

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110518\  
 Data File : VU027942.D  
 Acq On : 05 Nov 2018 09:21  
 Operator : MD/SY  
 Sample : VU1105WBS01  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1105WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 11/6/2018 12:06:43 PM

Quant Time: Nov 06 03:54:46 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U110218W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 02 02:28:20 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.98  | 168  | 188421   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.89  | 114  | 314577   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.09  | 117  | 293404   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 138647   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 5.31  | 65   | 122525   | 43.74  | ug/l   | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |        |          |
|                             |       |      | Recovery | =      | 87.48% |          |
| 35) Dibromofluoromethane    | 4.88  | 113  | 91501    | 46.13  | ug/l   | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |        |          |
|                             |       |      | Recovery | =      | 92.26% |          |
| 50) Toluene-d8              | 7.57  | 98   | 347968   | 45.42  | ug/l   | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |        |          |
|                             |       |      | Recovery | =      | 90.84% |          |
| 62) 4-Bromofluorobenzene    | 10.31 | 95   | 128702   | 45.54  | ug/l   | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |        |          |
|                             |       |      | Recovery | =      | 91.08% |          |

| Target Compounds              | R.T. | QIon | Response | Conc   | Units | Qvalue |
|-------------------------------|------|------|----------|--------|-------|--------|
| 2) Dichlorodifluoromethane    | 1.21 | 85   | 39085    | 16.325 | ug/l  | 96     |
| 3) Chloromethane              | 1.33 | 50   | 51858    | 17.909 | ug/l  | 100    |
| 4) Vinyl Chloride             | 1.40 | 62   | 50825    | 17.685 | ug/l  | 100    |
| 5) Bromomethane               | 1.62 | 94   | 24854    | 23.372 | ug/l  | 96     |
| 6) Chloroethane               | 1.70 | 64   | 30244    | 18.262 | ug/l  | 96     |
| 7) Trichlorofluoromethane     | 1.89 | 101  | 61696    | 18.578 | ug/l  | 96     |
| 8) Diethyl Ether              | 2.11 | 74   | 26441    | 18.595 | ug/l  | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.29 | 101  | 38626    | 19.579 | ug/l  | 98     |
| 10) Methyl Iodide             | 2.41 | 142  | 30586    | 22.021 | ug/l  | 99     |
| 11) Tert butyl alcohol        | 2.83 | 59   | 67200    | 90.614 | ug/l  | 99     |
| 12) 1,1-Dichloroethene        | 2.29 | 96   | 35907    | 18.183 | ug/l  | 95     |
| 13) Acrolein                  | 2.20 | 56   | 19371    | 66.010 | ug/l  | 99     |
| 14) Allyl chloride            | 2.59 | 41   | 87023    | 18.031 | ug/l  | 98     |
| 15) Acrylonitrile             | 2.94 | 53   | 170048   | 93.346 | ug/l  | 99     |
| 16) Acetone                   | 2.32 | 43   | 173167   | 99.632 | ug/l  | 100    |
| 17) Carbon Disulfide          | 2.48 | 76   | 114306   | 17.709 | ug/l  | 100    |
| 18) Methyl Acetate            | 2.62 | 43   | 86804    | 18.155 | ug/l  | 98     |
| 19) Methyl tert-butyl Ether   | 3.00 | 73   | 149582   | 18.783 | ug/l  | 99     |
| 20) Methylene Chloride        | 2.70 | 84   | 47449    | 18.698 | ug/l  | 99     |
| 21) trans-1,2-Dichloroethene  | 2.98 | 96   | 41240    | 18.096 | ug/l  | 100    |
| 22) Diisopropyl ether         | 3.57 | 45   | 188733   | 18.941 | ug/l  | 94     |
| 23) Vinyl Acetate             | 3.53 | 43   | 818060   | 95.528 | ug/l  | 99     |
| 24) 1,1-Dichloroethane        | 3.45 | 63   | 92282    | 18.593 | ug/l  | 99     |
| 25) 2-Butanone                | 4.26 | 43   | 259565   | 93.872 | ug/l  | 98     |
| 26) 2,2-Dichloropropane       | 4.23 | 77   | 73706    | 19.789 | ug/l  | 98     |
| 27) cis-1,2-Dichloroethene    | 4.23 | 96   | 48772    | 19.084 | ug/l  | 99     |
| 28) Bromochloromethane        | 4.55 | 49   | 40780    | 17.527 | ug/l  | 99     |
| 29) Tetrahydrofuran           | 4.64 | 42   | 165643   | 89.713 | ug/l  | 99     |
| 30) Chloroform                | 4.67 | 83   | 82179    | 18.058 | ug/l  | 96     |
| 31) Cyclohexane               | 5.00 | 56   | 94817    | 18.400 | ug/l  | 98     |
| 32) 1,1,1-Trichloroethane     | 4.92 | 97   | 69713    | 19.244 | ug/l  | 99     |
| 36) 1,1-Dichloropropene       | 5.14 | 75   | 62978    | 19.115 | ug/l  | 99     |
| 37) Ethyl Acetate             | 4.38 | 43   | 91363    | 18.926 | ug/l  | 99     |
| 38) Carbon Tetrachloride      | 5.13 | 117  | 57279    | 19.618 | ug/l  | 97     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110518\  
 Data File : VU027942.D  
 Acq On : 05 Nov 2018 09:21  
 Operator : MD/SY  
 Sample : VU1105WBS01  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1105WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 11/6/2018 12:06:43 PM

Quant Time: Nov 06 03:54:46 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U110218W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 02 02:28:20 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 6.42  | 83   | 78707    | 19.807  | ug/l   | 98       |
| 40) Benzene                    | 5.39  | 78   | 193881   | 19.247  | ug/l   | 99       |
| 41) Methacrylonitrile          | 4.54  | 41   | 50867    | 19.745  | ug/l   | 97       |
| 42) 1,2-Dichloroethane         | 5.40  | 62   | 68263    | 19.065  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 5.55  | 43   | 142543   | 18.847  | ug/l   | 100      |
| 44) Trichloroethene            | 6.19  | 130  | 42790    | 19.762  | ug/l   | 96       |
| 45) 1,2-Dichloropropane        | 6.43  | 63   | 57239    | 19.703  | ug/l   | 99       |
| 46) Dibromomethane             | 6.56  | 93   | 32431    | 19.422  | ug/l   | 98       |
| 47) Bromodichloromethane       | 6.76  | 83   | 64753    | 20.123  | ug/l   | 96       |
| 48) Methyl methacrylate        | 6.62  | 41   | 71939    | 19.410  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 6.61  | 88   | 25007    | 413.558 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone       | 7.46  | 43   | 481762   | 95.381  | ug/l   | 100      |
| 52) Toluene                    | 7.64  | 92   | 113432   | 19.155  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 7.88  | 75   | 74517    | 19.374  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 7.27  | 75   | 82589    | 20.819  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 8.07  | 97   | 45956    | 19.075  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 8.02  | 69   | 84870    | 19.975  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 8.24  | 76   | 85304    | 19.437  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 7.13  | 63   | 223589   | 98.258  | ug/l   | 100      |
| 59) 2-Hexanone                 | 8.36  | 43   | 380220   | 97.329  | ug/l   | 99       |
| 60) Dibromochloromethane       | 8.48  | 129  | 45352    | 19.892  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 8.58  | 107  | 48714    | 19.029  | ug/l   | 95       |
| 64) Tetrachloroethene          | 8.23  | 164  | 36280    | 19.070  | ug/l   | 98       |
| 65) Chlorobenzene              | 9.12  | 112  | 116060   | 18.723  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane  | 9.21  | 131  | 42392    | 20.022  | ug/l   | 100      |
| 67) Ethyl Benzene              | 9.25  | 91   | 220270   | 19.305  | ug/l   | 100      |
| 68) m/p-Xylenes                | 9.38  | 106  | 162552   | 39.264  | ug/l   | 100      |
| 69) o-Xylene                   | 9.78  | 106  | 78975    | 18.891  | ug/l   | 97       |
| 70) Styrene                    | 9.79  | 104  | 128766   | 19.277  | ug/l   | 99       |
| 71) Bromoform                  | 9.96  | 173  | 35573    | 20.047  | ug/l # | 96       |
| 73) Isopropylbenzene           | 10.17 | 105  | 211866   | 19.725  | ug/l   | 100      |
| 74) N-amyl acetate             | 10.01 | 43   | 129387   | 19.922  | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane  | 10.46 | 83   | 86136    | 19.881  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 10.49 | 75   | 71315m   | 18.805  | ug/l   |          |
| 77) Bromobenzene               | 10.45 | 156  | 50179    | 20.374  | ug/l   | 98       |
| 78) n-propylbenzene            | 10.59 | 91   | 256178   | 19.926  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 10.66 | 91   | 150804   | 19.569  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 10.77 | 105  | 176059   | 19.787  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 10.51 | 75   | 28207m   | 18.736  | ug/l   |          |
| 82) 4-Chlorotoluene            | 10.77 | 91   | 170464   | 19.484  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 11.10 | 119  | 173247   | 19.477  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 11.15 | 105  | 179056   | 19.985  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.32 | 105  | 216618   | 20.024  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 11.48 | 119  | 180082   | 19.913  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 11.42 | 146  | 89601    | 19.694  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 11.51 | 146  | 89488    | 19.190  | ug/l   | 98       |
| 89) n-Butylbenzene             | 11.89 | 91   | 168592   | 19.616  | ug/l   | 99       |
| 90) Hexachloroethane           | 12.15 | 117  | 32819    | 20.384  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene        | 11.88 | 146  | 90681    | 19.820  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 12.66 | 75   | 18073    | 19.797  | ug/l   | 99       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU110518\  
Data File : VU027942.D  
Acq On : 05 Nov 2018 09:21  
Operator : MD/SY  
Sample : VU1105WBS01  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1105WBS01

Manual Integrations  
APPROVED

MMDadoda  
11/6/2018 12:06:43 PM

Quant Time: Nov 06 03:54:46 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U110218W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 02 02:28:20 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.50 | 180  | 58699    | 18.728 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 13.69 | 225  | 30176    | 20.752 | ug/l  | 98       |
| 95) Naphthalene            | 13.74 | 128  | 207726   | 18.150 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 13.99 | 180  | 59653    | 19.430 | ug/l  | 99       |

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

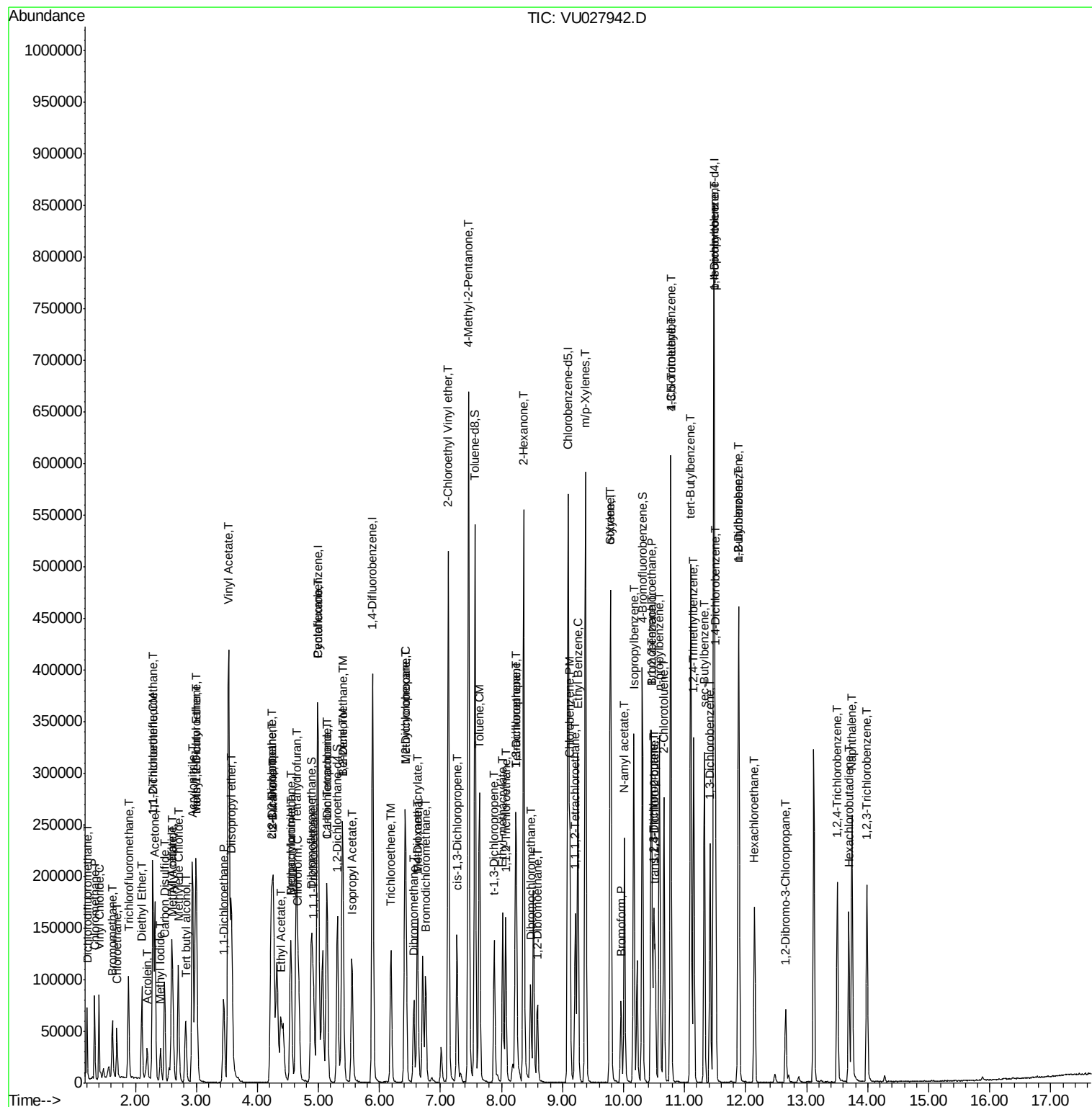
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU110518\  
 Data File : VU027942.D  
 Acq On : 05 Nov 2018 09:21  
 Operator : MD/SY  
 Sample : VU1105WBS01  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 4 Sample Multiplier: 1

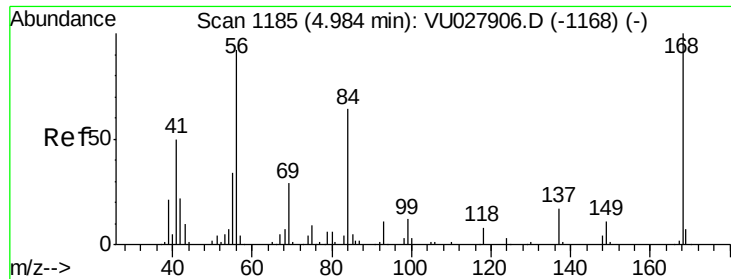
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1105WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 11/6/2018 12:06:43 PM

Quant Time: Nov 06 03:54:46 2018  
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U110218W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 02 02:28:20 2018  
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027942.D

Acq: 05 Nov 2018 09:21

Instrument :

MSVOA\_U

ClientSampleId :

VU1105WBS01

Tot Ion:168 Resp: 188421

Ion Ratio Lower Upper

168 100

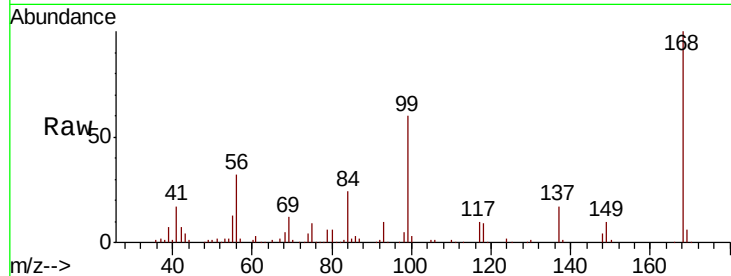
99 59.6 47.9 71.9

Manual Integrations

APPROVED

MMDadoda

11/6/2018 12:06:43 PM



Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU027906.D (-1168) (-)

4.98

80000

60000

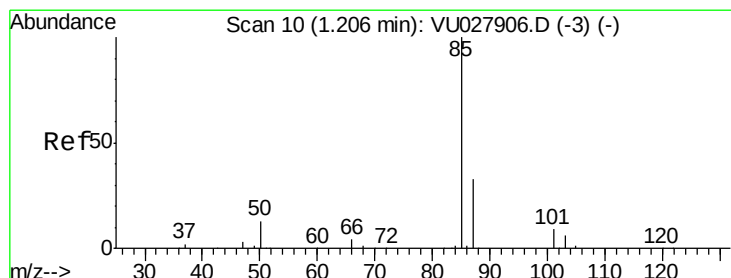
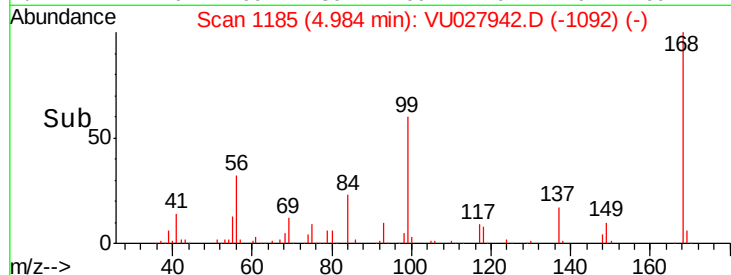
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 16.325 ug/l

RT: 1.21 min Scan# 11

Delta R.T. 0.00 min

Lab File: VU027942.D

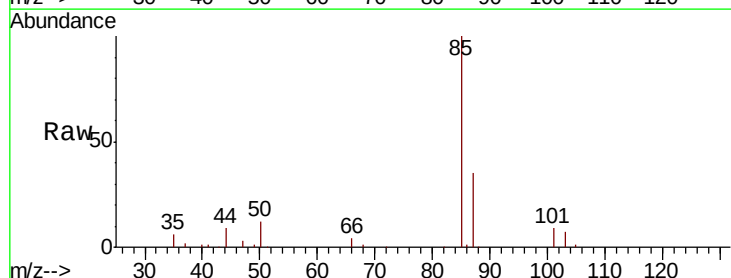
Acq: 05 Nov 2018 09:21

Tgt Ion: 85 Resp: 39085

Ion Ratio Lower Upper

85 100

87 35.1 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU027906.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU027906.D (-3) (-)

1.21

40000

30000

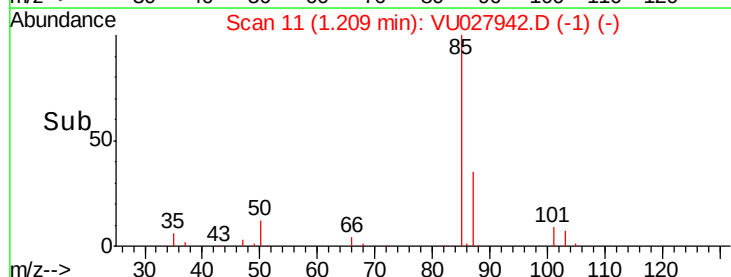
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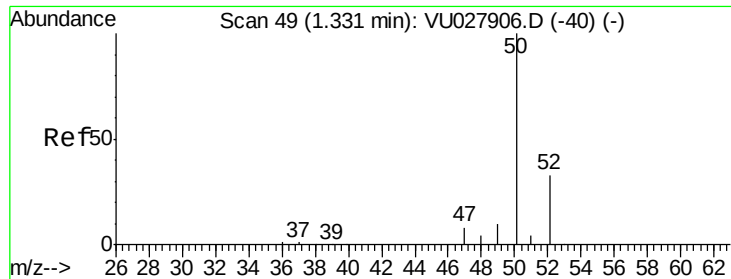
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0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 17.909 ug/l

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU027942.D

Acq: 05 Nov 2018 09:21

Instrument :

MSVOA\_U

ClientSampleId :

VU1105WBS01

Tot Ion: 50 Resp: 51858

Ion Ratio Lower Upper

50 100

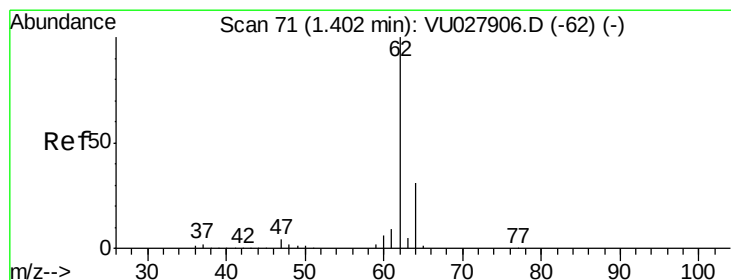
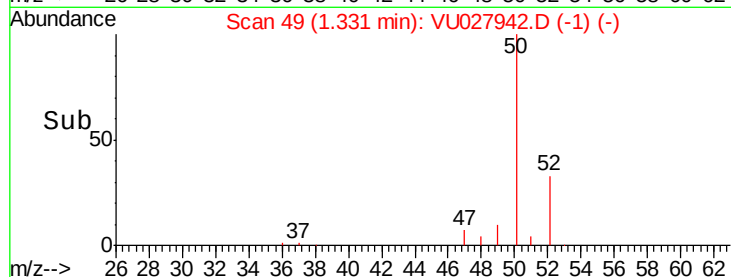
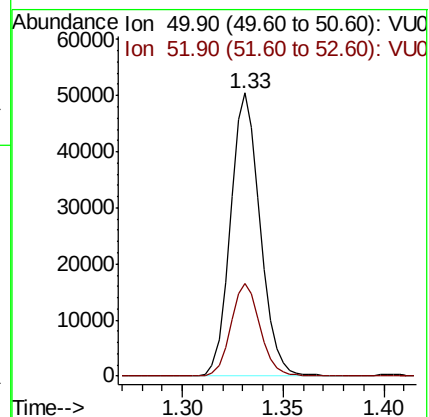
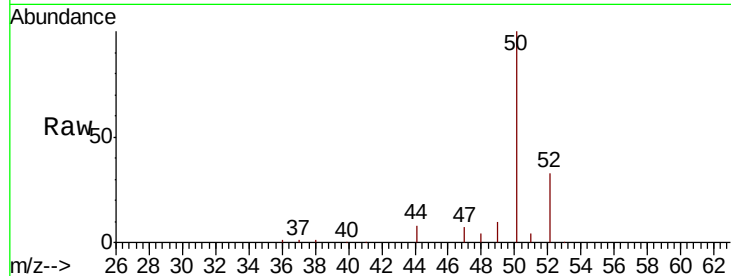
52 32.7 26.2 39.4

Manual Integrations

APPROVED

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11/6/2018 12:06:43 PM



#4

Vinyl Chloride

Concen: 17.685 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027942.D

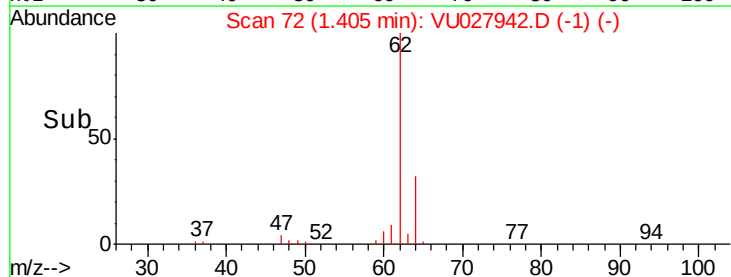
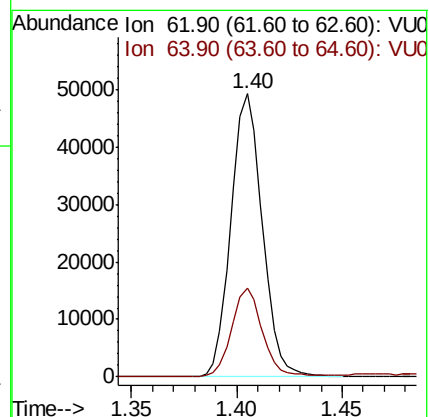
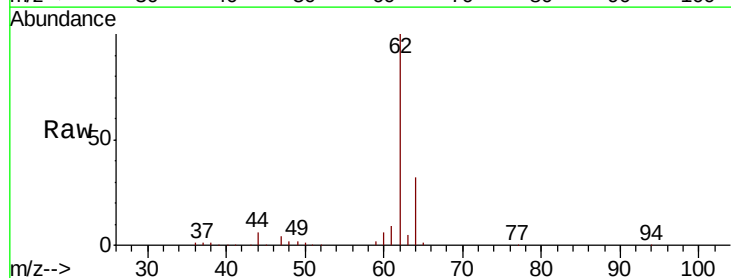
Acq: 05 Nov 2018 09:21

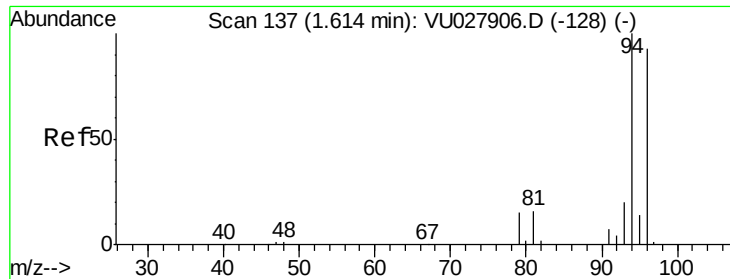
Tgt Ion: 62 Resp: 50825

Ion Ratio Lower Upper

62 100

64 31.6 25.2 37.8





#5

Bromomethane

Concen: 23.372 ug/l

RT: 1.62 min Scan# 140

Delta R.T. 0.01 min

Lab File: VU027942.D

Acq: 05 Nov 2018 09:21

Instrument :

MSVOA\_U

ClientSampleId :

VU1105WBS01

Tot Ion: 94 Resp: 24854

Ion Ratio Lower Upper

94 100

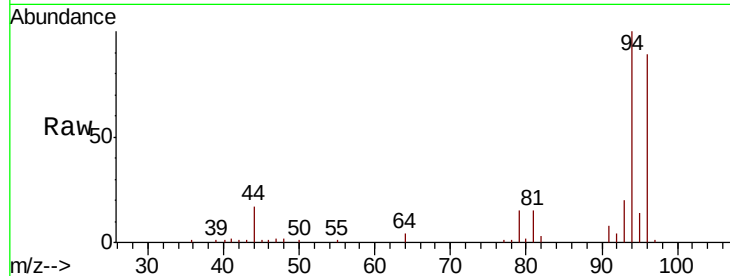
96 89.3 74.8 112.2

Manual Integrations

APPROVED

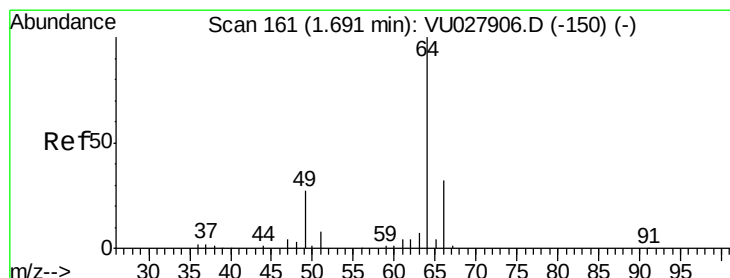
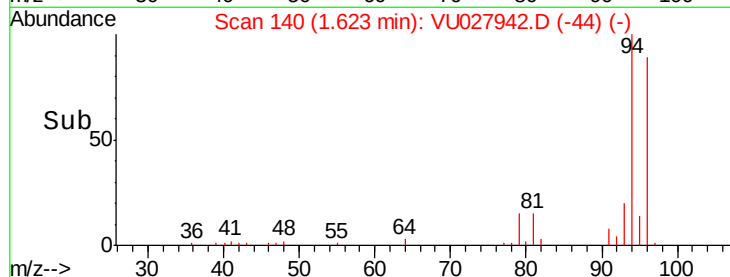
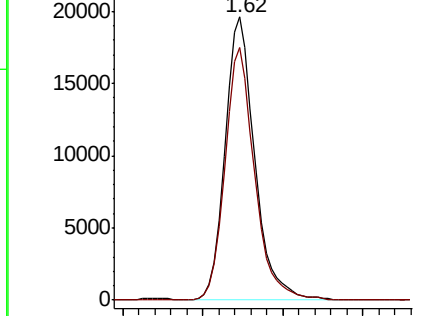
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 18.262 ug/l

RT: 1.70 min Scan# 163

Delta R.T. 0.01 min

Lab File: VU027942.D

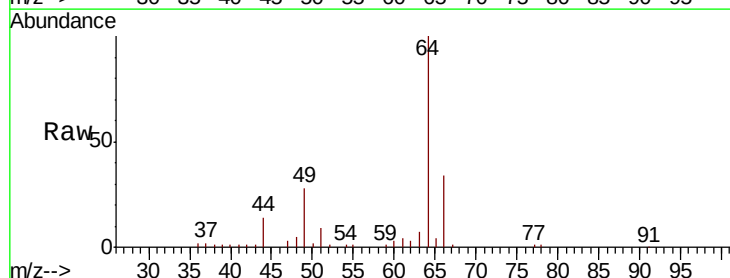
Acq: 05 Nov 2018 09:21

Tgt Ion: 64 Resp: 30244

Ion Ratio Lower Upper

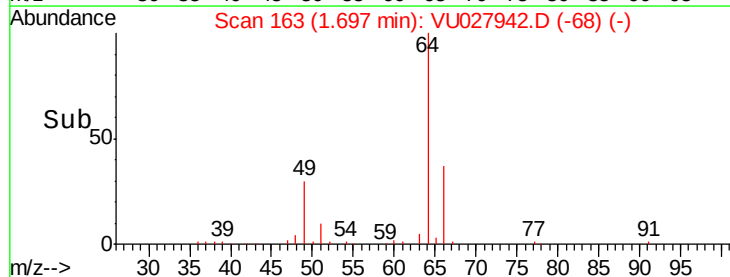
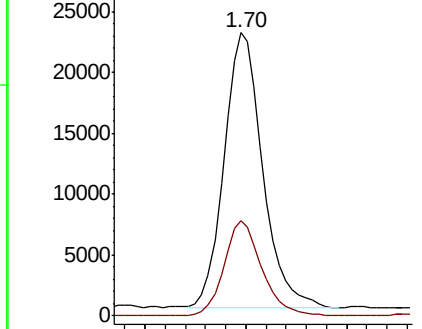
64 100

66 34.8 25.9 38.9

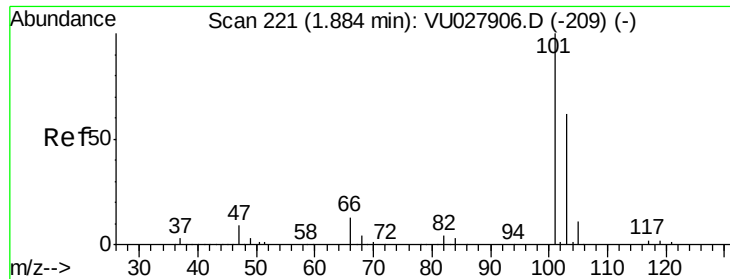


Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0







#7

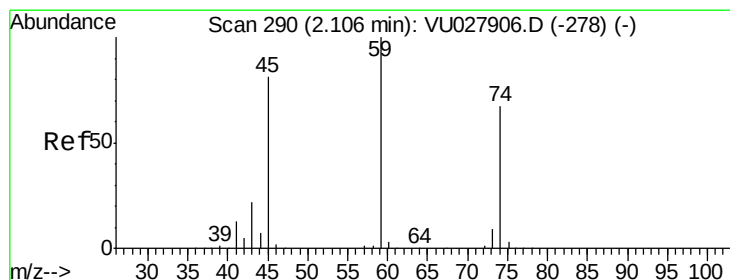
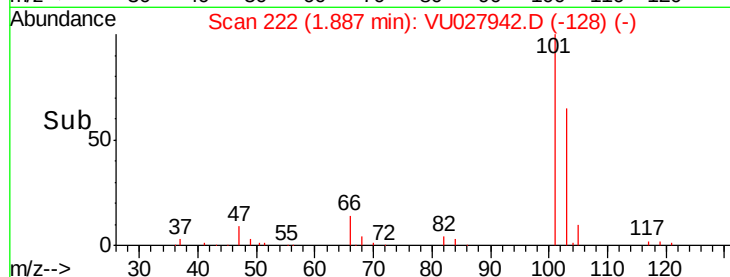
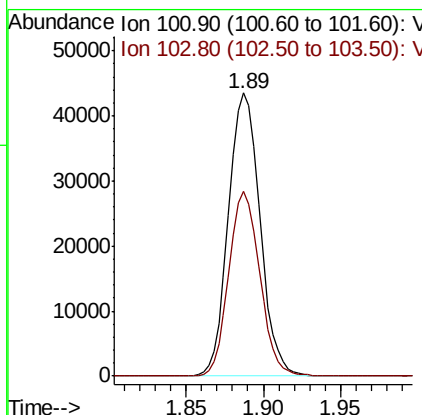
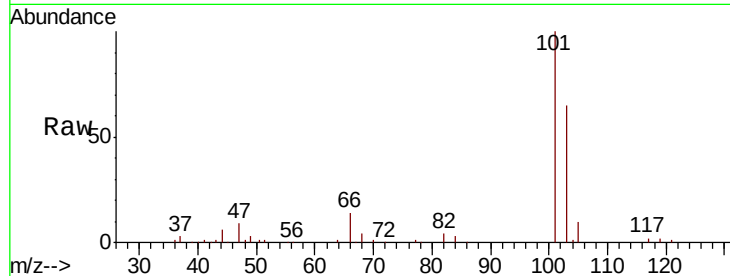
Trichlorofluoromethane  
Concen: 18.578 ug/l  
RT: 1.89 min Scan# 222  
Delta R.T. 0.00 min  
Lab File: VU027942.D  
Acq: 05 Nov 2018 09:21

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1105WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 65.1  | 49.4  | 74.2  |

Manual Integrations  
APPROVED

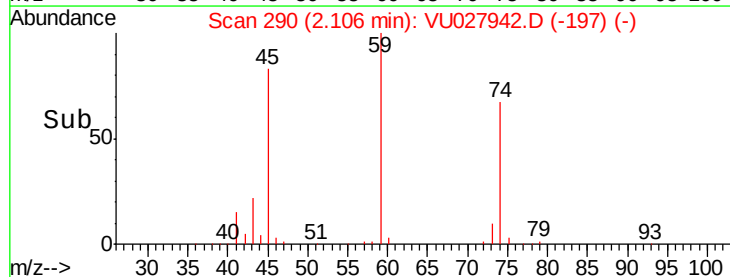
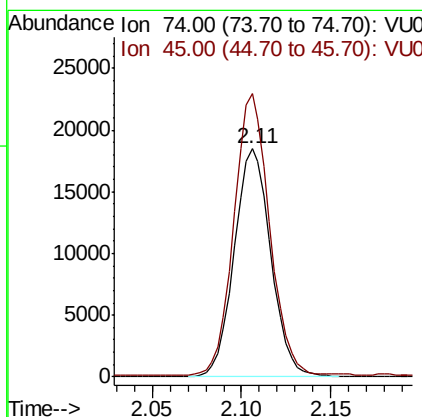
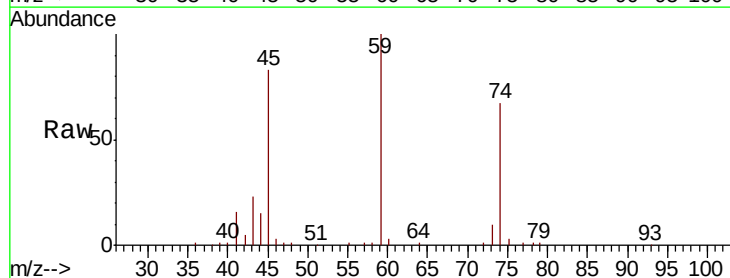
MMDadoda  
11/6/2018 12:06:43 PM



