | 114  | 283692   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.09  | 117  | 260089   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 130270   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 5.30   | 65  | 103521   | 39.16 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 78.32%  |      |
| 35) Dibromofluoromethane  | 4.88   | 113 | 90673    | 50.79 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.58% |      |
| 50) Toluene-d8            | 7.56   | 98  | 350591   | 49.64 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.28%  |      |
| 62) 4-Bromofluorobenzene  | 10.30  | 95  | 131592   | 49.85 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.70%  |      |

## Target Compounds

|                               |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.21 | 85  | 91950   | 39.604  | ug/l   | 98     |
| 3) Chloromethane              | 1.33 | 50  | 128572  | 30.121  | ug/l   | 98     |
| 4) Vinyl Chloride             | 1.40 | 62  | 127056  | 41.247  | ug/l   | 99     |
| 5) Bromomethane               | 1.60 | 94  | 65559   | 52.834  | ug/l   | 98     |
| 6) Chloroethane               | 1.68 | 64  | 73596   | 42.202  | ug/l   | 99     |
| 7) Trichlorofluoromethane     | 1.88 | 101 | 142185  | 43.872  | ug/l   | 99     |
| 8) Diethyl Ether              | 2.10 | 74  | 69666   | 45.945  | ug/l   | 72     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.28 | 101 | 89627   | 46.240  | ug/l   | 93     |
| 10) Methyl Iodide             | 2.40 | 142 | 100309  | 65.955  | ug/l   | 94     |
| 11) Tert butyl alcohol        | 2.83 | 59  | 125971  | 213.896 | ug/l   | 99     |
| 12) 1,1-Dichloroethene        | 2.28 | 96  | 91916   | 47.661  | ug/l   | 83     |
| 13) Acrolein                  | 2.19 | 56  | 93368   | 198.869 | ug/l   | 98     |
| 14) Allyl chloride            | 2.59 | 41  | 157998  | 34.631  | ug/l   | 91     |
| 15) Acrylonitrile             | 2.93 | 53  | 316464  | 193.547 | ug/l   | 98     |
| 16) Acetone                   | 2.32 | 43  | 229841  | 133.246 | ug/l   | 91     |
| 17) Carbon Disulfide          | 2.47 | 76  | 278265  | 40.052  | ug/l   | 100    |
| 18) Methyl Acetate            | 2.61 | 43  | 161389  | 36.093  | ug/l # | 87     |
| 19) Methyl tert-butyl Ether   | 3.00 | 73  | 319810  | 43.744  | ug/l   | 95     |
| 20) Methylene Chloride        | 2.70 | 84  | 108949  | 42.846  | ug/l # | 80     |
| 21) trans-1,2-Dichloroethene  | 2.98 | 96  | 98064   | 45.162  | ug/l   | 87     |
| 22) Diisopropyl ether         | 3.57 | 45  | 307592  | 34.669  | ug/l # | 92     |
| 23) Vinyl Acetate             | 3.52 | 43  | 1233362 | 168.534 | ug/l # | 92     |
| 24) 1,1-Dichloroethane        | 3.44 | 63  | 183642  | 39.542  | ug/l   | 97     |
| 25) 2-Butanone                | 4.26 | 43  | 381580  | 161.872 | ug/l # | 88     |
| 26) 2,2-Dichloropropane       | 4.22 | 77  | 136532  | 37.102  | ug/l   | 94     |
| 27) cis-1,2-Dichloroethene    | 4.22 | 96  | 113899  | 46.344  | ug/l   | 86     |
| 28) Bromochloromethane        | 4.55 | 49  | 71781   | 33.999  | ug/l # | 66     |
| 29) Tetrahydrofuran           | 4.64 | 42  | 256351  | 169.326 | ug/l # | 80     |
| 30) Chloroform                | 4.67 | 83  | 177754  | 43.914  | ug/l   | 98     |
| 31) Cyclohexane               | 4.99 | 56  | 171273  | 37.492  | ug/l   | 89     |
| 32) 1,1,1-Trichloroethane     | 4.91 | 97  | 146405  | 43.550  | ug/l   | 94     |
| 36) 1,1-Dichloropropene       | 5.13 | 75  | 137329  | 44.237  | ug/l   | 95     |
| 37) Ethyl Acetate             | 4.38 | 43  | 147390  | 36.727  | ug/l # | 92     |
| 38) Carbon Tetrachloride      | 5.13 | 117 | 117071  | 46.788  | ug/l   | 99     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleID :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 12/24/2018 11:49:14 AM

Quant Time: Dec 24 07:41:19 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U120618W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 07 00:39:42 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 6.41  | 83   | 169480   | 44.749   | ug/l   | 88       |
| 40) Benzene                    | 5.39  | 78   | 432526   | 47.306   | ug/l   | 98       |
| 41) Methacrylonitrile          | 4.54  | 41   | 80927    | 36.823   | ug/l # | 88       |
| 42) 1,2-Dichloroethane         | 5.40  | 62   | 133432   | 41.692   | ug/l   | 96       |
| 43) Isopropyl Acetate          | 5.55  | 43   | 237390   | 37.399   | ug/l # | 91       |
| 44) Trichloroethene            | 6.18  | 130  | 108994   | 53.613   | ug/l   | 90       |
| 45) 1,2-Dichloropropane        | 6.43  | 63   | 113605   | 44.185   | ug/l   | 96       |
| 46) Dibromomethane             | 6.56  | 93   | 73513    | 48.189   | ug/l   | 91       |
| 47) Bromodichloromethane       | 6.76  | 83   | 133875   | 45.097   | ug/l   | 99       |
| 48) Methyl methacrylate        | 6.62  | 41   | 117607   | 37.257   | ug/l # | 83       |
| 49) 1,4-Dioxane                | 6.61  | 88   | 56483    | 1133.242 | ug/l # | 87       |
| 51) 4-Methyl-2-Pentanone       | 7.46  | 43   | 743182   | 185.637  | ug/l   | 89       |
| 52) Toluene                    | 7.64  | 92   | 272801   | 50.698   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 7.88  | 75   | 159570   | 45.133   | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene    | 7.27  | 75   | 174122   | 45.394   | ug/l # | 88       |
| 55) 1,1,2-Trichloroethane      | 8.06  | 97   | 107218   | 50.407   | ug/l   | 98       |
| 56) Ethyl methacrylate         | 8.02  | 69   | 172679   | 47.407   | ug/l # | 83       |
| 57) 1,3-Dichloropropane        | 8.24  | 76   | 182007   | 46.096   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 7.12  | 63   | 369980   | 198.309  | ug/l # | 90       |
| 59) 2-Hexanone                 | 8.36  | 43   | 574177   | 180.949  | ug/l   | 86       |
| 60) Dibromochloromethane       | 8.48  | 129  | 101317   | 48.652   | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 8.58  | 107  | 116404   | 52.186   | ug/l   | 99       |
| 64) Tetrachloroethene          | 8.22  | 164  | 96941    | 55.878   | ug/l   | 98       |
| 65) Chlorobenzene              | 9.12  | 112  | 291820   | 52.654   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 9.21  | 131  | 95460    | 53.938   | ug/l   | 100      |
| 67) Ethyl Benzene              | 9.25  | 91   | 512534   | 50.306   | ug/l   | 98       |
| 68) m/p-Xylenes                | 9.37  | 106  | 396010   | 106.819  | ug/l   | 95       |
| 69) o-Xylene                   | 9.78  | 106  | 192882   | 53.537   | ug/l   | 93       |
| 70) Styrene                    | 9.79  | 104  | 317400   | 53.235   | ug/l   | 96       |
| 71) Bromoform                  | 9.96  | 173  | 80877    | 53.719   | ug/l # | 98       |
| 73) Isopropylbenzene           | 10.16 | 105  | 502280   | 50.248   | ug/l   | 99       |
| 74) N-amyl acetate             | 10.01 | 43   | 211803   | 36.733   | ug/l # | 88       |
| 75) 1,1,2,2-Tetrachloroethane  | 10.46 | 83   | 183360   | 47.751   | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane     | 10.49 | 75   | 157671m  | 47.399   | ug/l   |          |
| 77) Bromobenzene               | 10.45 | 156  | 129571   | 55.424   | ug/l   | 86       |
| 78) n-propylbenzene            | 10.58 | 91   | 592676   | 47.715   | ug/l   | 97       |
| 79) 2-Chlorotoluene            | 10.66 | 91   | 349421   | 48.837   | ug/l   | 95       |
| 80) 1,3,5-Trimethylbenzene     | 10.77 | 105  | 424471   | 51.299   | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-buten | 10.51 | 75   | 66128m   | 48.889   | ug/l   |          |
| 82) 4-Chlorotoluene            | 10.77 | 91   | 397403   | 46.871   | ug/l   | 95       |
| 83) tert-Butylbenzene          | 11.10 | 119  | 408105   | 51.170   | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene     | 11.15 | 105  | 445091   | 52.195   | ug/l   | 96       |
| 85) sec-Butylbenzene           | 11.32 | 105  | 498764   | 48.680   | ug/l   | 97       |
| 86) p-Isopropyltoluene         | 11.48 | 119  | 431486   | 49.576   | ug/l   | 96       |
| 87) 1,3-Dichlorobenzene        | 11.41 | 146  | 232165   | 52.592   | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 11.50 | 146  | 230151   | 50.392   | ug/l   | 97       |
| 89) n-Butylbenzene             | 11.89 | 91   | 387355   | 43.976   | ug/l   | 97       |
| 90) Hexachloroethane           | 12.14 | 117  | 60521    | 46.006   | ug/l   | 89       |
| 91) 1,2-Dichlorobenzene        | 11.88 | 146  | 232773   | 52.715   | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.66 | 75   | 37936    | 45.633   | ug/l   | 80       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU122218\  
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Acq On : 22 Dec 2018 21:27  
Operator : MD/SY  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

MMDadoda  
12/24/2018 11:49:14 AM

Quant Time: Dec 24 07:41:19 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U120618W.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 07 00:39:42 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.50 | 180  | 155568   | 51.249 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.69 | 225  | 66015    | 45.640 | ug/l  | 96       |
| 95) Naphthalene            | 13.74 | 128  | 560802   | 52.926 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 13.99 | 180  | 158317   | 52.418 | ug/l  | 100      |

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

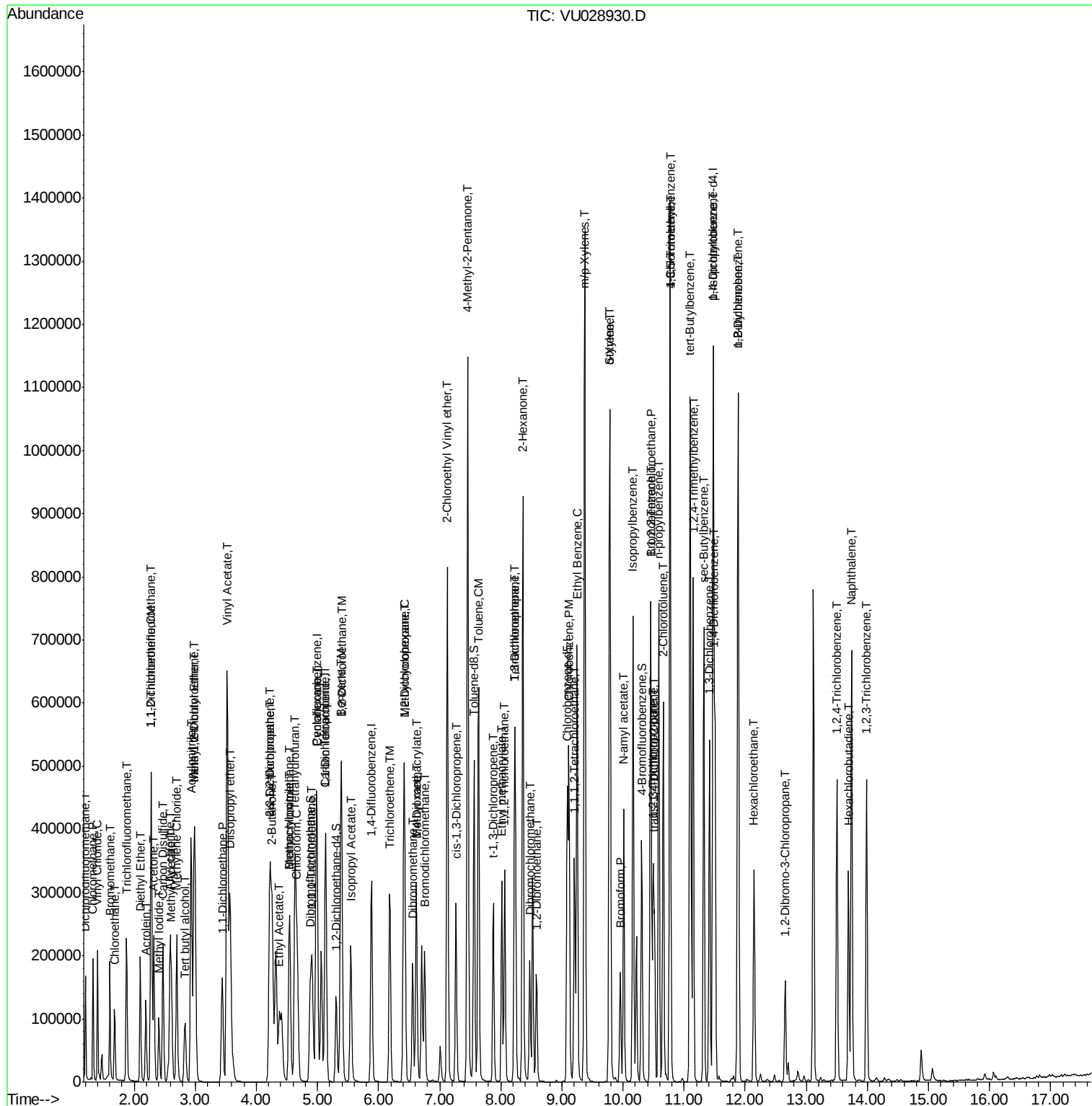
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 Data File : VU028930.D  
 Acq On : 22 Dec 2018 21:27  
 Operator : MD/SY  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 23 Sample Multiplier: 1

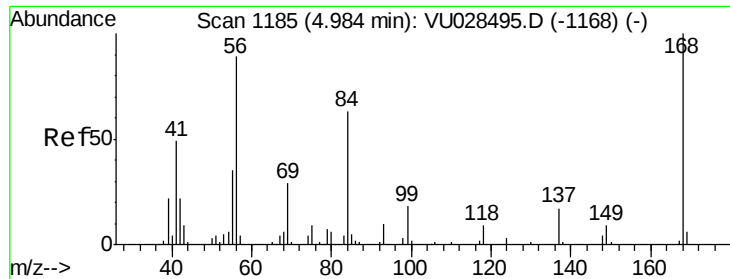
Instrument :  
 MSVOA\_U  
 ClientSampleID :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 12/24/2018 11:49:14 AM

Quant Time: Dec 24 07:41:19 2018  
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 Quant Title : SW846 8260  
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 173216

Ion Ratio Lower Upper

168 100

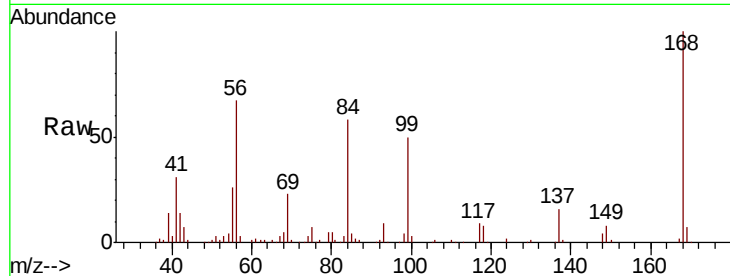
99 50.2 46.6 69.8

Manual Integrations

APPROVED

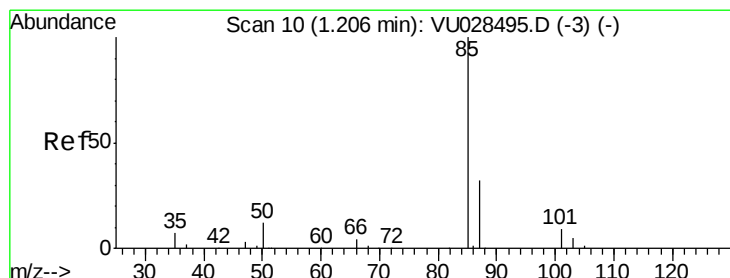
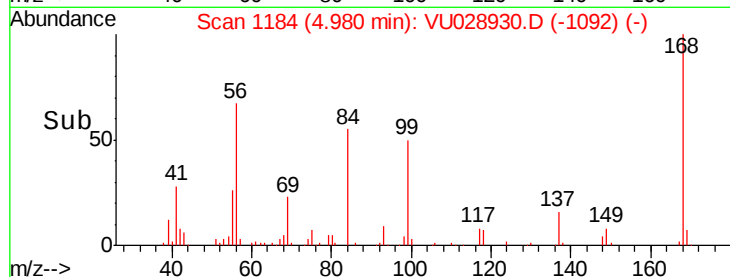
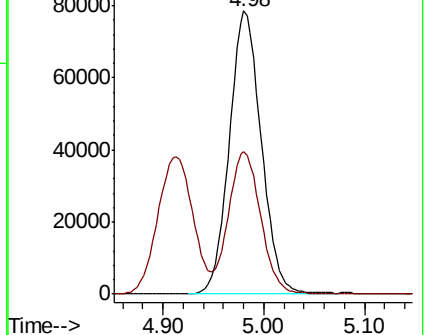
MMDadoda

12/24/2018 11:49:14 AM



Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)



#2

Dichlorodifluoromethane

Concen: 39.604 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028930.D

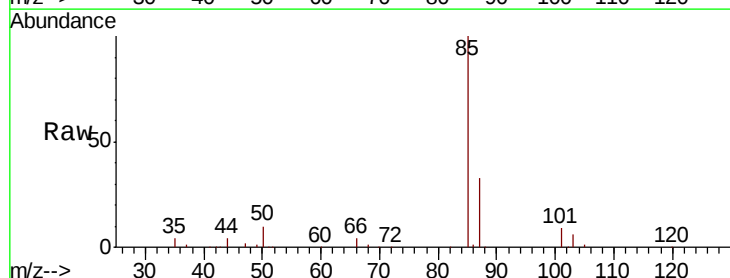
Acq: 22 Dec 2018 21:27

Tgt Ion: 85 Resp: 91950

Ion Ratio Lower Upper

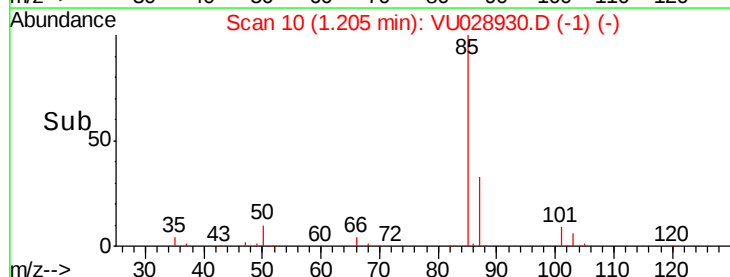
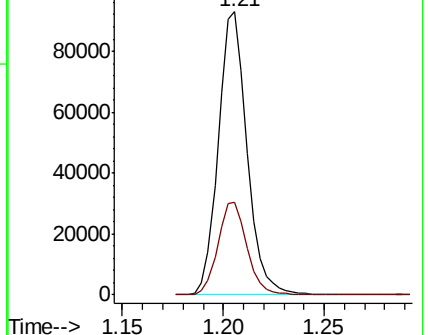
85 100

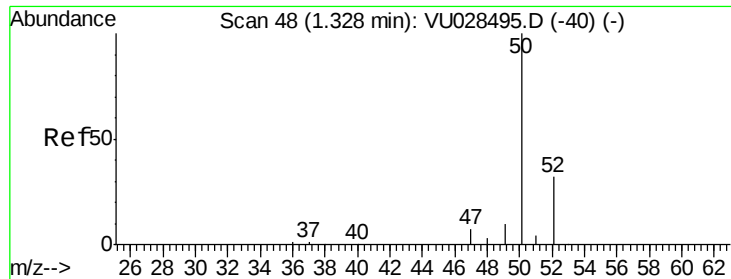
87 32.8 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VU028495.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028495.D (-3) (-)





#3

Chloromethane

Concen: 30.121 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 128572

Ion Ratio Lower Upper

50 100

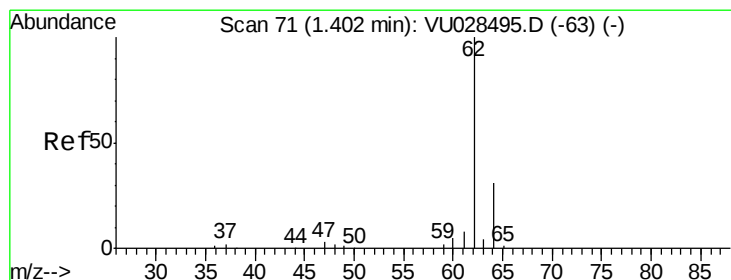
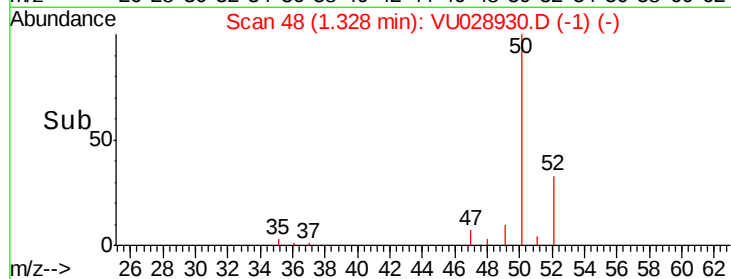
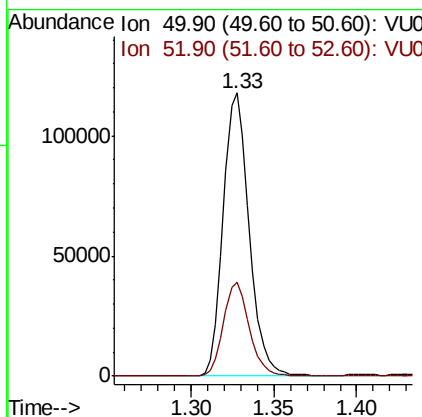
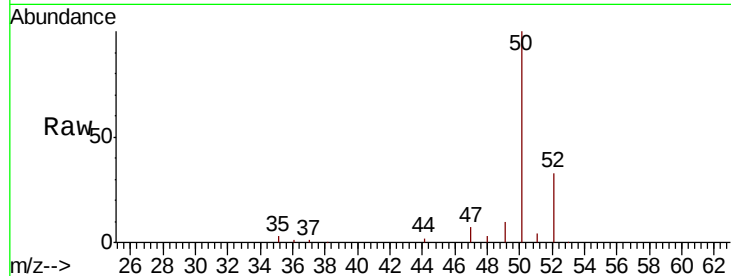
52 33.0 25.5 38.3

Manual Integrations

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12/24/2018 11:49:14 AM



#4

Vinyl Chloride

Concen: 41.247 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028930.D

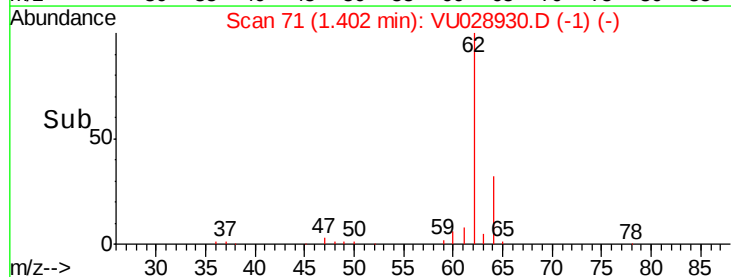
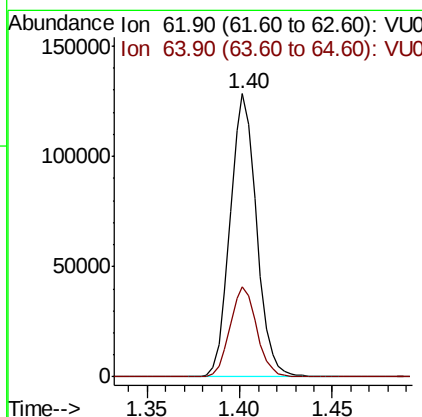
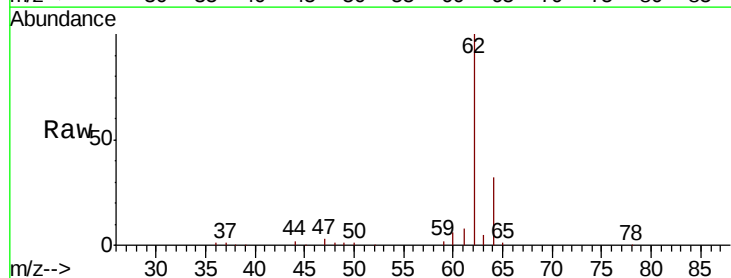
Acq: 22 Dec 2018 21:27

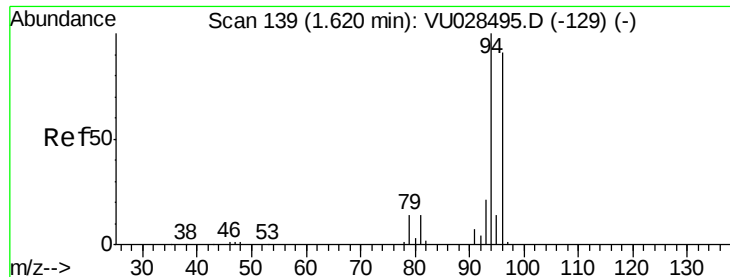
Tgt Ion: 62 Resp: 127056

Ion Ratio Lower Upper

62 100

64 32.1 25.1 37.7





#5

Bromomethane

Concen: 52.834 ug/l

RT: 1.60 min Scan# 134

Delta R.T. -0.02 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 65559

Ion Ratio Lower Upper

94 100

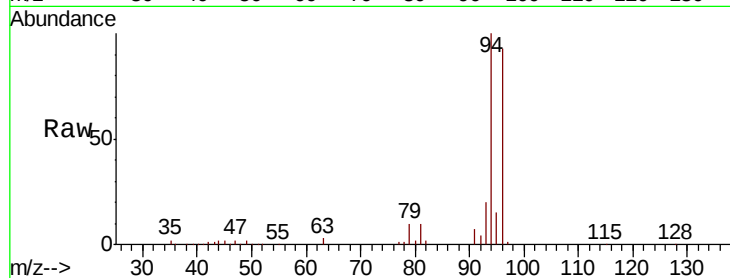
96 93.3 73.2 109.8

Manual Integrations

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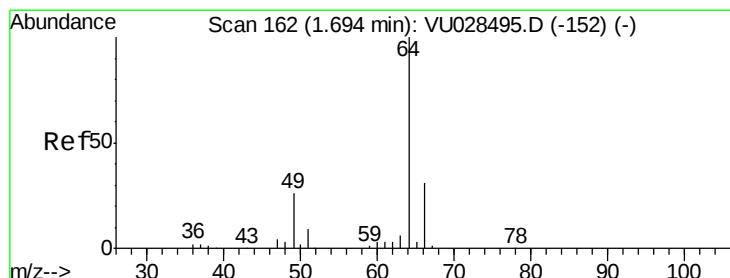
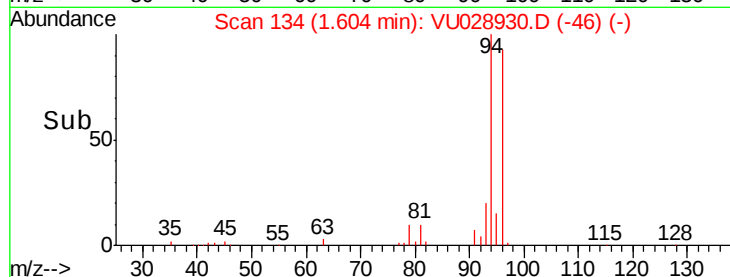
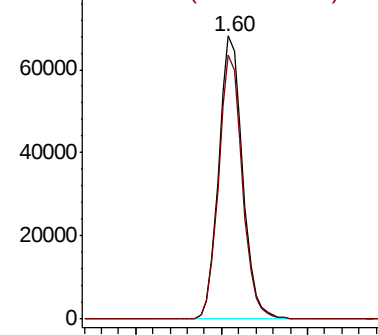
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12/24/2018 11:49:14 AM



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 42.202 ug/l

RT: 1.68 min Scan# 158

Delta R.T. -0.01 min

Lab File: VU028930.D

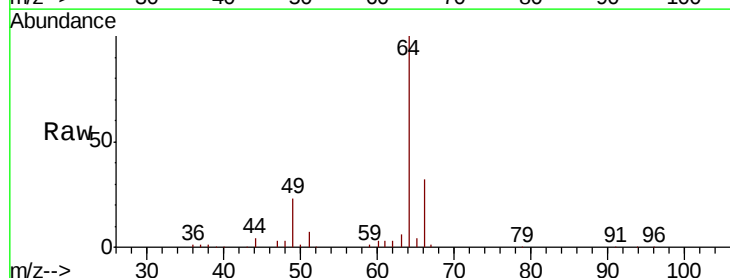
Acq: 22 Dec 2018 21:27

Tgt Ion: 64 Resp: 73596

Ion Ratio Lower Upper

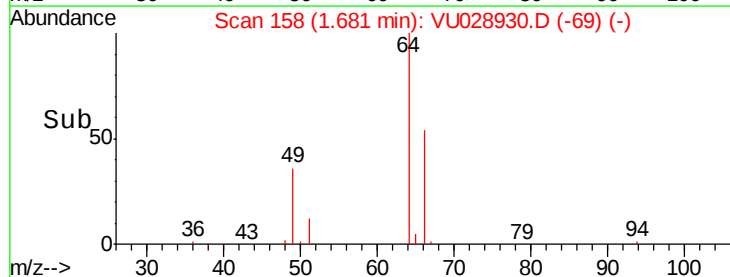
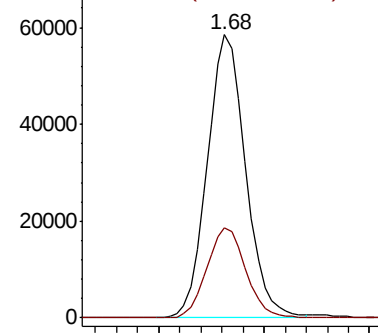
64 100

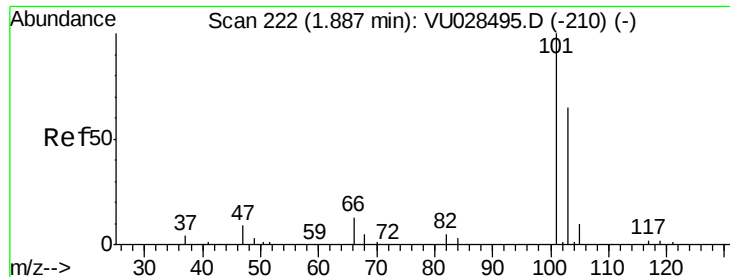
66 31.8 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

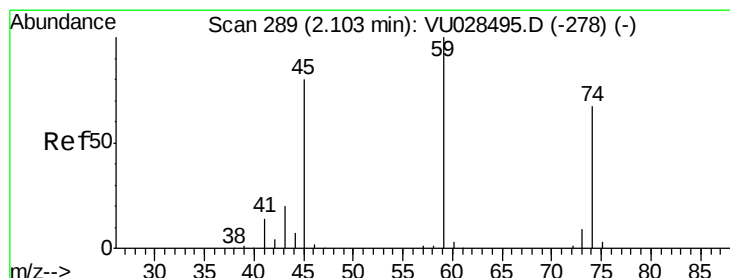
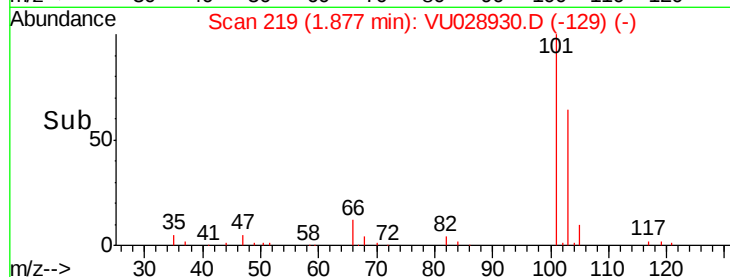
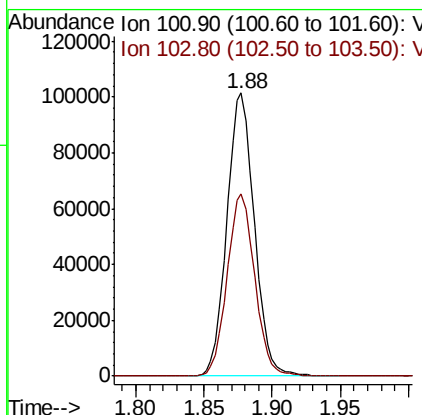
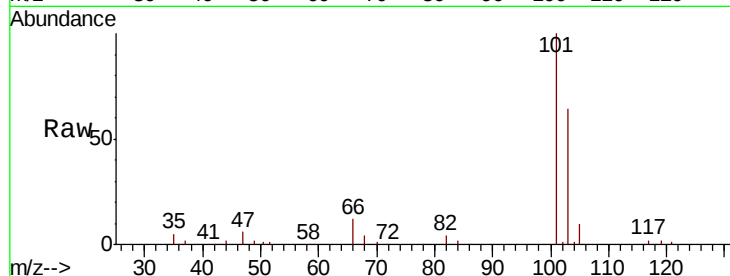
Trichlorofluoromethane  
Concen: 43.872 ug/l  
RT: 1.88 min Scan# 219  
Delta R.T. -0.01 min  
Lab File: VU028930.D  
Acq: 22 Dec 2018 21:27

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.3  | 52.3  | 78.5  |

Manual Integrations  
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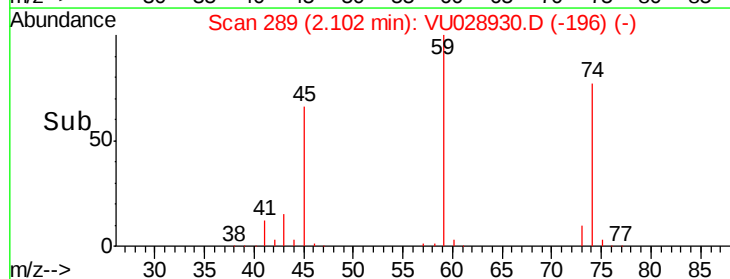
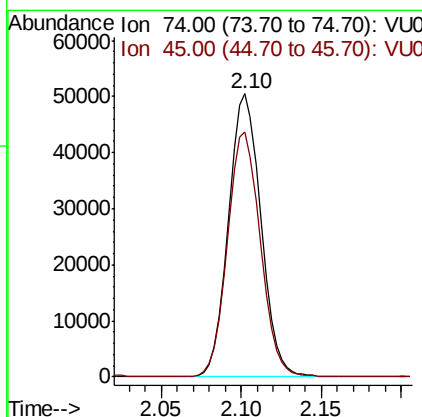
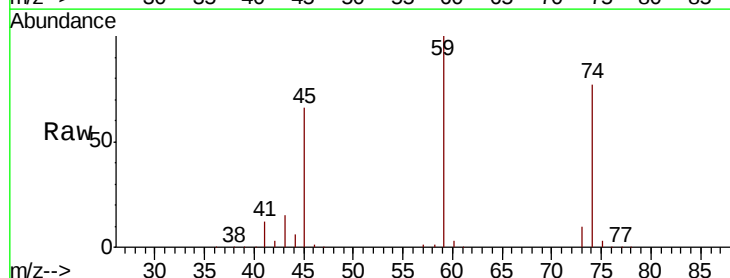
MMDadoda  
12/24/2018 11:49:14 AM

