

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092218\  
 Data File : VU026975.D  
 Acq On : 21 Sep 2018 18:32  
 Operator : MD/SY  
 Sample : J4916-17MS  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 SA-PZ139I-20180911MS

Manual Integrations  
 APPROVED

MMDadoda  
 9/24/2018 2:14:13 PM

Quant Time: Sep 22 01:51:40 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U092218W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 22 01:31:57 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.98  | 168  | 77932    | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.89  | 114  | 137785   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.09  | 117  | 131534   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 69633    | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 5.31   | 65  | 86219    | 54.97 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 109.94% |      |
| 35) Dibromofluoromethane  | 4.88   | 113 | 63543    | 53.20 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.40% |      |
| 50) Toluene-d8            | 7.57   | 98  | 228115   | 50.12 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.24% |      |
| 62) 4-Bromofluorobenzene  | 10.31  | 95  | 81935    | 52.46 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.92% |      |

## Target Compounds

|                               |      |     |        |         |      | Qvalue |
|-------------------------------|------|-----|--------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.21 | 85  | 52940  | 52.029  | ug/l | 98     |
| 3) Chloromethane              | 1.33 | 50  | 90918  | 51.826  | ug/l | 99     |
| 4) Vinyl Chloride             | 1.40 | 62  | 86089  | 52.572  | ug/l | 100    |
| 5) Bromomethane               | 1.61 | 94  | 45753  | 49.064  | ug/l | 98     |
| 6) Chloroethane               | 1.69 | 64  | 55689  | 53.225  | ug/l | 99     |
| 7) Trichlorofluoromethane     | 1.88 | 101 | 94195  | 50.646  | ug/l | 100    |
| 8) Diethyl Ether              | 2.11 | 74  | 51397  | 57.413  | ug/l | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 2.29 | 101 | 52120  | 45.577  | ug/l | 100    |
| 10) Methyl Iodide             | 2.41 | 142 | 75971  | 53.565  | ug/l | 99     |
| 11) Tert butyl alcohol        | 2.83 | 59  | 116270 | 323.409 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 2.28 | 96  | 56437  | 52.433  | ug/l | 98     |
| 13) Acrolein                  | 2.20 | 56  | 46765  | 241.303 | ug/l | 99     |
| 14) Allyl chloride            | 2.59 | 41  | 112716 | 51.631  | ug/l | 99     |
| 15) Acrylonitrile             | 2.94 | 53  | 272281 | 300.493 | ug/l | 98     |
| 16) Acetone                   | 2.32 | 43  | 261493 | 318.388 | ug/l | 100    |
| 17) Carbon Disulfide          | 2.48 | 76  | 167023 | 47.634  | ug/l | 99     |
| 18) Methyl Acetate            | 2.62 | 43  | 102216 | 45.785  | ug/l | 100    |
| 19) Methyl tert-butyl Ether   | 3.00 | 73  | 245504 | 62.069  | ug/l | 98     |
| 20) Methylene Chloride        | 2.70 | 84  | 75940  | 54.061  | ug/l | 99     |
| 21) trans-1,2-Dichloroethene  | 2.98 | 96  | 63442  | 55.206  | ug/l | 97     |
| 22) Diisopropyl ether         | 3.58 | 45  | 287774 | 61.629  | ug/l | 95     |
| 23) Vinyl Acetate             | 3.53 | 43  | 804945 | 202.229 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 3.45 | 63  | 148675 | 57.810  | ug/l | 100    |
| 25) 2-Butanone                | 4.26 | 43  | 389923 | 295.809 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 4.23 | 77  | 51798  | 25.826  | ug/l | 94     |
| 27) cis-1,2-Dichloroethene    | 4.23 | 96  | 75080  | 57.851  | ug/l | 94     |
| 28) Bromochloromethane        | 4.55 | 49  | 69790  | 56.295  | ug/l | 98     |
| 29) Tetrahydrofuran           | 4.64 | 42  | 249607 | 313.027 | ug/l | 100    |
| 30) Chloroform                | 4.67 | 83  | 134061 | 56.158  | ug/l | 100    |
| 31) Cyclohexane               | 5.00 | 56  | 102595 | 43.815  | ug/l | 99     |
| 32) 1,1,1-Trichloroethane     | 4.92 | 97  | 105407 | 55.303  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 5.14 | 75  | 89608  | 48.729  | ug/l | 98     |
| 37) Ethyl Acetate             | 4.38 | 43  | 99190  | 39.845  | ug/l | 98     |
| 38) Carbon Tetrachloride      | 5.14 | 117 | 86072  | 49.185  | ug/l | 99     |

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Manual Integrations  
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Quant Time: Sep 22 01:51:40 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U092218W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 22 01:31:57 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 6.42  | 83   | 80748    | 40.407   | ug/l   | 99       |
| 40) Benzene                    | 5.39  | 78   | 295819   | 52.917   | ug/l   | 99       |
| 41) Methacrylonitrile          | 4.54  | 41   | 79623    | 61.587   | ug/l   | 98       |
| 42) 1,2-Dichloroethane         | 5.41  | 62   | 115124   | 54.508   | ug/l   | 100      |
| 43) Isopropyl Acetate          | 5.55  | 43   | 173680   | 47.840   | ug/l   | 99       |
| 44) Trichloroethene            | 6.19  | 130  | 61255    | 51.470   | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 6.43  | 63   | 88040    | 55.272   | ug/l   | 99       |
| 46) Dibromomethane             | 6.56  | 93   | 51884    | 53.934   | ug/l   | 99       |
| 47) Bromodichloromethane       | 6.76  | 83   | 104100   | 53.516   | ug/l   | 99       |
| 48) Methyl methacrylate        | 6.62  | 41   | 108915   | 55.016   | ug/l   | 98       |
| 49) 1,4-Dioxane                | 6.61  | 88   | 46787    | 1192.592 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone       | 7.46  | 43   | 731798   | 299.708  | ug/l   | 99       |
| 52) Toluene                    | 7.64  | 92   | 173946   | 54.285   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 7.88  | 75   | 108149   | 51.747   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 7.27  | 75   | 113031   | 49.187   | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 8.07  | 97   | 75699    | 55.753   | ug/l   | 99       |
| 56) Ethyl methacrylate         | 8.02  | 69   | 127280   | 53.851   | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 8.24  | 76   | 142295   | 56.348   | ug/l   | 100      |
| 59) 2-Hexanone                 | 8.36  | 43   | 566103   | 296.185  | ug/l   | 99       |
| 60) Dibromochloromethane       | 8.48  | 129  | 73876    | 55.470   | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 8.59  | 107  | 79202    | 56.065   | ug/l   | 100      |
| 64) Tetrachloroethene          | 8.23  | 164  | 45849    | 45.236   | ug/l   | 97       |
| 65) Chlorobenzene              | 9.12  | 112  | 179525   | 51.475   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 9.21  | 131  | 66825    | 55.629   | ug/l   | 99       |
| 67) Ethyl Benzene              | 9.25  | 91   | 309773   | 54.014   | ug/l   | 99       |
| 68) m/p-Xylenes                | 9.38  | 106  | 229742   | 98.932   | ug/l   | 100      |
| 69) o-Xylene                   | 9.78  | 106  | 115276   | 56.731   | ug/l   | 99       |
| 70) Stvrene                    | 9.79  | 104  | 193503   | 50.965   | ug/l   | 100      |
| 71) Bromoform                  | 9.96  | 173  | 53177    | 57.244   | ug/l # | 99       |
| 73) Isopropylbenzene           | 10.17 | 105  | 292783   | 55.274   | ug/l   | 100      |
| 74) N-amyl acetate             | 10.02 | 43   | 129618   | 42.275   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 10.46 | 83   | 135682   | 55.713   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 10.49 | 75   | 118891m  | 56.202   | ug/l   |          |
| 77) Bromobenzene               | 10.45 | 156  | 72186    | 55.768   | ug/l   | 97       |
| 78) n-propylbenzene            | 10.59 | 91   | 335442   | 53.521   | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 10.66 | 91   | 213738   | 54.293   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 10.77 | 105  | 244686   | 55.961   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 10.51 | 75   | 30321m   | 45.869   | ug/l   |          |
| 82) 4-Chlorotoluene            | 10.77 | 91   | 242464   | 54.928   | ug/l   | 100      |
| 83) tert-Butylbenzene          | 11.10 | 119  | 235803   | 54.548   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 11.15 | 105  | 253889   | 57.056   | ug/l   | 100      |
| 85) sec-Butylbenzene           | 11.32 | 105  | 273808   | 51.888   | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 11.48 | 119  | 233648   | 47.239   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 11.42 | 146  | 128187   | 53.218   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 11.51 | 146  | 130699   | 49.786   | ug/l   | 99       |
| 89) n-Butylbenzene             | 11.89 | 91   | 204595   | 42.978   | ug/l   | 100      |
| 90) Hexachloroethane           | 12.15 | 117  | 46840    | 48.812   | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 11.88 | 146  | 132832   | 51.915   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.66 | 75   | 29586    | 59.550   | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene     | 13.50 | 180  | 81991    | 55.607   | ug/l   | 100      |

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Sample : J4916-17MS  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
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Quant Title : SW846 8260  
QLast Update : Sat Sep 22 01:31:57 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 94) Hexachlorobutadiene    | 13.69 | 225  | 32632    | 41.827 | ug/l  | 100      |
| 95) Naphthalene            | 13.74 | 128  | 325763   | 56.288 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 13.99 | 180  | 90000    | 56.919 | ug/l  | 99       |

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

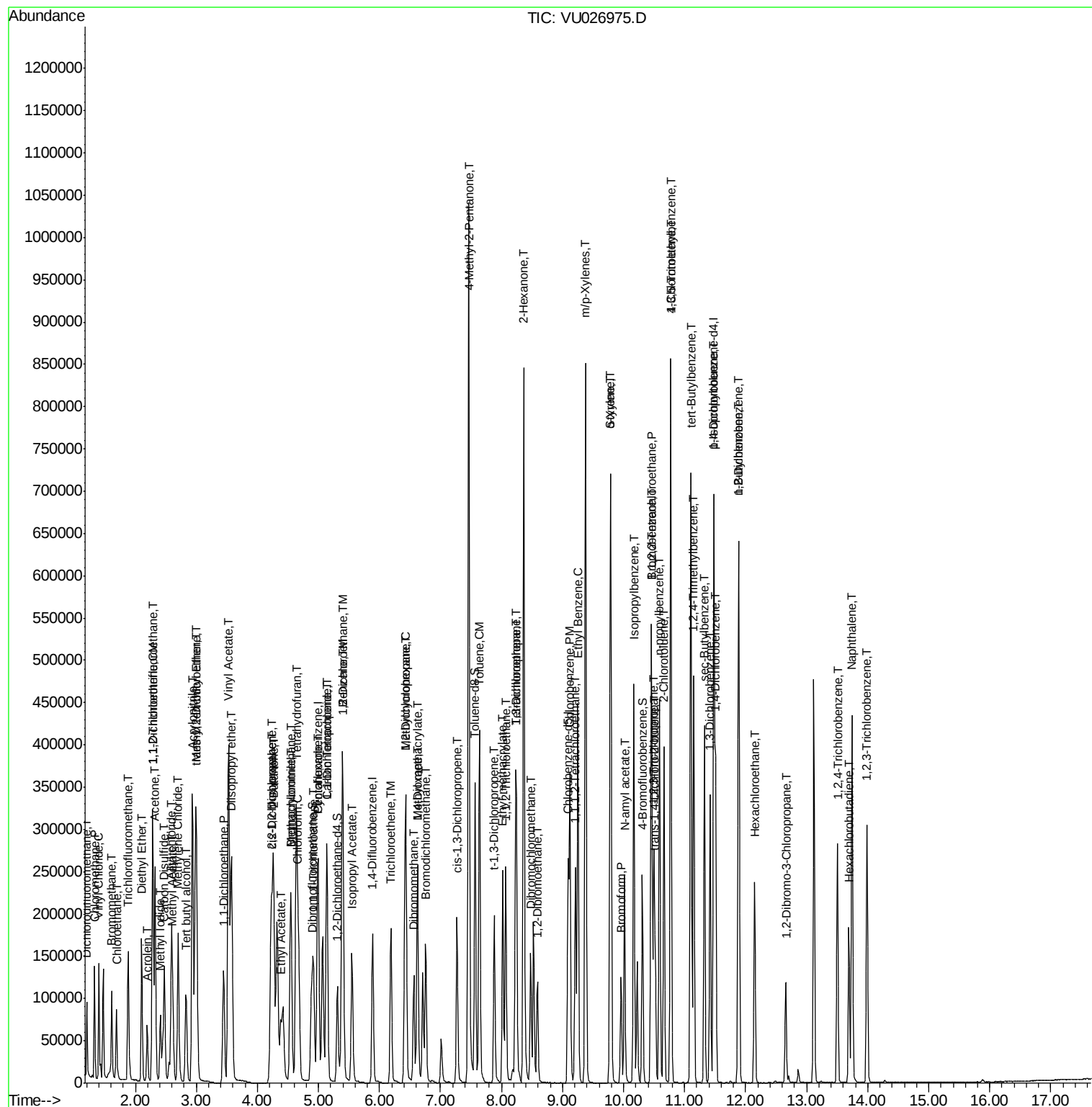
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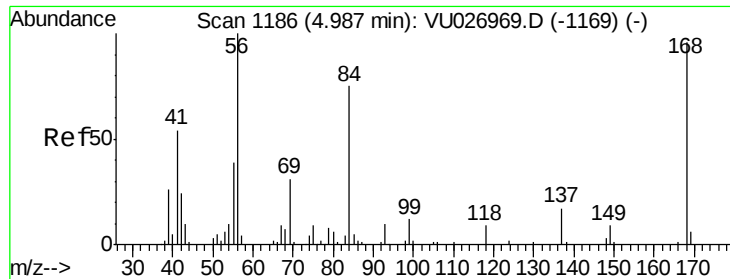
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU026975.D

Acq: 21 Sep 2018 18:32

Instrument :

MSVOA\_U

ClientSampleId :

SA-PZ139I-20180911MS

Tot Ion:168 Resp: 77932

Ion Ratio Lower Upper

168 100

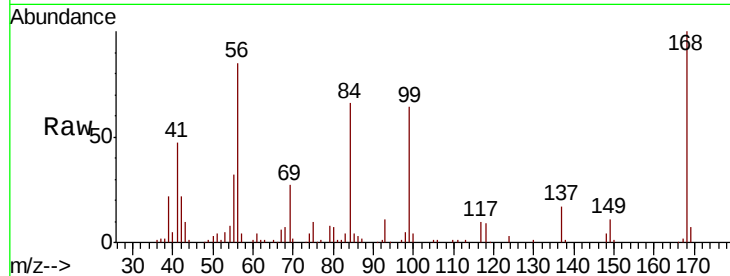
99 62.3 48.1 72.1

Manual Integrations

APPROVED

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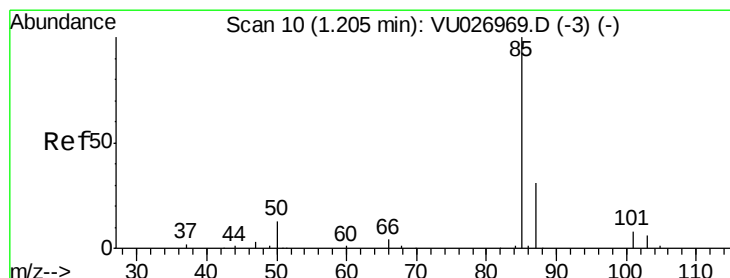
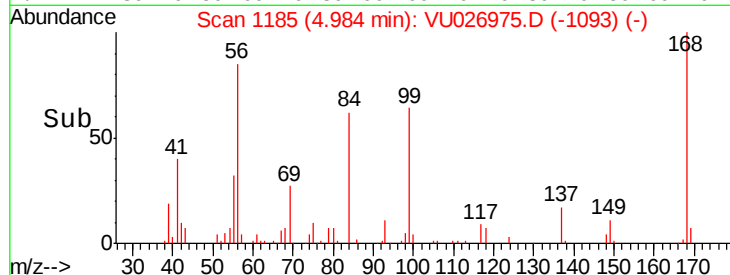
Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

4.98

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 52.029 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU026975.D

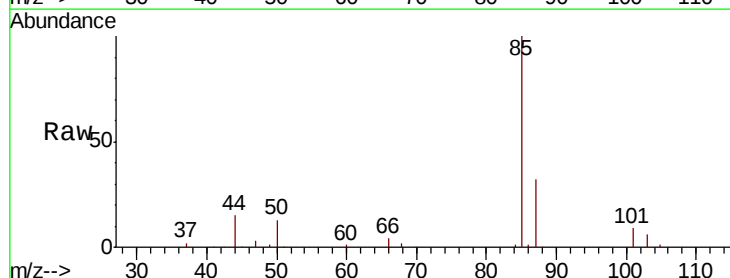
Acq: 21 Sep 2018 18:32

Tgt Ion: 85 Resp: 52940

Ion Ratio Lower Upper

85 100

87 32.1 15.6 46.7



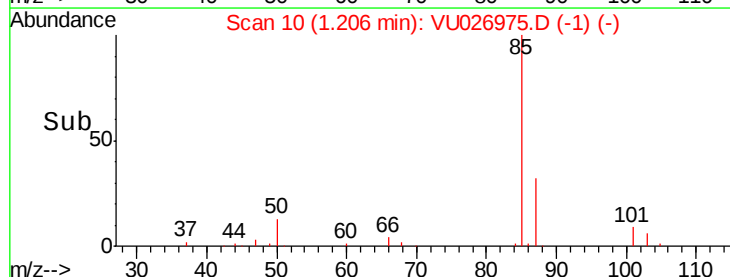
Abundance Ion 84.90 (84.60 to 85.60): VU026969.D (-3) (-)

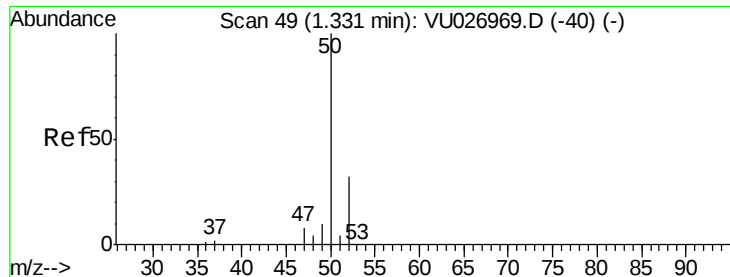
Ion 86.90 (86.60 to 87.60): VU026969.D (-3) (-)

1.21

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 51.826 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU026975.D

Acq: 21 Sep 2018 18:32

Instrument :

MSVOA\_U

ClientSampleId :

SA-PZ139I-20180911MS

Tot Ion: 50 Resp: 90918

Ion Ratio Lower Upper

50 100

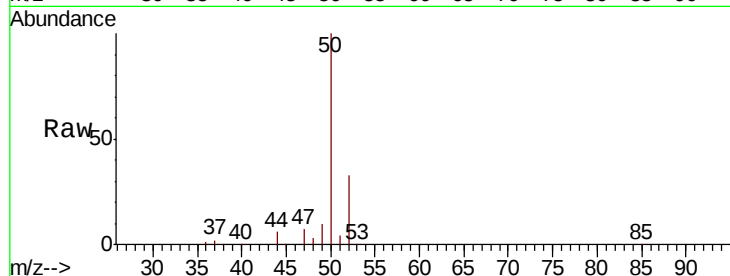
52 32.8 25.9 38.9

Manual Integrations

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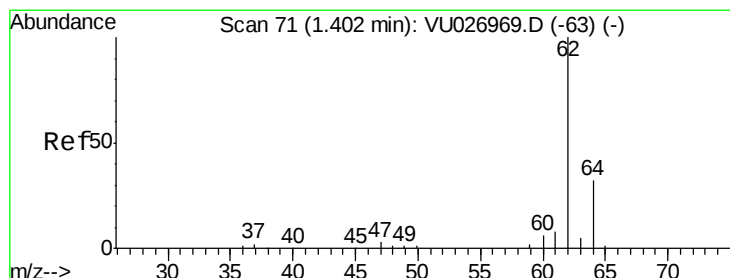
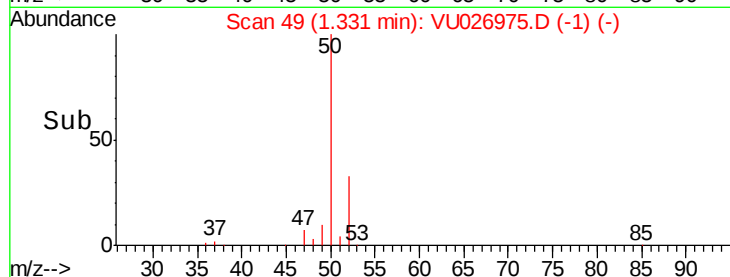
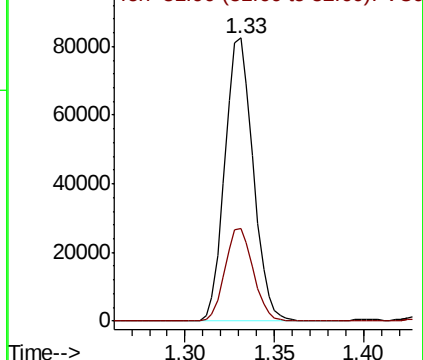
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 52.572 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU026975.D

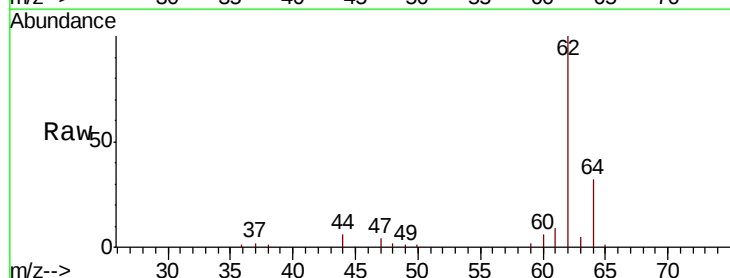
Acq: 21 Sep 2018 18:32

Tgt Ion: 62 Resp: 86089

Ion Ratio Lower Upper

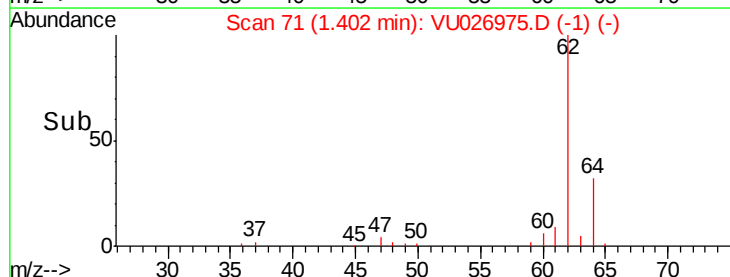
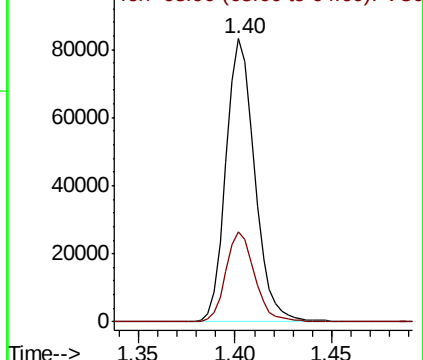
62 100

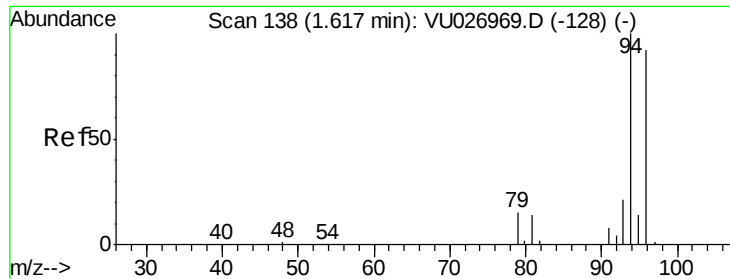
64 32.1 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 49.064 ug/l

RT: 1.61 min Scan# 137

Delta R.T. -0.00 min

Lab File: VU026975.D

Acq: 21 Sep 2018 18:32

Instrument :

MSVOA\_U

ClientSampleId :

SA-PZ139I-20180911MS

Tot Ion: 94 Resp: 45753

Ion Ratio Lower Upper

94 100

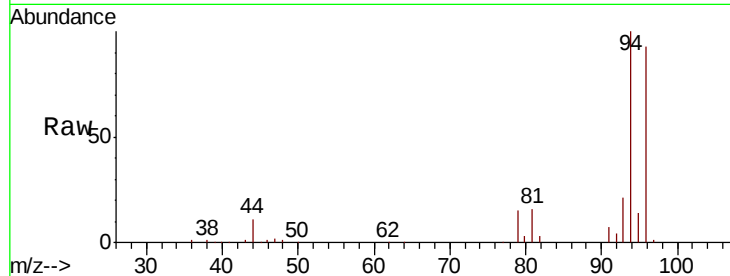
96 93.2 73.2 109.8

Manual Integrations

APPROVED

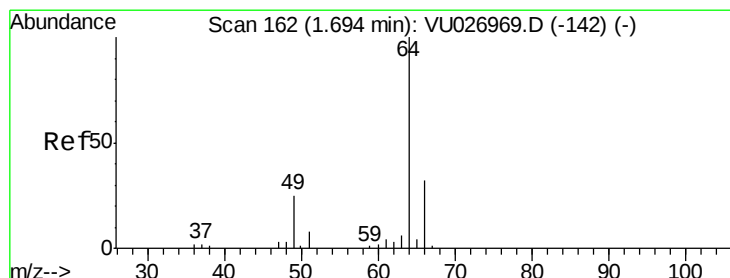
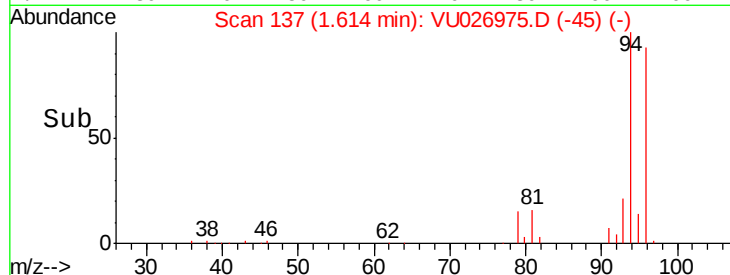
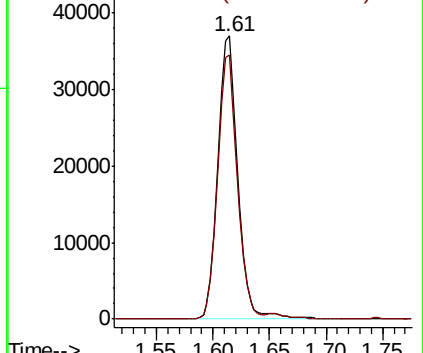
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 53.225 ug/l

RT: 1.69 min Scan# 161

Delta R.T. -0.00 min

Lab File: VU026975.D

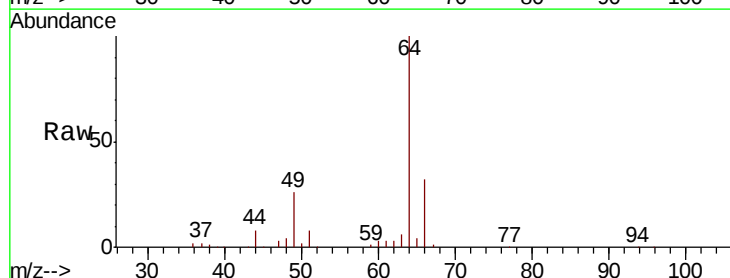
Acq: 21 Sep 2018 18:32

Tgt Ion: 64 Resp: 55689

Ion Ratio Lower Upper

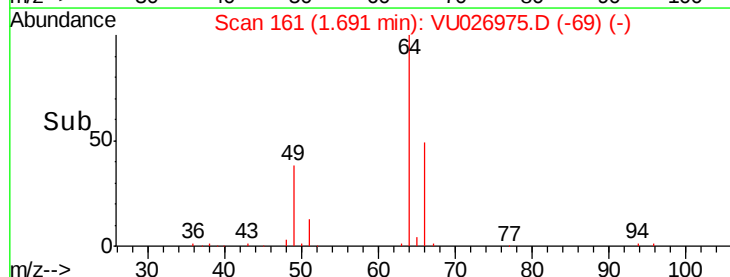
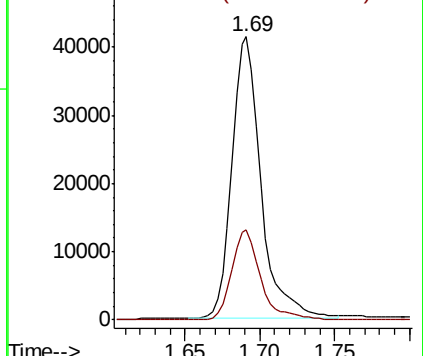
64 100

66 31.9 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

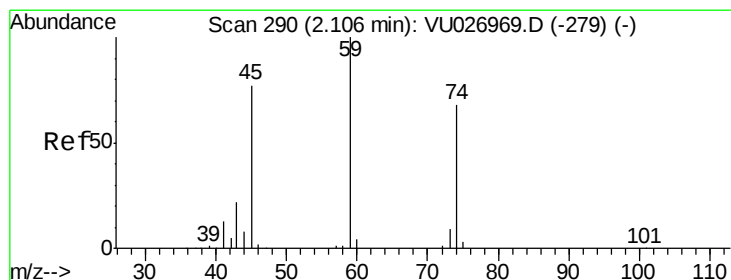
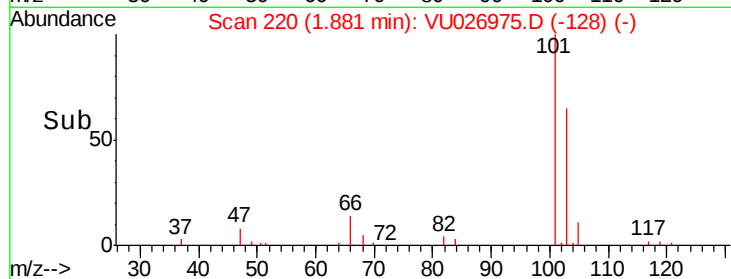
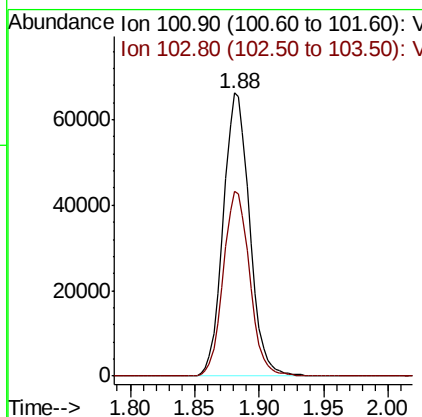
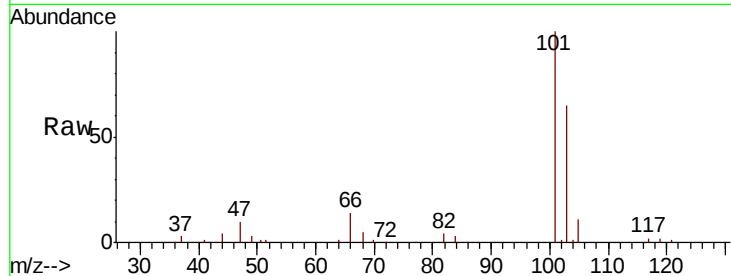
Trichlorofluoromethane  
 Concen: 50.646 ug/l  
 RT: 1.88 min Scan# 220  
 Delta R.T. -0.00 min  
 Lab File: VU026975.D  
 Acq: 21 Sep 2018 18:32

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 SA-PZ139I-20180911MS

Tot Ion:101 Resp: 94195  
 Ion Ratio Lower Upper  
 101 100  
 103 65.2 52.2 78.2

Manual Integrations  
 APPROVED

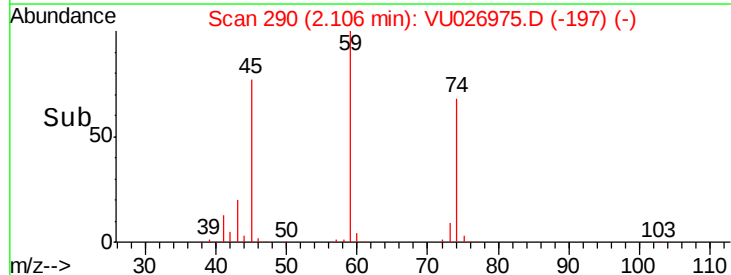
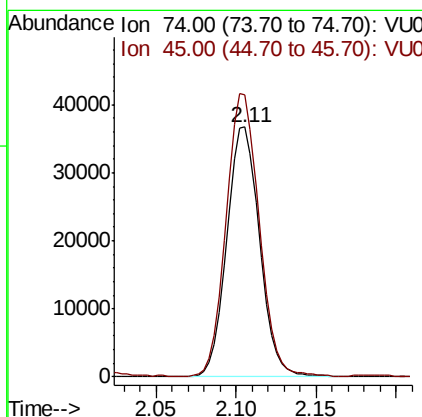
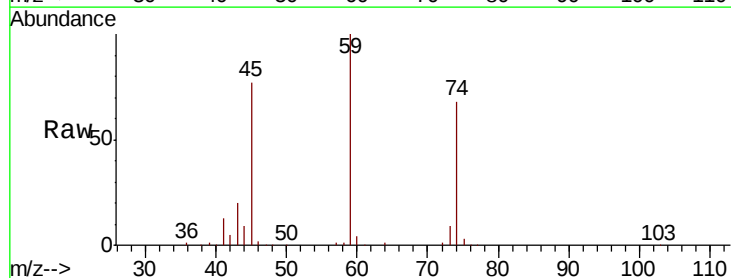
MMDadoda  
 9/24/2018 2:14:13 PM

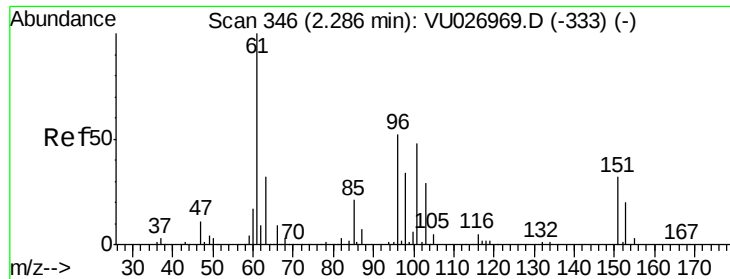


#8

Diethyl Ether  
 Concen: 57.413 ug/l  
 RT: 2.11 min Scan# 290  
 Delta R.T. 0.00 min  
 Lab File: VU026975.D  
 Acq: 21 Sep 2018 18:32

Tgt Ion: 74 Resp: 51397  
 Ion Ratio Lower Upper  
 74 100  
 45 113.3 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.577 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU026975.D