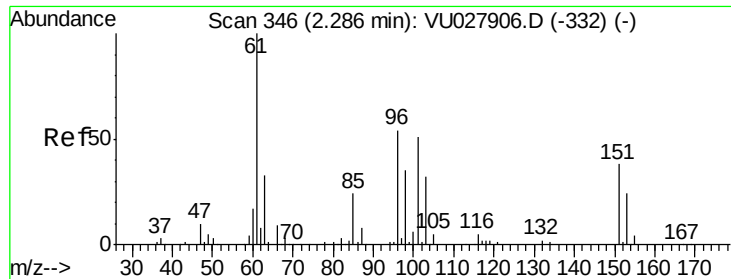
#8

Diethyl Ether  
Concen: 18.595 ug/l  
RT: 2.11 min Scan# 290  
Delta R.T. -0.00 min  
Lab File: VU027942.D  
Acq: 05 Nov 2018 09:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 120.2 | 60.5  | 181.5 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.579 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027942.D

Acq: 05 Nov 2018 09:21

Instrument :

MSVOA\_U

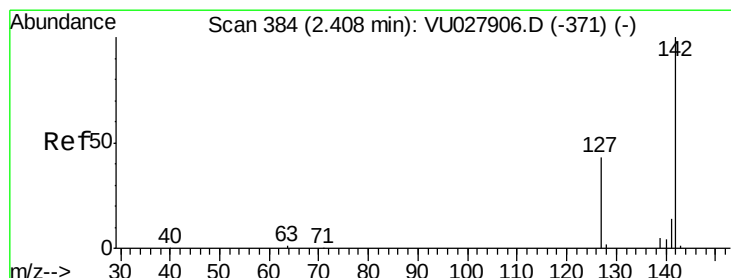
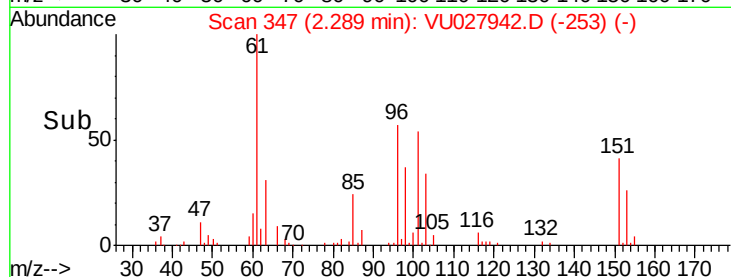
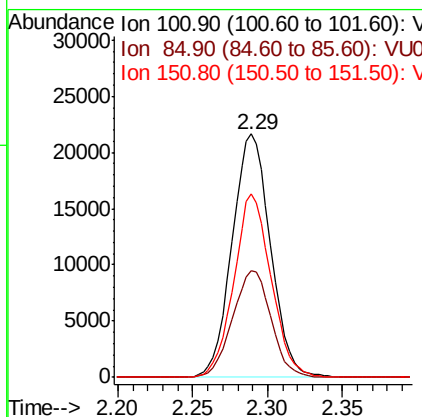
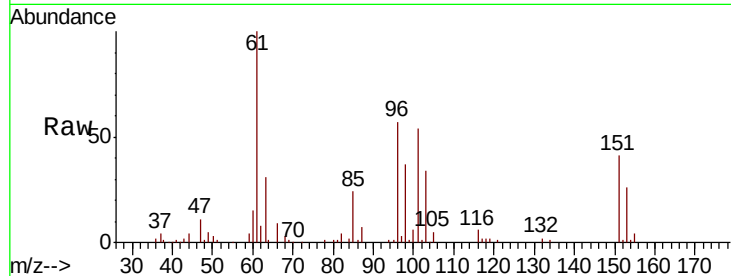
ClientSampleId :

VU1105WBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 38626 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 43.8  | 36.9  | 55.3  |
| 151       | 73.1  | 58.0  | 87.0  |

Manual Integrations  
APPROVED

MMDadoda  
11/6/2018 12:06:43 PM



#10

Methyl Iodide

Concen: 22.021 ug/l

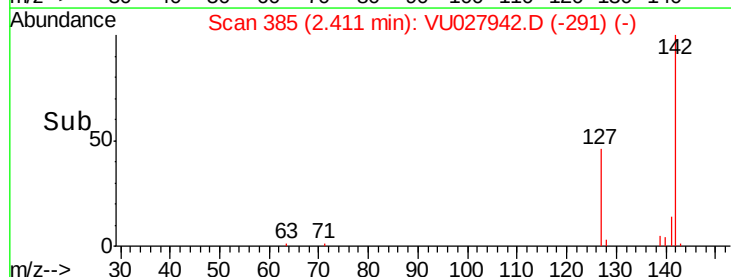
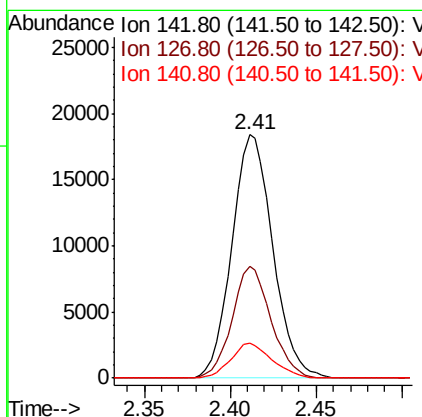
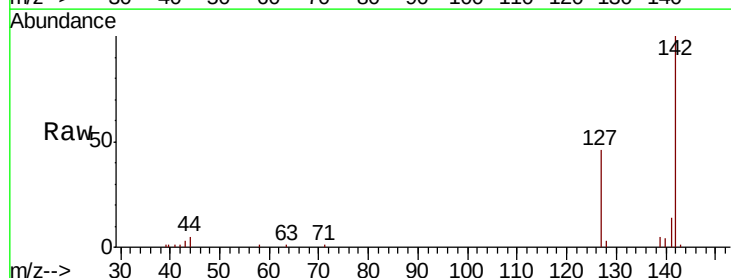
RT: 2.41 min Scan# 385

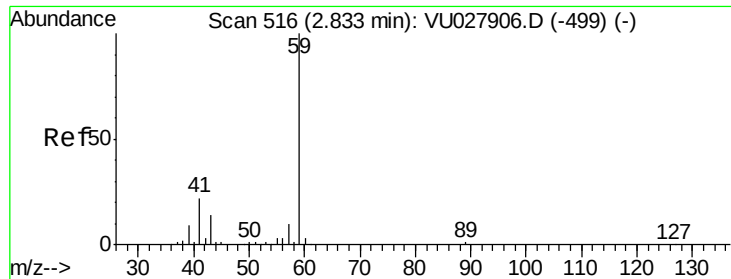
Delta R.T. 0.00 min

Lab File: VU027942.D

Acq: 05 Nov 2018 09:21

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 30586 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 43.3  | 35.2  | 52.8  |
| 141       | 14.3  | 11.8  | 17.8  |





#11

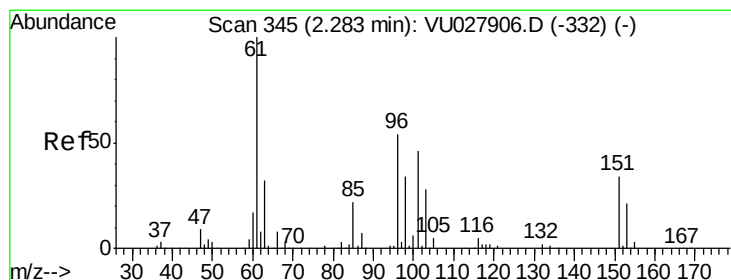
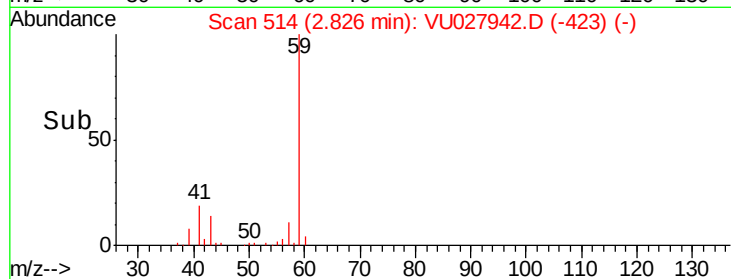
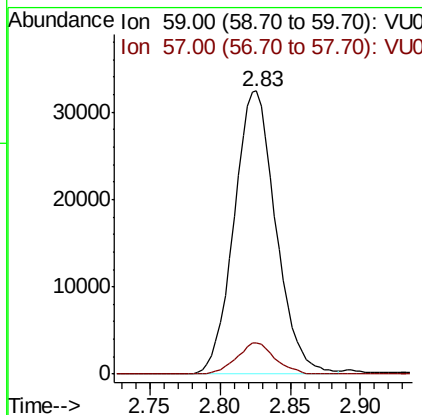
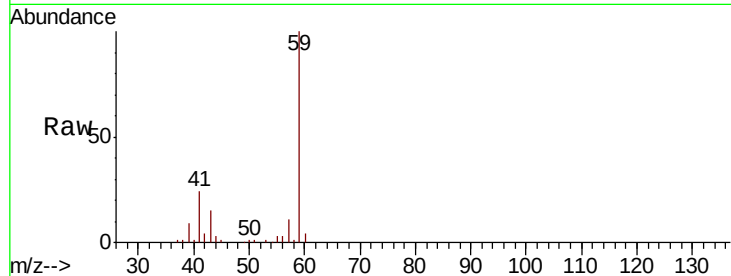
Tert butyl alcohol  
Concen: 90.614 ug/l  
RT: 2.83 min Scan# 514  
Delta R.T. -0.01 min  
Lab File: VU027942.D  
Acq: 05 Nov 2018 09:21

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1105WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.1  | 7.8   | 11.8  |

Manual Integrations  
APPROVED

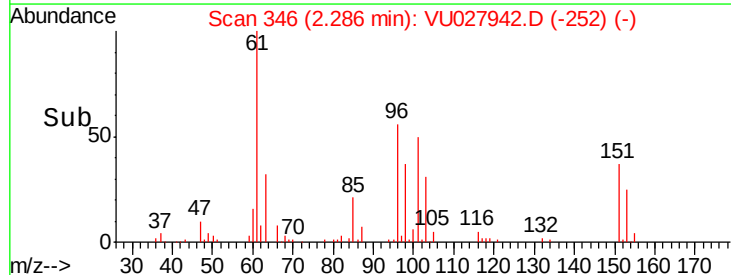
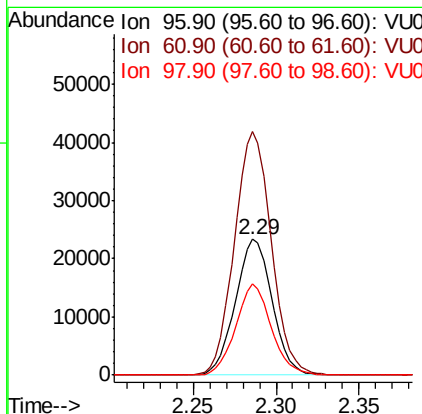
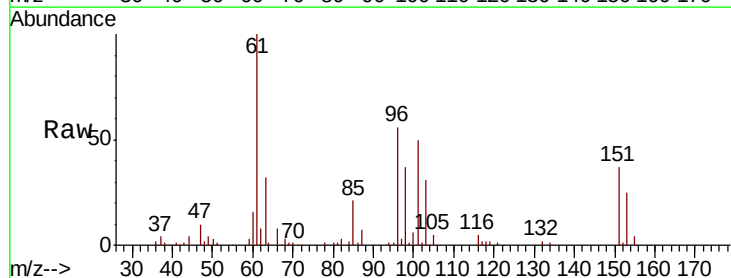
MMDadoda  
11/6/2018 12:06:43 PM

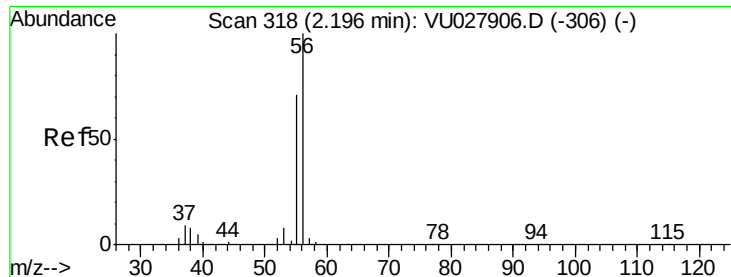


#12

1,1-Dichloroethene  
Concen: 18.183 ug/l  
RT: 2.29 min Scan# 346  
Delta R.T. 0.00 min  
Lab File: VU027942.D  
Acq: 05 Nov 2018 09:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 179.2 | 149.3 | 223.9 |
| 98      | 66.9  | 50.6  | 75.8  |





#13

Acrolein

Concen: 66.010 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU027942.D

Acq: 05 Nov 2018 09:21

Instrument :

MSVOA\_U

ClientSampleId :

VU1105WBS01

Tot Ion: 56 Resp: 19371

Ion Ratio Lower Upper

56 100

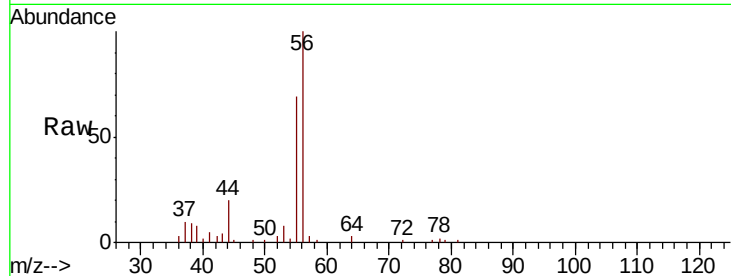
55 69.6 56.2 84.4

Manual Integrations

APPROVED

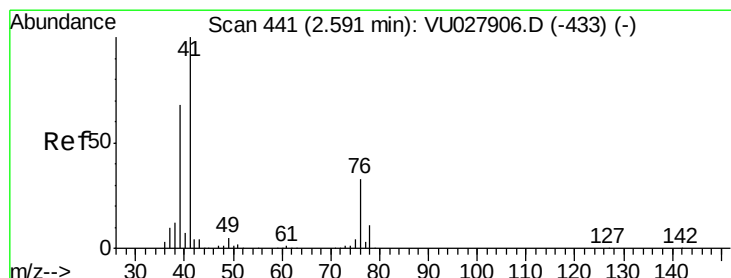
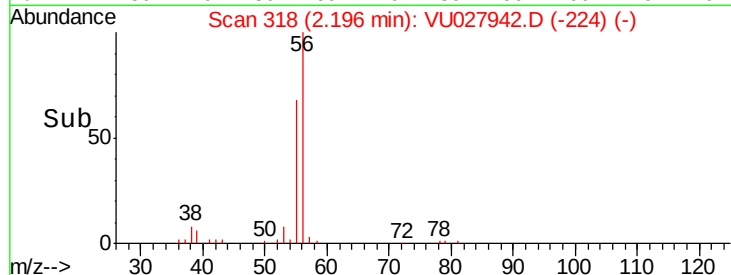
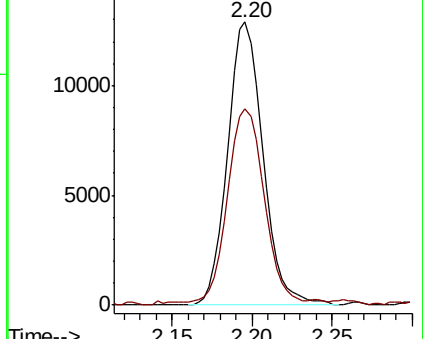
MMDadoda

11/6/2018 12:06:43 PM



Abundance Ion 56.00 (55.70 to 56.70): VU027942.D (-224) (-)

Ion 55.00 (54.70 to 55.70): VU027942.D (-224) (-)



#14

Allyl chloride

Concen: 18.031 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.00 min

Lab File: VU027942.D

Acq: 05 Nov 2018 09:21

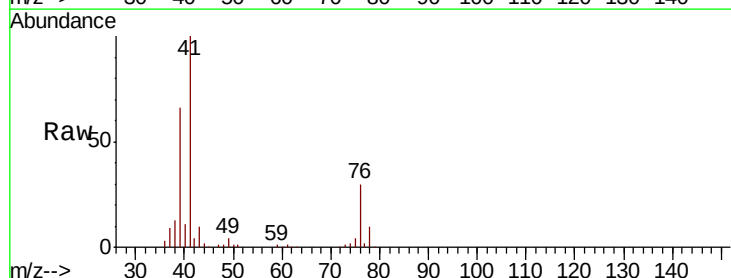
Tgt Ion: 41 Resp: 87023

Ion Ratio Lower Upper

41 100

39 62.2 51.9 77.9

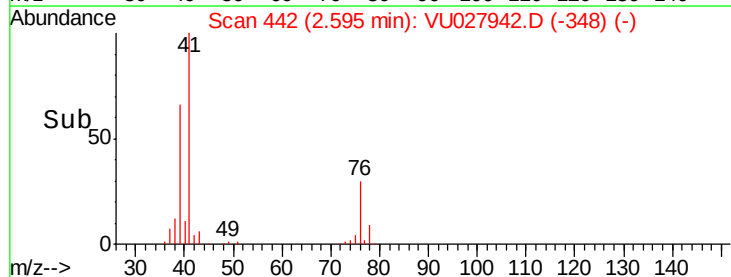
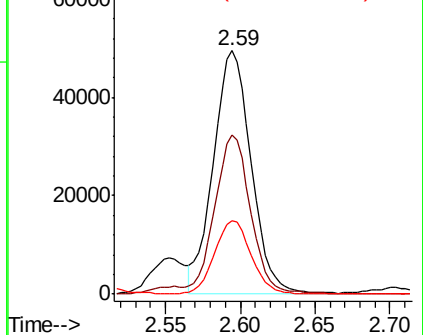
76 29.4 23.8 35.6

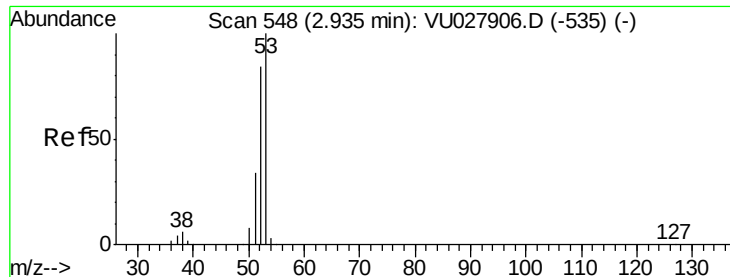


Abundance Ion 41.00 (40.70 to 41.70): VU027942.D (-348) (-)

Ion 39.00 (38.70 to 39.70): VU027942.D (-348) (-)

Ion 75.90 (75.60 to 76.60): VU027942.D (-348) (-)





#15

Acrylonitrile

Concen: 93.346 ug/l

RT: 2.94 min Scan# 548

Delta R.T. -0.00 min

Lab File: VU027942.D

Acq: 05 Nov 2018 09:21

Instrument :

MSVOA\_U

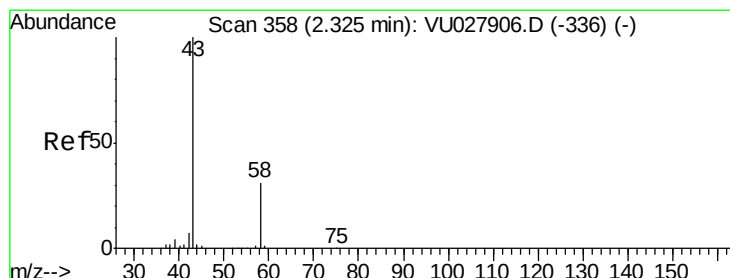
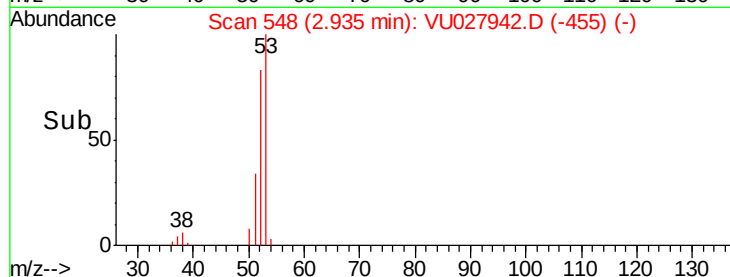
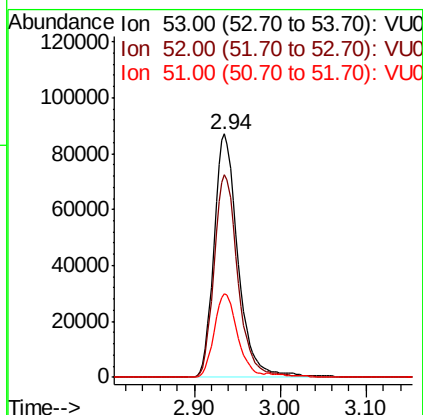
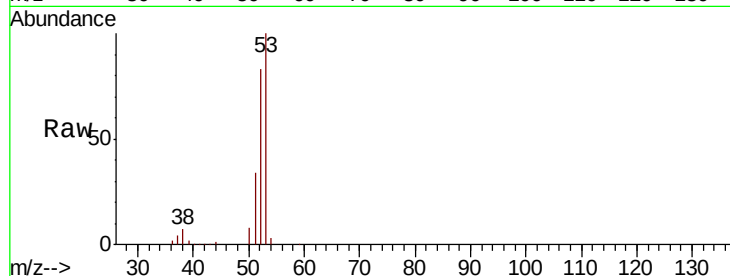
ClientSampleId :

VU1105WBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 170048 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 82.6  | 66.2  | 99.2   |
| 51       | 34.8  | 27.0  | 40.4   |

Manual Integrations  
APPROVED

MMDadoda  
11/6/2018 12:06:43 PM



#16

Acetone

Concen: 99.632 ug/l

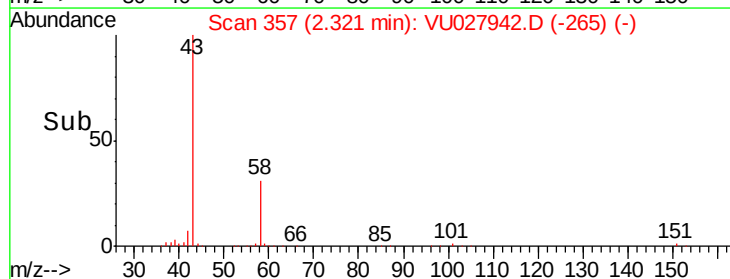
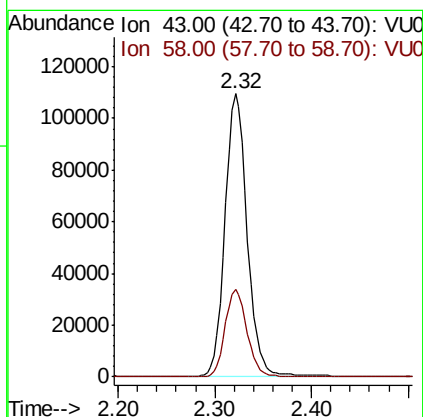
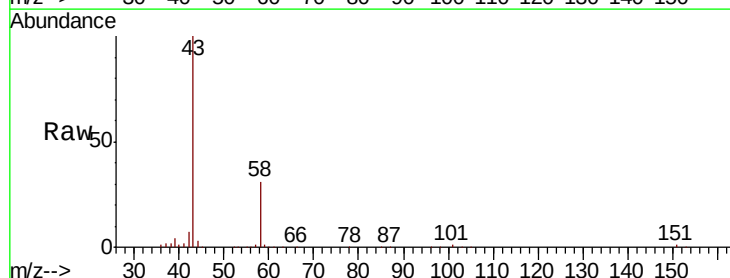
RT: 2.32 min Scan# 357

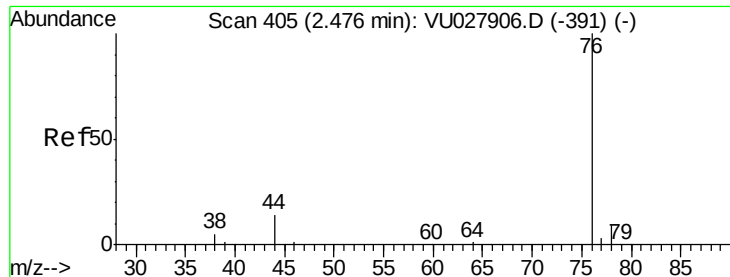
Delta R.T. -0.00 min

Lab File: VU027942.D

Acq: 05 Nov 2018 09:21

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 173167 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 30.8  | 24.6  | 37.0   |





#17

Carbon Disulfide

Concen: 17.709 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027942.D

Acq: 05 Nov 2018 09:21

Instrument :

MSVOA\_U

ClientSampleId :

VU1105WBS01

Tot Ion: 76 Resp: 114306

Ion Ratio Lower Upper

76 100

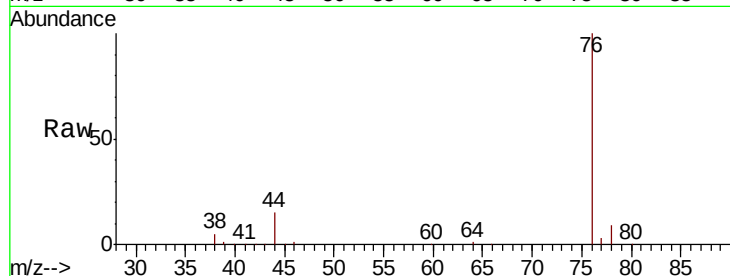
78 9.1 7.4 11.0

Manual Integrations

APPROVED

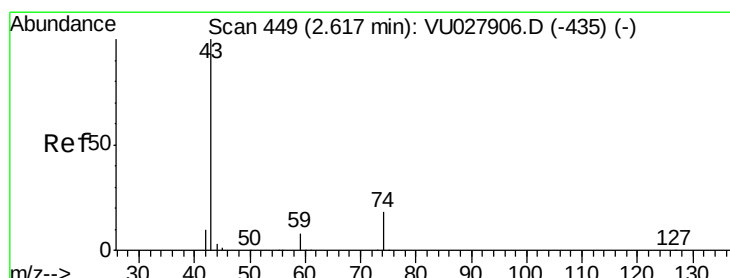
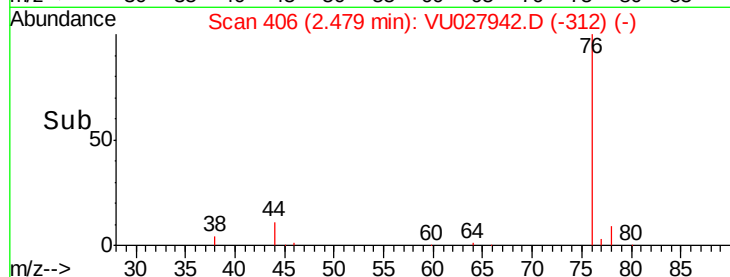
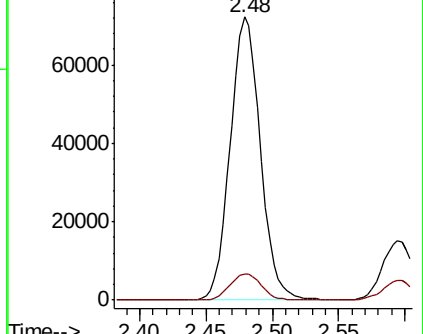
MMDadoda

11/6/2018 12:06:43 PM



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 18.155 ug/l

RT: 2.62 min Scan# 449

Delta R.T. -0.00 min

Lab File: VU027942.D

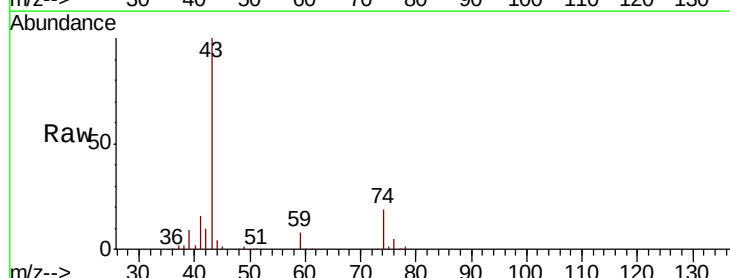
Acq: 05 Nov 2018 09:21

Tgt Ion: 43 Resp: 86804

Ion Ratio Lower Upper

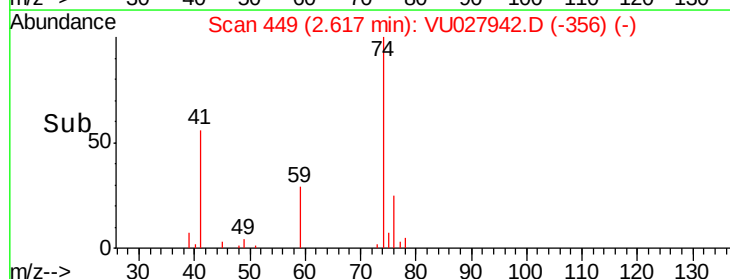
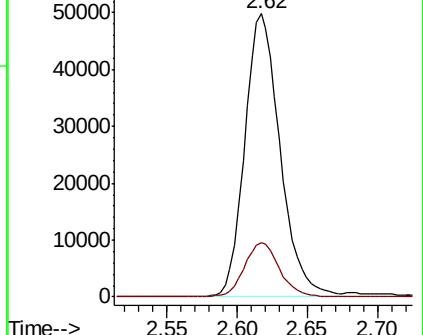
43 100

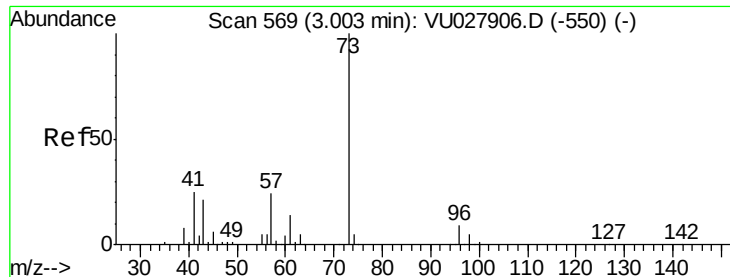
74 19.3 14.9 22.3



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





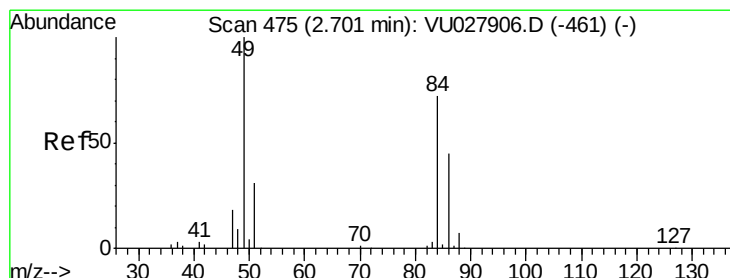
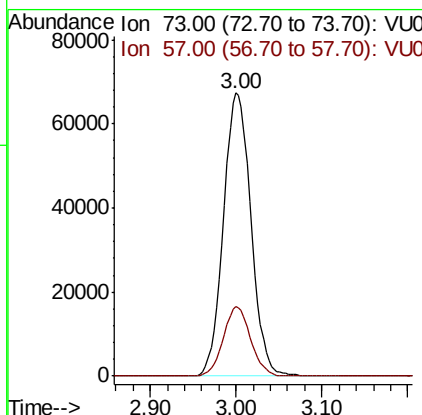
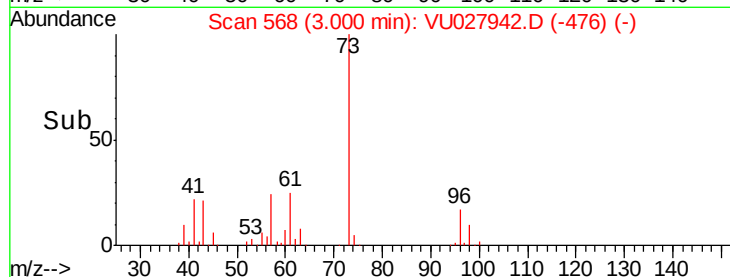
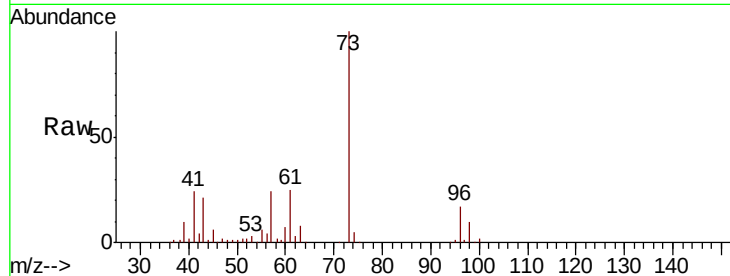
#19  
Methyl tert-butyl Ether  
Concen: 18.783 ug/l  
RT: 3.00 min Scan# 568  
Delta R.T. -0.00 min  
Lab File: VU027942.D  
Acq: 05 Nov 2018 09:21

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1105WBS01

Tot Ion: 73 Resp: 149582  
Ion Ratio Lower Upper  
73 100  
57 24.4 19.3 28.9

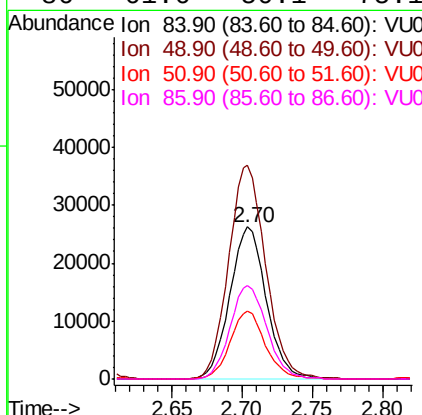
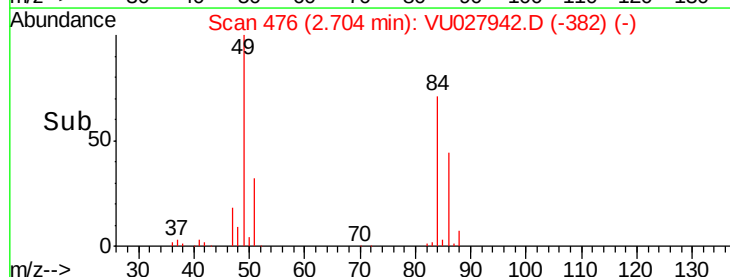
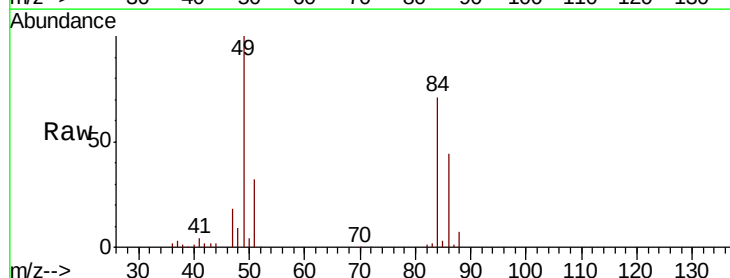
Manual Integrations  
APPROVED

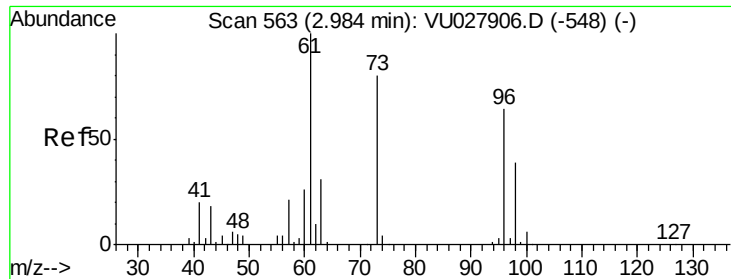
MMDadoda  
11/6/2018 12:06:43 PM



#20  
Methylene Chloride  
Concen: 18.698 ug/l  
RT: 2.70 min Scan# 476  
Delta R.T. 0.00 min  
Lab File: VU027942.D  
Acq: 05 Nov 2018 09:21