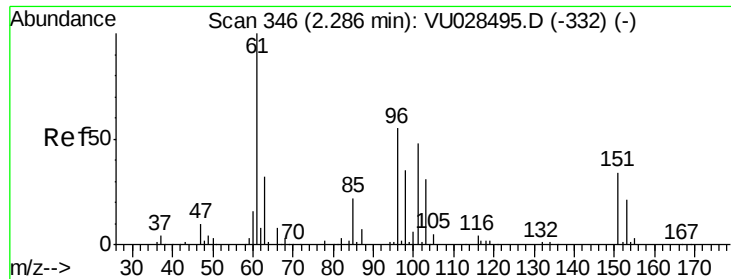


#8

Diethyl Ether  
Concen: 45.945 ug/l  
RT: 2.10 min Scan# 289  
Delta R.T. -0.00 min  
Lab File: VU028930.D  
Acq: 22 Dec 2018 21:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 87.9  | 59.7  | 179.0 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.240 ug/l

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

Instrument :

MSVOA\_U

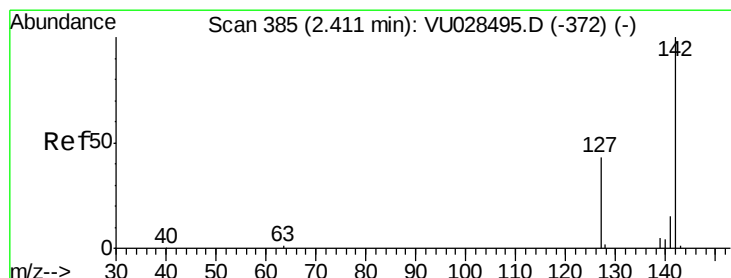
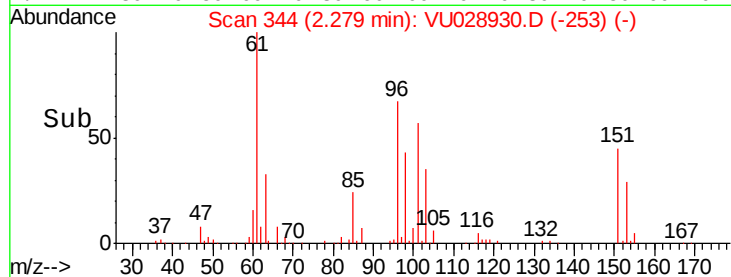
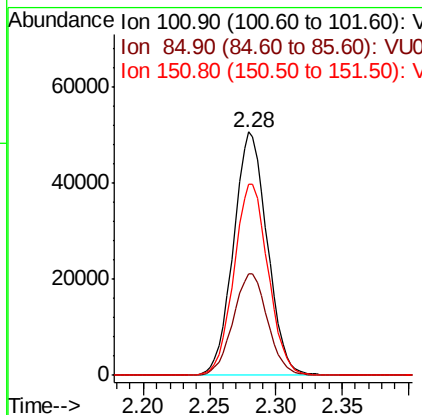
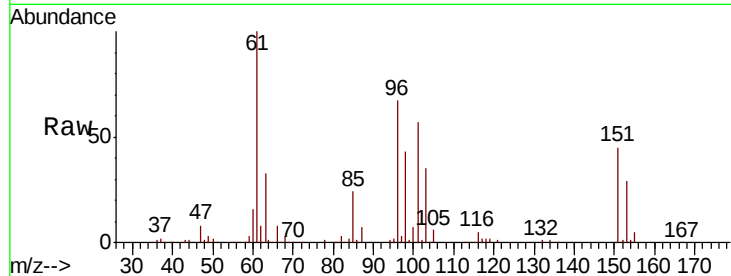
ClientSampleId :

VSTDCCC050EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 89627 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 42.4  | 36.4  | 54.6  |
| 151       | 79.5  | 58.2  | 87.2  |

Manual Integrations  
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MMDadoda  
12/24/2018 11:49:14 AM



#10

Methyl Iodide

Concen: 65.955 ug/l

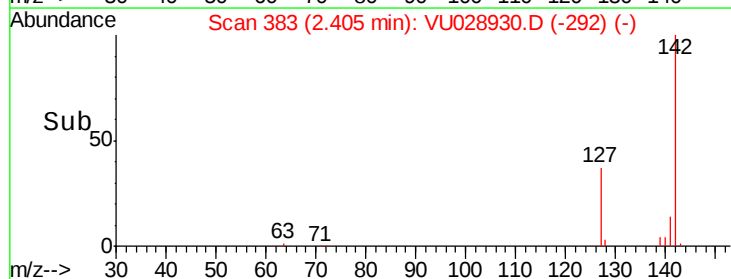
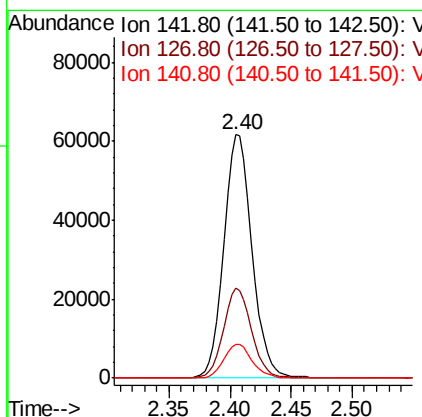
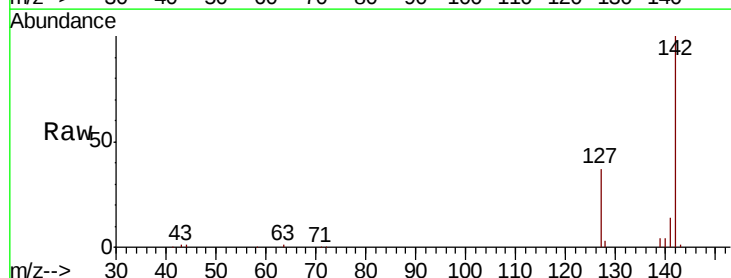
RT: 2.40 min Scan# 383

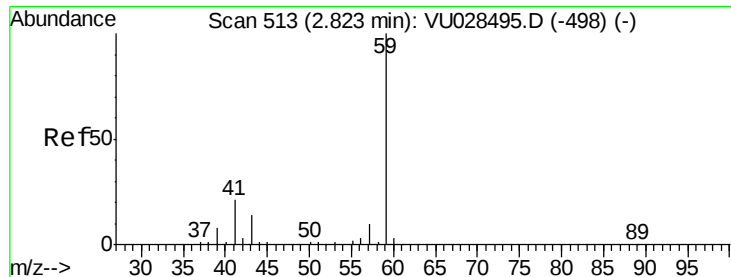
Delta R.T. -0.01 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 100309 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 36.7  | 33.5  | 50.3   |
| 141       | 13.9  | 11.2  | 16.8   |





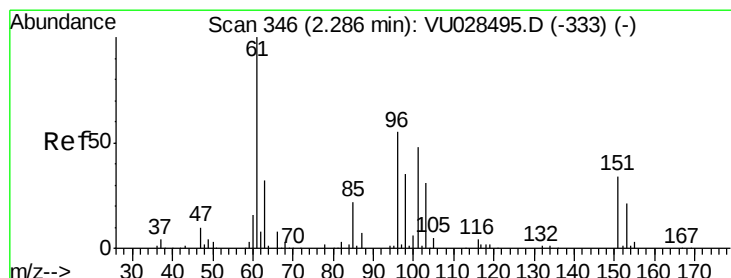
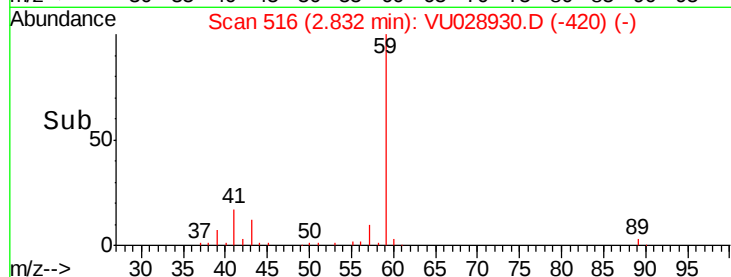
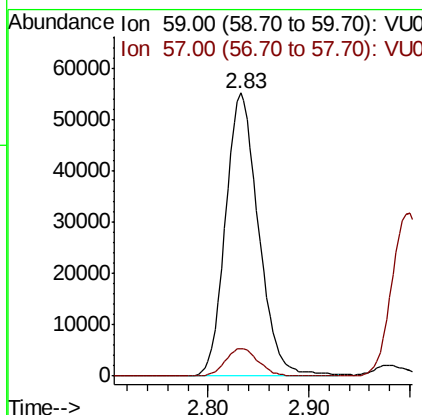
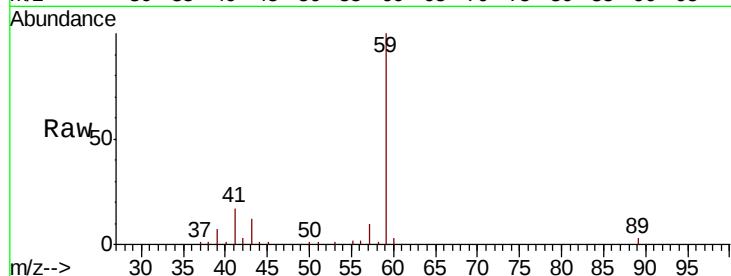
#11  
Tert butyl alcohol  
Concen: 213.896 ug/l  
RT: 2.83 min Scan# 516  
Delta R.T. 0.01 min  
Lab File: VU028930.D  
Acq: 22 Dec 2018 21:27

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion   | 59  | Resp  | 125971 |
|-----------|-----|-------|--------|
| Ion Ratio | 100 | Lower | Upper  |
| 57        | 9.7 | 8.0   | 12.0   |

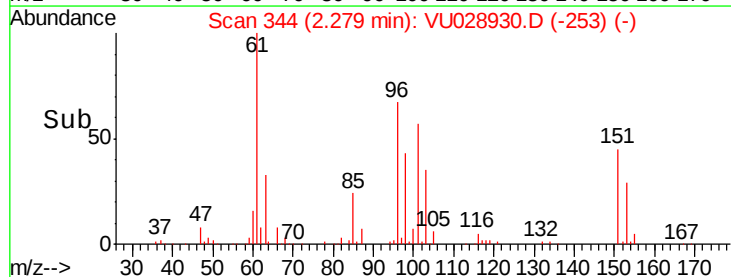
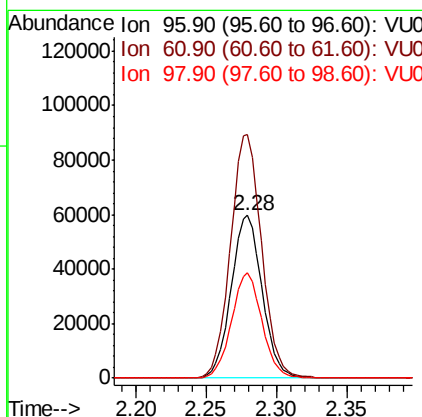
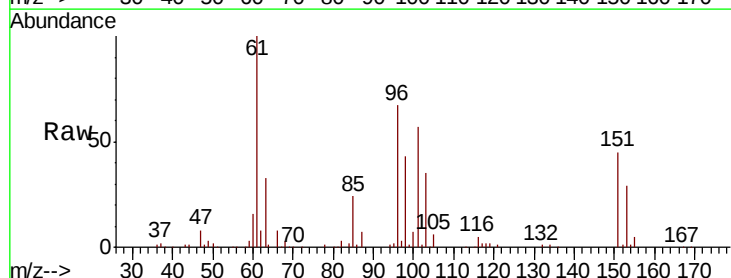
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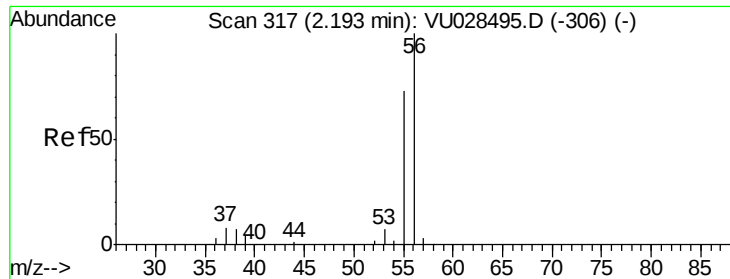
MMDadoda  
12/24/2018 11:49:14 AM



#12  
1,1-Dichloroethene  
Concen: 47.661 ug/l  
RT: 2.28 min Scan# 344  
Delta R.T. -0.01 min  
Lab File: VU028930.D  
Acq: 22 Dec 2018 21:27

| Tgt Ion   | 96    | Resp  | 91916 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 61        | 150.0 | 146.4 | 219.6 |
| 98        | 64.6  | 51.8  | 77.8  |





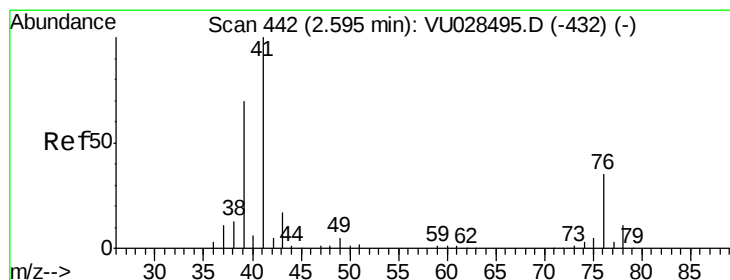
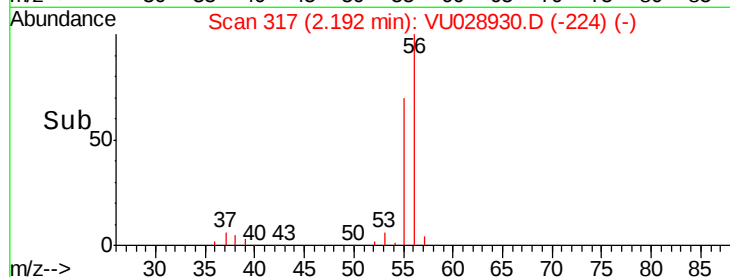
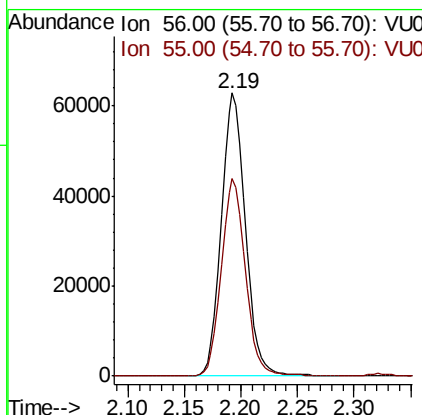
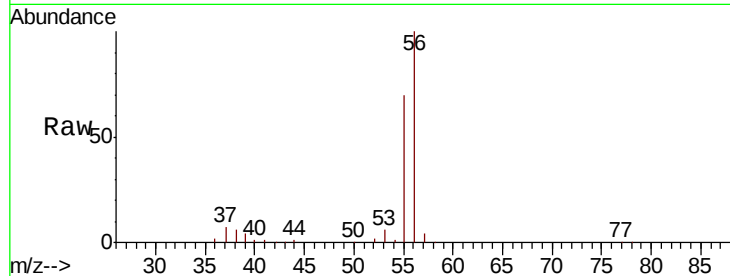
#13  
Acrolein  
Concen: 198.869 ug/l  
RT: 2.19 min Scan# 317  
Delta R.T. -0.00 min  
Lab File: VU028930.D  
Acq: 22 Dec 2018 21:27

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | 56   | 55 | Ratio | Lower | Upper |
|---------|------|----|-------|-------|-------|
| 56      | 100  |    |       |       |       |
| 55      | 70.0 |    |       | 57.5  | 86.3  |

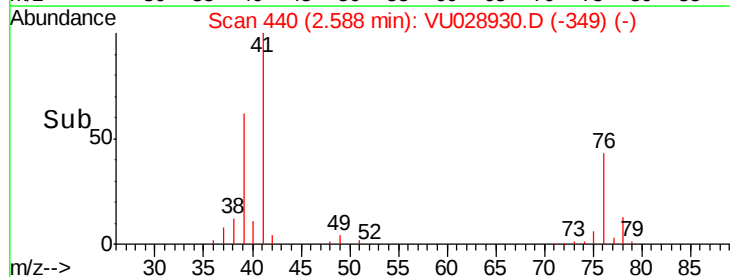
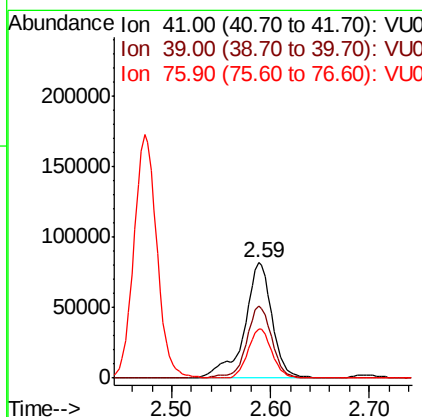
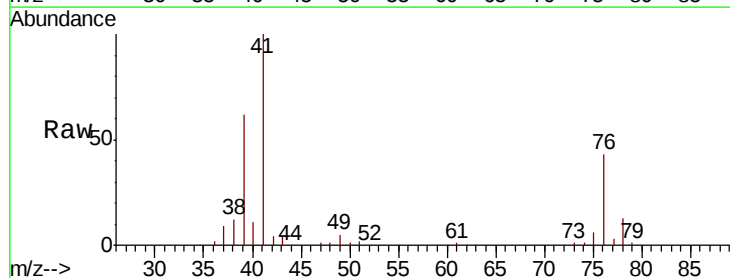
Manual Integrations  
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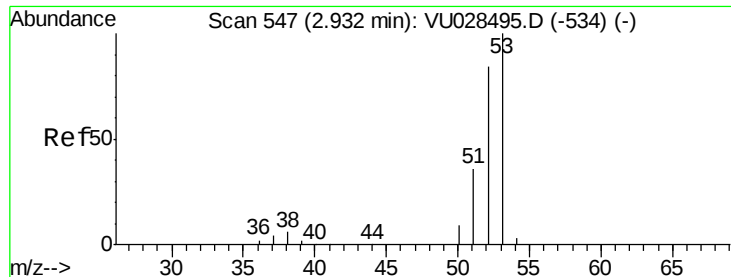
MMDadoda  
12/24/2018 11:49:14 AM



#14  
Allyl chloride  
Concen: 34.631 ug/l  
RT: 2.59 min Scan# 440  
Delta R.T. -0.01 min  
Lab File: VU028930.D  
Acq: 22 Dec 2018 21:27

| Tgt Ion | 41   | 39 | 76 | Ratio | Lower | Upper |
|---------|------|----|----|-------|-------|-------|
| 41      | 100  |    |    |       |       |       |
| 39      | 57.0 |    |    |       | 50.8  | 76.2  |
| 76      | 37.2 |    |    |       | 24.8  | 37.2  |





#15

Acrylonitrile

Concen: 193.547 ug/l

RT: 2.93 min Scan# 547

Delta R.T. -0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

Instrument :

MSVOA\_U

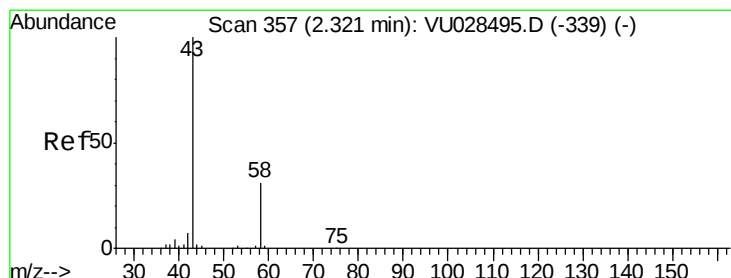
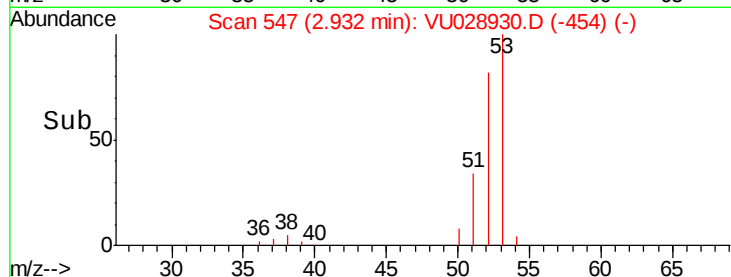
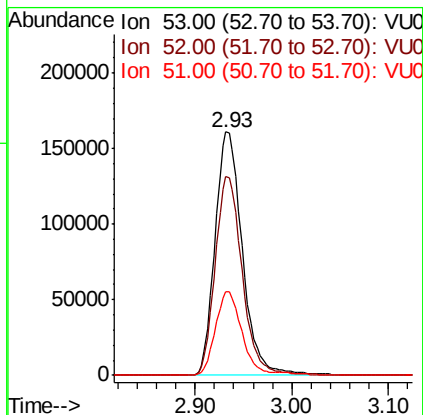
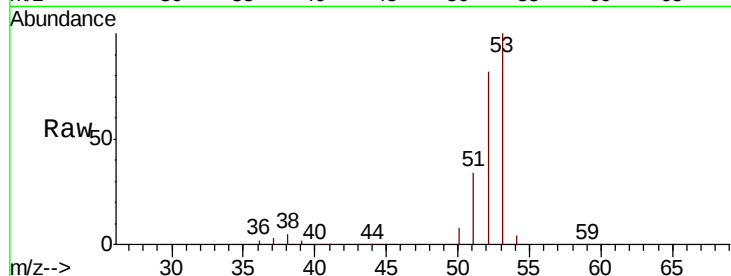
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 316464 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 81.0  | 66.1  | 99.1   |
| 51       | 34.2  | 28.1  | 42.1   |

Manual Integrations  
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12/24/2018 11:49:14 AM



#16

Acetone

Concen: 133.246 ug/l

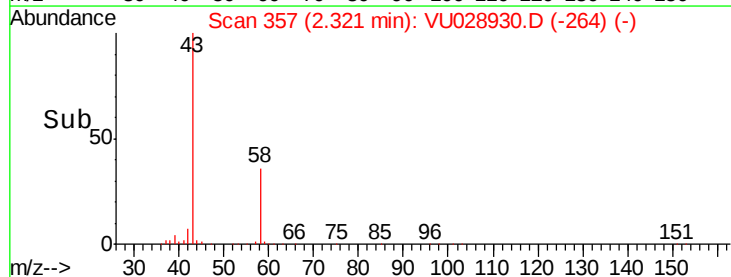
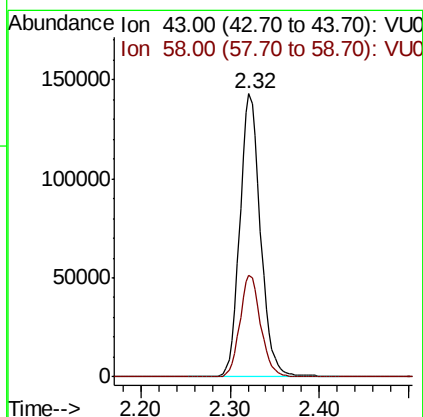
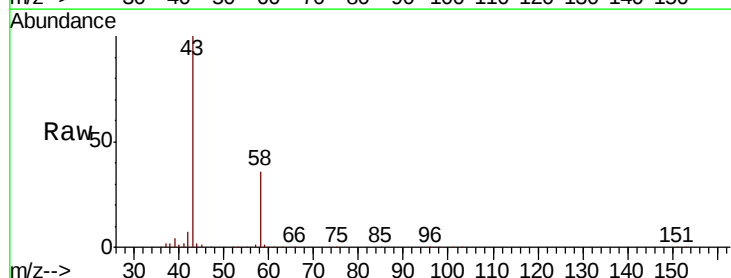
RT: 2.32 min Scan# 357

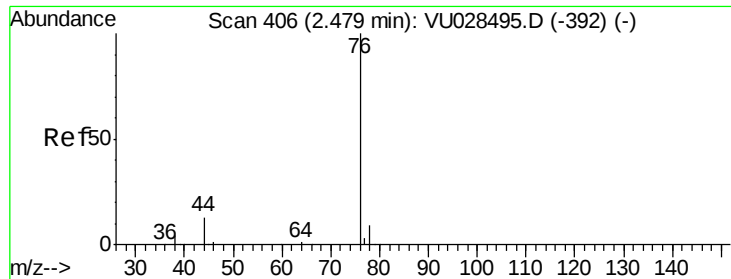
Delta R.T. -0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 229841 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 35.8  | 24.6  | 37.0   |





#17

Carbon Disulfide

Concen: 40.052 ug/l

RT: 2.47 min Scan# 404

Delta R.T. -0.01 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 278265

Ion Ratio Lower Upper

76 100

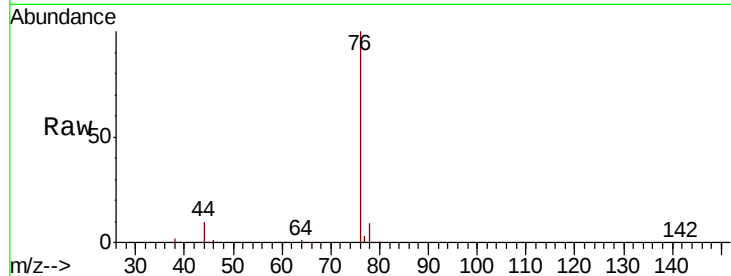
78 9.0 7.2 10.8

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Abundance Ion 75.90 (75.60 to 76.60): VU028930.D (-313) (-)

Ion 77.90 (77.60 to 78.60): VU028930.D (-313) (-)

200000

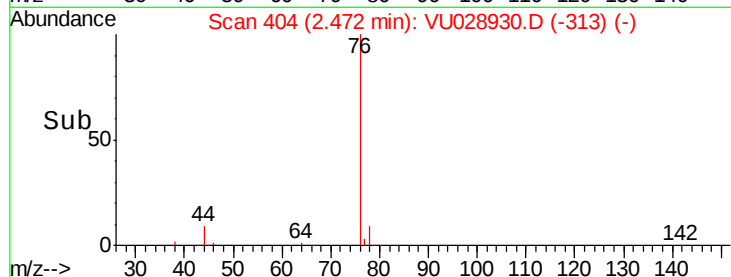
150000

100000

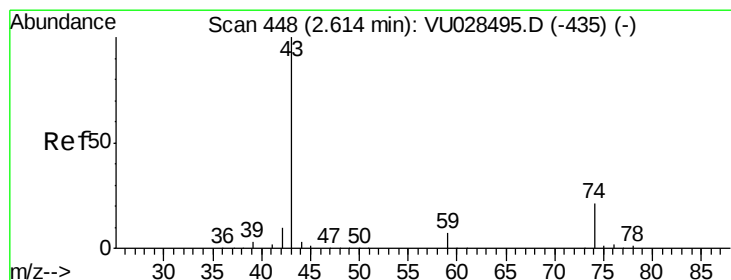
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 36.093 ug/l

RT: 2.61 min Scan# 448

Delta R.T. -0.00 min

Lab File: VU028930.D

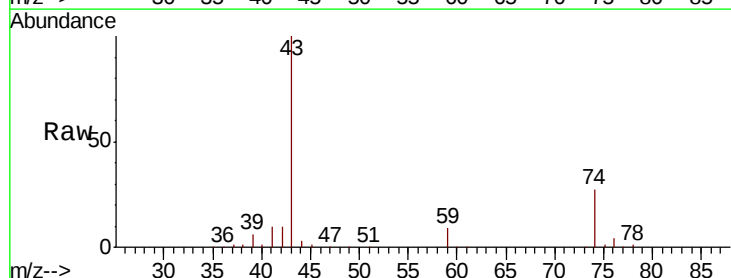
Acq: 22 Dec 2018 21:27

Tgt Ion: 43 Resp: 161389

Ion Ratio Lower Upper

43 100

74 26.5 16.4 24.6#



Abundance Ion 43.00 (42.70 to 43.70): VU028930.D (-355) (-)

Ion 74.00 (73.70 to 74.70): VU028930.D (-355) (-)

100000

80000

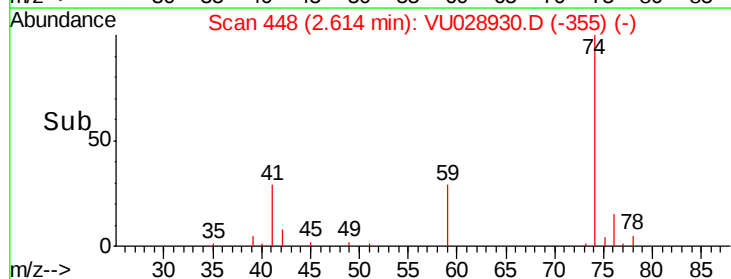
60000

40000

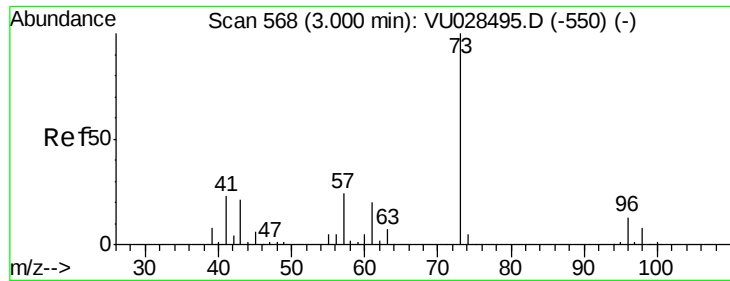
20000

0

Time-->



Time-->



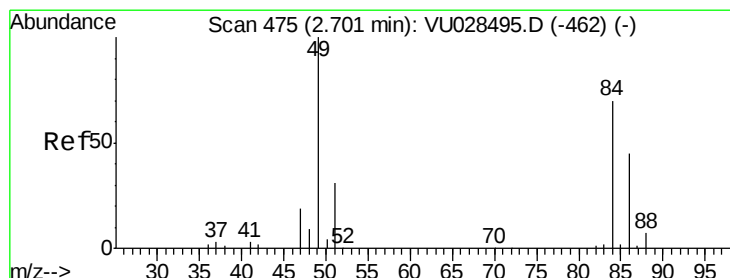
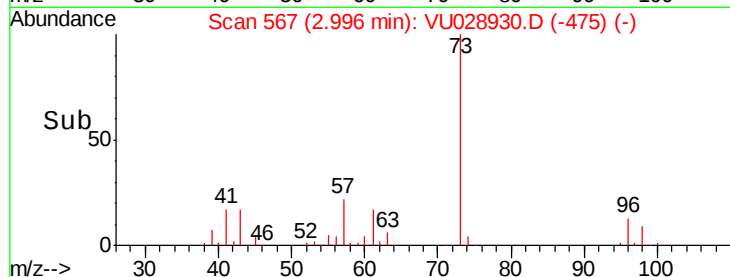
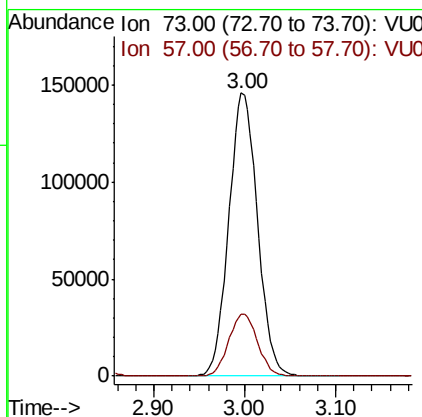
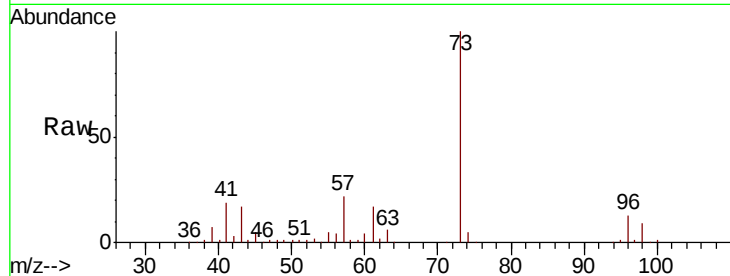
#19  
Methvl tert-butvl Ether  
Concen: 43.744 ug/l  
RT: 3.00 min Scan# 567  
Delta R.T. -0.00 min  
Lab File: VU028930.D  
Acq: 22 Dec 2018 21:27

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 73 Resp: 319810  
Ion Ratio Lower Upper  
73 100  
57 21.7 19.4 29.2

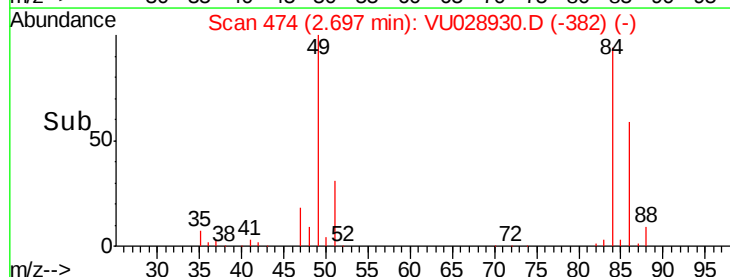
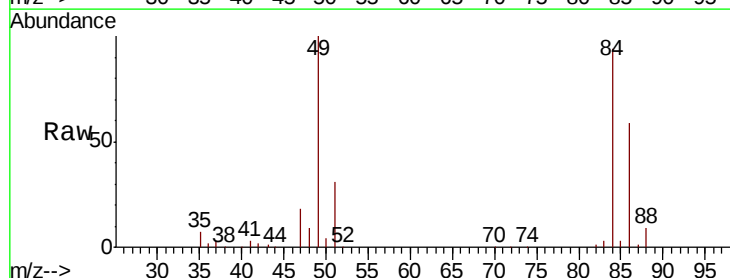
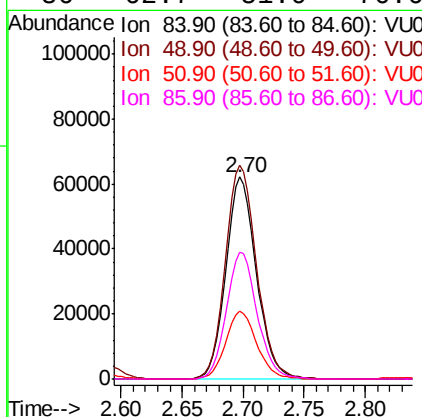
Manual Integrations  
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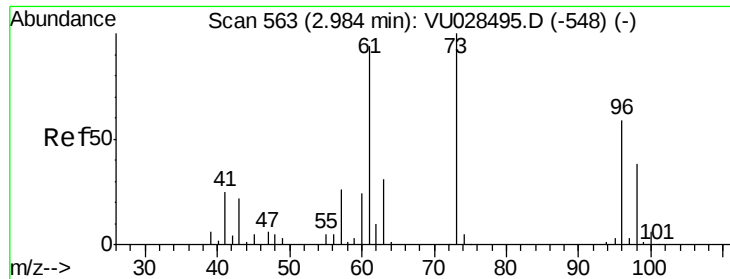
MMDadoda  
12/24/2018 11:49:14 AM



#20  
Methylene Chloride  
Concen: 42.846 ug/l  
RT: 2.70 min Scan# 474  
Delta R.T. -0.00 min  
Lab File: VU028930.D  
Acq: 22 Dec 2018 21:27

Tgt Ion: 84 Resp: 108949  
Ion Ratio Lower Upper  
84 100  
49 105.8 114.0 171.0#  
51 33.3 35.1 52.7#  
86 62.7 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 45.162 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

Instrument :