Acq: 21 Sep 2018 18:32

Instrument :

MSVOA\_U

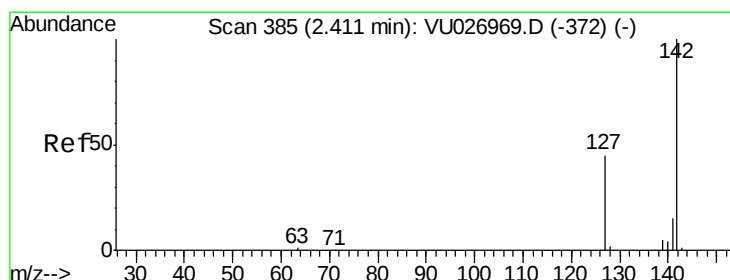
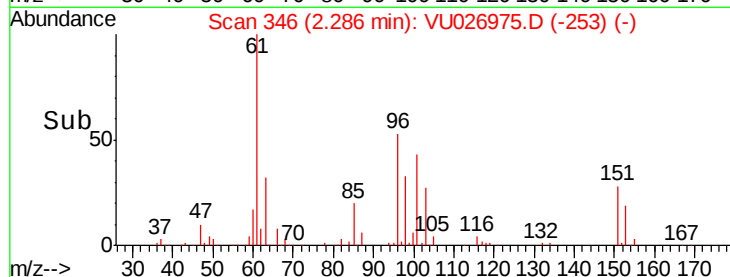
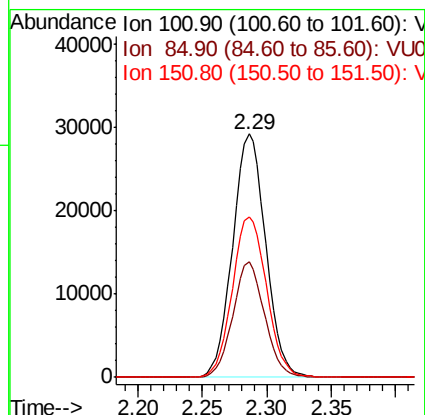
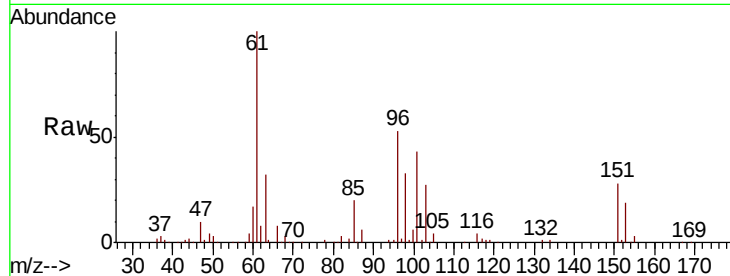
ClientSampleId :

SA-PZ139I-20180911MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 52120 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 45.6  | 36.2  | 54.2  |
| 151       | 68.1  | 54.5  | 81.7  |

Manual Integrations  
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MMDadoda  
9/24/2018 2:14:13 PM



#10

Methyl Iodide

Concen: 53.565 ug/l

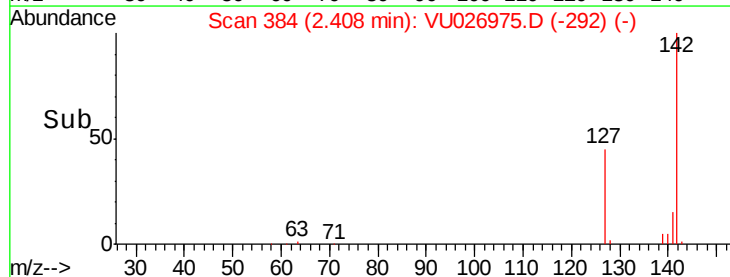
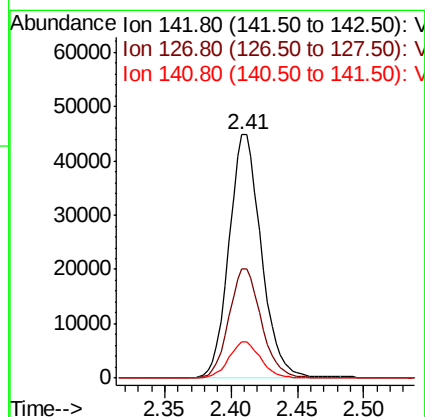
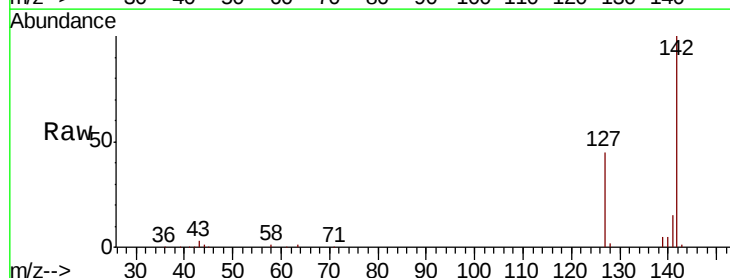
RT: 2.41 min Scan# 384

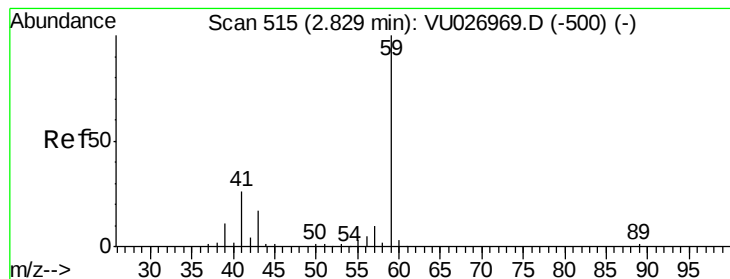
Delta R.T. -0.00 min

Lab File: VU026975.D

Acq: 21 Sep 2018 18:32

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 75971 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 44.9  | 36.7  | 55.1  |
| 141       | 14.6  | 11.8  | 17.6  |





#11

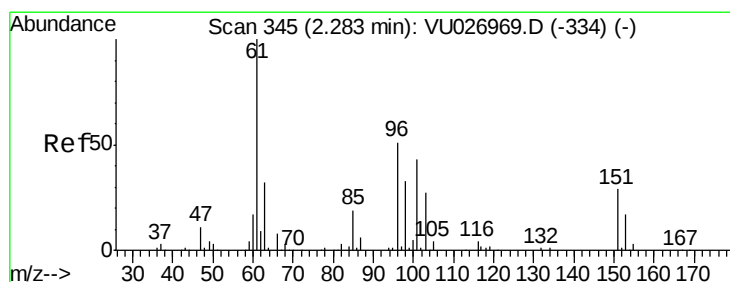
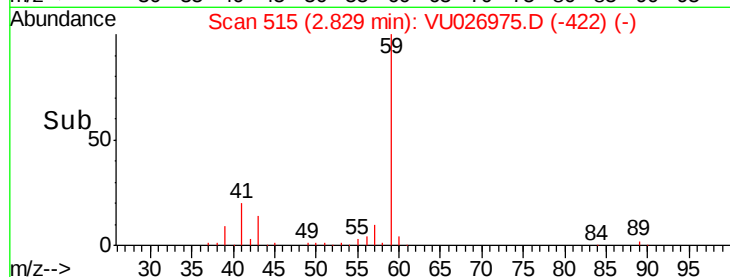
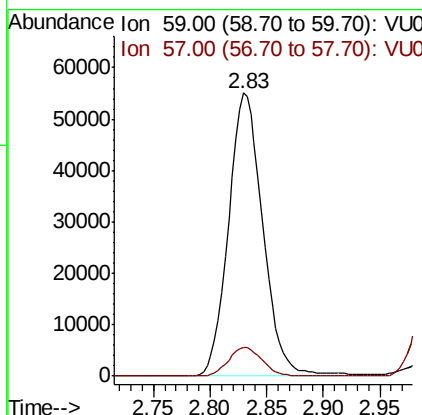
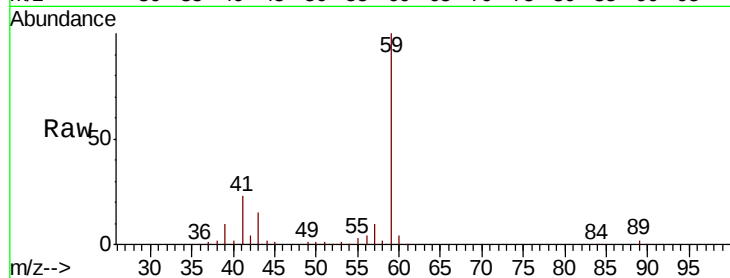
Tert butyl alcohol  
 Concen: 323.409 ug/l  
 RT: 2.83 min Scan# 515  
 Delta R.T. 0.00 min  
 Lab File: VU026975.D  
 Acq: 21 Sep 2018 18:32

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 SA-PZ139I-20180911MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.1  | 8.5   | 12.7  |

Manual Integrations  
 APPROVED

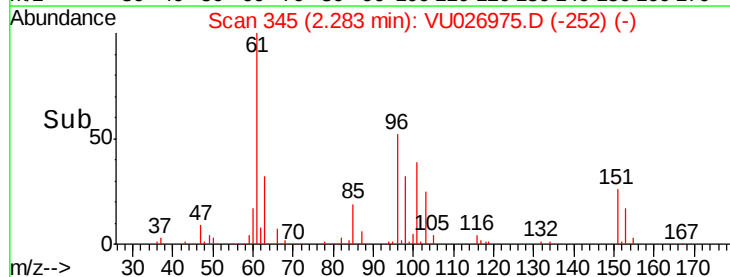
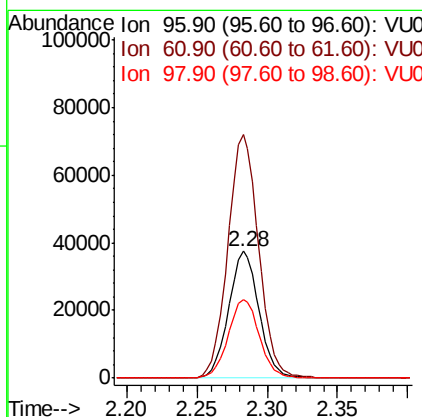
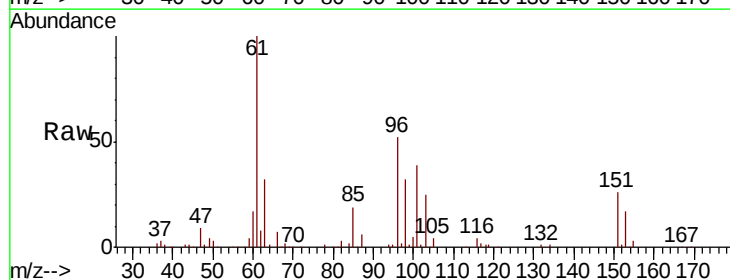
MMDadoda  
 9/24/2018 2:14:13 PM

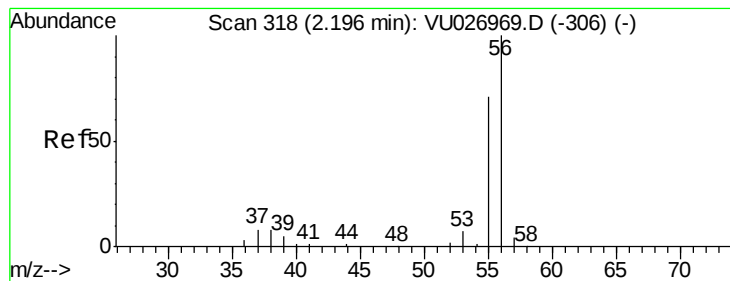


#12

1,1-Dichloroethene  
 Concen: 52.433 ug/l  
 RT: 2.28 min Scan# 345  
 Delta R.T. 0.00 min  
 Lab File: VU026975.D  
 Acq: 21 Sep 2018 18:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 192.2 | 156.1 | 234.1 |
| 98      | 62.3  | 51.4  | 77.0  |





#13

Acrolein

Concen: 241.303 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU026975.D

Acq: 21 Sep 2018 18:32

Instrument :

MSVOA\_U

ClientSampleId :

SA-PZ139I-20180911MS

Tot Ion: 56 Resp: 46765

Ion Ratio Lower Upper

56 100

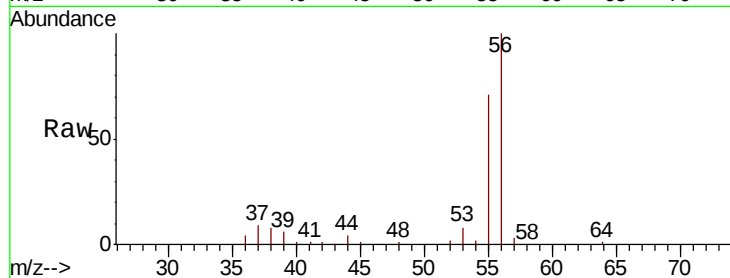
55 70.2 57.1 85.7

Manual Integrations

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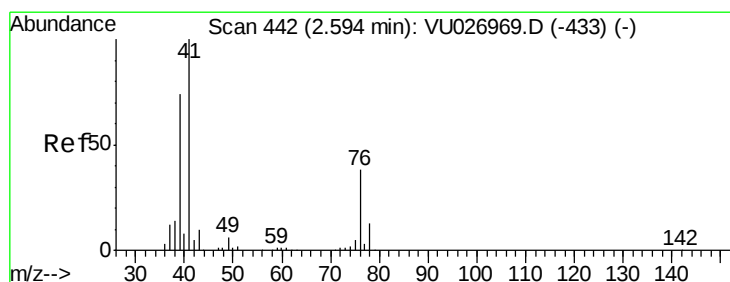
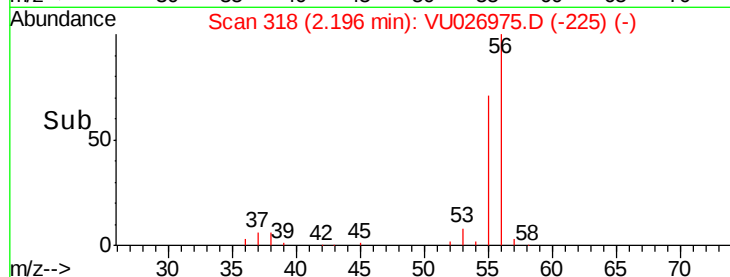
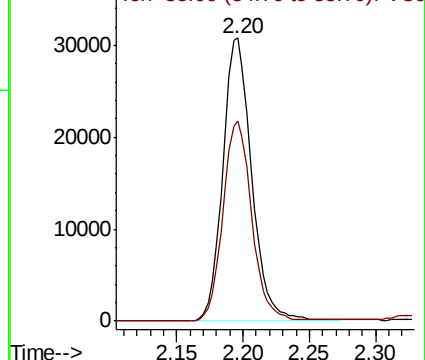
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 51.631 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU026975.D

Acq: 21 Sep 2018 18:32

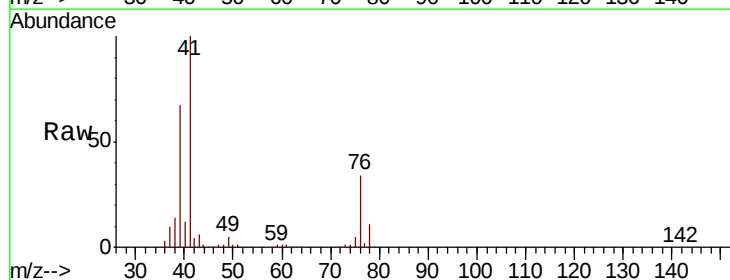
Tgt Ion: 41 Resp: 112716

Ion Ratio Lower Upper

41 100

39 70.7 55.7 83.5

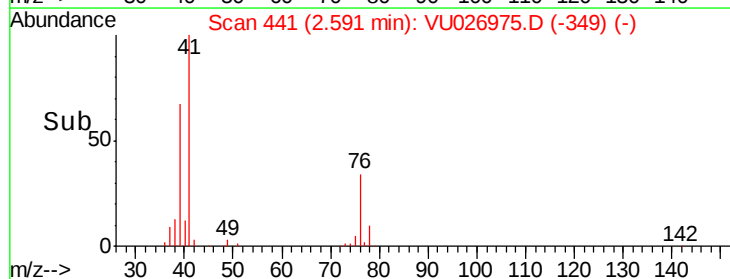
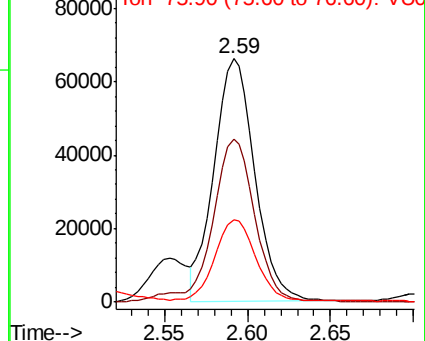
76 33.2 26.5 39.7

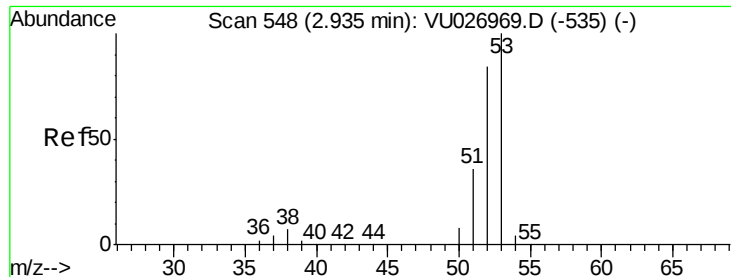


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 300.493 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU026975.D

Acq: 21 Sep 2018 18:32

Instrument :

MSVOA\_U

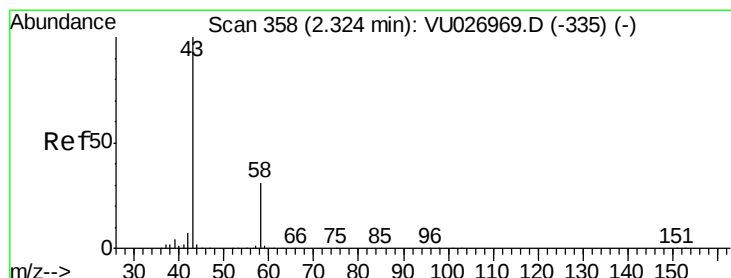
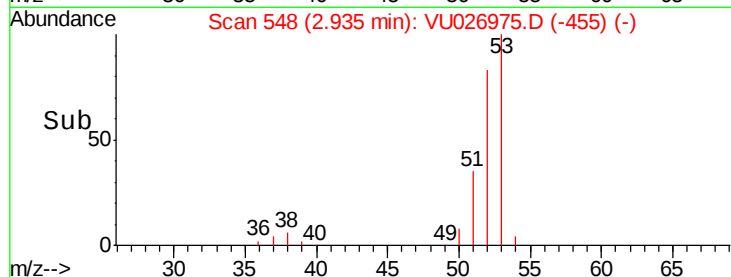
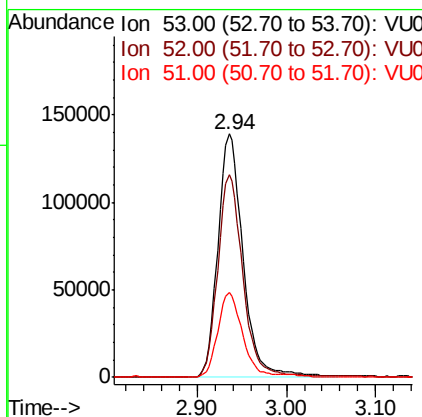
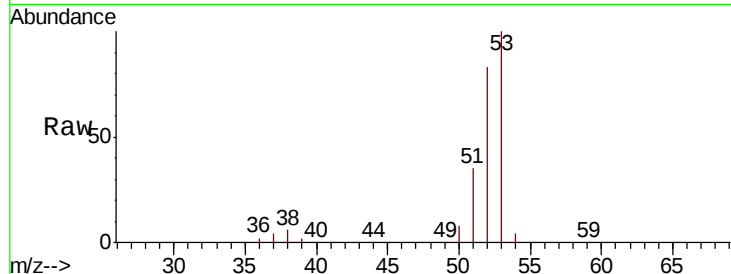
ClientSampleId :

SA-PZ139I-20180911MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 272281 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 83.3  | 65.7  | 98.5   |
| 51       | 35.4  | 27.4  | 41.2   |

Manual Integrations  
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9/24/2018 2:14:13 PM



#16

Acetone

Concen: 318.388 ug/l

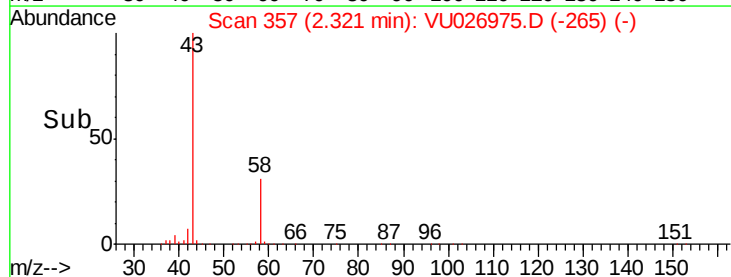
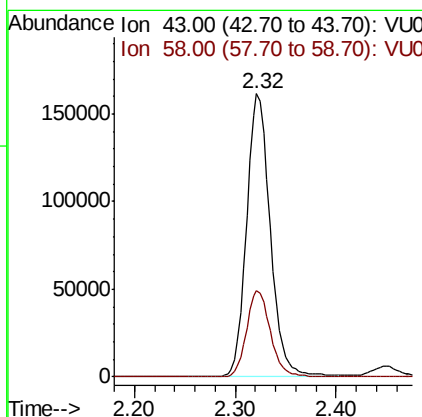
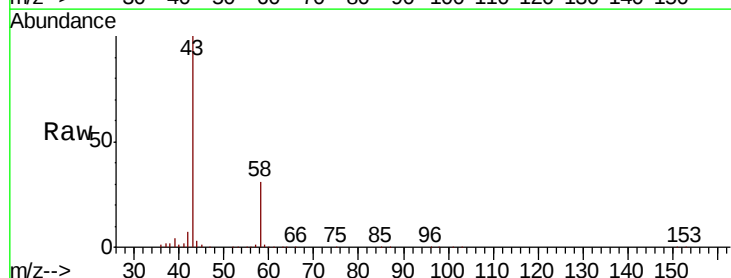
RT: 2.32 min Scan# 357

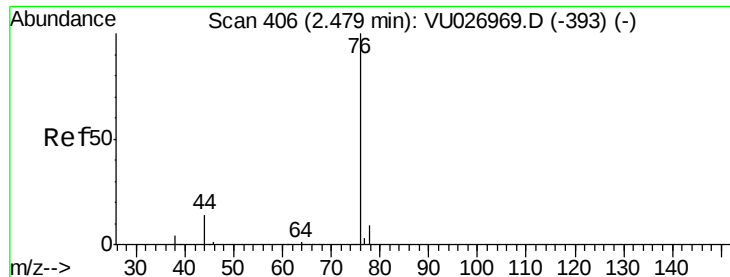
Delta R.T. -0.00 min

Lab File: VU026975.D

Acq: 21 Sep 2018 18:32

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 261493 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 30.7  | 24.6  | 36.8   |





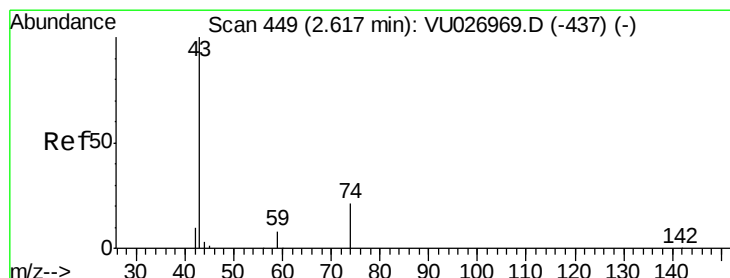
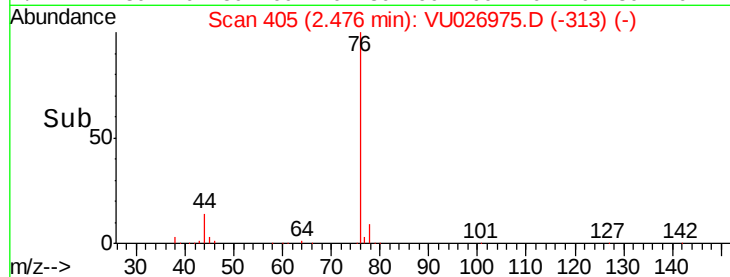
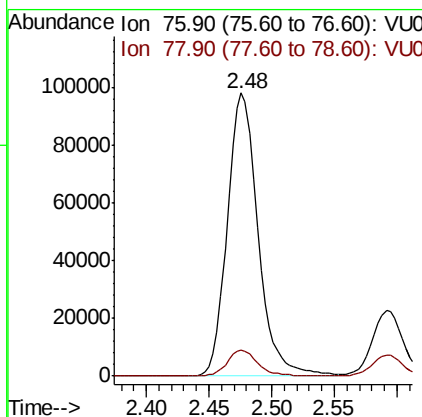
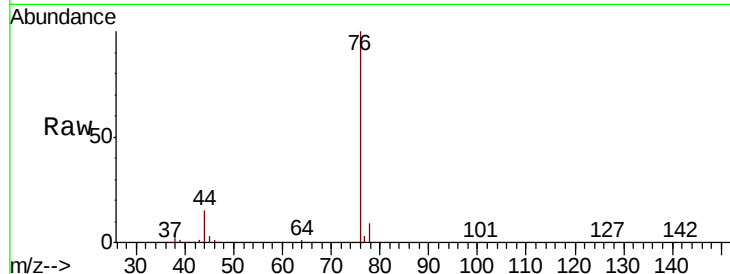
#17  
Carbon Disulfide  
Concen: 47.634 ug/l  
RT: 2.48 min Scan# 405  
Delta R.T. -0.00 min  
Lab File: VU026975.D  
Acq: 21 Sep 2018 18:32

Instrument :  
MSVOA\_U  
ClientSampleId :  
SA-PZ139I-20180911MS

Tot Ion: 76 Resp: 167023  
Ion Ratio Lower Upper  
76 100  
78 9.2 7.1 10.7

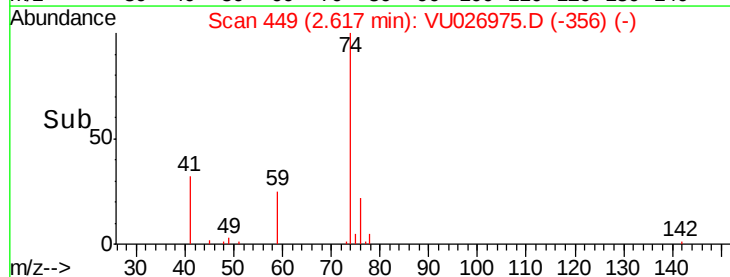
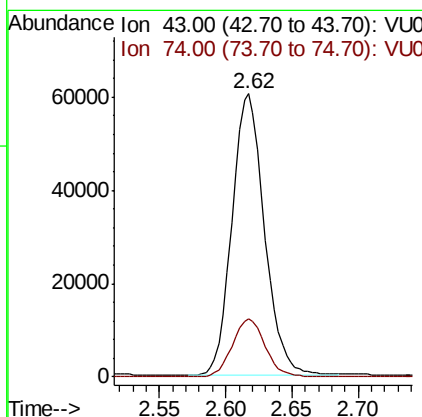
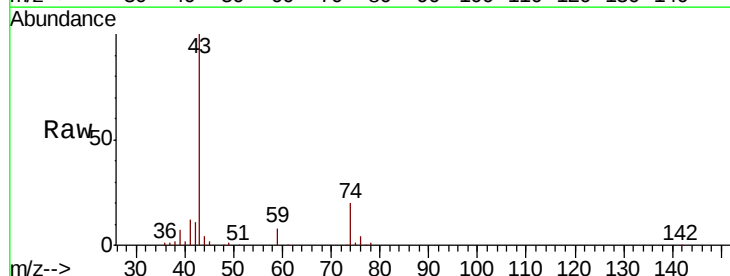
Manual Integrations  
APPROVED

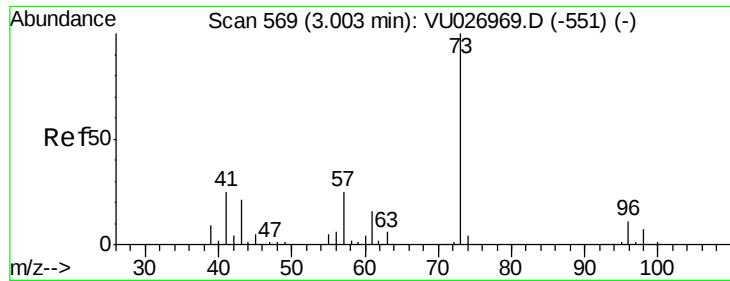
MMDadoda  
9/24/2018 2:14:13 PM



#18  
Methyl Acetate  
Concen: 45.785 ug/l  
RT: 2.62 min Scan# 449  
Delta R.T. 0.00 min  
Lab File: VU026975.D  
Acq: 21 Sep 2018 18:32

Tgt Ion: 43 Resp: 102216  
Ion Ratio Lower Upper  
43 100  
74 20.9 16.6 25.0





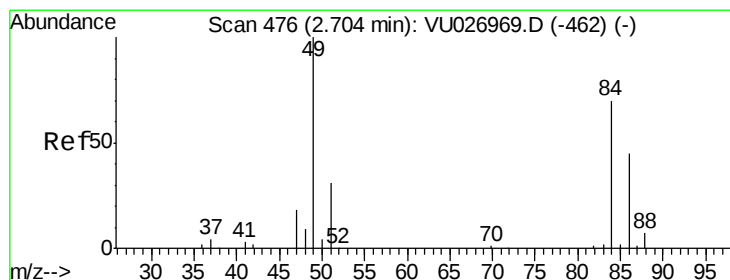
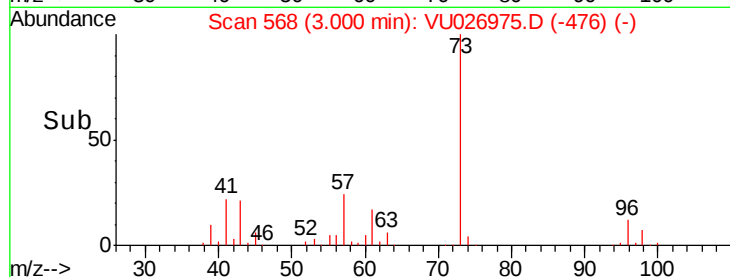
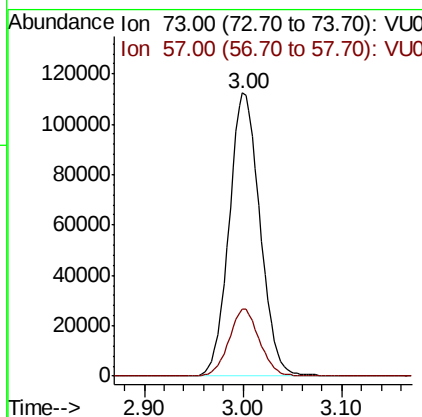
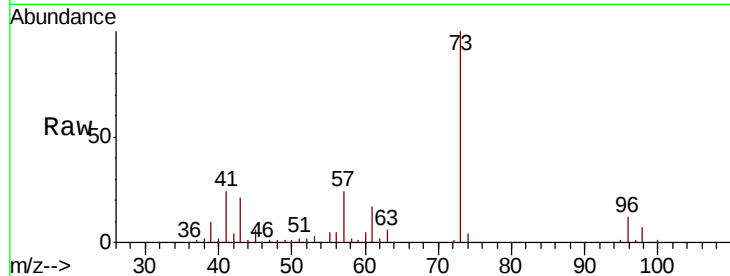
#19  
Methvl tert-butvl Ether  
Concen: 62.069 ug/l  
RT: 3.00 min Scan# 568  
Delta R.T. -0.00 min  
Lab File: VU026975.D  
Acq: 21 Sep 2018 18:32

Instrument :  
MSVOA\_U  
ClientSampleId :  
SA-PZ139I-20180911MS

Tot Ion: 73 Resp: 245504  
Ion Ratio Lower Upper  
73 100  
57 23.8 19.8 29.6

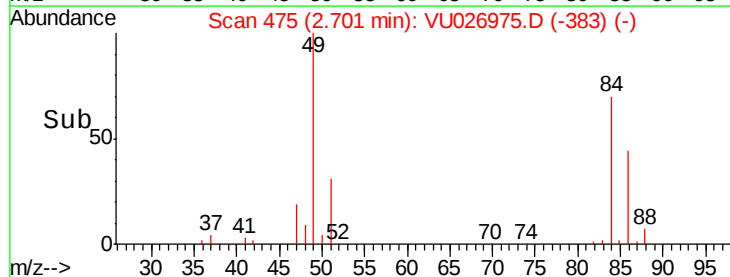
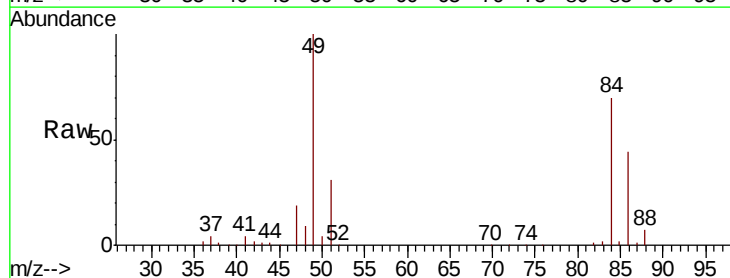
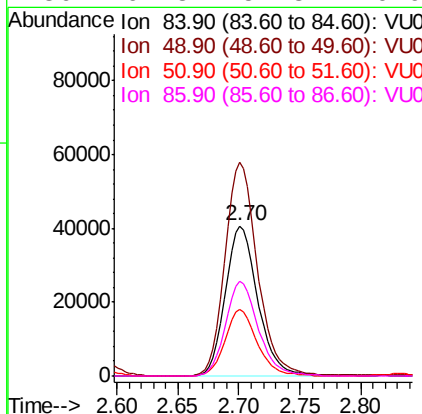
Manual Integrations  
APPROVED

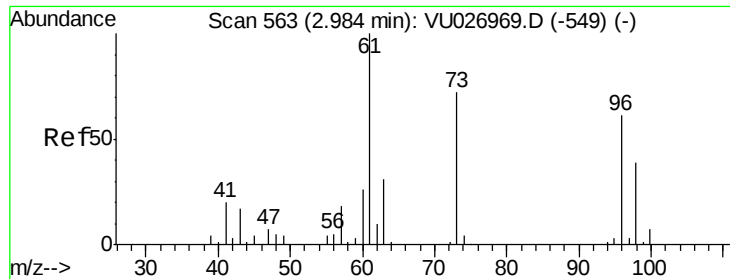
MMDadoda  
9/24/2018 2:14:13 PM



#20  
Methylene Chloride  
Concen: 54.061 ug/l  
RT: 2.70 min Scan# 475  
Delta R.T. -0.00 min  
Lab File: VU026975.D  
Acq: 21 Sep 2018 18:32