Tgt Ion: 84 Resp: 47449  
Ion Ratio Lower Upper  
84 100  
49 140.5 111.6 167.4  
51 45.0 34.8 52.2  
86 61.6 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 18.096 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU027942.D

Acq: 05 Nov 2018 09:21

Instrument :

MSVOA\_U

ClientSampleId :

VU1105WBS01

Tot Ion: 96 Resp: 41240

Ion Ratio Lower Upper

96 100

61 156.4 125.0 187.6

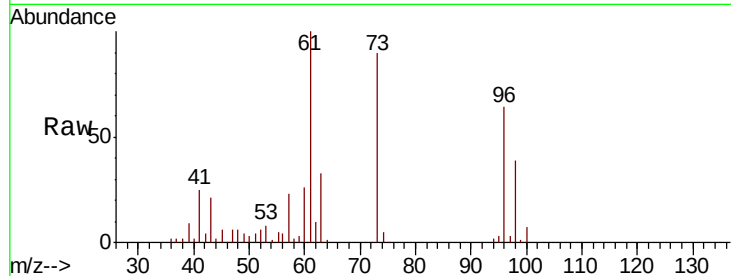
98 60.5 48.2 72.4

Manual Integrations

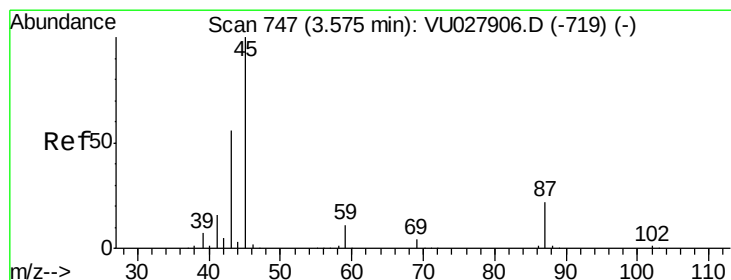
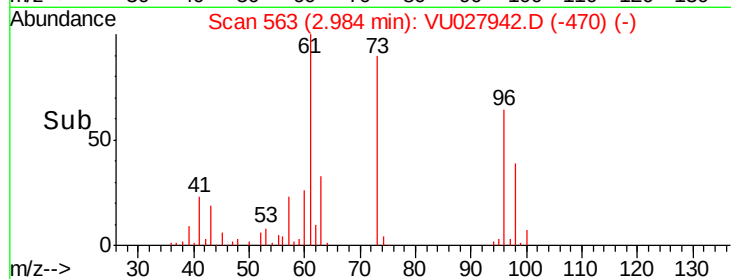
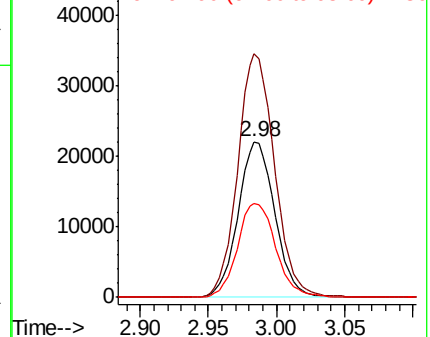
APPROVED

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11/6/2018 12:06:43 PM



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



#22

Diisopropyl ether

Concen: 18.941 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU027942.D

Acq: 05 Nov 2018 09:21

Tgt Ion: 45 Resp: 188733

Ion Ratio Lower Upper

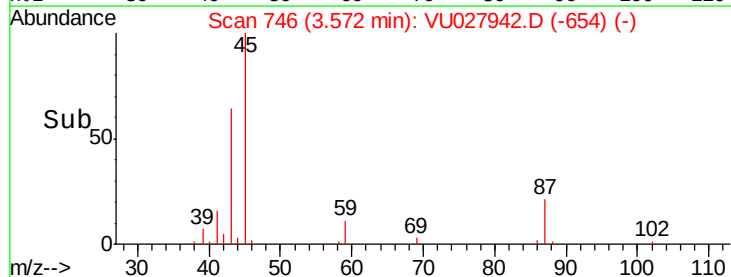
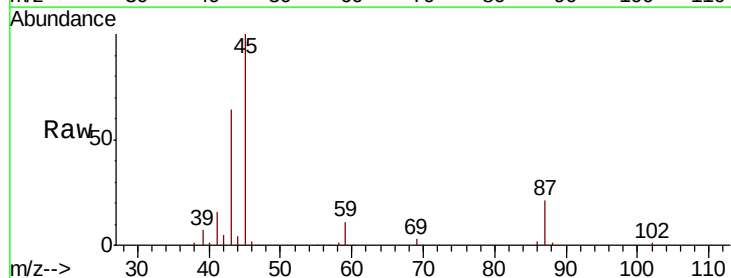
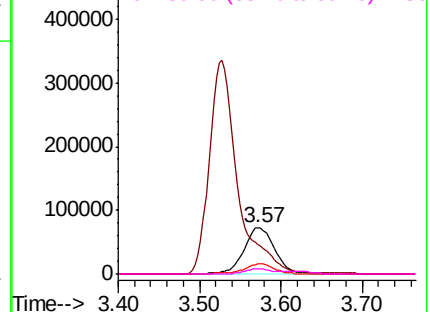
45 100

43 62.6 45.0 67.6

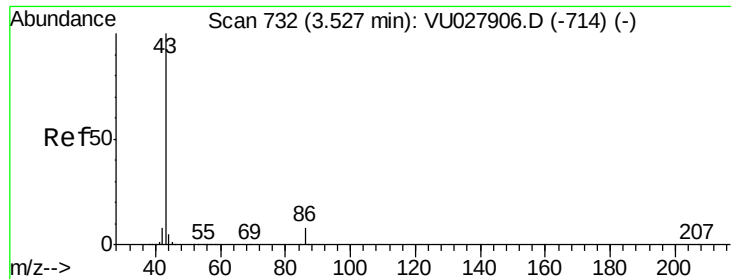
87 21.3 17.9 26.9

59 11.2 8.6 12.8

Abundance Ion 45.00 (44.70 to 45.70): VU0  
Ion 43.00 (42.70 to 43.70): VU0  
Ion 87.00 (86.70 to 87.70): VU0  
Ion 59.00 (58.70 to 59.70): VU0







#23

Vinyl Acetate

Concen: 95.528 ug/l

RT: 3.53 min Scan# 732

Delta R.T. -0.00 min

Lab File: VU027942.D

Acq: 05 Nov 2018 09:21

Instrument :

MSVOA\_U

ClientSampleId :

VU1105WBS01

Tot Ion: 43 Resp: 818060

Ion Ratio Lower Upper

43 100

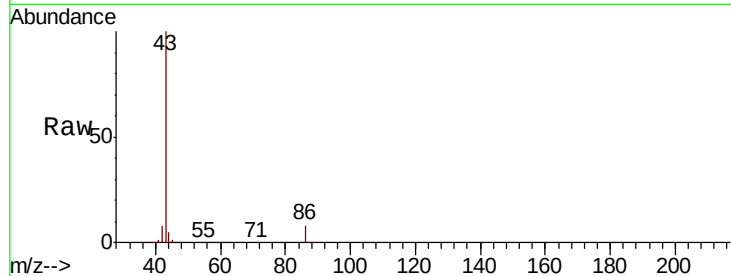
86 8.4 6.6 9.8

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Abundance Ion 43.00 (42.70 to 43.70): VU027942.D (-639) (-)

Ion 86.00 (85.70 to 86.70): VU027942.D (-639) (-)

3.53

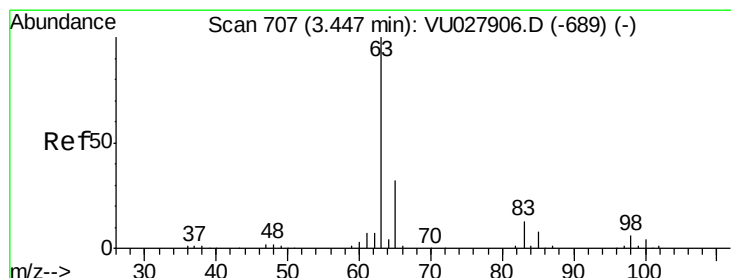
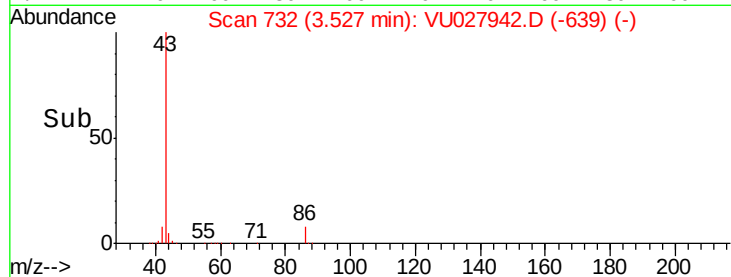
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.593 ug/l

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU027942.D

Acq: 05 Nov 2018 09:21

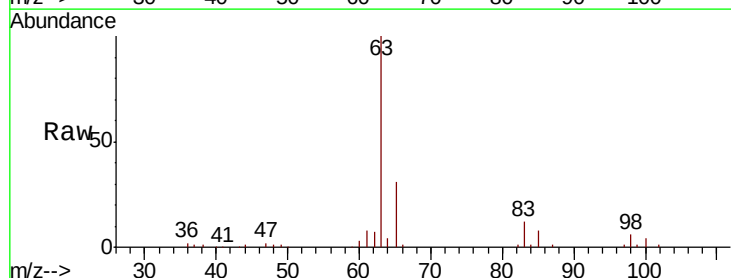
Tgt Ion: 63 Resp: 92282

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.6

100 3.5 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU027942.D (-614) (-)

Ion 97.90 (97.60 to 98.60): VU027942.D (-614) (-)

Ion 99.90 (99.60 to 100.60): VU027942.D (-614) (-)

3.45

50000

40000

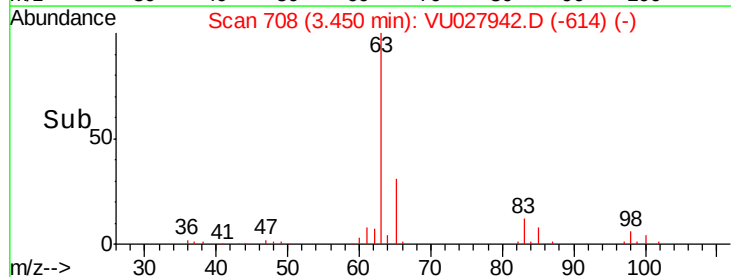
30000

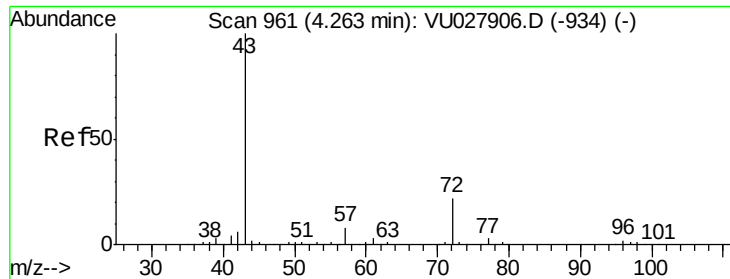
20000

10000

0

Time-->





#25

2-Butanone

Concen: 93.872 ug/l

RT: 4.26 min Scan# 961

Delta R.T. -0.00 min

Lab File: VU027942.D

Acq: 05 Nov 2018 09:21

Instrument :

MSVOA\_U

ClientSampleId :

VU1105WBS01

Tot Ion: 43 Resp: 259565

Ion Ratio Lower Upper

43 100

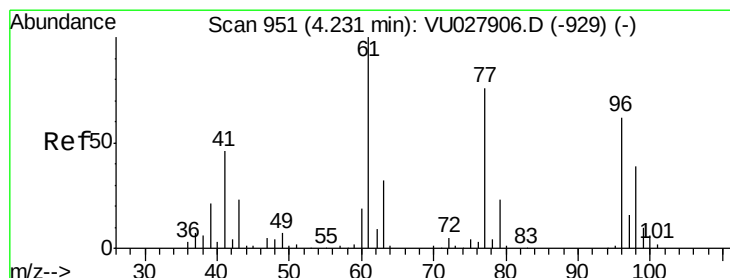
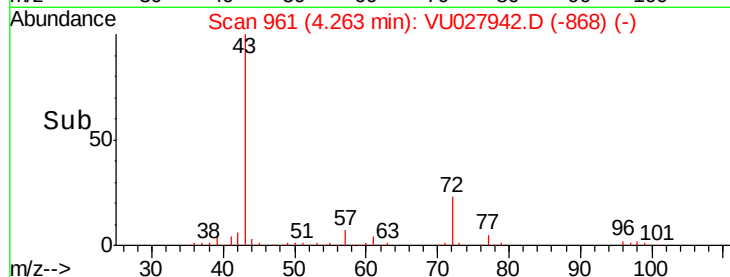
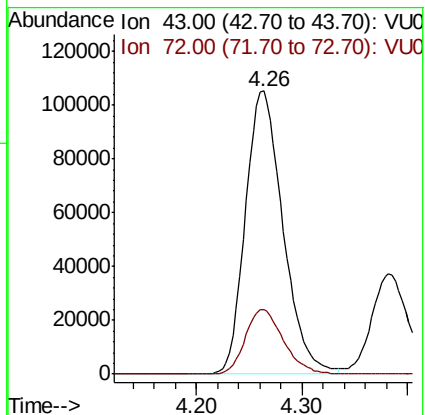
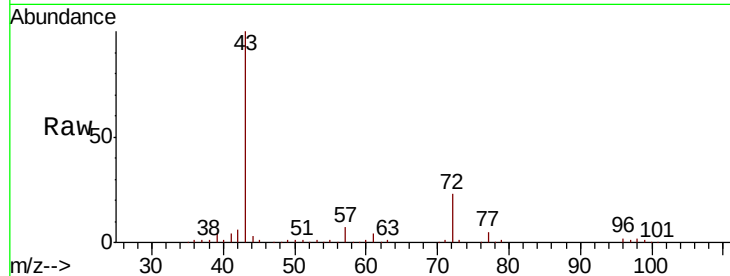
72 22.9 17.7 26.5

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#26

2,2-Dichloropropane

Concen: 19.789 ug/l

RT: 4.23 min Scan# 951

Delta R.T. -0.00 min

Lab File: VU027942.D

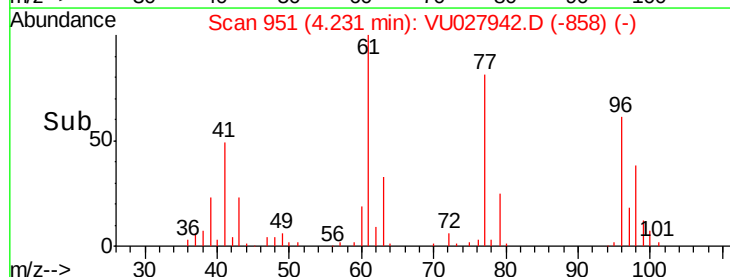
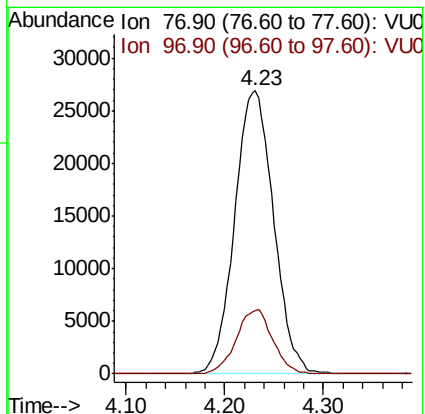
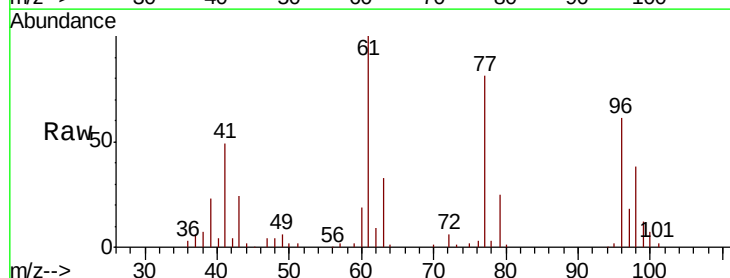
Acq: 05 Nov 2018 09:21

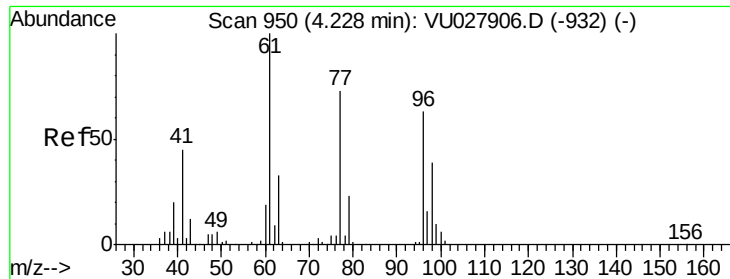
Tgt Ion: 77 Resp: 73706

Ion Ratio Lower Upper

77 100

97 21.3 11.2 33.5





#27

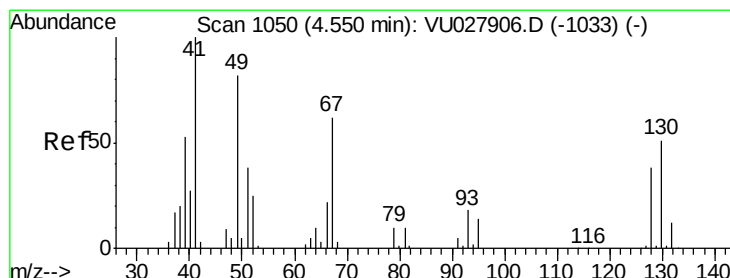
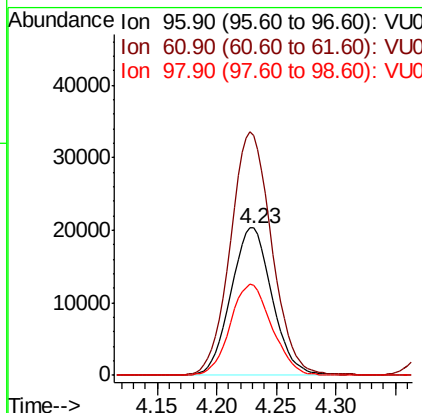
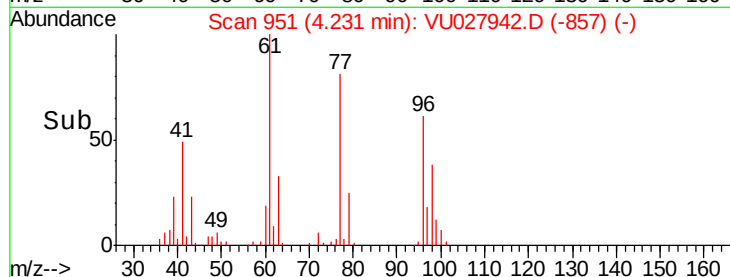
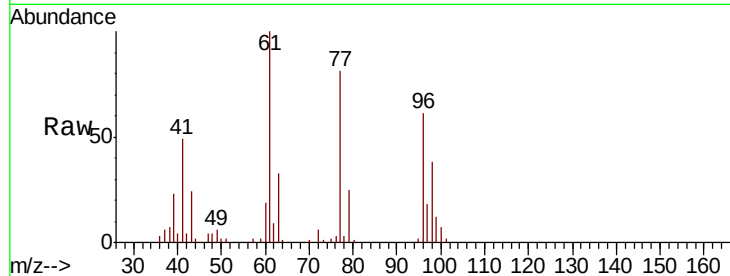
cis-1,2-Dichloroethene  
Concen: 19.084 ug/l  
RT: 4.23 min Scan# 951  
Delta R.T. 0.00 min  
Lab File: VU027942.D  
Acq: 05 Nov 2018 09:21

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1105WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 165.7 | 0.0   | 329.6 |
| 98      | 62.2  | 0.0   | 127.2 |

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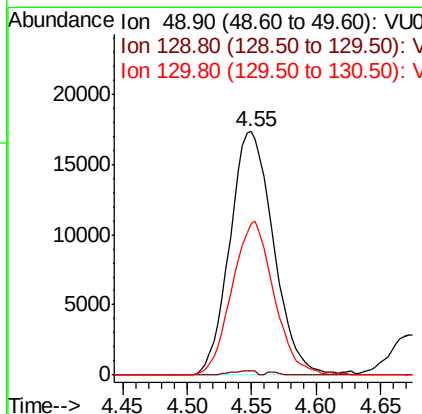
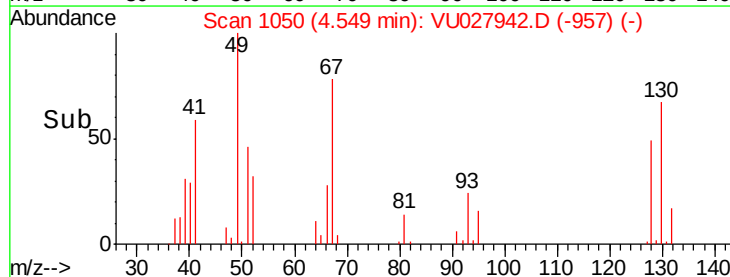
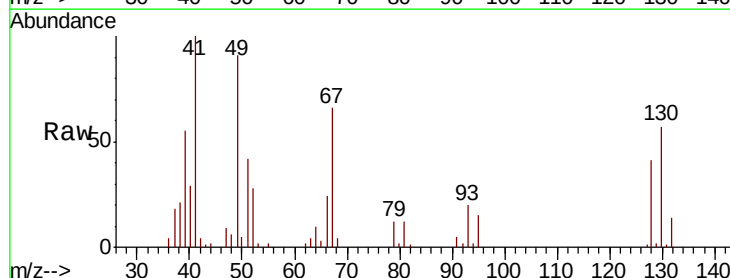
MMDadoda  
11/6/2018 12:06:43 PM

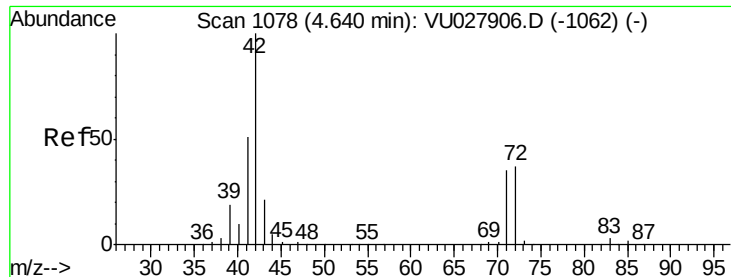


#28

Bromochloromethane  
Concen: 17.527 ug/l  
RT: 4.55 min Scan# 1050  
Delta R.T. -0.00 min  
Lab File: VU027942.D  
Acq: 05 Nov 2018 09:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 1.1   | 0.0   | 3.0   |
| 130     | 60.7  | 47.8  | 71.6  |





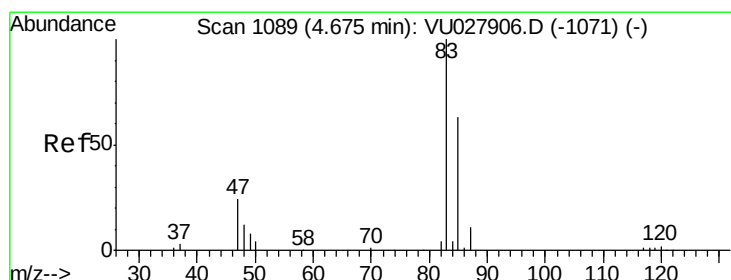
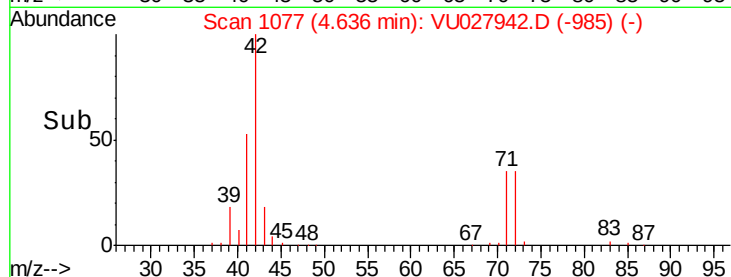
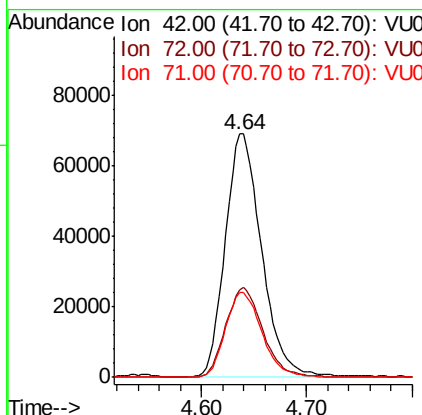
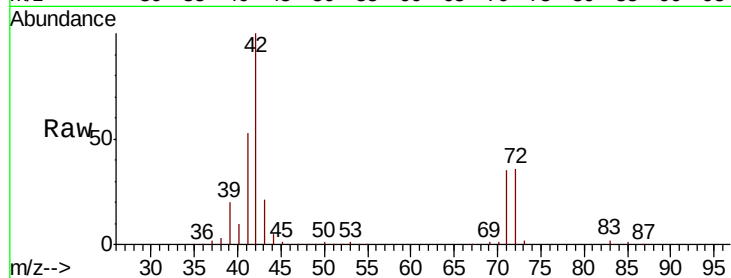
#29  
Tetrahydrofuran  
Concen: 89.713 ug/l  
RT: 4.64 min Scan# 1077  
Delta R.T. -0.00 min  
Lab File: VU027942.D  
Acq: 05 Nov 2018 09:21

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1105WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 37.7  | 29.4  | 44.0  |
| 71      | 34.9  | 27.9  | 41.9  |

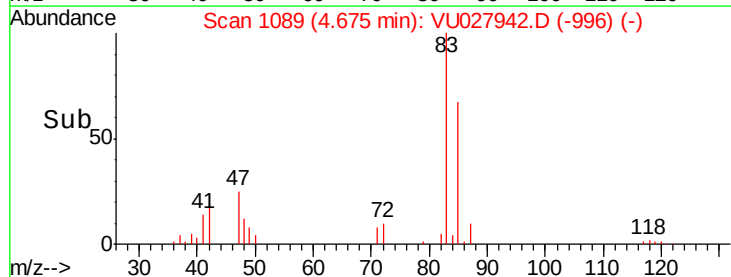
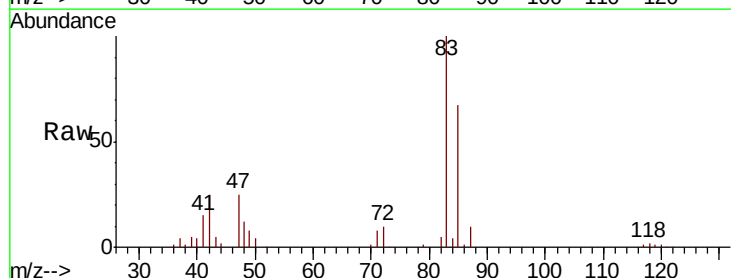
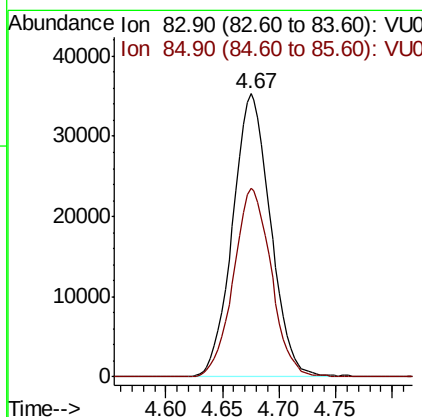
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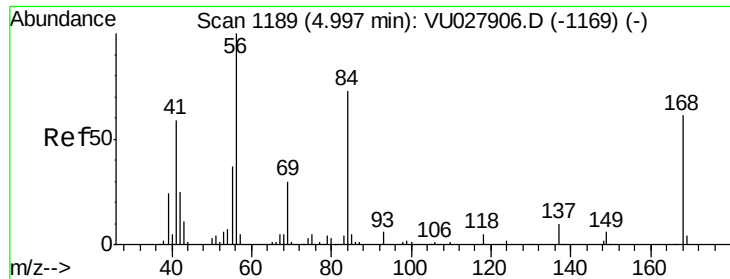
MMDadoda  
11/6/2018 12:06:43 PM



#30  
Chloroform  
Concen: 18.058 ug/l  
RT: 4.67 min Scan# 1089  
Delta R.T. -0.00 min  
Lab File: VU027942.D  
Acq: 05 Nov 2018 09:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 66.8  | 50.6  | 76.0  |





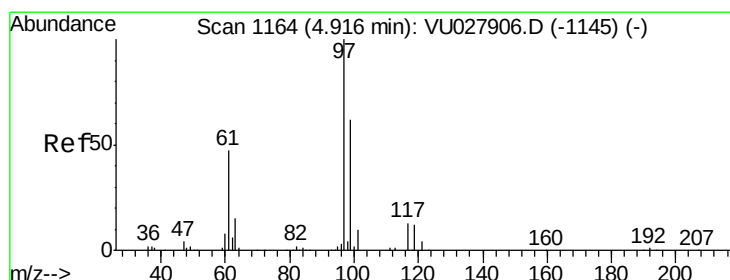
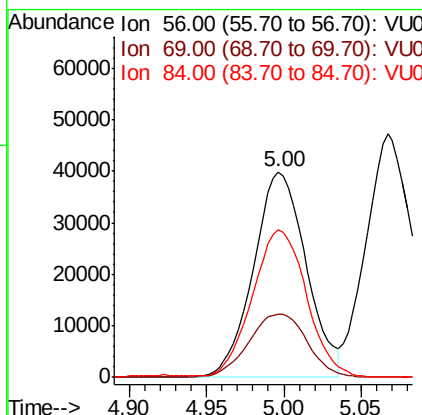
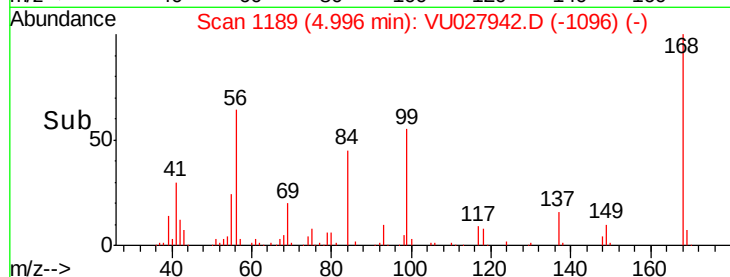
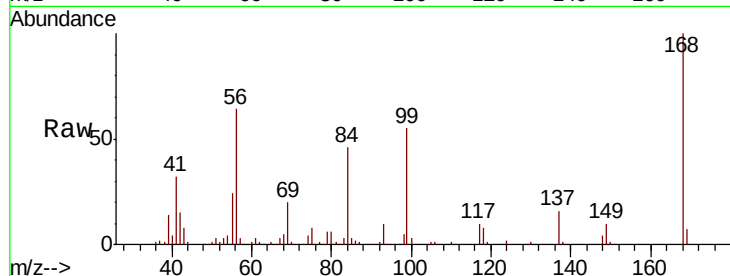
#31  
Cyclohexane  
Concen: 18.400 ug/l  
RT: 5.00 min Scan# 1189  
Delta R.T. 0.00 min  
Lab File: VU027942.D  
Acq: 05 Nov 2018 09:21

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1105WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 30.6  | 23.7  | 35.5  |
| 84      | 70.8  | 58.2  | 87.4  |

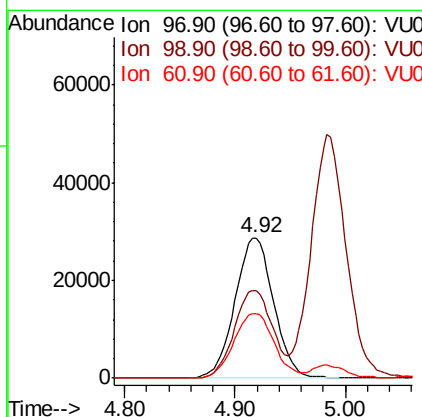
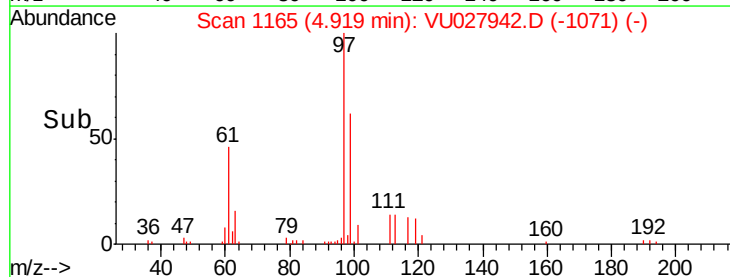
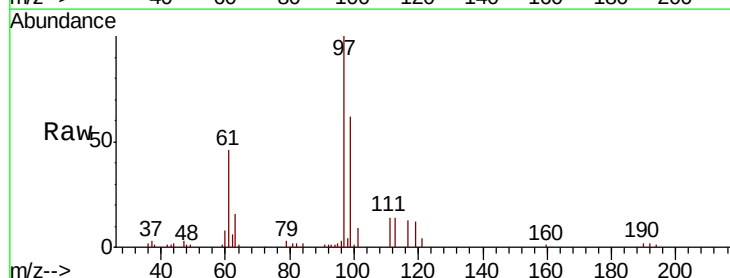
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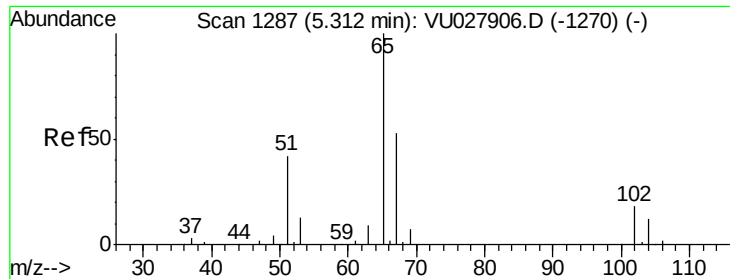
MMDadoda  
11/6/2018 12:06:43 PM



#32  
1,1,1-Trichloroethane  
Concen: 19.244 ug/l  
RT: 4.92 min Scan# 1165  
Delta R.T. 0.00 min  
Lab File: VU027942.D  
Acq: 05 Nov 2018 09:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 62.0  | 50.5  | 75.7  |
| 61      | 47.9  | 38.3  | 57.5  |