MSVOA\_U

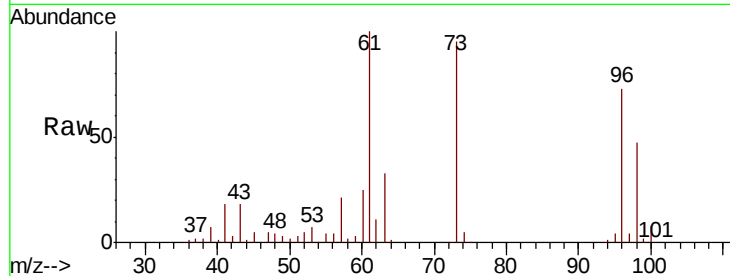
ClientSampleId :

VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 98064 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 136.1 | 127.0 | 190.4 |
| 98       | 63.7  | 51.9  | 77.9  |

Manual Integrations  
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MMDadoda  
12/24/2018 11:49:14 AM

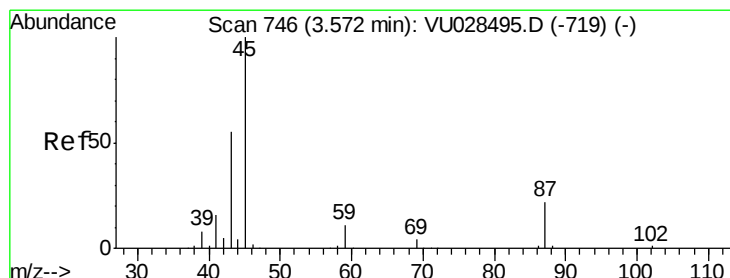
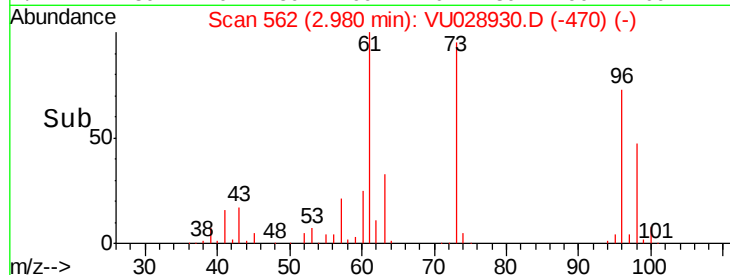
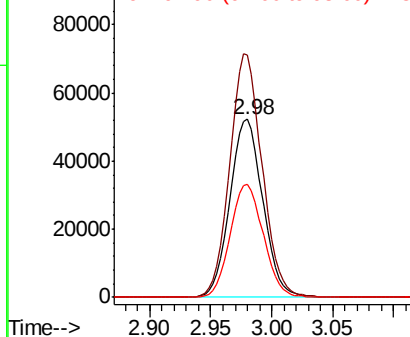


Abundance

Ion 95.90 (95.60 to 96.60): VU028495.D (-548) (-)

Ion 60.90 (60.60 to 61.60): VU028495.D (-548) (-)

Ion 97.90 (97.60 to 98.60): VU028495.D (-548) (-)



#22

Diisopropyl ether

Concen: 34.669 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 307592 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 52.9  | 45.3  | 67.9   |
| 87       | 30.1  | 17.6  | 26.4   |
| 59       | 12.3  | 8.8   | 13.2   |

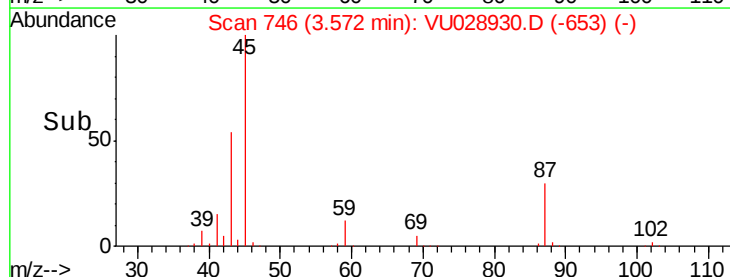
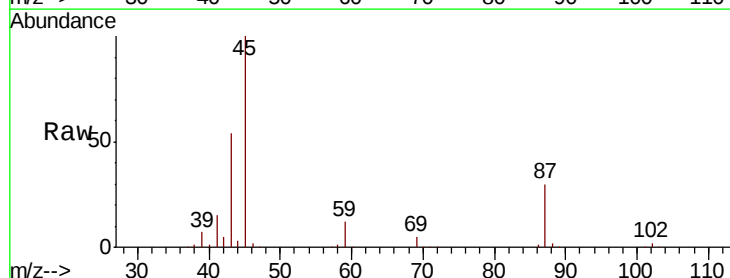
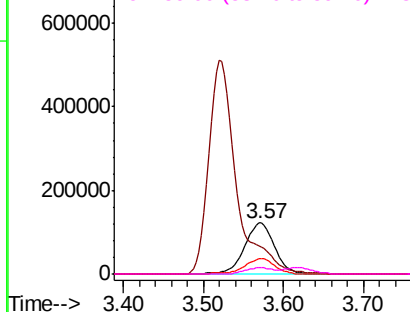
Abundance

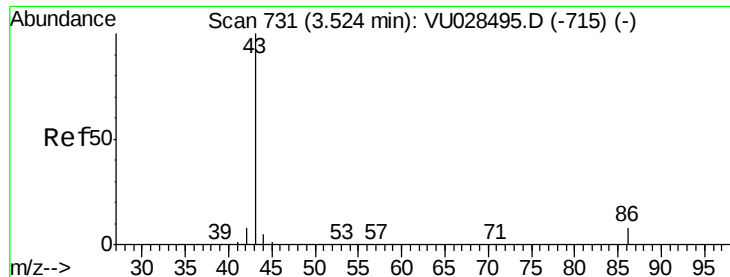
Ion 45.00 (44.70 to 45.70): VU028495.D (-719) (-)

Ion 43.00 (42.70 to 43.70): VU028495.D (-719) (-)

Ion 87.00 (86.70 to 87.70): VU028495.D (-719) (-)

Ion 59.00 (58.70 to 59.70): VU028495.D (-719) (-)





#23

Vinyl Acetate

Concen: 168.534 ug/l

RT: 3.52 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1233362

Ion Ratio Lower Upper

43 100

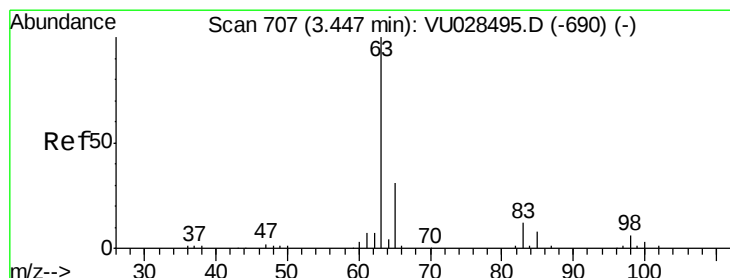
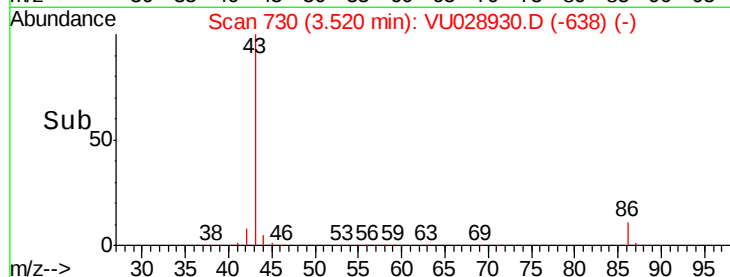
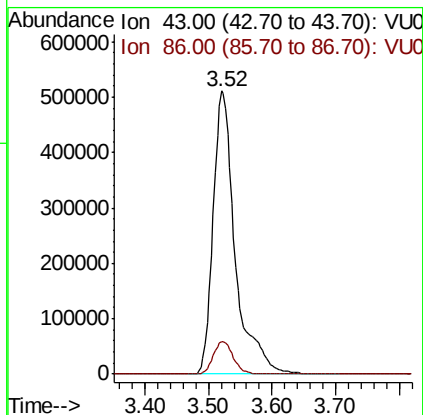
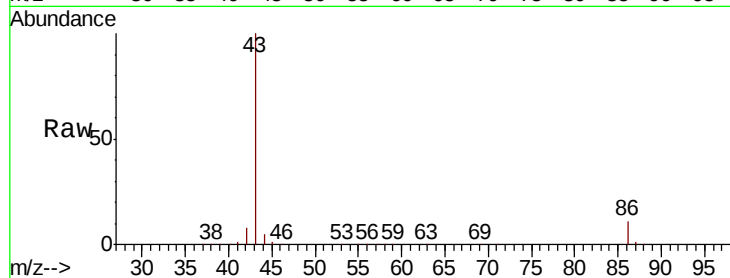
86 11.5 6.8 10.2#

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#24

1,1-Dichloroethane

Concen: 39.542 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

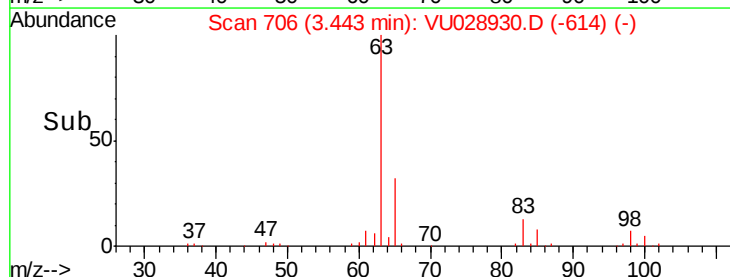
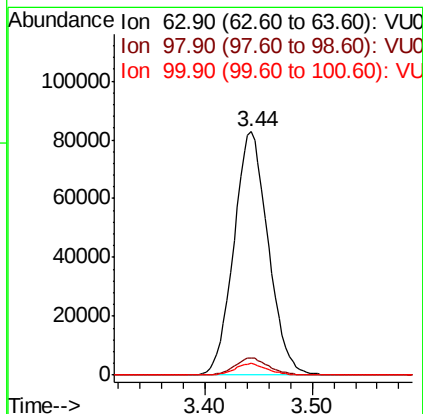
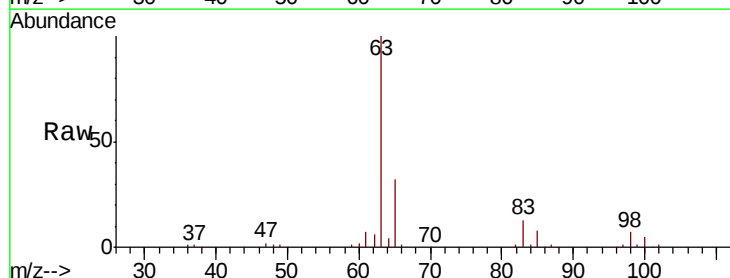
Tgt Ion: 63 Resp: 183642

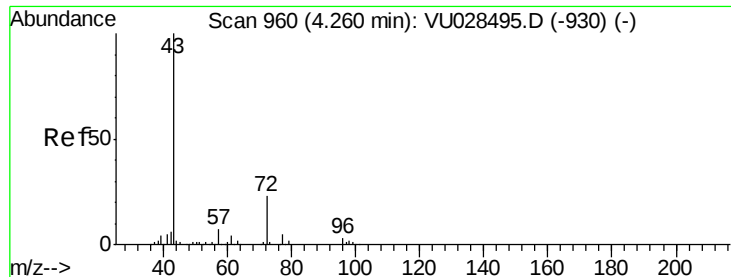
Ion Ratio Lower Upper

63 100

98 7.1 3.0 9.2

100 4.6 1.7 5.1





#25

2-Butanone

Concen: 161.872 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 381580

Ion Ratio Lower Upper

43 100

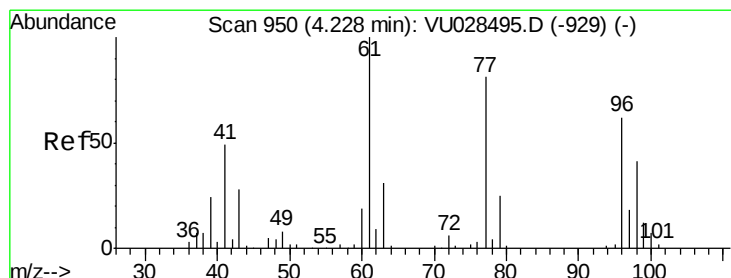
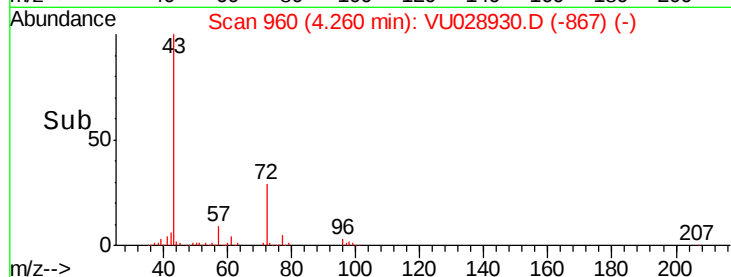
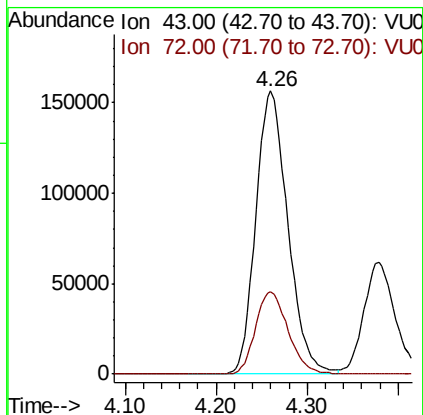
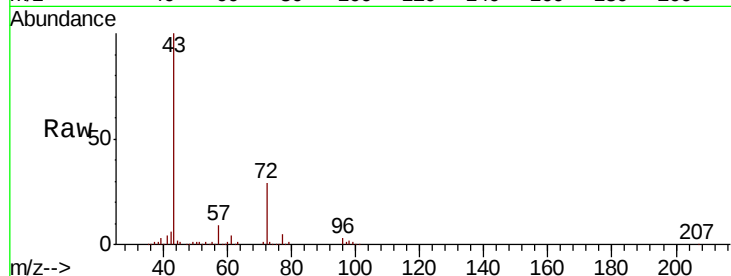
72 29.0 18.6 28.0#

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#26

2,2-Dichloropropane

Concen: 37.102 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028930.D

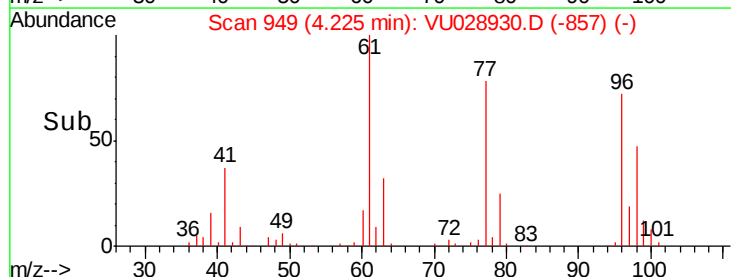
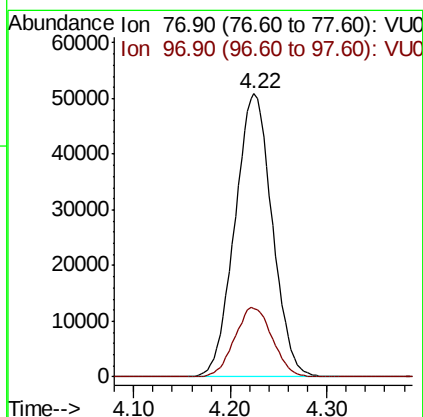
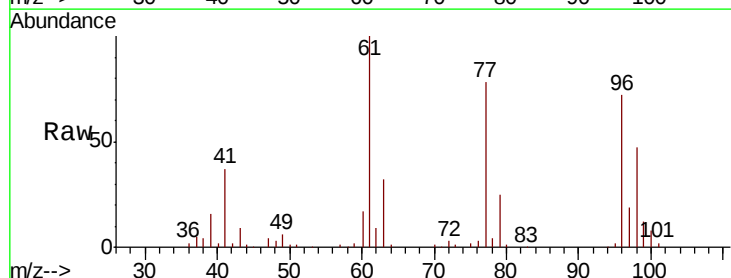
Acq: 22 Dec 2018 21:27

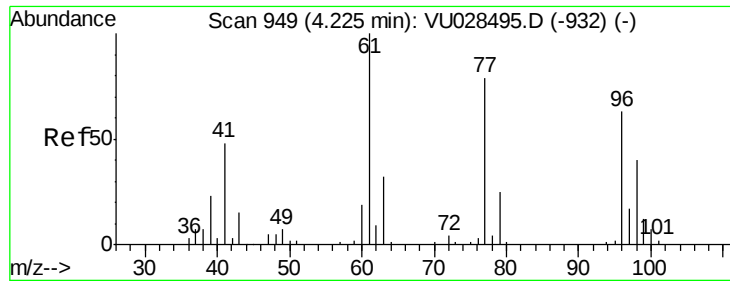
Tgt Ion: 77 Resp: 136532

Ion Ratio Lower Upper

77 100

97 24.7 11.0 33.0





#27

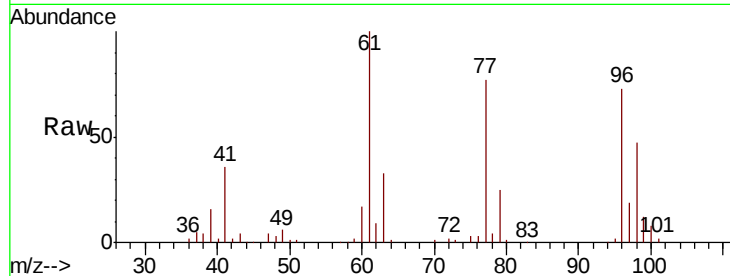
cis-1,2-Dichloroethene  
Concen: 46.344 ug/l  
RT: 4.22 min Scan# 948  
Delta R.T. -0.00 min  
Lab File: VU028930.D  
Acq: 22 Dec 2018 21:27

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

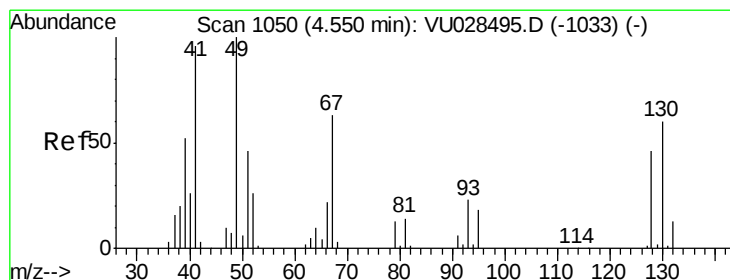
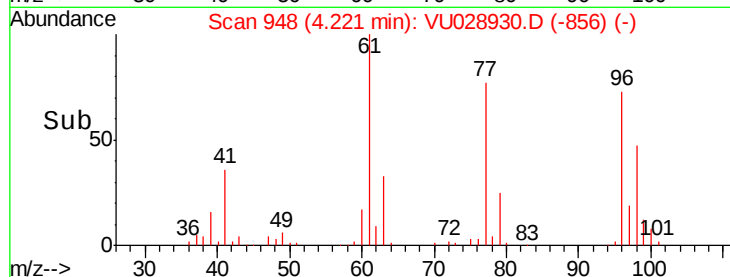
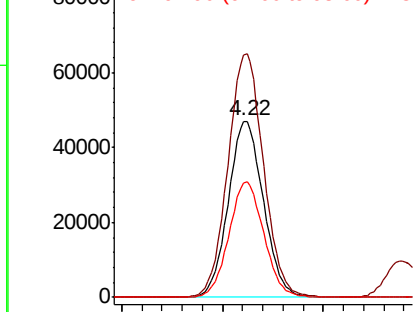
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 113899 |       |       |
| 61      | 140.0 | 0.0    | 332.4 |       |
| 98      | 65.1  | 0.0    | 129.0 |       |

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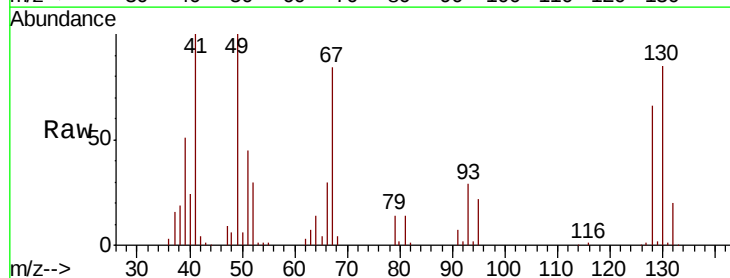
Abundance Ion 95.90 (95.60 to 96.60): VU0  
Ion 60.90 (60.60 to 61.60): VU0  
Ion 97.90 (97.60 to 98.60): VU0



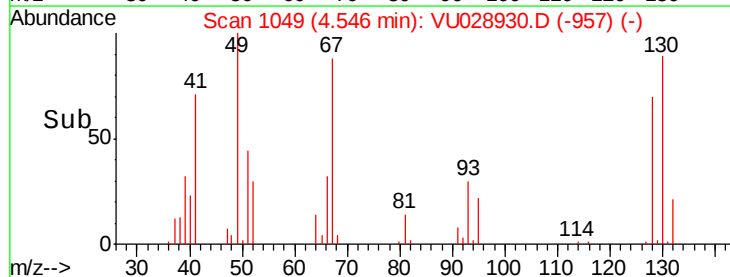
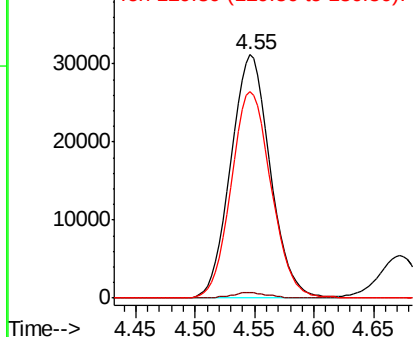
#28

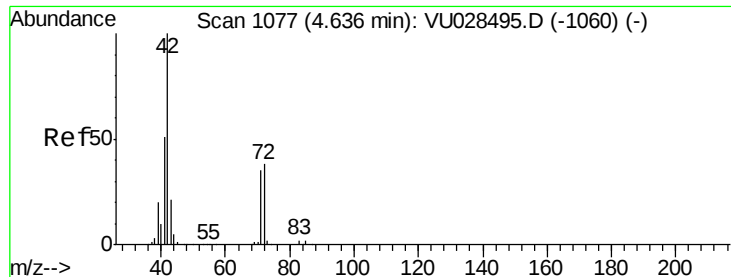
Bromochloromethane  
Concen: 33.999 ug/l  
RT: 4.55 min Scan# 1049  
Delta R.T. -0.00 min  
Lab File: VU028930.D  
Acq: 22 Dec 2018 21:27

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 49      | 100   | 71781 |       |       |
| 129     | 2.0   | 0.0   | 3.0   |       |
| 130     | 85.9  | 47.8  | 71.8# |       |



Abundance Ion 48.90 (48.60 to 49.60): VU0  
Ion 128.80 (128.50 to 129.50): V  
Ion 129.80 (129.50 to 130.50): V





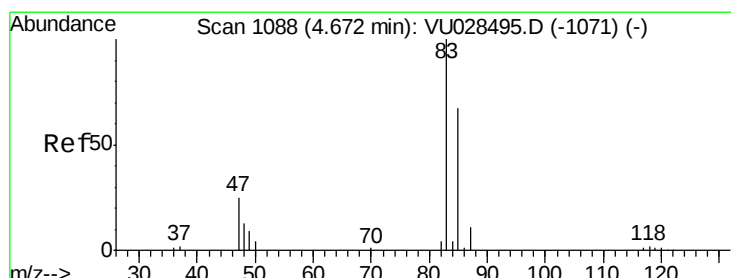
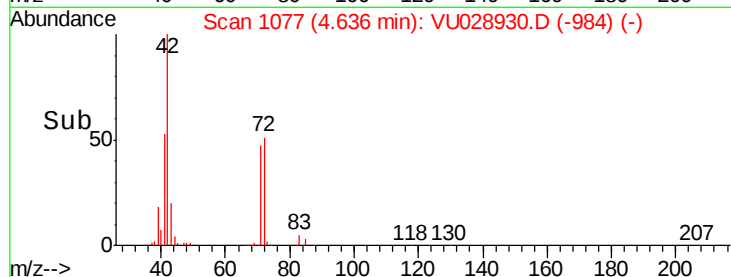
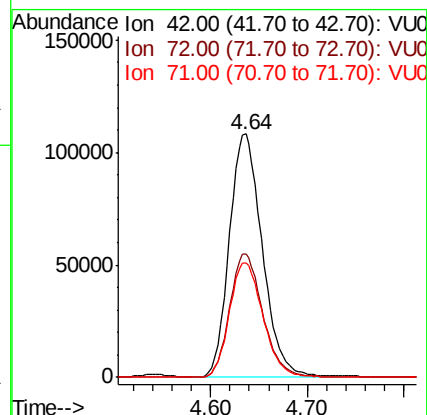
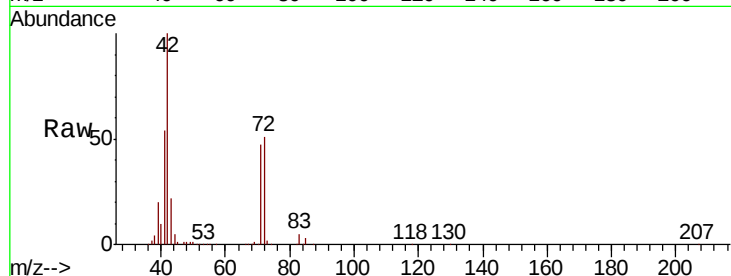
#29  
Tetrahydrofuran  
Concen: 169.326 ug/l  
RT: 4.64 min Scan# 1077  
Delta R.T. -0.00 min  
Lab File: VU028930.D  
Acq: 22 Dec 2018 21:27

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 51.0  | 31.4  | 47.0# |
| 71      | 47.9  | 28.6  | 43.0# |

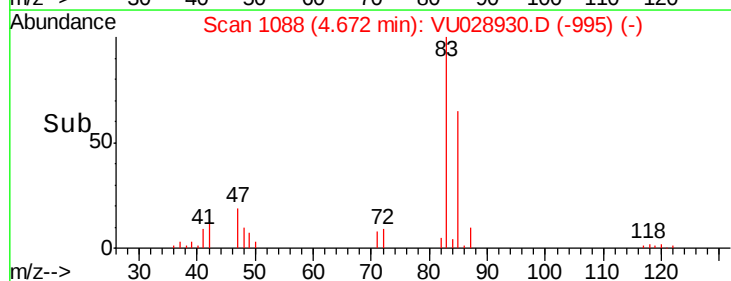
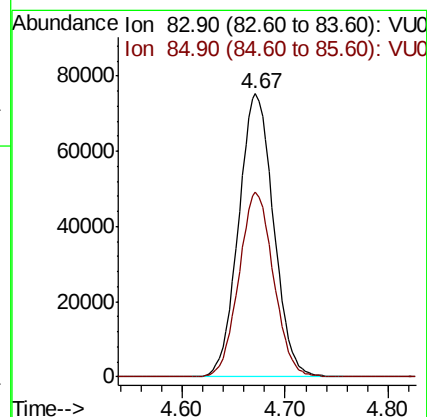
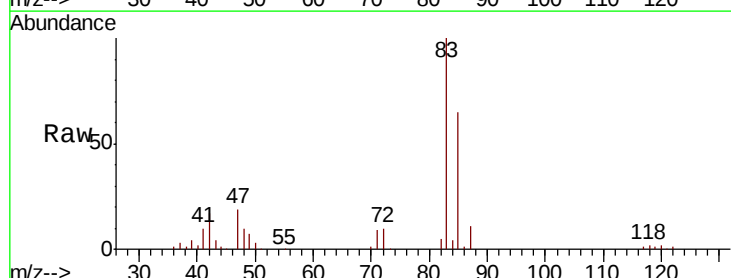
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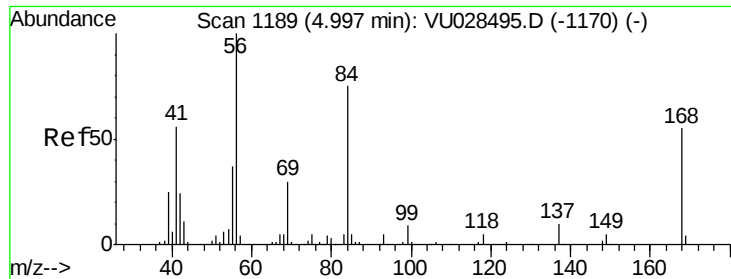
MMDadoda  
12/24/2018 11:49:14 AM



#30  
Chloroform  
Concen: 43.914 ug/l  
RT: 4.67 min Scan# 1088  
Delta R.T. -0.00 min  
Lab File: VU028930.D  
Acq: 22 Dec 2018 21:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.4  | 53.6  | 80.4  |





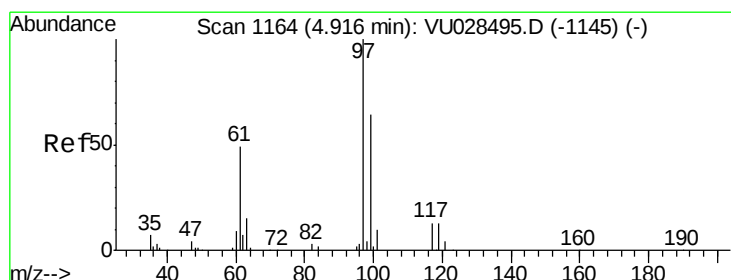
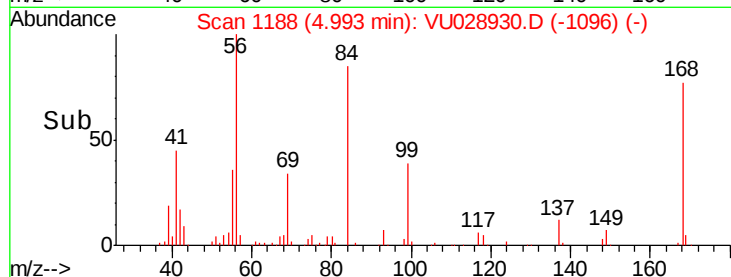
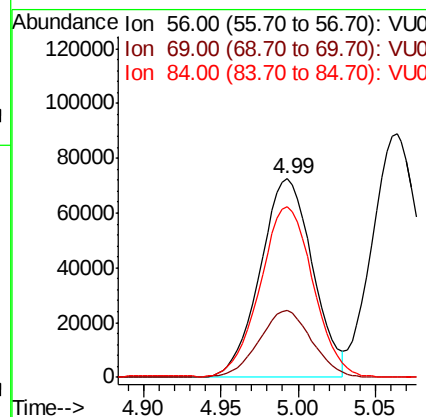
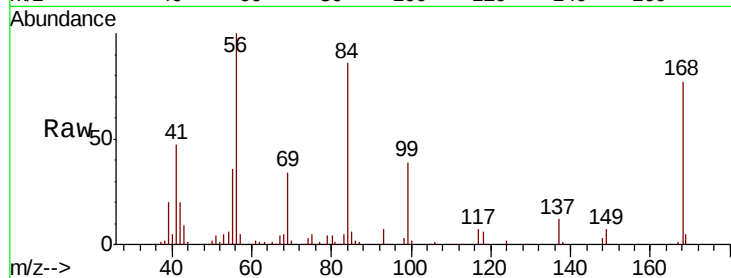
#31  
Cyclohexane  
Concen: 37.492 ug/l  
RT: 4.99 min Scan# 1188  
Delta R.T. -0.00 min  
Lab File: VU028930.D  
Acq: 22 Dec 2018 21:27

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 33.5  | 24.0  | 36.0  |
| 84      | 85.3  | 59.7  | 89.5  |

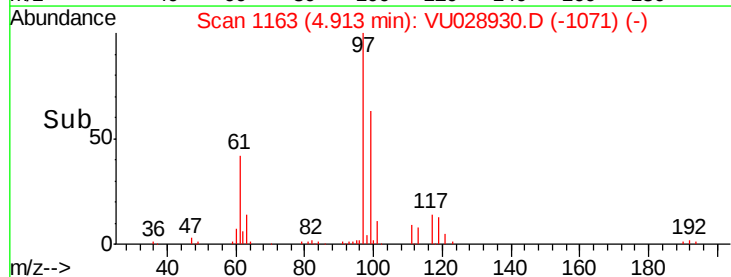
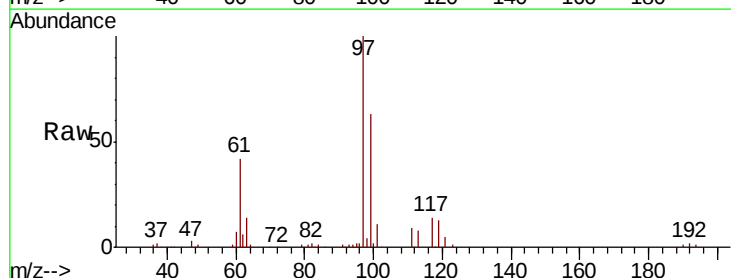
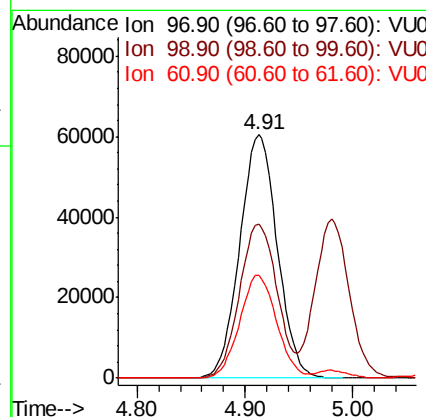
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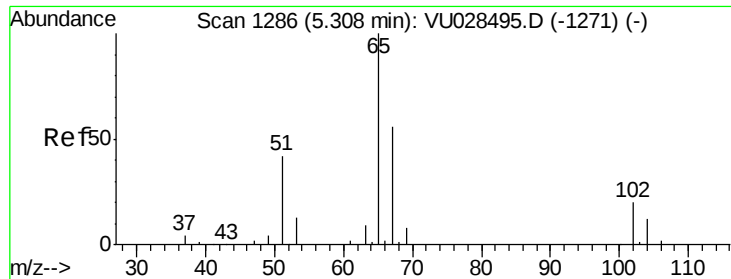
MMDadoda  
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#32  
1,1,1-Trichloroethane  
Concen: 43.550 ug/l  
RT: 4.91 min Scan# 1163  
Delta R.T. -0.00 min  
Lab File: VU028930.D  
Acq: 22 Dec 2018 21:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 63.8  | 52.3  | 78.5  |
| 61      | 41.8  | 39.0  | 58.6  |





