

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092618\  
 Data File : VU027161.D  
 Acq On : 26 Sep 2018 05:12  
 Operator : MD/SY  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 9/27/2018 3:33:17 PM

Quant Time: Sep 26 07:35:01 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      | 4.99  | 168  | 73399    | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.89  | 114  | 131201   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.09  | 117  | 128078   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 70652    | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 5.31   | 65  | 83589    | 56.58 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 113.16% |      |
| 35) Dibromofluoromethane  | 4.88   | 113 | 57499    | 50.56 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.12% |      |
| 50) Toluene-d8            | 7.57   | 98  | 219202   | 50.58 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.16% |      |
| 62) 4-Bromofluorobenzene  | 10.31  | 95  | 79571    | 53.50 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 107.00% |      |

## Target Compounds

|                               |      |     |        |         |      | Qvalue |
|-------------------------------|------|-----|--------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.21 | 85  | 44492  | 46.427  | ug/l | 100    |
| 3) Chloromethane              | 1.33 | 50  | 74832  | 45.291  | ug/l | 99     |
| 4) Vinyl Chloride             | 1.40 | 62  | 73956  | 47.952  | ug/l | 98     |
| 5) Bromomethane               | 1.62 | 94  | 29898  | 34.042  | ug/l | 96     |
| 6) Chloroethane               | 1.69 | 64  | 47645  | 48.349  | ug/l | 100    |
| 7) Trichlorofluoromethane     | 1.88 | 101 | 84244  | 48.093  | ug/l | 98     |
| 8) Diethyl Ether              | 2.10 | 74  | 41828  | 49.610  | ug/l | 92     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.29 | 101 | 50145  | 46.558  | ug/l | 98     |
| 10) Methyl Iodide             | 2.41 | 142 | 27653  | 20.701  | ug/l | 99     |
| 11) Tert butyl alcohol        | 2.83 | 59  | 83379  | 246.245 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 2.28 | 96  | 49260  | 48.592  | ug/l | 99     |
| 13) Acrolein                  | 2.20 | 56  | 37226  | 203.945 | ug/l | 99     |
| 14) Allyl chloride            | 2.59 | 41  | 104271 | 50.712  | ug/l | 99     |
| 15) Acrylonitrile             | 2.94 | 53  | 238608 | 279.594 | ug/l | 99     |
| 16) Acetone                   | 2.32 | 43  | 219757 | 282.182 | ug/l | 98     |
| 17) Carbon Disulfide          | 2.48 | 76  | 151071 | 45.745  | ug/l | 100    |
| 18) Methyl Acetate            | 2.61 | 43  | 97573  | 46.405  | ug/l | 98     |
| 19) Methyl tert-butyl Ether   | 3.00 | 73  | 210396 | 56.478  | ug/l | 99     |
| 20) Methylene Chloride        | 2.70 | 84  | 65593  | 49.578  | ug/l | 96     |
| 21) trans-1,2-Dichloroethene  | 2.98 | 96  | 54719  | 50.556  | ug/l | 98     |
| 22) Diisopropyl ether         | 3.57 | 45  | 260088 | 59.140  | ug/l | 97     |
| 23) Vinyl Acetate             | 3.53 | 43  | 821953 | 219.255 | ug/l | 98     |
| 24) 1,1-Dichloroethane        | 3.45 | 63  | 132633 | 54.758  | ug/l | 99     |
| 25) 2-Butanone                | 4.26 | 43  | 337253 | 271.653 | ug/l | 97     |
| 26) 2,2-Dichloropropane       | 4.23 | 77  | 45467  | 24.069  | ug/l | 93     |
| 27) cis-1,2-Dichloroethene    | 4.23 | 96  | 64088  | 52.431  | ug/l | 97     |
| 28) Bromochloromethane        | 4.55 | 49  | 71386  | 61.139  | ug/l | 92     |
| 29) Tetrahydrofuran           | 4.64 | 42  | 221338 | 294.718 | ug/l | 96     |
| 30) Chloroform                | 4.67 | 83  | 119056 | 52.952  | ug/l | 100    |
| 31) Cyclohexane               | 5.00 | 56  | 113037 | 51.354  | ug/l | 95     |
| 32) 1,1,1-Trichloroethane     | 4.92 | 97  | 95953  | 53.452  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 5.14 | 75  | 84732  | 48.390  | ug/l | 98     |
| 37) Ethyl Acetate             | 4.38 | 43  | 99937  | 42.160  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 5.14 | 117 | 80179  | 48.117  | ug/l | 97     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleID :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 9/27/2018 3:33:17 PM