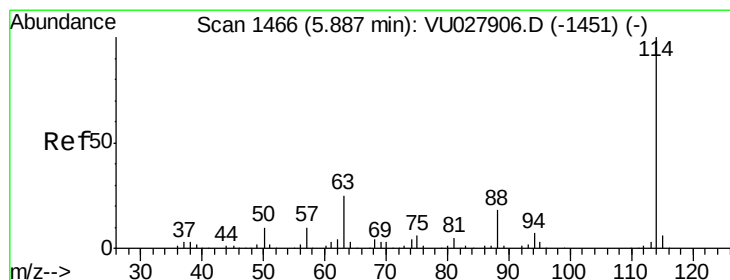
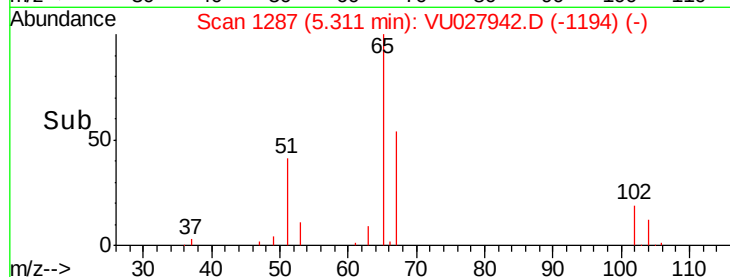
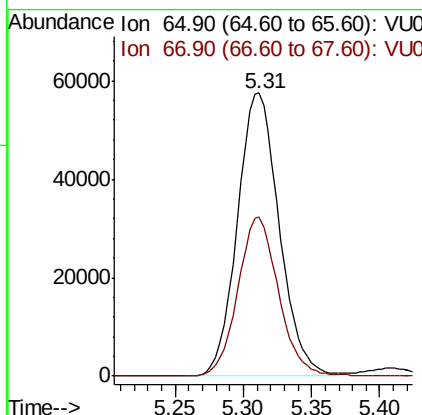
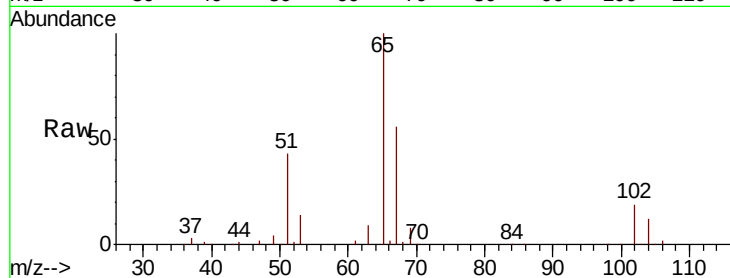
#33  
 1,2-Dichloroethane-d4  
 Concen: 43.738 ug/l  
 RT: 5.31 min Scan# 1287  
 Delta R.T. -0.00 min  
 Lab File: VU027942.D  
 Acq: 05 Nov 2018 09:21

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1105WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 122525 |       |       |
| 67      | 54.7  | 0.0    | 109.0 |       |

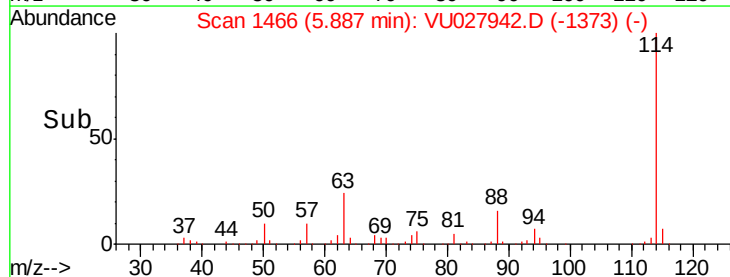
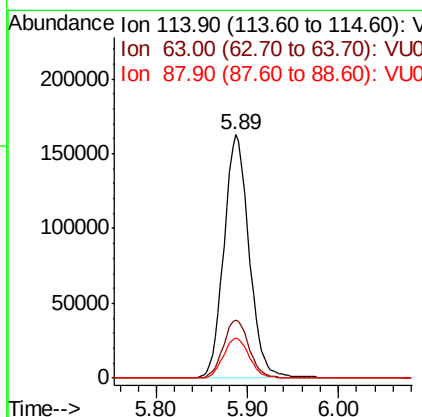
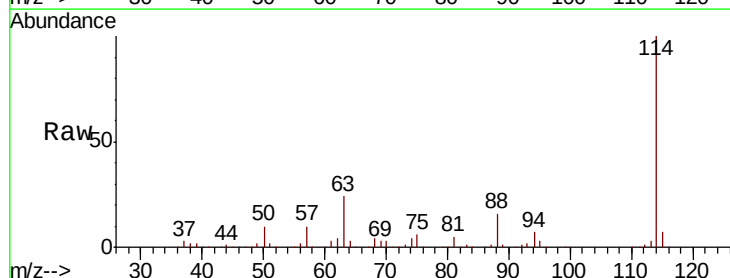
Manual Integrations  
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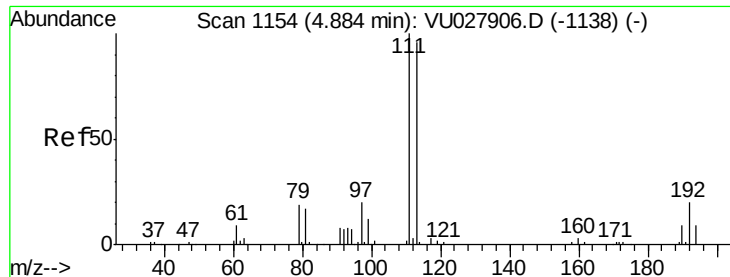
MMDadoda  
 11/6/2018 12:06:43 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.89 min Scan# 1466  
 Delta R.T. -0.00 min  
 Lab File: VU027942.D  
 Acq: 05 Nov 2018 09:21

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 314577 |       |       |
| 63      | 24.0  | 0.0    | 50.8  |       |
| 88      | 16.4  | 0.0    | 35.8  |       |





#35

Dibromofluoromethane

Concen: 46.132 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VU027942.D

Acq: 05 Nov 2018 09:21

Instrument :

MSVOA\_U

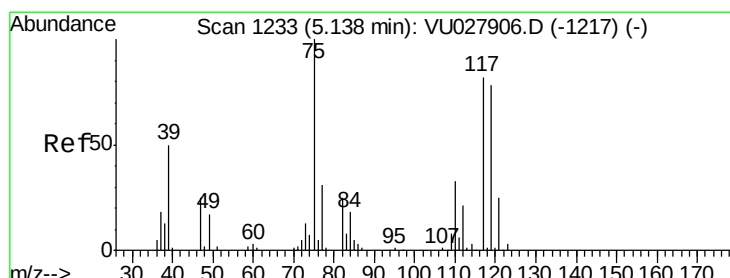
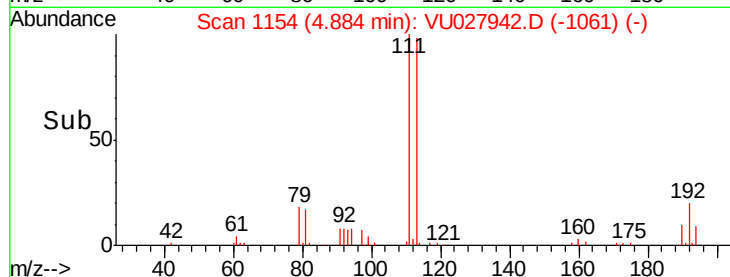
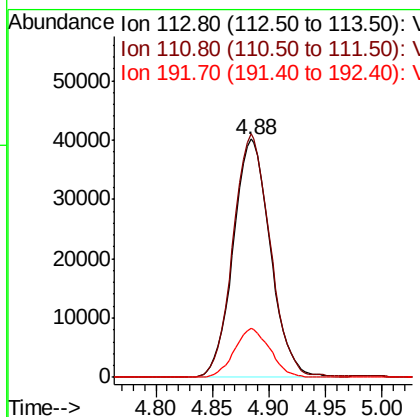
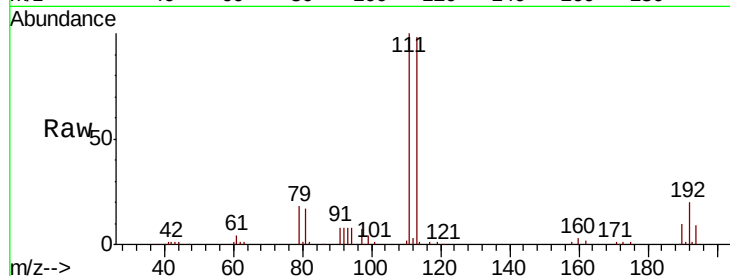
ClientSampleId :

VU1105WBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 113   | Resp: | 91501 |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 111       | 102.2 | 83.0  | 124.6 |
| 192       | 19.8  | 15.6  | 23.4  |

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#36

1,1-Dichloropropene

Concen: 19.115 ug/l

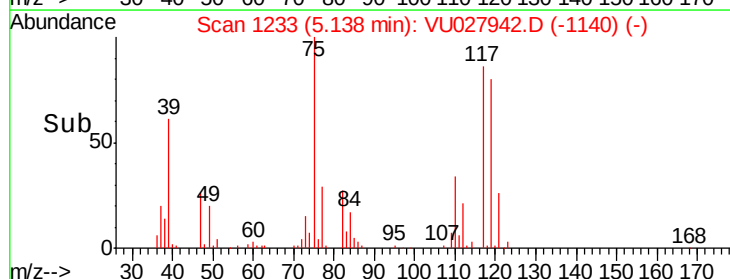
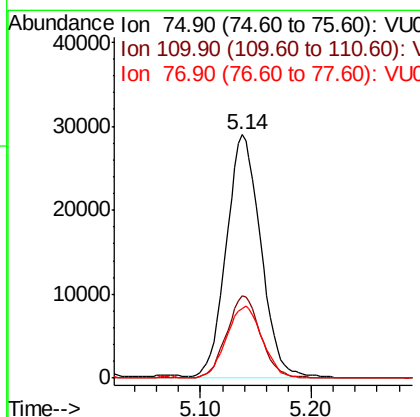
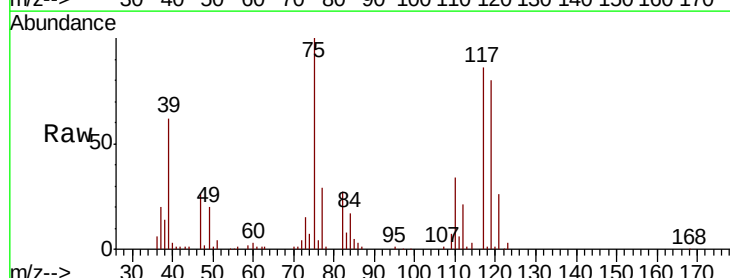
RT: 5.14 min Scan# 1233

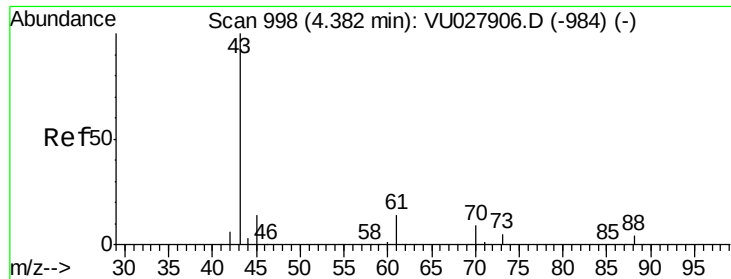
Delta R.T. -0.00 min

Lab File: VU027942.D

Acq: 05 Nov 2018 09:21

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 62978 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 33.2  | 16.5  | 49.5  |
| 77        | 30.5  | 24.9  | 37.3  |





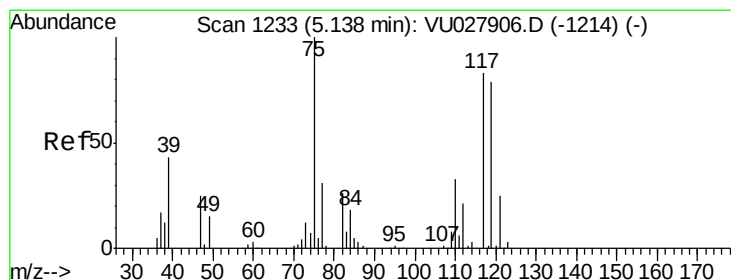
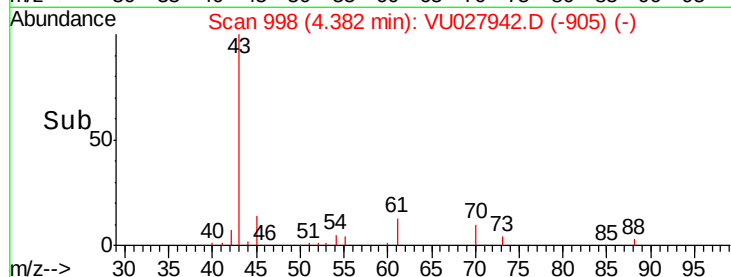
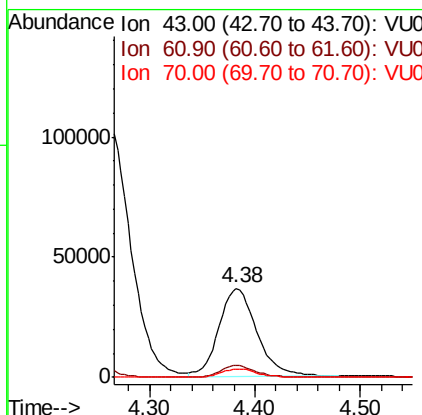
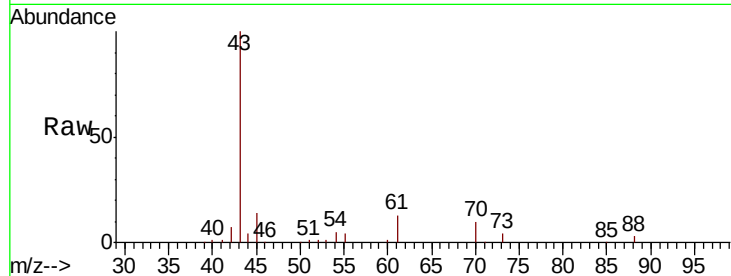
#37  
Ethyl Acetate  
Concen: 18.926 ug/l  
RT: 4.38 min Scan# 998  
Delta R.T. -0.00 min  
Lab File: VU027942.D  
Acq: 05 Nov 2018 09:21

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1105WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 12.7  | 10.3  | 15.5  |
| 70      | 9.6   | 7.0   | 10.6  |

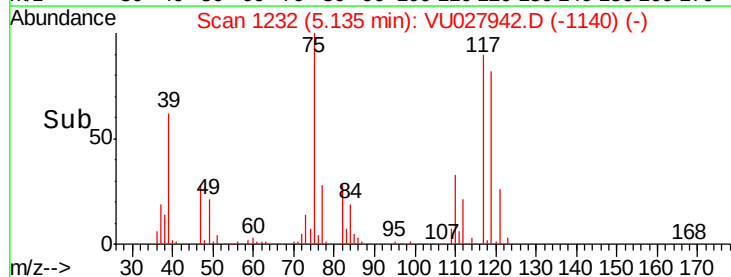
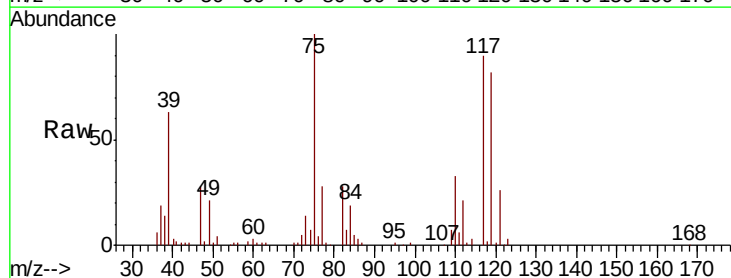
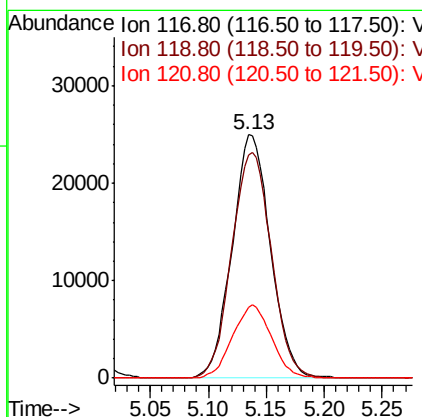
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MMDadoda  
11/6/2018 12:06:43 PM

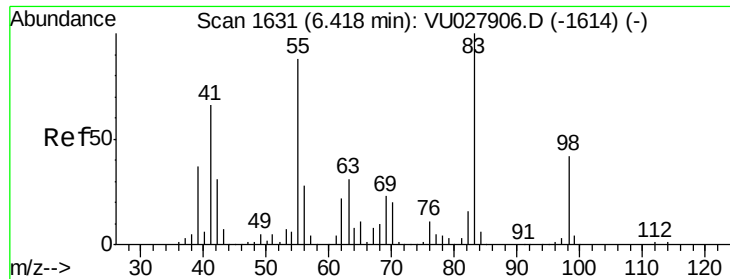


#38  
Carbon Tetrachloride  
Concen: 19.618 ug/l  
RT: 5.13 min Scan# 1232  
Delta R.T. -0.00 min  
Lab File: VU027942.D  
Acq: 05 Nov 2018 09:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 91.6  | 76.0  | 114.0 |
| 121     | 29.1  | 24.5  | 36.7  |







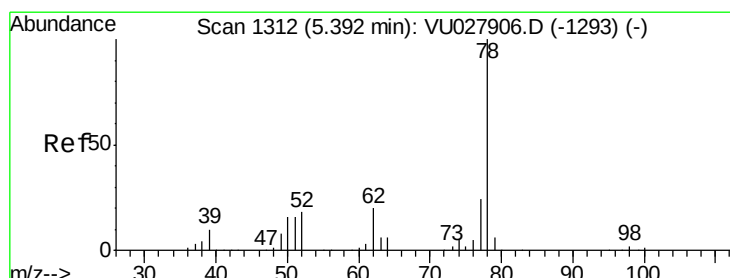
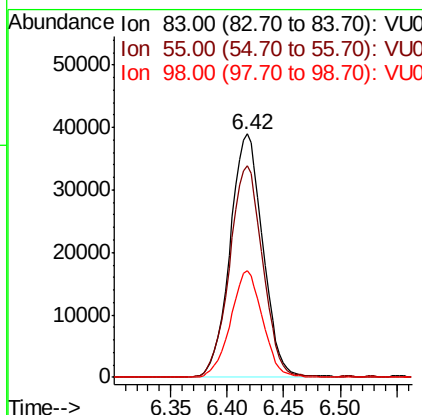
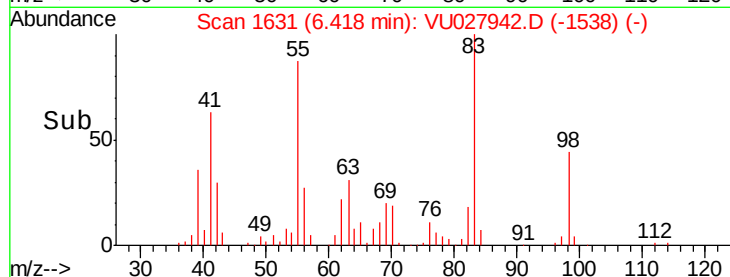
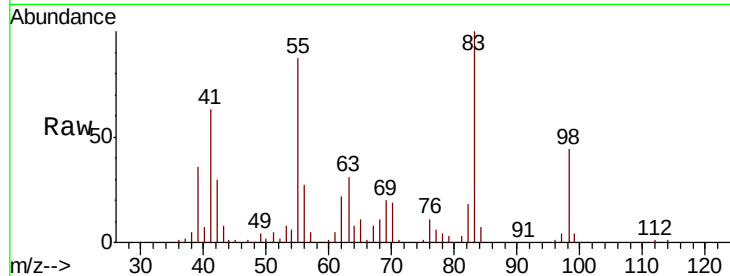
#39  
Methylvlcyclohexane  
Concen: 19.807 ug/l  
RT: 6.42 min Scan# 1631  
Delta R.T. -0.00 min  
Lab File: VU027942.D  
Acq: 05 Nov 2018 09:21

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1105WBS01

| Tot Ion   | 83   | Resp  | 78707 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 83        | 100  |       |       |
| 55        | 86.7 | 70.3  | 105.5 |
| 98        | 43.8 | 34.0  | 51.0  |

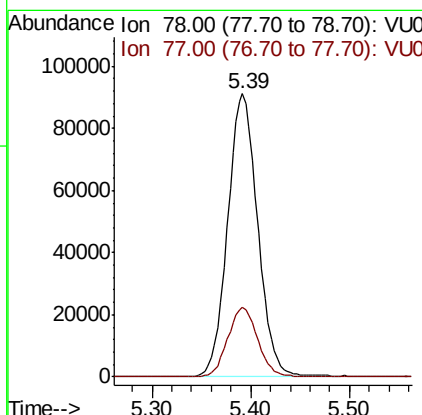
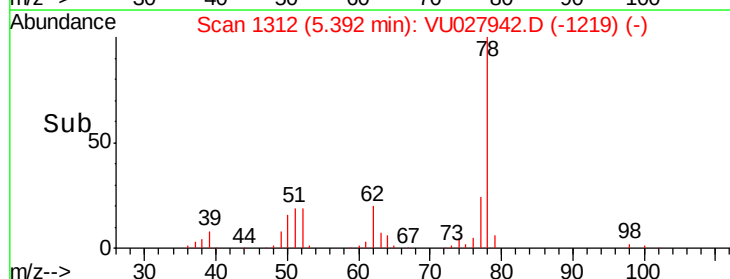
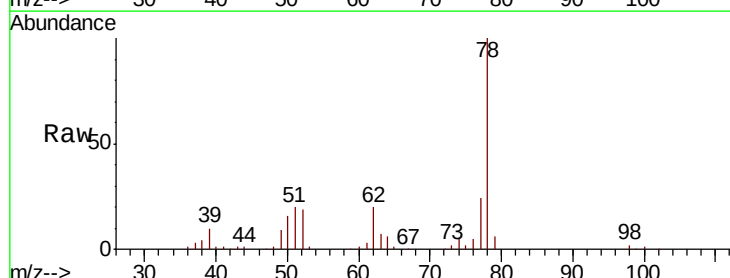
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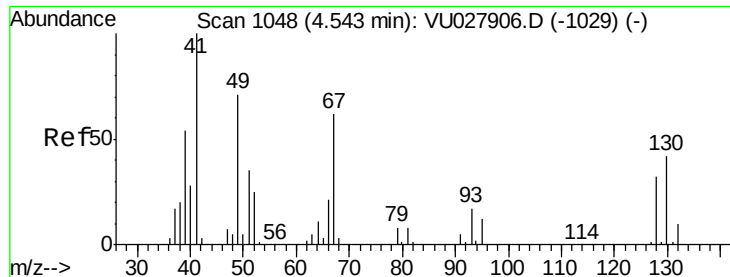
MMDadoda  
11/6/2018 12:06:43 PM



#40  
Benzene  
Concen: 19.247 ug/l  
RT: 5.39 min Scan# 1312  
Delta R.T. -0.00 min  
Lab File: VU027942.D  
Acq: 05 Nov 2018 09:21

| Tgt Ion   | 78   | Resp  | 193881 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 78        | 100  |       |        |
| 77        | 24.4 | 19.3  | 28.9   |





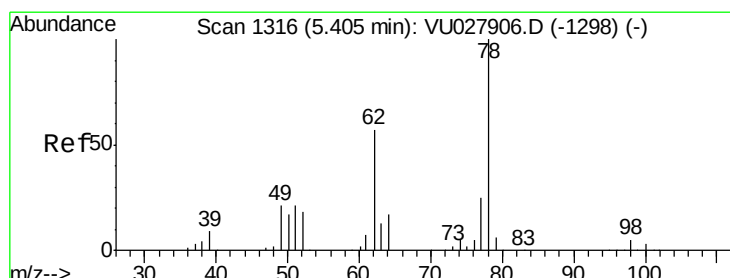
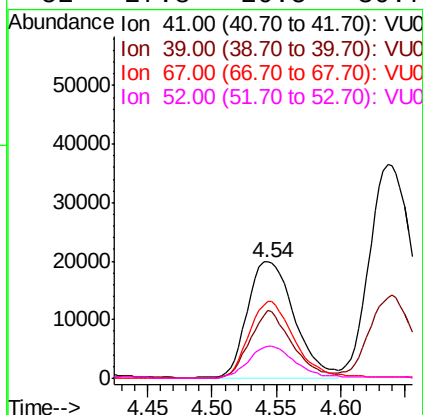
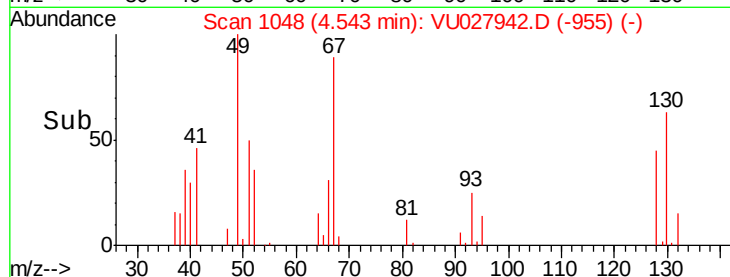
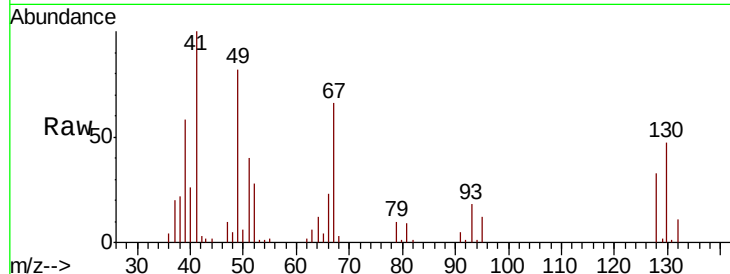
#41  
Methacrylonitrile  
Concen: 19.745 ug/l  
RT: 4.54 min Scan# 1048  
Delta R.T. -0.00 min  
Lab File: VU027942.D  
Acq: 05 Nov 2018 09:21

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1105WBS01

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 51.2 | 42.2  | 63.4  |       |
| 67      | 63.5 | 49.5  | 74.3  |       |
| 52      | 27.8 | 20.5  | 30.7  |       |

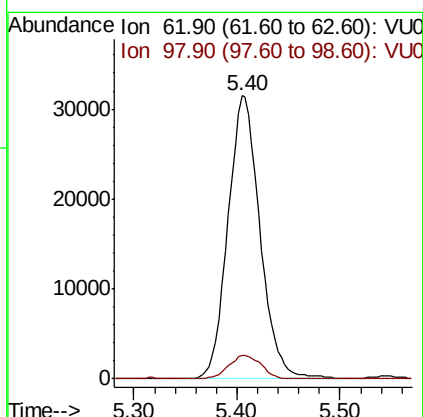
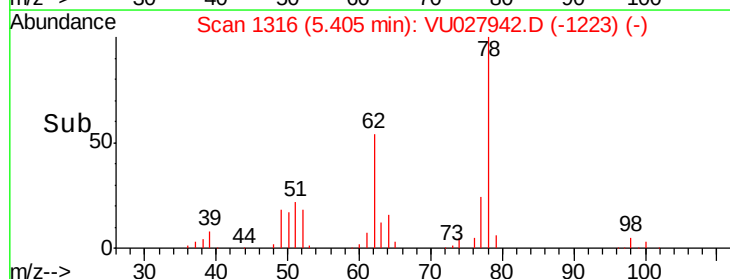
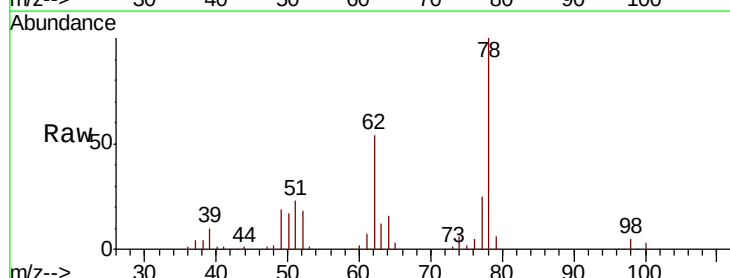
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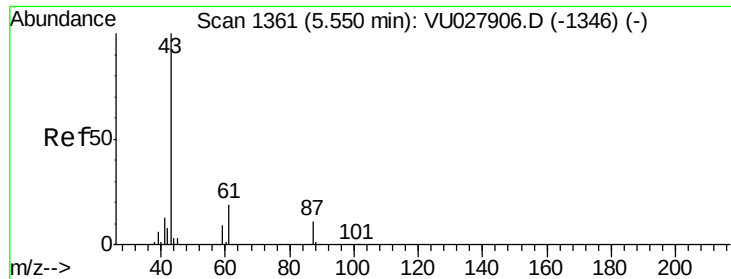
MMDadoda  
11/6/2018 12:06:43 PM



#42  
1,2-Dichloroethane  
Concen: 19.065 ug/l  
RT: 5.40 min Scan# 1316  
Delta R.T. -0.00 min  
Lab File: VU027942.D  
Acq: 05 Nov 2018 09:21

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 62      | 100 |       |       |       |
| 98      | 8.3 | 0.0   | 17.2  |       |





#43

Isopropyl Acetate

Concen: 18.847 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU027942.D

Acq: 05 Nov 2018 09:21

Instrument :

MSVOA\_U

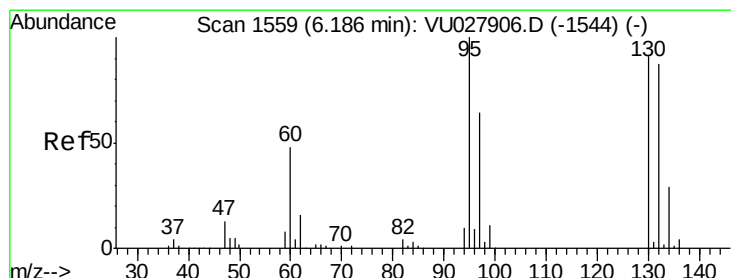
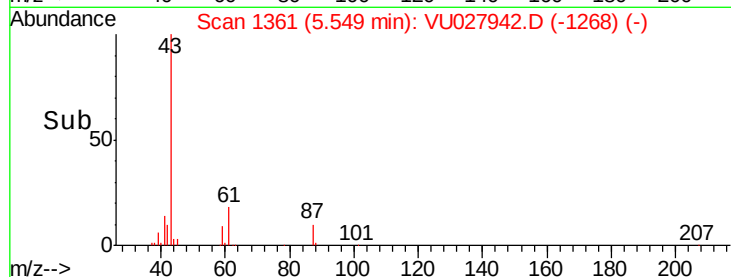
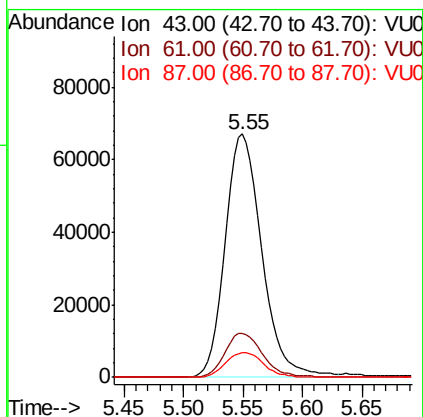
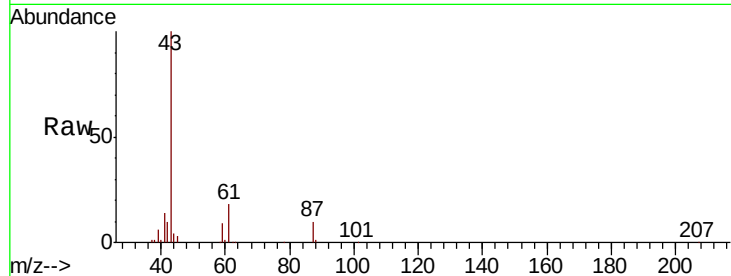
ClientSampleId :

VU1105WBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 142543 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 18.9  | 15.0  | 22.4   |
| 87       | 10.8  | 8.6   | 12.8   |

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#44

Trichloroethene

Concen: 19.762 ug/l

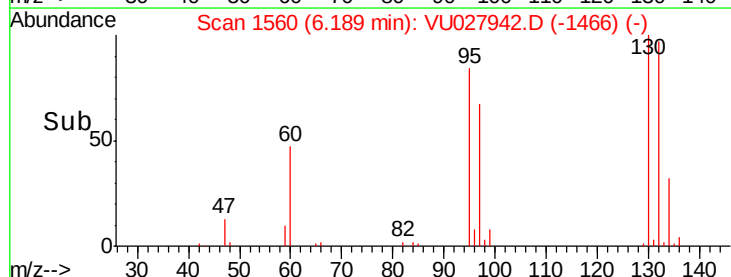
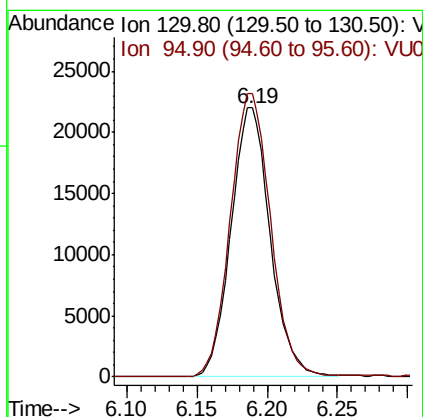
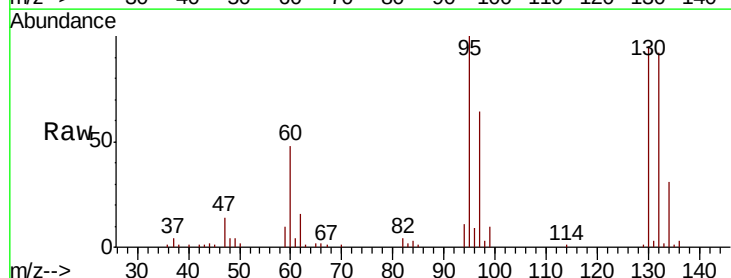
RT: 6.19 min Scan# 1560

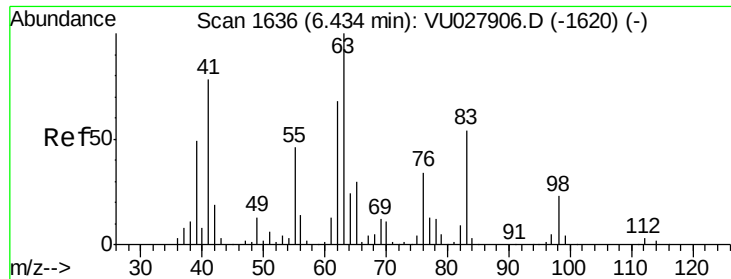
Delta R.T. 0.00 min

Lab File: VU027942.D

Acq: 05 Nov 2018 09:21

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 42790 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 105.2 | 0.0   | 219.2 |





#45

1,2-Dichloropropane

Concen: 19.703 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VU027942.D

Acq: 05 Nov 2018 09:21

Instrument :

MSVOA\_U

ClientSampleId :

VU1105WBS01

Tot Ion: 63 Resp: 57239

Ion Ratio Lower Upper

63 100

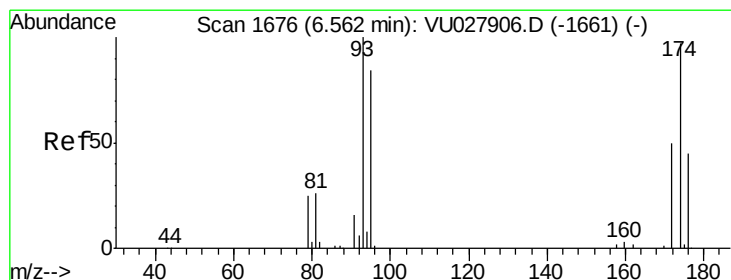
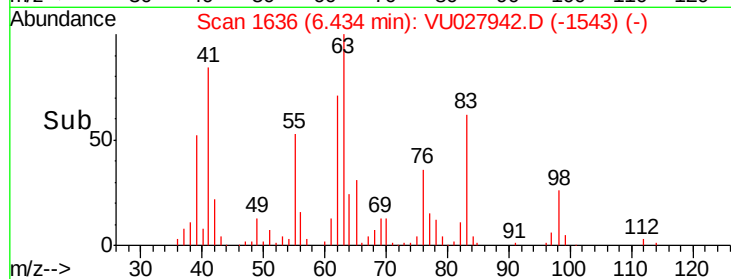
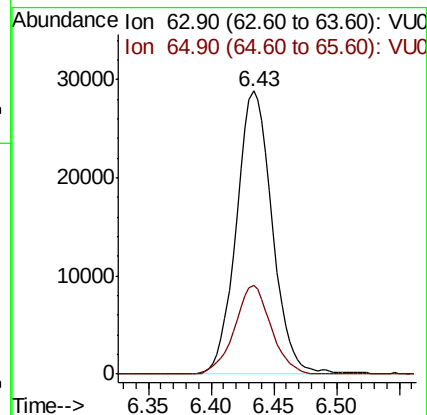
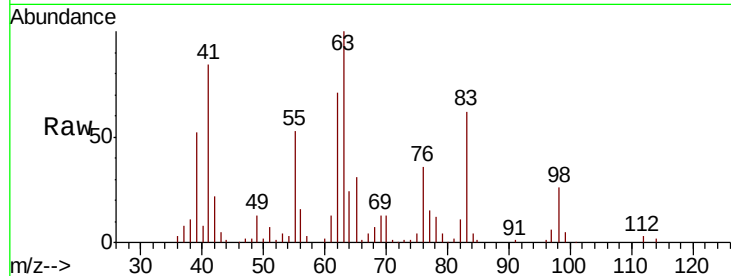
65 31.2 24.4 36.6