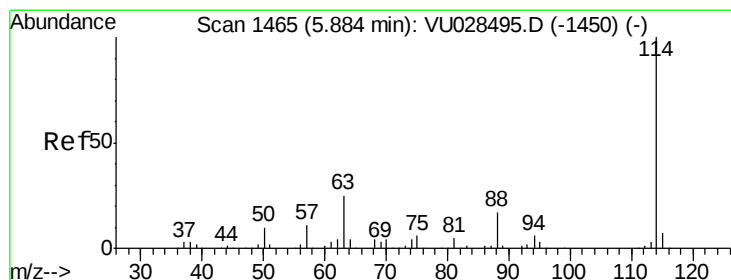
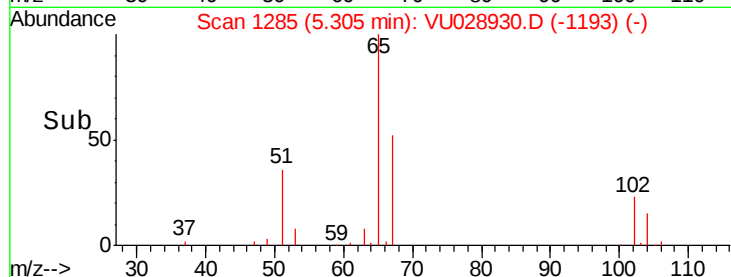
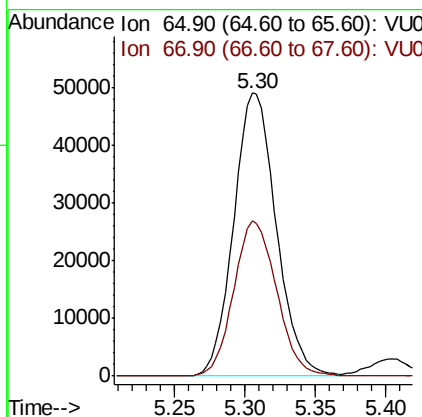
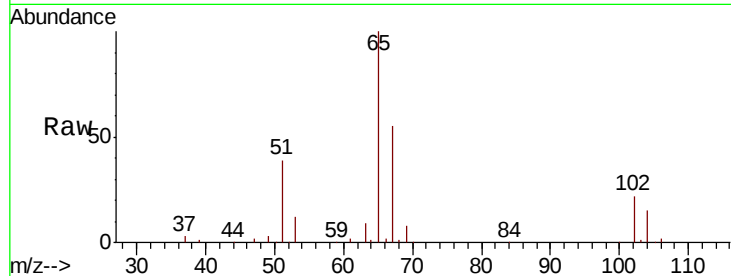
#33  
 1,2-Dichloroethane-d4  
 Concen: 39.162 ug/l  
 RT: 5.30 min Scan# 1285  
 Delta R.T. -0.00 min  
 Lab File: VU028930.D  
 Acq: 22 Dec 2018 21:27

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 103521 |       |       |
| 67      | 55.4  | 0.0    | 110.6 |       |

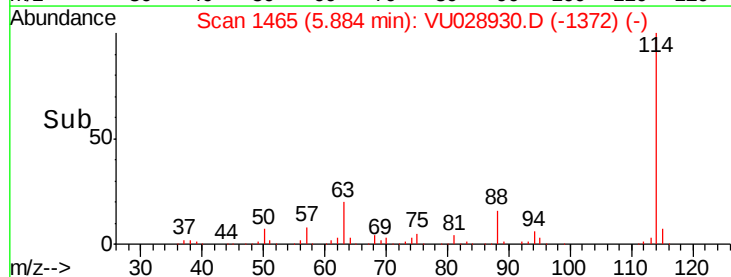
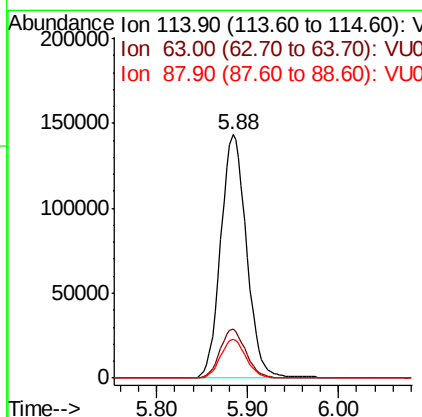
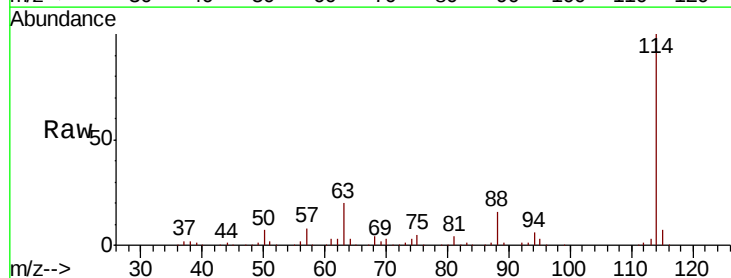
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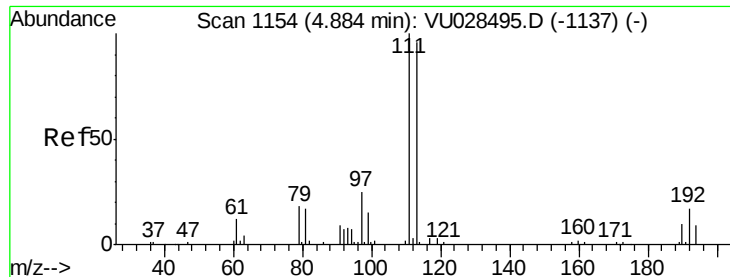
MMDadoda  
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.88 min Scan# 1465  
 Delta R.T. -0.00 min  
 Lab File: VU028930.D  
 Acq: 22 Dec 2018 21:27

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 283692 |       |       |
| 63      | 20.3  | 0.0    | 49.2  |       |
| 88      | 16.0  | 0.0    | 33.4  |       |





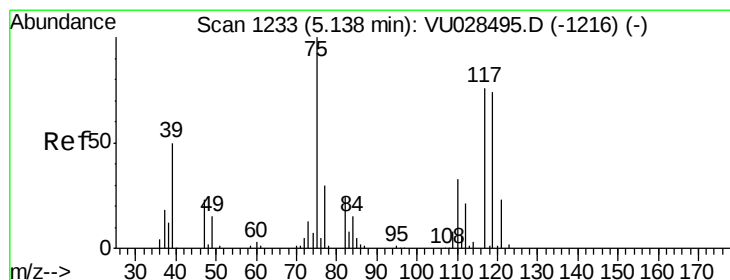
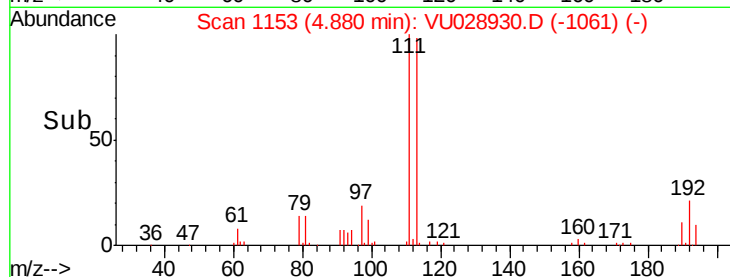
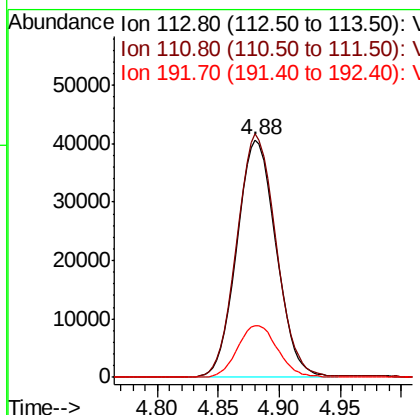
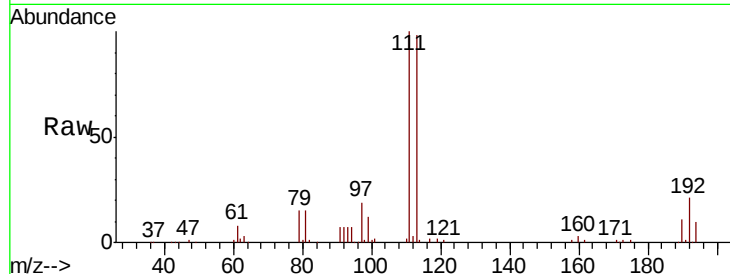
#35  
 Dibromofluoromethane  
 Concen: 50.789 ug/l  
 RT: 4.88 min Scan# 1153  
 Delta R.T. -0.00 min  
 Lab File: VU028930.D  
 Acq: 22 Dec 2018 21:27

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.7 | 83.4  | 125.0 |
| 192     | 22.3  | 14.8  | 22.2  |

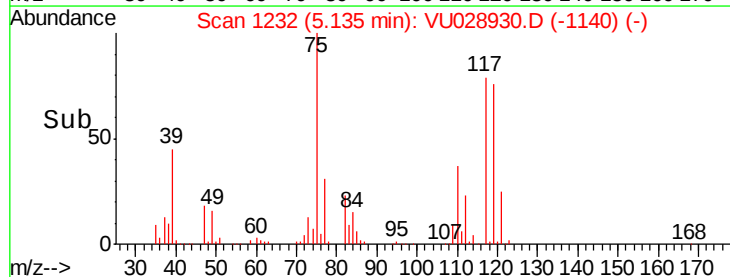
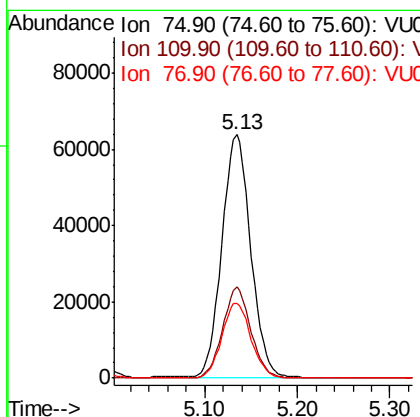
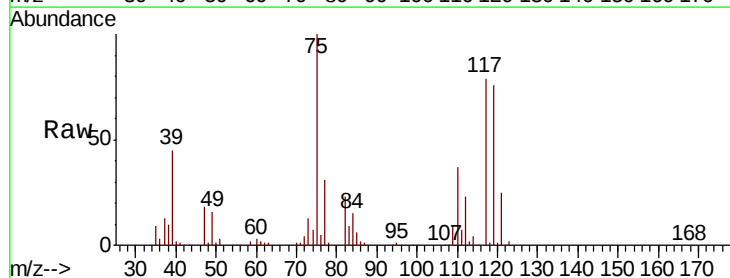
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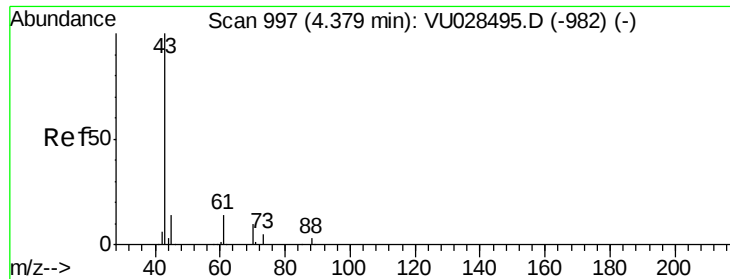
MMDadoda  
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#36  
 1,1-Dichloropropene  
 Concen: 44.237 ug/l  
 RT: 5.13 min Scan# 1232  
 Delta R.T. -0.00 min  
 Lab File: VU028930.D  
 Acq: 22 Dec 2018 21:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 36.5  | 16.1  | 48.2  |
| 77      | 31.3  | 24.5  | 36.7  |





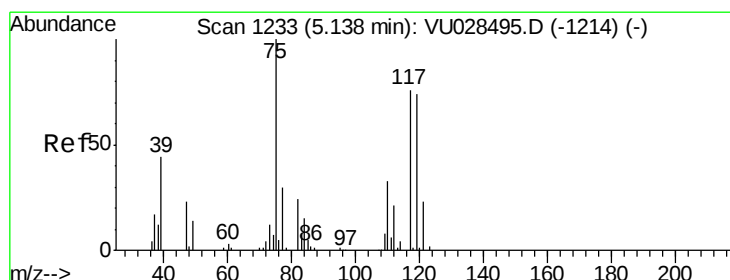
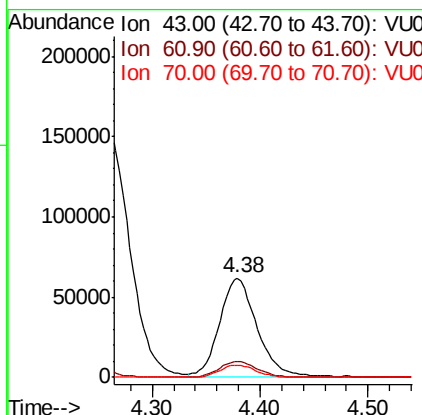
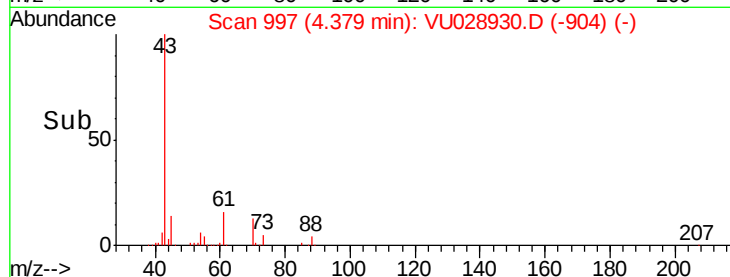
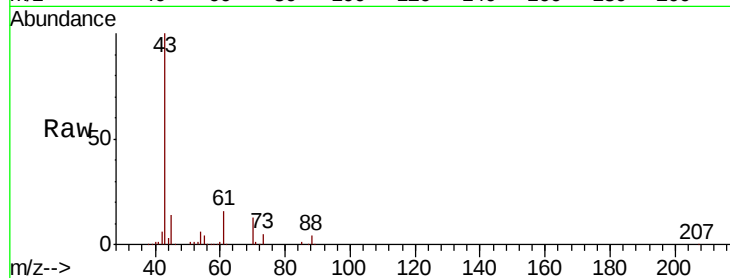
#37  
Ethyl Acetate  
Concen: 36.727 ug/l  
RT: 4.38 min Scan# 997  
Delta R.T. -0.00 min  
Lab File: VU028930.D  
Acq: 22 Dec 2018 21:27

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 16.5  | 11.0  | 16.4# |
| 70      | 12.3  | 7.4   | 11.0# |

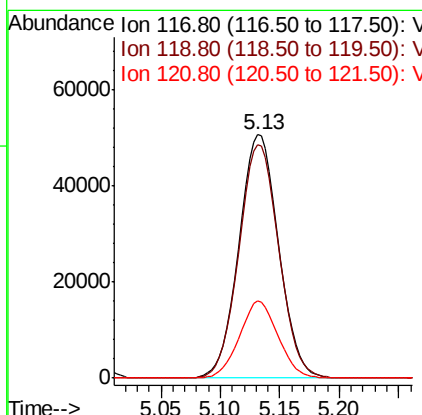
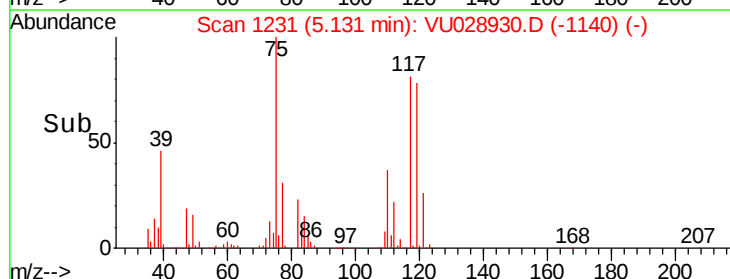
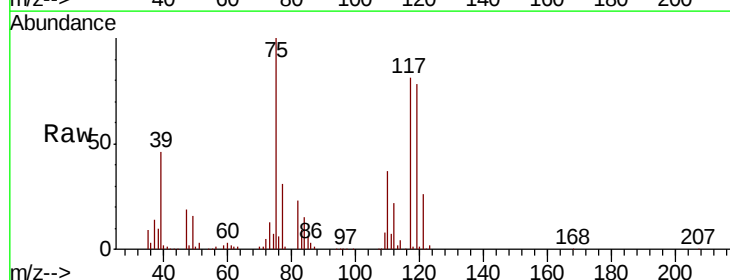
Manual Integrations  
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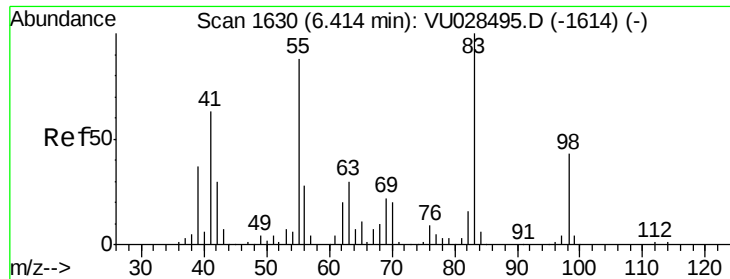
MMDadoda  
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#38  
Carbon Tetrachloride  
Concen: 46.788 ug/l  
RT: 5.13 min Scan# 1231  
Delta R.T. -0.01 min  
Lab File: VU028930.D  
Acq: 22 Dec 2018 21:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 95.9  | 77.6  | 116.4 |
| 121     | 31.7  | 24.6  | 36.8  |





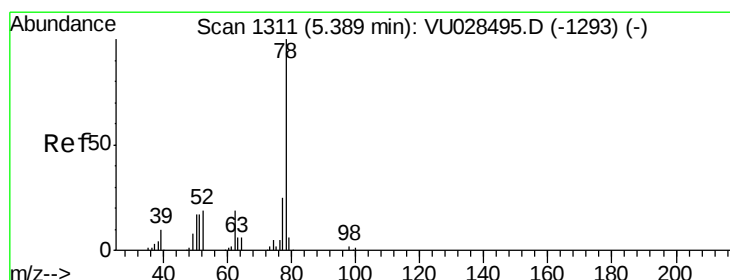
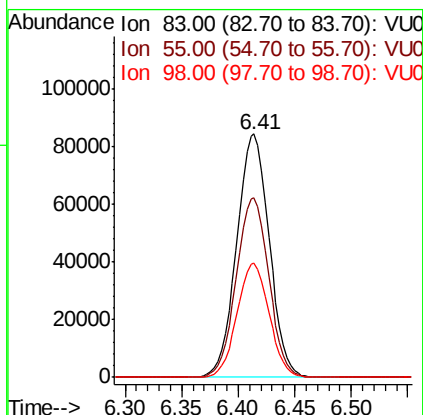
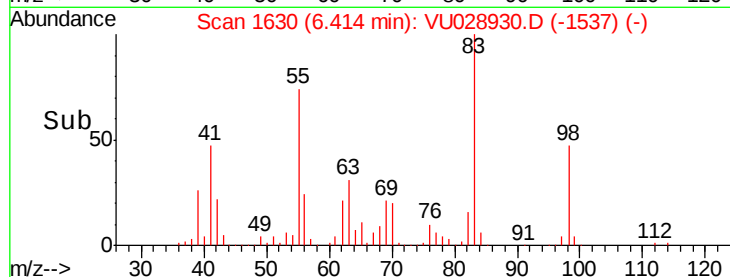
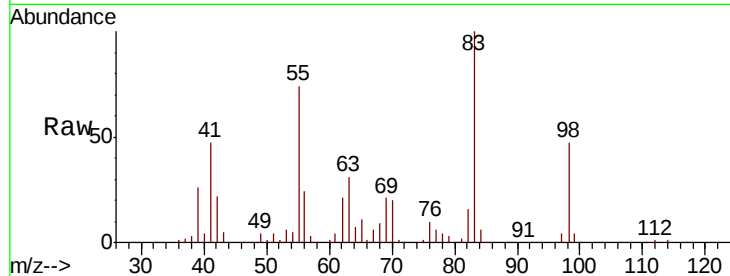
#39  
Methylvlcyclohexane  
Concen: 44.749 ug/l  
RT: 6.41 min Scan# 1630  
Delta R.T. -0.00 min  
Lab File: VU028930.D  
Acq: 22 Dec 2018 21:27

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion   | 83    | Resp  | 169480 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 55        | 73.6  | 70.2  | 105.2  |
| 98        | 47.0  | 34.2  | 51.4   |

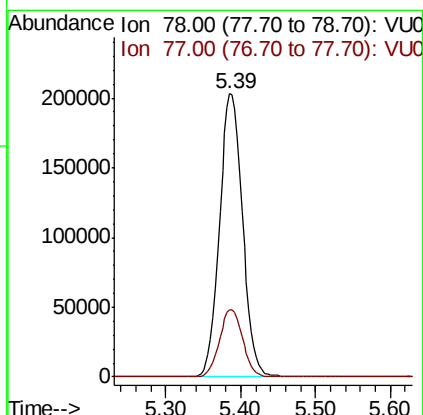
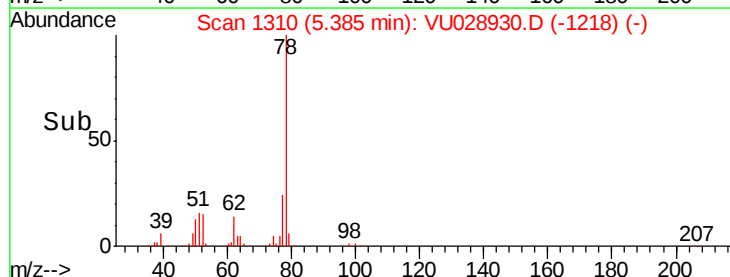
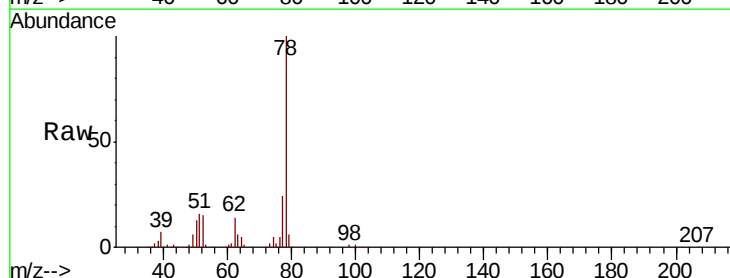
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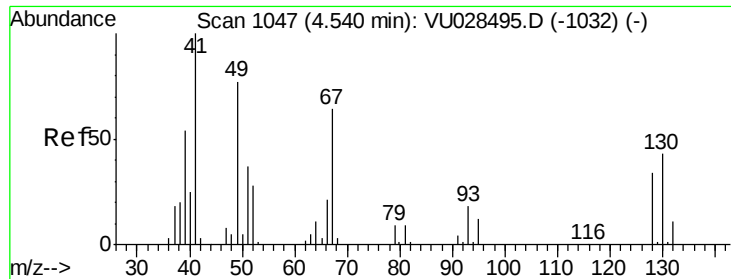
MMDadoda  
12/24/2018 11:49:14 AM



#40  
Benzene  
Concen: 47.306 ug/l  
RT: 5.39 min Scan# 1310  
Delta R.T. -0.00 min  
Lab File: VU028930.D  
Acq: 22 Dec 2018 21:27

| Tgt Ion   | 78    | Resp  | 432526 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 78        | 100   |       |        |
| 77        | 23.8  | 19.9  | 29.9   |





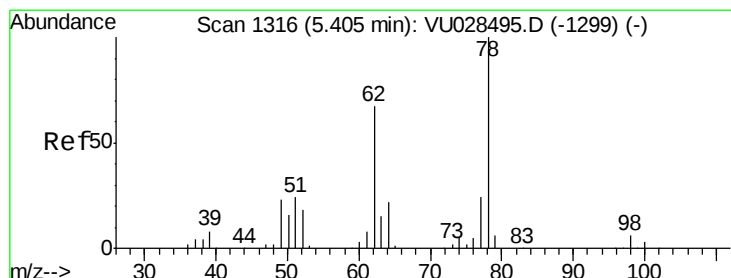
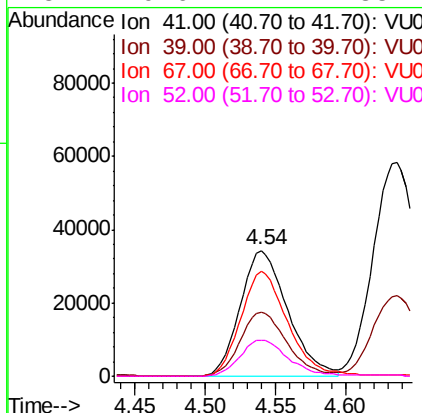
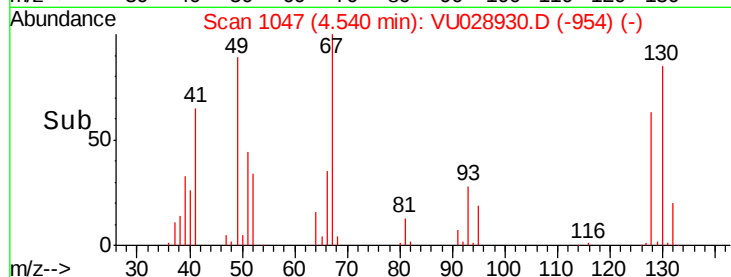
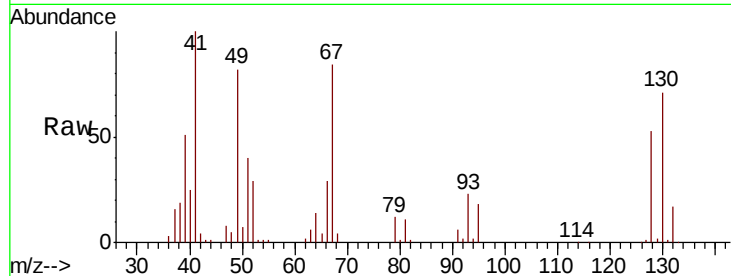
#41  
Methacrylonitrile  
Concen: 36.823 ug/l  
RT: 4.54 min Scan# 1047  
Delta R.T. -0.00 min  
Lab File: VU028930.D  
Acq: 22 Dec 2018 21:27

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 41      | 100  |       | 80927 |       |       |
| 39      | 50.1 | 43.3  | 64.9  |       |       |
| 67      | 83.4 | 53.6  | 80.4  |       |       |
| 52      | 29.6 | 22.1  | 33.1  |       |       |

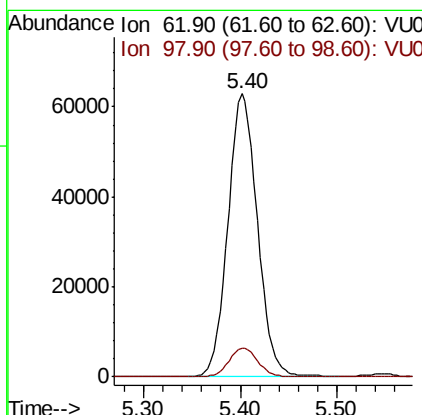
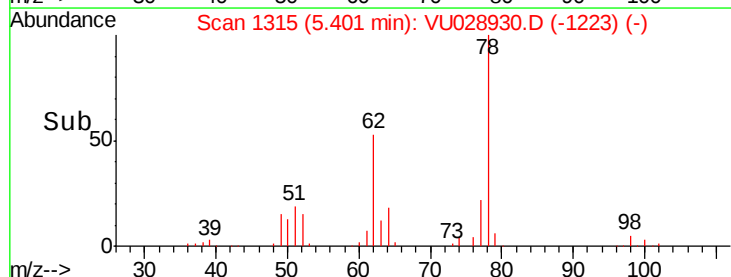
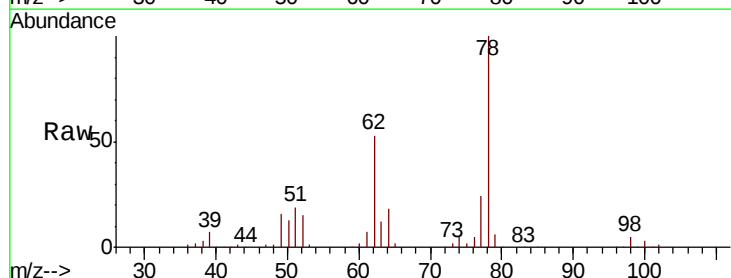
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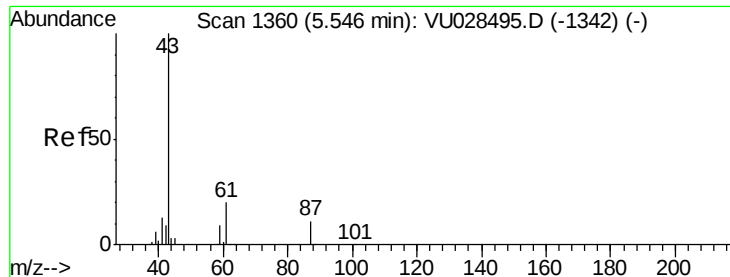
MMDadoda  
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#42  
1,2-Dichloroethane  
Concen: 41.692 ug/l  
RT: 5.40 min Scan# 1315  
Delta R.T. -0.00 min  
Lab File: VU028930.D  
Acq: 22 Dec 2018 21:27

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 62      | 100  |       | 133432 |       |       |
| 98      | 10.0 | 0.0   | 17.2   |       |       |





#43

Isopropyl Acetate

Concen: 37.399 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

Instrument :

MSVOA\_U

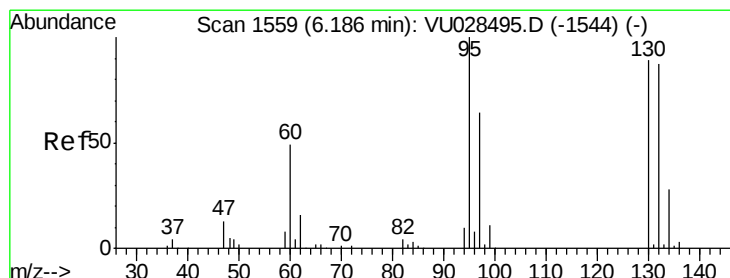
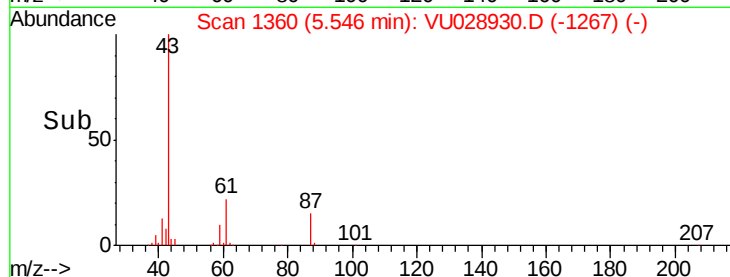
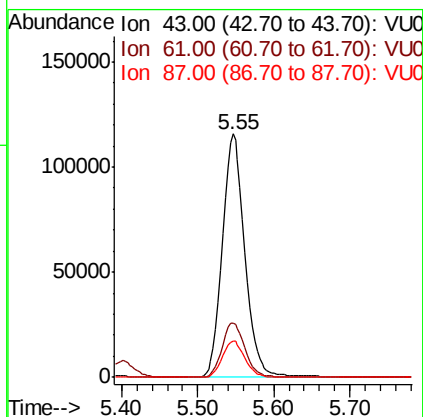
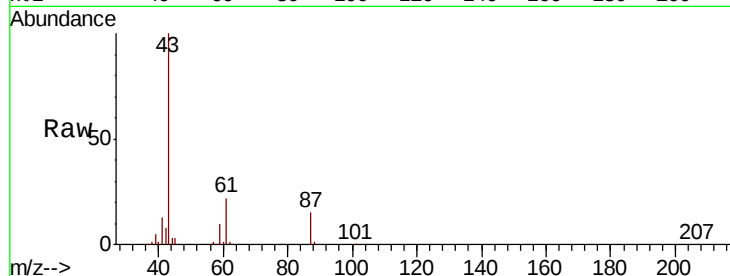
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 43    | Resp: | 237390 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 61        | 22.8  | 15.5  | 23.3   |
| 87        | 15.1  | 8.7   | 13.1   |

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#44

Trichloroethene

Concen: 53.613 ug/l

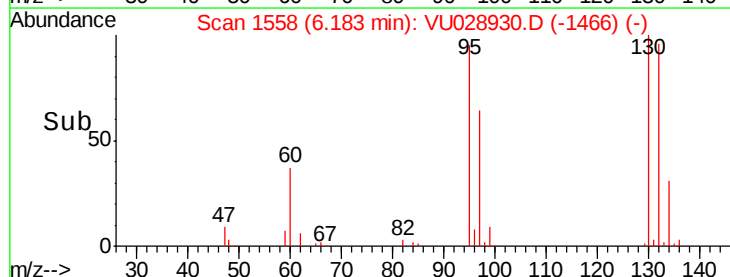
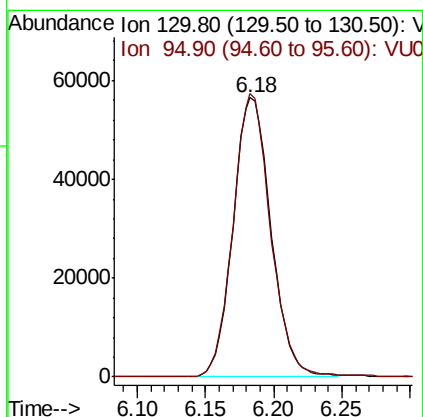
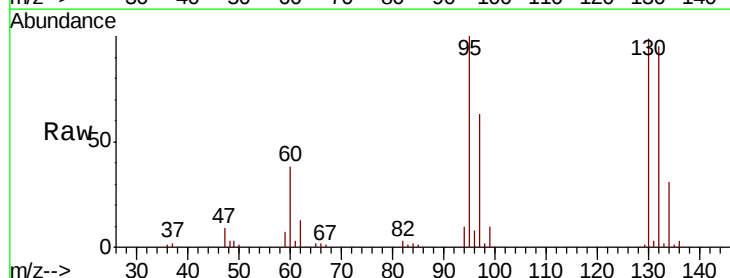
RT: 6.18 min Scan# 1558

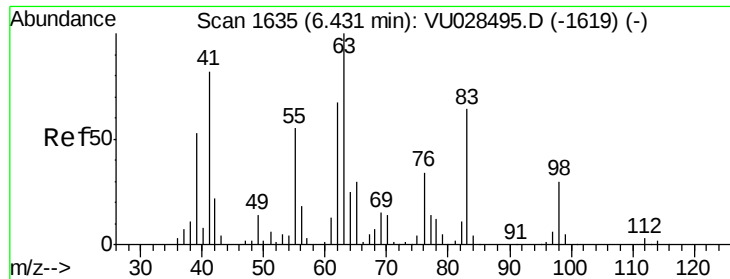
Delta R.T. -0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 130   | Resp: | 108994 |
| Ion Ratio | Lower | Upper |        |
| 130       | 100   |       |        |
| 95        | 101.3 | 0.0   | 224.0  |





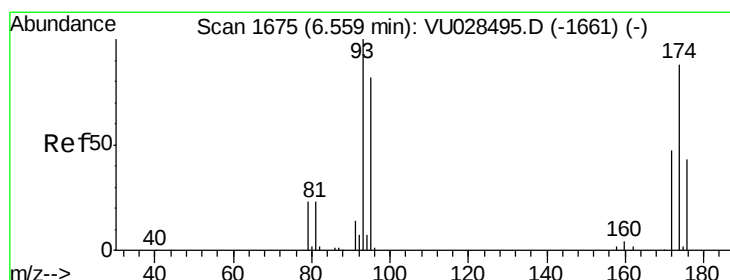
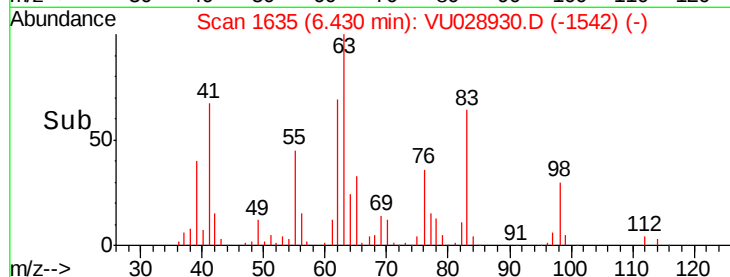
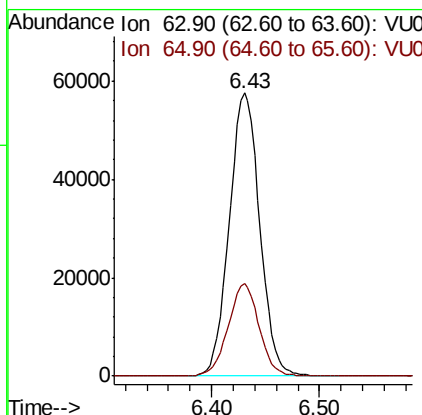
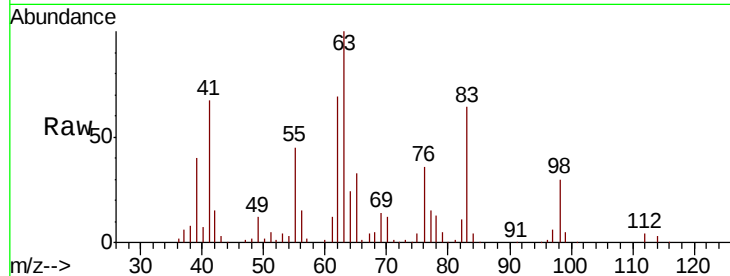
#45  
 1,2-Dichloropropane  
 Concen: 44.185 ug/l  
 RT: 6.43 min Scan# 1635  
 Delta R.T. -0.00 min  
 Lab File: VU028930.D  
 Acq: 22 Dec 2018 21:27