Tgt Ion: 84 Resp: 75940  
Ion Ratio Lower Upper  
84 100  
49 142.4 114.9 172.3  
51 44.5 35.8 53.8  
86 62.8 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 55.206 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU026975.D

Acq: 21 Sep 2018 18:32

Instrument :

MSVOA\_U

ClientSampleId :

SA-PZ139I-20180911MS

Tot Ion: 96 Resp: 63442

Ion Ratio Lower Upper

96 100

61 159.5 131.8 197.6

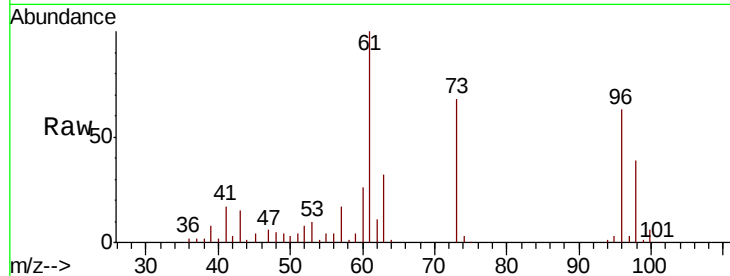
98 62.7 50.9 76.3

Manual Integrations

APPROVED

MMDadoda

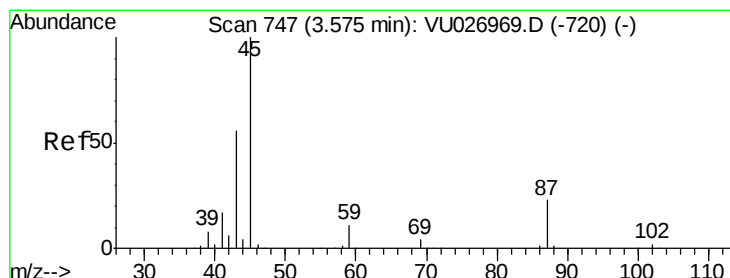
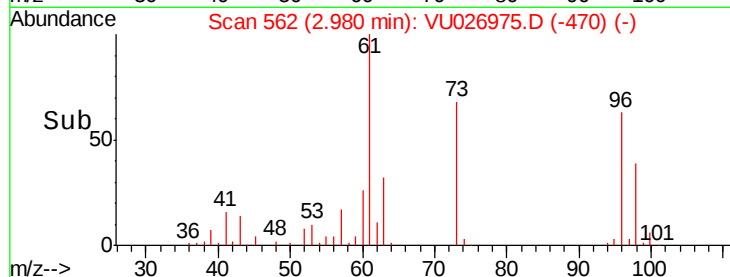
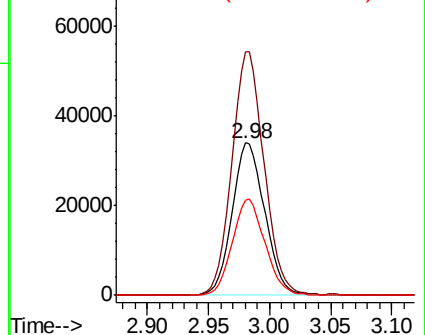
9/24/2018 2:14:13 PM



Abundance Ion 95.90 (95.60 to 96.60): VU026969.D (-549) (-)

Ion 60.90 (60.60 to 61.60): VU026969.D (-549) (-)

Ion 97.90 (97.60 to 98.60): VU026969.D (-549) (-)



#22

Diisopropyl ether

Concen: 61.629 ug/l

RT: 3.58 min Scan# 747

Delta R.T. 0.00 min

Lab File: VU026975.D

Acq: 21 Sep 2018 18:32

Tgt Ion: 45 Resp: 287774

Ion Ratio Lower Upper

45 100

43 51.3 45.8 68.6

87 23.2 18.6 28.0

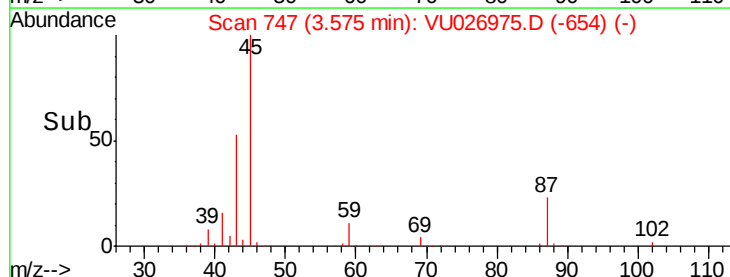
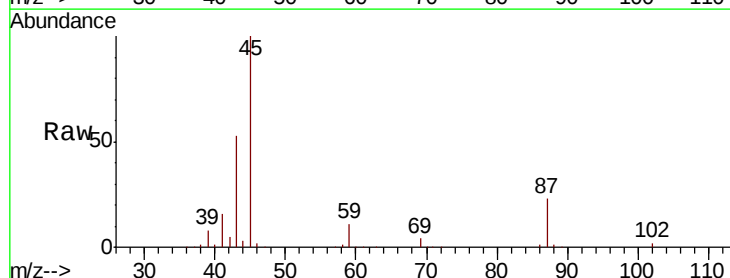
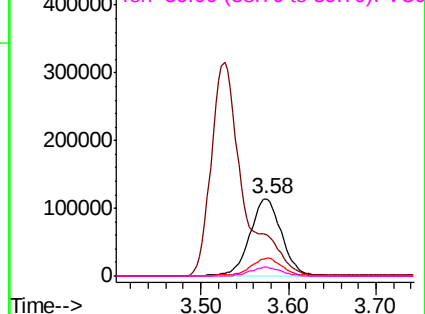
59 10.9 9.0 13.4

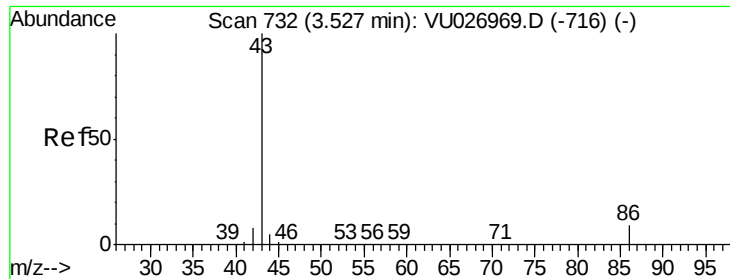
Abundance Ion 45.00 (44.70 to 45.70): VU026969.D (-720) (-)

Ion 43.00 (42.70 to 43.70): VU026969.D (-720) (-)

Ion 87.00 (86.70 to 87.70): VU026969.D (-720) (-)

Ion 59.00 (58.70 to 59.70): VU026969.D (-720) (-)





#23

Vinyl Acetate

Concen: 202.229 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU026975.D

Acq: 21 Sep 2018 18:32

Instrument :

MSVOA\_U

ClientSampleId :

SA-PZ139I-20180911MS

Tot Ion: 43 Resp: 804945

Ion Ratio Lower Upper

43 100

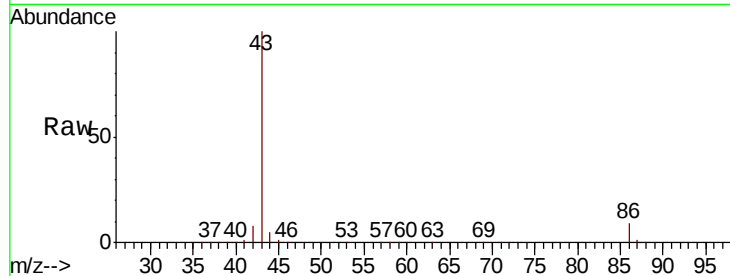
86 9.1 7.2 10.8

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Abundance Ion 43.00 (42.70 to 43.70): VU026975.D (-639) (-)

Ion 86.00 (85.70 to 86.70): VU026975.D (-639) (-)

3.53

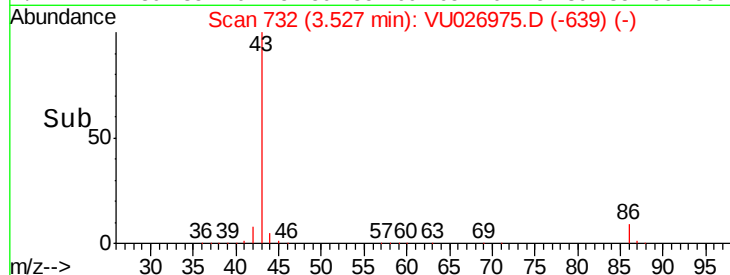
300000

200000

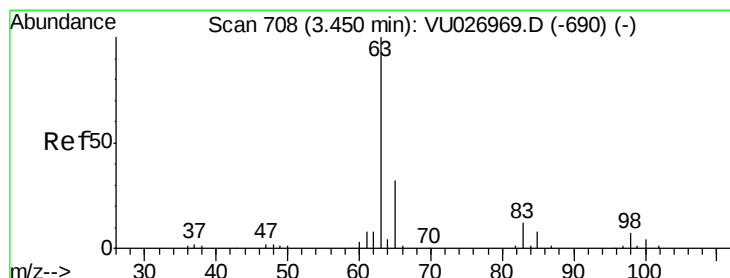
100000

0

Time-->



Time-->



#24

1,1-Dichloroethane

Concen: 57.810 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU026975.D

Acq: 21 Sep 2018 18:32

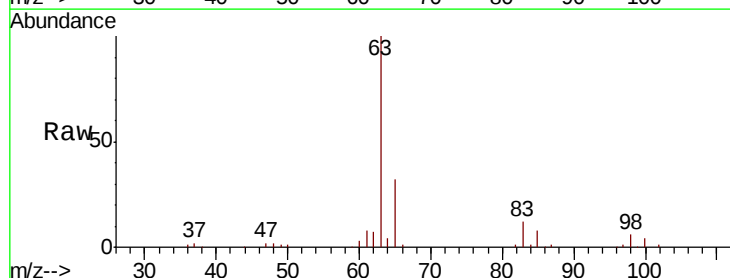
Tgt Ion: 63 Resp: 148675

Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.8

100 3.9 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VU026975.D (-615) (-)

Ion 97.90 (97.60 to 98.60): VU026975.D (-615) (-)

Ion 99.90 (99.60 to 100.60): VU026975.D (-615) (-)

3.45

80000

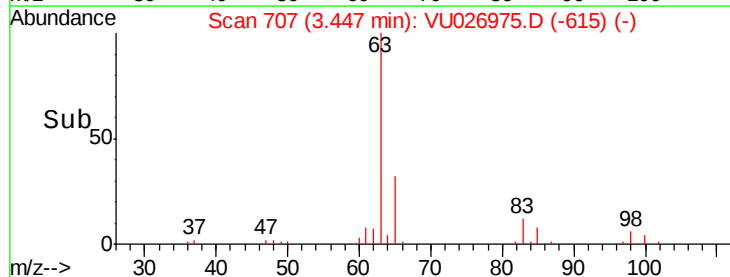
60000

40000

20000

0

Time-->





#25

2-Butanone

Concen: 295.809 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU026975.D

Acq: 21 Sep 2018 18:32

Instrument :

MSVOA\_U

ClientSampleId :

SA-PZ139I-20180911MS

Tot Ion: 43 Resp: 389923

Ion Ratio Lower Upper

43 100

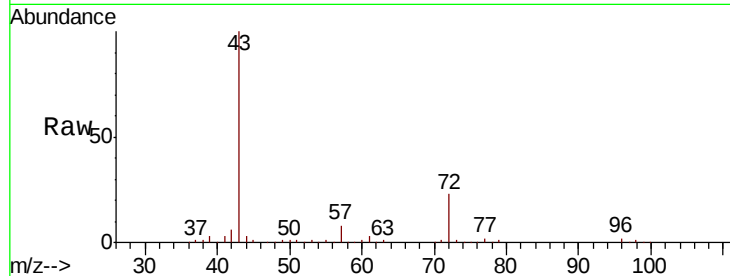
72 23.3 18.4 27.6

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

4.26

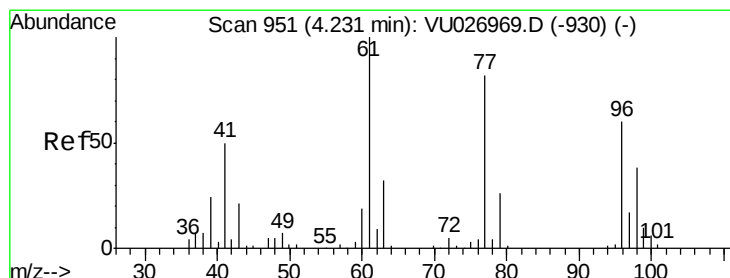
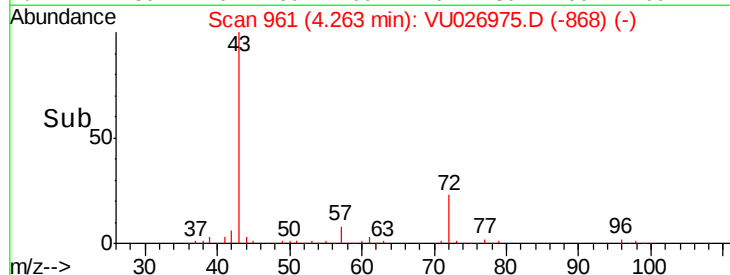
150000

100000

50000

0

Time--> 4.10 4.20 4.30



#26

2,2-Dichloropropane

Concen: 25.826 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU026975.D

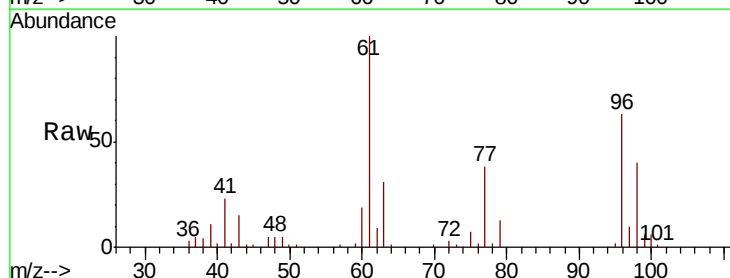
Acq: 21 Sep 2018 18:32

Tgt Ion: 77 Resp: 51798

Ion Ratio Lower Upper

77 100

97 23.8 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

4.23

20000

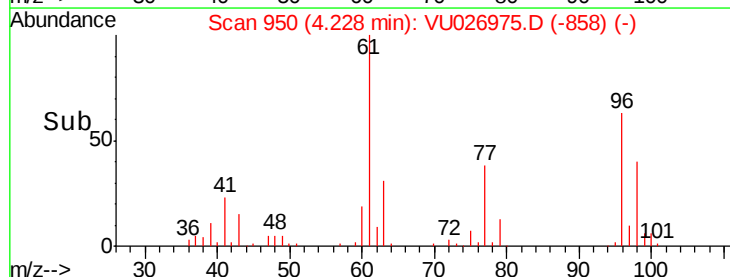
15000

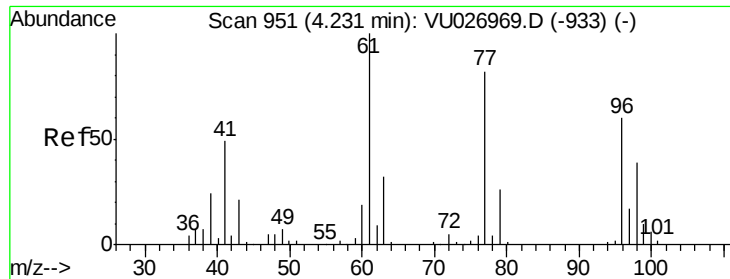
10000

5000

0

Time--> 4.10 4.20 4.30





#27

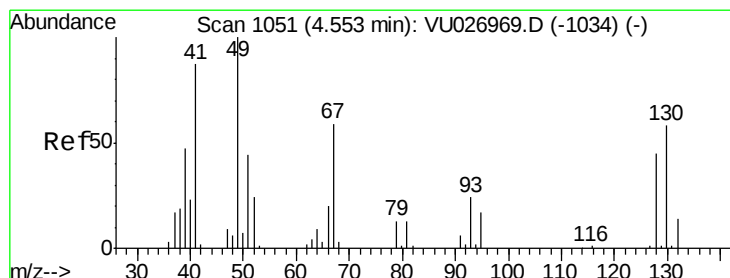
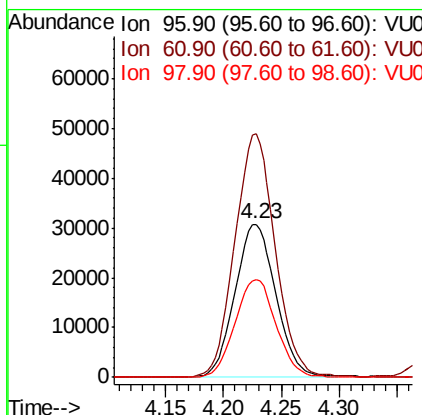
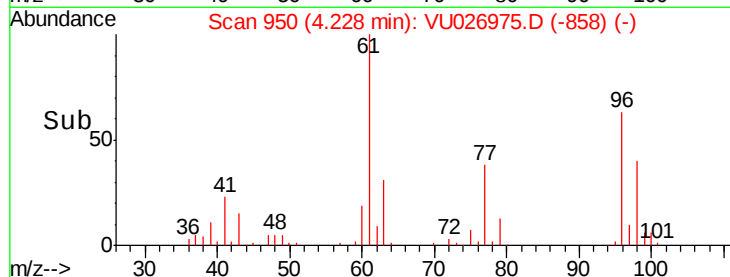
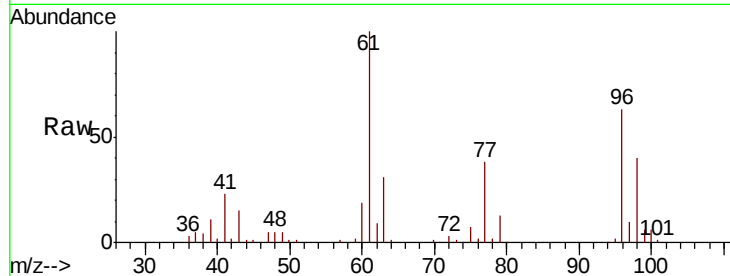
cis-1,2-Dichloroethene  
 Concen: 57.851 ug/l  
 RT: 4.23 min Scan# 950  
 Delta R.T. -0.00 min  
 Lab File: VU026975.D  
 Acq: 21 Sep 2018 18:32

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 SA-PZ139I-20180911MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 157.4 | 0.0   | 337.2 |
| 98      | 64.2  | 0.0   | 127.6 |

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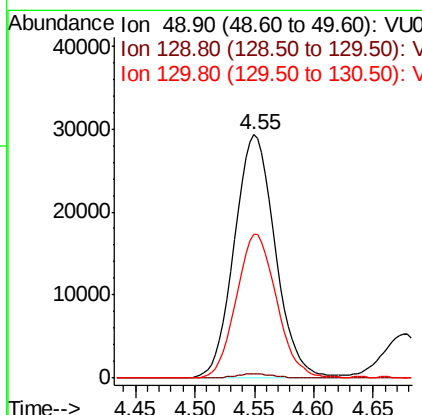
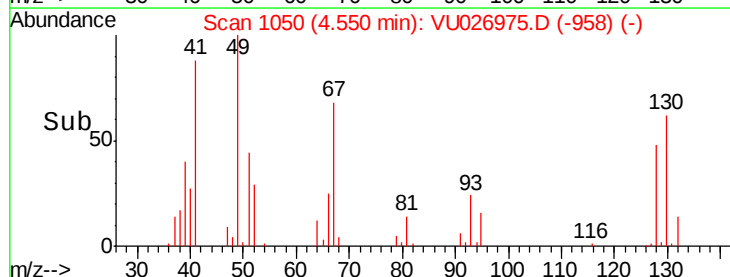
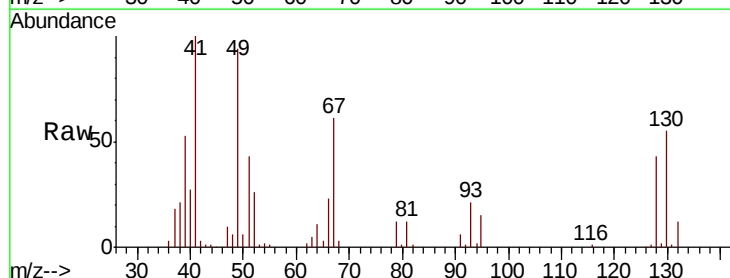
MMDadoda  
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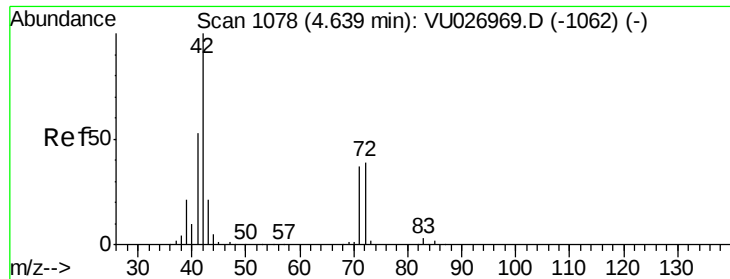


#28

Bromochloromethane  
 Concen: 56.295 ug/l  
 RT: 4.55 min Scan# 1050  
 Delta R.T. -0.00 min  
 Lab File: VU026975.D  
 Acq: 21 Sep 2018 18:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 1.5   | 0.0   | 3.0   |
| 130     | 58.2  | 47.8  | 71.8  |





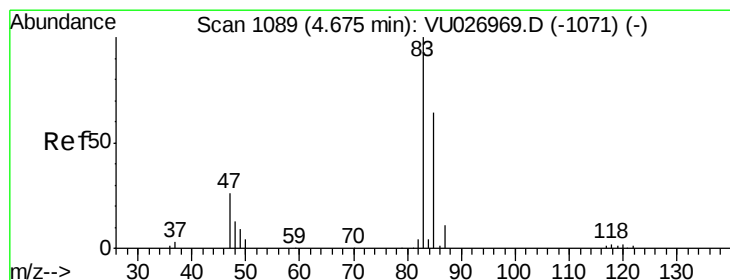
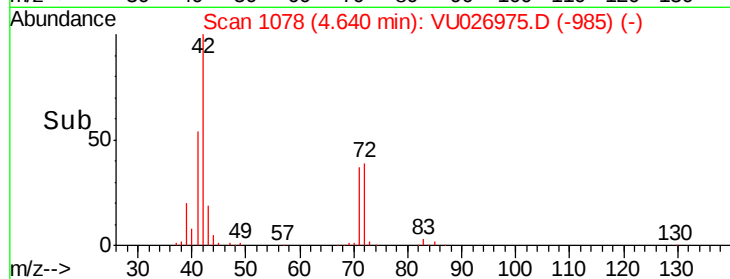
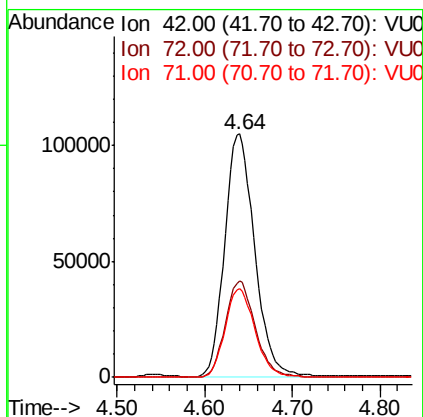
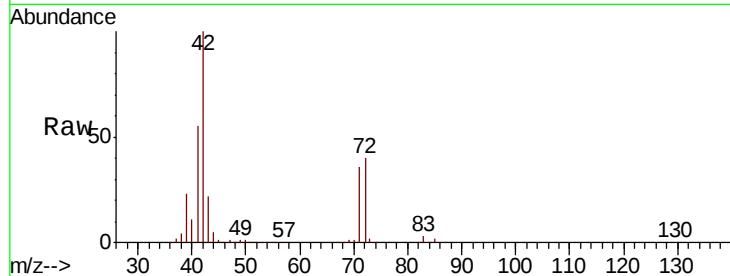
#29  
Tetrahydrofuran  
Concen: 313.027 ug/l  
RT: 4.64 min Scan# 1078  
Delta R.T. 0.00 min  
Lab File: VU026975.D  
Acq: 21 Sep 2018 18:32

Instrument :  
MSVOA\_U  
ClientSampleId :  
SA-PZ139I-20180911MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 39.9  | 31.7  | 47.5  |
| 71      | 36.7  | 29.6  | 44.4  |

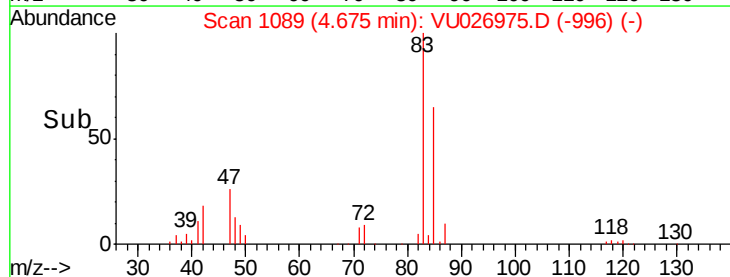
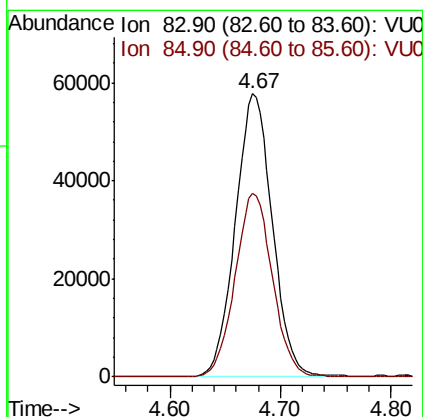
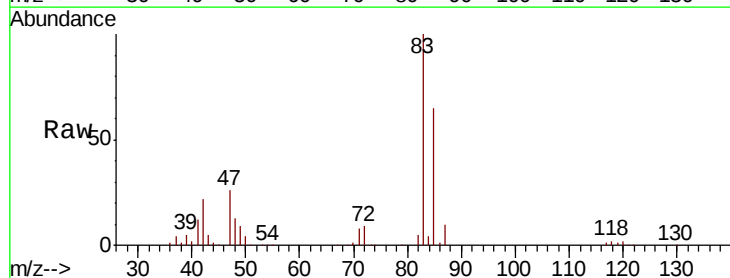
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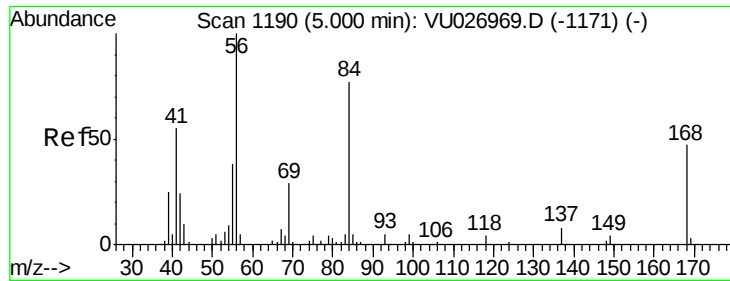
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#30  
Chloroform  
Concen: 56.158 ug/l  
RT: 4.67 min Scan# 1089  
Delta R.T. 0.00 min  
Lab File: VU026975.D  
Acq: 21 Sep 2018 18:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.8  | 51.5  | 77.3  |





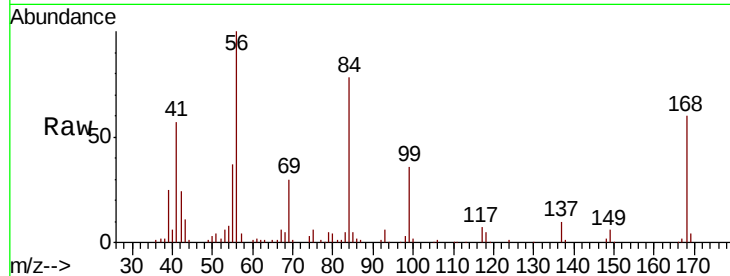
#31  
Cyclohexane  
Concen: 43.815 ug/l  
RT: 5.00 min Scan# 1189  
Delta R.T. -0.00 min  
Lab File: VU026975.D  
Acq: 21 Sep 2018 18:32

Instrument :  
MSVOA\_U  
ClientSampleId :  
SA-PZ139I-20180911MS

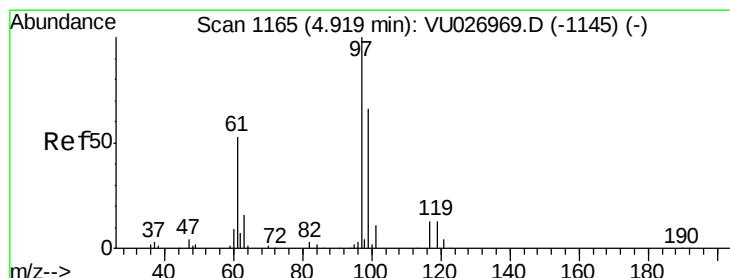
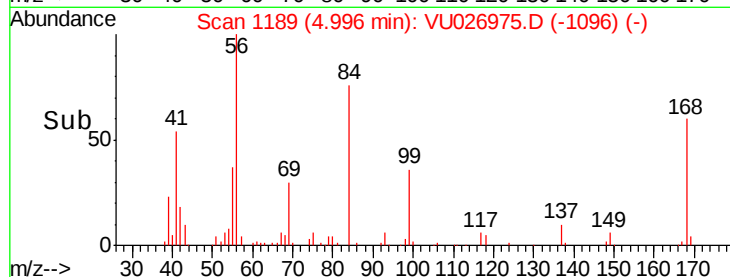
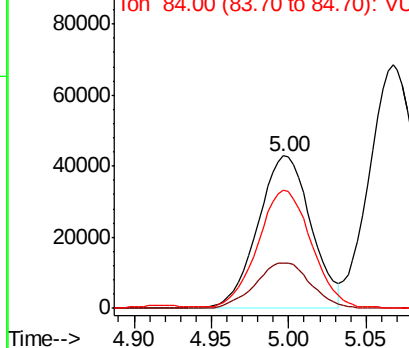
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 30.0  | 23.0  | 34.4  |
| 84      | 77.0  | 61.4  | 92.2  |

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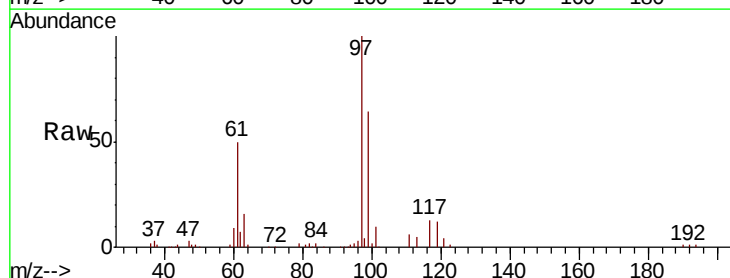


Abundance Ion 56.00 (55.70 to 56.70): VU0  
Ion 69.00 (68.70 to 69.70): VU0  
Ion 84.00 (83.70 to 84.70): VU0

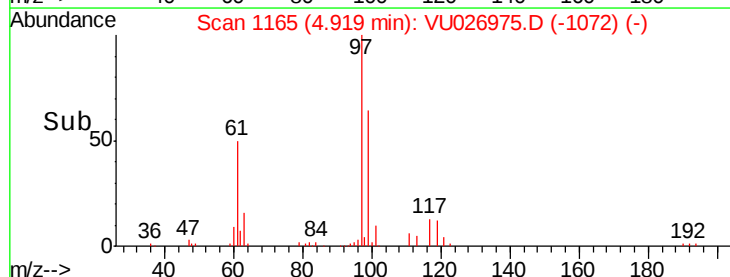
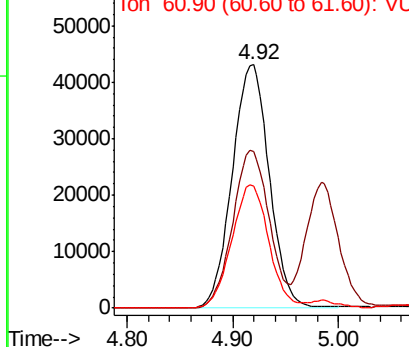


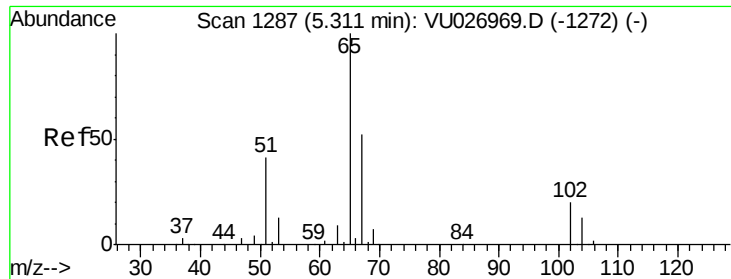
#32  
1,1,1-Trichloroethane  
Concen: 55.303 ug/l  
RT: 4.92 min Scan# 1165  
Delta R.T. 0.00 min  
Lab File: VU026975.D  
Acq: 21 Sep 2018 18:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.3  | 51.8  | 77.6  |
| 61      | 50.8  | 41.1  | 61.7  |



Abundance Ion 96.90 (96.60 to 97.60): VU0  
Ion 98.90 (98.60 to 99.60): VU0  
Ion 60.90 (60.60 to 61.60): VU0