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#46

Dibromomethane

Concen: 19.422 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VU027942.D

Acq: 05 Nov 2018 09:21

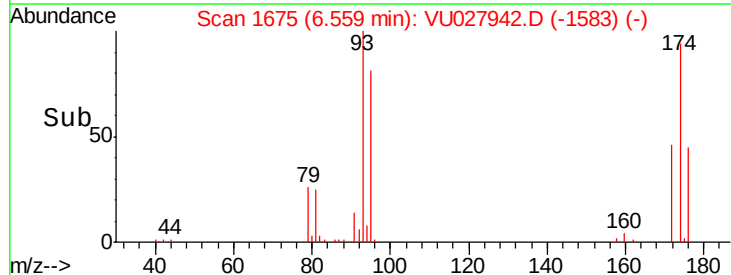
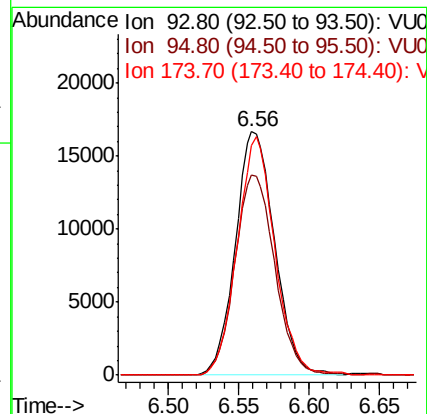
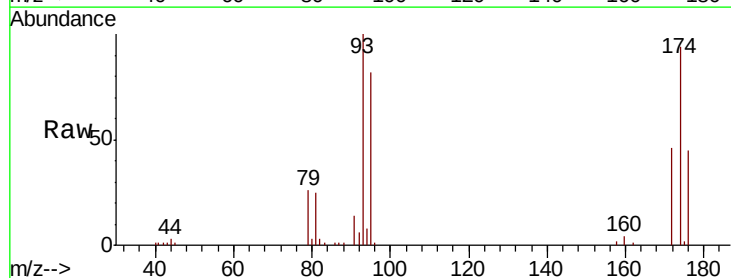
Tgt Ion: 93 Resp: 32431

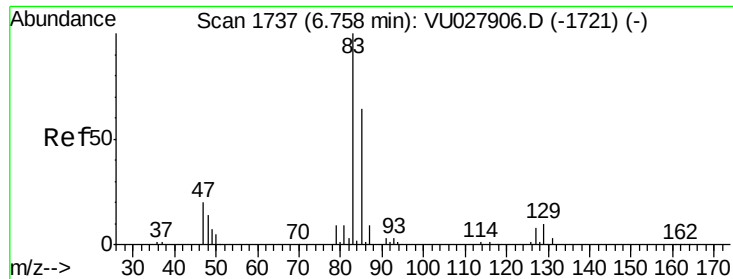
Ion Ratio Lower Upper

93 100

95 83.4 68.5 102.7

174 94.1 76.1 114.1





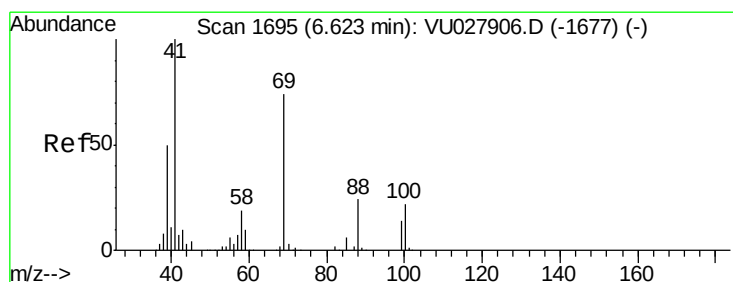
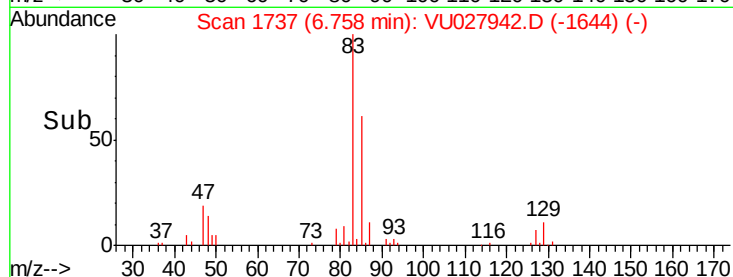
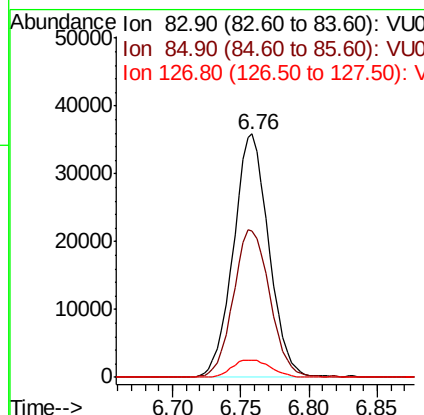
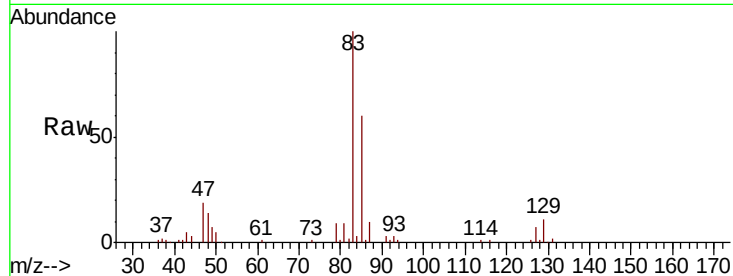
#47  
Bromodichloromethane  
Concen: 20.123 ug/l  
RT: 6.76 min Scan# 1737  
Delta R.T. -0.00 min  
Lab File: VU027942.D  
Acq: 05 Nov 2018 09:21

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1105WBS01

| Tot Ion   | 83   | Resp  | 64753 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 83        | 100  |       |       |
| 85        | 60.3 | 51.0  | 76.6  |
| 127       | 7.3  | 6.2   | 9.4   |

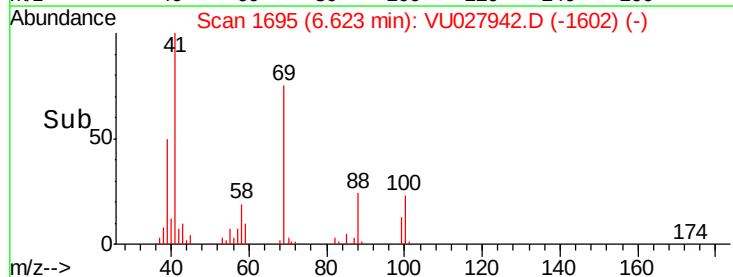
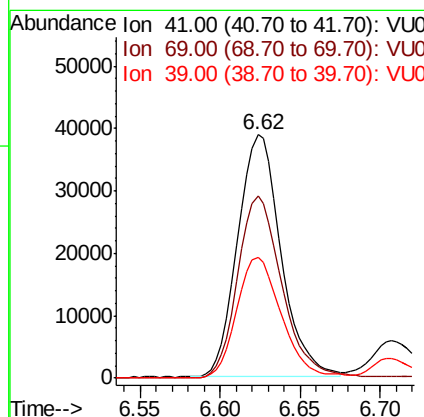
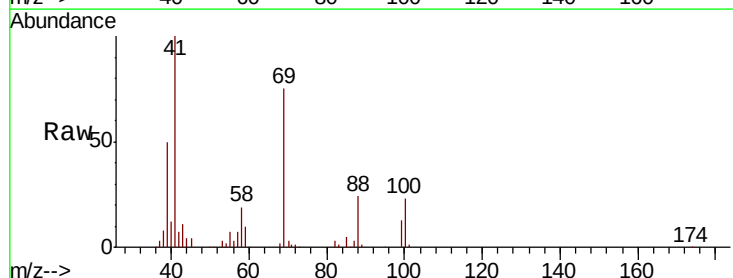
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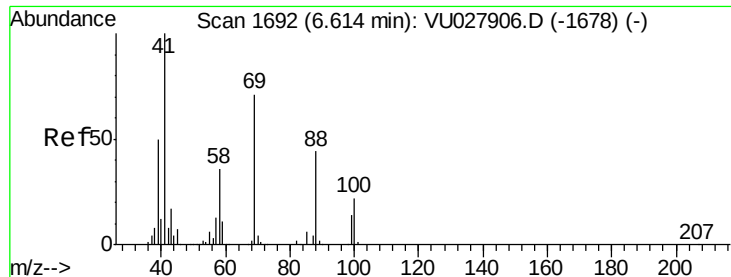
MMDadoda  
11/6/2018 12:06:43 PM



#48  
Methyl methacrylate  
Concen: 19.410 ug/l  
RT: 6.62 min Scan# 1695  
Delta R.T. -0.00 min  
Lab File: VU027942.D  
Acq: 05 Nov 2018 09:21

| Tgt Ion   | 41   | Resp  | 71939 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 41        | 100  |       |       |
| 69        | 77.1 | 59.8  | 89.8  |
| 39        | 51.5 | 40.0  | 60.0  |





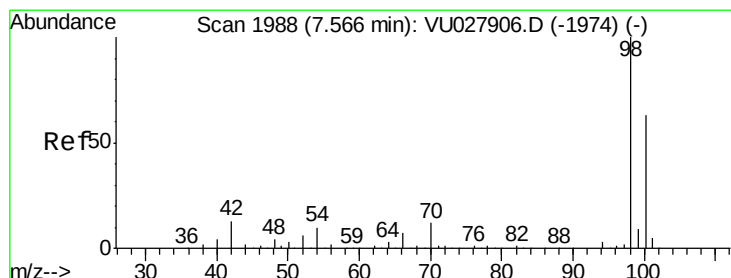
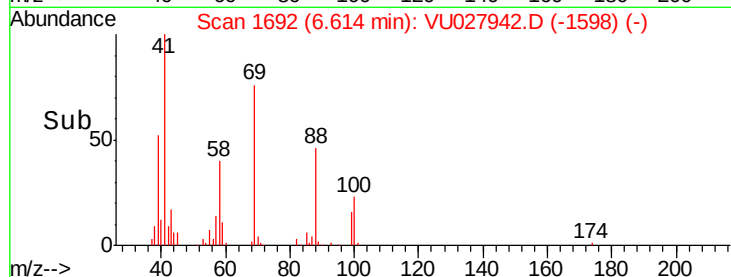
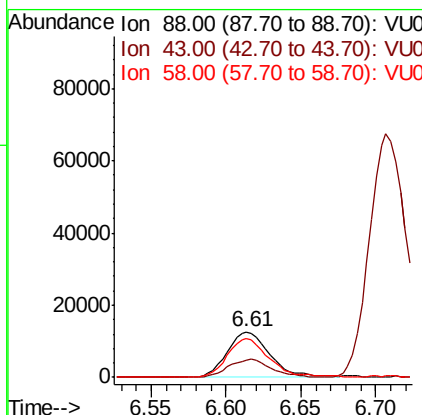
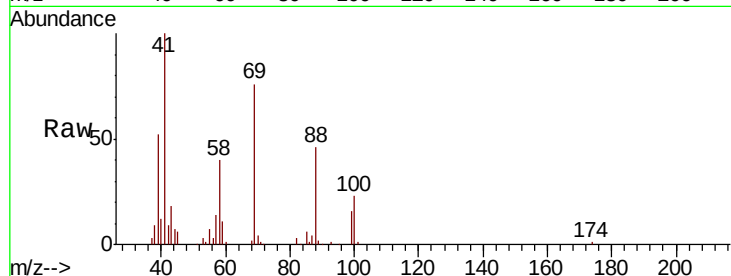
#49  
1,4-Dioxane  
Concen: 413.558 ug/l  
RT: 6.61 min Scan# 1692  
Delta R.T. 0.00 min  
Lab File: VU027942.D  
Acq: 05 Nov 2018 09:21

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1105WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 38.0  | 30.5  | 45.7  |
| 58      | 82.9  | 67.1  | 100.7 |

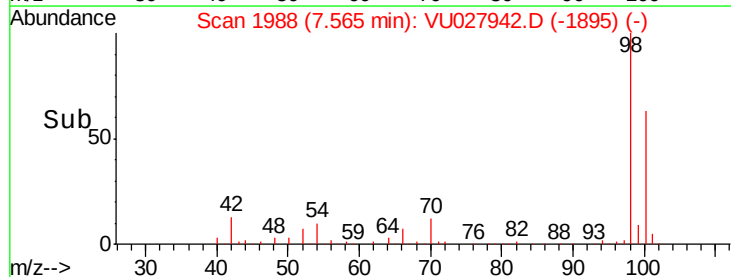
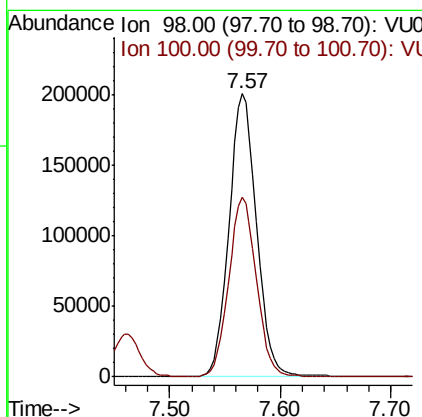
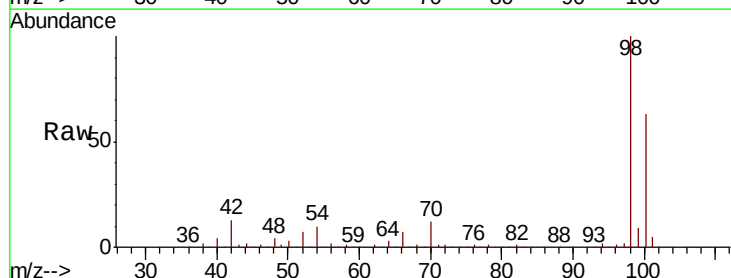
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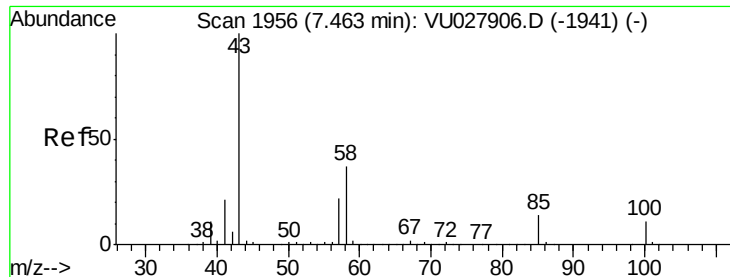
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#50  
Toluene-d8  
Concen: 45.415 ug/l  
RT: 7.57 min Scan# 1988  
Delta R.T. -0.00 min  
Lab File: VU027942.D  
Acq: 05 Nov 2018 09:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.6  | 50.1  | 75.1  |





#51

4-Methyl-2-Pentanone

Concen: 95.381 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU027942.D

Acq: 05 Nov 2018 09:21

Instrument :

MSVOA\_U

ClientSampleId :

VU1105WBS01

Tot Ion: 43 Resp: 481762

Ion Ratio Lower Upper

43 100

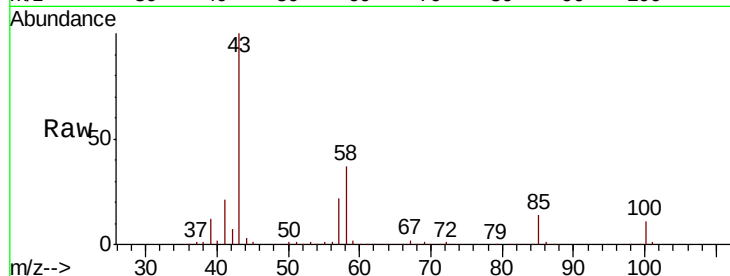
58 36.6 29.5 44.3

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.46

300000

250000

200000

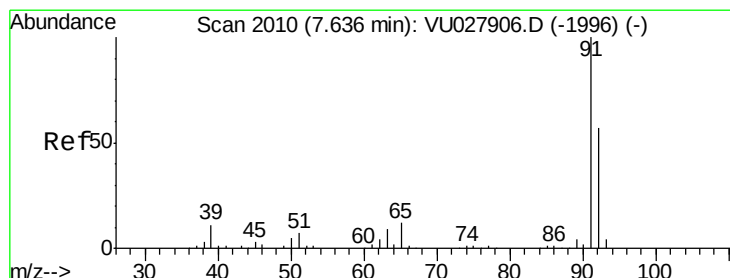
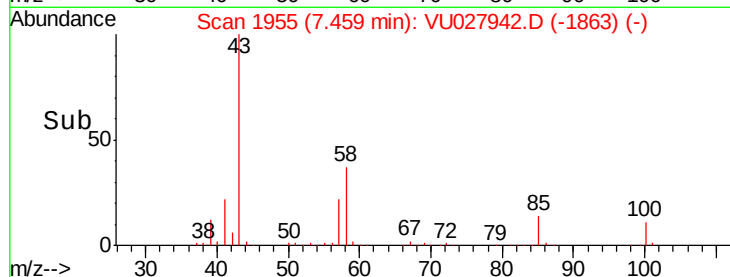
150000

100000

50000

0

Time--> 7.35 7.40 7.45 7.50 7.55



#52

Toluene

Concen: 19.155 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU027942.D

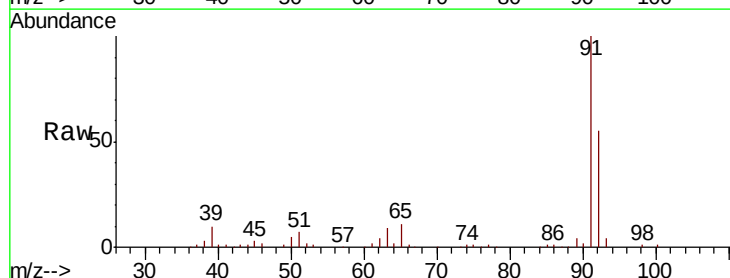
Acq: 05 Nov 2018 09:21

Tgt Ion: 92 Resp: 113432

Ion Ratio Lower Upper

92 100

91 179.4 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

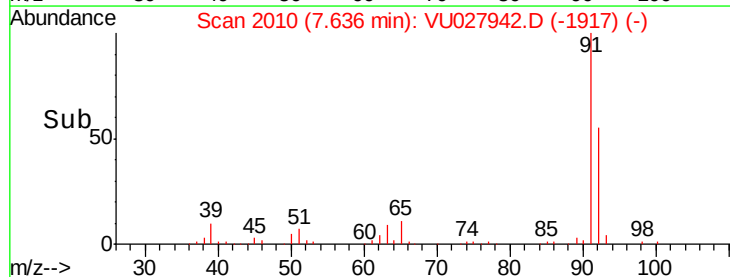
7.64

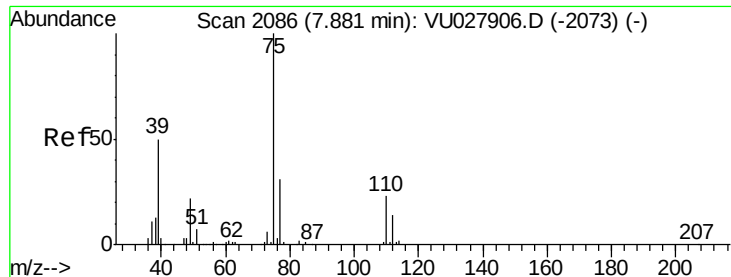
100000

50000

0

Time--> 7.55 7.60 7.65 7.70





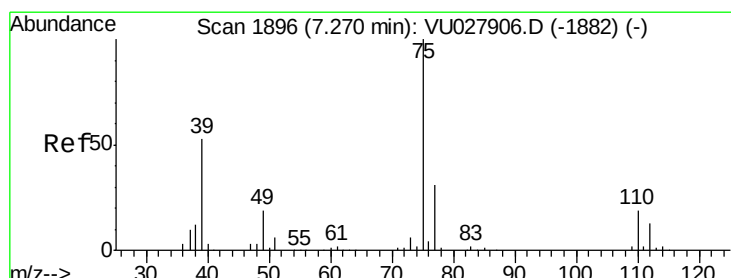
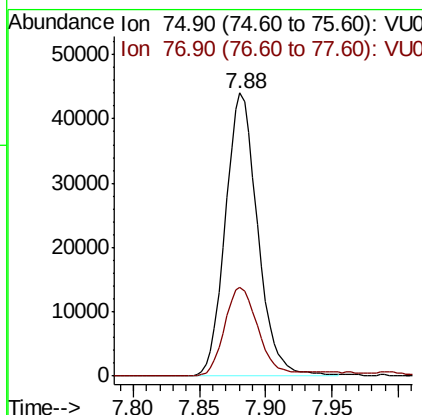
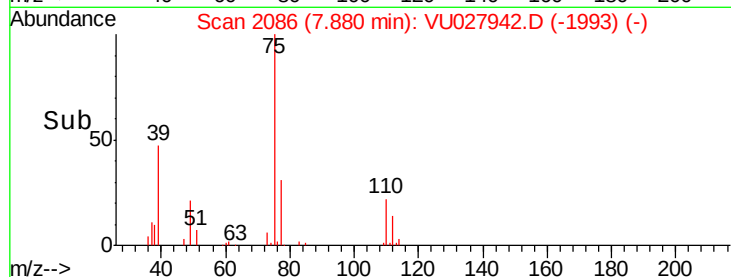
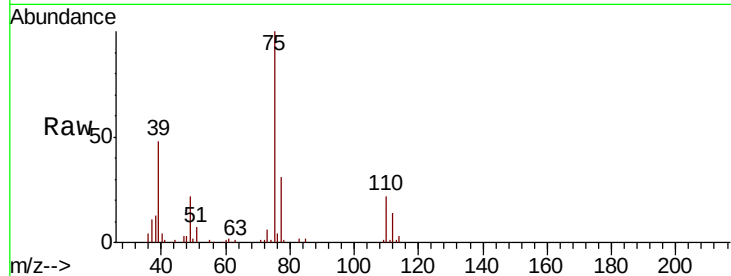
#53  
 t-1,3-Dichloropropene  
 Concen: 19.374 ug/l  
 RT: 7.88 min Scan# 2086  
 Delta R.T. 0.00 min  
 Lab File: VU027942.D  
 Acq: 05 Nov 2018 09:21

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1105WBS01

| Tot Ion   | 75    | Resp  | 74517 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 31.4  | 25.1  | 37.7  |

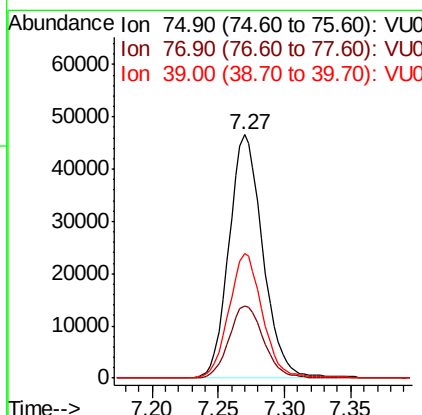
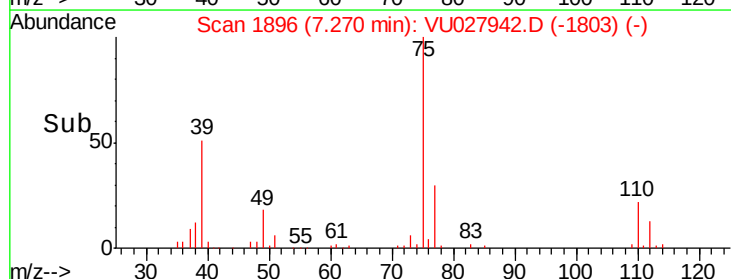
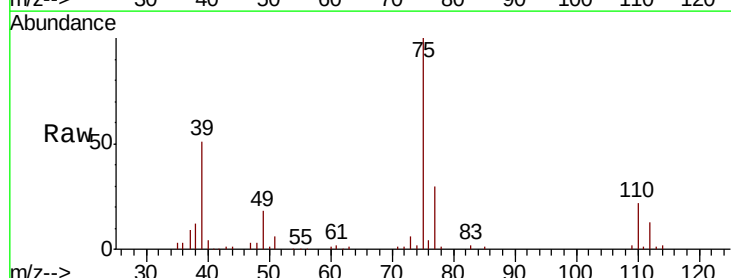
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MMDadoda  
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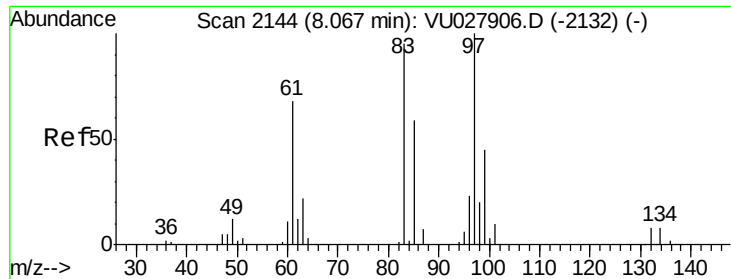


#54  
 cis-1,3-Dichloropropene  
 Concen: 20.819 ug/l  
 RT: 7.27 min Scan# 1896  
 Delta R.T. -0.00 min  
 Lab File: VU027942.D  
 Acq: 05 Nov 2018 09:21

| Tgt Ion   | 75    | Resp  | 82589 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 29.8  | 24.6  | 37.0  |
| 39        | 51.1  | 42.6  | 64.0  |







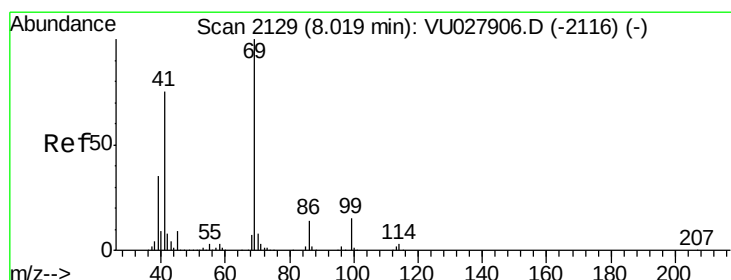
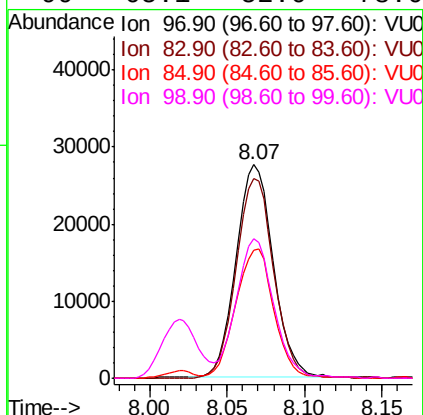
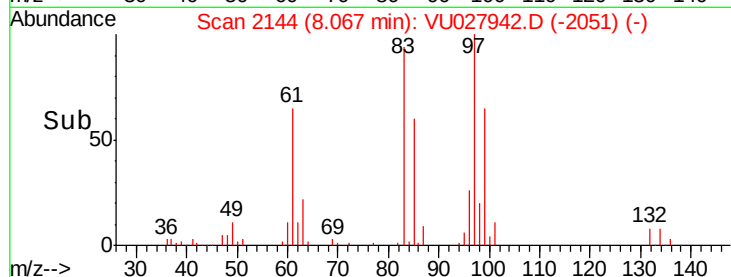
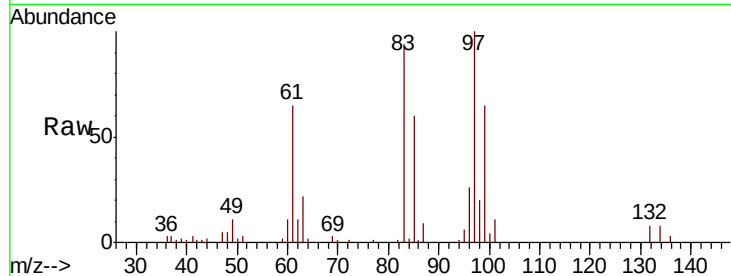
#55  
 1,1,2-Trichloroethane  
 Concen: 19.075 ug/l  
 RT: 8.07 min Scan# 2144  
 Delta R.T. -0.00 min  
 Lab File: VU027942.D  
 Acq: 05 Nov 2018 09:21

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1105WBS01

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 97      | 100  |       | 45956 |       |       |
| 83      | 94.3 | 76.1  | 114.1 |       |       |
| 85      | 59.6 | 48.9  | 73.3  |       |       |
| 99      | 65.1 | 52.0  | 78.0  |       |       |

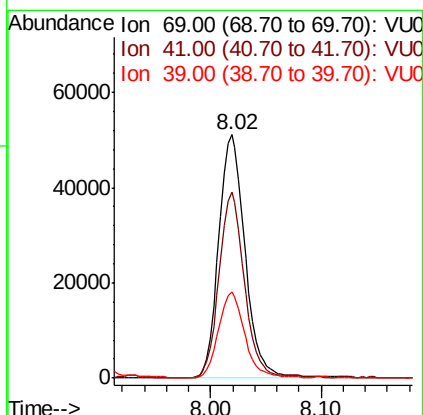
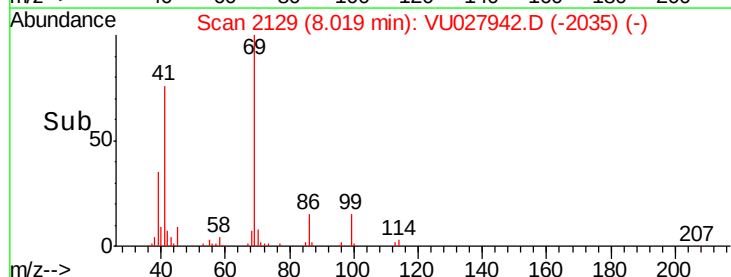
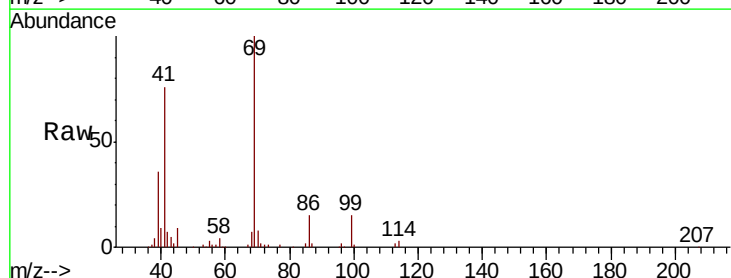
Manual Integrations  
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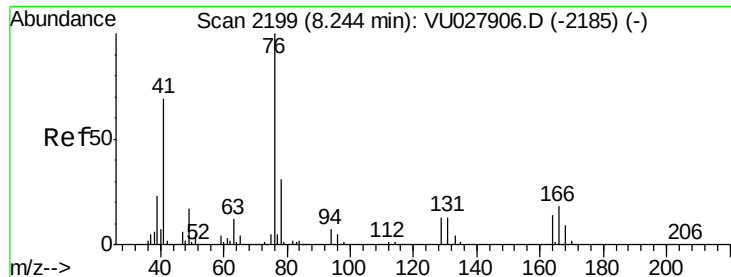
MMDadoda  
 11/6/2018 12:06:43 PM



#56  
 Ethyl methacrylate  
 Concen: 19.975 ug/l  
 RT: 8.02 min Scan# 2129  
 Delta R.T. 0.00 min  
 Lab File: VU027942.D  
 Acq: 05 Nov 2018 09:21

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 69      | 100  |       | 84870 |       |       |
| 41      | 73.1 | 59.8  | 89.6  |       |       |
| 39      | 35.6 | 28.6  | 42.8  |       |       |





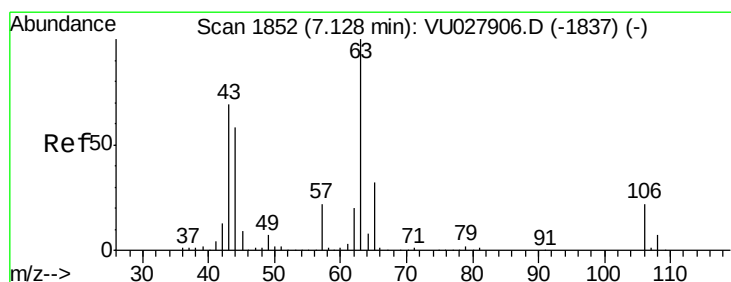
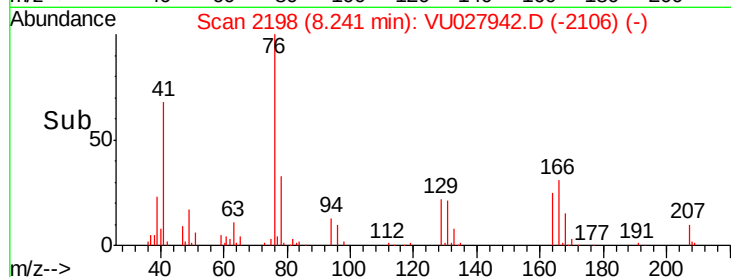
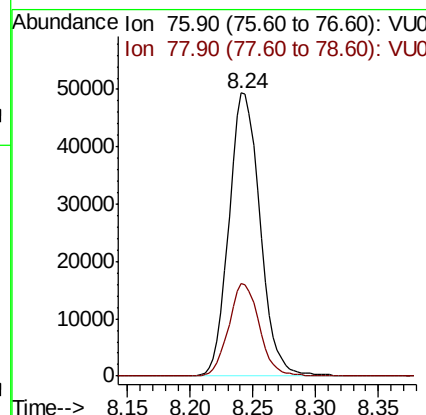
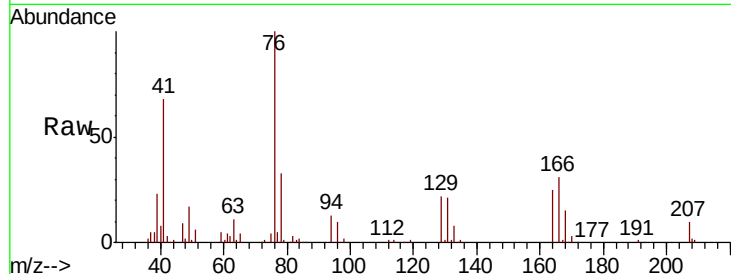
#57  
 1,3-Dichloropropane  
 Concen: 19.437 ug/l  
 RT: 8.24 min Scan# 2198  
 Delta R.T. -0.00 min  
 Lab File: VU027942.D  
 Acq: 05 Nov 2018 09:21