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 63 Resp: 113605  
 Ion Ratio Lower Upper  
 63 100  
 65 32.6 24.2 36.4

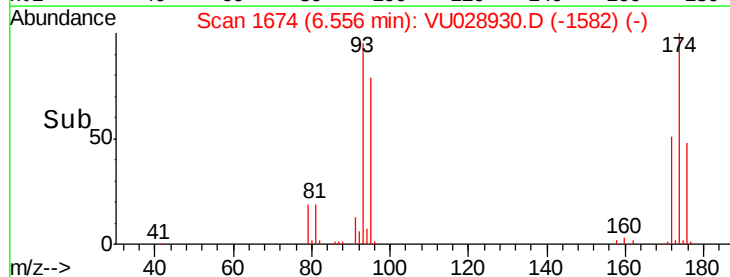
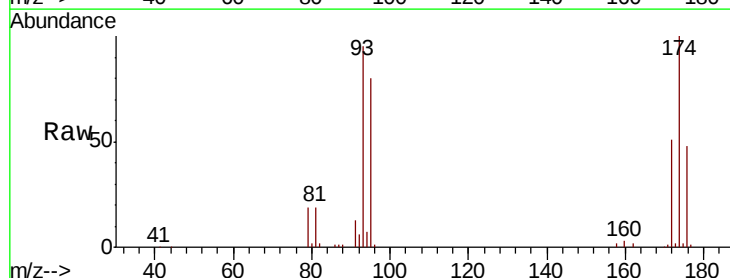
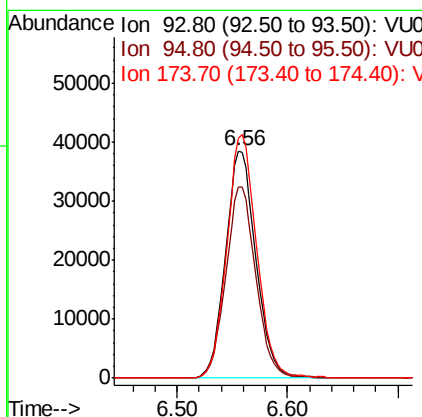
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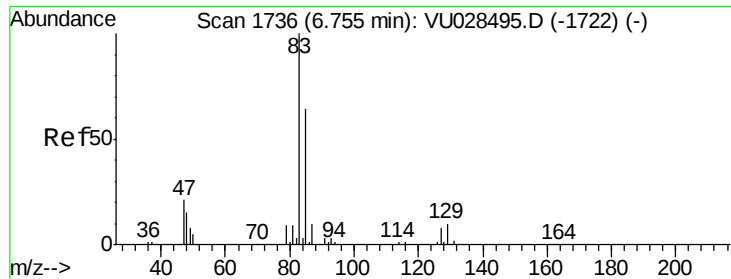
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#46  
 Dibromomethane  
 Concen: 48.189 ug/l  
 RT: 6.56 min Scan# 1674  
 Delta R.T. -0.00 min  
 Lab File: VU028930.D  
 Acq: 22 Dec 2018 21:27

Tgt Ion: 93 Resp: 73513  
 Ion Ratio Lower Upper  
 93 100  
 95 83.3 65.4 98.2  
 174 105.3 72.2 108.4





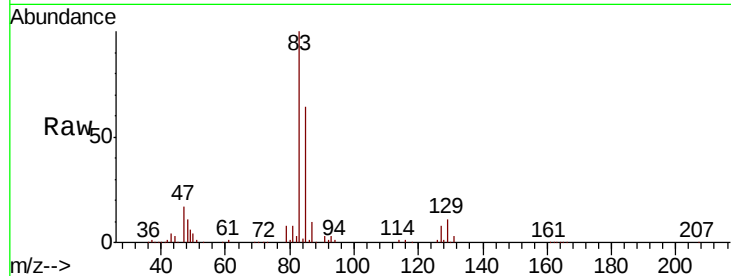
#47  
Bromodichloromethane  
Concen: 45.097 ug/l  
RT: 6.76 min Scan# 1736  
Delta R.T. -0.00 min  
Lab File: VU028930.D  
Acq: 22 Dec 2018 21:27

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

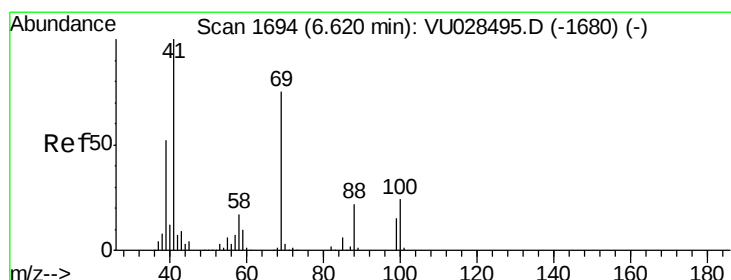
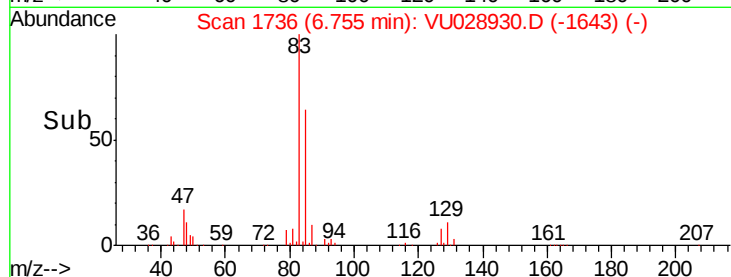
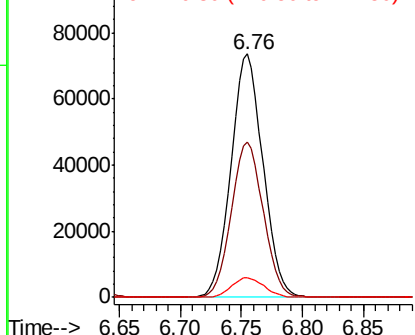
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 63.7  | 51.5  | 77.3  |
| 127     | 8.2   | 6.2   | 9.4   |

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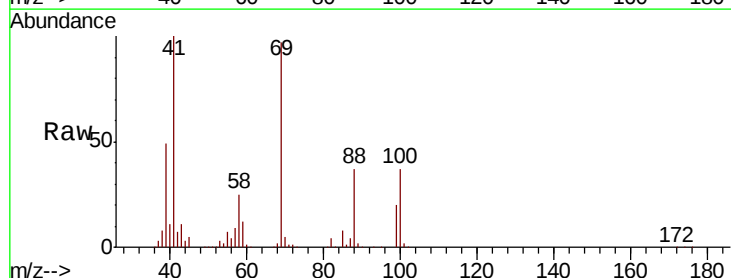


Abundance Ion 82.90 (82.60 to 83.60): VU028495.D (-1722) (-)  
Ion 84.90 (84.60 to 85.60): VU028495.D (-1722) (-)  
Ion 126.80 (126.50 to 127.50): VU028495.D (-1722) (-)

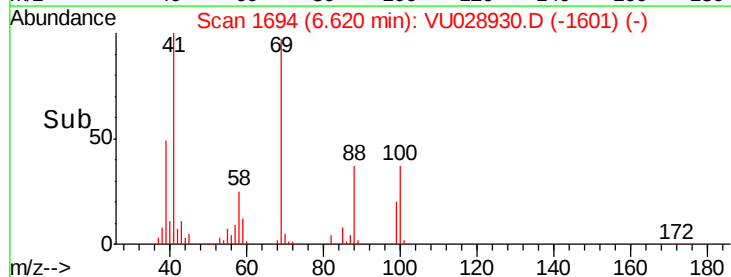
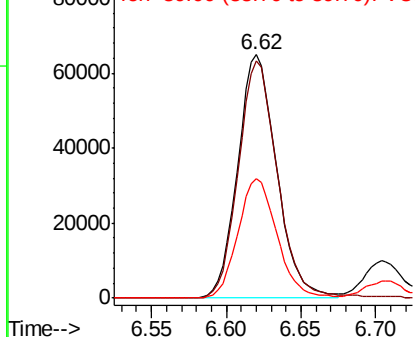


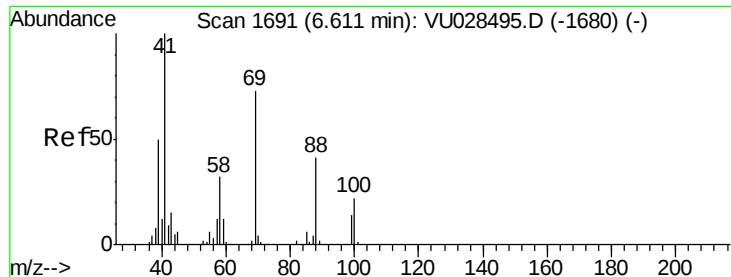
#48  
Methyl methacrylate  
Concen: 37.257 ug/l  
RT: 6.62 min Scan# 1694  
Delta R.T. -0.00 min  
Lab File: VU028930.D  
Acq: 22 Dec 2018 21:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 69      | 98.4  | 60.4  | 90.6# |
| 39      | 49.3  | 41.1  | 61.7  |



Abundance Ion 41.00 (40.70 to 41.70): VU028495.D (-1680) (-)  
Ion 69.00 (68.70 to 69.70): VU028495.D (-1680) (-)  
Ion 39.00 (38.70 to 39.70): VU028495.D (-1680) (-)





#49

1,4-Dioxane

Concen: 1133.242 ug/l

RT: 6.61 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

Instrument :

MSVOA\_U

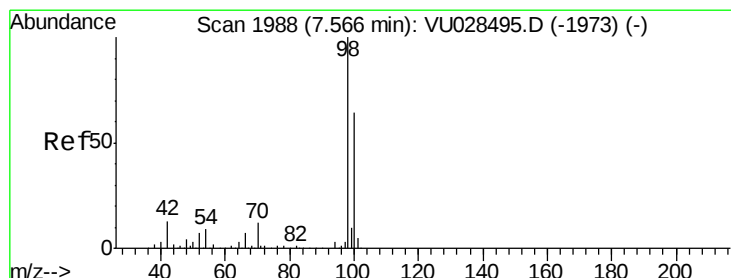
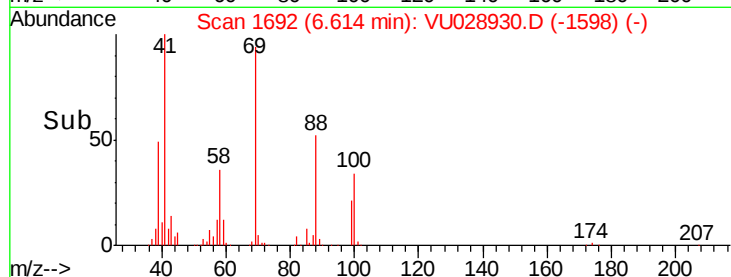
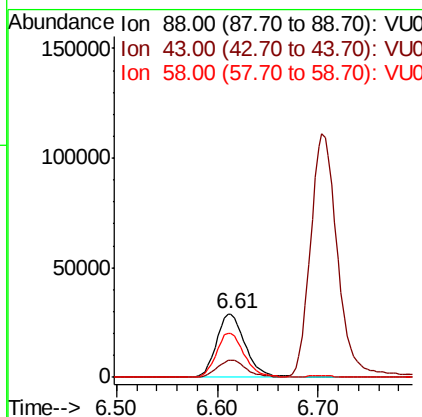
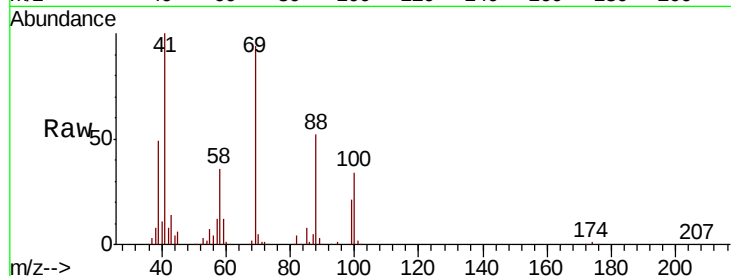
ClientSampleId :

VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 28.1  | 30.9  | 46.3# |
| 58      | 69.0  | 62.4  | 93.6  |

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#50

Toluene-d8

Concen: 49.643 ug/l

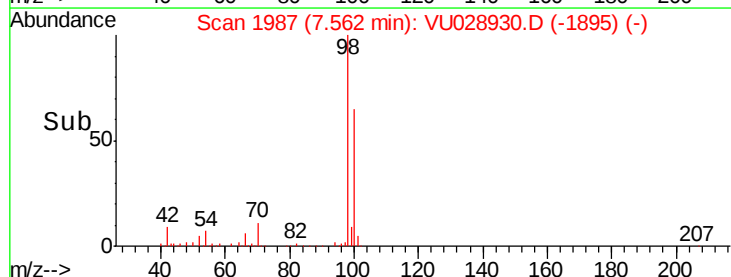
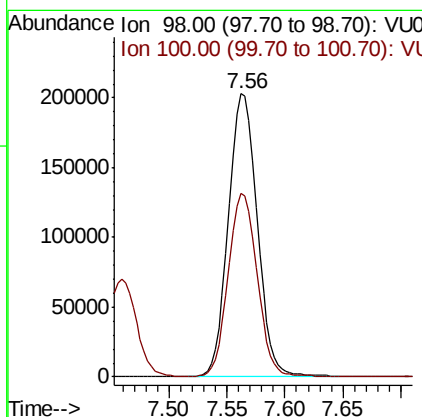
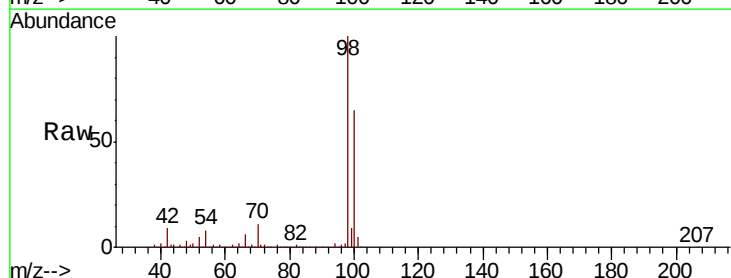
RT: 7.56 min Scan# 1987

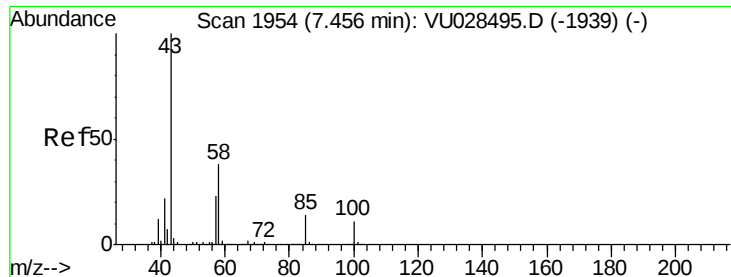
Delta R.T. -0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.6  | 51.0  | 76.6  |





#51

4-Methyl-2-Pentanone

Concen: 185.637 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 743182

Ion Ratio Lower Upper

43 100

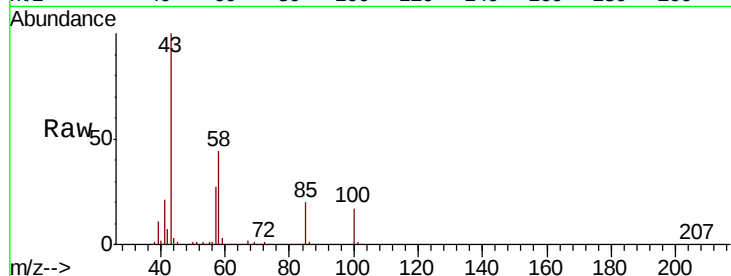
58 44.2 30.2 45.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU028495.D (-1939) (-)

7.46

400000

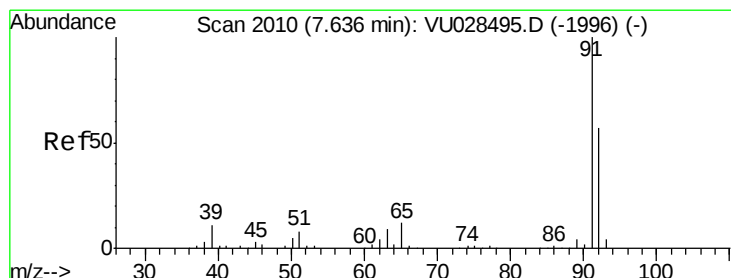
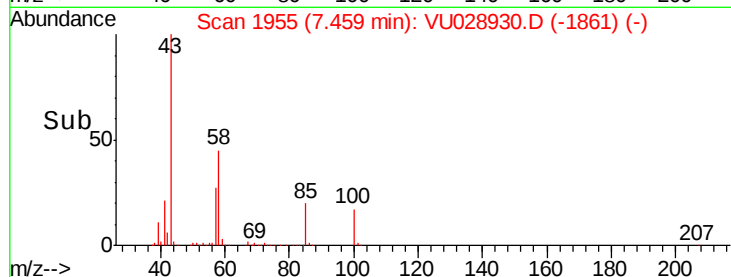
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.698 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028930.D

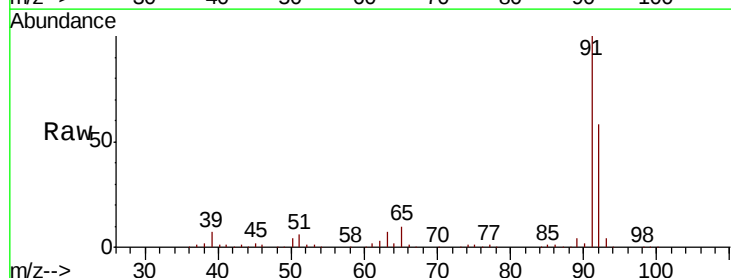
Acq: 22 Dec 2018 21:27

Tgt Ion: 92 Resp: 272801

Ion Ratio Lower Upper

92 100

91 173.5 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU028495.D (-1996) (-)

Ion 91.00 (90.70 to 91.70): VU028495.D (-1996) (-)

7.64

300000

250000

200000

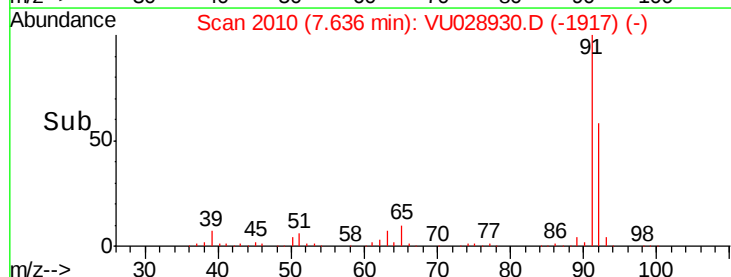
150000

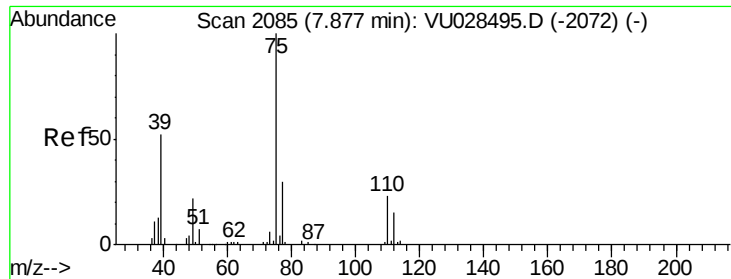
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 45.133 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. -0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 159570

Ion Ratio Lower Upper

75 100

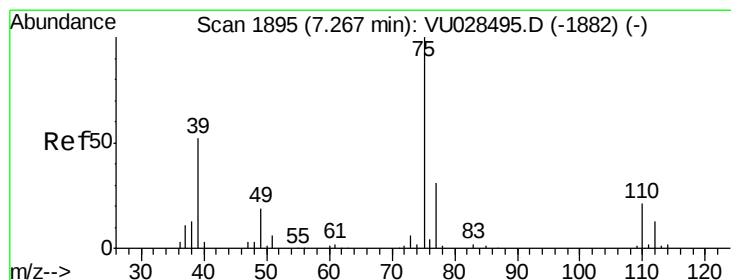
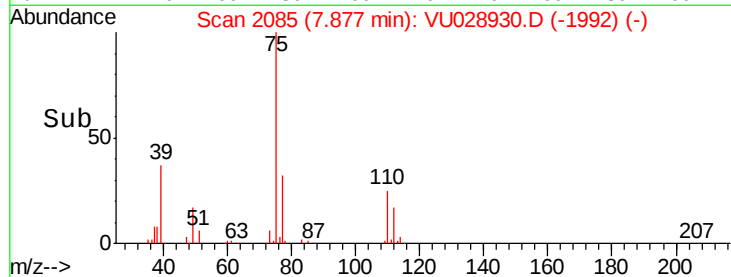
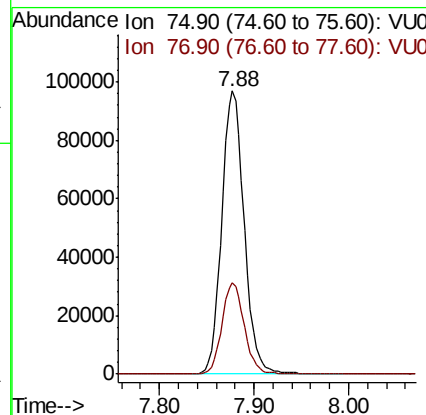
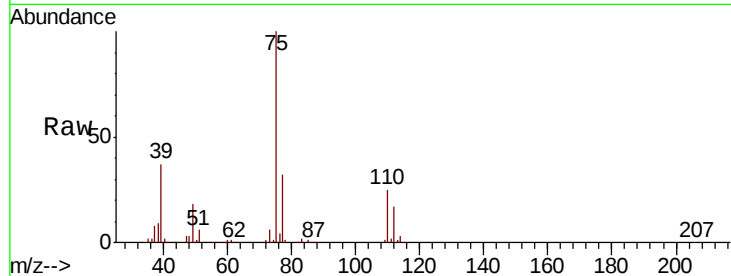
77 32.1 24.2 36.4

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 45.394 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. -0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

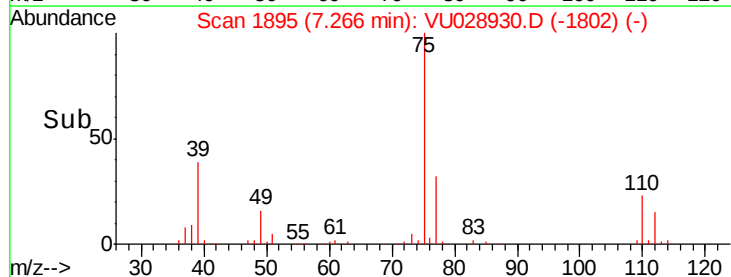
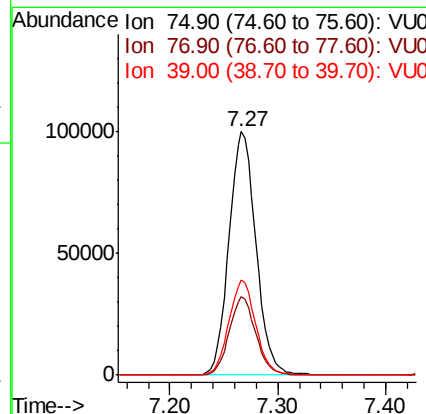
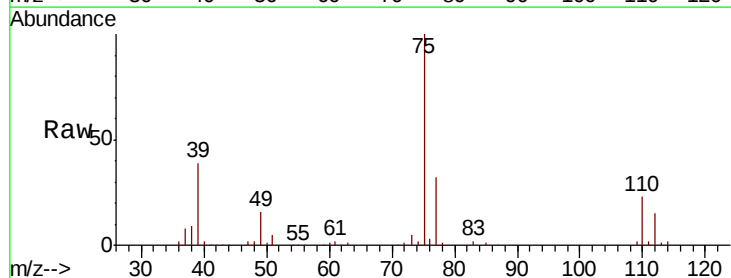
Tgt Ion: 75 Resp: 174122

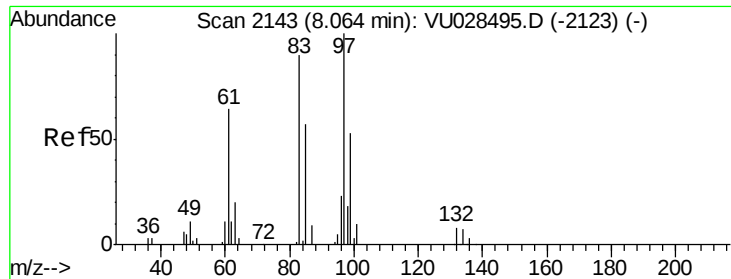
Ion Ratio Lower Upper

75 100

77 32.0 25.0 37.4

39 39.1 41.3 61.9#





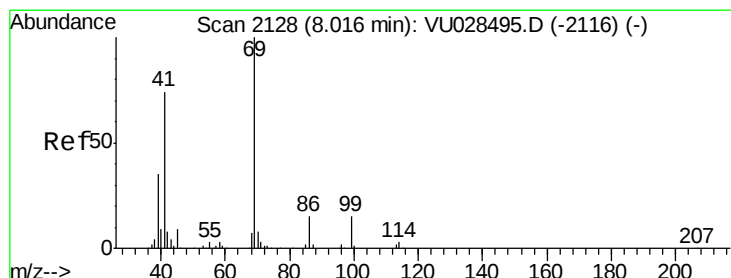
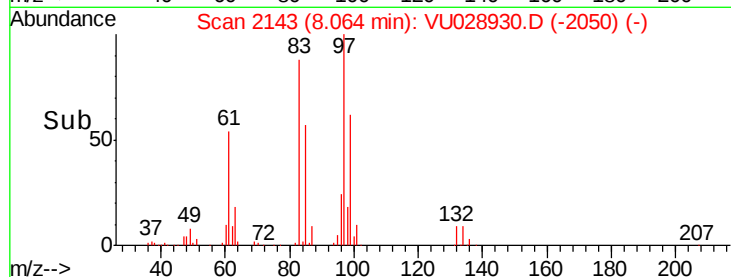
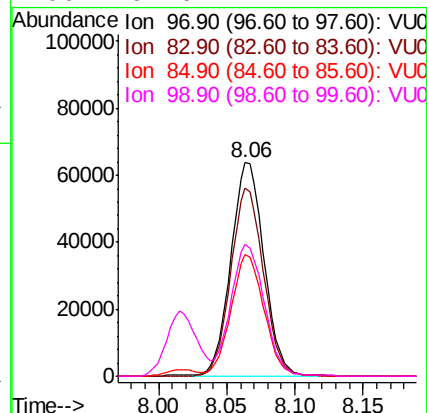
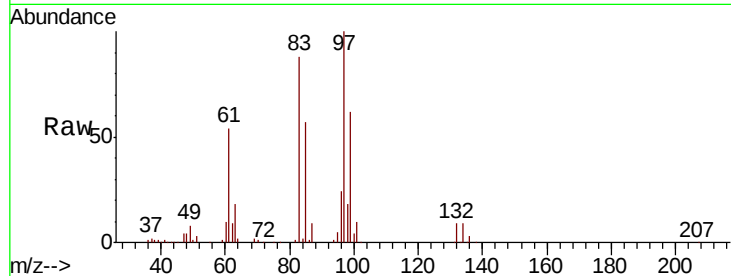
#55  
 1,1,2-Trichloroethane  
 Concen: 50.407 ug/l  
 RT: 8.06 min Scan# 2143  
 Delta R.T. -0.00 min  
 Lab File: VU028930.D  
 Acq: 22 Dec 2018 21:27

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 97      | 100  |       | 107218 |       |       |
| 83      | 87.9 | 72.4  | 108.6  |       |       |
| 85      | 57.0 | 46.0  | 69.0   |       |       |
| 99      | 61.6 | 47.4  | 71.2   |       |       |

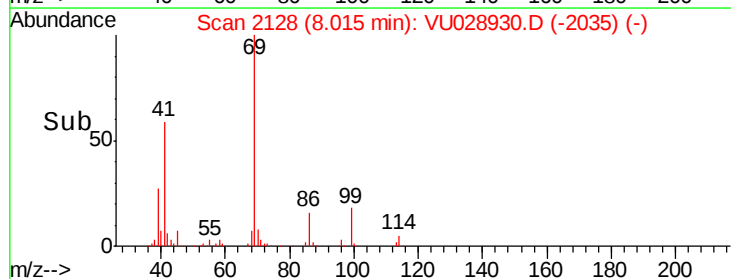
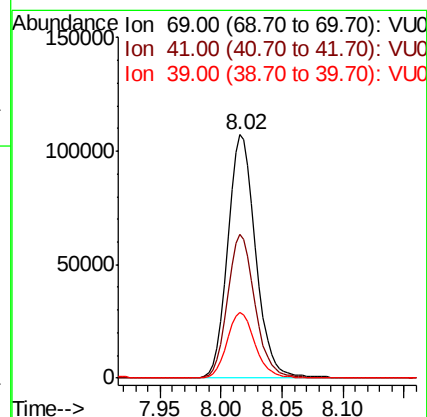
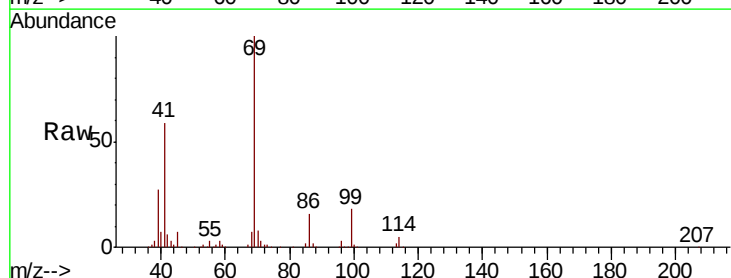
Manual Integrations  
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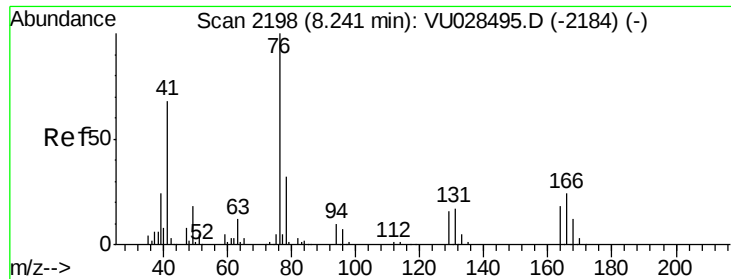
MMDadoda  
 12/24/2018 11:49:14 AM



#56  
 Ethyl methacrylate  
 Concen: 47.407 ug/l  
 RT: 8.02 min Scan# 2128  
 Delta R.T. -0.00 min  
 Lab File: VU028930.D  
 Acq: 22 Dec 2018 21:27

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 69      | 100  |       | 172679 |       |       |
| 41      | 58.4 | 59.1  | 88.7#  |       |       |
| 39      | 26.8 | 28.4  | 42.6#  |       |       |





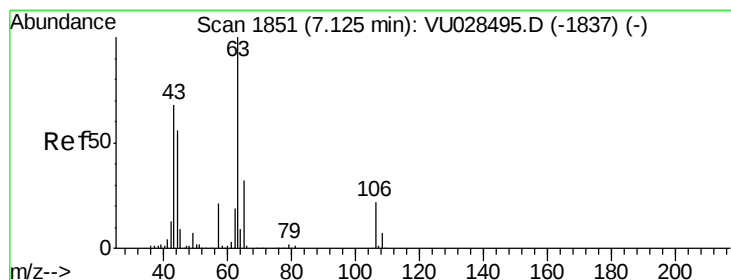
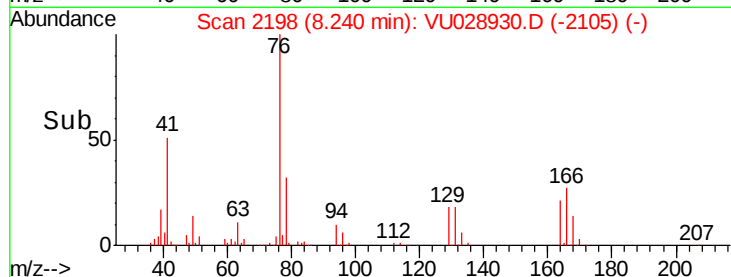
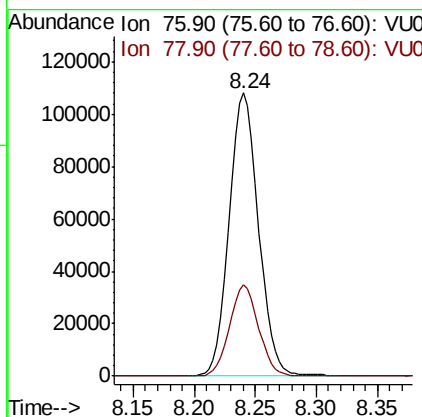
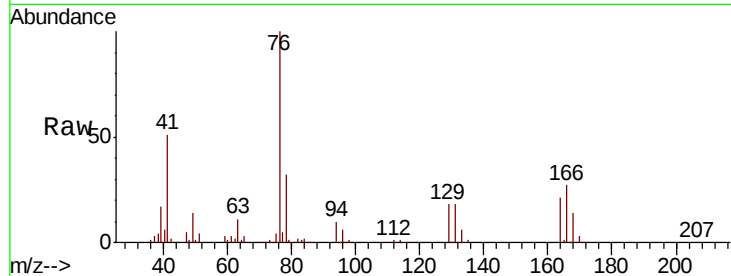
#57  
 1,3-Dichloropropane  
 Concen: 46.096 ug/l  
 RT: 8.24 min Scan# 2198  
 Delta R.T. -0.00 min  
 Lab File: VU028930.D  
 Acq: 22 Dec 2018 21:27

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 76 Resp: 182007  
 Ion Ratio Lower Upper  
 76 100  
 78 31.7 25.2 37.8