Quant Time: Sep 26 07:35:01 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   | 91636    | 48.157  | ug/l   | 98       |
| 40) Benzene                    | 5.39  | 78   | 263203   | 49.446  | ug/l   | 100      |
| 41) Methacrylonitrile          | 4.54  | 41   | 72116    | 58.580  | ug/l   | 96       |
| 42) 1,2-Dichloroethane         | 5.40  | 62   | 105148   | 52.283  | ug/l   | 98       |
| 43) Isopropyl Acetate          | 5.55  | 43   | 165404   | 47.846  | ug/l   | 98       |
| 44) Trichloroethene            | 6.19  | 130  | 53843    | 47.513  | ug/l   | 96       |
| 45) 1,2-Dichloropropane        | 6.43  | 63   | 79582    | 52.469  | ug/l   | 97       |
| 46) Dibromomethane             | 6.56  | 93   | 45997    | 50.214  | ug/l   | 97       |
| 47) Bromodichloromethane       | 6.76  | 83   | 92818    | 50.111  | ug/l   | 99       |
| 48) Methyl methacrylate        | 6.62  | 41   | 98431    | 52.267  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 6.61  | 88   | 30613    | 818.937 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone       | 7.46  | 43   | 658481   | 283.214 | ug/l   | 98       |
| 52) Toluene                    | 7.64  | 92   | 155402   | 50.931  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene      | 7.88  | 75   | 92250    | 46.355  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 7.27  | 75   | 97119    | 44.384  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 8.07  | 97   | 66046    | 51.085  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 8.02  | 69   | 109645   | 48.927  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 8.24  | 76   | 126601   | 52.649  | ug/l   | 99       |
| 59) 2-Hexanone                 | 8.36  | 43   | 496952   | 273.053 | ug/l   | 98       |
| 60) Dibromochloromethane       | 8.48  | 129  | 65286    | 51.481  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 8.59  | 107  | 67984    | 50.539  | ug/l   | 97       |
| 64) Tetrachloroethene          | 8.23  | 164  | 44688    | 45.280  | ug/l   | 97       |
| 65) Chlorobenzene              | 9.12  | 112  | 158985   | 46.815  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 9.21  | 131  | 59627    | 50.976  | ug/l   | 98       |
| 67) Ethyl Benzene              | 9.25  | 91   | 290742   | 52.064  | ug/l   | 99       |
| 68) m/p-Xylenes                | 9.38  | 106  | 215983   | 95.568  | ug/l   | 98       |
| 69) o-Xylene                   | 9.78  | 106  | 104377   | 52.753  | ug/l   | 97       |
| 70) Styrene                    | 9.79  | 104  | 175519   | 47.600  | ug/l   | 99       |
| 71) Bromoform                  | 9.96  | 173  | 46372    | 51.266  | ug/l # | 100      |
| 73) Isopropylbenzene           | 10.17 | 105  | 281355   | 52.351  | ug/l   | 99       |
| 74) N-amyl acetate             | 10.02 | 43   | 128421   | 41.280  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 10.46 | 83   | 115574   | 46.772  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 10.49 | 75   | 101900m  | 47.475  | ug/l   |          |
| 77) Bromobenzene               | 10.45 | 156  | 63576    | 48.408  | ug/l   | 93       |
| 78) n-propylbenzene            | 10.59 | 91   | 338157   | 53.176  | ug/l   | 98       |
| 79) 2-Chlorotoluene            | 10.66 | 91   | 202782   | 50.767  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 10.77 | 105  | 234924   | 52.953  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 10.51 | 75   | 22960m   | 34.232  | ug/l   |          |
| 82) 4-Chlorotoluene            | 10.77 | 91   | 233259   | 52.080  | ug/l   | 97       |
| 83) tert-Butylbenzene          | 11.10 | 119  | 225087   | 51.318  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 11.15 | 105  | 240330   | 53.230  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 11.32 | 105  | 280522   | 52.393  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 11.48 | 119  | 236565   | 47.141  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 11.42 | 146  | 115635   | 47.314  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 11.51 | 146  | 116658   | 43.797  | ug/l   | 98       |
| 89) n-Butylbenzene             | 11.89 | 91   | 214154   | 44.261  | ug/l   | 99       |
| 90) Hexachloroethane           | 12.15 | 117  | 45431    | 46.661  | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene        | 11.88 | 146  | 119225   | 45.925  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.66 | 75   | 25637    | 50.857  | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene     | 13.50 | 180  | 72953    | 48.764  | ug/l   | 99       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092618\  
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Operator : MD/SY  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 42 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