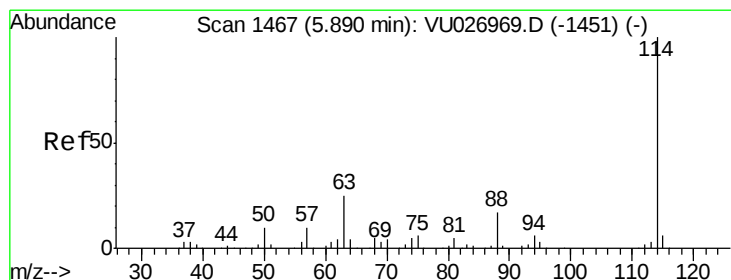
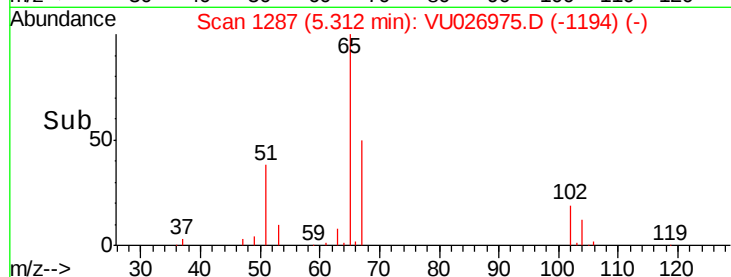
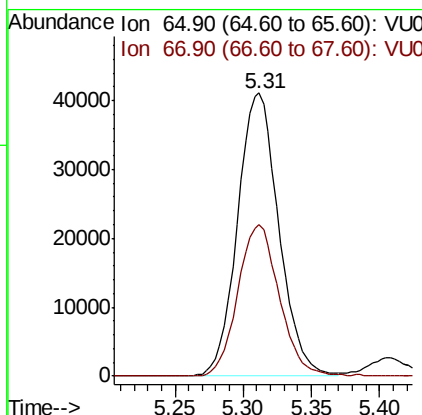
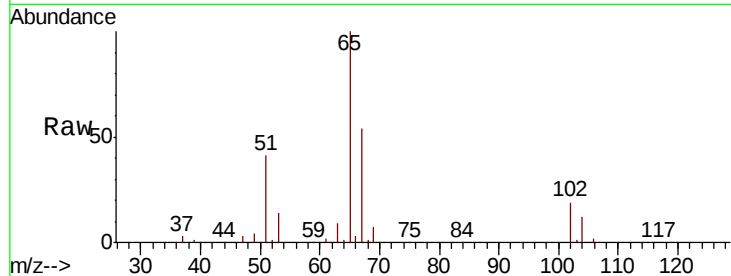
#33  
 1,2-Dichloroethane-d4  
 Concen: 54.969 ug/l  
 RT: 5.31 min Scan# 1287  
 Delta R.T. 0.00 min  
 Lab File: VU026975.D  
 Acq: 21 Sep 2018 18:32

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 SA-PZ139I-20180911MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 53.7  | 0.0   | 105.6 |

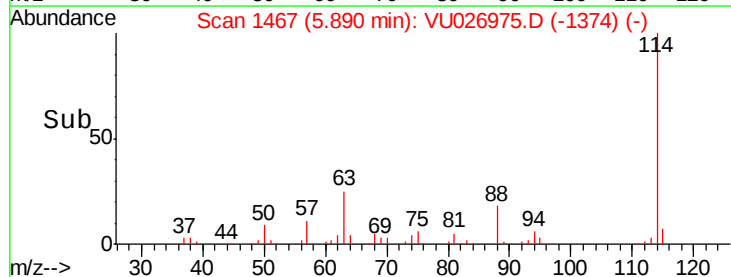
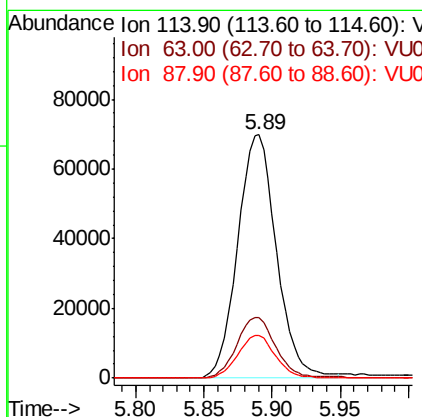
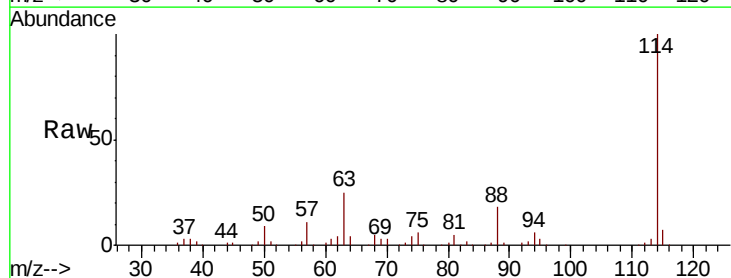
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.89 min Scan# 1467  
 Delta R.T. 0.00 min  
 Lab File: VU026975.D  
 Acq: 21 Sep 2018 18:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 24.7  | 0.0   | 49.2  |
| 88      | 17.6  | 0.0   | 33.8  |





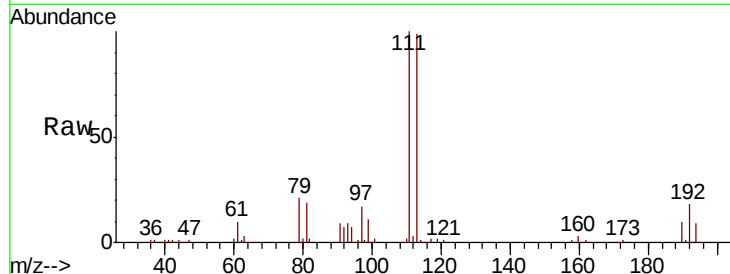
#35  
 Dibromofluoromethane  
 Concen: 53.204 ug/l  
 RT: 4.88 min Scan# 1154  
 Delta R.T. 0.00 min  
 Lab File: VU026975.D  
 Acq: 21 Sep 2018 18:32

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 SA-PZ139I-20180911MS

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 113     | 100   | 63543 |       |       |
| 111     | 101.7 | 82.2  | 123.4 |       |
| 192     | 19.5  | 15.2  | 22.8  |       |

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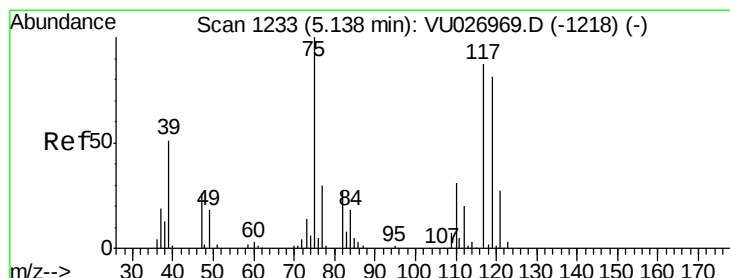
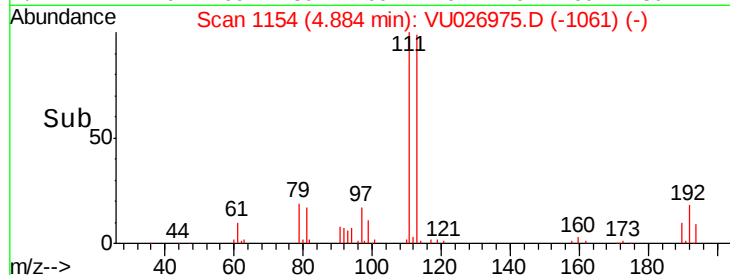
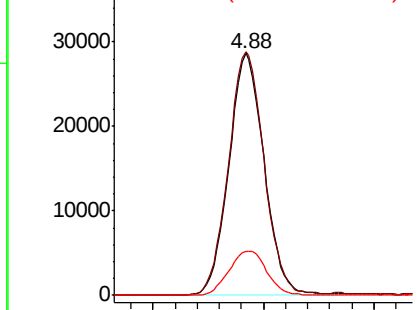


Abundance

Ion 112.80 (112.50 to 113.50): V

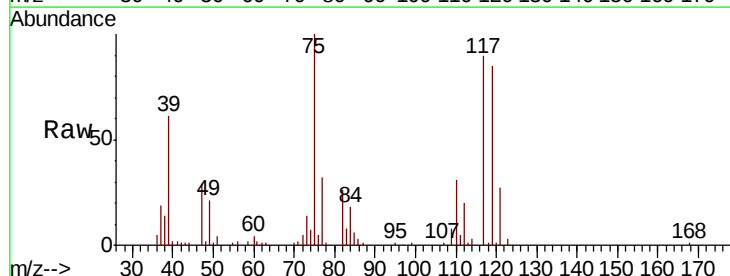
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36  
 1,1-Dichloropropene  
 Concen: 48.729 ug/l  
 RT: 5.14 min Scan# 1233  
 Delta R.T. 0.00 min  
 Lab File: VU026975.D  
 Acq: 21 Sep 2018 18:32

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 89608 |       |       |
| 110     | 31.3  | 16.1  | 48.2  |       |
| 77      | 31.9  | 24.6  | 36.8  |       |

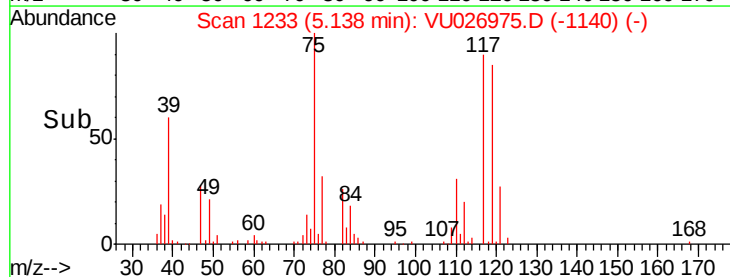
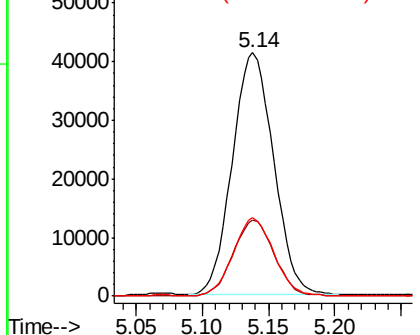


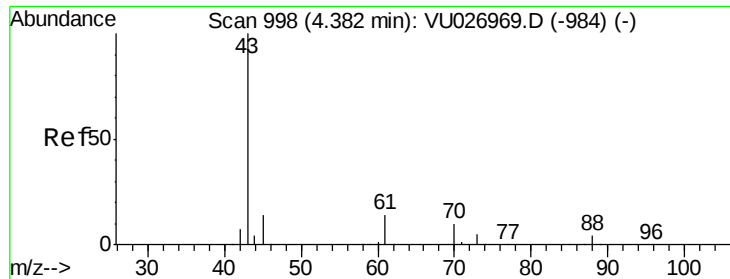
Abundance

Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#37

Ethyl Acetate

Concen: 39.845 ug/l

RT: 4.38 min Scan# 998

Delta R.T. 0.00 min

Lab File: VU026975.D

Acq: 21 Sep 2018 18:32

Instrument :

MSVOA\_U

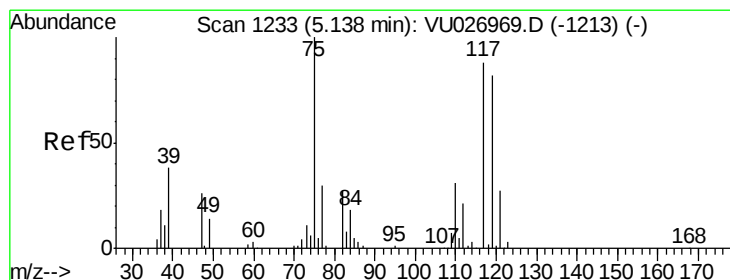
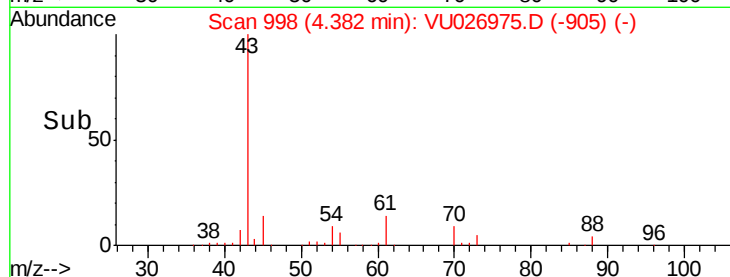
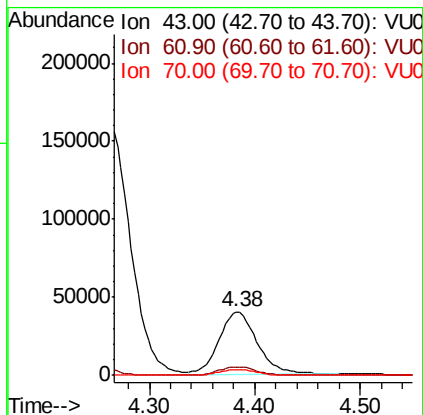
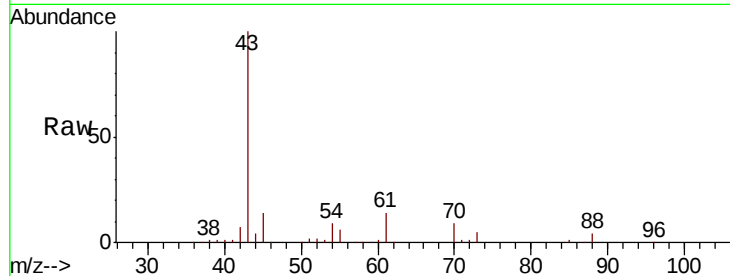
ClientSampleId :

SA-PZ139I-20180911MS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 99190 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 14.6  | 10.5  | 15.7  |
| 70       | 9.1   | 7.4   | 11.0  |

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#38

Carbon Tetrachloride

Concen: 49.185 ug/l

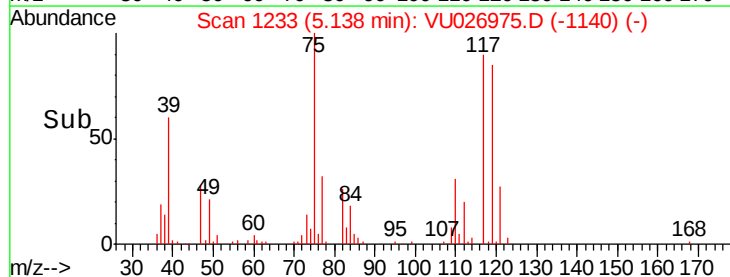
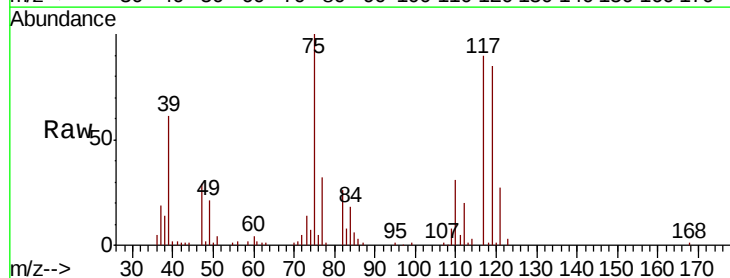
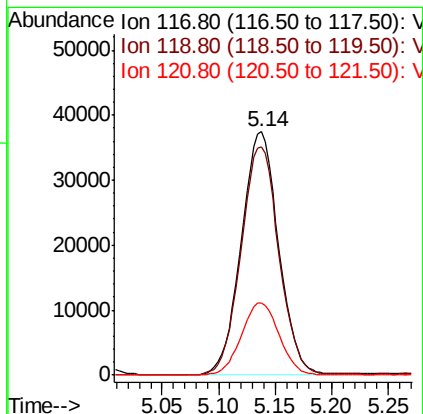
RT: 5.14 min Scan# 1233

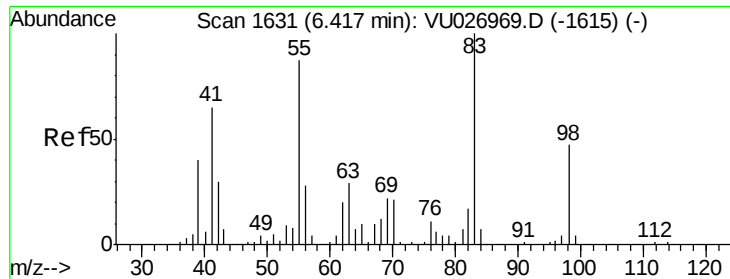
Delta R.T. 0.00 min

Lab File: VU026975.D

Acq: 21 Sep 2018 18:32

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 86072 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 94.0  | 74.4  | 111.6 |
| 121      | 29.5  | 24.2  | 36.4  |





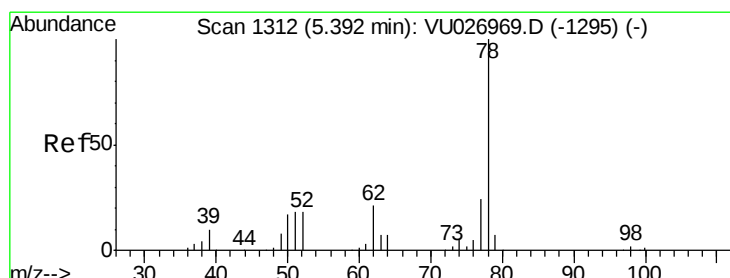
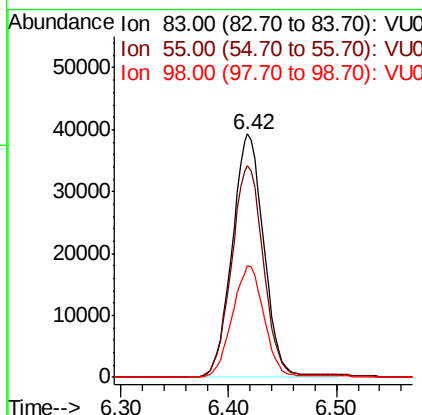
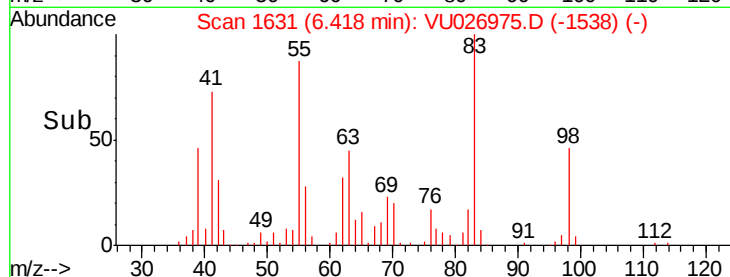
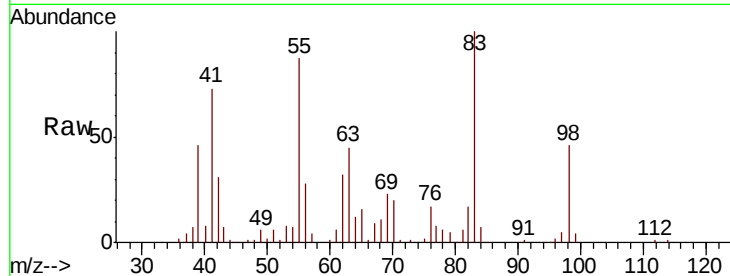
#39  
Methvlcvclohexane  
Concen: 40.407 ug/l  
RT: 6.42 min Scan# 1631  
Delta R.T. 0.00 min  
Lab File: VU026975.D  
Acq: 21 Sep 2018 18:32

Instrument :  
MSVOA\_U  
ClientSampleId :  
SA-PZ139I-20180911MS

| Tot Ion | 83.00 | Resp  | 80748 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 83      | 100   |       |       |
| 55      | 87.0  | 69.9  | 104.9 |
| 98      | 45.7  | 37.5  | 56.3  |

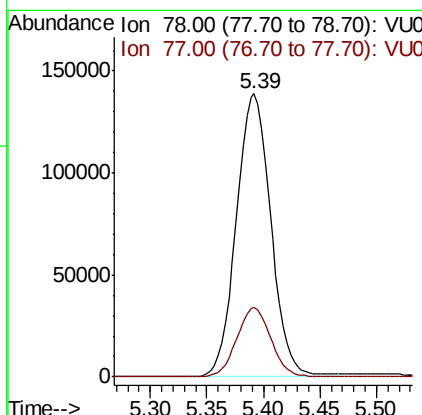
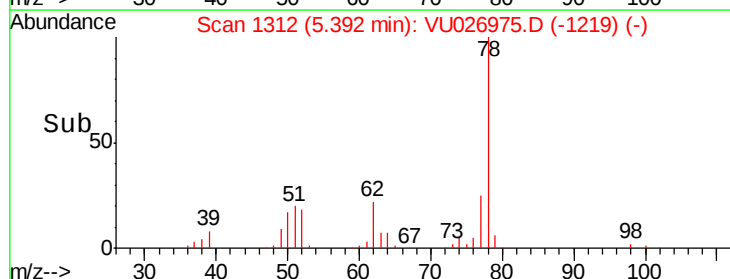
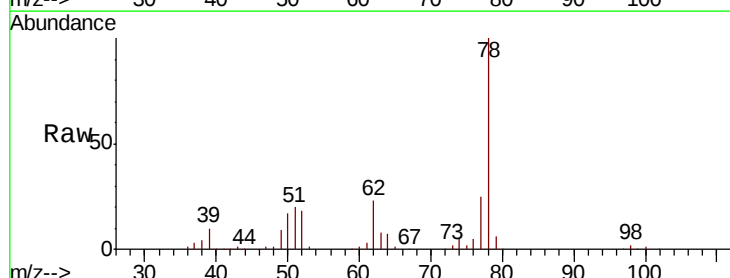
Manual Integrations  
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#40  
Benzene  
Concen: 52.917 ug/l  
RT: 5.39 min Scan# 1312  
Delta R.T. 0.00 min  
Lab File: VU026975.D  
Acq: 21 Sep 2018 18:32

| Tgt Ion | 78    | Resp  | 295819 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 78      | 100   |       |        |
| 77      | 24.7  | 19.4  | 29.0   |





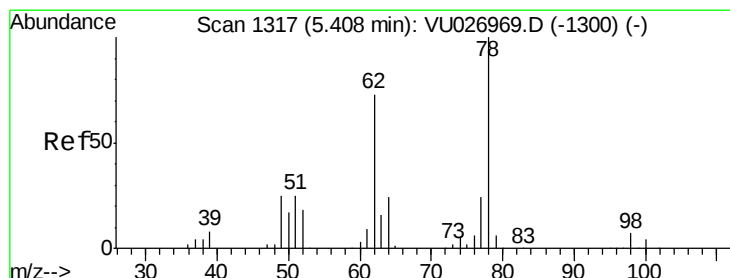
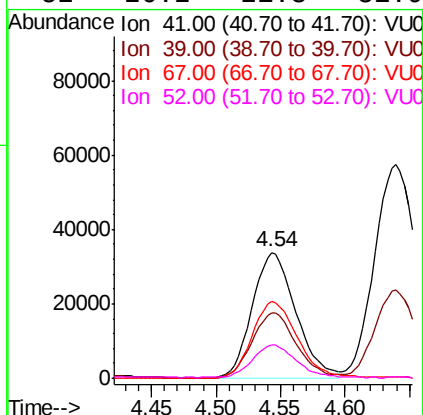
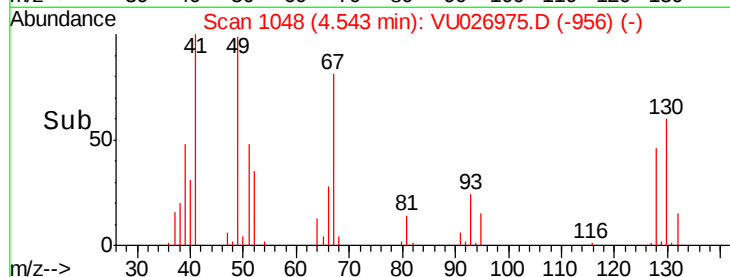
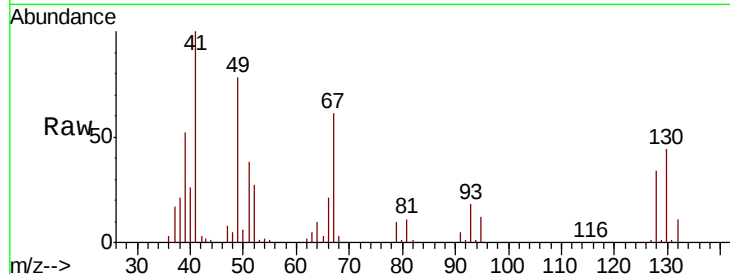
#41  
Methacrylonitrile  
Concen: 61.587 ug/l  
RT: 4.54 min Scan# 1048  
Delta R.T. -0.00 min  
Lab File: VU026975.D  
Acq: 21 Sep 2018 18:32

Instrument :  
MSVOA\_U  
ClientSampleId :  
SA-PZ139I-20180911MS

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 52.8 | 42.9  | 64.3  |       |
| 67      | 63.4 | 52.4  | 78.6  |       |
| 52      | 26.2 | 21.3  | 31.9  |       |

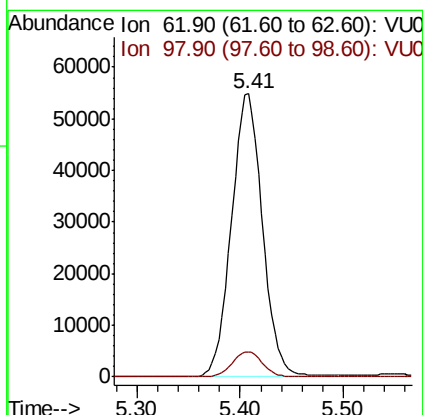
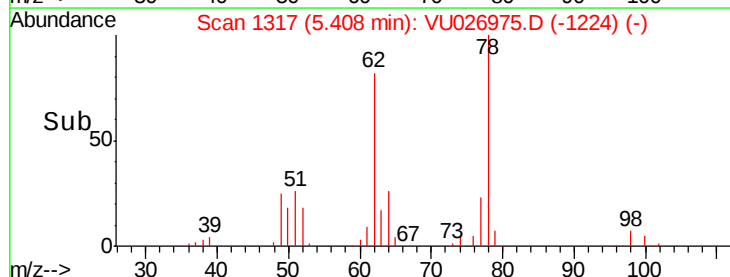
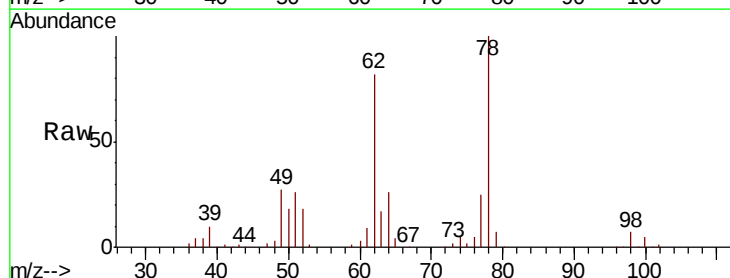
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#42  
1,2-Dichloroethane  
Concen: 54.508 ug/l  
RT: 5.41 min Scan# 1317  
Delta R.T. 0.00 min  
Lab File: VU026975.D  
Acq: 21 Sep 2018 18:32

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 62      | 100 |       |       |       |
| 98      | 8.7 | 0.0   | 17.0  |       |





#43

Isopropyl Acetate

Concen: 47.840 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU026975.D

Acq: 21 Sep 2018 18:32

Instrument :

MSVOA\_U

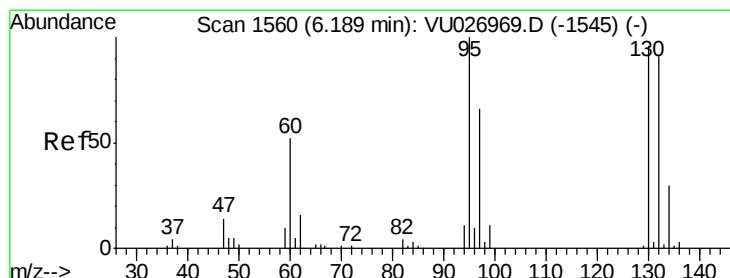
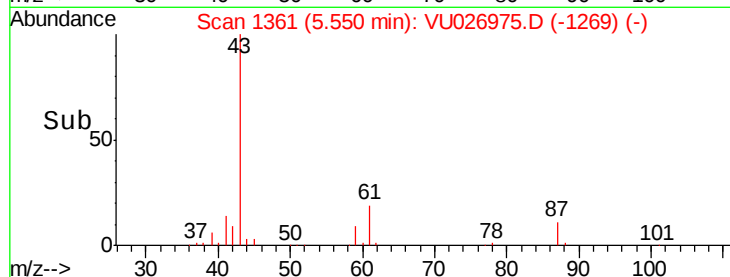
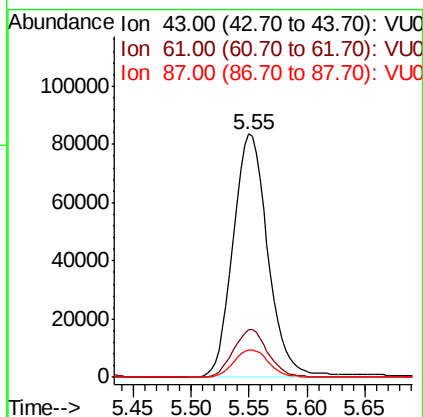
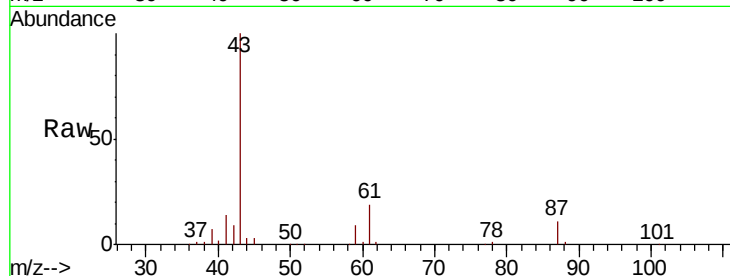
ClientSampleId :

SA-PZ139I-20180911MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 173680 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 19.4  | 15.7  | 23.5   |
| 87       | 11.4  | 9.0   | 13.4   |

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#44

Trichloroethene

Concen: 51.470 ug/l

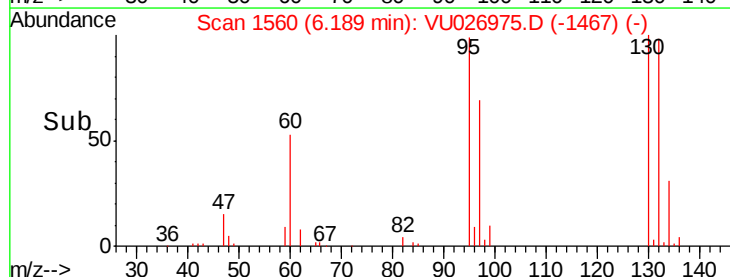
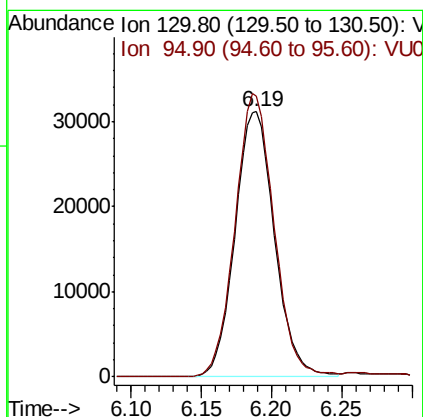
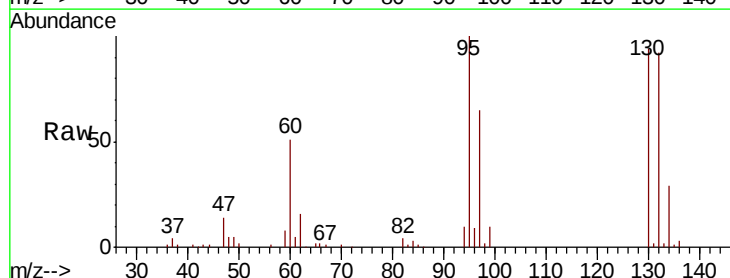
RT: 6.19 min Scan# 1560

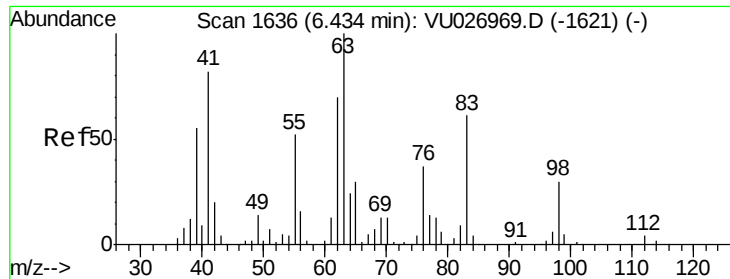
Delta R.T. 0.00 min

Lab File: VU026975.D

Acq: 21 Sep 2018 18:32

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 61255 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 106.1 | 0.0   | 208.8 |





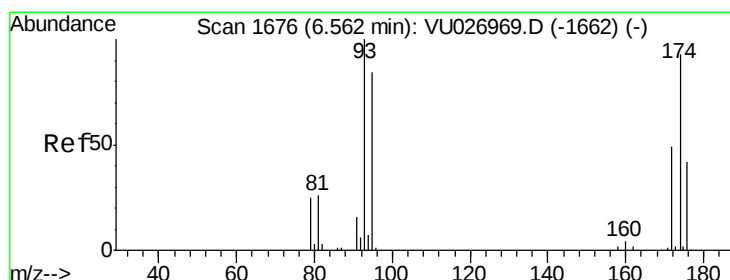
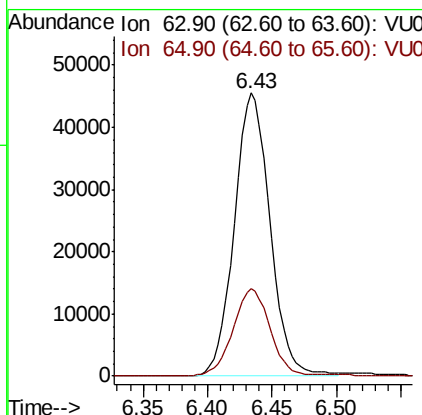
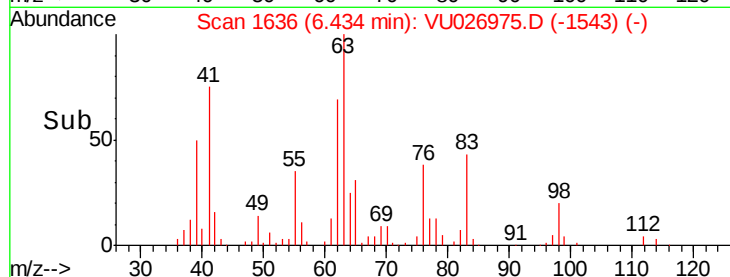
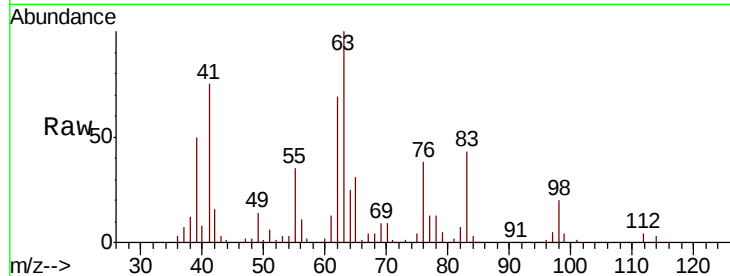
#45  
 1,2-Dichloropropane  
 Concen: 55.272 ug/l  
 RT: 6.43 min Scan# 1636  
 Delta R.T. 0.00 min  
 Lab File: VU026975.D  
 Acq: 21 Sep 2018 18:32