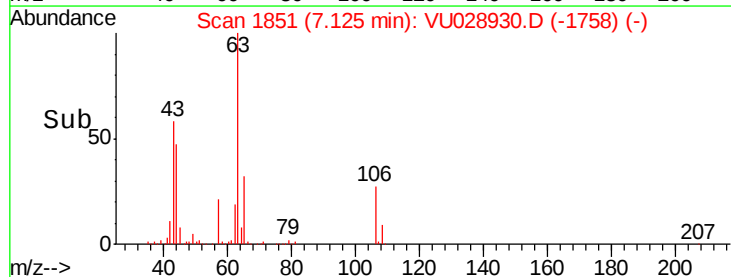
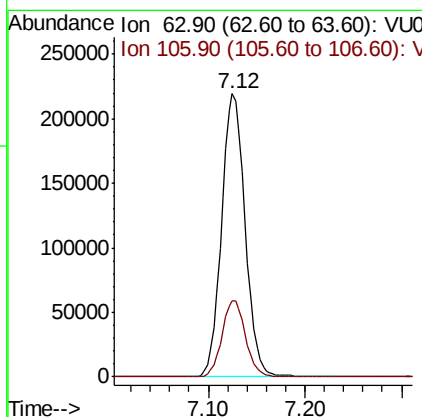
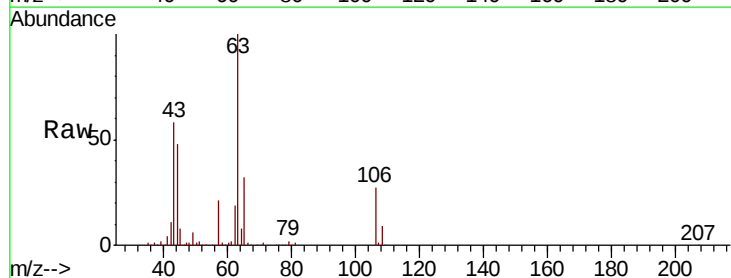
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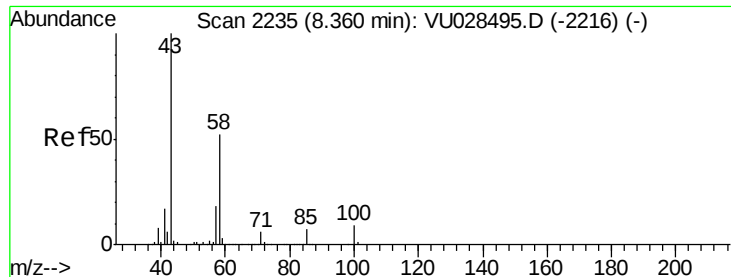
MMDadoda  
 12/24/2018 11:49:14 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 198.309 ug/l  
 RT: 7.12 min Scan# 1851  
 Delta R.T. -0.00 min  
 Lab File: VU028930.D  
 Acq: 22 Dec 2018 21:27

Tgt Ion: 63 Resp: 369980  
 Ion Ratio Lower Upper  
 63 100  
 106 27.0 17.8 26.6#





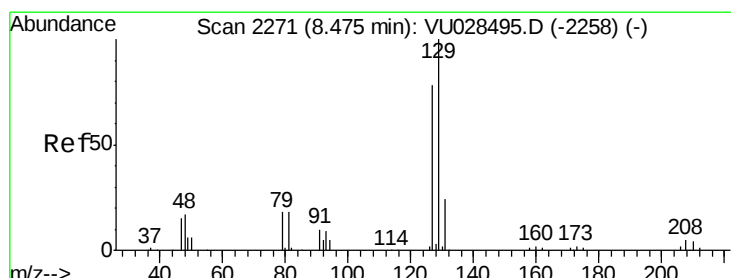
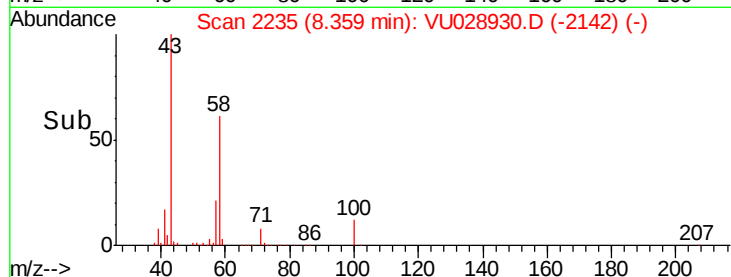
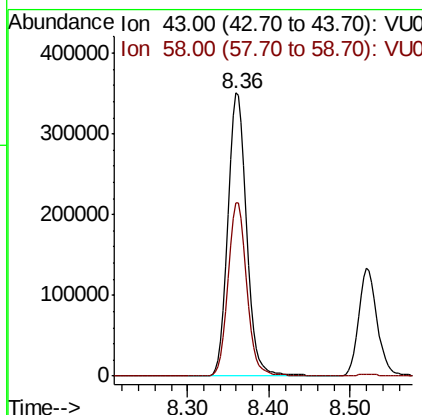
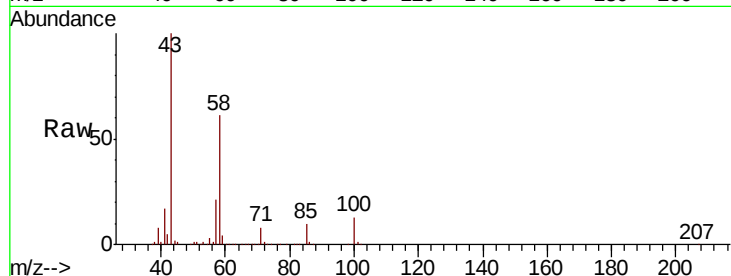
#59  
2-Hexanone  
Concen: 180.949 ug/l  
RT: 8.36 min Scan# 2235  
Delta R.T. -0.00 min  
Lab File: VU028930.D  
Acq: 22 Dec 2018 21:27

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 61.3  | 25.9  | 77.6  |

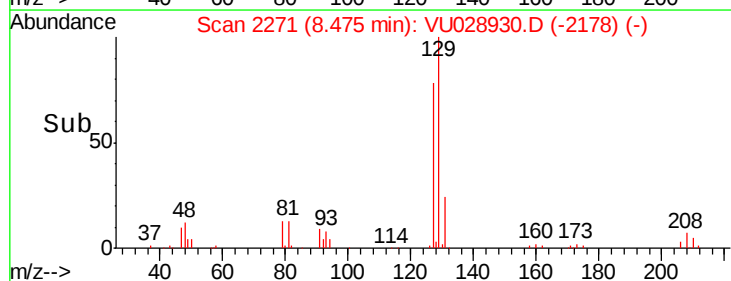
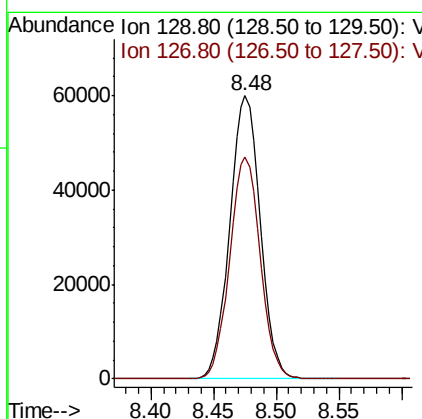
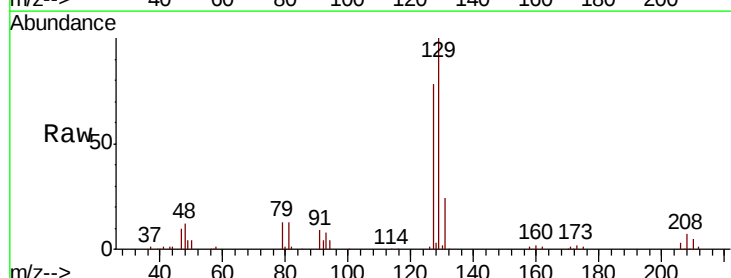
Manual Integrations  
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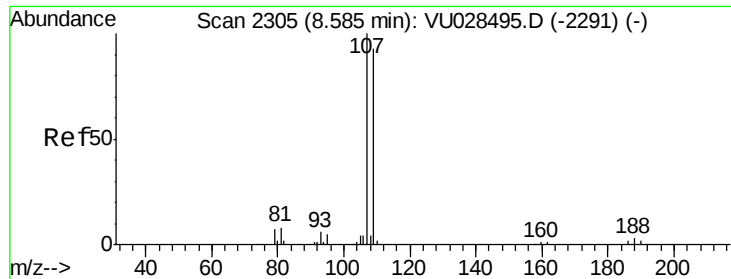
MMDadoda  
12/24/2018 11:49:14 AM



#60  
Dibromochloromethane  
Concen: 48.652 ug/l  
RT: 8.48 min Scan# 2271  
Delta R.T. -0.00 min  
Lab File: VU028930.D  
Acq: 22 Dec 2018 21:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 129     | 100   |       |       |
| 127     | 78.5  | 39.1  | 117.3 |





#61

1,2-Dibromoethane

Concen: 52.186 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 116404

Ion Ratio Lower Upper

107 100

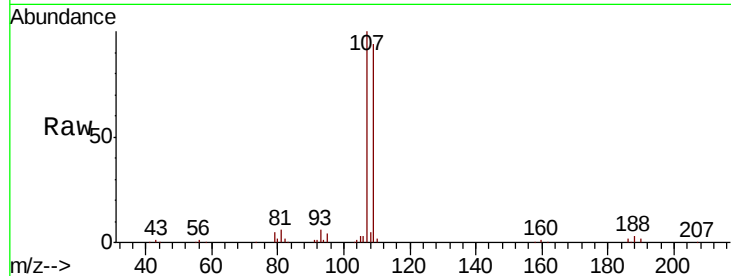
109 94.1 74.5 111.7

Manual Integrations

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MMDadoda

12/24/2018 11:49:14 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.58

60000

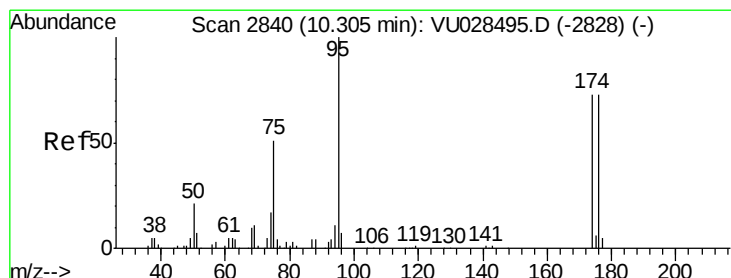
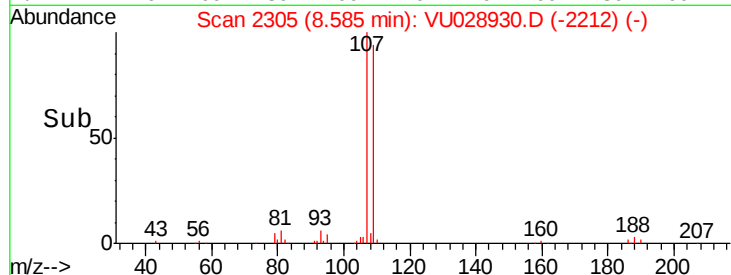
40000

20000

0

8.50 8.55 8.60 8.65 8.70

Time-->



#62

4-Bromofluorobenzene

Concen: 49.852 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

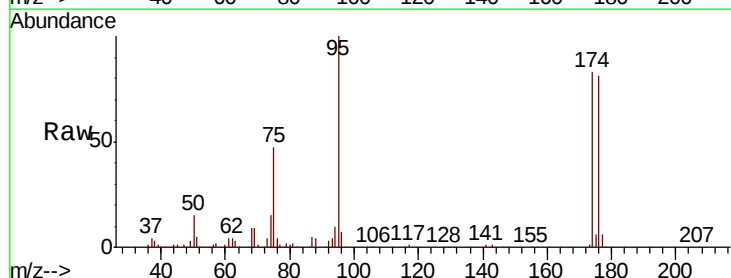
Tgt Ion: 95 Resp: 131592

Ion Ratio Lower Upper

95 100

174 84.3 0.0 150.4

176 82.6 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

10.30

100000

80000

60000

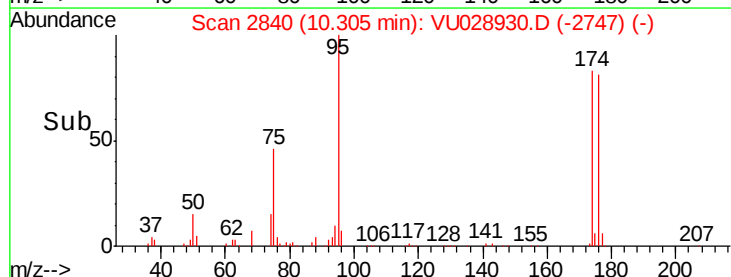
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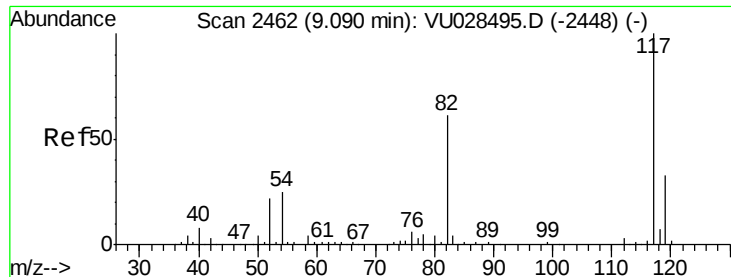
20000

0

10.30 10.40

Time-->





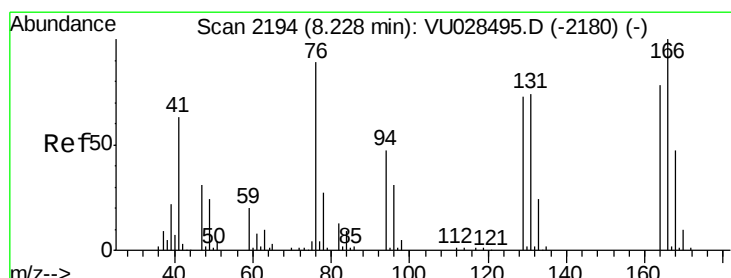
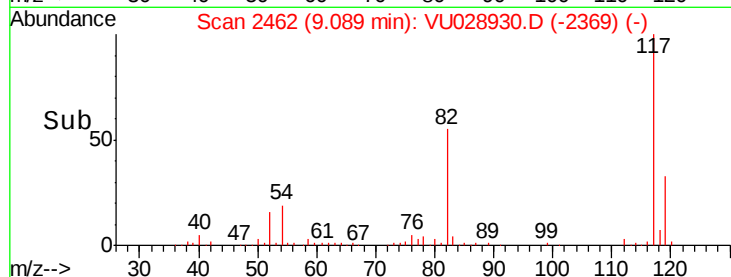
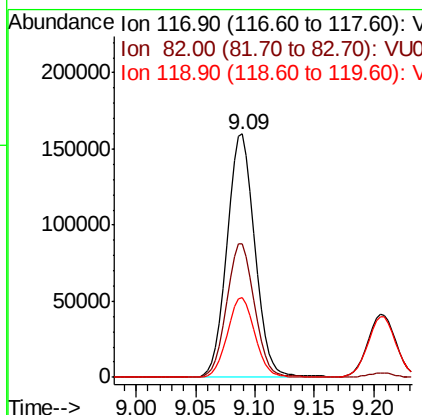
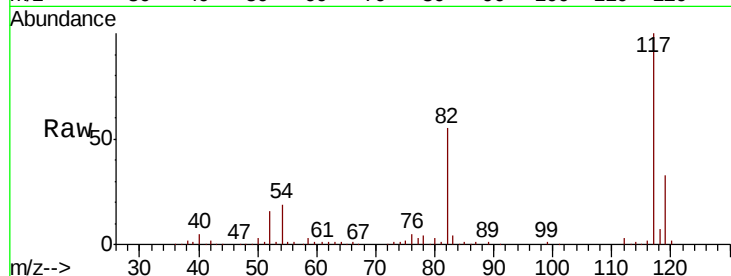
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.09 min Scan# 2462  
Delta R.T. -0.00 min  
Lab File: VU028930.D  
Acq: 22 Dec 2018 21:27

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 54.9  | 48.9  | 73.3  |
| 119     | 32.7  | 26.2  | 39.4  |

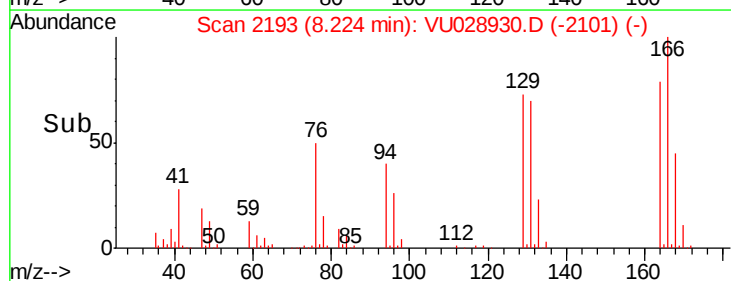
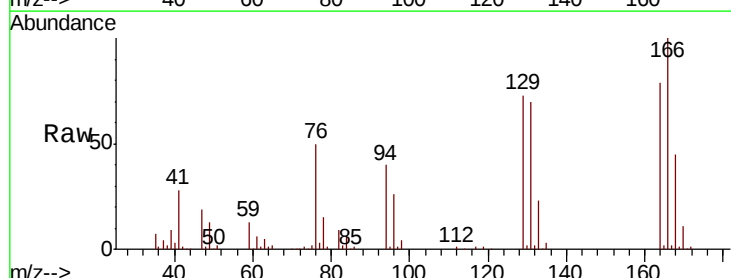
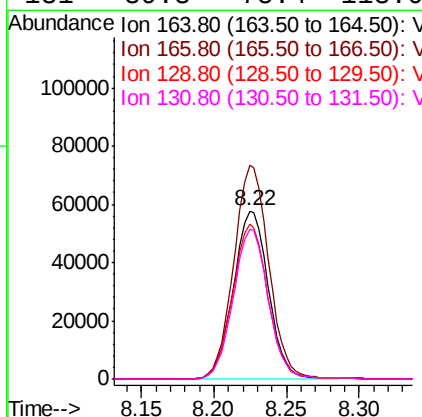
Manual Integrations  
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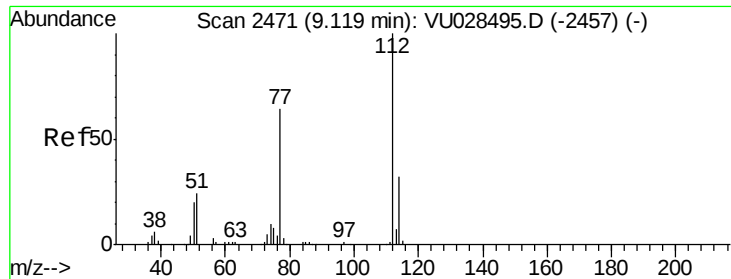
MMDadoda  
12/24/2018 11:49:14 AM



#64  
Tetrachloroethene  
Concen: 55.878 ug/l  
RT: 8.22 min Scan# 2193  
Delta R.T. -0.00 min  
Lab File: VU028930.D  
Acq: 22 Dec 2018 21:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 127.0 | 101.9 | 152.9 |
| 129     | 92.1  | 74.9  | 112.3 |
| 131     | 89.3  | 75.4  | 113.0 |





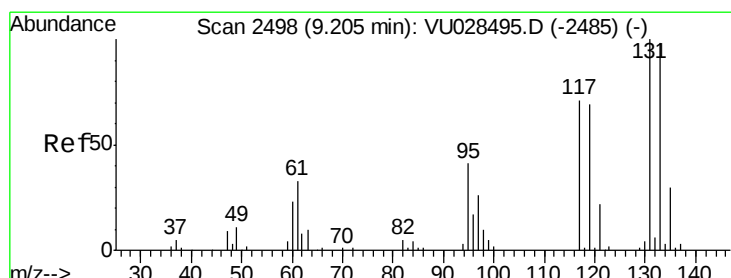
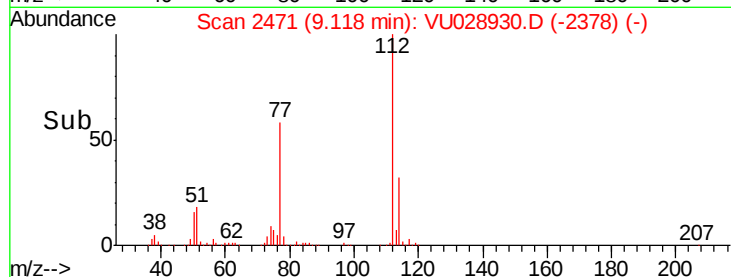
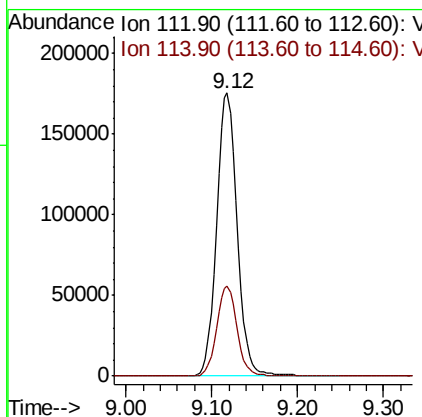
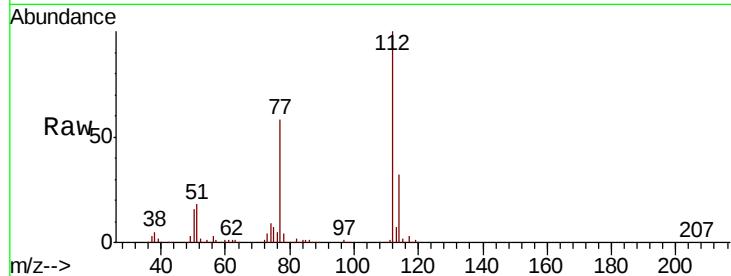
#65  
Chlorobenzene  
Concen: 52.654 ug/l  
RT: 9.12 min Scan# 2471  
Delta R.T. -0.00 min  
Lab File: VU028930.D  
Acq: 22 Dec 2018 21:27

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 112     | 100   | 291820 |       |       |
| 114     | 31.9  | 25.3   | 37.9  |       |

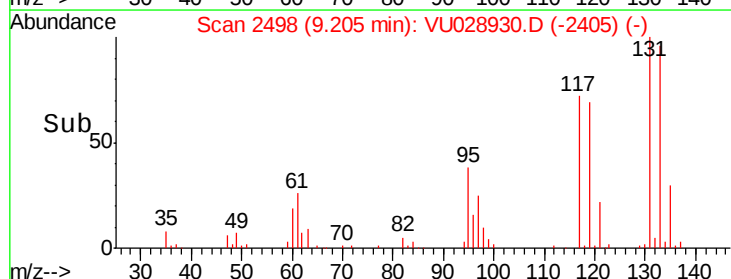
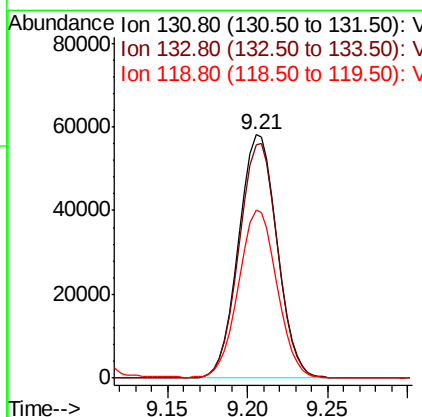
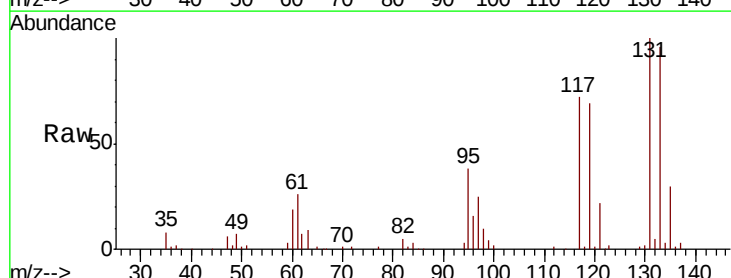
Manual Integrations  
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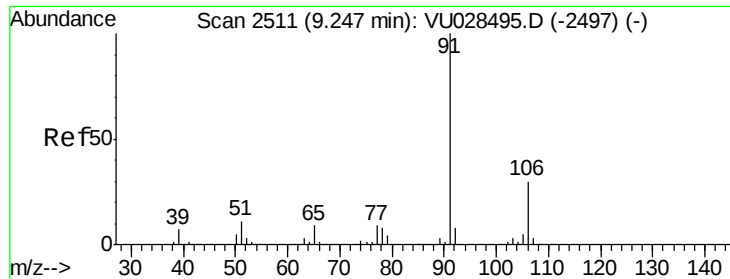
MMDadoda  
12/24/2018 11:49:14 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 53.938 ug/l  
RT: 9.21 min Scan# 2498  
Delta R.T. -0.00 min  
Lab File: VU028930.D  
Acq: 22 Dec 2018 21:27

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 131     | 100   | 95460 |       |       |
| 133     | 96.4  | 48.0  | 144.0 |       |
| 119     | 69.1  | 34.6  | 103.9 |       |





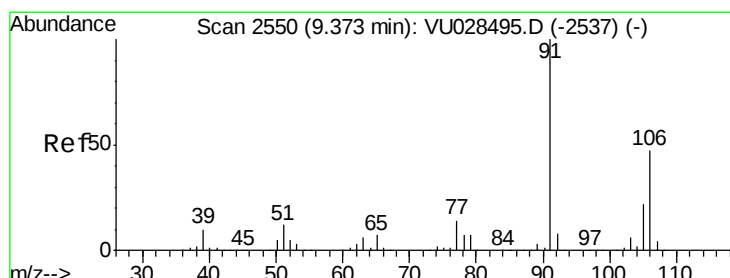
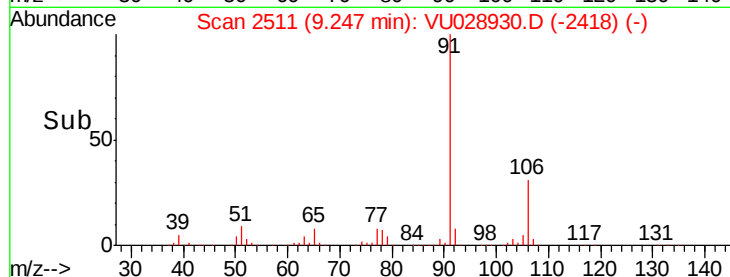
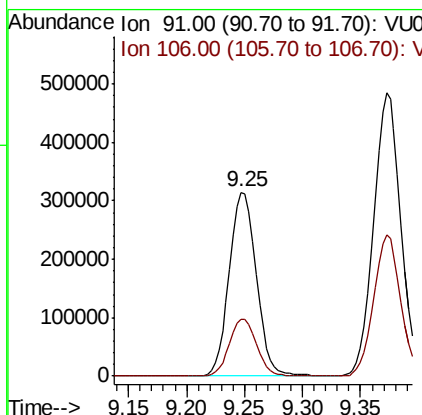
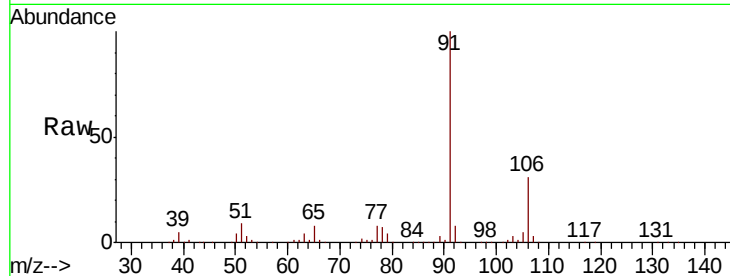
#67  
Ethyl Benzene  
Concen: 50.306 ug/l  
RT: 9.25 min Scan# 2511  
Delta R.T. -0.00 min  
Lab File: VU028930.D  
Acq: 22 Dec 2018 21:27

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 91 Resp: 512534  
Ion Ratio Lower Upper  
91 100  
106 31.1 24.1 36.1

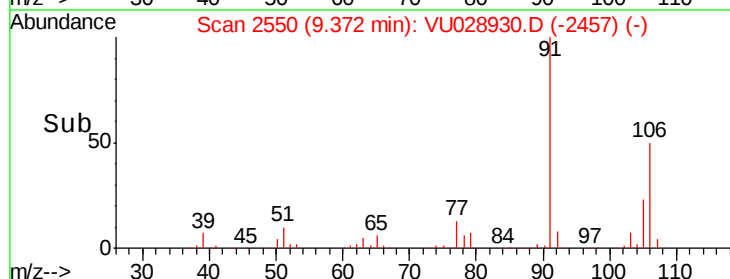
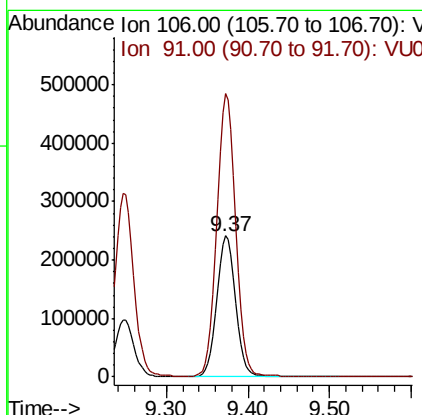
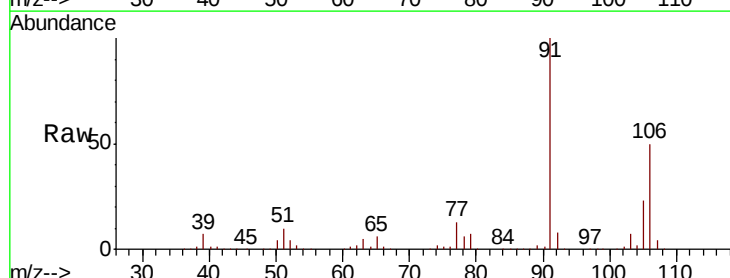
Manual Integrations  
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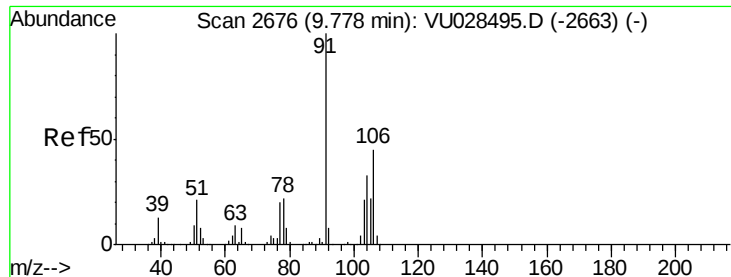
MMDadoda  
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#68  
m/p-Xylenes  
Concen: 106.819 ug/l  
RT: 9.37 min Scan# 2550  
Delta R.T. -0.00 min  
Lab File: VU028930.D  
Acq: 22 Dec 2018 21:27

Tgt Ion: 106 Resp: 396010  
Ion Ratio Lower Upper  
106 100  
91 201.5 167.4 251.0





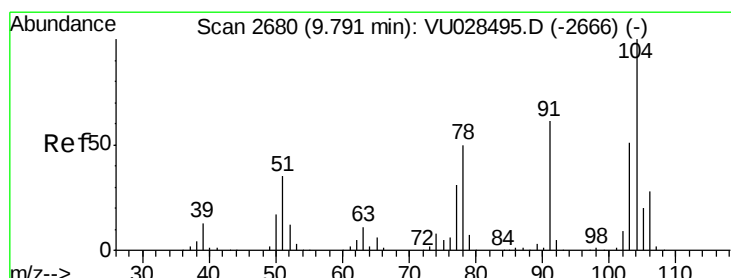
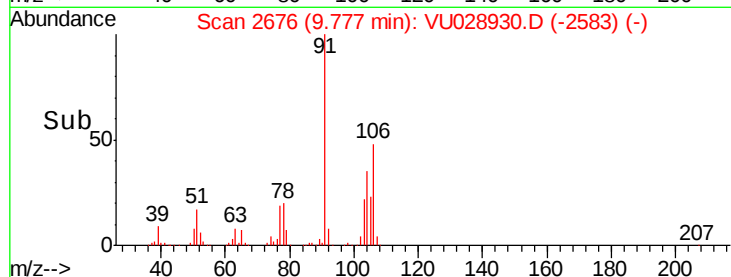
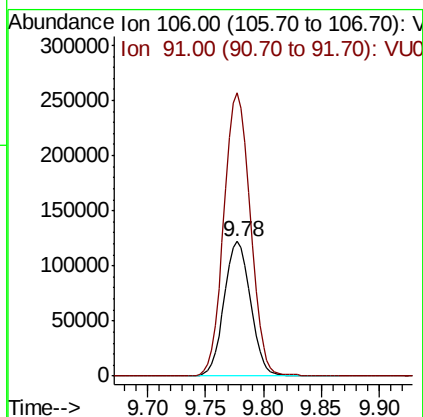
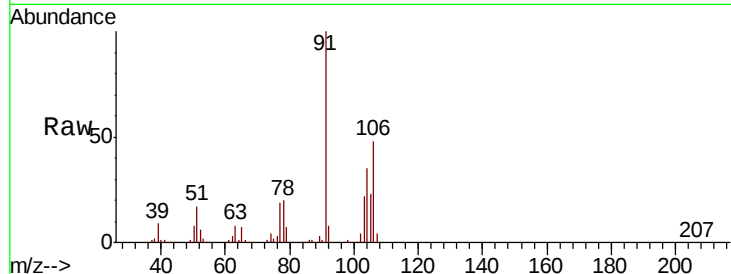
#69  
o-Xylene  
Concen: 53.537 ug/l  
RT: 9.78 min Scan# 2676  
Delta R.T. -0.00 min  
Lab File: VU028930.D  
Acq: 22 Dec 2018 21:27

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 106     | 100   |       | 192882 |       |       |
| 91      | 211.2 | 111.3 | 334.0  |       |       |

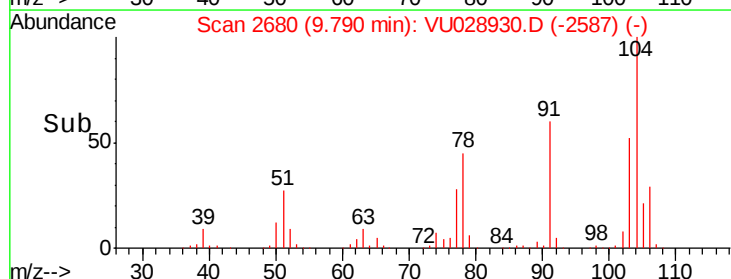
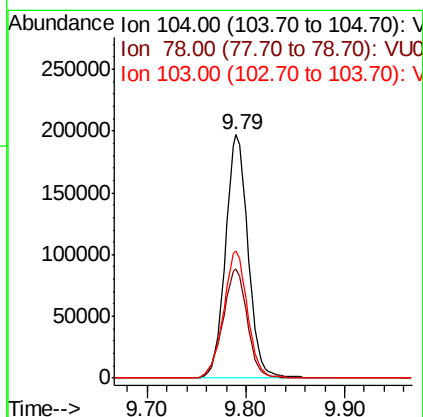
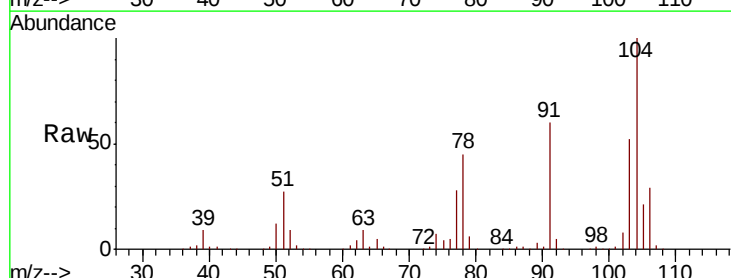
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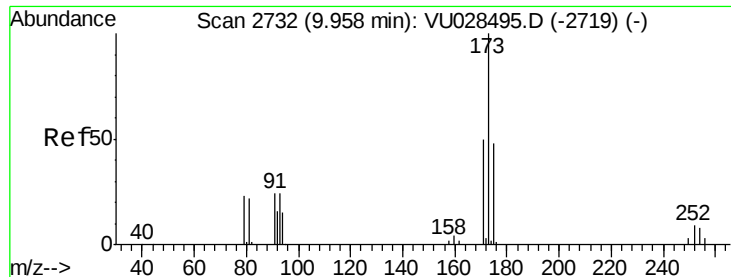
MMDadoda  
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#70  
Styrene  
Concen: 53.235 ug/l  
RT: 9.79 min Scan# 2680  
Delta R.T. -0.00 min  
Lab File: VU028930.D  
Acq: 22 Dec 2018 21:27