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1105WBS01

Tot Ion: 76 Resp: 85304  
 Ion Ratio Lower Upper  
 76 100  
 78 32.2 25.3 37.9

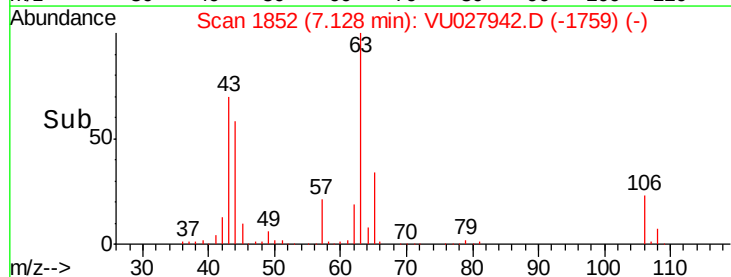
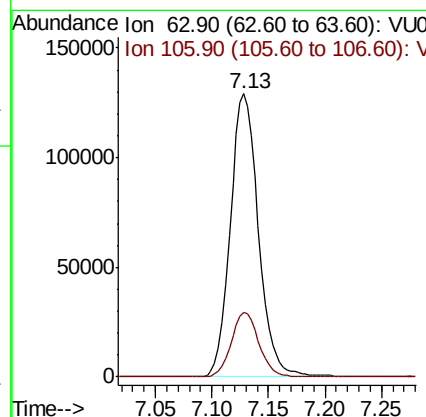
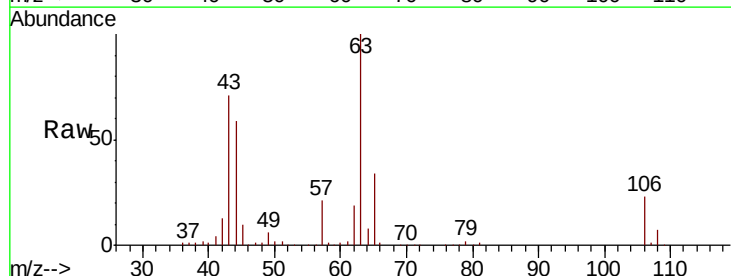
Manual Integrations  
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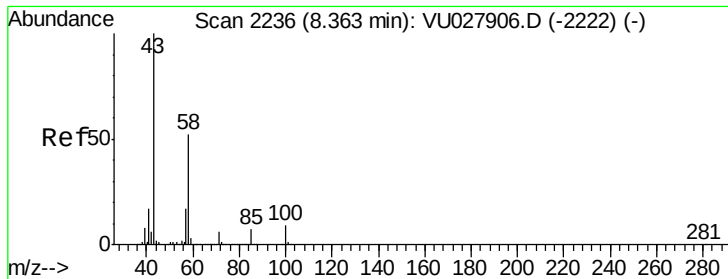
MMDadoda  
 11/6/2018 12:06:43 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 98.258 ug/l  
 RT: 7.13 min Scan# 1852  
 Delta R.T. -0.00 min  
 Lab File: VU027942.D  
 Acq: 05 Nov 2018 09:21

Tgt Ion: 63 Resp: 223589  
 Ion Ratio Lower Upper  
 63 100  
 106 22.4 17.8 26.6





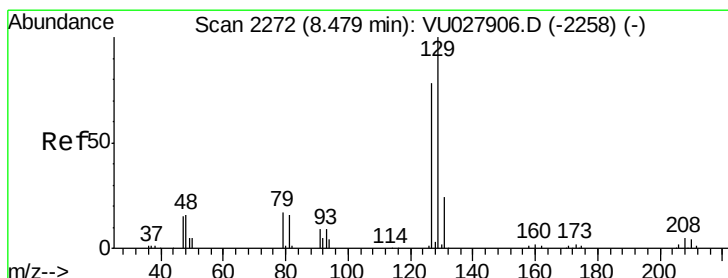
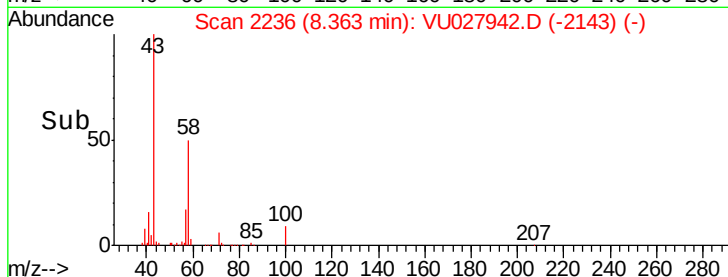
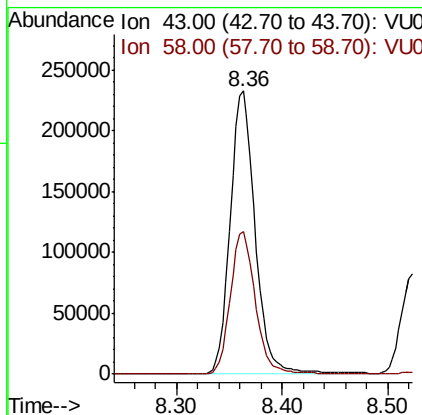
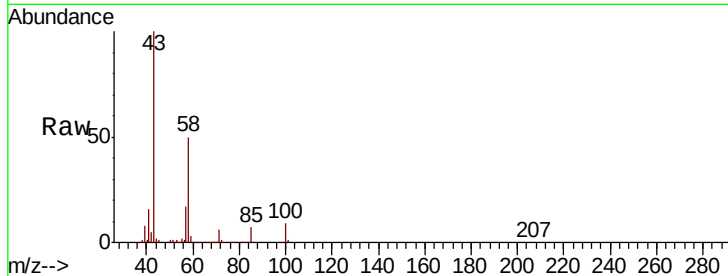
#59  
2-Hexanone  
Concen: 97.329 ug/l  
RT: 8.36 min Scan# 2236  
Delta R.T. -0.00 min  
Lab File: VU027942.D  
Acq: 05 Nov 2018 09:21

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1105WBS01

Tot Ion: 43 Resp: 380220  
Ion Ratio Lower Upper  
43 100  
58 50.7 25.8 77.3

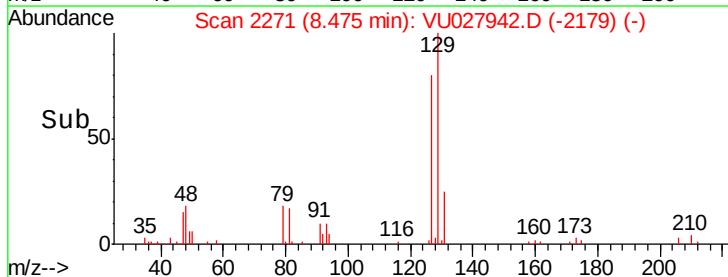
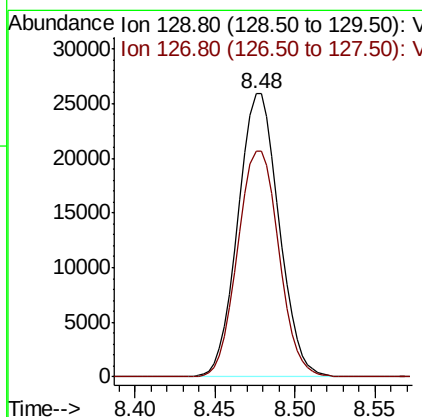
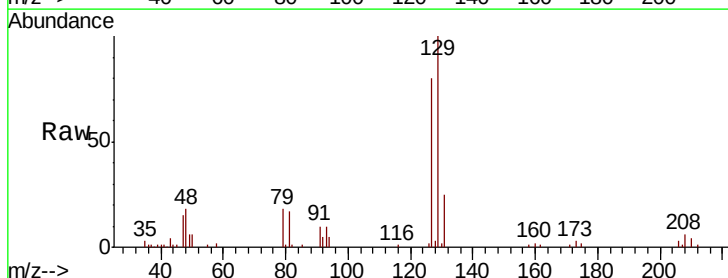
Manual Integrations  
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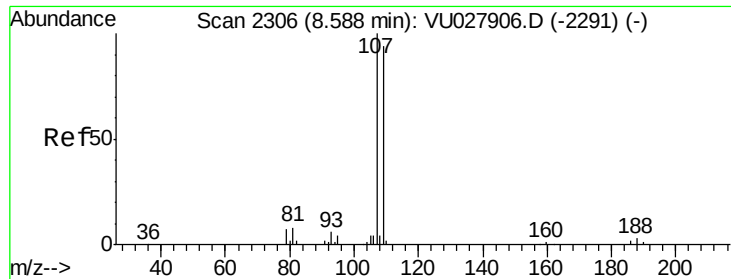
MMDadoda  
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#60  
Dibromochloromethane  
Concen: 19.892 ug/l  
RT: 8.48 min Scan# 2271  
Delta R.T. -0.00 min  
Lab File: VU027942.D  
Acq: 05 Nov 2018 09:21

Tgt Ion: 129 Resp: 45352  
Ion Ratio Lower Upper  
129 100  
127 80.1 39.2 117.6





#61

1,2-Dibromoethane

Concen: 19.029 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU027942.D

Acq: 05 Nov 2018 09:21

Instrument :

MSVOA\_U

ClientSampleId :

VU1105WBS01

Tot Ion:107 Resp: 48714

Ion Ratio Lower Upper

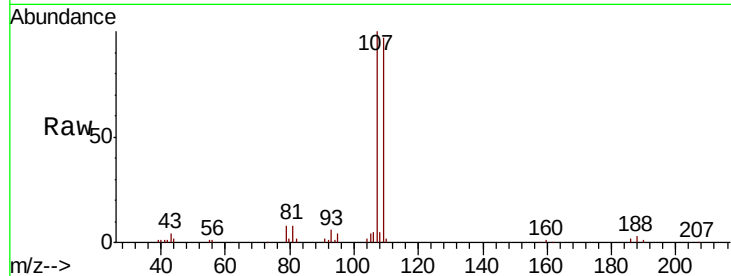
107 100

109 97.2 73.8 110.8

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.58

30000

25000

20000

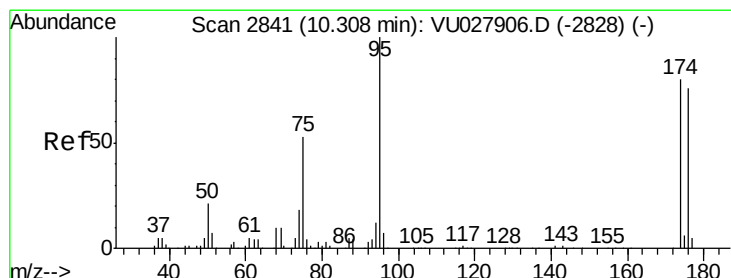
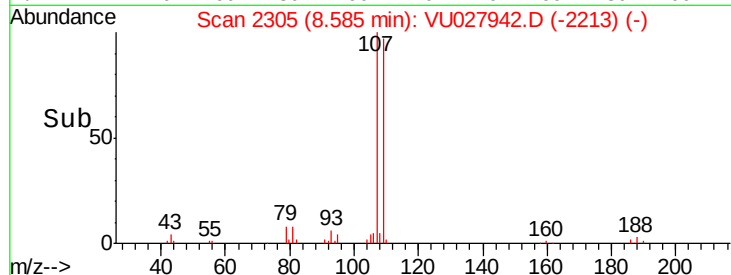
15000

10000

5000

0

Time--> 8.50 8.55 8.60 8.65 8.70



#62

4-Bromofluorobenzene

Concen: 45.541 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU027942.D

Acq: 05 Nov 2018 09:21

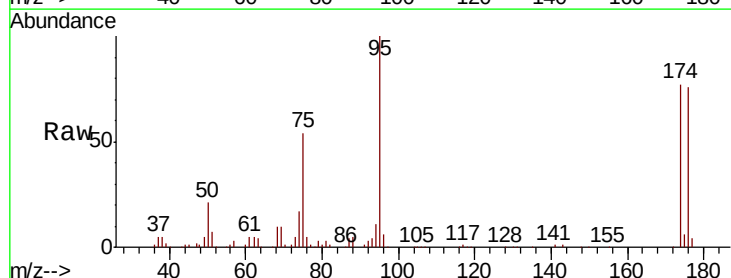
Tgt Ion: 95 Resp: 128702

Ion Ratio Lower Upper

95 100

174 76.9 0.0 156.4

176 75.1 0.0 150.8



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

10.31

100000

80000

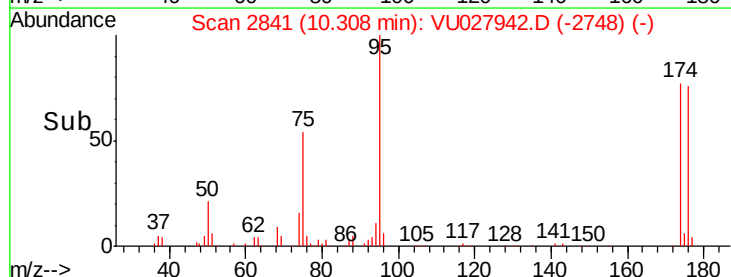
60000

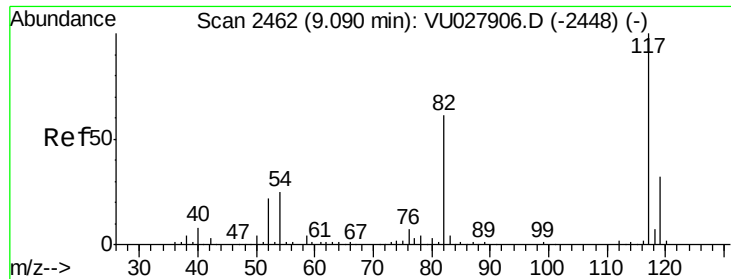
40000

20000

0

Time--> 10.30 10.40





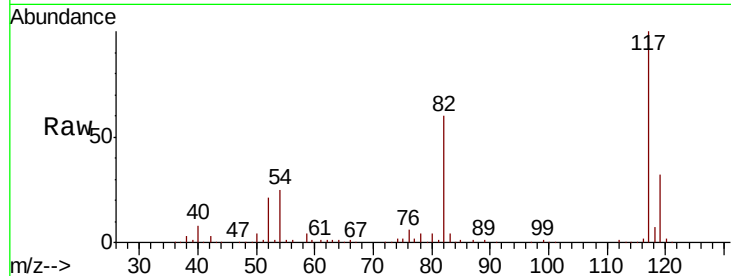
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.09 min Scan# 2462  
Delta R.T. -0.00 min  
Lab File: VU027942.D  
Acq: 05 Nov 2018 09:21

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1105WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 59.8  | 48.6  | 73.0  |
| 119     | 31.6  | 25.8  | 38.8  |

Manual Integrations  
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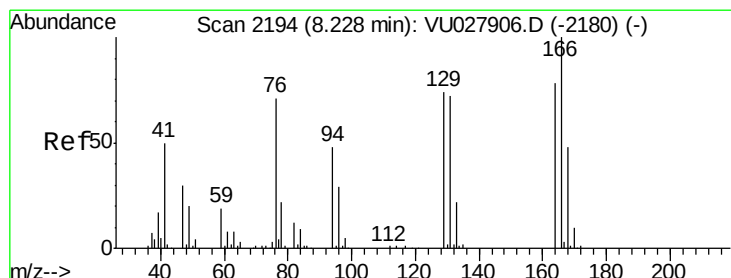
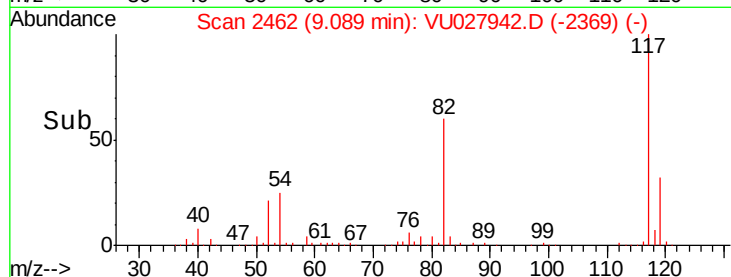
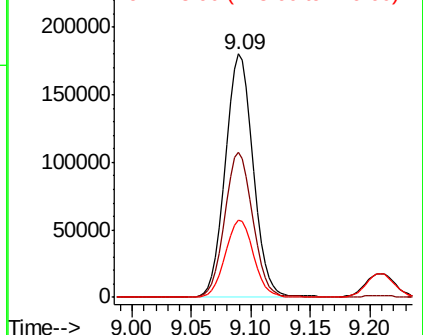


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64  
Tetrachloroethene  
Concen: 19.070 ug/l  
RT: 8.23 min Scan# 2194  
Delta R.T. -0.00 min  
Lab File: VU027942.D  
Acq: 05 Nov 2018 09:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 128.8 | 102.1 | 153.1 |
| 129     | 94.0  | 75.9  | 113.9 |
| 131     | 88.6  | 73.0  | 109.6 |

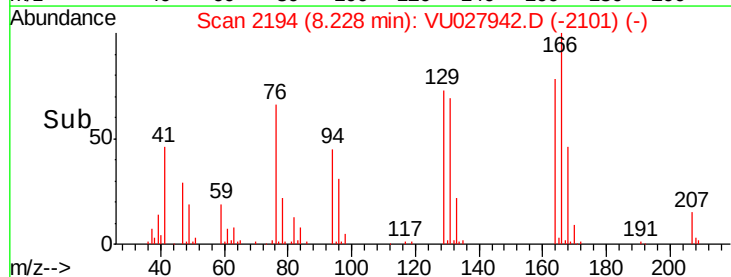
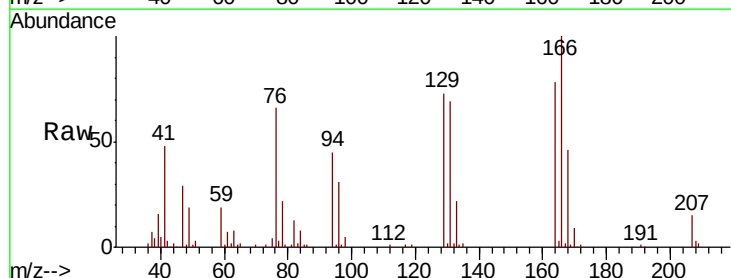
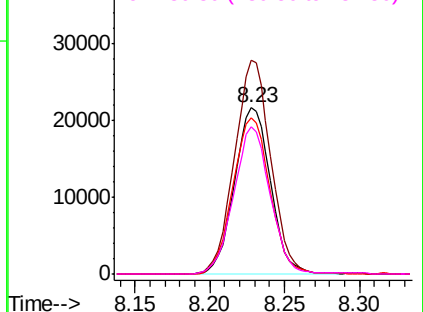
Abundance

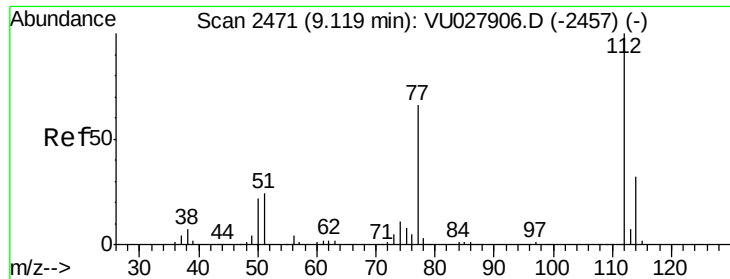
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





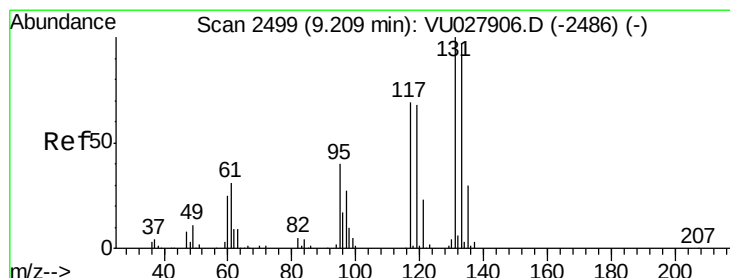
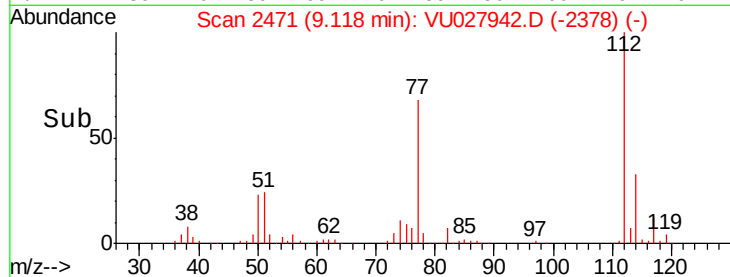
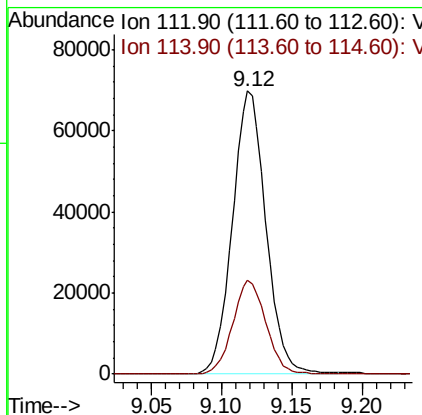
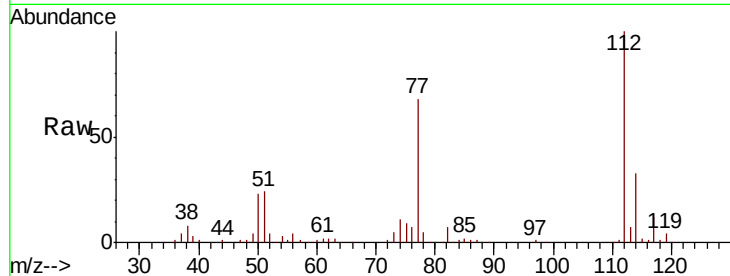
#65  
Chlorobenzene  
Concen: 18.723 ug/l  
RT: 9.12 min Scan# 2471  
Delta R.T. -0.00 min  
Lab File: VU027942.D  
Acq: 05 Nov 2018 09:21

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1105WBS01

Tot Ion:112 Resp: 116060  
Ion Ratio Lower Upper  
112 100  
114 33.0 25.2 37.8

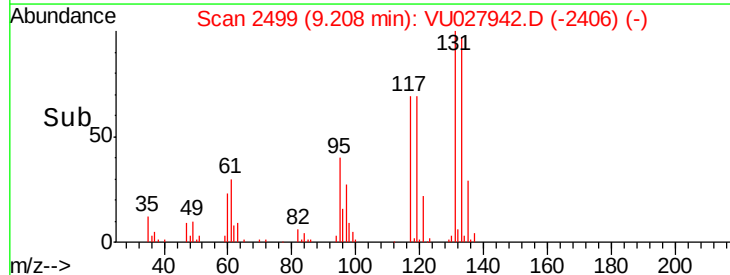
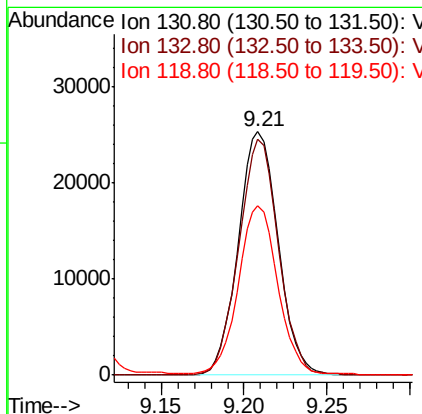
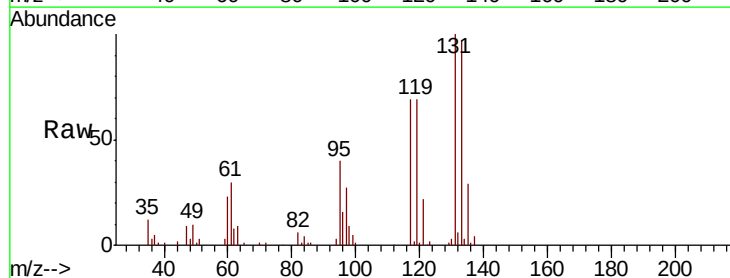
Manual Integrations  
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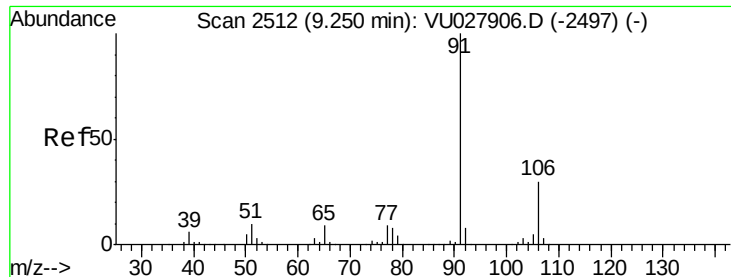
MMDadoda  
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#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.022 ug/l  
RT: 9.21 min Scan# 2499  
Delta R.T. -0.00 min  
Lab File: VU027942.D  
Acq: 05 Nov 2018 09:21

Tgt Ion:131 Resp: 42392  
Ion Ratio Lower Upper  
131 100  
133 96.3 48.1 144.4  
119 67.8 34.0 101.8





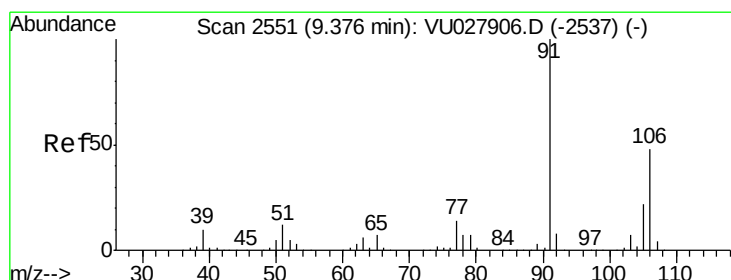
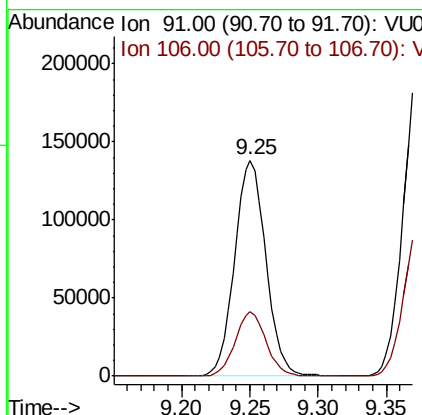
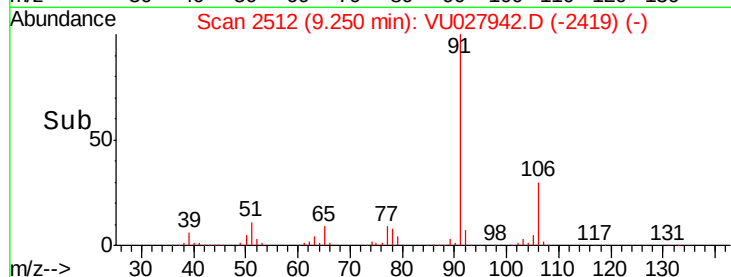
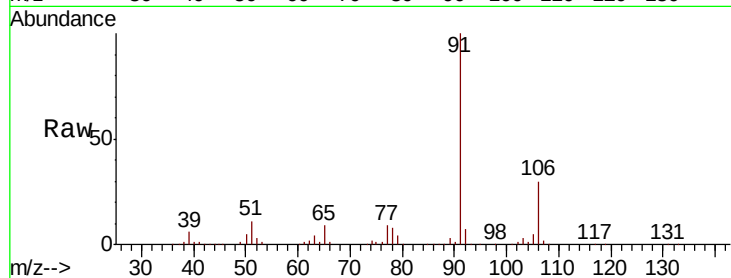
#67  
Ethyl Benzene  
Concen: 19.305 ug/l  
RT: 9.25 min Scan# 2512  
Delta R.T. -0.00 min  
Lab File: VU027942.D  
Acq: 05 Nov 2018 09:21

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1105WBS01

Tot Ion: 91 Resp: 220270  
Ion Ratio Lower Upper  
91 100  
106 29.7 23.6 35.4

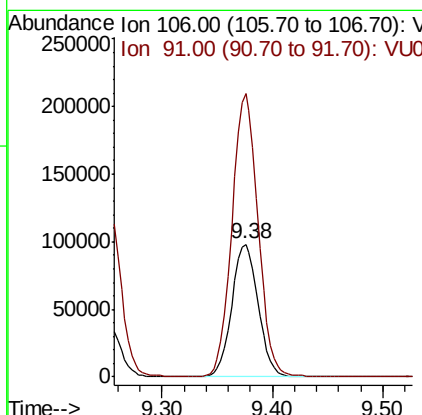
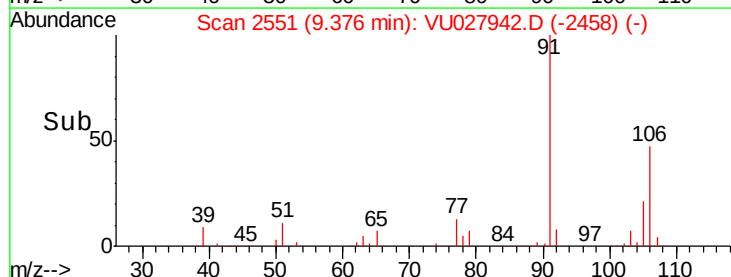
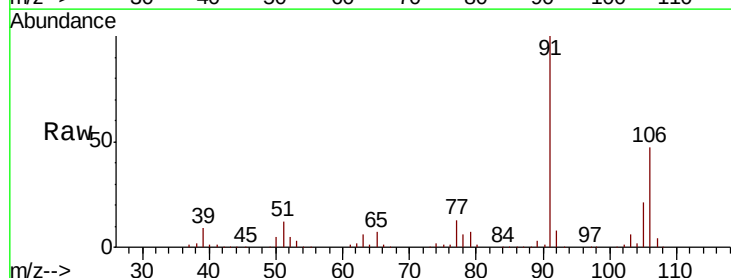
Manual Integrations  
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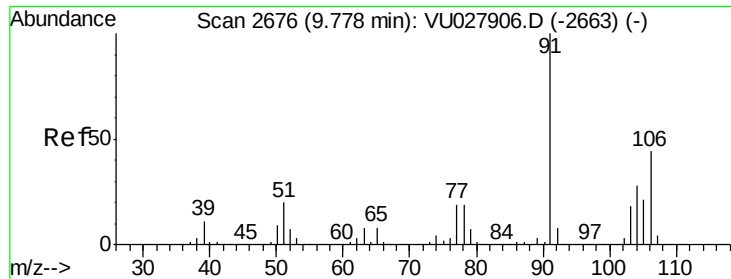
MMDadoda  
11/6/2018 12:06:43 PM



#68  
m/p-Xylenes  
Concen: 39.264 ug/l  
RT: 9.38 min Scan# 2551  
Delta R.T. -0.00 min  
Lab File: VU027942.D  
Acq: 05 Nov 2018 09:21

Tgt Ion: 106 Resp: 162552  
Ion Ratio Lower Upper  
106 100  
91 210.3 168.2 252.4





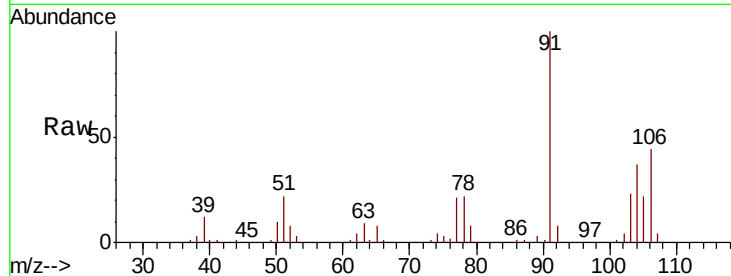
#69  
o-Xylene  
Concen: 18.891 ug/l  
RT: 9.78 min Scan# 2677  
Delta R.T. 0.00 min  
Lab File: VU027942.D  
Acq: 05 Nov 2018 09:21

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1105WBS01

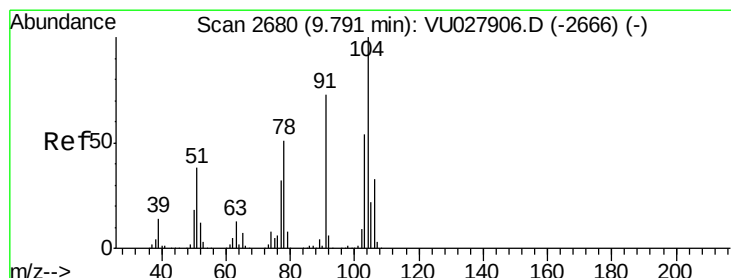
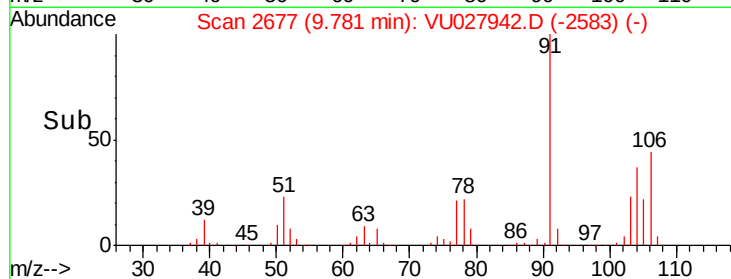
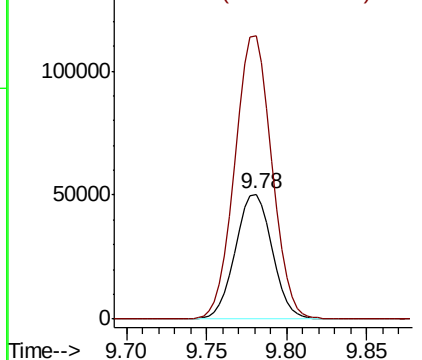
Tot Ion:106 Resp: 78975  
Ion Ratio Lower Upper  
106 100  
91 227.4 111.1 333.4

Manual Integrations  
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11/6/2018 12:06:43 PM

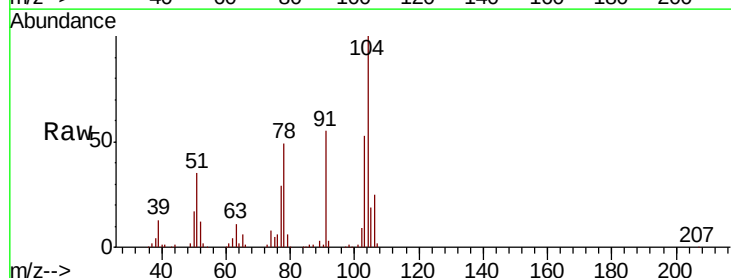


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VU0

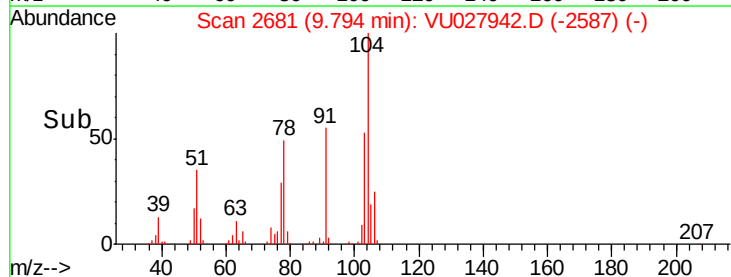
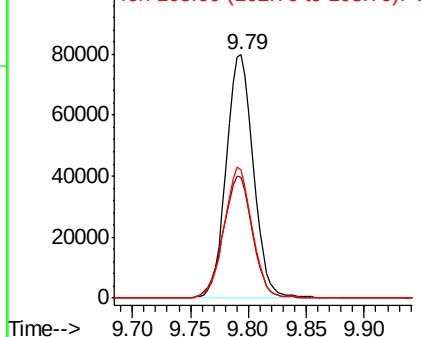


#70  
Styrene  
Concen: 19.277 ug/l  
RT: 9.79 min Scan# 2681  
Delta R.T. 0.00 min  
Lab File: VU027942.D  
Acq: 05 Nov 2018 09:21