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 SA-PZ139I-20180911MS

Tot Ion: 63 Resp: 88040  
 Ion Ratio Lower Upper  
 63 100  
 65 30.8 24.3 36.5

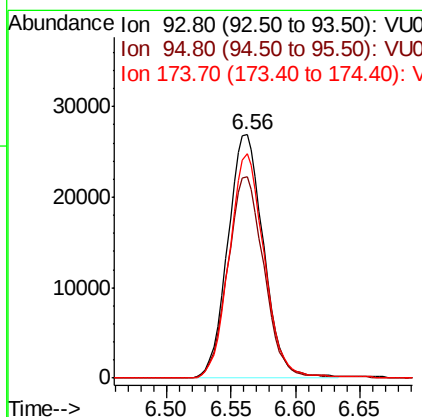
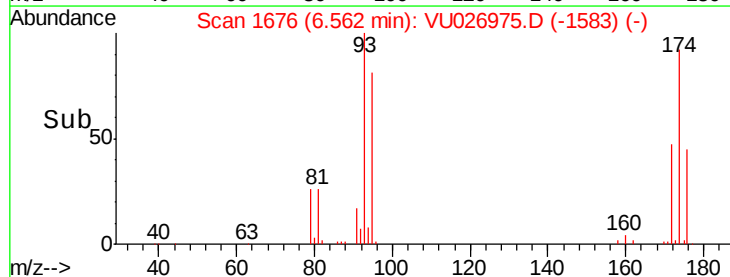
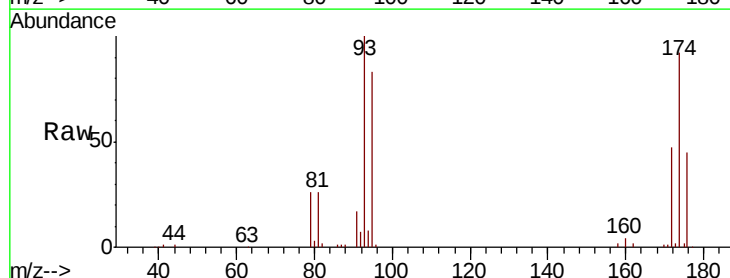
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#46  
 Dibromomethane  
 Concen: 53.934 ug/l  
 RT: 6.56 min Scan# 1676  
 Delta R.T. 0.00 min  
 Lab File: VU026975.D  
 Acq: 21 Sep 2018 18:32

Tgt Ion: 93 Resp: 51884  
 Ion Ratio Lower Upper  
 93 100  
 95 83.5 66.2 99.4  
 174 90.1 71.7 107.5





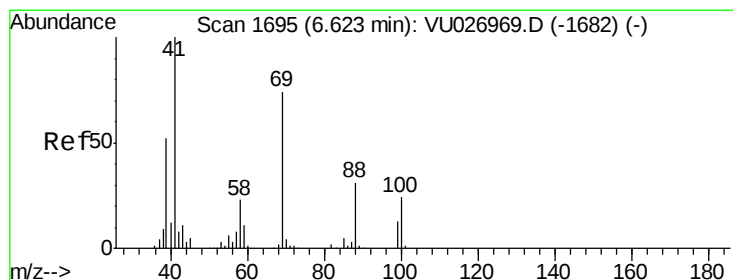
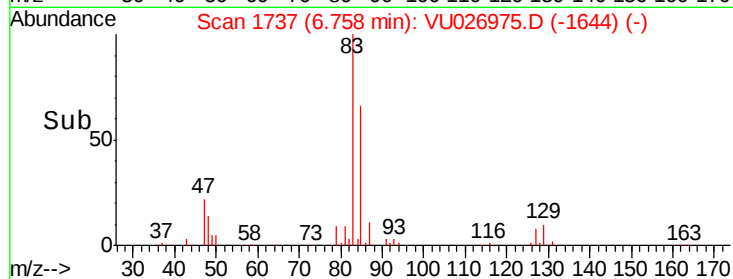
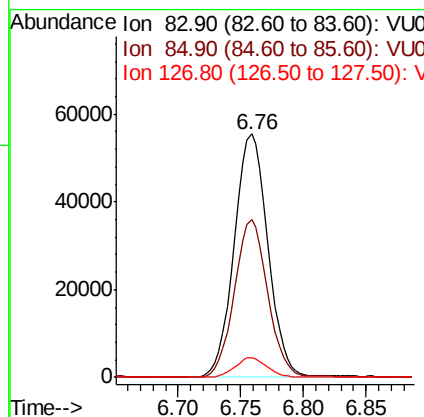
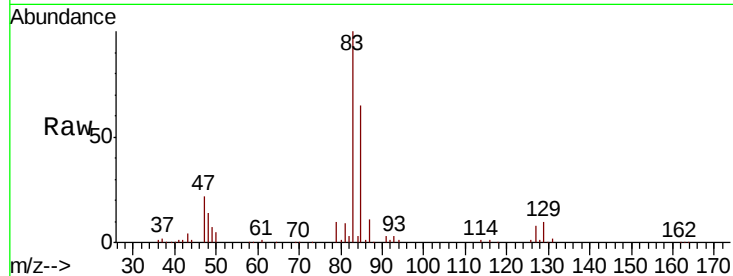
#47  
Bromodichloromethane  
Concen: 53.516 ug/l  
RT: 6.76 min Scan# 1737  
Delta R.T. 0.00 min  
Lab File: VU026975.D  
Acq: 21 Sep 2018 18:32

Instrument :  
MSVOA\_U  
ClientSampleId :  
SA-PZ139I-20180911MS

| Tot Ion   | 83   | Resp  | 104100 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 83        | 100  |       |        |
| 85        | 64.8 | 52.5  | 78.7   |
| 127       | 8.2  | 6.3   | 9.5    |

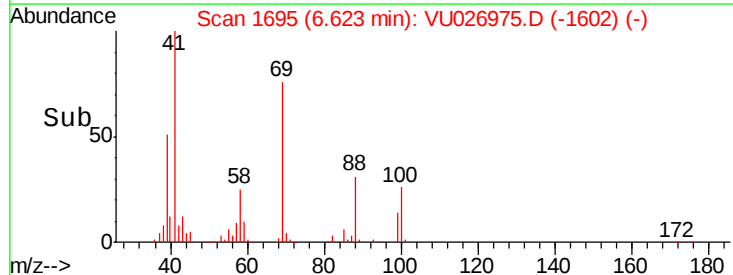
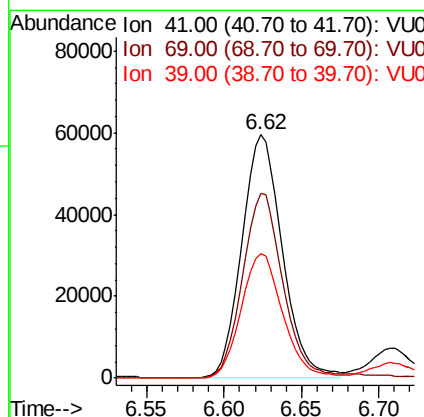
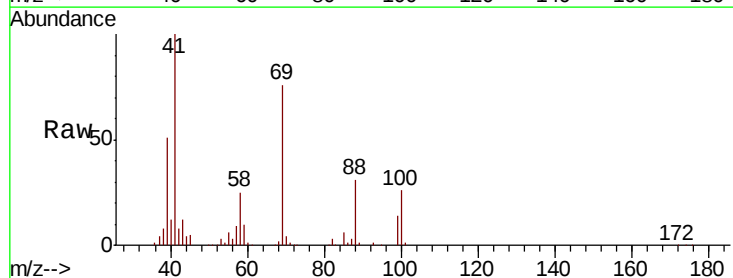
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#48  
Methyl methacrylate  
Concen: 55.016 ug/l  
RT: 6.62 min Scan# 1695  
Delta R.T. 0.00 min  
Lab File: VU026975.D  
Acq: 21 Sep 2018 18:32

| Tgt Ion   | 41   | Resp  | 108915 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 41        | 100  |       |        |
| 69        | 77.1 | 60.6  | 90.8   |
| 39        | 52.4 | 42.8  | 64.2   |





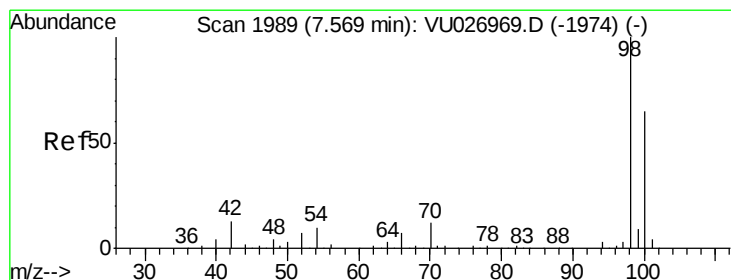
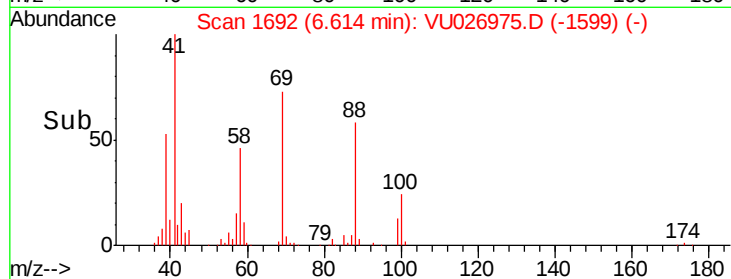
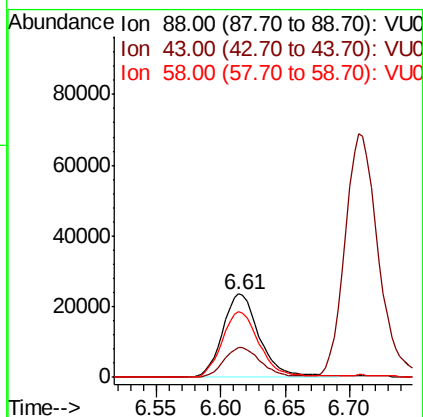
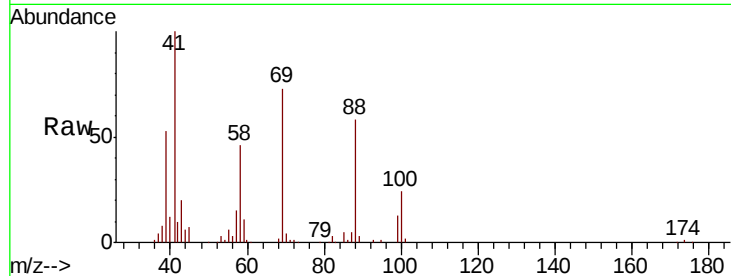
#49  
1,4-Dioxane  
Concen: 1192.592 ug/l  
RT: 6.61 min Scan# 1692  
Delta R.T. -0.00 min  
Lab File: VU026975.D  
Acq: 21 Sep 2018 18:32

Instrument :  
MSVOA\_U  
ClientSampleId :  
SA-PZ139I-20180911MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 36.6  | 29.8  | 44.8  |
| 58      | 80.1  | 63.9  | 95.9  |

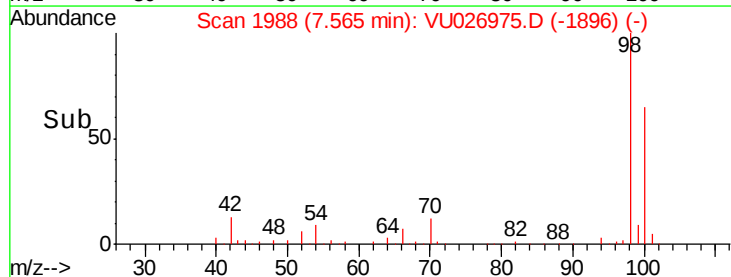
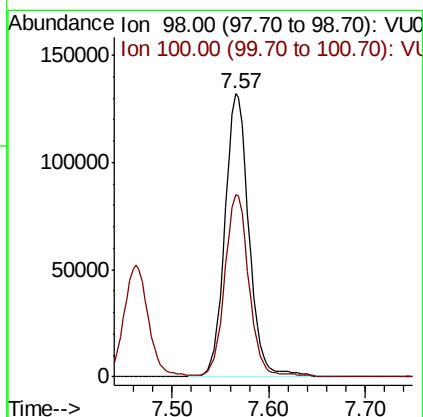
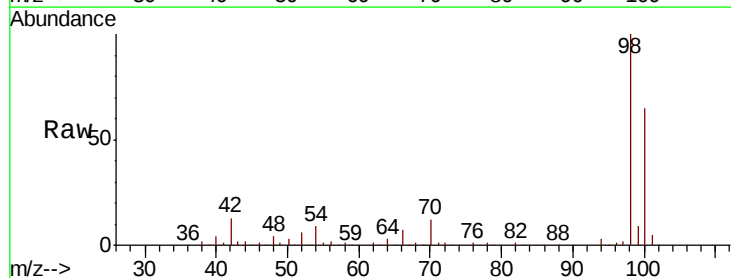
Manual Integrations  
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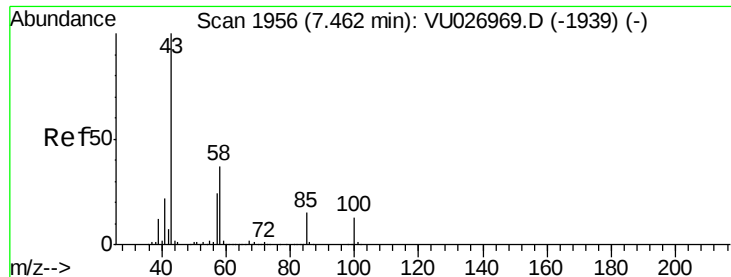
MMDadoda  
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#50  
Toluene-d8  
Concen: 50.117 ug/l  
RT: 7.57 min Scan# 1988  
Delta R.T. -0.00 min  
Lab File: VU026975.D  
Acq: 21 Sep 2018 18:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 65.4  | 52.1  | 78.1  |





#51

4-Methyl-2-Pentanone

Concen: 299.708 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU026975.D

Acq: 21 Sep 2018 18:32

Instrument :

MSVOA\_U

ClientSampleId :

SA-PZ139I-20180911MS

Tot Ion: 43 Resp: 731798

Ion Ratio Lower Upper

43 100

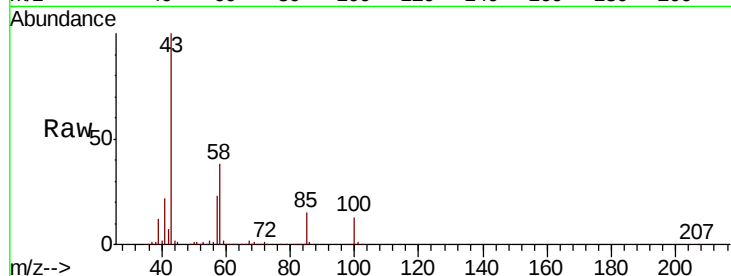
58 38.0 29.8 44.6

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Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU026969.D (-1939) (-)

7.46

400000

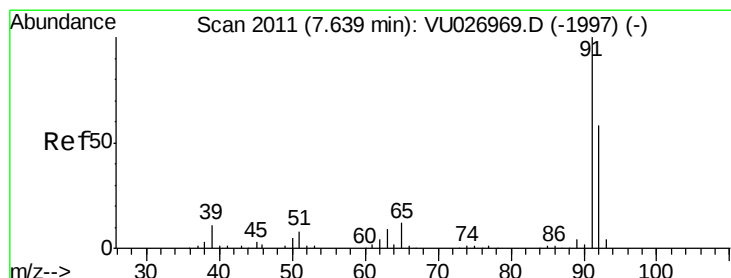
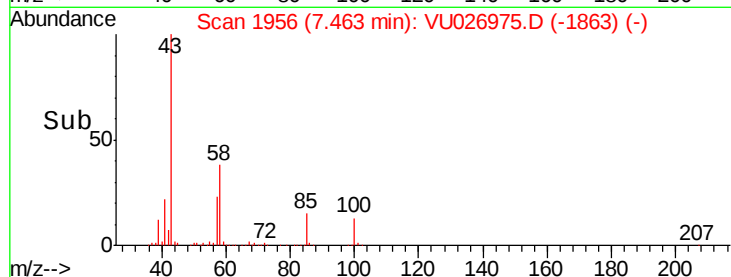
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 54.285 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU026975.D

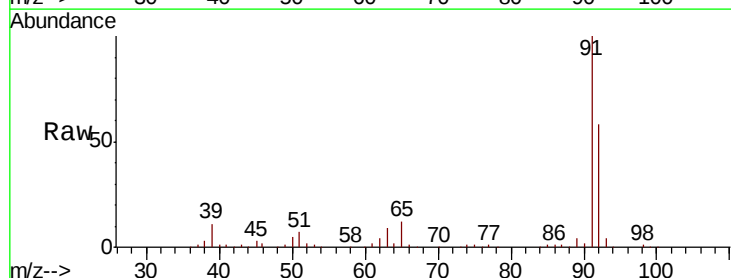
Acq: 21 Sep 2018 18:32

Tgt Ion: 92 Resp: 173946

Ion Ratio Lower Upper

92 100

91 170.9 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VU026969.D (-1997) (-)

Ion 91.00 (90.70 to 91.70): VU026969.D (-1997) (-)

7.64

200000

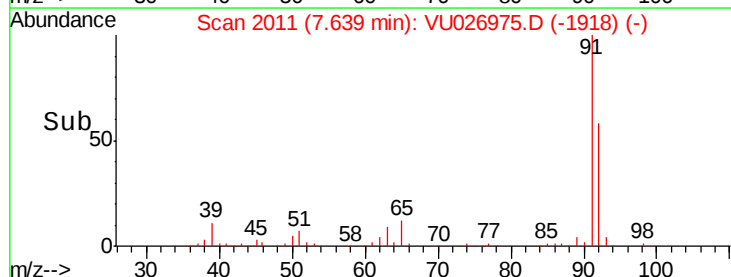
150000

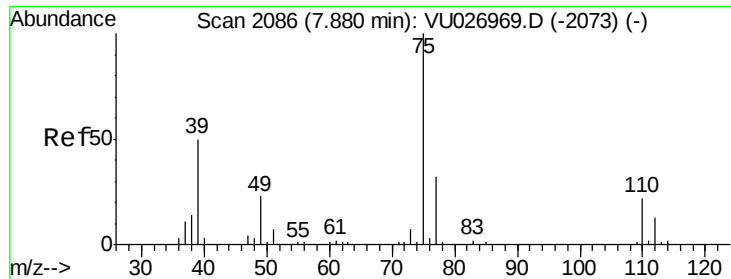
100000

50000

0

Time-->





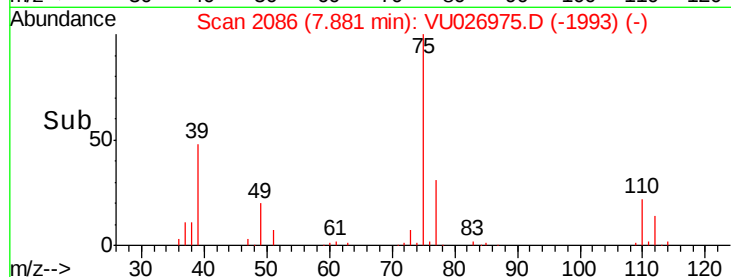
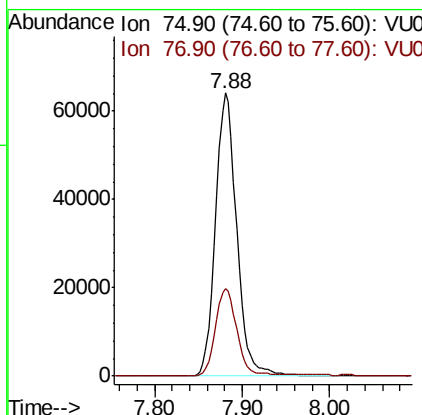
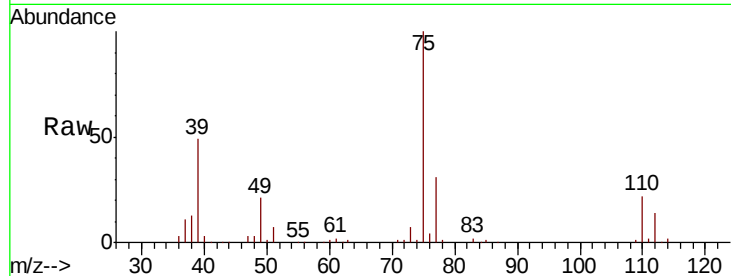
#53  
t-1,3-Dichloropropene  
Concen: 51.747 ug/l  
RT: 7.88 min Scan# 2086  
Delta R.T. 0.00 min  
Lab File: VU026975.D  
Acq: 21 Sep 2018 18:32

Instrument :  
MSVOA\_U  
ClientSampleId :  
SA-PZ139I-20180911MS

Tot Ion: 75 Resp: 108149  
Ion Ratio Lower Upper  
75 100  
77 31.2 25.3 37.9

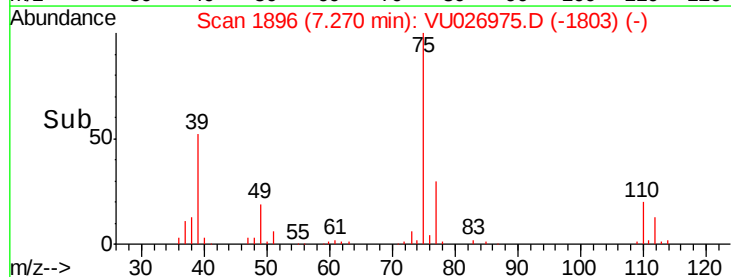
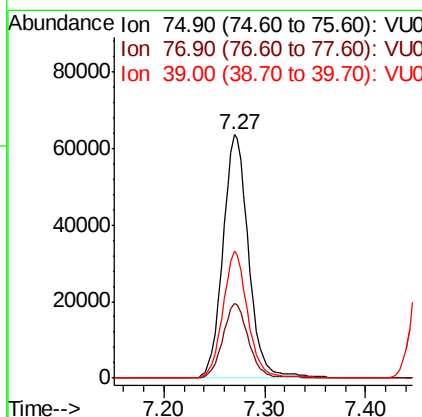
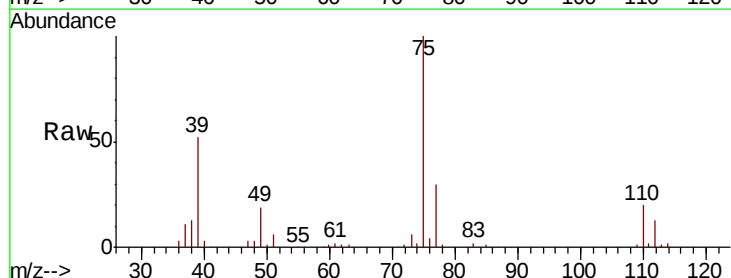
Manual Integrations  
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#54  
cis-1,3-Dichloropropene  
Concen: 49.187 ug/l  
RT: 7.27 min Scan# 1896  
Delta R.T. 0.00 min  
Lab File: VU026975.D  
Acq: 21 Sep 2018 18:32

Tgt Ion: 75 Resp: 113031  
Ion Ratio Lower Upper  
75 100  
77 30.5 25.4 38.0  
39 52.0 41.6 62.4





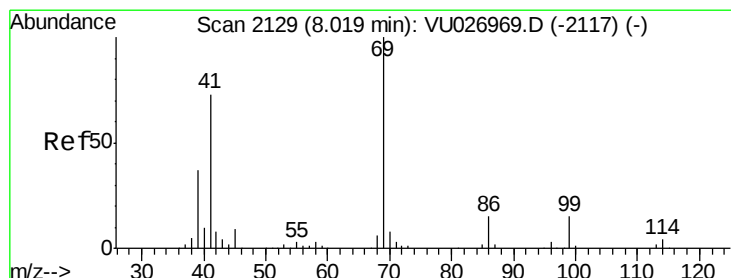
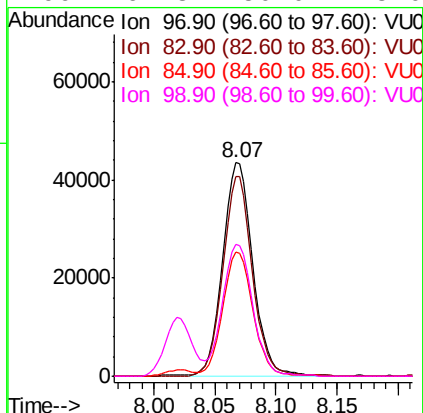
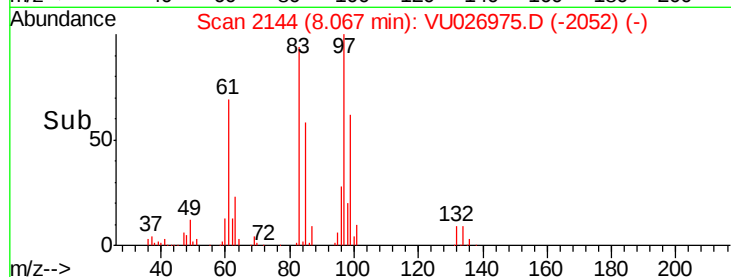
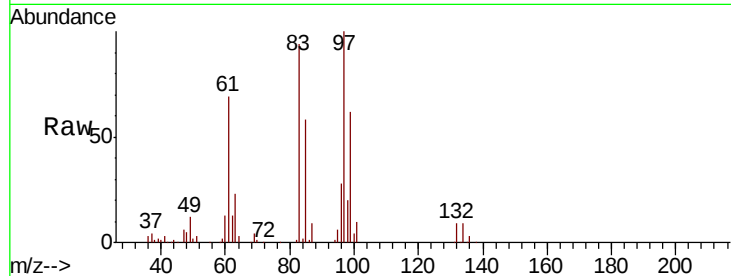
#55  
 1,1,2-Trichloroethane  
 Concen: 55.753 ug/l  
 RT: 8.07 min Scan# 2144  
 Delta R.T. -0.00 min  
 Lab File: VU026975.D  
 Acq: 21 Sep 2018 18:32

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 SA-PZ139I-20180911MS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 75699 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 93.8  | 73.1  | 109.7 |
| 85       | 58.4  | 46.7  | 70.1  |
| 99       | 61.8  | 50.0  | 75.0  |

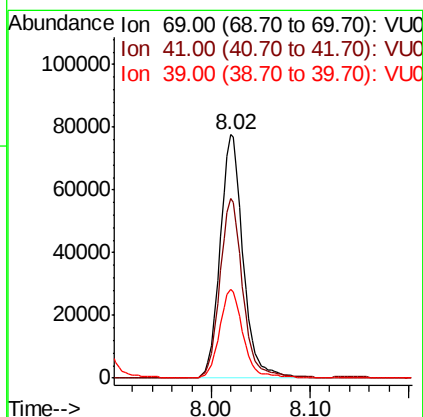
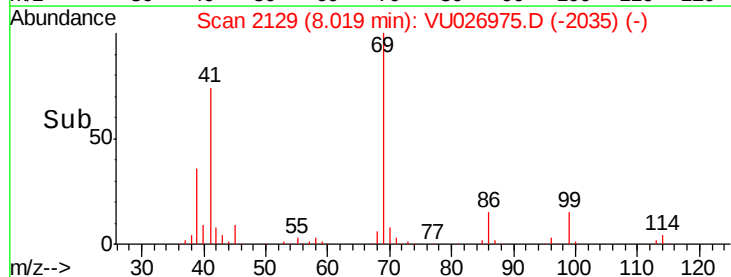
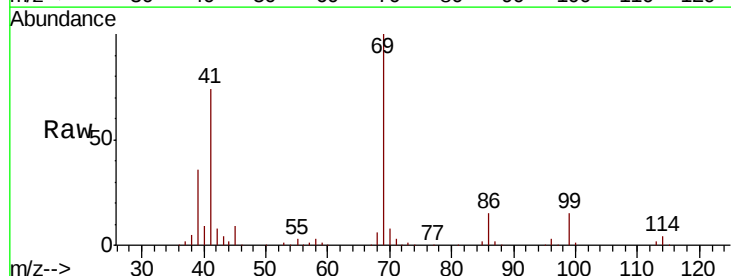
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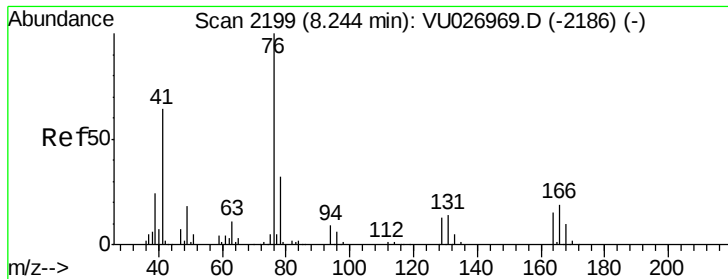
MMDadoda  
 9/24/2018 2:14:13 PM



#56  
 Ethyl methacrylate  
 Concen: 53.851 ug/l  
 RT: 8.02 min Scan# 2129  
 Delta R.T. 0.00 min  
 Lab File: VU026975.D  
 Acq: 21 Sep 2018 18:32

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 127280 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 74.0  | 59.0  | 88.4   |
| 39       | 36.6  | 30.2  | 45.4   |





#57

1,3-Dichloropropane

Concen: 56.348 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU026975.D

Acq: 21 Sep 2018 18:32

Instrument :

MSVOA\_U

ClientSampleId :

SA-PZ139I-20180911MS

Tot Ion: 76 Resp: 142295

Ion Ratio Lower Upper

76 100

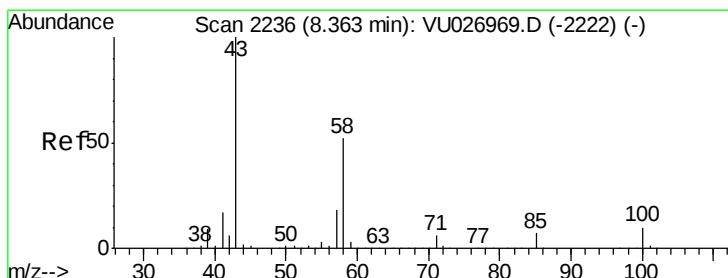
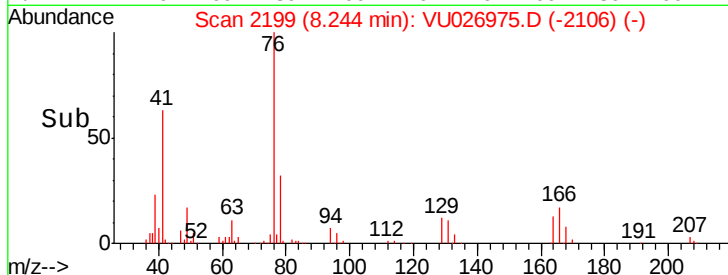
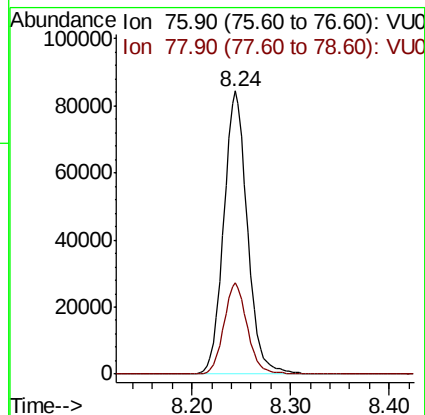
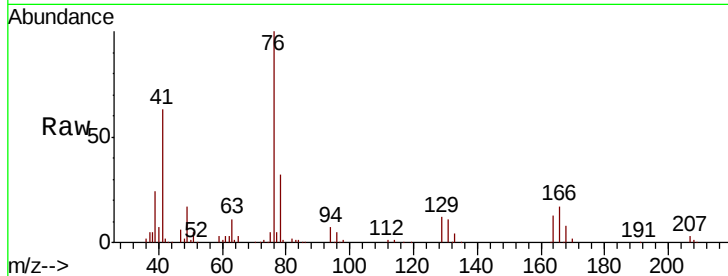
78 31.8 25.5 38.3

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#59

2-Hexanone

Concen: 296.185 ug/l

RT: 8.36 min Scan# 2236

Delta R.T. 0.00 min

Lab File: VU026975.D

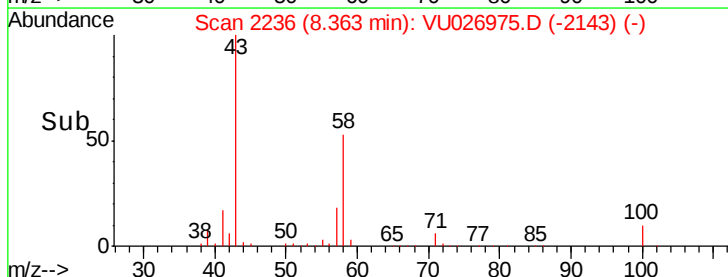
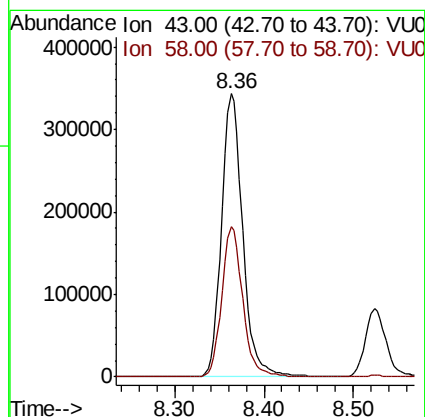
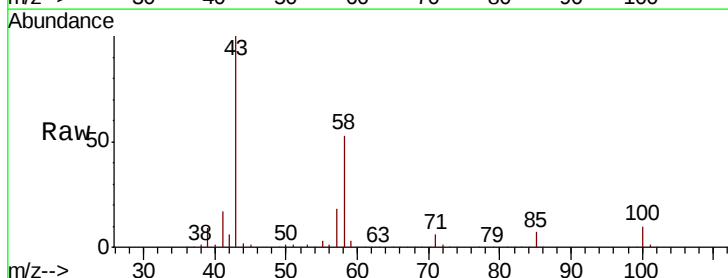
Acq: 21 Sep 2018 18:32