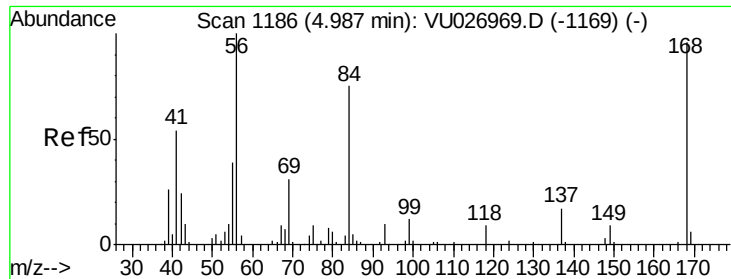
MMDadoda  
9/27/2018 3:33:17 PM

Quant Time: Sep 26 07:35:01 2018  
Quant Method : Z:\V0ASRV\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) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 94) Hexachlorobutadiene    | 13.69 | 225  | 34816    | 43.983 | ug/l  | 100      |
| 95) Naphthalene            | 13.74 | 128  | 271600   | 46.553 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 13.99 | 180  | 78896    | 49.177 | ug/l  | 98       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027161.D

Acq: 26 Sep 2018 05:12

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 73399

Ion Ratio Lower Upper

168 100

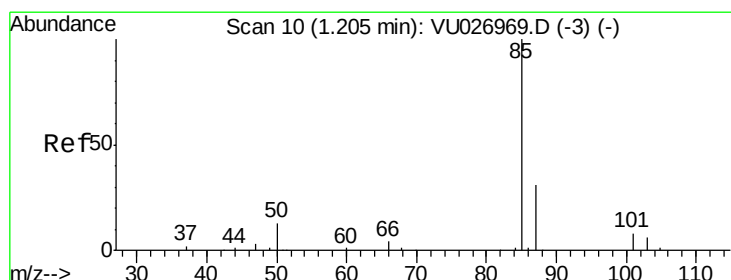
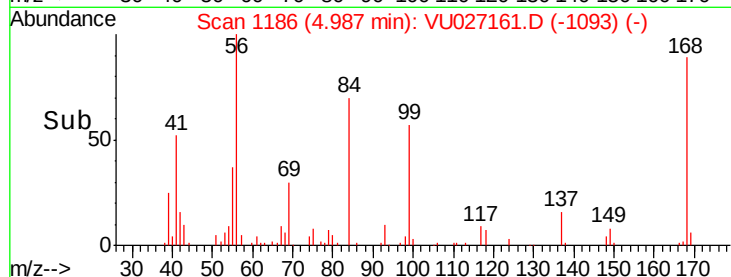
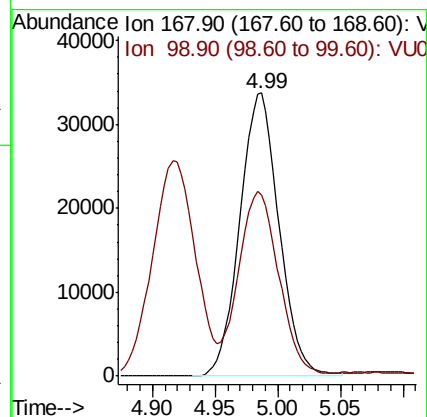
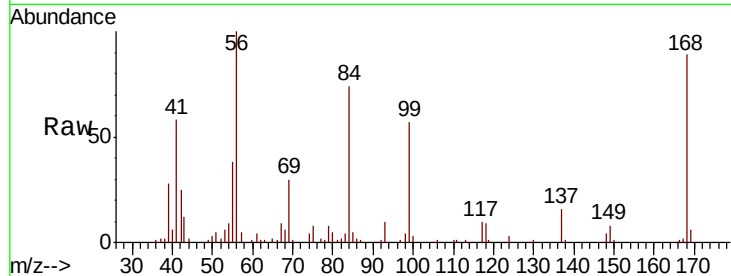
99 62.8 48.1 72.1