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 104     | 100  |       | 317400 |       |       |
| 78      | 48.3 | 43.0  | 64.6   |       |       |
| 103     | 55.4 | 44.2  | 66.4   |       |       |





#71

Bromoform

Concen: 53.719 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 80877

Ion Ratio Lower Upper

173 100

175 49.1 23.9 71.8

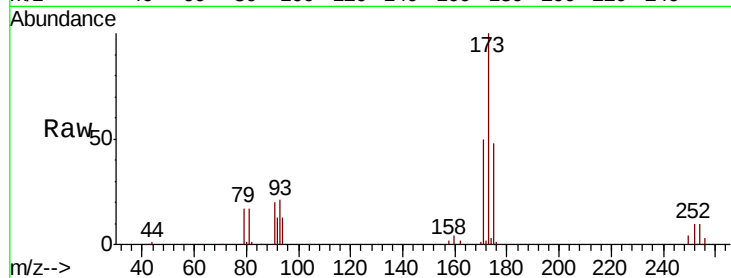
254 0.0 0.0 0.0#

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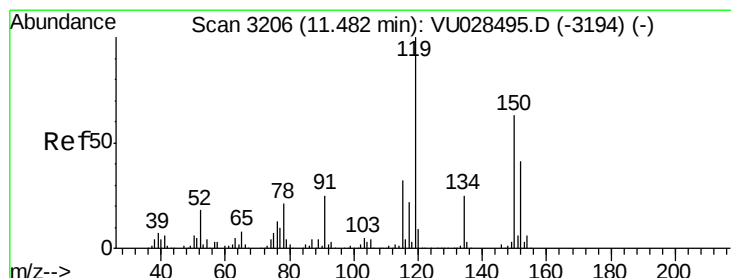
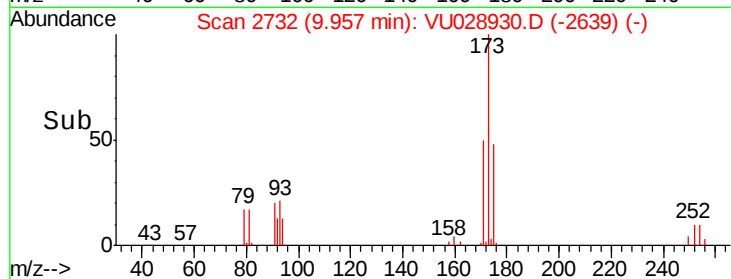
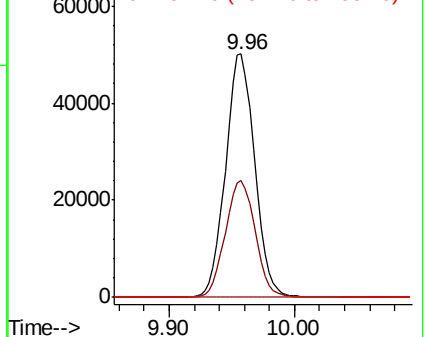
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Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

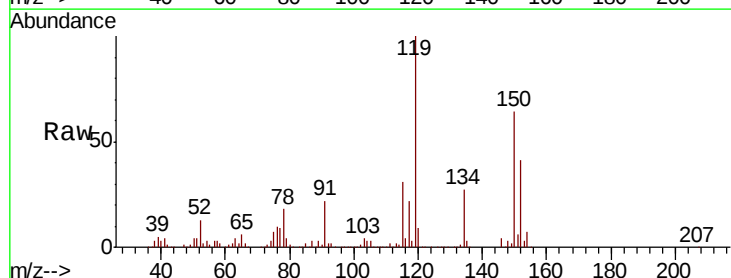
Tgt Ion:152 Resp: 130270

Ion Ratio Lower Upper

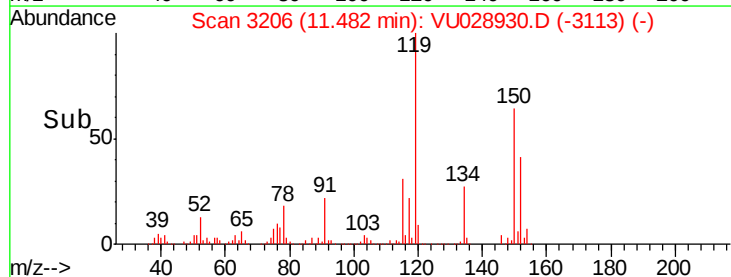
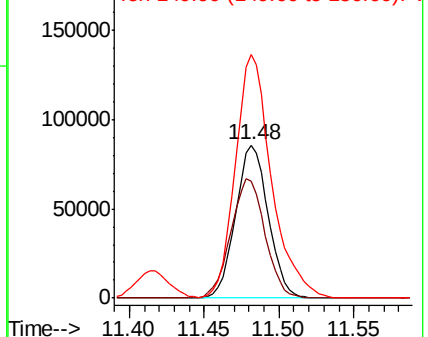
152 100

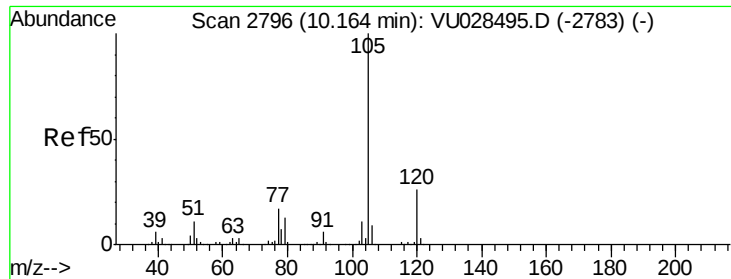
115 81.8 42.7 128.1

150 177.0 0.0 346.0



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





#73

Isopropylbenzene

Concen: 50.248 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 502280

Ion Ratio Lower Upper

105 100

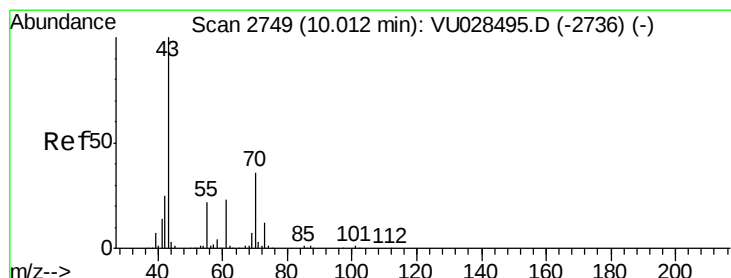
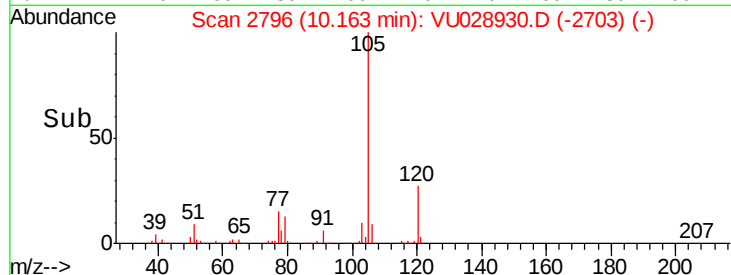
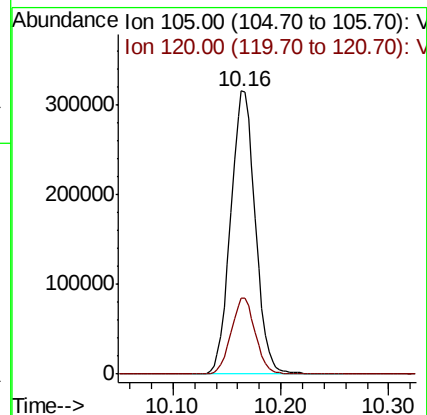
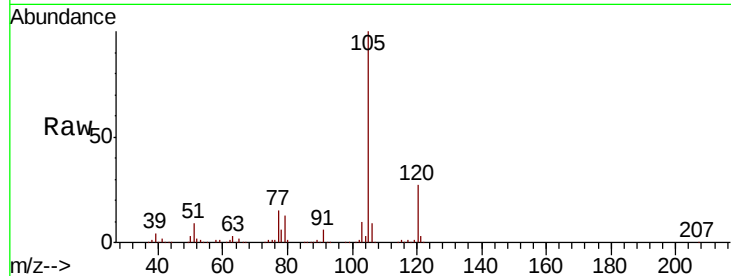
120 26.5 12.9 38.6

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#74

N-ethyl acetate

Concen: 36.733 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

Tgt Ion: 43 Resp: 211803

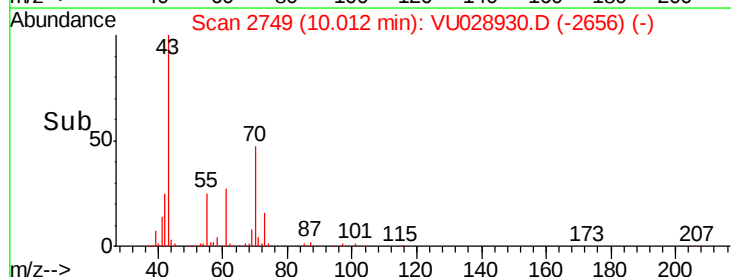
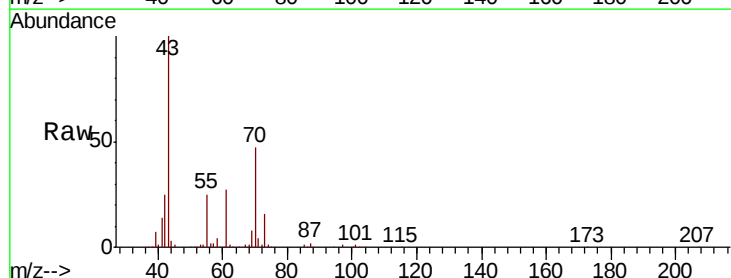
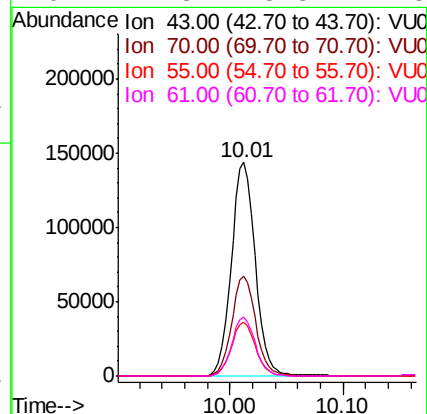
Ion Ratio Lower Upper

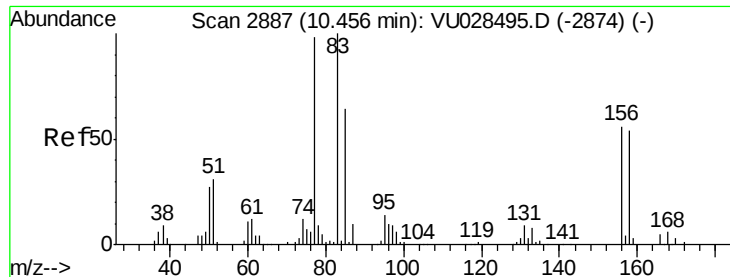
43 100

70 46.6 29.3 43.9#

55 25.5 18.0 27.0

61 27.3 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 47.751 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

Instrument :

MSVOA\_U

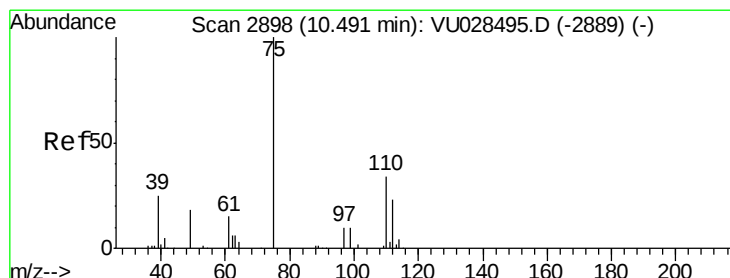
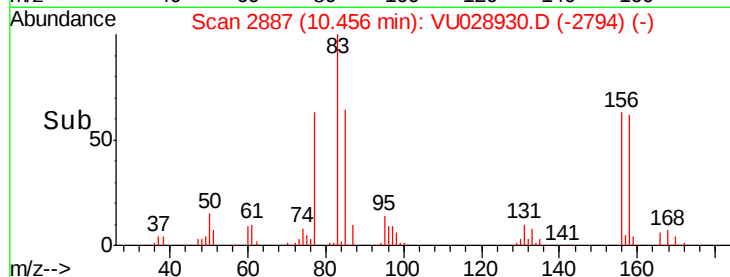
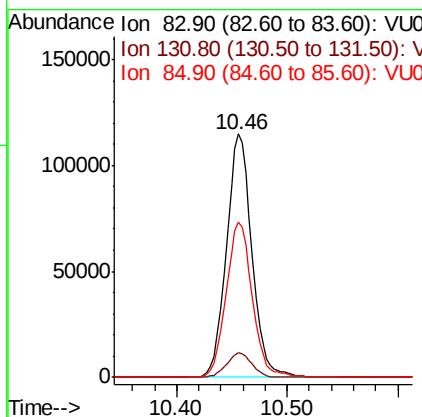
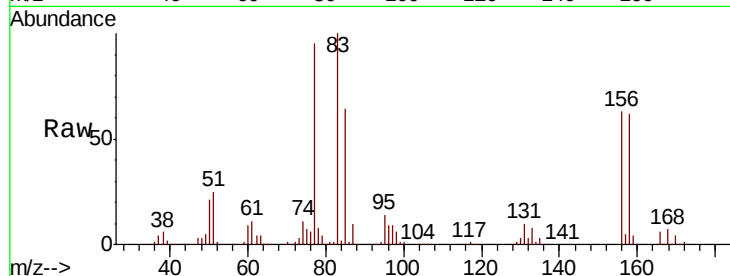
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 183360 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.0  | 4.2   | 12.4   |
| 85        | 65.5  | 31.8  | 95.4   |

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#76

1,2,3-Trichloropropane

Concen: 47.399 ug/l m

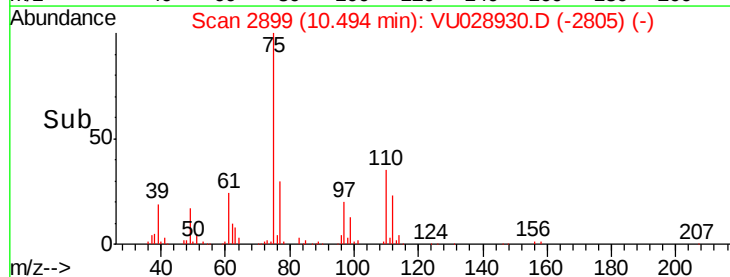
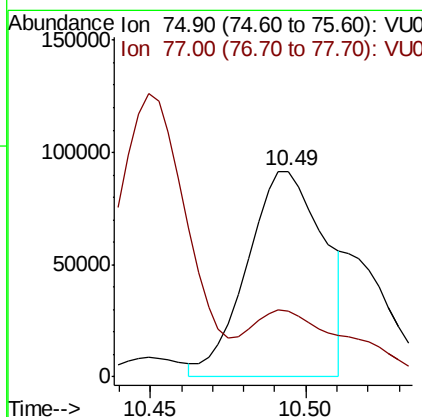
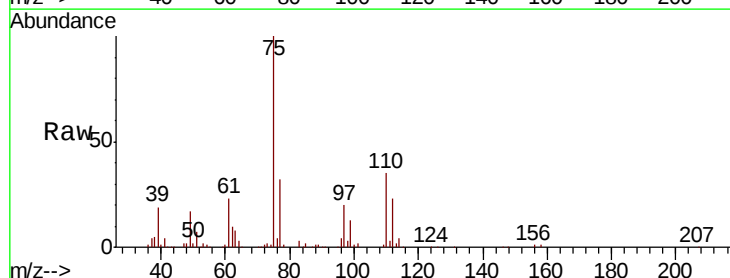
RT: 10.49 min Scan# 2899

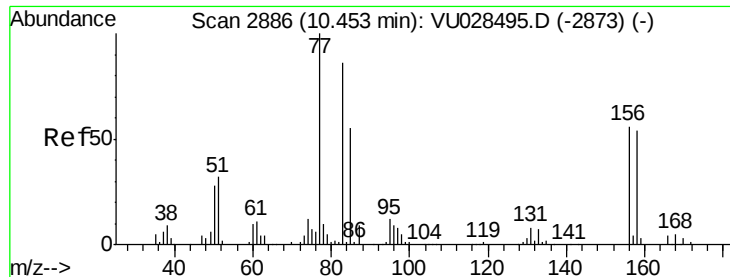
Delta R.T. 0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 157671 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 41.1  | 20.8  | 62.4   |





#77

Bromobenzene

Concen: 55.424 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

Instrument :

MSVOA\_U

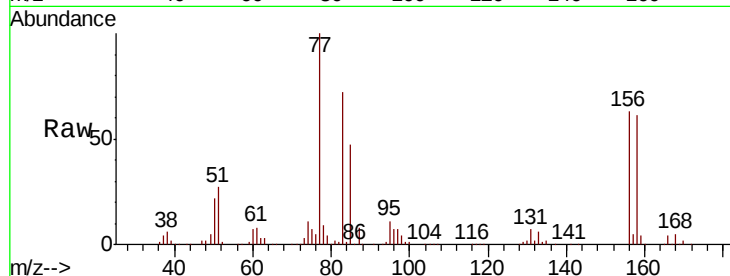
ClientSampleId :

VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 154.8 | 92.4  | 277.2 |
| 158     | 96.7  | 48.4  | 145.3 |

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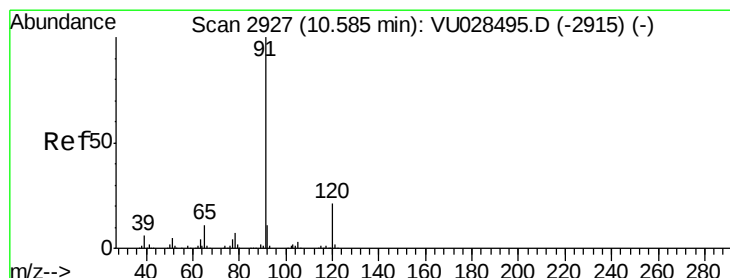
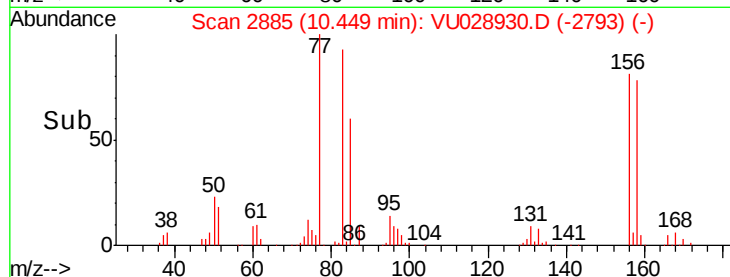
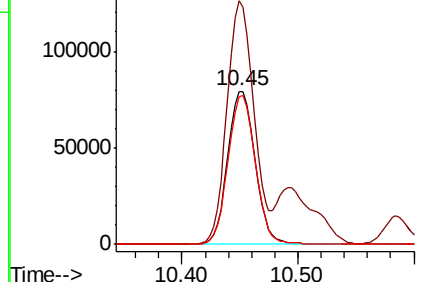
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.715 ug/l

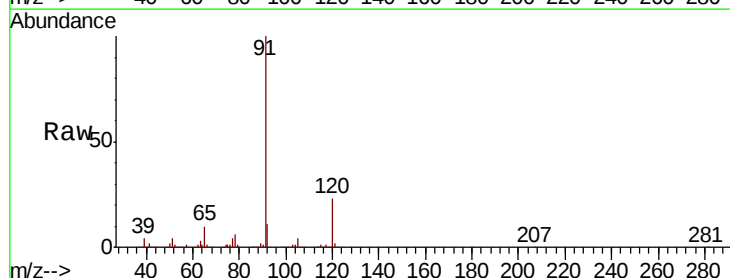
RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028930.D

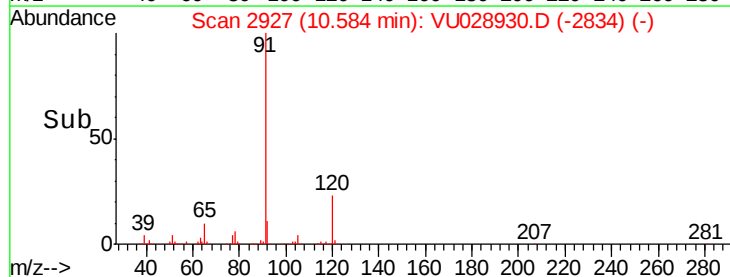
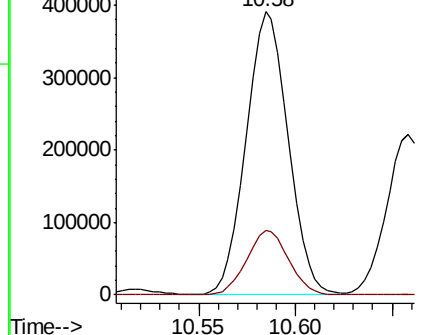
Acq: 22 Dec 2018 21:27

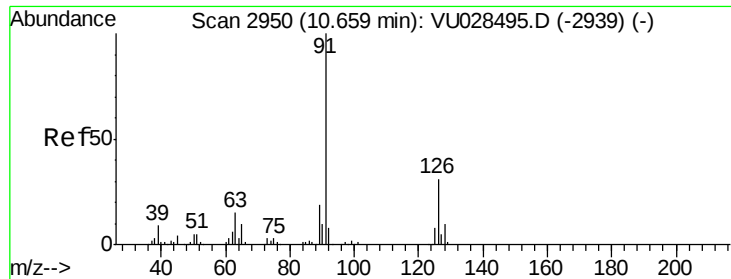
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 22.8  | 10.6  | 31.8  |



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





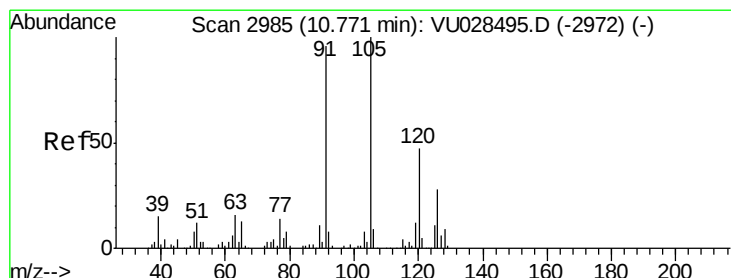
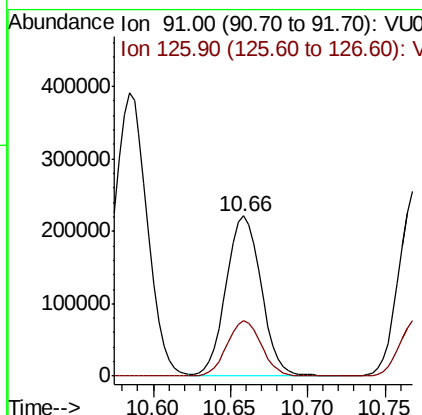
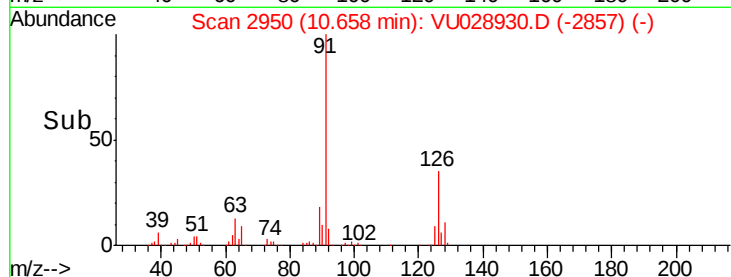
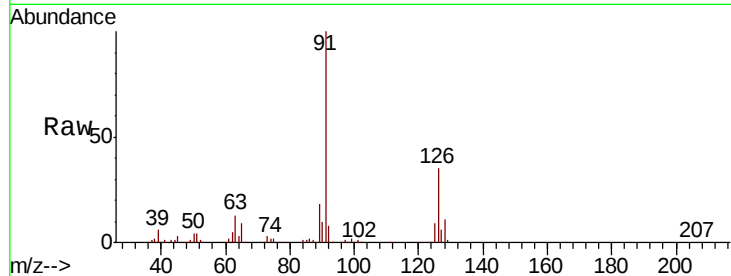
#79  
2-Chlorotoluene  
Concen: 48.837 ug/l  
RT: 10.66 min Scan# 2950  
Delta R.T. -0.00 min  
Lab File: VU028930.D  
Acq: 22 Dec 2018 21:27

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 34.2  | 15.6  | 46.8  |

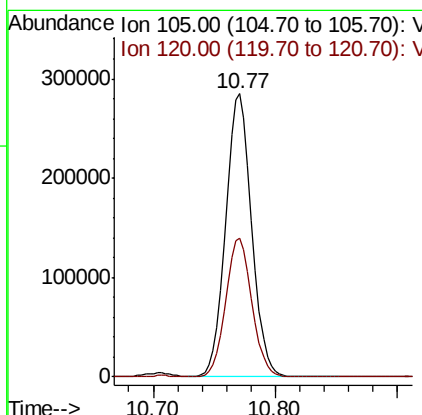
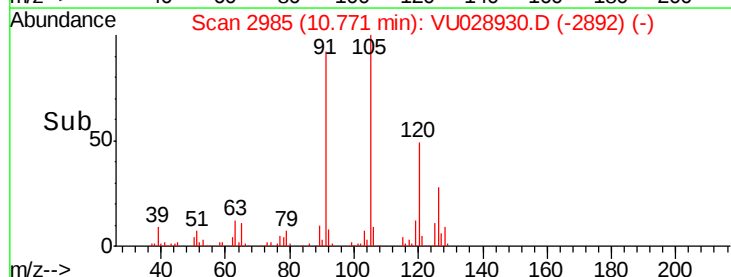
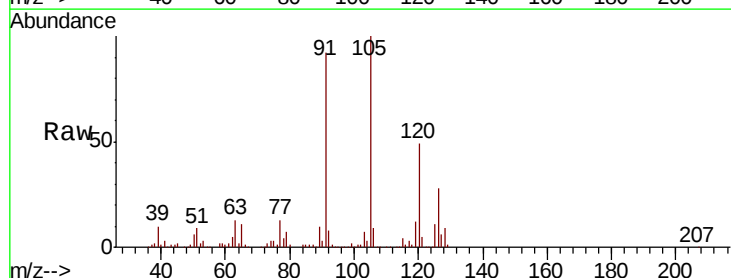
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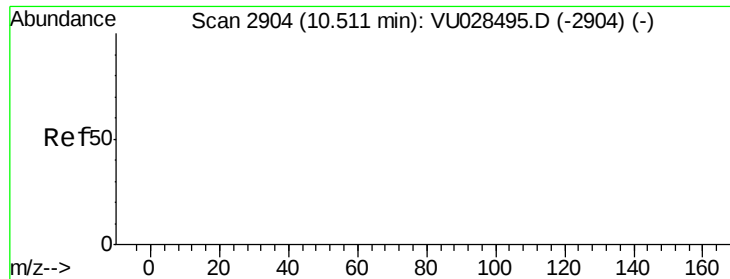
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#80  
1,3,5-Trimethylbenzene  
Concen: 51.299 ug/l  
RT: 10.77 min Scan# 2985  
Delta R.T. -0.00 min  
Lab File: VU028930.D  
Acq: 22 Dec 2018 21:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 49.4  | 23.7  | 71.1  |





#81

trans-1,4-Dichloro-2-butene

Concen: 48.889 ug/l m

RT: 10.51 min Scan# 2903

Delta R.T. -0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 66128

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

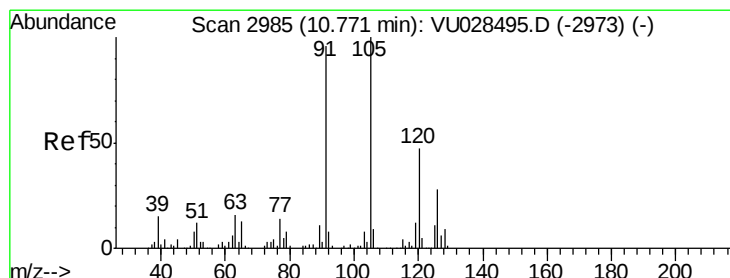
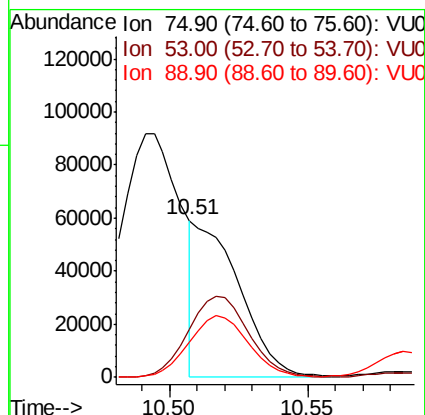
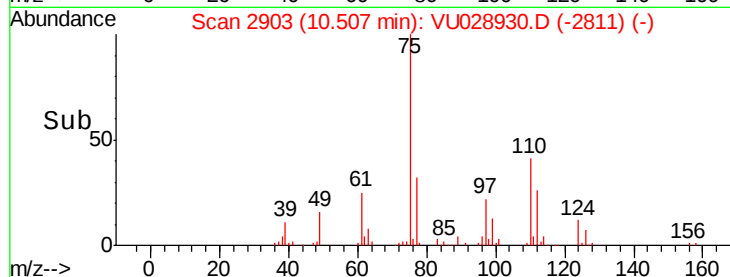
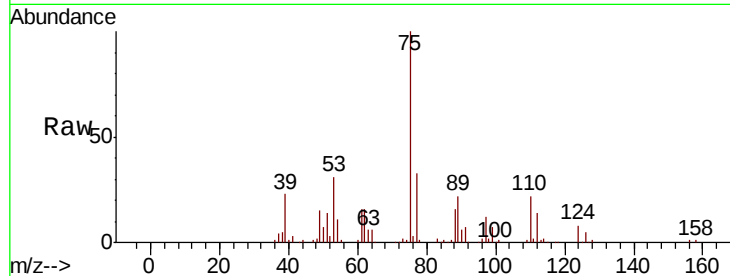
89 0.0 0.0 0.0

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#82

4-Chlorotoluene

Concen: 46.871 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028930.D

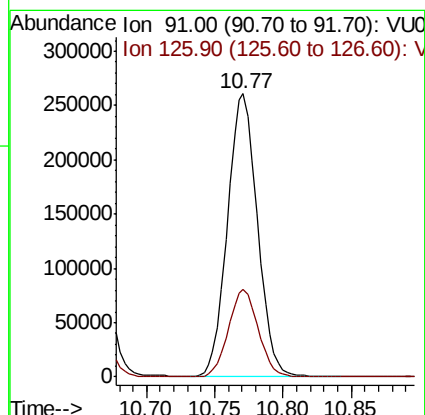
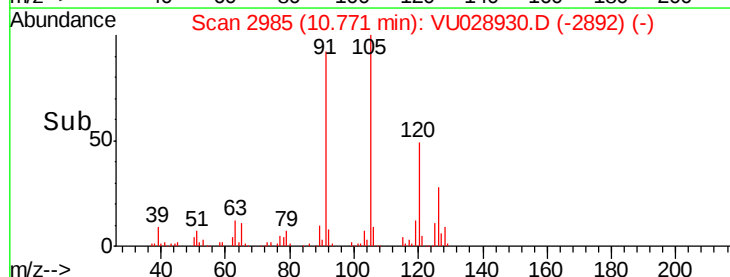
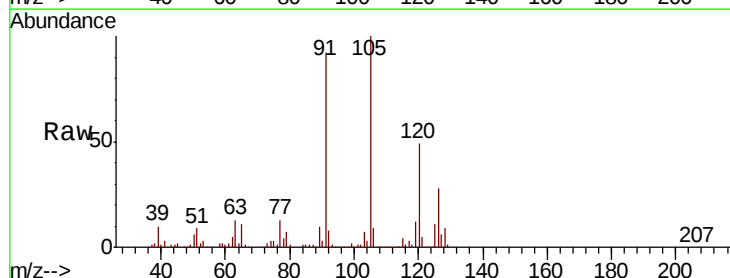
Acq: 22 Dec 2018 21:27

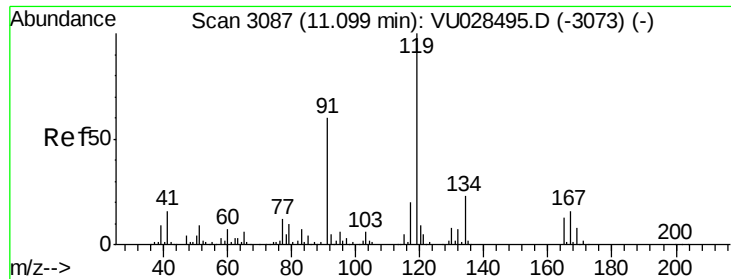
Tgt Ion: 91 Resp: 397403

Ion Ratio Lower Upper

91 100

126 30.8 14.1 42.3





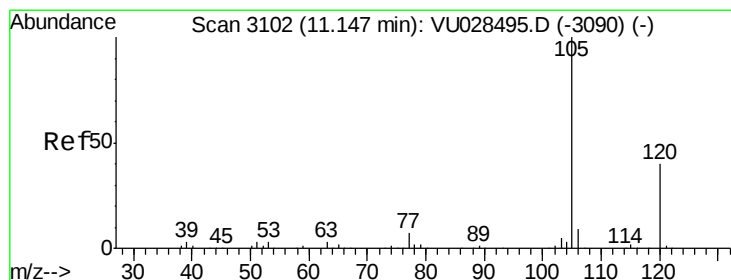
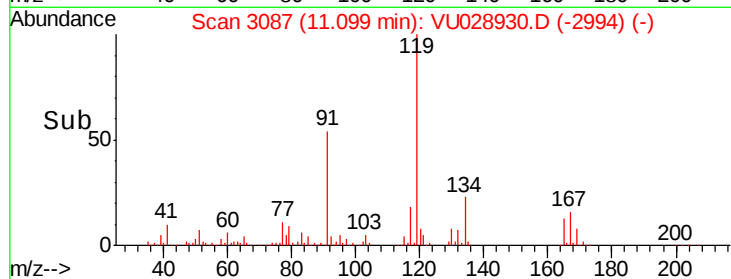
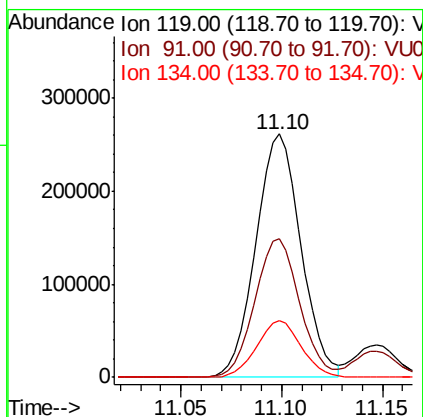
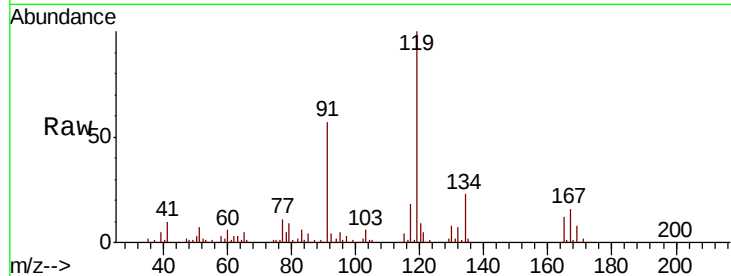
#83  
tert-Butylbenzene  
Concen: 51.170 ug/l  
RT: 11.10 min Scan# 3087  
Delta R.T. -0.00 min  
Lab File: VU028930.D  
Acq: 22 Dec 2018 21:27