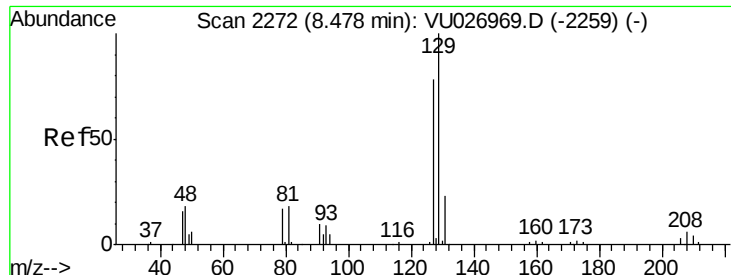
Tgt Ion: 43 Resp: 566103

Ion Ratio Lower Upper

43 100

58 52.6 26.1 78.2





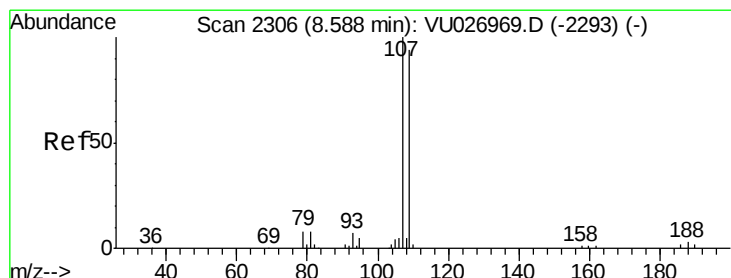
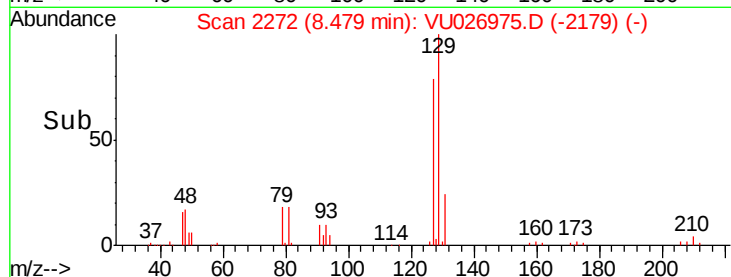
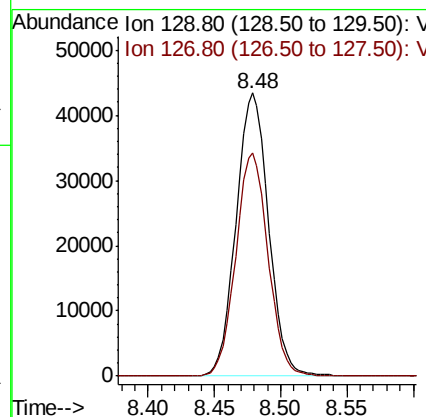
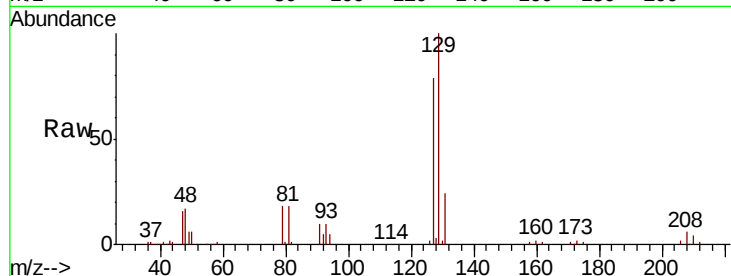
#60  
 Dibromochloromethane  
 Concen: 55.470 ug/l  
 RT: 8.48 min Scan# 2272  
 Delta R.T. 0.00 min  
 Lab File: VU026975.D  
 Acq: 21 Sep 2018 18:32

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 SA-PZ139I-20180911MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 129     | 100   |       |       |
| 127     | 78.4  | 38.1  | 114.5 |

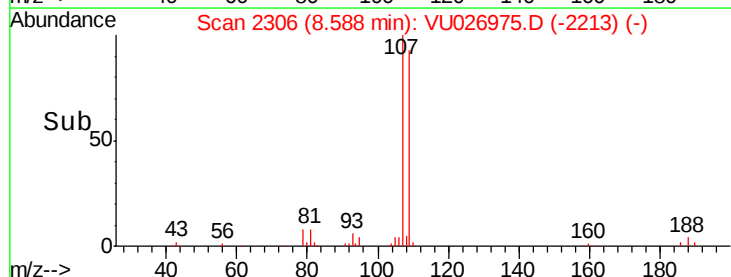
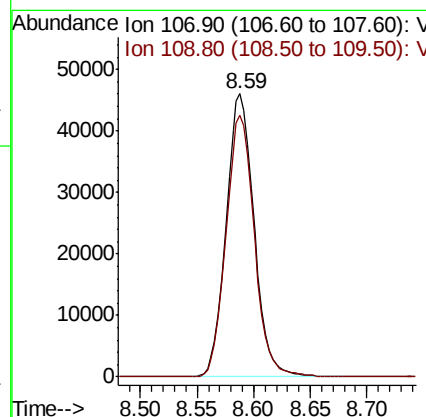
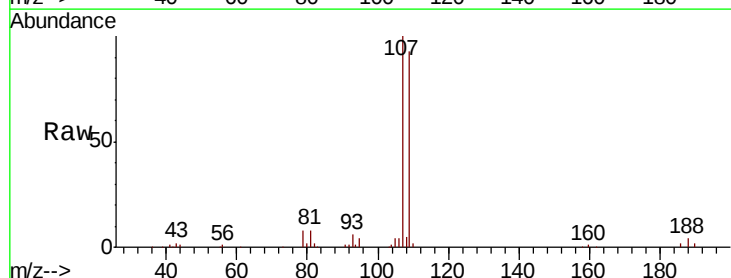
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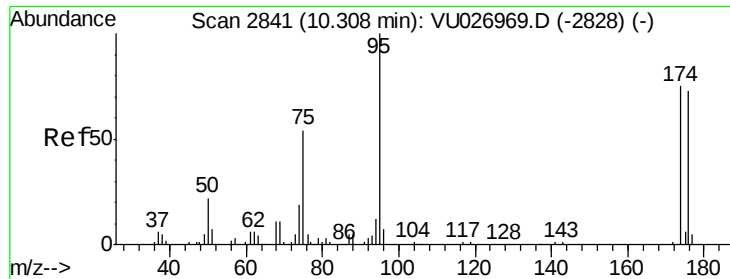
MMDadoda  
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#61  
 1,2-Dibromoethane  
 Concen: 56.065 ug/l  
 RT: 8.59 min Scan# 2306  
 Delta R.T. 0.00 min  
 Lab File: VU026975.D  
 Acq: 21 Sep 2018 18:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 93.6  | 75.0  | 112.6 |





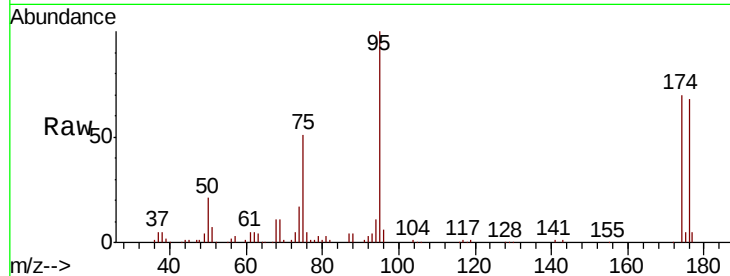
#62  
4-Bromofluorobenzene  
Concen: 52.462 ug/l  
RT: 10.31 min Scan# 2841  
Delta R.T. 0.00 min  
Lab File: VU026975.D  
Acq: 21 Sep 2018 18:32

Instrument :  
MSVOA\_U  
ClientSampleId :  
SA-PZ139I-20180911MS

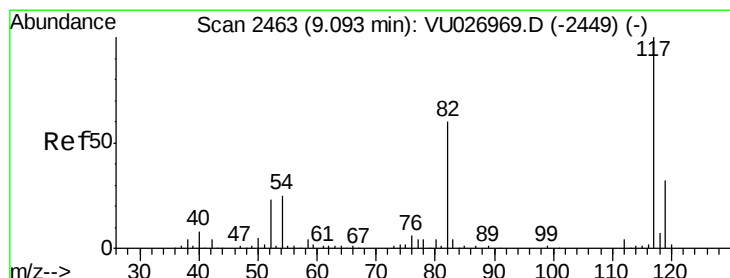
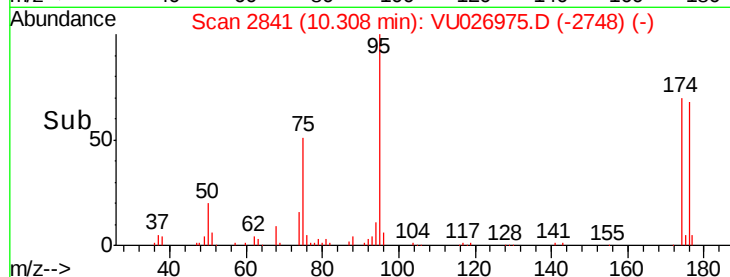
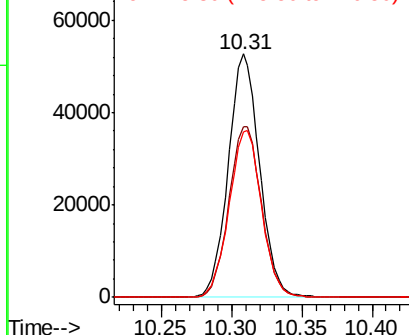
| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 95      | 100   | 81935 |       |       |
| 174     | 72.9  | 0.0   | 150.2 |       |
| 176     | 70.9  | 0.0   | 145.2 |       |

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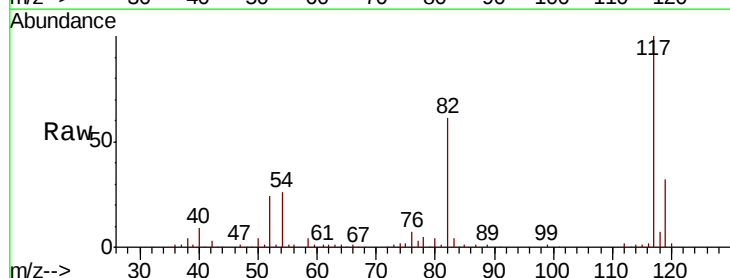


Abundance Ion 94.90 (94.60 to 95.60): VU026969.D (-2828) (-)  
Ion 173.80 (173.50 to 174.50): VU026969.D (-2828) (-)  
Ion 175.80 (175.50 to 176.50): VU026969.D (-2828) (-)

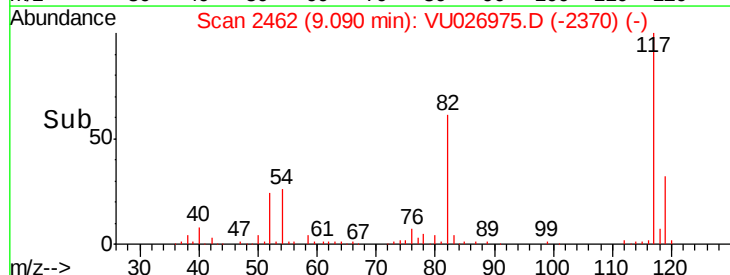
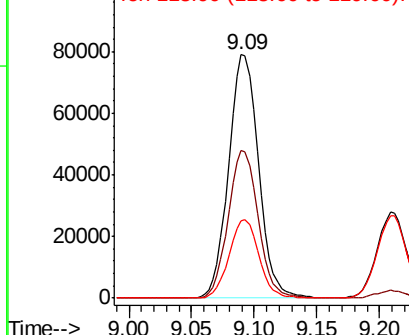


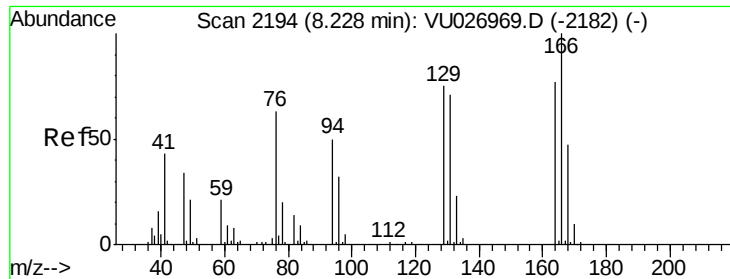
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.09 min Scan# 2462  
Delta R.T. -0.00 min  
Lab File: VU026975.D  
Acq: 21 Sep 2018 18:32

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 131534 |       |       |
| 82      | 60.7  | 48.0   | 72.0  |       |
| 119     | 31.7  | 25.8   | 38.8  |       |



Abundance Ion 116.90 (116.60 to 117.60): VU026969.D (-2449) (-)  
Ion 82.00 (81.70 to 82.70): VU026969.D (-2449) (-)  
Ion 118.90 (118.60 to 119.60): VU026969.D (-2449) (-)





#64

Tetrachloroethene

Concen: 45.236 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU026975.D

Acq: 21 Sep 2018 18:32

Instrument :

MSVOA\_U

ClientSampleId :

SA-PZ139I-20180911MS

Tot Ion:164 Resp: 45849

Ion Ratio Lower Upper

164 100

166 125.9 104.4 156.6

129 94.5 78.7 118.1

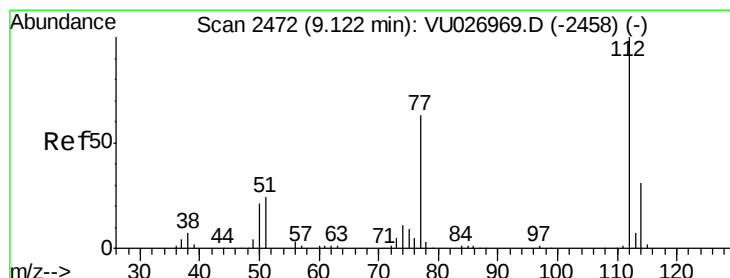
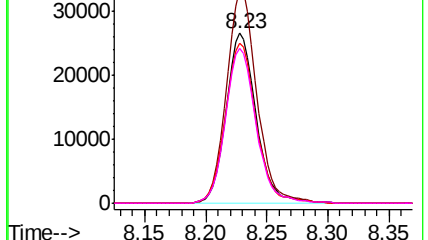
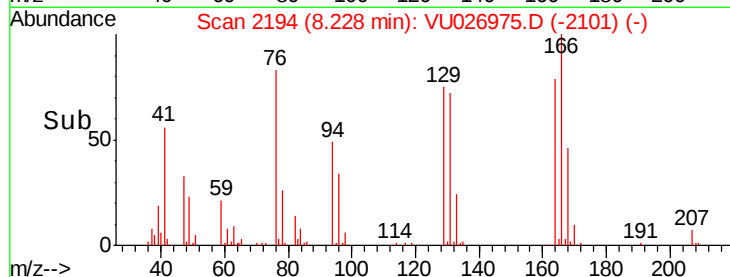
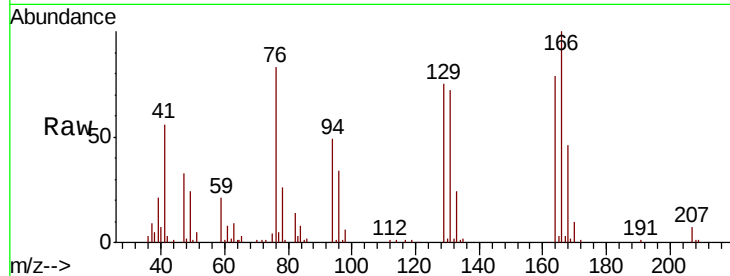
131 91.1 73.9 110.9

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#65

Chlorobenzene

Concen: 51.475 ug/l

RT: 9.12 min Scan# 2472

Delta R.T. 0.00 min

Lab File: VU026975.D

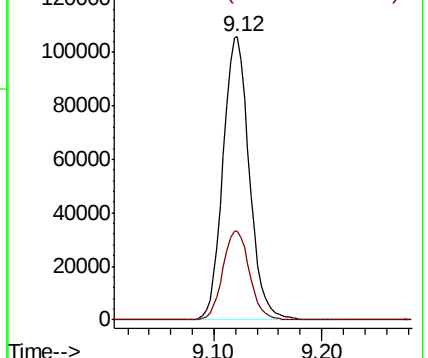
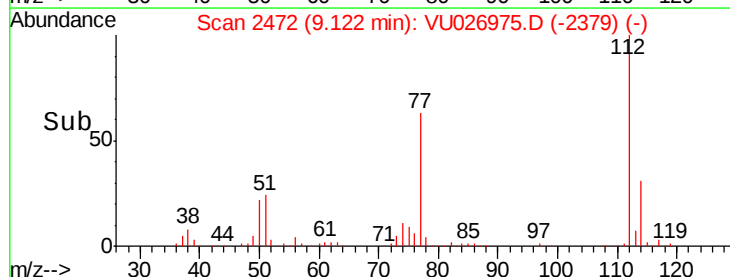
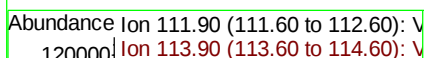
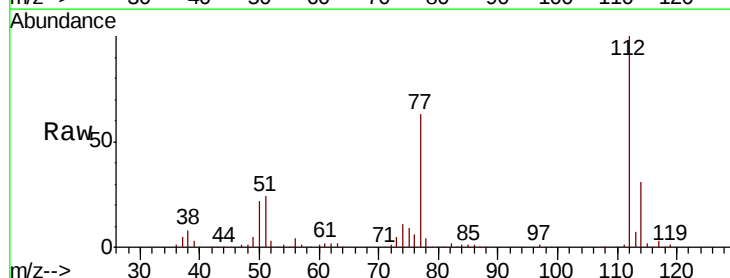
Acq: 21 Sep 2018 18:32

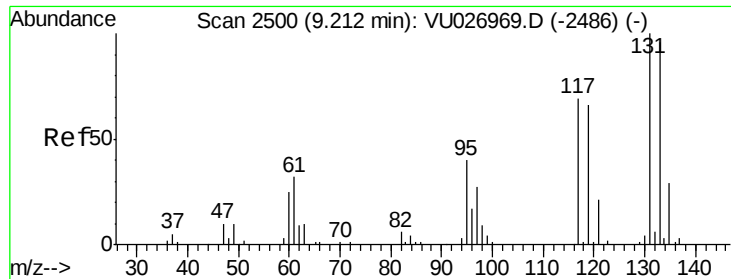
Tgt Ion:112 Resp: 179525

Ion Ratio Lower Upper

112 100

114 31.3 25.0 37.6





#66

1,1,1,2-Tetrachloroethane

Concen: 55.629 ug/l

RT: 9.21 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VU026975.D

Acq: 21 Sep 2018 18:32

Instrument :

MSVOA\_U

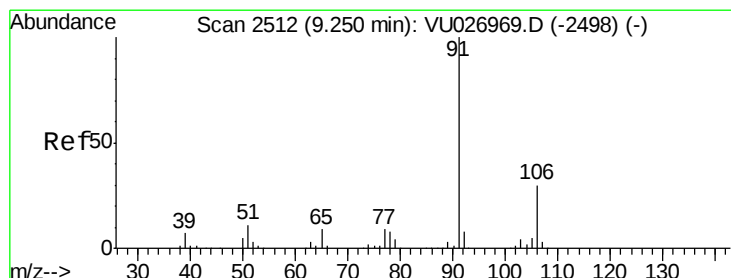
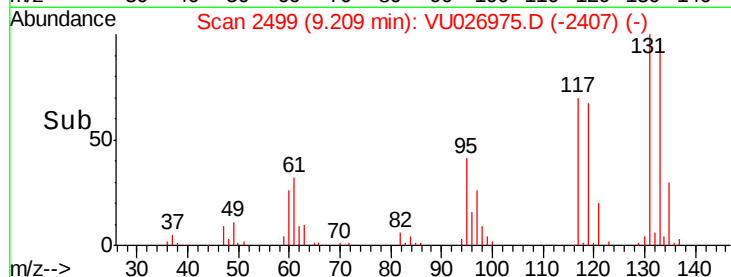
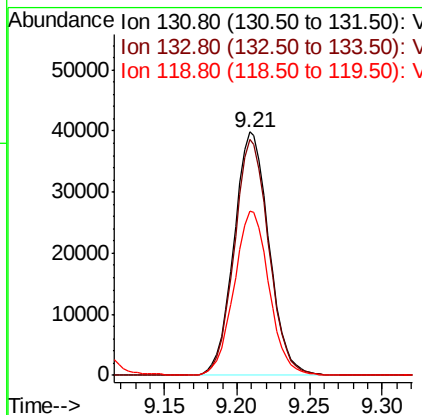
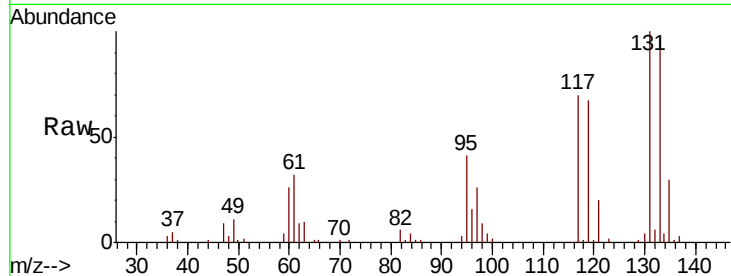
ClientSampleId :

SA-PZ139I-20180911MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 131   | Resp: | 66825 |
| Ion Ratio | Lower | Upper |       |
| 131       | 100   |       |       |
| 133       | 95.4  | 48.0  | 144.2 |
| 119       | 67.4  | 33.4  | 100.1 |

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#67

Ethyl Benzene

Concen: 54.014 ug/l

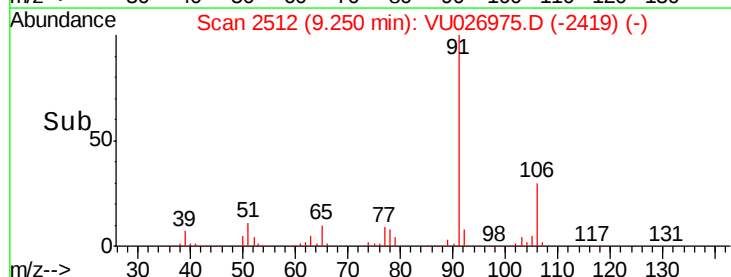
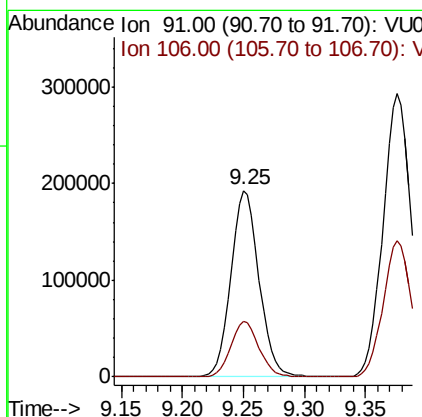
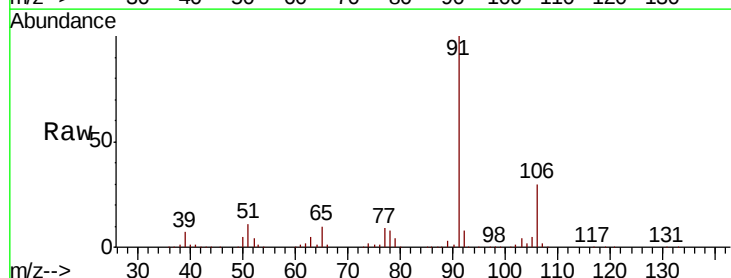
RT: 9.25 min Scan# 2512

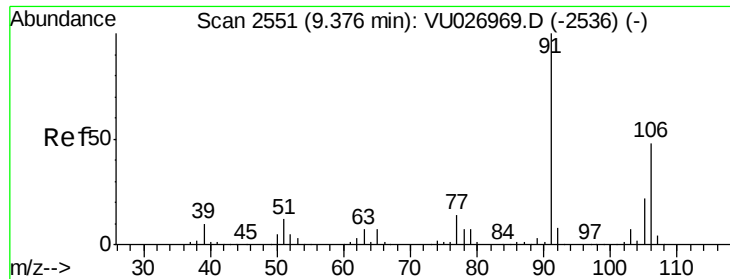
Delta R.T. 0.00 min

Lab File: VU026975.D

Acq: 21 Sep 2018 18:32

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 309773 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 106       | 29.5  | 23.8  | 35.8   |





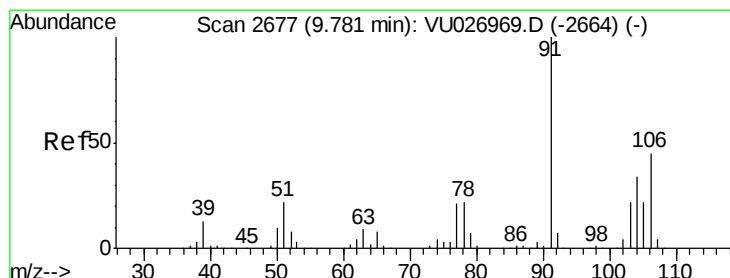
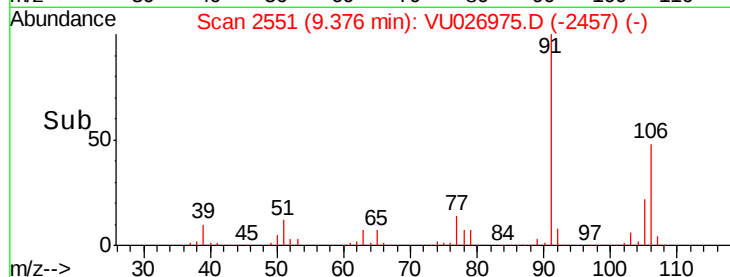
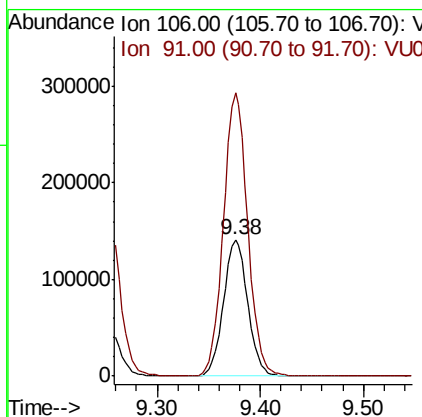
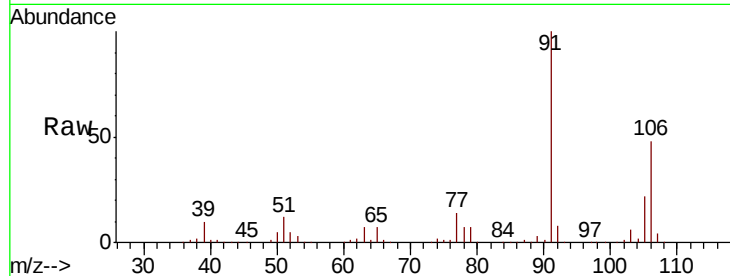
#68  
m/p-Xylenes  
Concen: 98.932 ug/l  
RT: 9.38 min Scan# 2551  
Delta R.T. 0.00 min  
Lab File: VU026975.D  
Acq: 21 Sep 2018 18:32

Instrument :  
MSVOA\_U  
ClientSampleId :  
SA-PZ139I-20180911MS

Tot Ion:106 Resp: 229742  
Ion Ratio Lower Upper  
106 100  
91 208.8 166.5 249.7

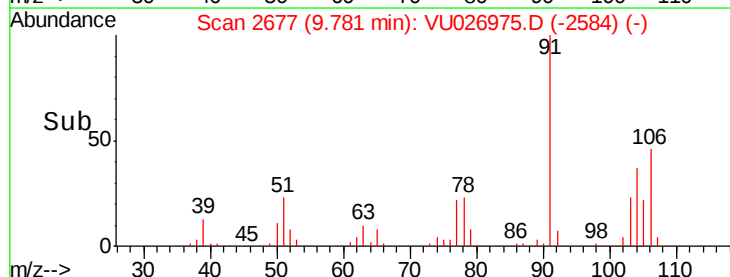
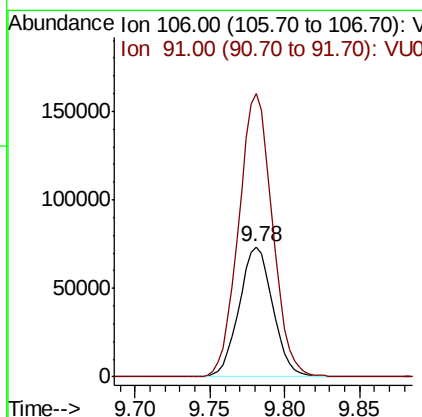
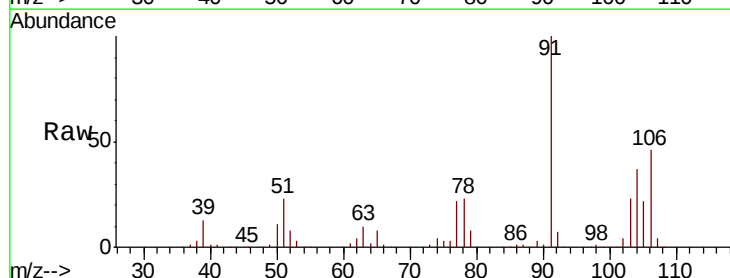
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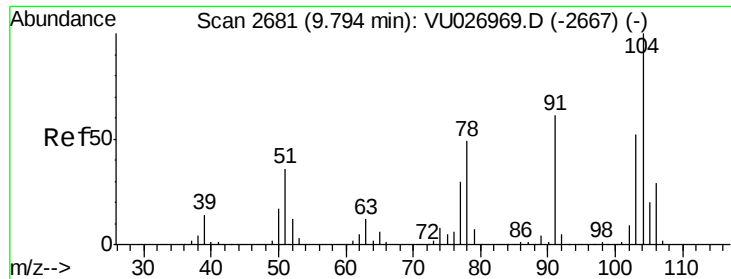
MMDadoda  
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#69  
o-Xylene  
Concen: 56.731 ug/l  
RT: 9.78 min Scan# 2677  
Delta R.T. 0.00 min  
Lab File: VU026975.D  
Acq: 21 Sep 2018 18:32

Tgt Ion:106 Resp: 115276  
Ion Ratio Lower Upper  
106 100  
91 218.6 110.2 330.6





#70

Stvrene

Concen: 50.965 ug/l

RT: 9.79 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU026975.D

Acq: 21 Sep 2018 18:32

Instrument :

MSVOA\_U

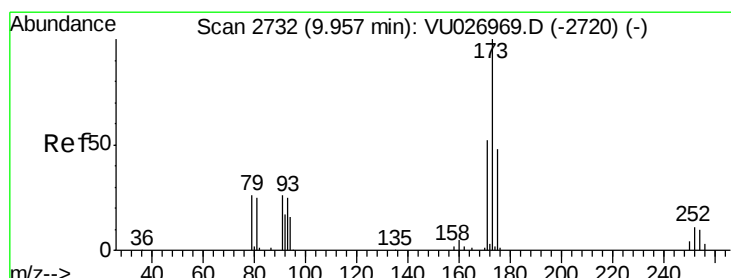
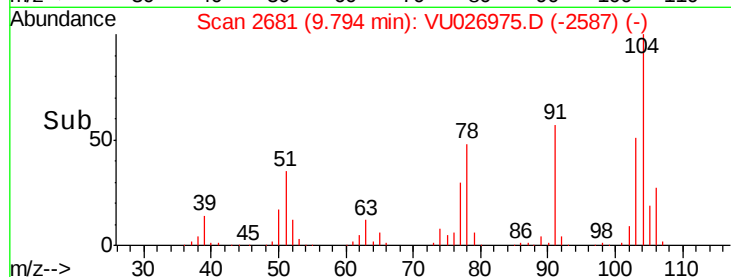
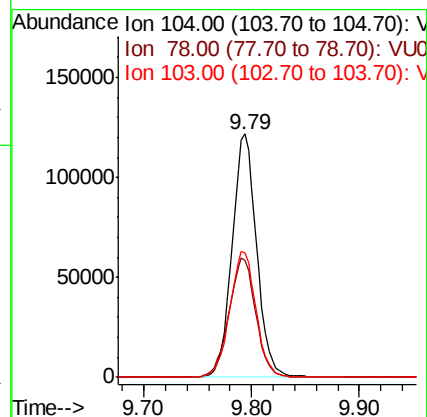
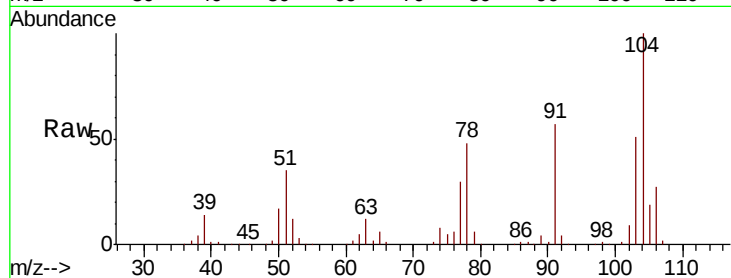
ClientSampleId :

SA-PZ139I-20180911MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 104   | Resp: | 193503 |
| Ion Ratio | Lower | Upper |        |
| 104       | 100   |       |        |
| 78        | 53.3  | 43.0  | 64.4   |
| 103       | 55.1  | 44.1  | 66.1   |

Manual Integrations  
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#71

Bromoform

Concen: 57.244 ug/l

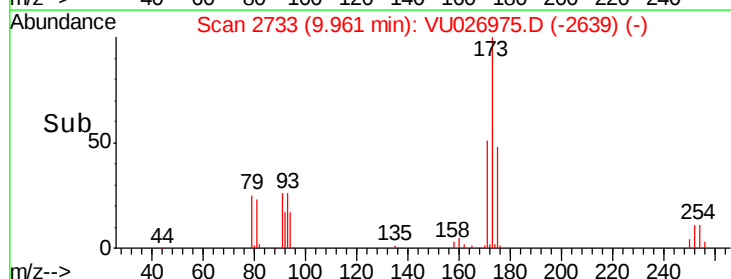
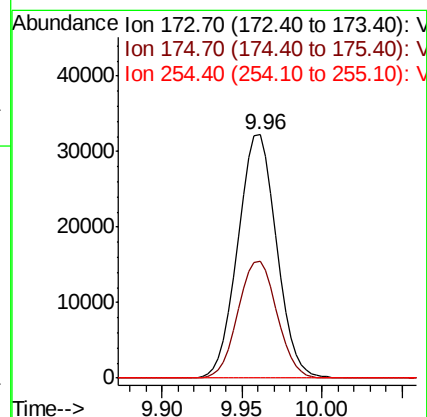
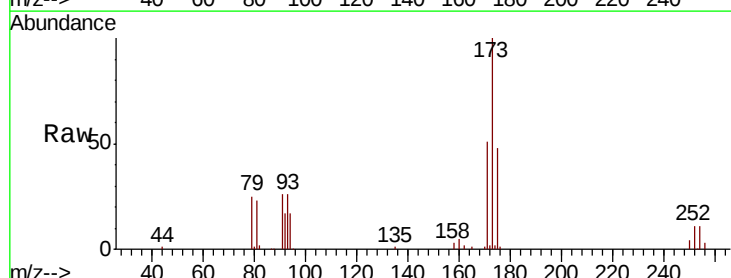
RT: 9.96 min Scan# 2733

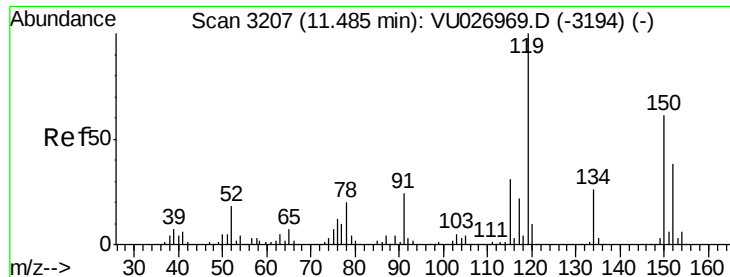
Delta R.T. 0.00 min

Lab File: VU026975.D

Acq: 21 Sep 2018 18:32

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 173   | Resp: | 53177 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 48.2  | 23.9  | 71.8  |
| 254       | 0.0   | 0.0   | 0.0   |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU026975.D