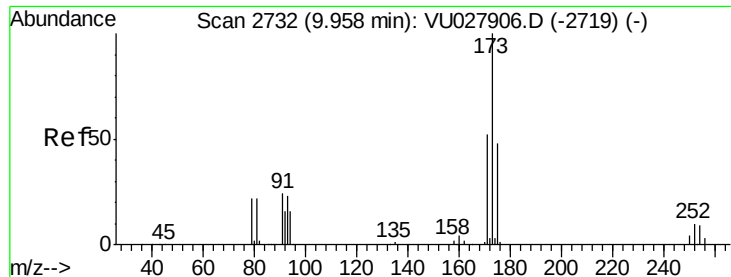
Tgt Ion:104 Resp: 128766  
Ion Ratio Lower Upper  
104 100  
78 53.9 43.0 64.4  
103 55.6 45.1 67.7



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







#71

Bromoform

Concen: 20.047 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU027942.D

Acq: 05 Nov 2018 09:21

Instrument :

MSVOA\_U

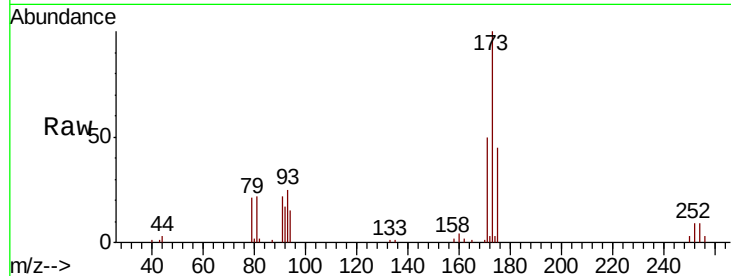
ClientSampleId :

VU1105WBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 173   | Resp: | 35573 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 45.7  | 24.3  | 72.8  |
| 254       | 0.0   | 0.0   | 0.0   |

Manual Integrations  
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11/6/2018 12:06:43 PM

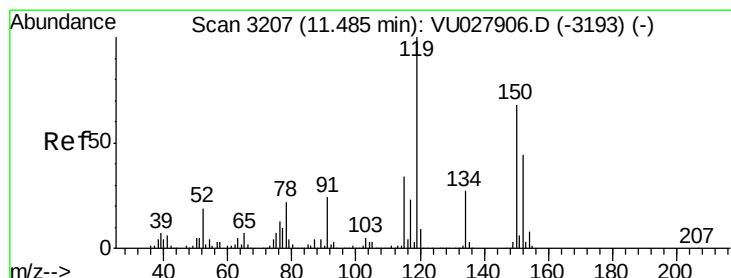
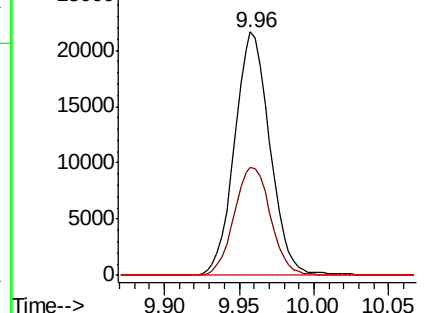
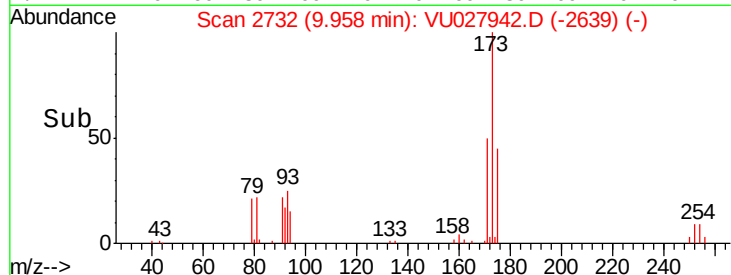


Abundance

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

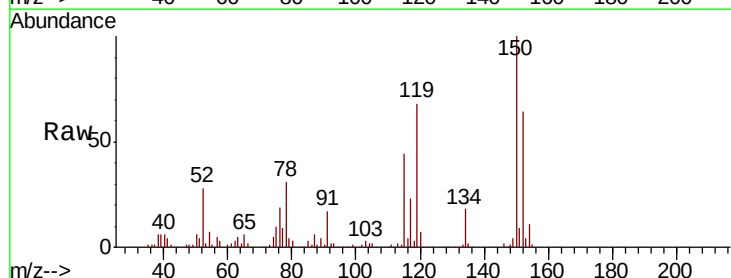
RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU027942.D

Acq: 05 Nov 2018 09:21

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 138647 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 70.2  | 43.0  | 129.0  |
| 150       | 162.3 | 0.0   | 349.4  |

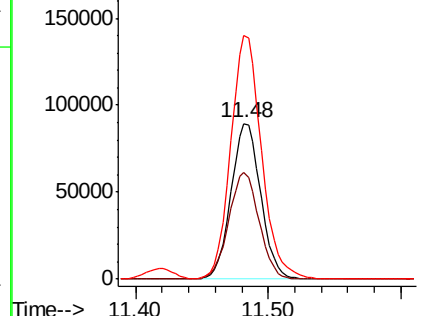
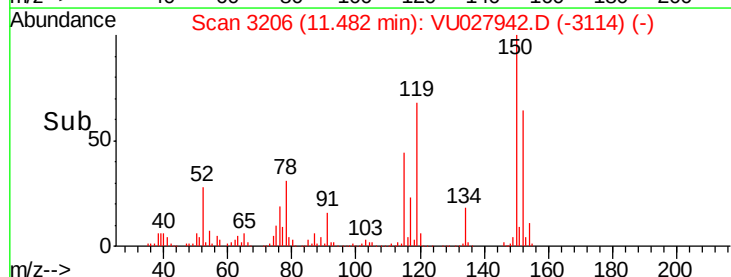


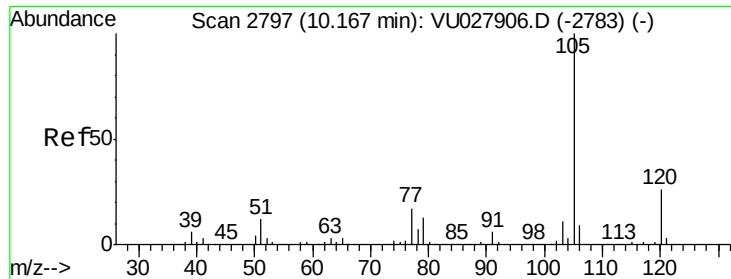
Abundance

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: 19.725 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027942.D

Acq: 05 Nov 2018 09:21

Instrument :

MSVOA\_U

ClientSampleId :

VU1105WBS01

Tot Ion: 105 Resp: 211866

Ion Ratio Lower Upper

105 100

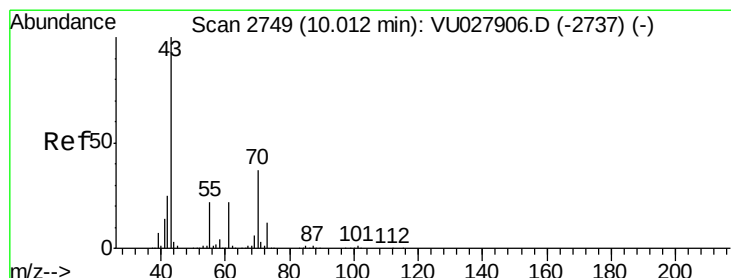
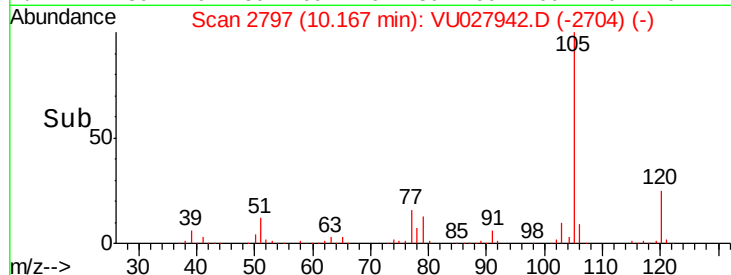
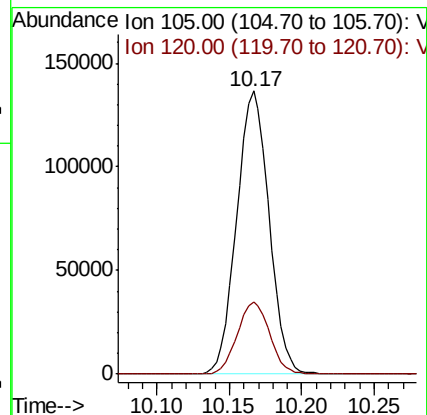
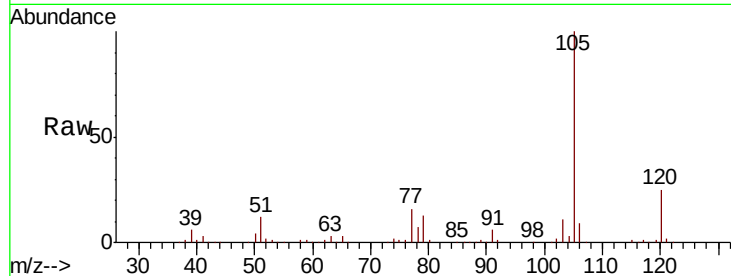
120 25.5 12.7 38.0

Manual Integrations

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MMDadoda

11/6/2018 12:06:43 PM



#74

N-ethyl acetate

Concen: 19.922 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU027942.D

Acq: 05 Nov 2018 09:21

Tgt Ion: 43 Resp: 129387

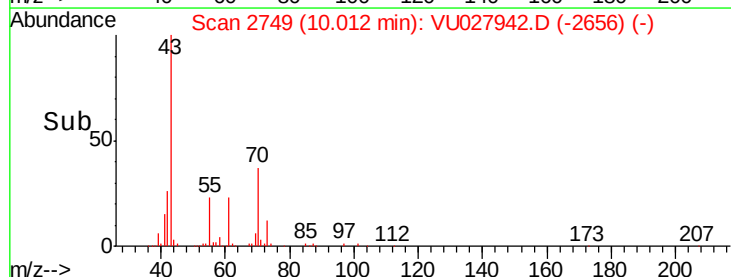
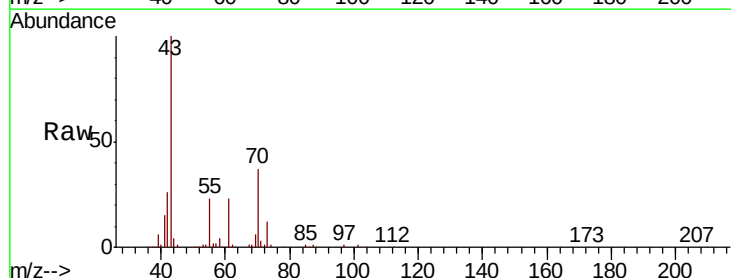
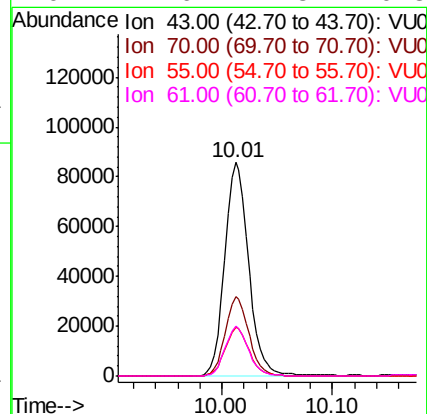
Ion Ratio Lower Upper

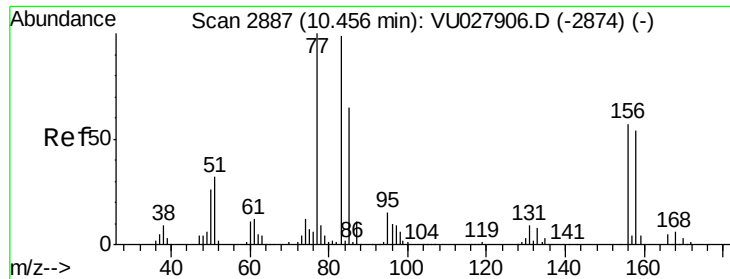
43 100

70 36.5 29.2 43.8

55 22.5 17.8 26.6

61 22.6 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.881 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027942.D

Acq: 05 Nov 2018 09:21

Instrument :

MSVOA\_U

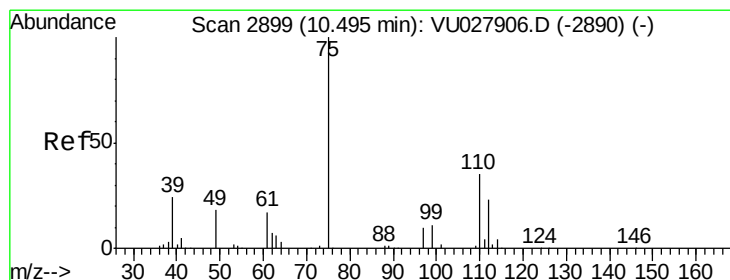
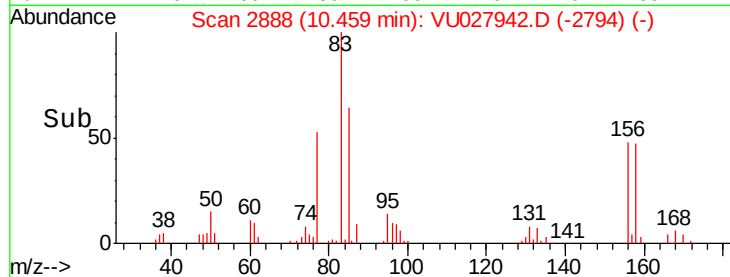
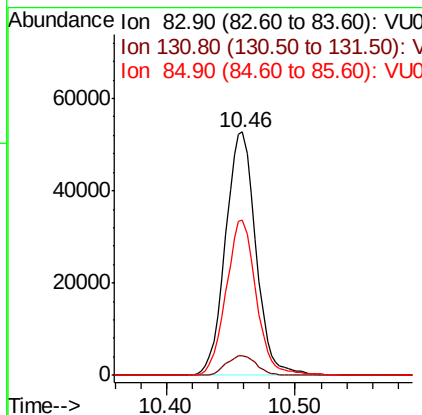
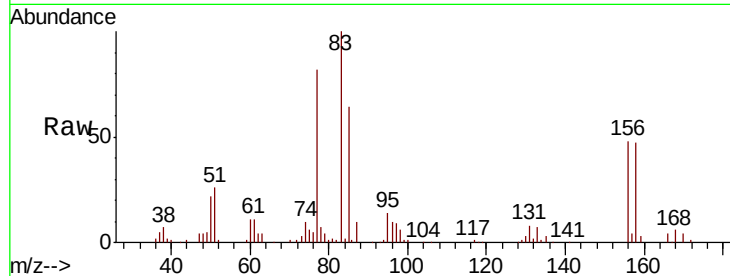
ClientSampleId :

VU1105WBS01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 83      | 100   |      |       |       |
| 131     | 8.0   | 4.3  | 13.1  |       |
| 85      | 63.3  | 32.4 | 97.2  |       |

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 18.805 ug/l m

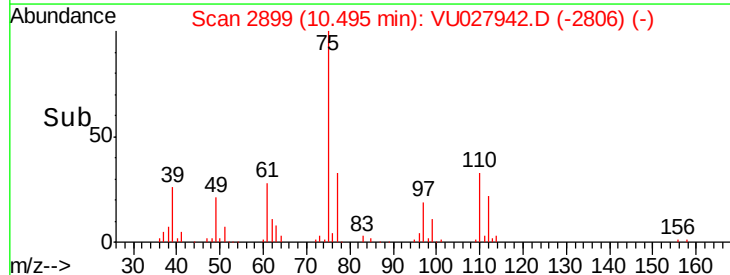
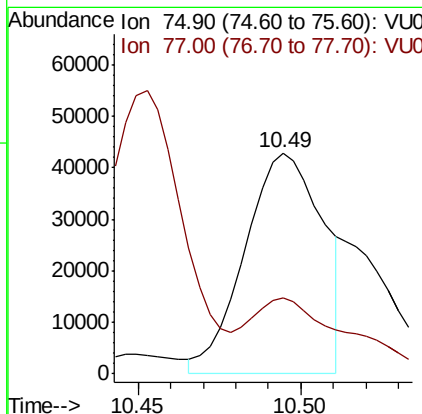
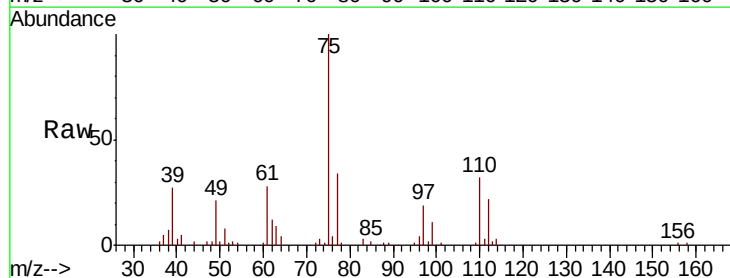
RT: 10.49 min Scan# 2899

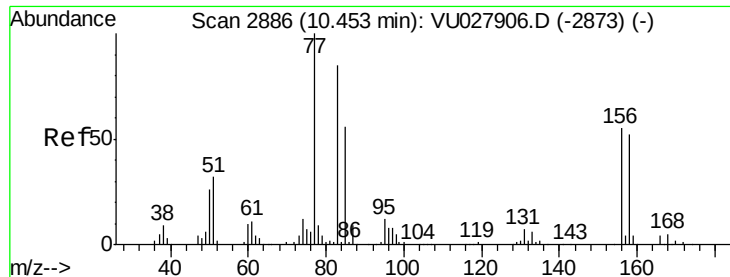
Delta R.T. -0.00 min

Lab File: VU027942.D

Acq: 05 Nov 2018 09:21

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 75      | 100   |      |       |       |
| 77      | 44.1  | 21.6 | 64.6  |       |





#77

Bromobenzene

Concen: 20.374 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU027942.D

Acq: 05 Nov 2018 09:21

Instrument :

MSVOA\_U

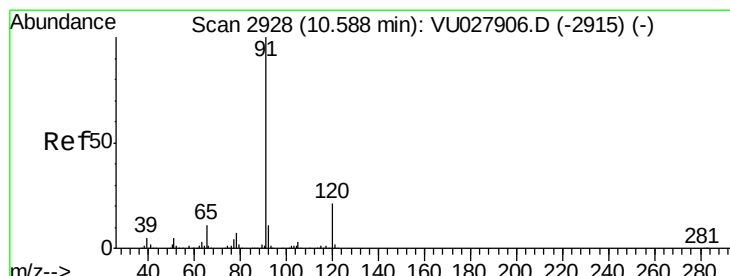
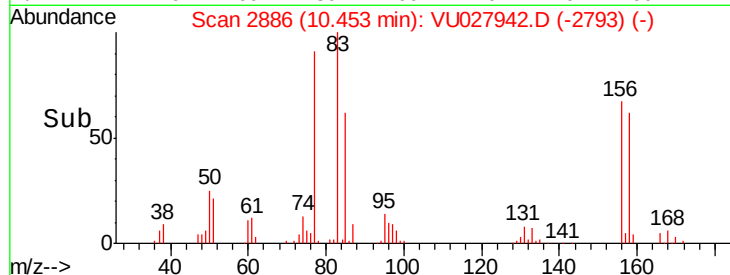
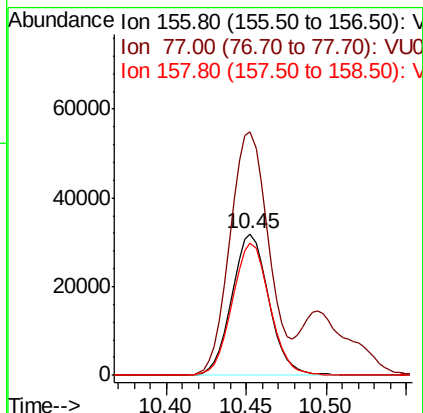
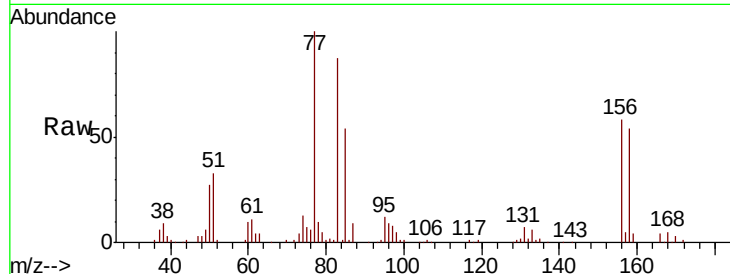
ClientSampleId :

VU1105WBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 156   | Resp: | 50179 |
| Ion      | Ratio | Lower | Upper |
| 156      | 100   |       |       |
| 77       | 180.8 | 91.8  | 275.6 |
| 158      | 94.7  | 48.4  | 145.2 |

Manual Integrations  
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#78

n-propylbenzene

Concen: 19.926 ug/l

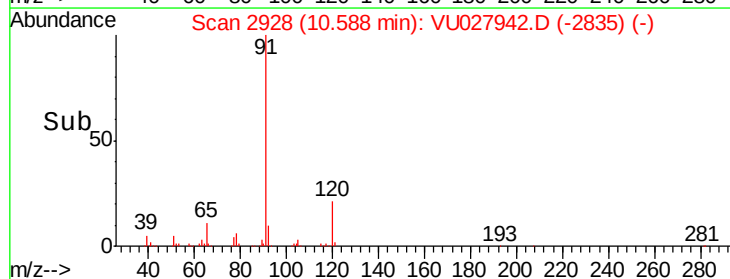
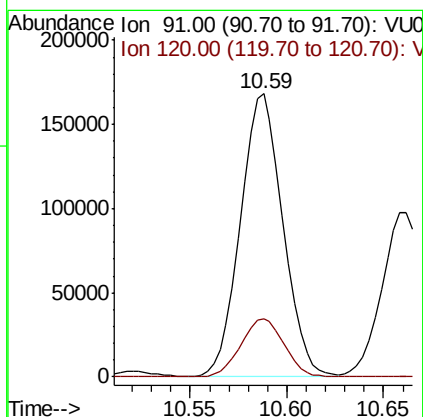
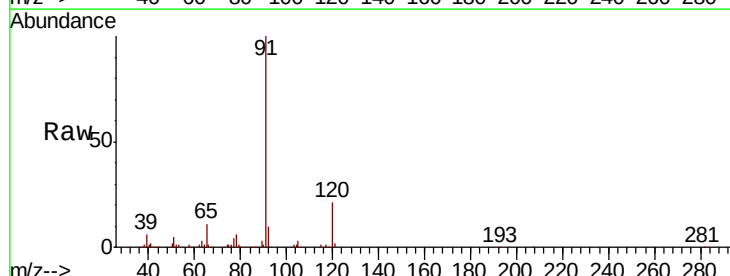
RT: 10.59 min Scan# 2928

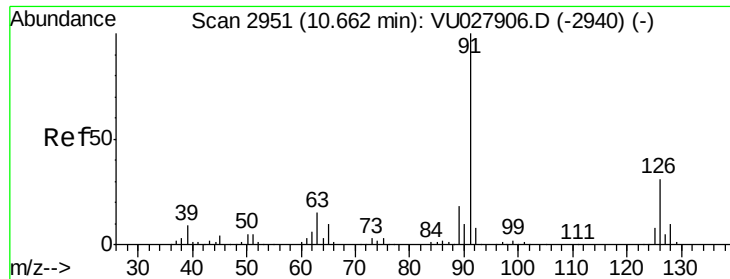
Delta R.T. -0.00 min

Lab File: VU027942.D

Acq: 05 Nov 2018 09:21

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 256178 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 120      | 21.0  | 10.6  | 31.8   |





#79

2-Chlorotoluene

Concen: 19.569 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. -0.00 min

Lab File: VU027942.D

Acq: 05 Nov 2018 09:21

Instrument :

MSVOA\_U

ClientSampleId :

VU1105WBS01

Tot Ion: 91 Resp: 150804

Ion Ratio Lower Upper

91 100

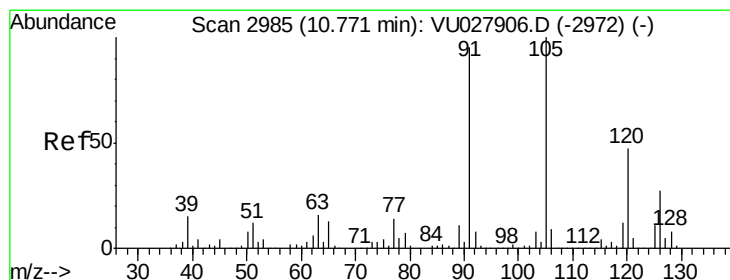
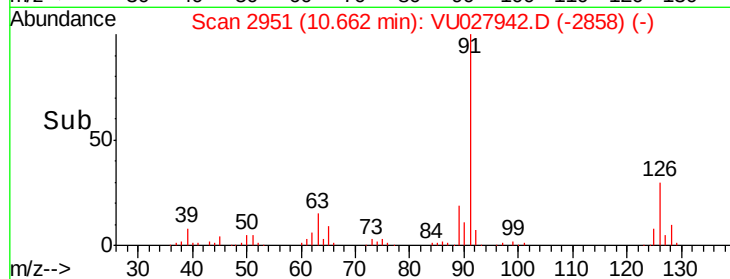
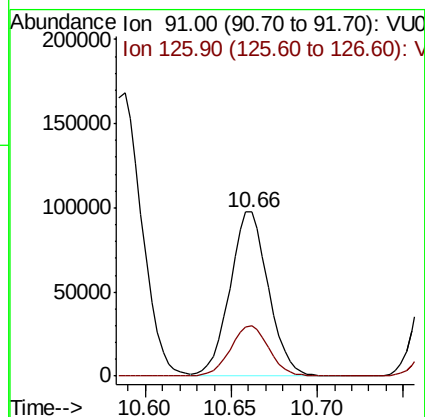
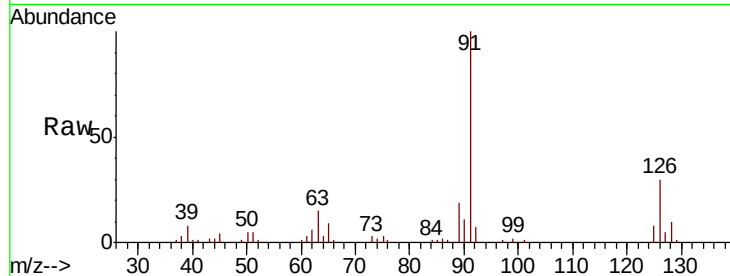
126 31.2 16.0 47.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.787 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU027942.D

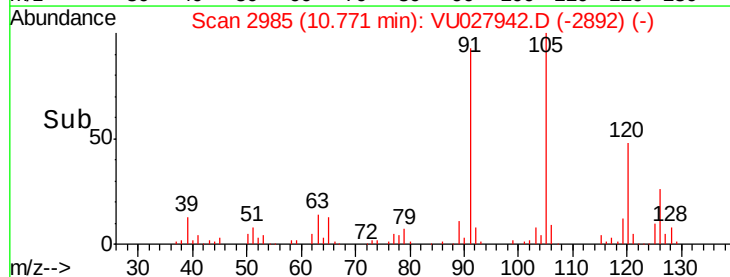
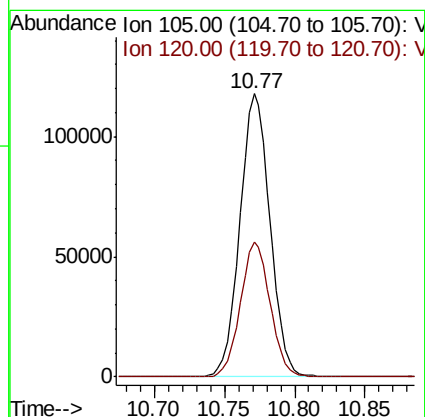
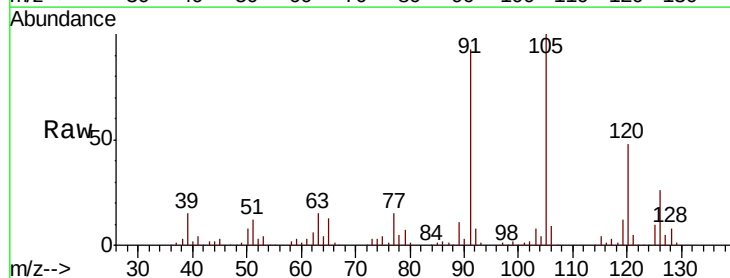
Acq: 05 Nov 2018 09:21

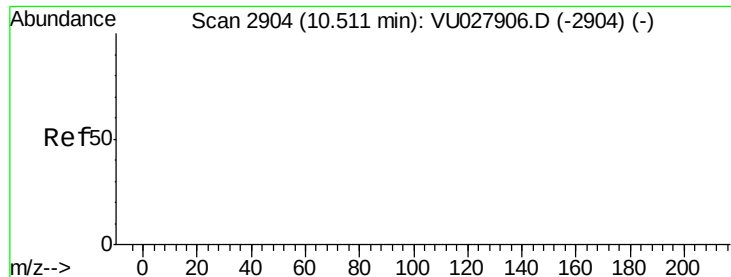
Tgt Ion: 105 Resp: 176059

Ion Ratio Lower Upper

105 100

120 47.2 23.3 69.9





#81

trans-1,4-Dichloro-2-butene

Concen: 18.736 ug/l m

RT: 10.51 min Scan# 2904

Delta R.T. 0.00 min

Lab File: VU027942.D

Acq: 05 Nov 2018 09:21

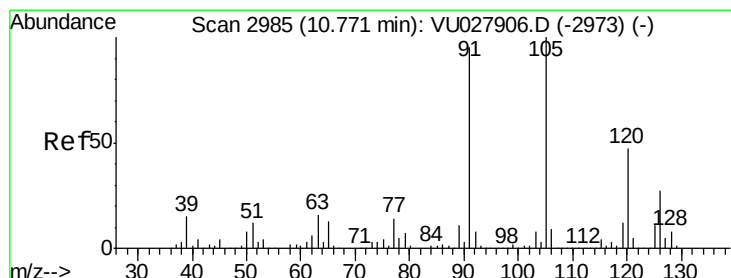
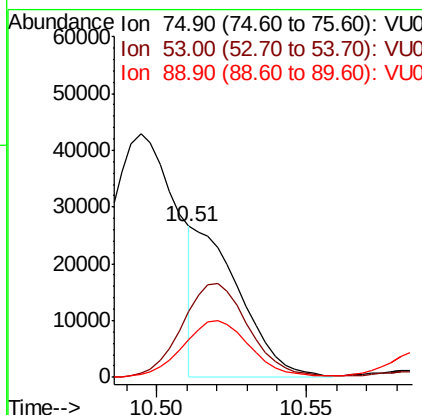
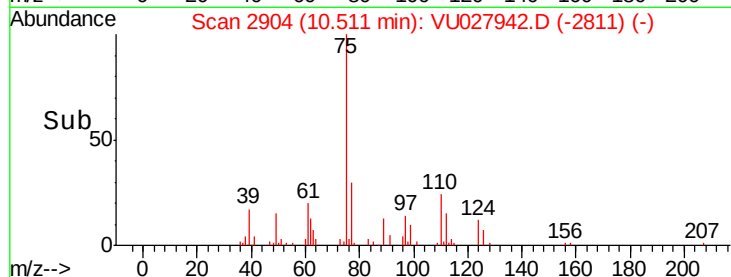
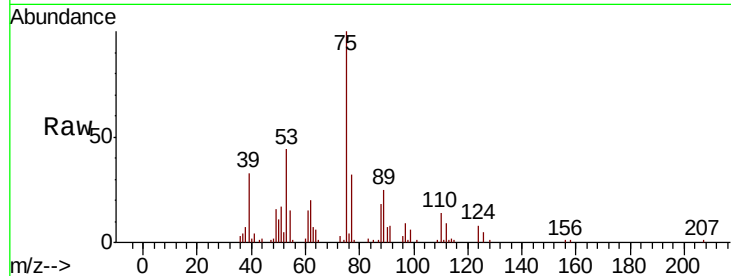
Instrument :  
MSVOA\_U

ClientSampleId :  
VU1105WBS01

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

Manual Integrations  
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11/6/2018 12:06:43 PM



#82

4-Chlorotoluene

Concen: 19.484 ug/l

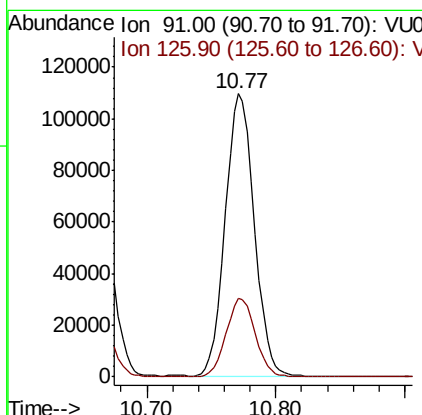
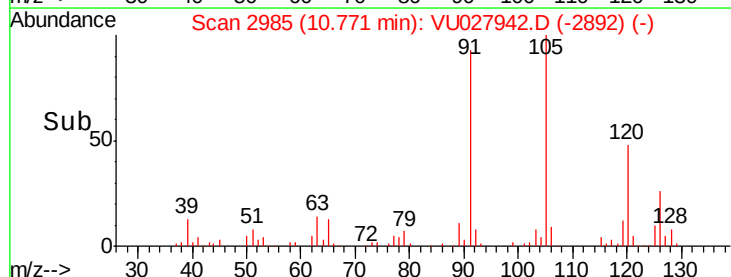
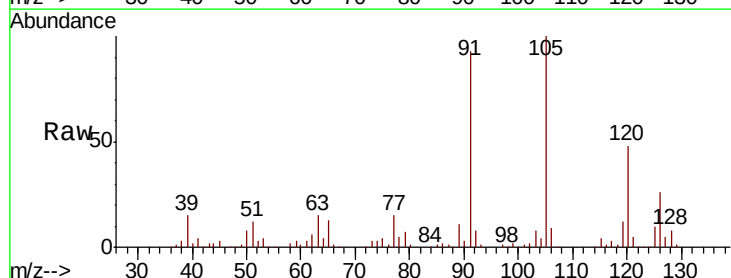
RT: 10.77 min Scan# 2985

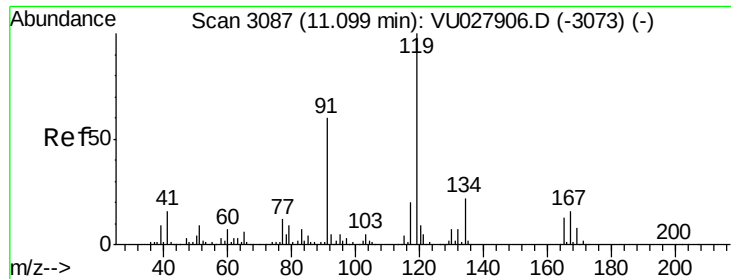
Delta R.T. -0.00 min

Lab File: VU027942.D

Acq: 05 Nov 2018 09:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 28.1  | 14.2  | 42.6  |