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 408105 |       |       |
| 91      | 56.8  | 30.3   | 91.0  |       |
| 134     | 22.9  | 11.2   | 33.5  |       |

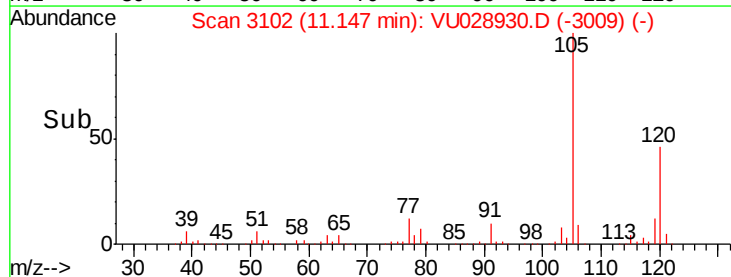
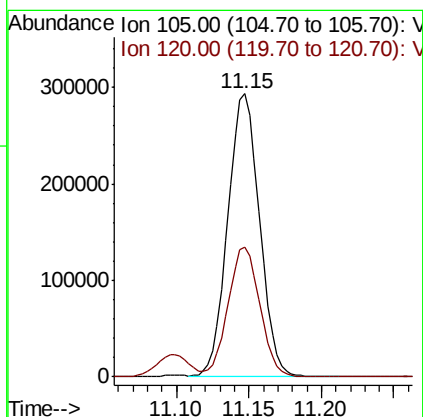
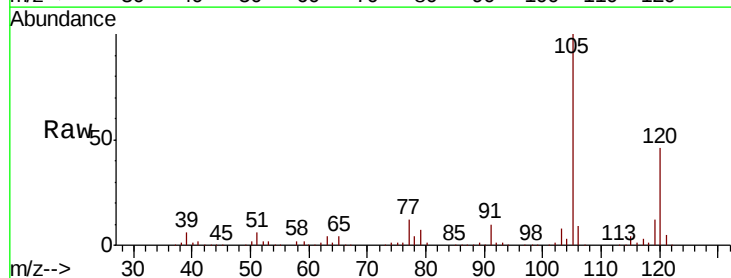
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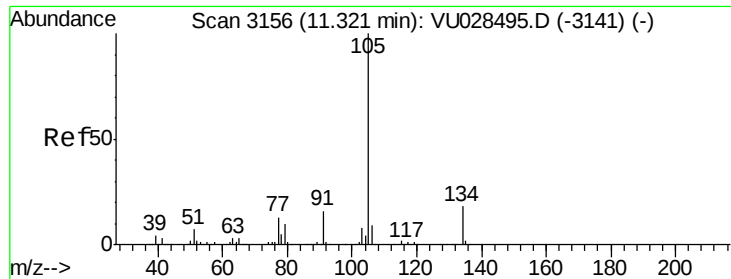
MMDadoda  
12/24/2018 11:49:14 AM



#84  
1,2,4-Trimethylbenzene  
Concen: 52.195 ug/l  
RT: 11.15 min Scan# 3102  
Delta R.T. -0.00 min  
Lab File: VU028930.D  
Acq: 22 Dec 2018 21:27

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 445091 |       |       |
| 120     | 46.0  | 21.8   | 65.4  |       |





#85

sec-Butylbenzene

Concen: 48.680 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 498764

Ion Ratio Lower Upper

105 100

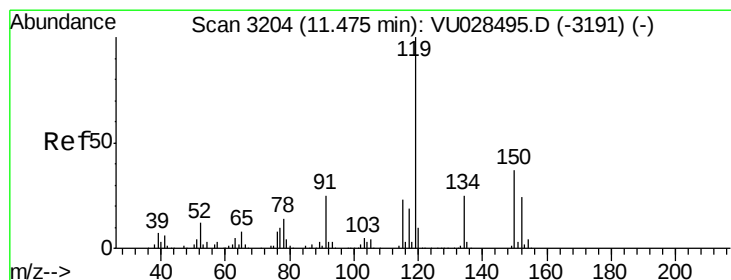
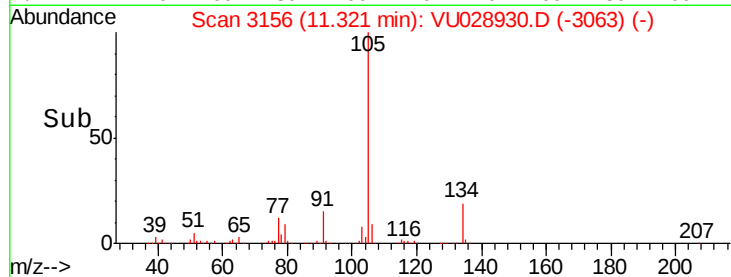
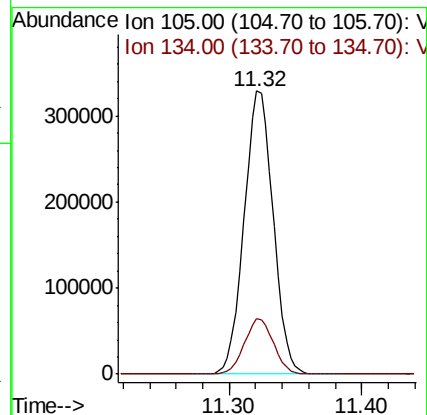
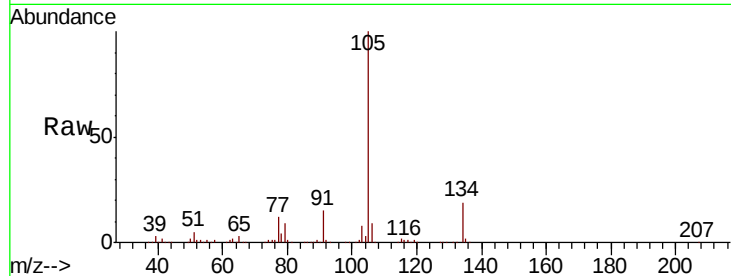
134 19.7 9.2 27.6

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#86

p-Isopropyltoluene

Concen: 49.576 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

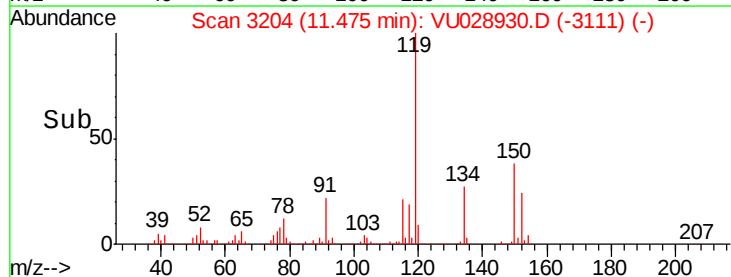
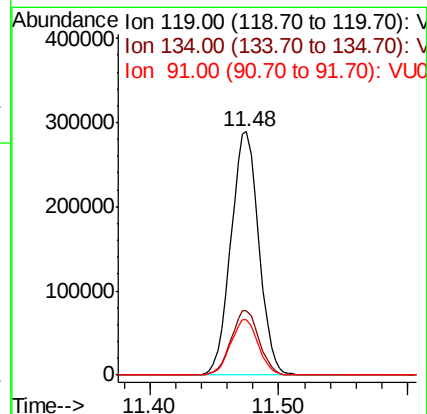
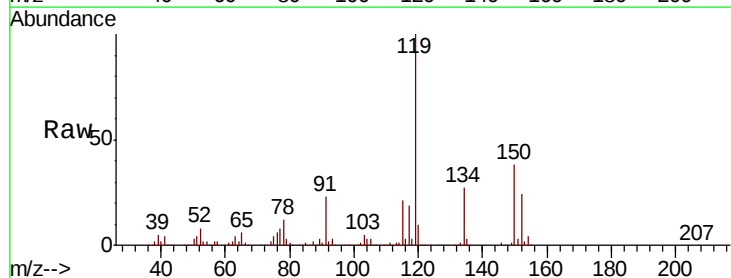
Tgt Ion:119 Resp: 431486

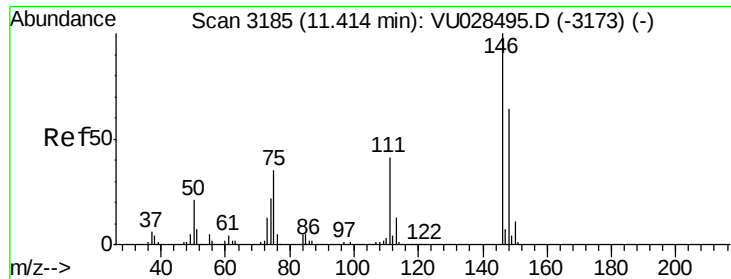
Ion Ratio Lower Upper

119 100

134 26.7 12.7 38.1

91 22.7 12.6 37.6





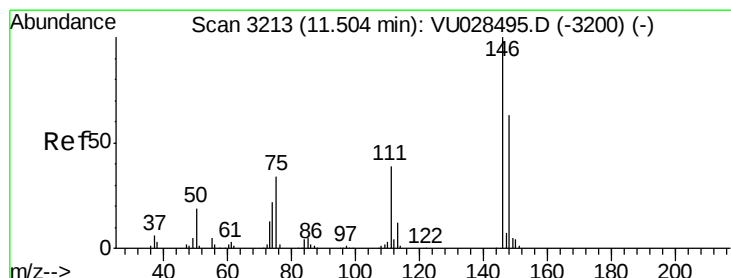
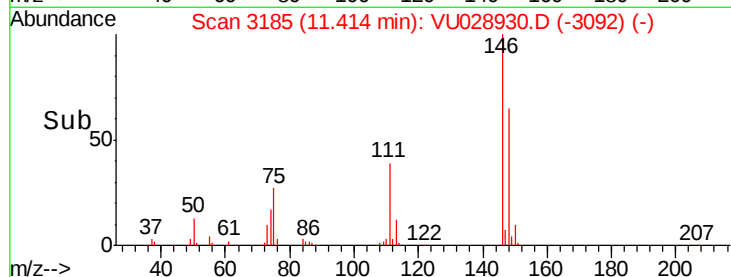
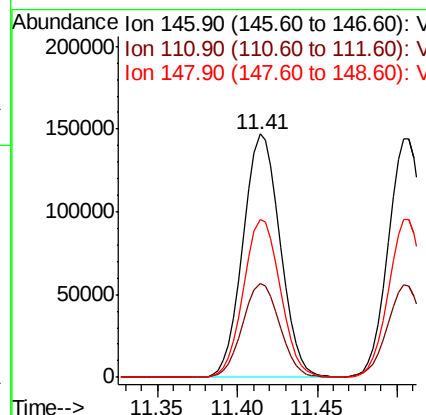
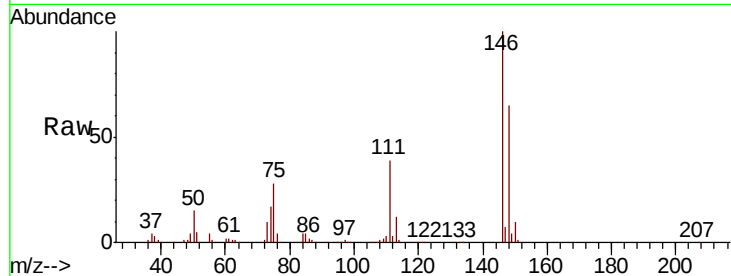
#87  
 1,3-Dichlorobenzene  
 Concen: 52.592 ug/l  
 RT: 11.41 min Scan# 3185  
 Delta R.T. -0.00 min  
 Lab File: VU028930.D  
 Acq: 22 Dec 2018 21:27

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.7  | 20.7  | 62.1  |
| 148     | 64.5  | 31.9  | 95.7  |

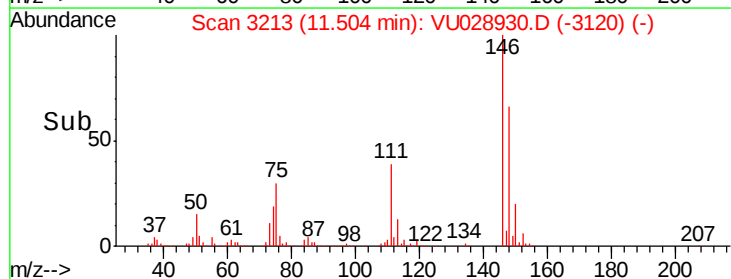
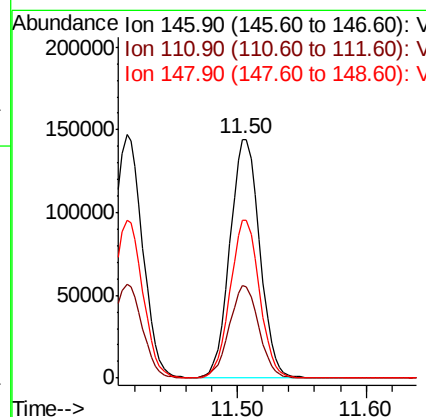
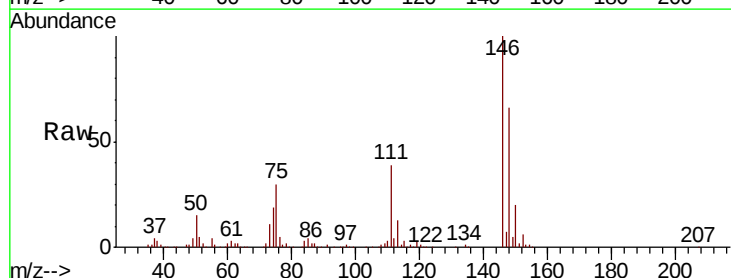
Manual Integrations  
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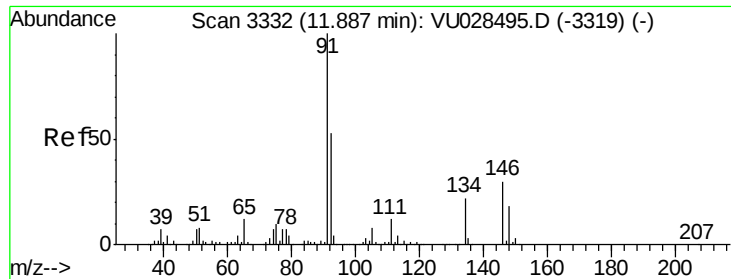
MMDadoda  
 12/24/2018 11:49:14 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 50.392 ug/l  
 RT: 11.50 min Scan# 3213  
 Delta R.T. -0.00 min  
 Lab File: VU028930.D  
 Acq: 22 Dec 2018 21:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.6  | 20.2  | 60.5  |
| 148     | 65.2  | 31.6  | 95.0  |





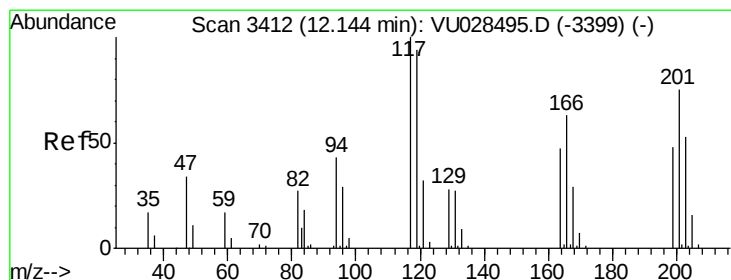
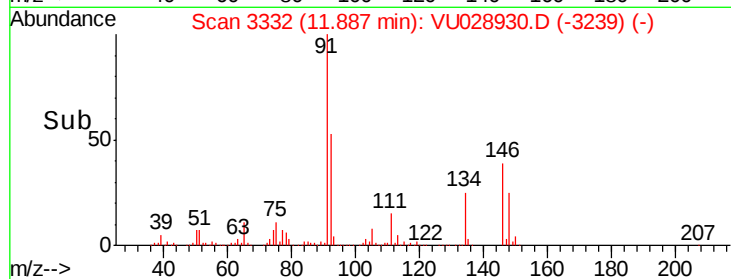
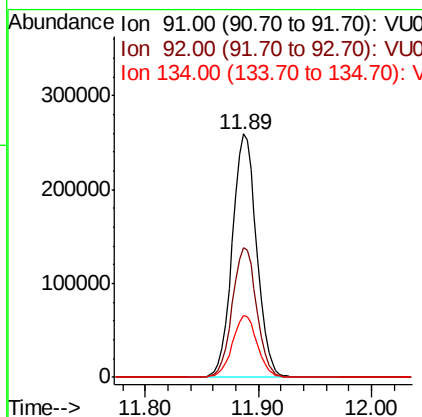
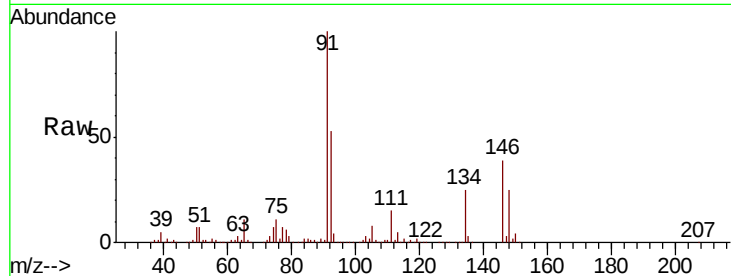
#89  
n-Butylbenzene  
Concen: 43.976 ug/l  
RT: 11.89 min Scan# 3332  
Delta R.T. -0.00 min  
Lab File: VU028930.D  
Acq: 22 Dec 2018 21:27

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 91      | 100   |      |       |       |
| 92      | 53.4  | 26.3 | 78.9  |       |
| 134     | 26.1  | 11.3 | 33.8  |       |

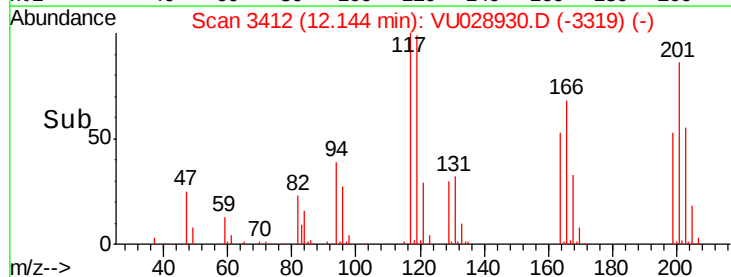
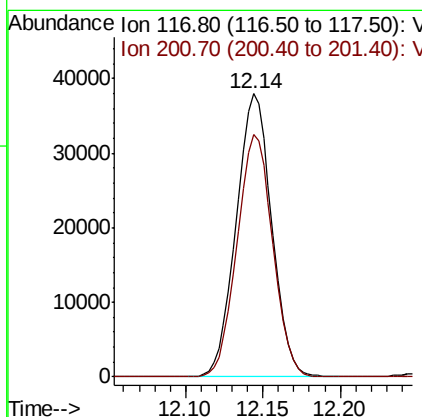
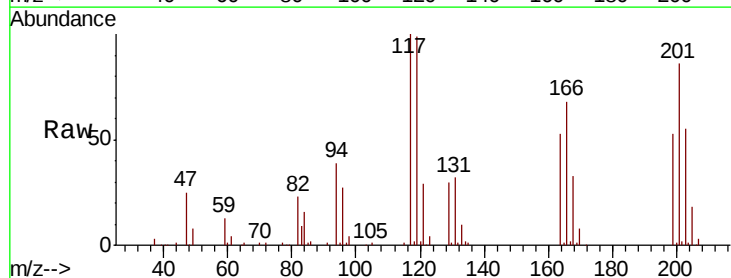
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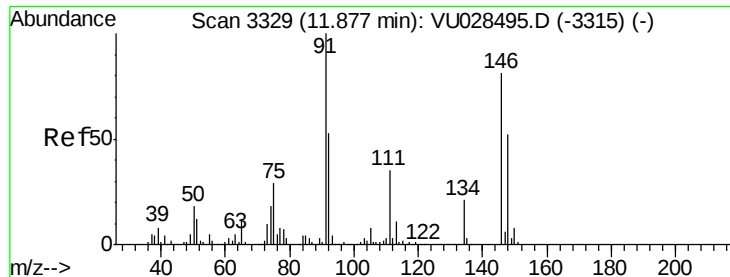
MMDadoda  
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#90  
Hexachloroethane  
Concen: 46.006 ug/l  
RT: 12.14 min Scan# 3412  
Delta R.T. -0.00 min  
Lab File: VU028930.D  
Acq: 22 Dec 2018 21:27

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 201     | 85.9  | 38.1 | 114.5 |       |





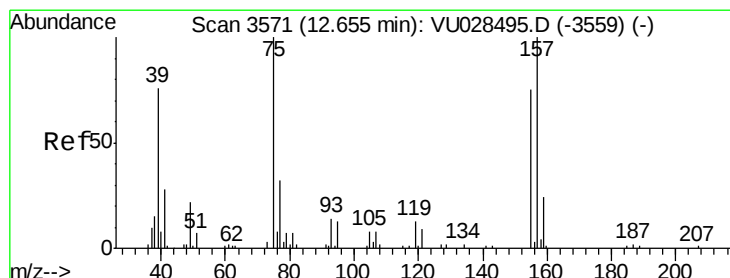
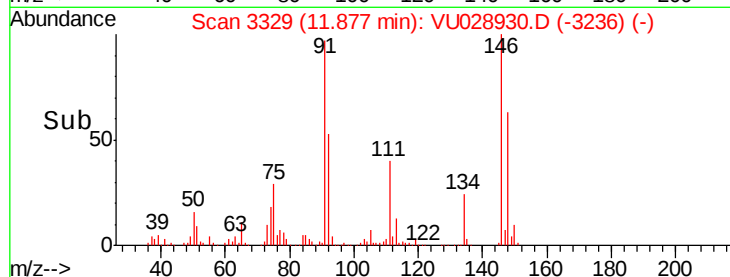
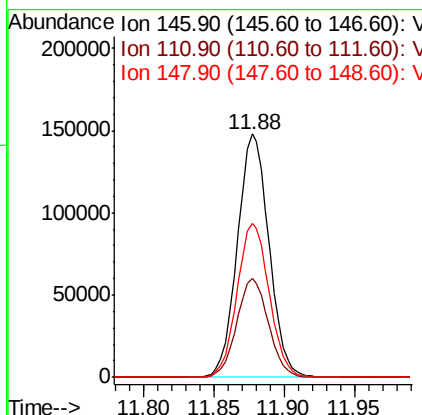
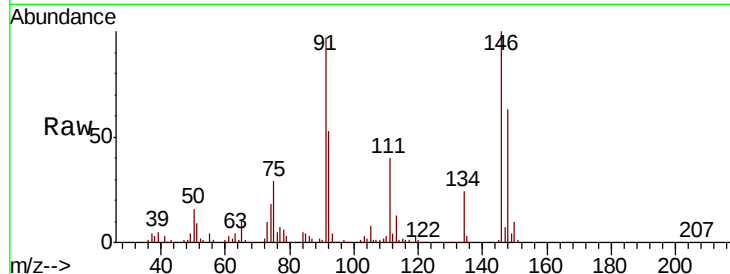
#91  
 1,2-Dichlorobenzene  
 Concen: 52.715 ug/l  
 RT: 11.88 min Scan# 3329  
 Delta R.T. -0.00 min  
 Lab File: VU028930.D  
 Acq: 22 Dec 2018 21:27

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.6  | 21.1  | 63.4  |
| 148     | 64.3  | 31.4  | 94.2  |

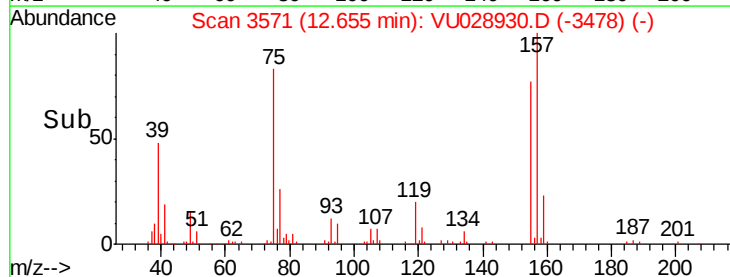
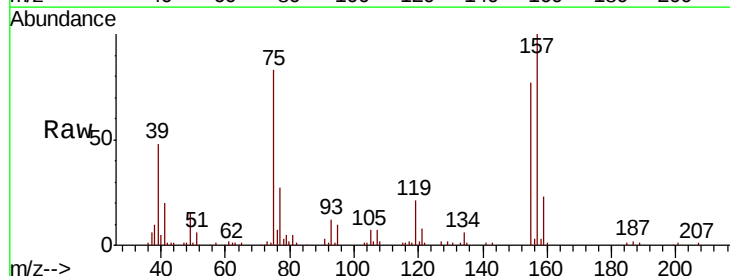
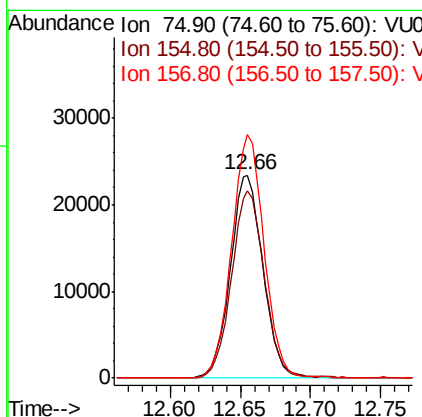
Manual Integrations  
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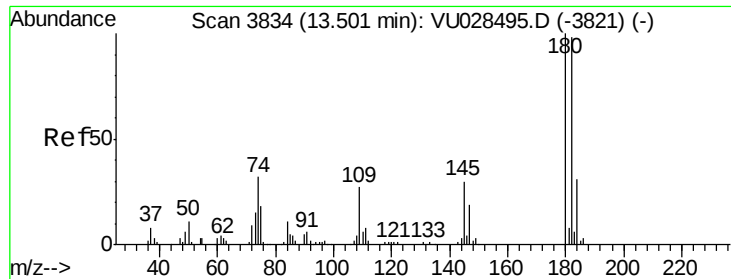
MMDadoda  
 12/24/2018 11:49:14 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 45.633 ug/l  
 RT: 12.66 min Scan# 3571  
 Delta R.T. -0.00 min  
 Lab File: VU028930.D  
 Acq: 22 Dec 2018 21:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 92.5  | 38.1  | 114.5 |
| 157     | 118.6 | 48.7  | 146.1 |





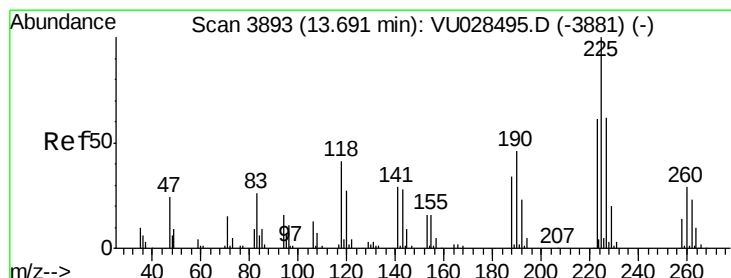
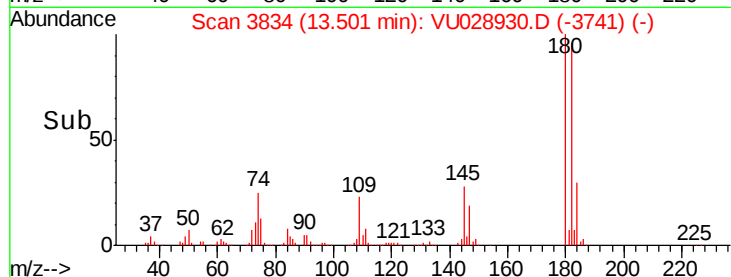
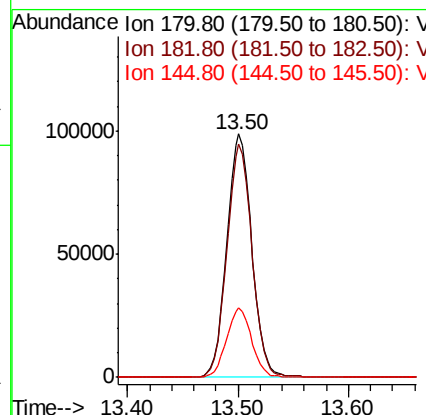
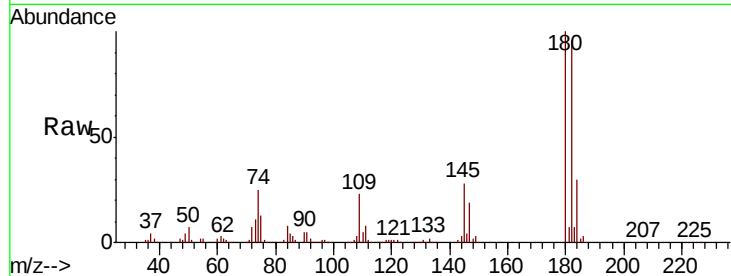
#93  
 1,2,4-Trichlorobenzene  
 Concen: 51.249 ug/l  
 RT: 13.50 min Scan# 3834  
 Delta R.T. -0.00 min  
 Lab File: VU028930.D  
 Acq: 22 Dec 2018 21:27

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 155568 |       |       |
| 182     | 96.3  | 47.9   | 143.8 |       |
| 145     | 28.8  | 15.0   | 45.1  |       |

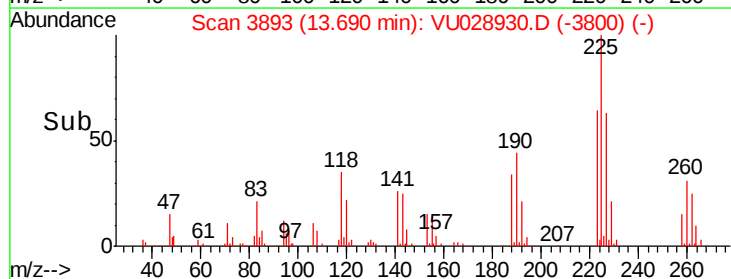
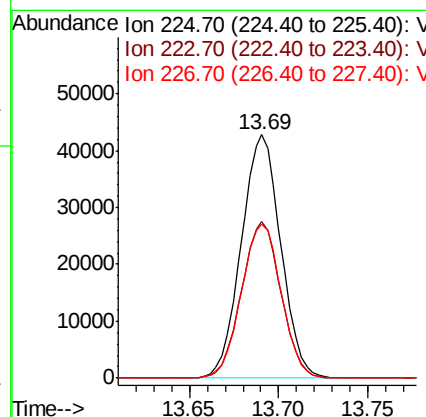
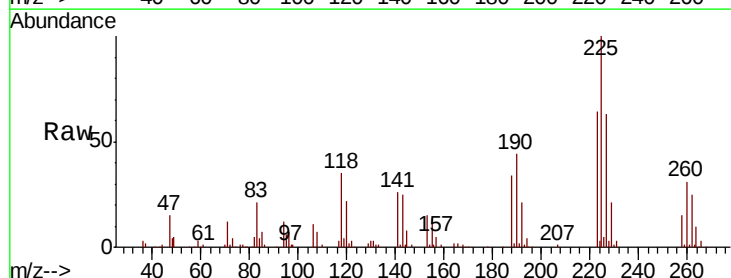
Manual Integrations  
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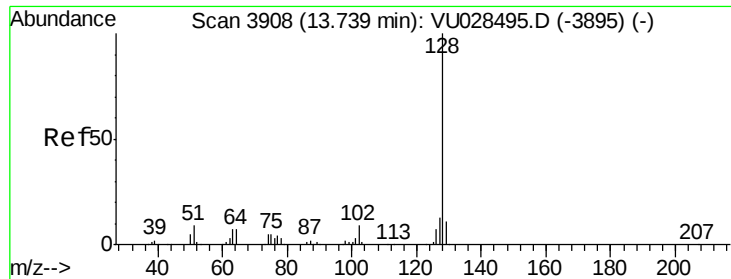
MMDadoda  
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#94  
 Hexachlorobutadiene  
 Concen: 45.640 ug/l  
 RT: 13.69 min Scan# 3893  
 Delta R.T. -0.00 min  
 Lab File: VU028930.D  
 Acq: 22 Dec 2018 21:27

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 66015 |       |       |
| 223     | 64.3  | 30.4  | 91.2  |       |
| 227     | 64.1  | 30.7  | 92.1  |       |





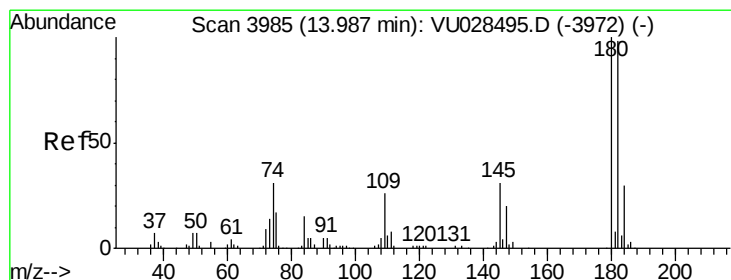
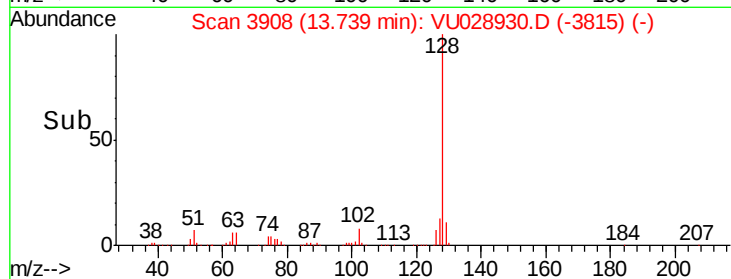
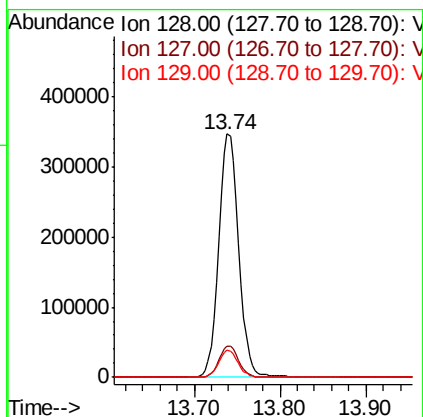
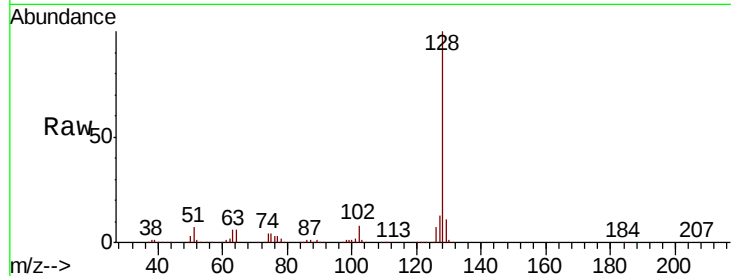
#95  
Naphthalene  
Concen: 52.926 ug/l  
RT: 13.74 min Scan# 3908  
Delta R.T. -0.00 min  
Lab File: VU028930.D  
Acq: 22 Dec 2018 21:27

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.8  | 10.4  | 15.6  |
| 129     | 10.9  | 8.6   | 13.0  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 52.418 ug/l  
RT: 13.99 min Scan# 3985  
Delta R.T. 0.00 min  
Lab File: VU028930.D  
Acq: 22 Dec 2018 21:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.6  | 48.2  | 144.6 |
| 145     | 30.8  | 15.8  | 47.3  |