Acq: 21 Sep 2018 18:32

Instrument :

MSVOA\_U

ClientSampleId :

SA-PZ139I-20180911MS

Tot Ion:152 Resp: 69633

Ion Ratio Lower Upper

152 100

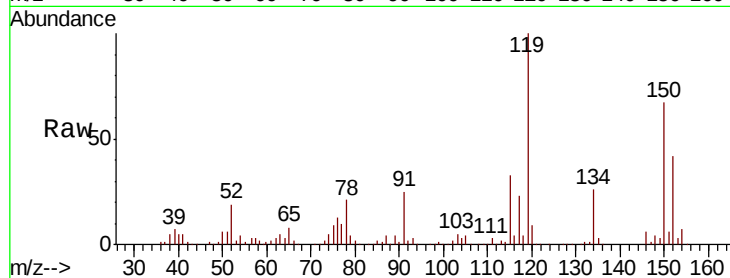
115 87.1 44.9 134.5

150 178.5 0.0 355.8

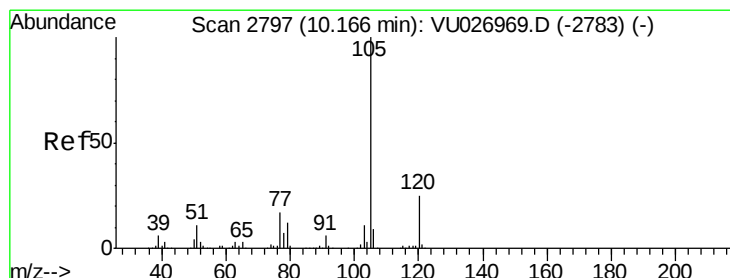
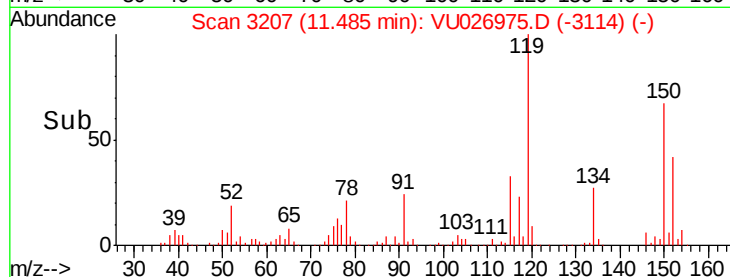
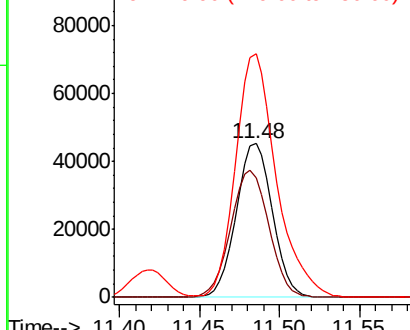
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Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 55.274 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU026975.D

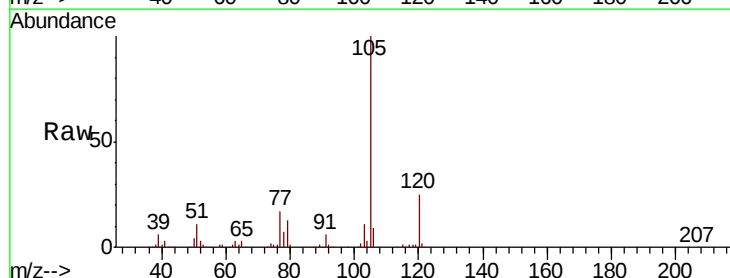
Acq: 21 Sep 2018 18:32

Tgt Ion:105 Resp: 292783

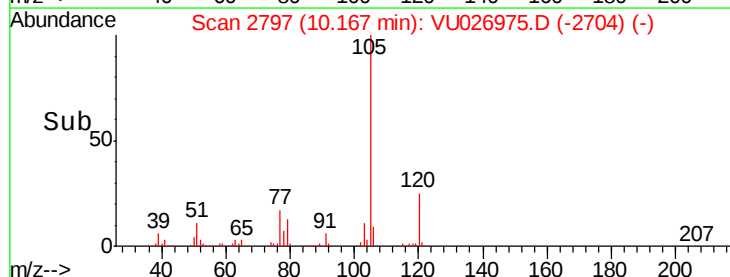
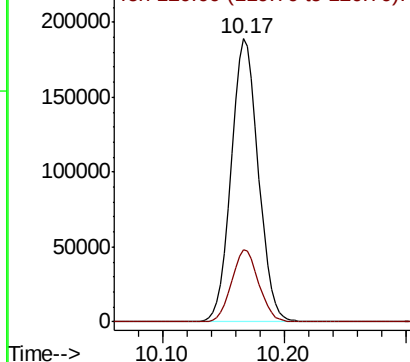
Ion Ratio Lower Upper

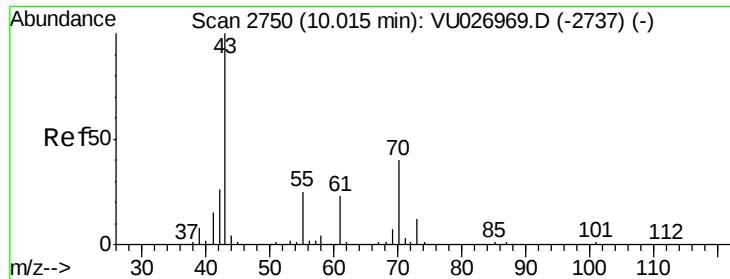
105 100

120 25.5 12.8 38.4



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





#74

N-amvl acetate

Concen: 42.275 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU026975.D

Acq: 21 Sep 2018 18:32

Instrument :

MSVOA\_U

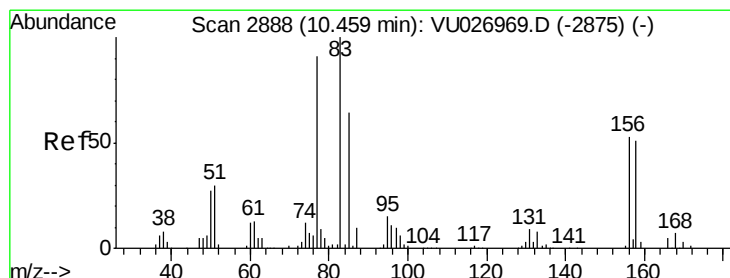
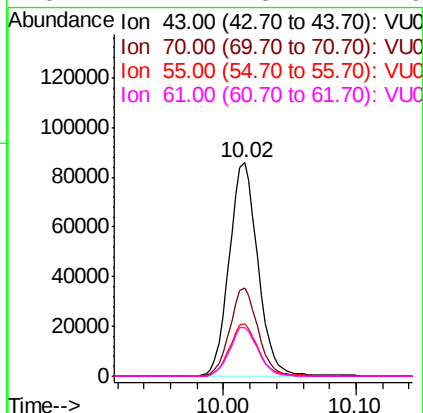
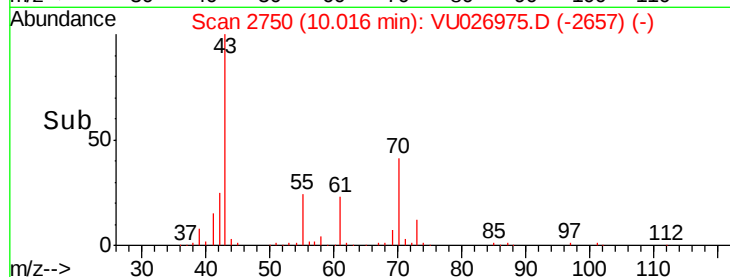
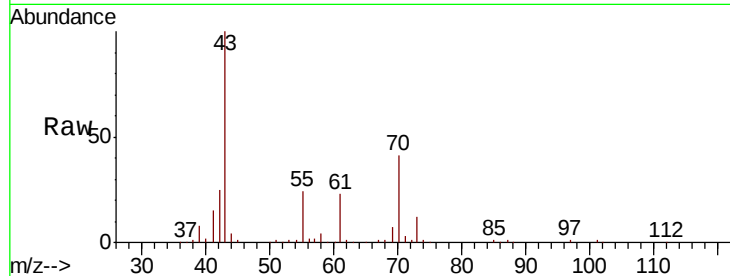
ClientSampleId :

SA-PZ139I-20180911MS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 43      | 100  |       | 129618 |       |       |
| 70      | 40.3 | 31.8  | 47.8   |       |       |
| 55      | 24.4 | 19.9  | 29.9   |       |       |
| 61      | 22.7 | 18.4  | 27.6   |       |       |

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#75

1,1,2,2-Tetrachloroethane

Concen: 55.713 ug/l

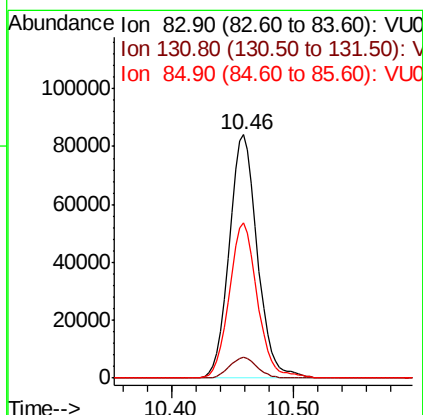
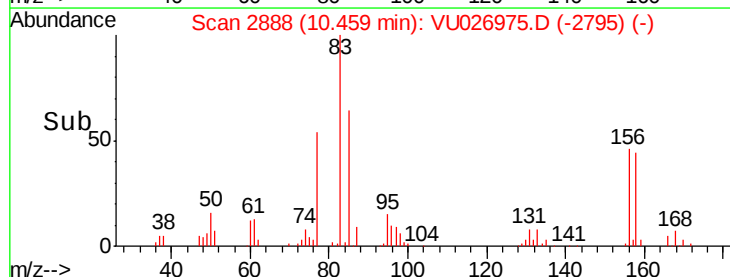
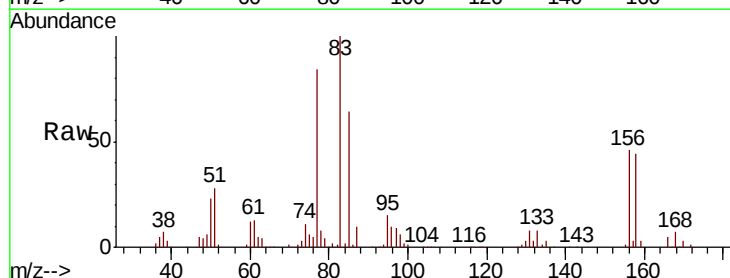
RT: 10.46 min Scan# 2888

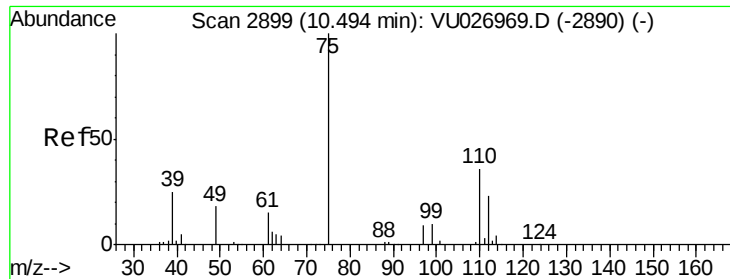
Delta R.T. 0.00 min

Lab File: VU026975.D

Acq: 21 Sep 2018 18:32

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 83      | 100  |       | 135682 |       |       |
| 131     | 8.3  | 4.3   | 12.8   |       |       |
| 85      | 63.8 | 31.9  | 95.7   |       |       |





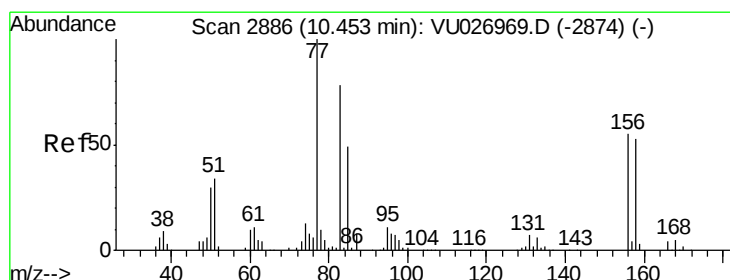
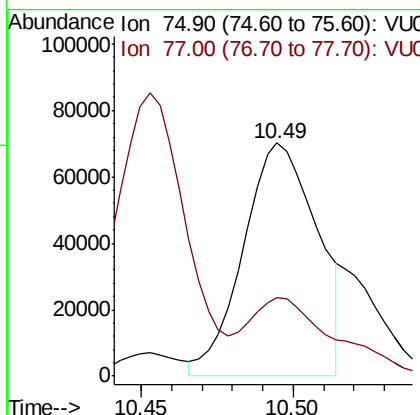
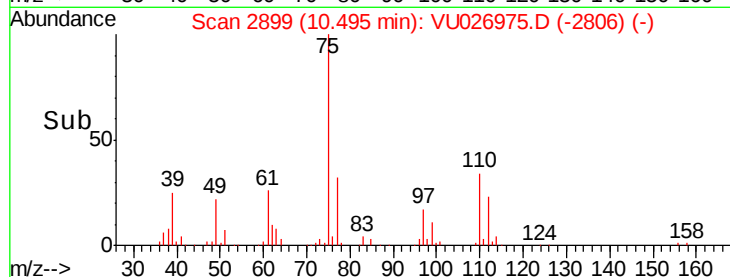
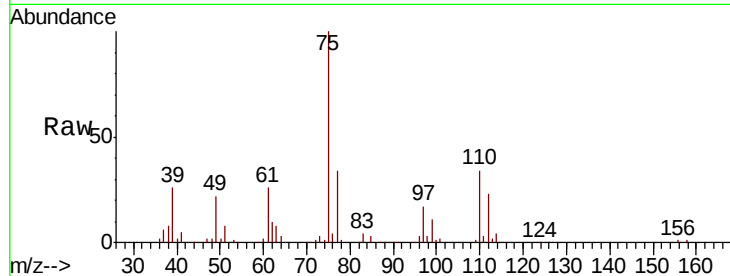
#76  
1,2,3-Trichloropropane  
Concen: 56.202 ug/l m  
RT: 10.49 min Scan# 2899  
Delta R.T. 0.00 min  
Lab File: VU026975.D  
Acq: 21 Sep 2018 18:32

Instrument :  
MSVOA\_U  
ClientSampleId :  
SA-PZ139I-20180911MS

Tot Ion: 75 Resp: 118891  
Ion Ratio Lower Upper  
75 100  
77 40.3 20.9 62.8

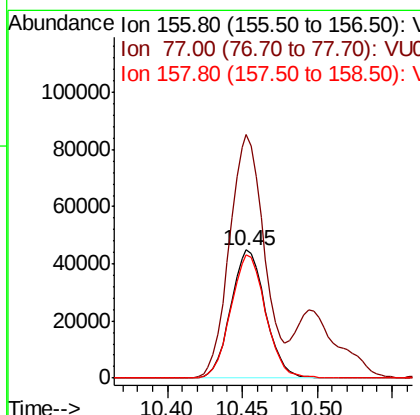
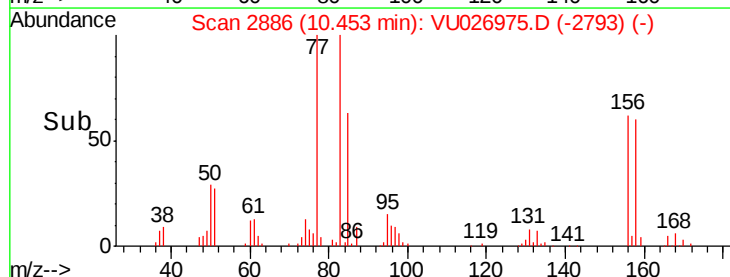
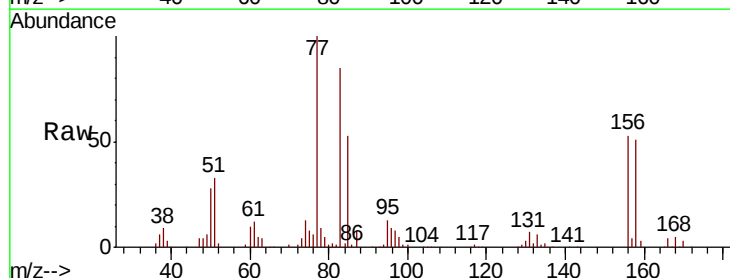
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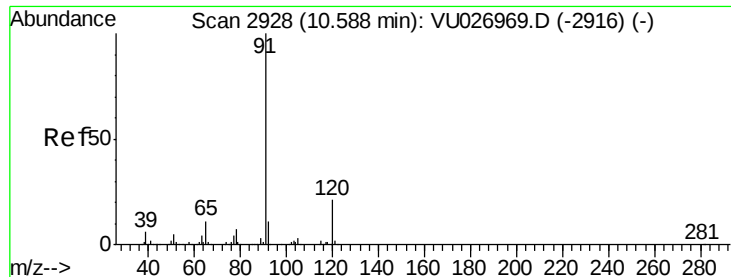
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#77  
Bromobenzene  
Concen: 55.768 ug/l  
RT: 10.45 min Scan# 2886  
Delta R.T. 0.00 min  
Lab File: VU026975.D  
Acq: 21 Sep 2018 18:32

Tgt Ion: 156 Resp: 72186  
Ion Ratio Lower Upper  
156 100  
77 190.5 92.3 276.9  
158 96.9 48.1 144.3





#78

n-propylbenzene

Concen: 53.521 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU026975.D

Acq: 21 Sep 2018 18:32

Instrument :

MSVOA\_U

ClientSampleId :

SA-PZ139I-20180911MS

Tot Ion: 91 Resp: 335442

Ion Ratio Lower Upper

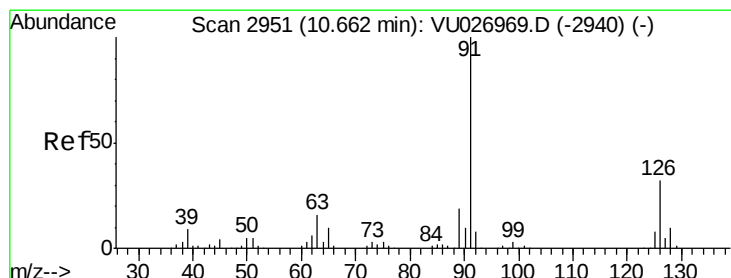
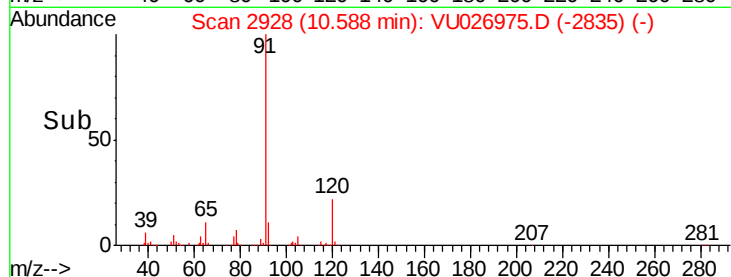
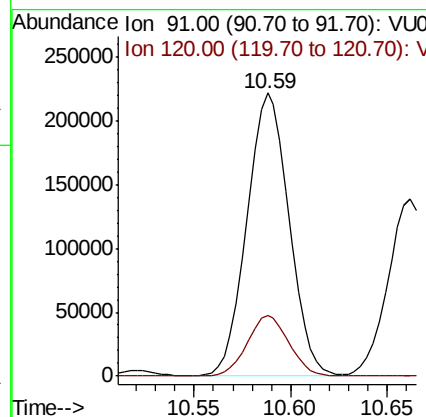
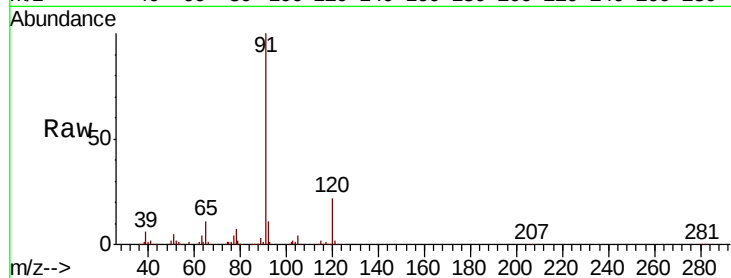
91 100

120 21.3 10.6 31.8

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#79

2-Chlorotoluene

Concen: 54.293 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU026975.D

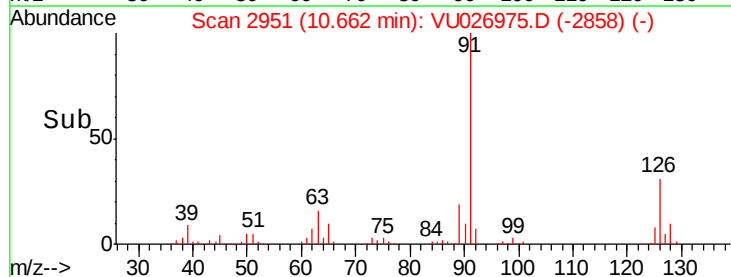
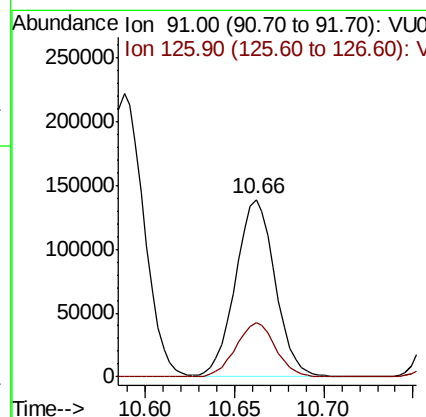
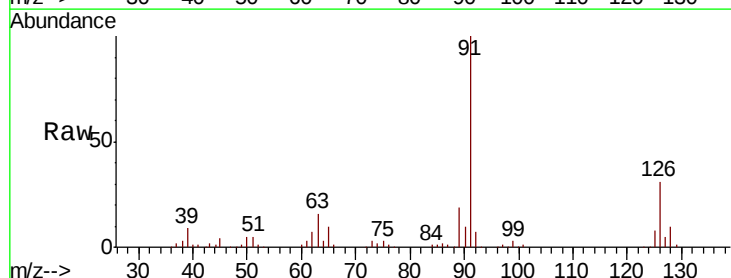
Acq: 21 Sep 2018 18:32

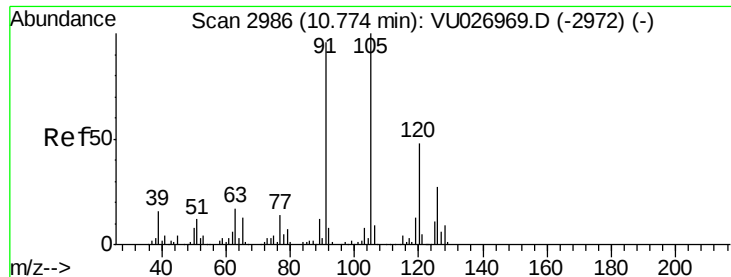
Tgt Ion: 91 Resp: 213738

Ion Ratio Lower Upper

91 100

126 30.8 15.8 47.3





#80

1,3,5-Trimethylbenzene

Concen: 55.961 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU026975.D

Acq: 21 Sep 2018 18:32

Instrument :

MSVOA\_U

ClientSampleId :

SA-PZ139I-20180911MS

Tot Ion:105 Resp: 244686

Ion Ratio Lower Upper

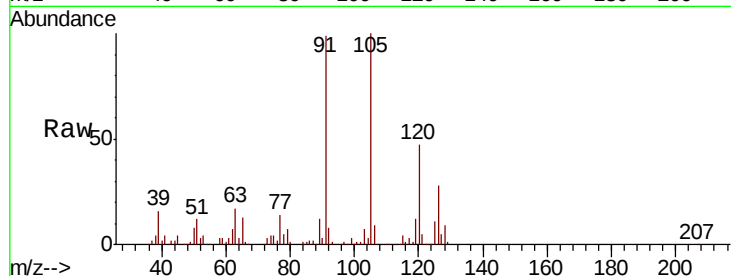
105 100

120 47.5 23.9 71.7

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.77

150000

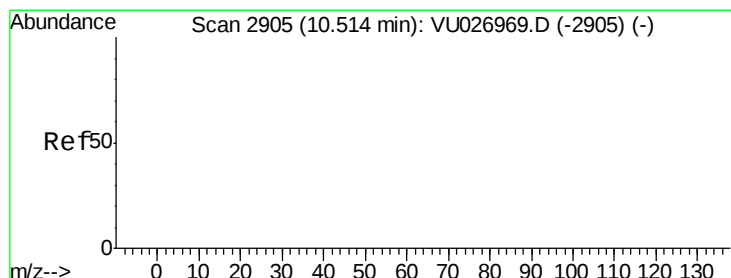
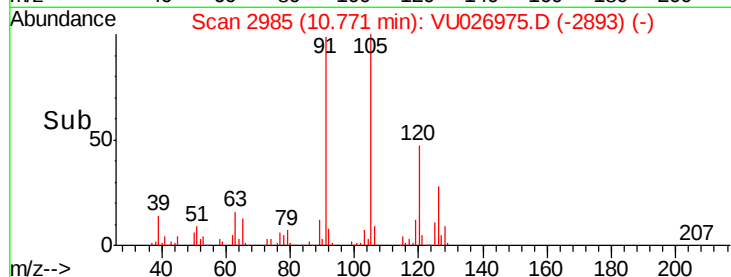
100000

50000

0

Time-->

10.70 10.80



#81

trans-1,4-Dichloro-2-butene

Concen: 45.869 ug/l m

RT: 10.51 min Scan# 2905

Delta R.T. 0.00 min

Lab File: VU026975.D

Acq: 21 Sep 2018 18:32

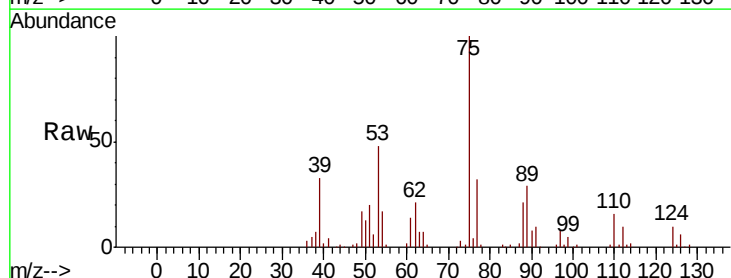
Tgt Ion: 75 Resp: 30321

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

80000

60000

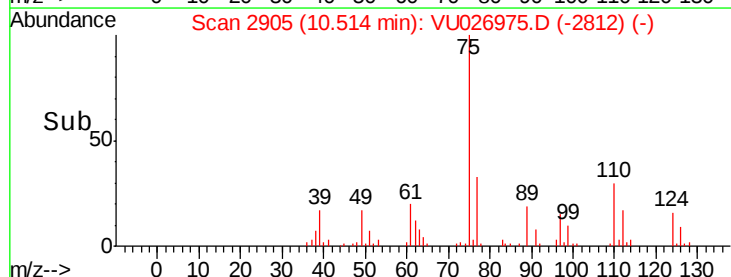
40000

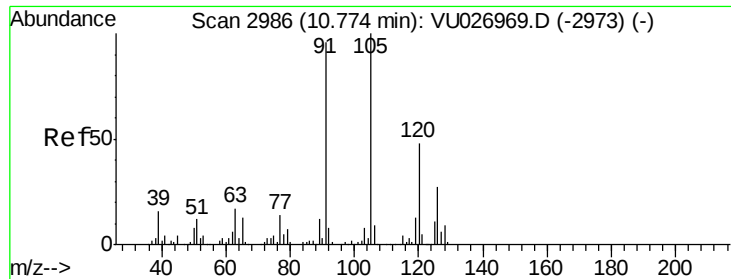
20000

0

Time-->

10.50 10.52 10.54 10.56





#82

4-Chlorotoluene

Concen: 54.928 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU026975.D

Acq: 21 Sep 2018 18:32

Instrument :

MSVOA\_U

ClientSampleId :

SA-PZ139I-20180911MS

Tot Ion: 91 Resp: 242464

Ion Ratio Lower Upper

91 100

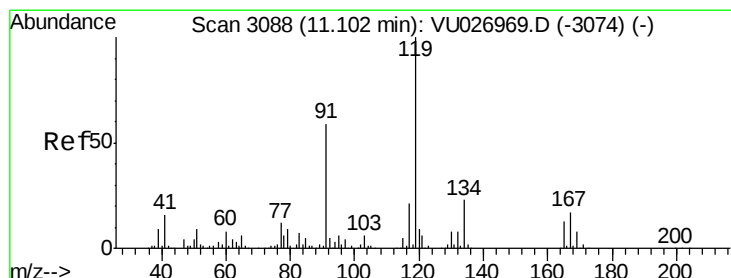
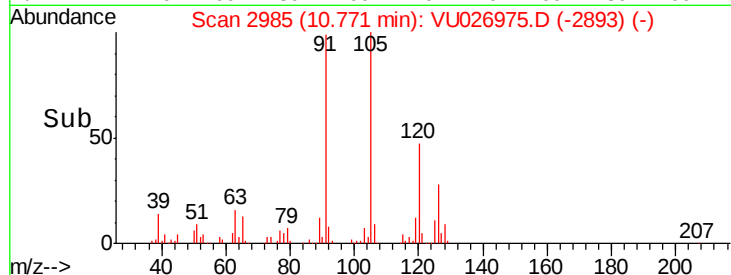
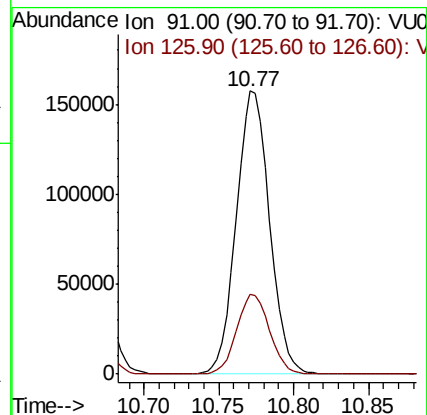
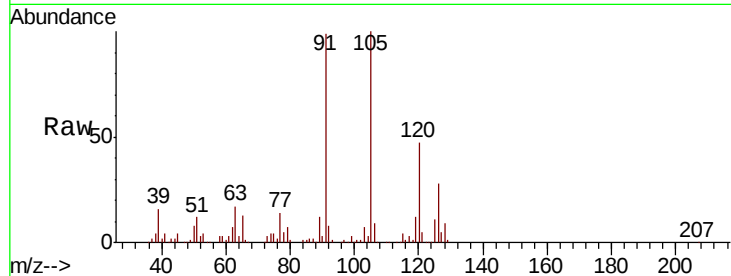
126 28.0 14.1 42.2

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#83

tert-Butylbenzene

Concen: 54.548 ug/l

RT: 11.10 min Scan# 3088

Delta R.T. 0.00 min

Lab File: VU026975.D

Acq: 21 Sep 2018 18:32

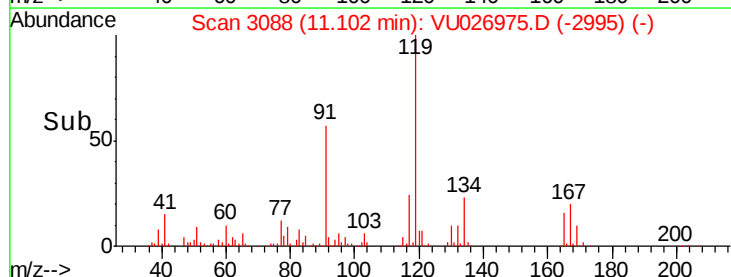
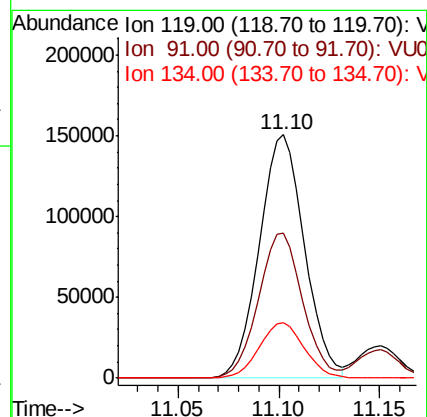
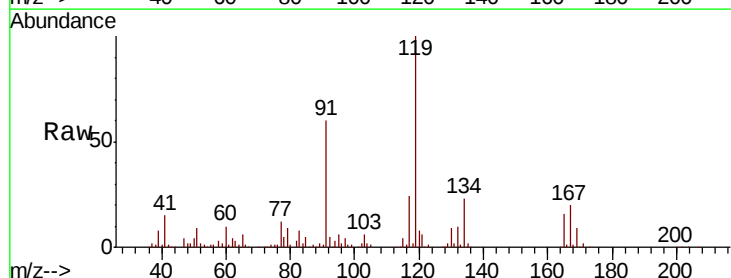
Tgt Ion: 119 Resp: 235803