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 46.427 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027161.D

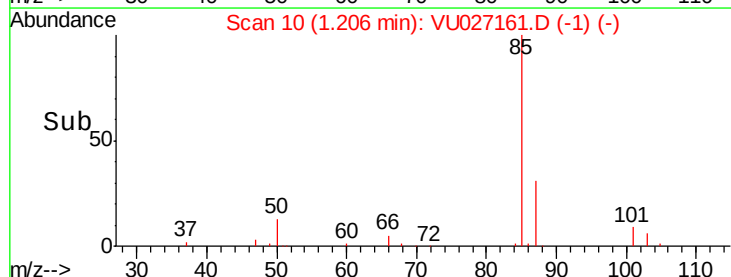
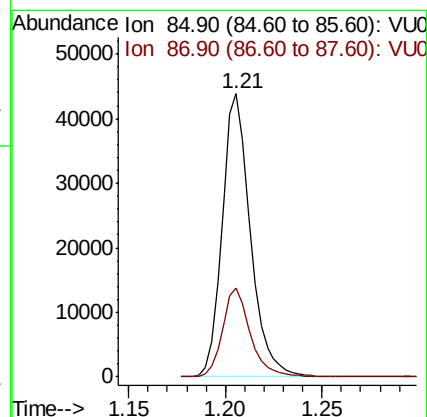
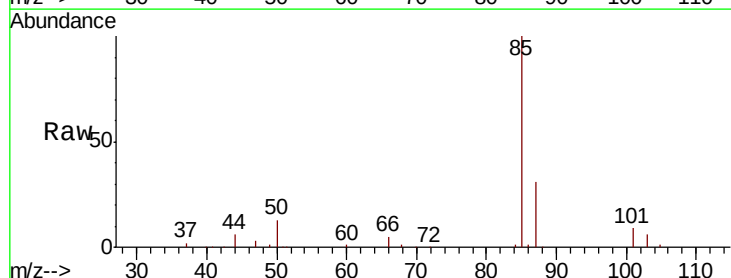
Acq: 26 Sep 2018 05:12