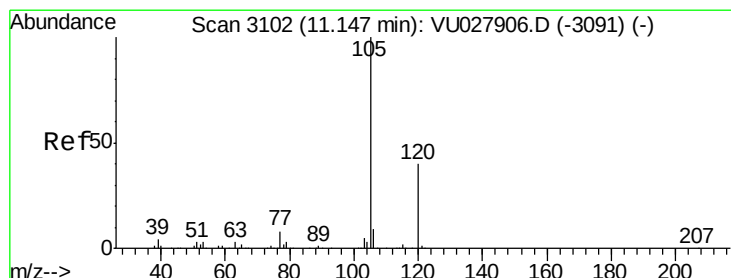
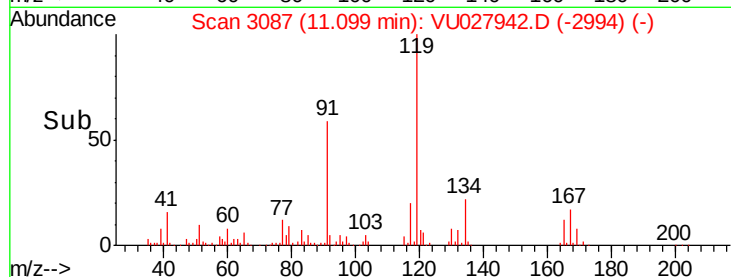
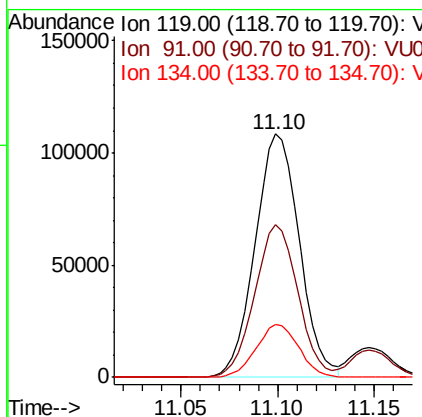
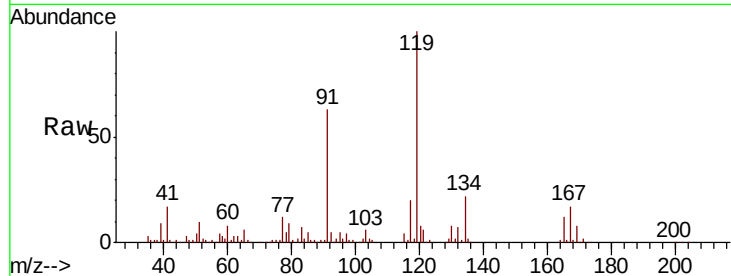
#83  
tert-Butylbenzene  
Concen: 19.477 ug/l  
RT: 11.10 min Scan# 3087  
Delta R.T. -0.00 min  
Lab File: VU027942.D  
Acq: 05 Nov 2018 09:21

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1105WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 61.2  | 29.8  | 89.3  |
| 134     | 21.0  | 11.1  | 33.1  |

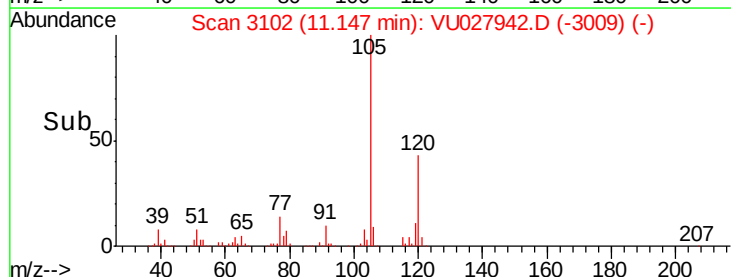
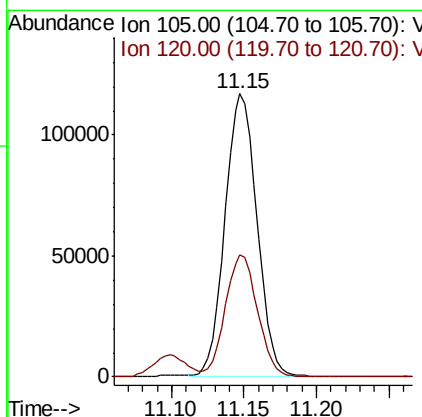
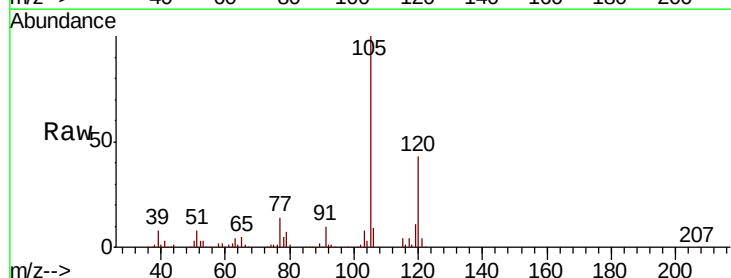
Manual Integrations  
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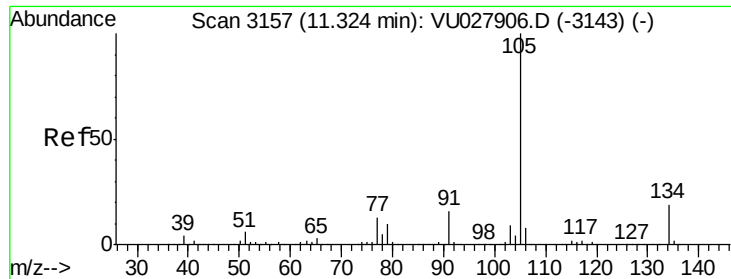
MMDadoda  
11/6/2018 12:06:43 PM



#84  
1,2,4-Trimethylbenzene  
Concen: 19.985 ug/l  
RT: 11.15 min Scan# 3102  
Delta R.T. -0.00 min  
Lab File: VU027942.D  
Acq: 05 Nov 2018 09:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 43.4  | 22.1  | 66.1  |





#85

sec-Butylbenzene

Concen: 20.024 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. -0.00 min

Lab File: VU027942.D

Acq: 05 Nov 2018 09:21

Instrument :

MSVOA\_U

ClientSampleId :

VU1105WBS01

Tot Ion:105 Resp: 216618

Ion Ratio Lower Upper

105 100

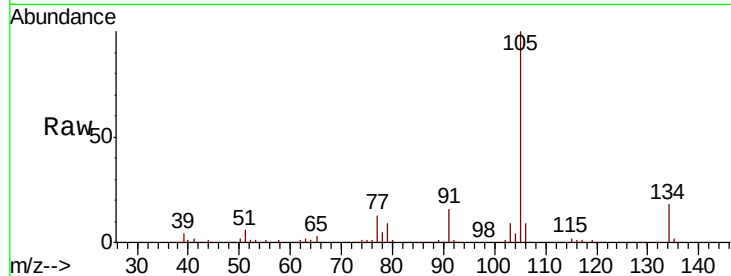
134 18.3 9.2 27.6

Manual Integrations

APPROVED

MMDadoda

11/6/2018 12:06:43 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.32

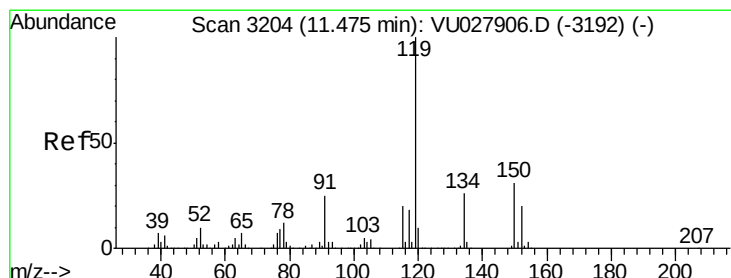
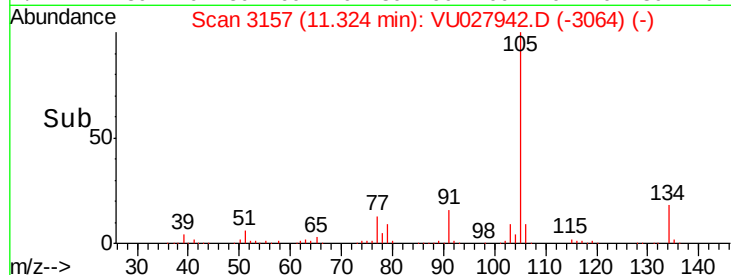
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.913 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU027942.D

Acq: 05 Nov 2018 09:21

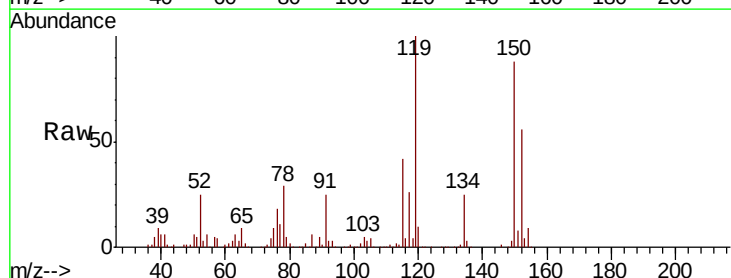
Tgt Ion:119 Resp: 180082

Ion Ratio Lower Upper

119 100

134 25.2 12.9 38.7

91 25.2 12.4 37.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU

11.48

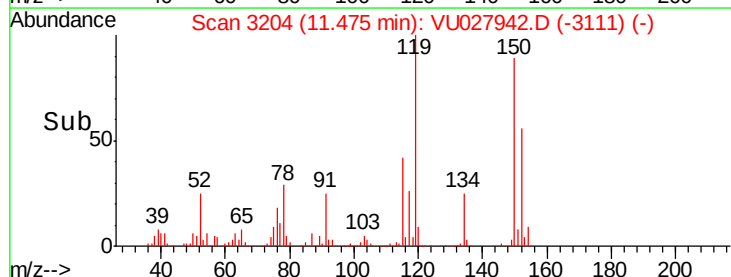
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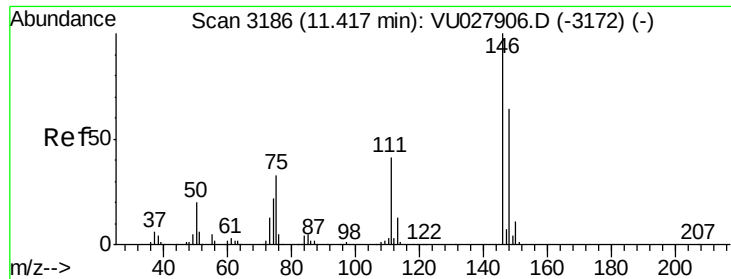
50000

0

Time-->







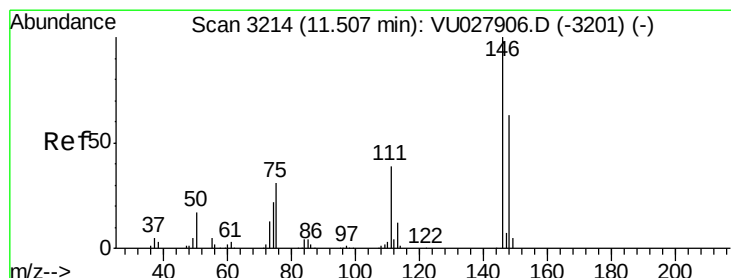
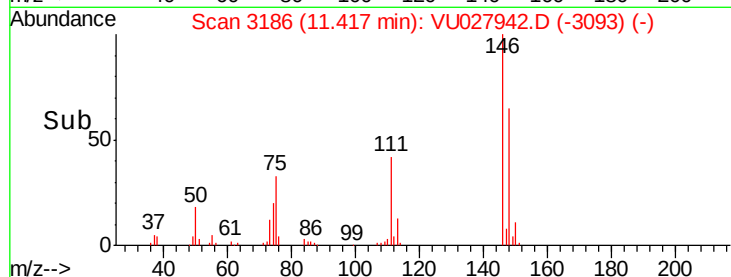
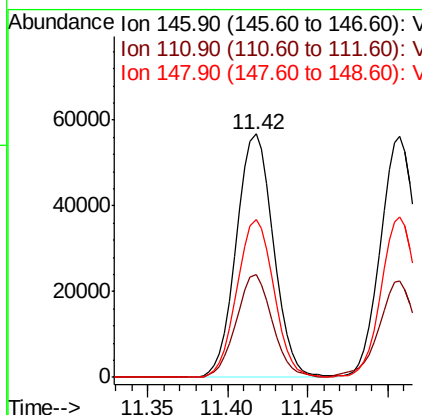
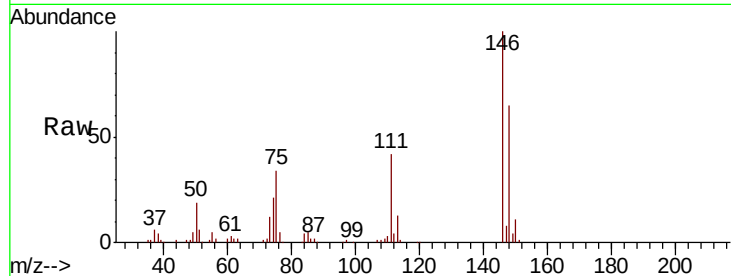
#87  
 1,3-Dichlorobenzene  
 Concen: 19.694 ug/l  
 RT: 11.42 min Scan# 3186  
 Delta R.T. -0.00 min  
 Lab File: VU027942.D  
 Acq: 05 Nov 2018 09:21

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1105WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.0  | 20.3  | 61.0  |
| 148     | 64.4  | 31.8  | 95.4  |

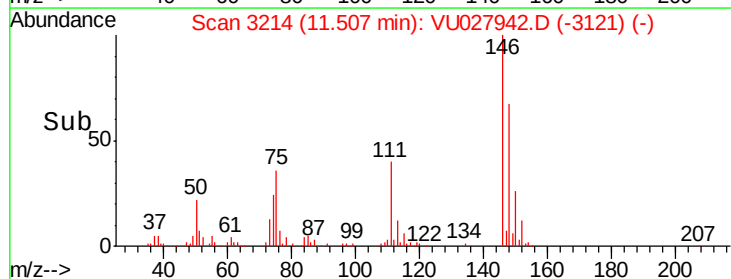
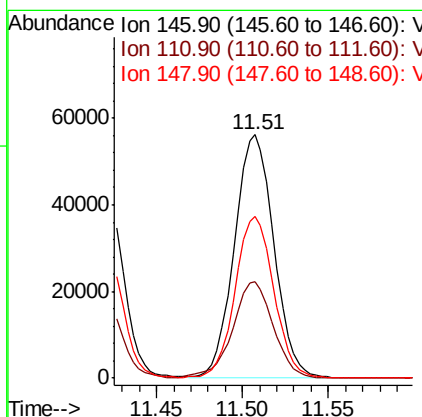
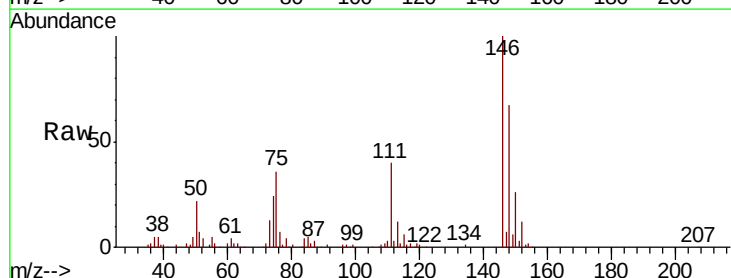
Manual Integrations  
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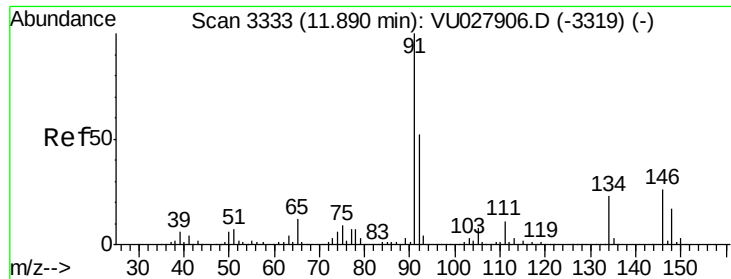
MMDadoda  
 11/6/2018 12:06:43 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 19.190 ug/l  
 RT: 11.51 min Scan# 3214  
 Delta R.T. -0.00 min  
 Lab File: VU027942.D  
 Acq: 05 Nov 2018 09:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.1  | 20.3  | 60.9  |
| 148     | 65.7  | 32.0  | 96.2  |





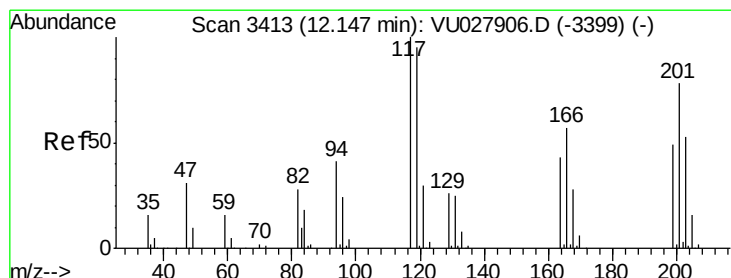
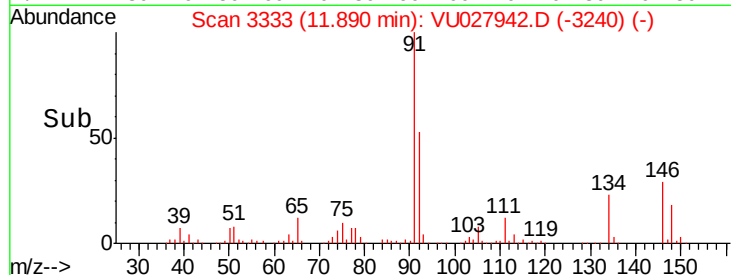
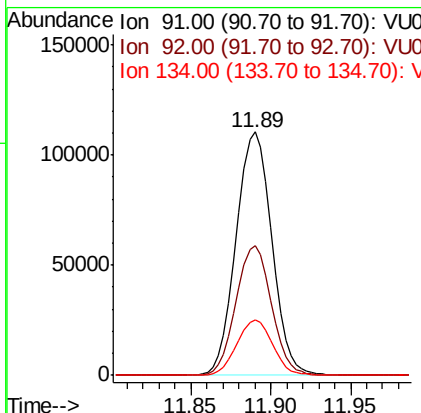
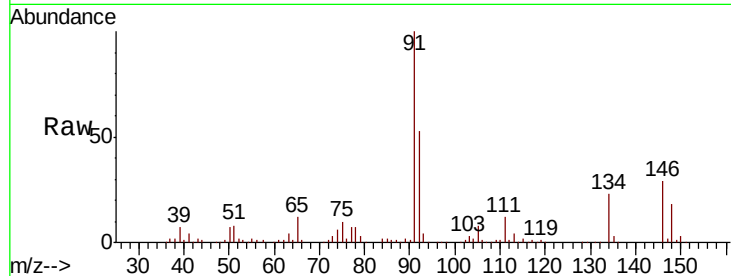
#89  
n-Butylbenzene  
Concen: 19.616 ug/l  
RT: 11.89 min Scan# 3333  
Delta R.T. -0.00 min  
Lab File: VU027942.D  
Acq: 05 Nov 2018 09:21

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1105WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.9  | 26.2  | 78.5  |
| 134     | 22.8  | 11.5  | 34.5  |

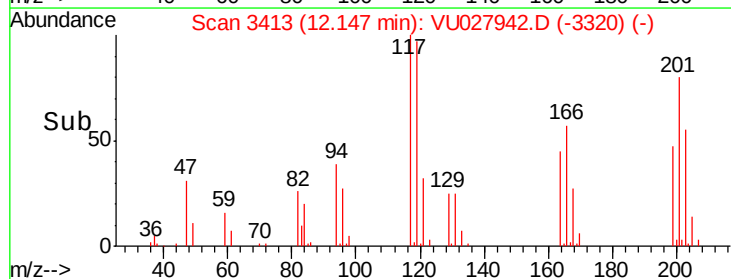
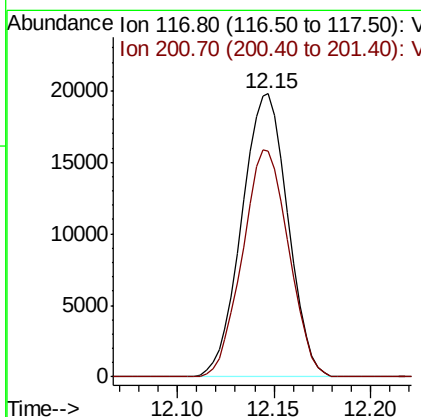
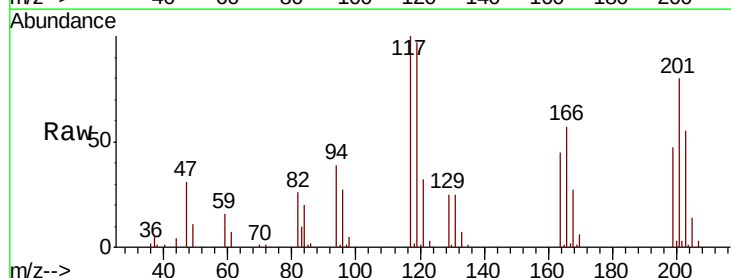
Manual Integrations  
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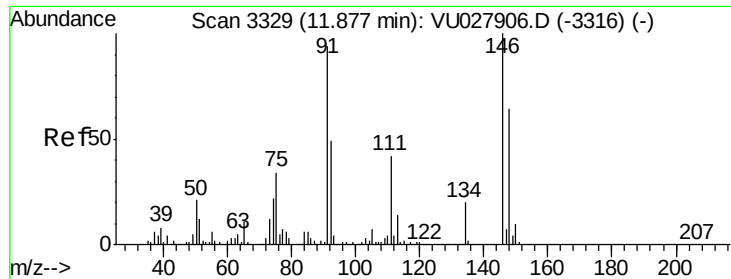
MMDadoda  
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#90  
Hexachloroethane  
Concen: 20.384 ug/l  
RT: 12.15 min Scan# 3413  
Delta R.T. -0.00 min  
Lab File: VU027942.D  
Acq: 05 Nov 2018 09:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 80.1  | 38.5  | 115.5 |





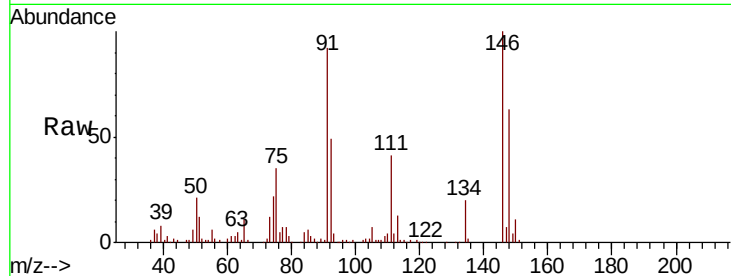
#91  
 1,2-Dichlorobenzene  
 Concen: 19.820 ug/l  
 RT: 11.88 min Scan# 3329  
 Delta R.T. -0.00 min  
 Lab File: VU027942.D  
 Acq: 05 Nov 2018 09:21

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1105WBS01

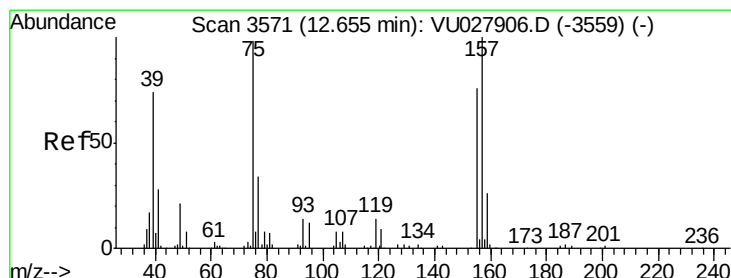
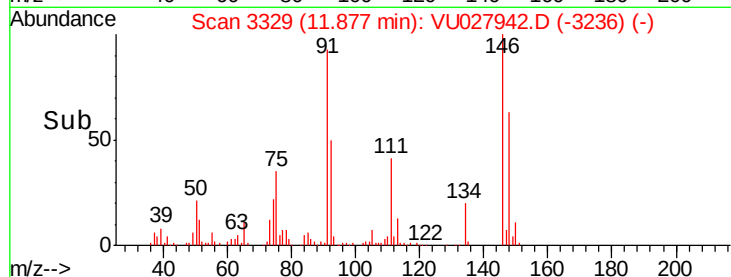
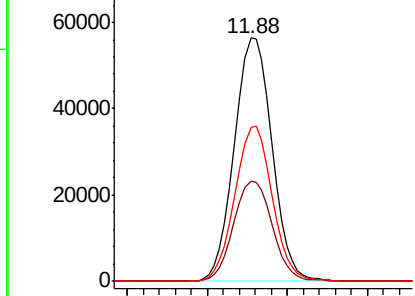
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.3  | 21.3  | 64.0  |
| 148     | 63.6  | 31.8  | 95.3  |

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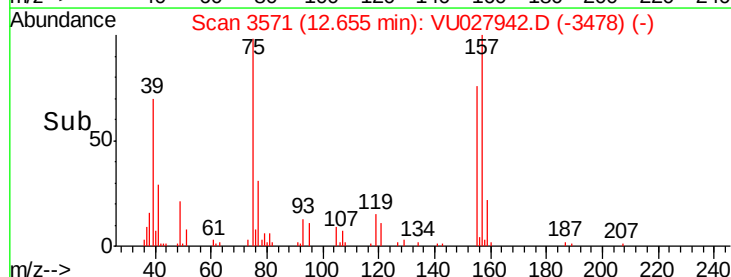
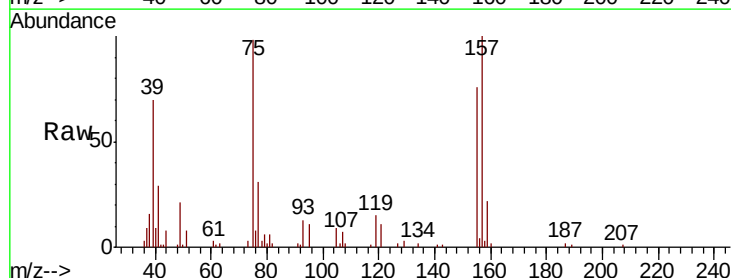
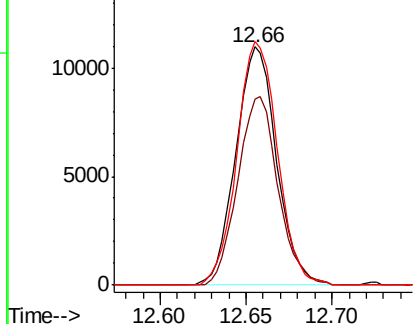
Abundance Ion 145.90 (145.60 to 146.60): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 147.90 (147.60 to 148.60): V

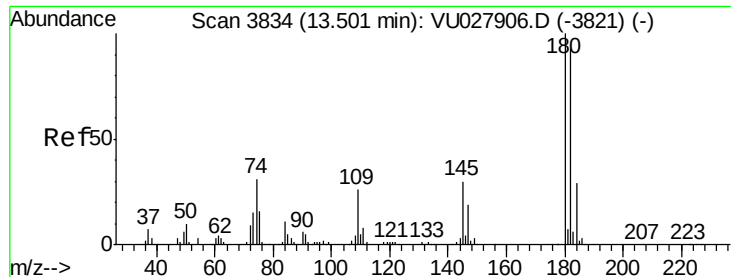


#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 19.797 ug/l  
 RT: 12.66 min Scan# 3571  
 Delta R.T. -0.00 min  
 Lab File: VU027942.D  
 Acq: 05 Nov 2018 09:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 77.9  | 39.8  | 119.3 |
| 157     | 101.3 | 50.6  | 151.9 |

Abundance Ion 74.90 (74.60 to 75.60): VU0  
 Ion 154.80 (154.50 to 155.50): V  
 Ion 156.80 (156.50 to 157.50): V





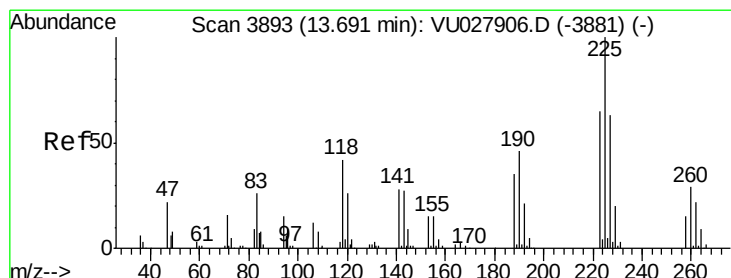
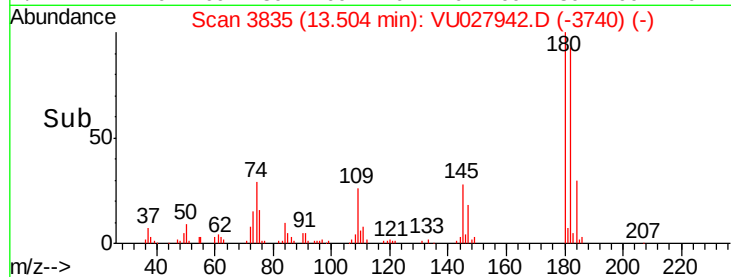
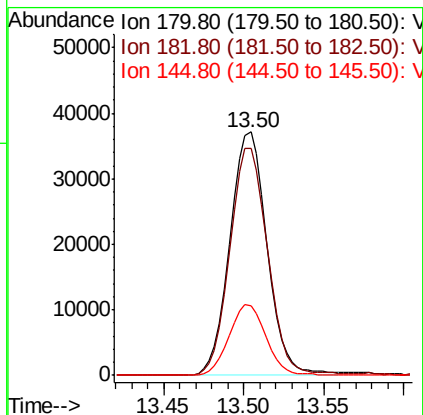
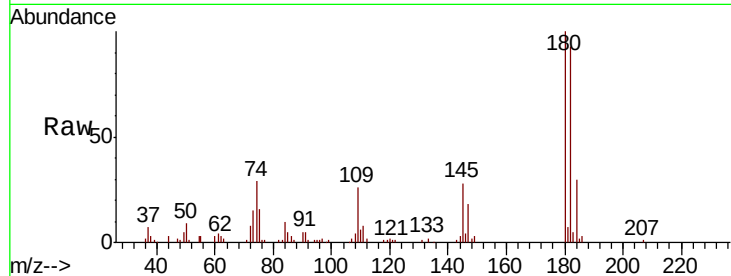
#93  
1,2,4-Trichlorobenzene  
Concen: 18.728 ug/l  
RT: 13.50 min Scan# 3835  
Delta R.T. 0.00 min  
Lab File: VU027942.D  
Acq: 05 Nov 2018 09:21

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1105WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.1  | 48.4  | 145.2 |
| 145     | 28.7  | 14.9  | 44.5  |

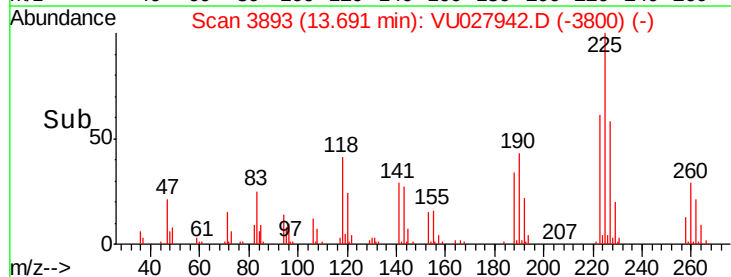
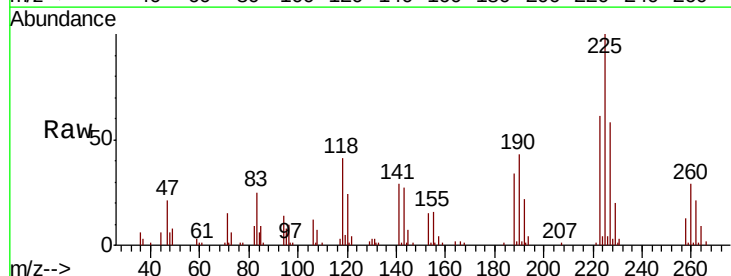
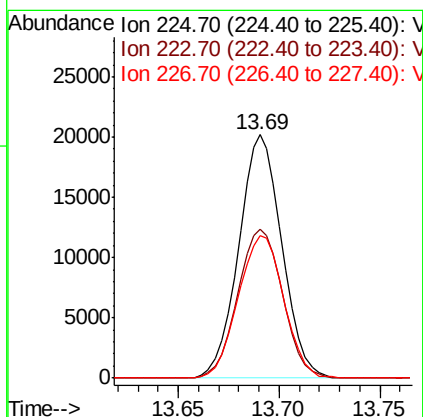
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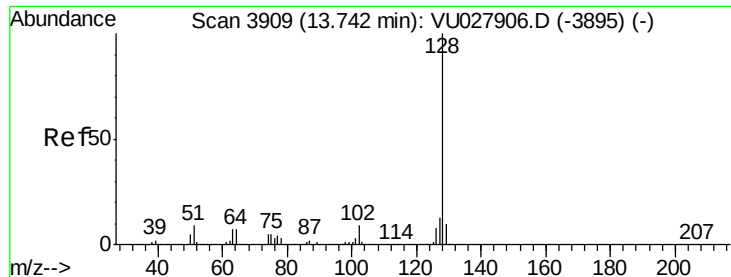
MMDadoda  
11/6/2018 12:06:43 PM



#94  
Hexachlorobutadiene  
Concen: 20.752 ug/l  
RT: 13.69 min Scan# 3893  
Delta R.T. -0.00 min  
Lab File: VU027942.D  
Acq: 05 Nov 2018 09:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.7  | 32.2  | 96.6  |
| 227     | 61.8  | 32.5  | 97.4  |





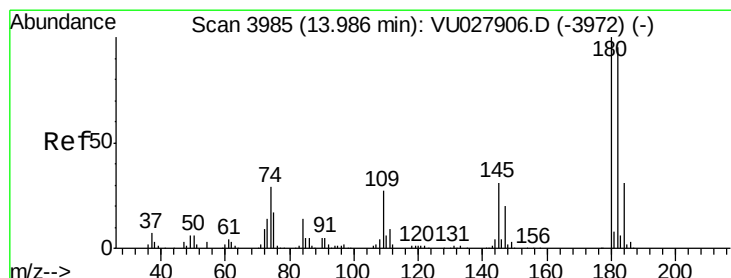
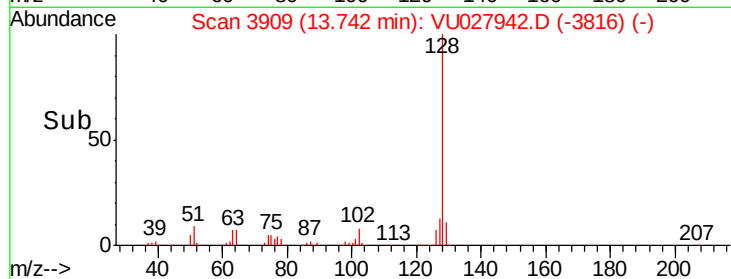
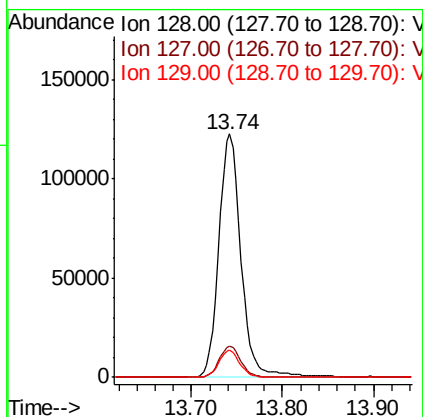
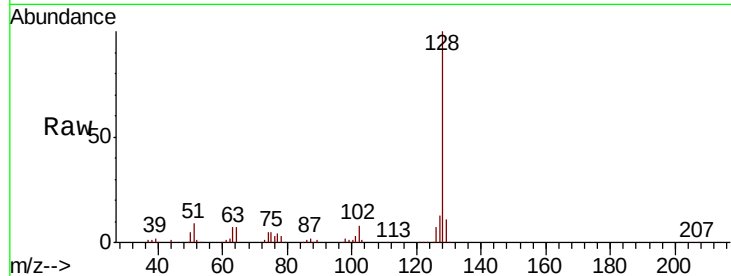
#95  
Naphthalene  
Concen: 18.150 ug/l  
RT: 13.74 min Scan# 3909  
Delta R.T. -0.00 min  
Lab File: VU027942.D  
Acq: 05 Nov 2018 09:21

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1105WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.4  | 10.4  | 15.6  |
| 129     | 10.5  | 8.3   | 12.5  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 19.430 ug/l  
RT: 13.99 min Scan# 3985  
Delta R.T. 0.00 min  
Lab File: VU027942.D  
Acq: 05 Nov 2018 09:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.9  | 47.4  | 142.3 |
| 145     | 31.9  | 16.0  | 47.9  |