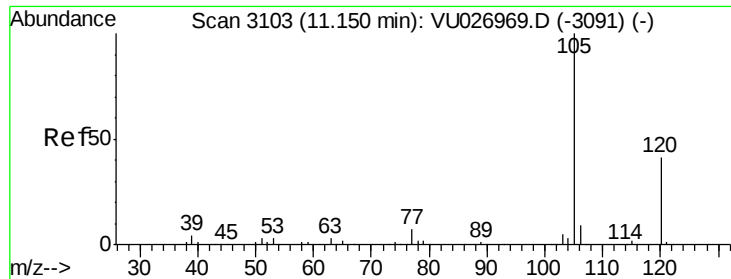
Ion Ratio Lower Upper

119 100

91 58.2 29.8 89.4

134 22.7 11.5 34.4





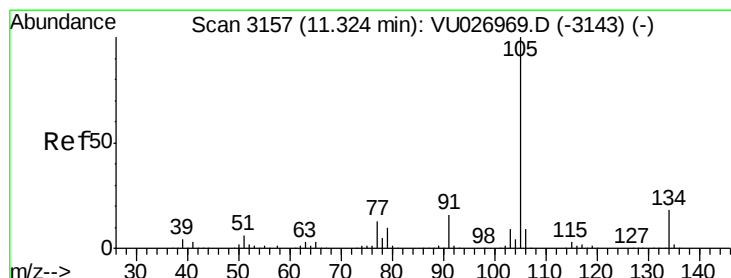
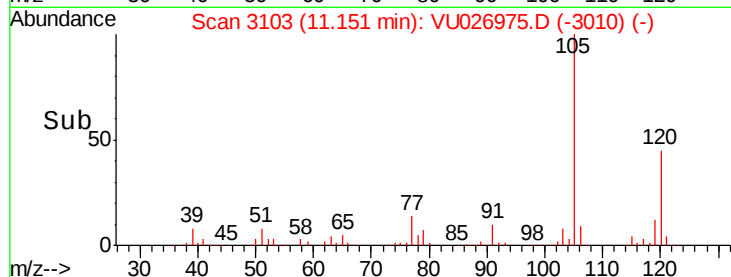
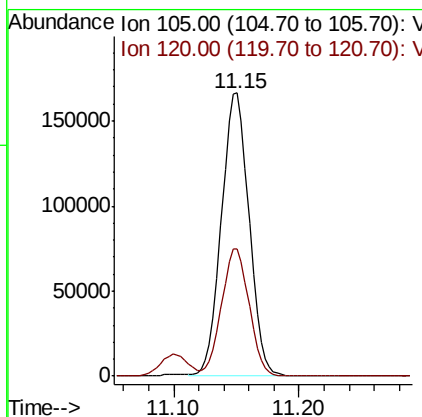
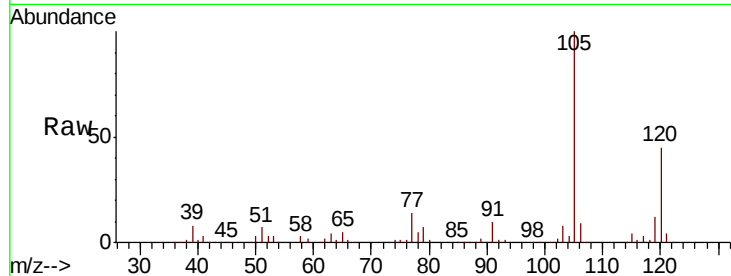
#84  
1,2,4-Trimethylbenzene  
Concen: 57.056 ug/l  
RT: 11.15 min Scan# 3103  
Delta R.T. 0.00 min  
Lab File: VU026975.D  
Acq: 21 Sep 2018 18:32

Instrument :  
MSVOA\_U  
ClientSampleId :  
SA-PZ139I-20180911MS

Tot Ion:105 Resp: 253889  
Ion Ratio Lower Upper  
105 100  
120 45.0 22.4 67.2

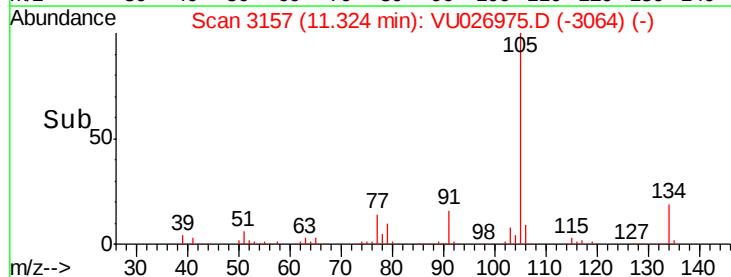
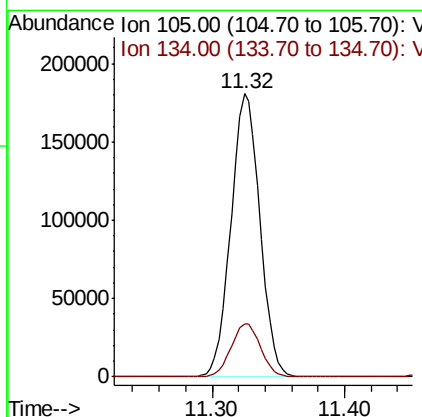
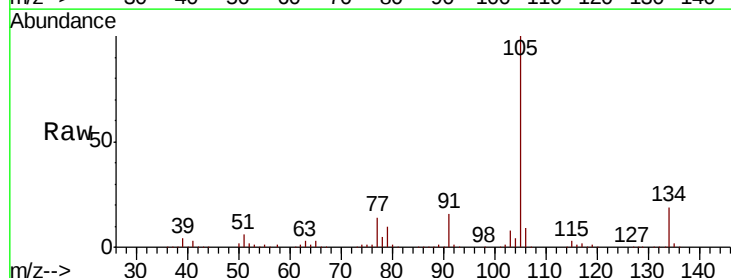
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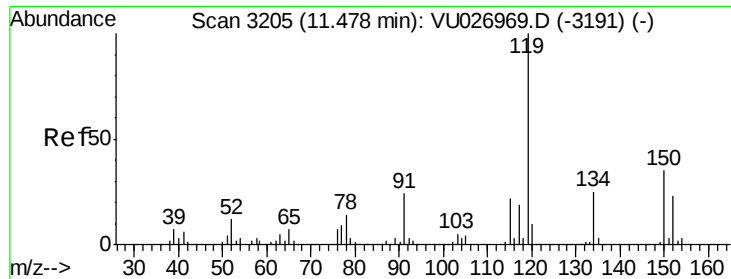
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#85  
sec-Butylbenzene  
Concen: 51.888 ug/l  
RT: 11.32 min Scan# 3157  
Delta R.T. 0.00 min  
Lab File: VU026975.D  
Acq: 21 Sep 2018 18:32

Tgt Ion:105 Resp: 273808  
Ion Ratio Lower Upper  
105 100  
134 19.0 9.4 28.2





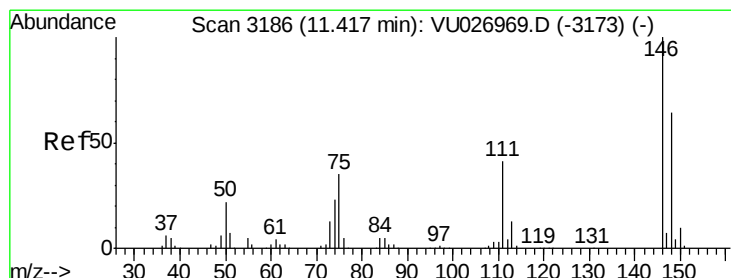
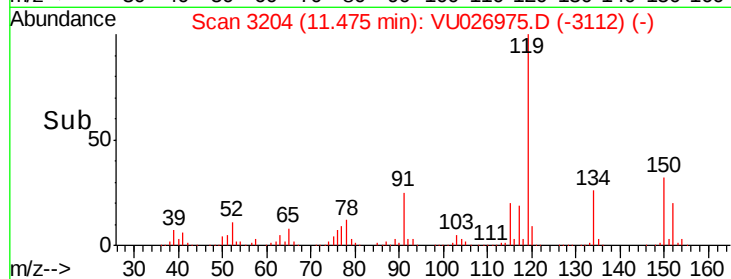
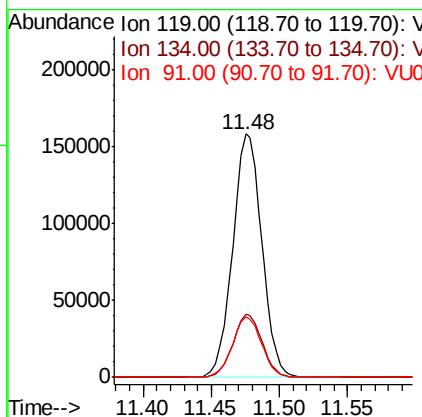
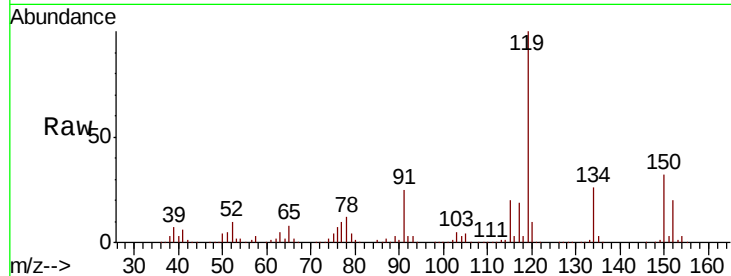
#86  
 p-Isopropyltoluene  
 Concen: 47.239 ug/l  
 RT: 11.48 min Scan# 3204  
 Delta R.T. -0.00 min  
 Lab File: VU026975.D  
 Acq: 21 Sep 2018 18:32

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 SA-PZ139I-20180911MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 119   | Resp: | 233648 |
| Ion Ratio | Lower | Upper |        |
| 119       | 100   |       |        |
| 134       | 26.0  | 12.8  | 38.3   |
| 91        | 25.0  | 12.3  | 36.8   |

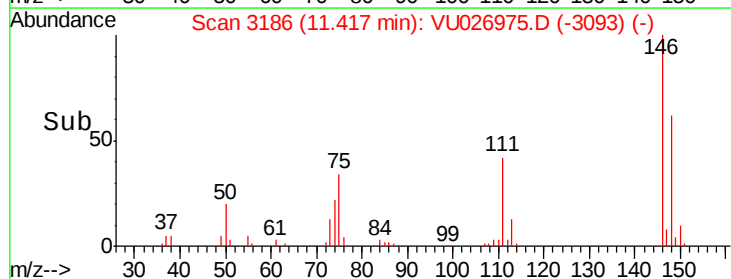
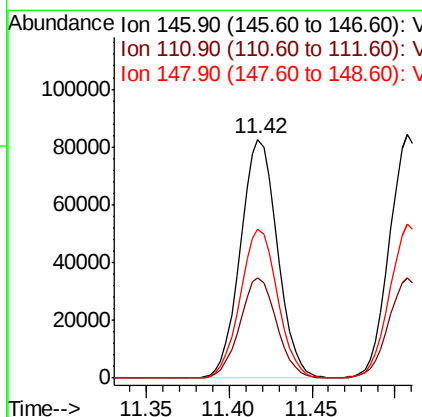
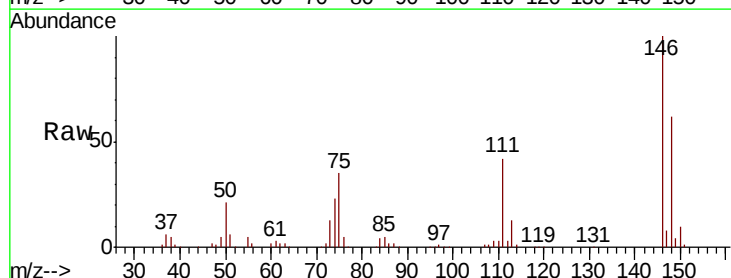
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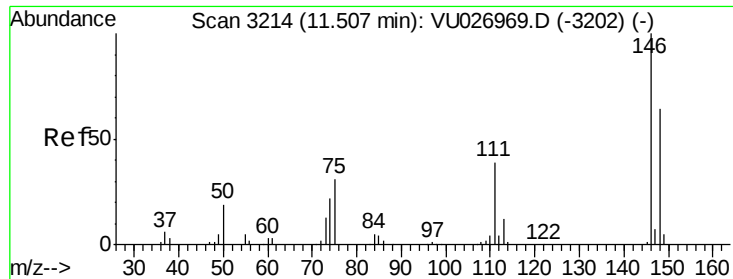
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#87  
 1,3-Dichlorobenzene  
 Concen: 53.218 ug/l  
 RT: 11.42 min Scan# 3186  
 Delta R.T. 0.00 min  
 Lab File: VU026975.D  
 Acq: 21 Sep 2018 18:32

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 128187 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 41.7  | 20.8  | 62.2   |
| 148       | 62.8  | 32.0  | 96.2   |





#88

1,4-Dichlorobenzene

Concen: 49.786 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU026975.D

Acq: 21 Sep 2018 18:32

Instrument :

MSVOA\_U

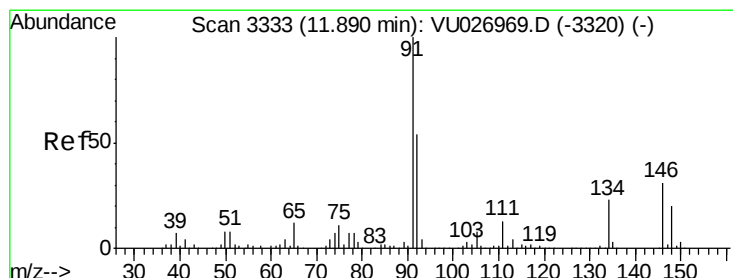
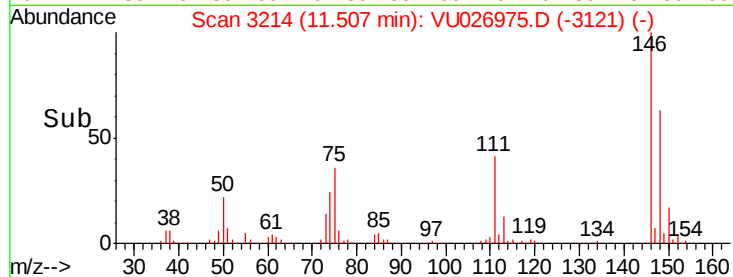
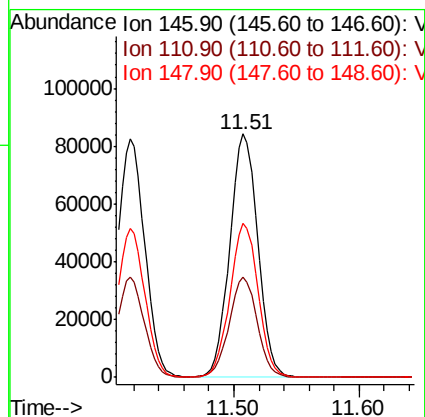
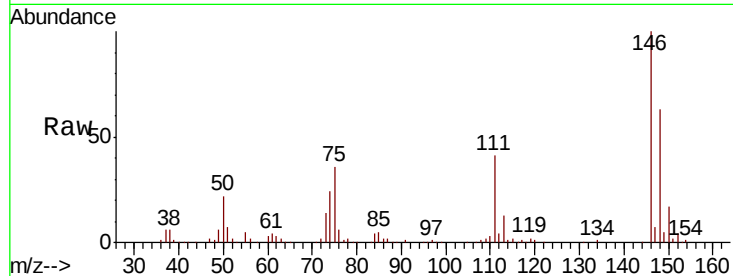
ClientSampleId :

SA-PZ139I-20180911MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 130699 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 41.2  | 20.3  | 60.9   |
| 148       | 63.5  | 31.9  | 95.9   |

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#89

n-Butylbenzene

Concen: 42.978 ug/l

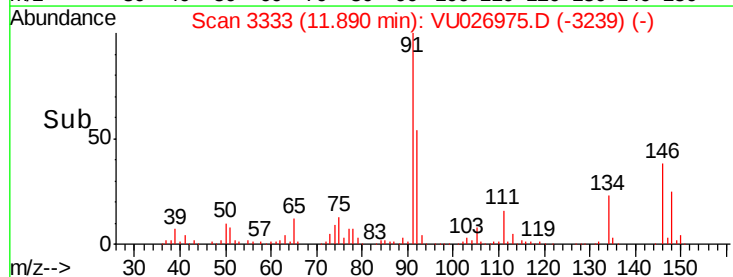
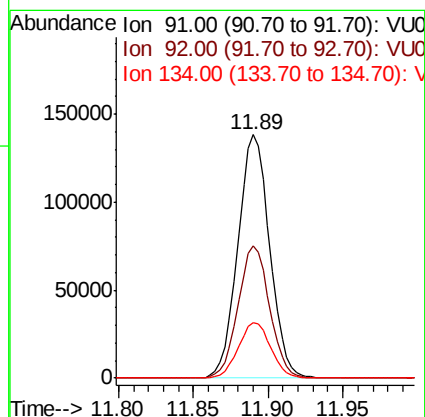
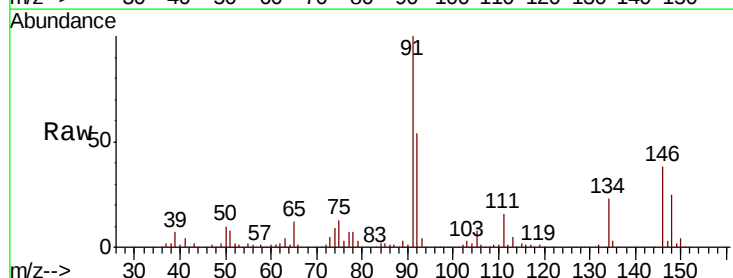
RT: 11.89 min Scan# 3333

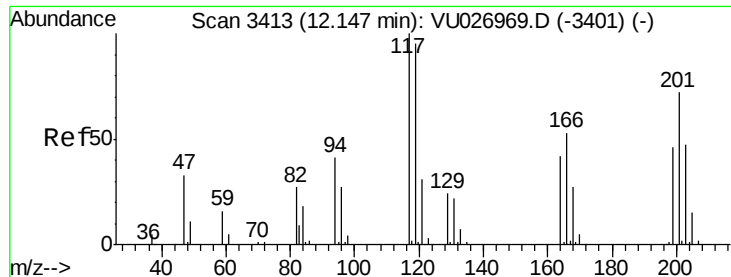
Delta R.T. 0.00 min

Lab File: VU026975.D

Acq: 21 Sep 2018 18:32

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 204595 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 92        | 53.9  | 27.1  | 81.2   |
| 134       | 23.2  | 11.7  | 35.0   |





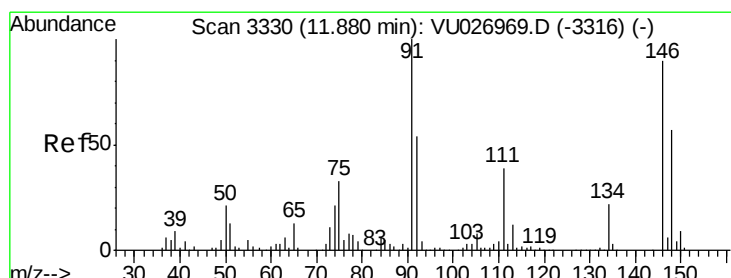
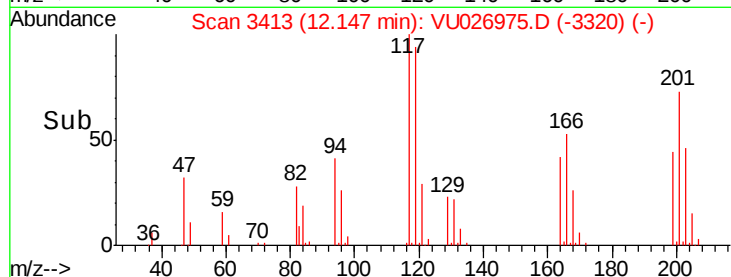
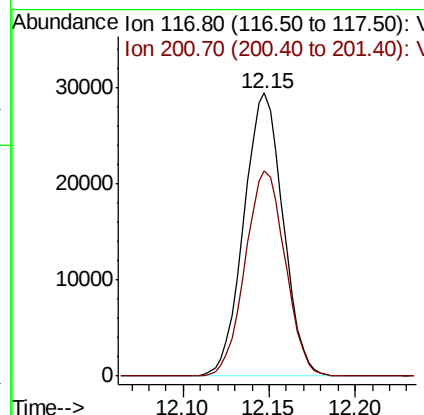
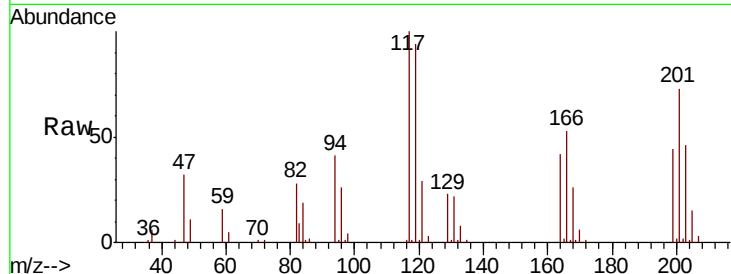
#90  
Hexachloroethane  
Concen: 48.812 ug/l  
RT: 12.15 min Scan# 3413  
Delta R.T. 0.00 min  
Lab File: VU026975.D  
Acq: 21 Sep 2018 18:32

Instrument :  
MSVOA\_U  
ClientSampleId :  
SA-PZ139I-20180911MS

Tot Ion:117 Resp: 46840  
Ion Ratio Lower Upper  
117 100  
201 73.9 36.8 110.3

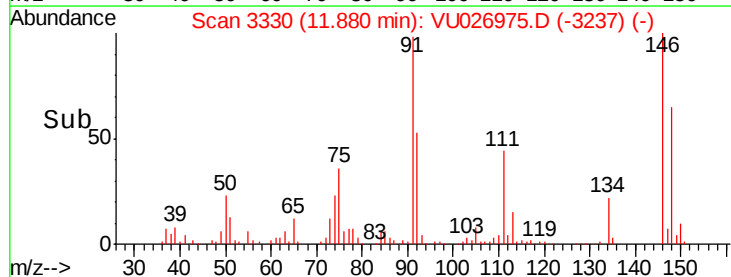
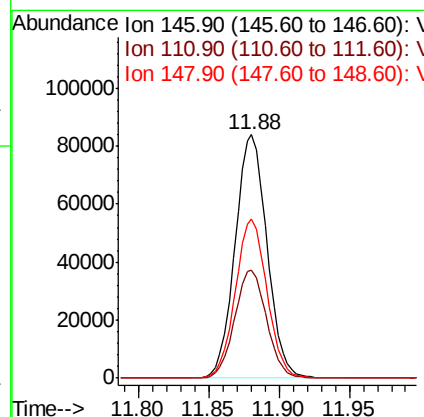
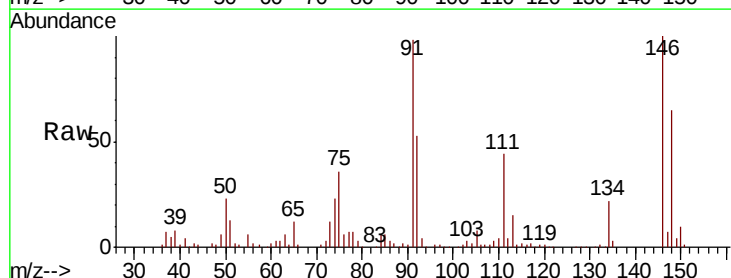
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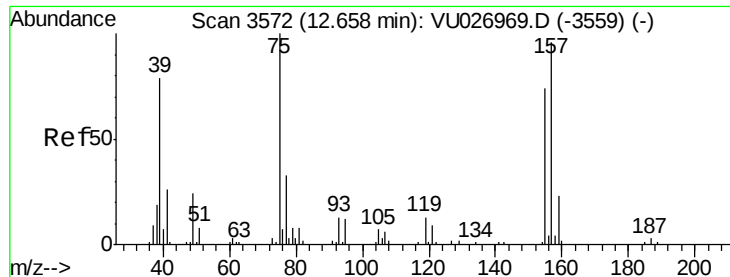
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#91  
1,2-Dichlorobenzene  
Concen: 51.915 ug/l  
RT: 11.88 min Scan# 3330  
Delta R.T. 0.00 min  
Lab File: VU026975.D  
Acq: 21 Sep 2018 18:32

Tgt Ion:146 Resp: 132832  
Ion Ratio Lower Upper  
146 100  
111 44.5 21.8 65.3  
148 64.8 31.9 95.7





#92

1,2-Dibromo-3-Chloropropane

Concen: 59.550 ug/l

RT: 12.66 min Scan# 3571

Delta R.T. -0.00 min

Lab File: VU026975.D

Acq: 21 Sep 2018 18:32

Instrument :

MSVOA\_U

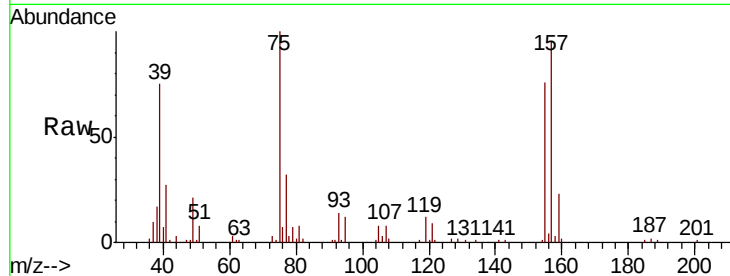
ClientSampleId :

SA-PZ139I-20180911MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 75    | Resp: | 29586 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 77.2  | 36.6  | 109.8 |
| 157       | 97.0  | 47.4  | 142.2 |

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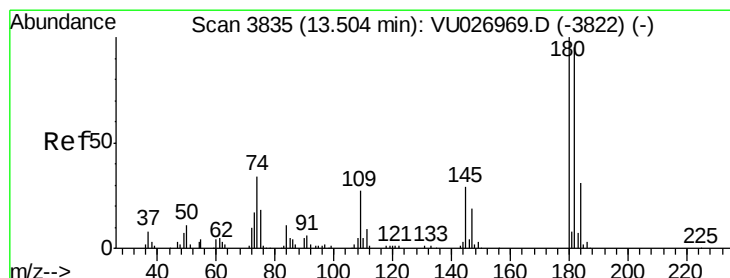
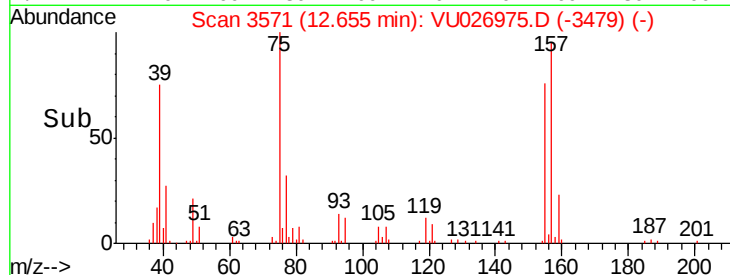
Abundance Ion 74.90 (74.60 to 75.60): VU026969.D (-3559) (-)

Ion 154.80 (154.50 to 155.50): VU026969.D (-3559) (-)

Ion 156.80 (156.50 to 157.50): VU026969.D (-3559) (-)

12.66

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 55.607 ug/l

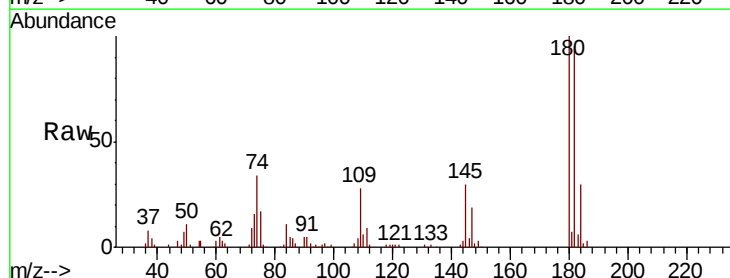
RT: 13.50 min Scan# 3835

Delta R.T. 0.00 min

Lab File: VU026975.D

Acq: 21 Sep 2018 18:32

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 81991 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 95.0  | 47.4  | 142.2 |
| 145       | 30.1  | 14.9  | 44.5  |



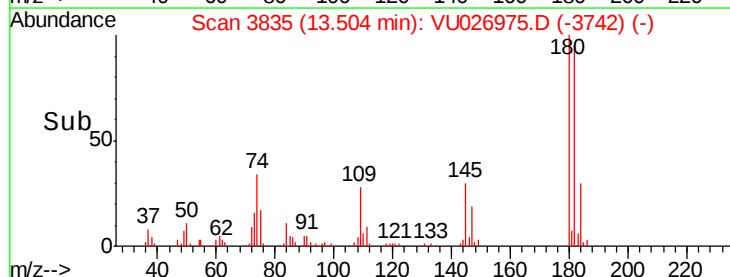
Abundance Ion 179.80 (179.50 to 180.50): VU026969.D (-3822) (-)

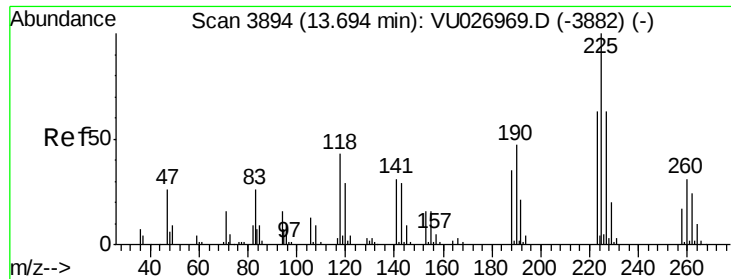
Ion 181.80 (181.50 to 182.50): VU026969.D (-3822) (-)

Ion 144.80 (144.50 to 145.50): VU026969.D (-3822) (-)

13.50

Time-->





#94

Hexachlorobutadiene

Concen: 41.827 ug/l

RT: 13.69 min Scan# 3894

Delta R.T. 0.00 min

Lab File: VU026975.D

Acq: 21 Sep 2018 18:32

Instrument :

MSVOA\_U

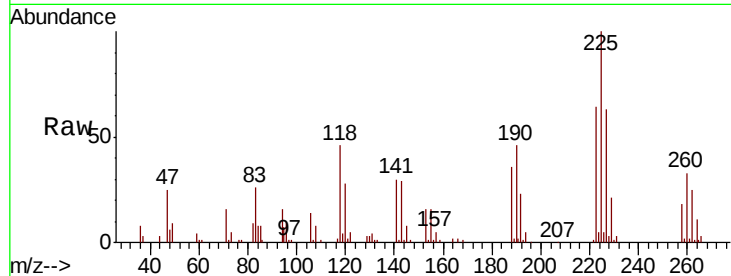
ClientSampleId :

SA-PZ139I-20180911MS

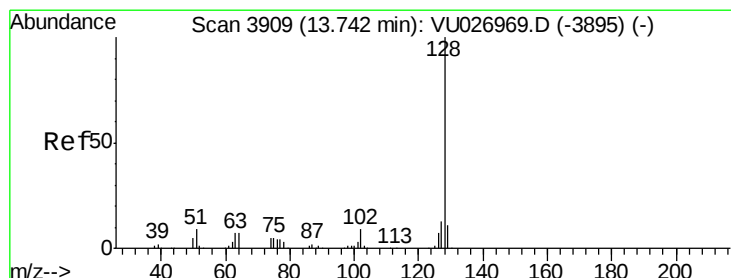
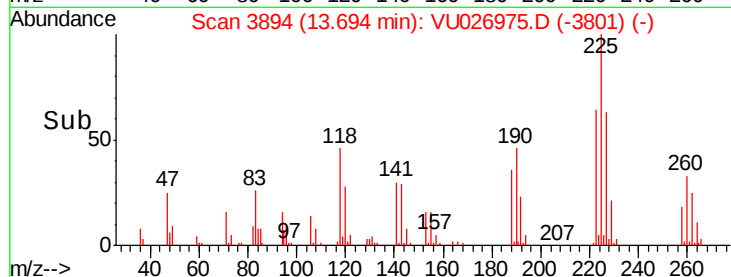
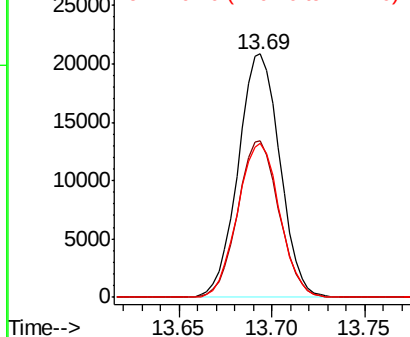
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 225   | Resp: | 32632 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 63.7  | 31.9  | 95.7  |
| 227       | 63.8  | 32.1  | 96.5  |

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Abundance Ion 224.70 (224.40 to 225.40): V  
Ion 222.70 (222.40 to 223.40): V  
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 56.288 ug/l

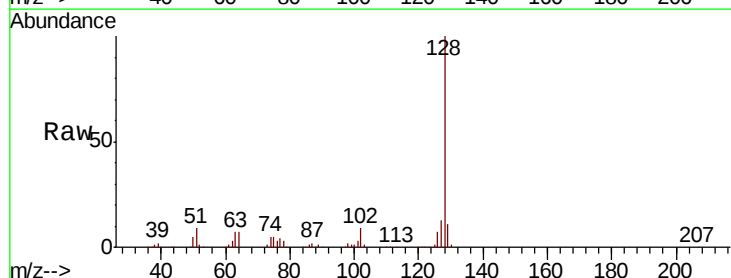
RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

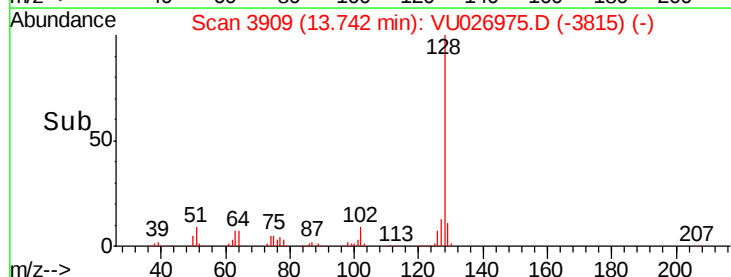
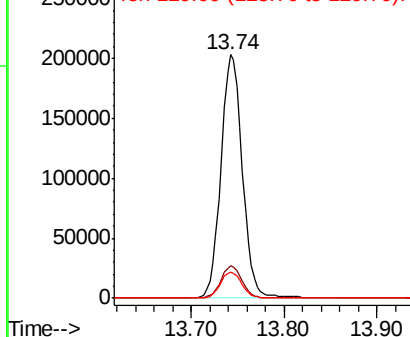
Lab File: VU026975.D

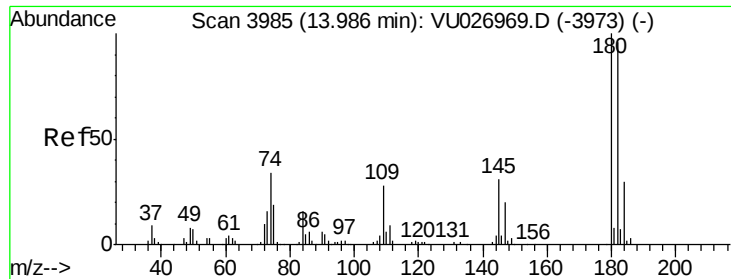
Acq: 21 Sep 2018 18:32

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 325763 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.2  | 10.6  | 15.8   |
| 129       | 10.7  | 8.6   | 12.8   |



Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V





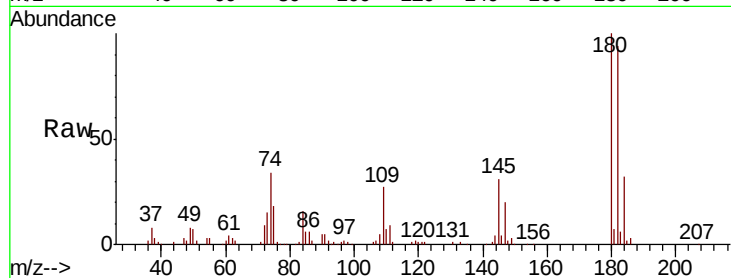
#96  
 1,2,3-Trichlorobenzene  
 Concen: 56.919 ug/l  
 RT: 13.99 min Scan# 3985  
 Delta R.T. 0.00 min  
 Lab File: VU026975.D  
 Acq: 21 Sep 2018 18:32

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 SA-PZ139I-20180911MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.1  | 47.5  | 142.5 |
| 145     | 31.6  | 15.4  | 46.4  |

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Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