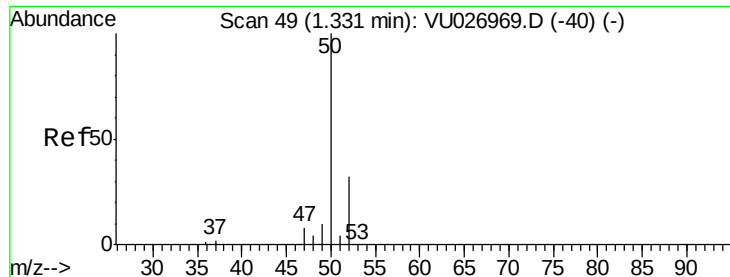
Tgt Ion: 85 Resp: 44492

Ion Ratio Lower Upper

85 100

87 31.2 15.6 46.7





#3

Chloromethane

Concen: 45.291 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027161.D

Acq: 26 Sep 2018 05:12

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 74832

Ion Ratio Lower Upper

50 100

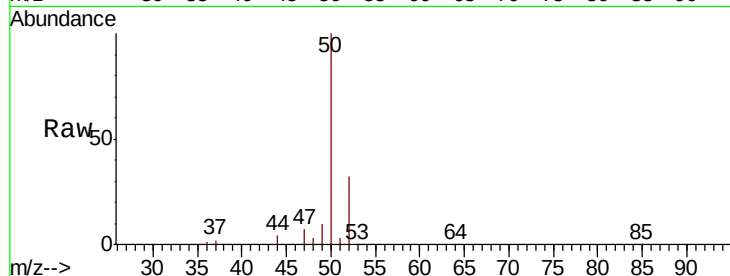
52 31.9 25.9 38.9

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0

1.33

80000

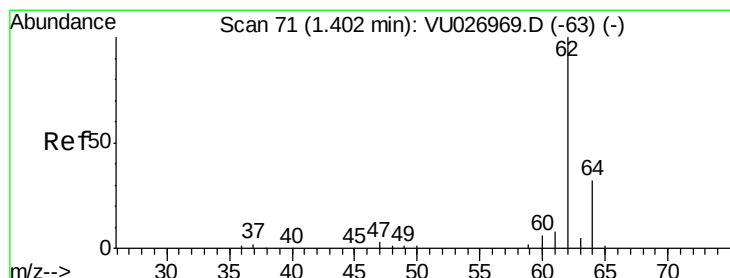
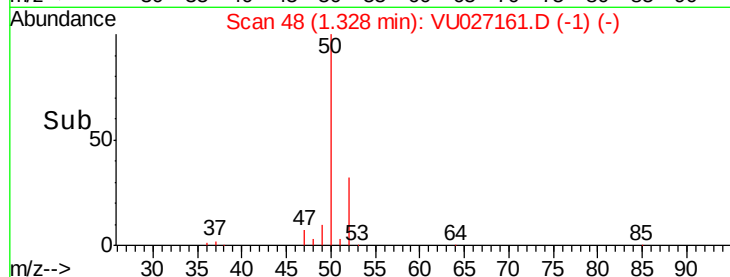
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 47.952 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027161.D

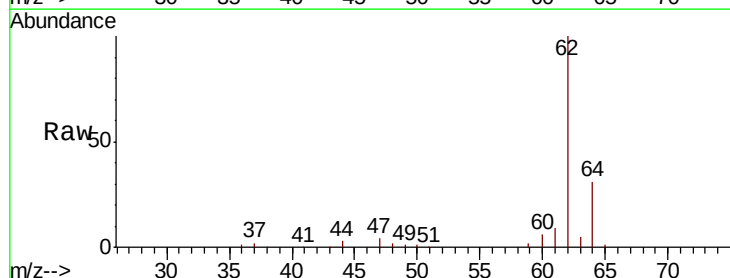
Acq: 26 Sep 2018 05:12

Tgt Ion: 62 Resp: 73956

Ion Ratio Lower Upper

62 100

64 31.0 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

1.40

80000

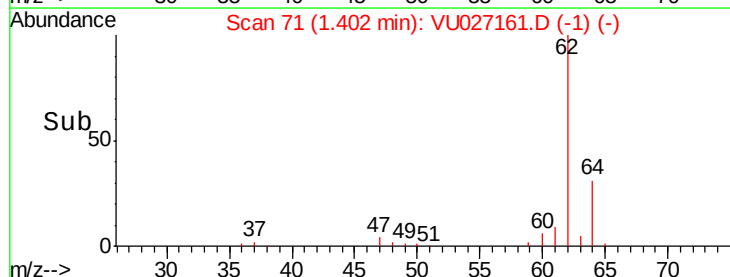
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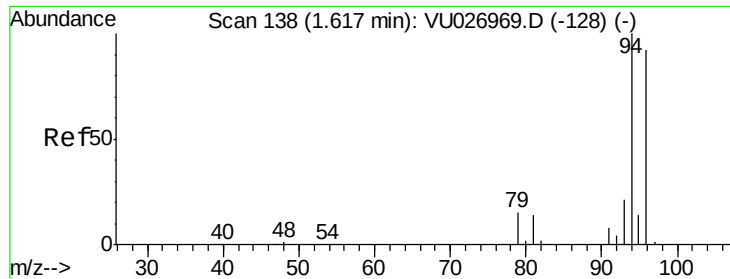
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20000

0

Time-->





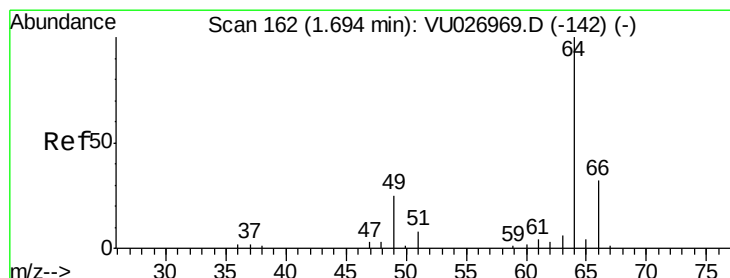
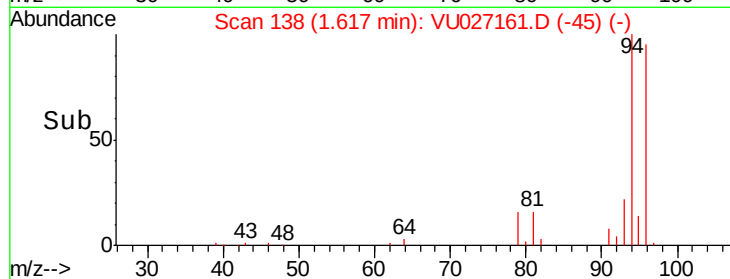
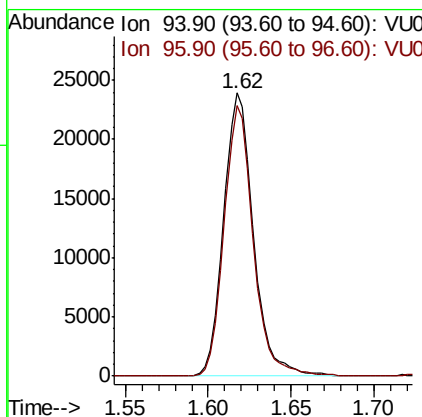
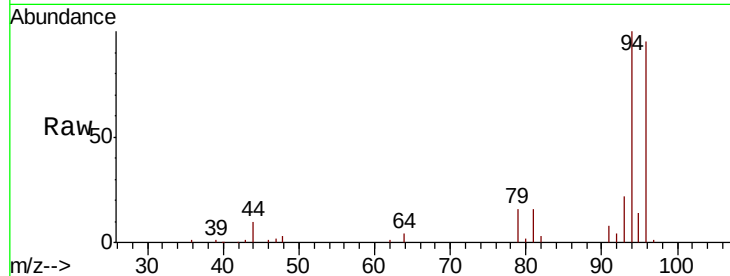
#5  
Bromomethane  
Concen: 34.042 ug/l  
RT: 1.62 min Scan# 138  
Delta R.T. 0.00 min  
Lab File: VU027161.D  
Acq: 26 Sep 2018 05:12

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 94 Resp: 29898  
Ion Ratio Lower Upper  
94 100  
96 95.5 73.2 109.8

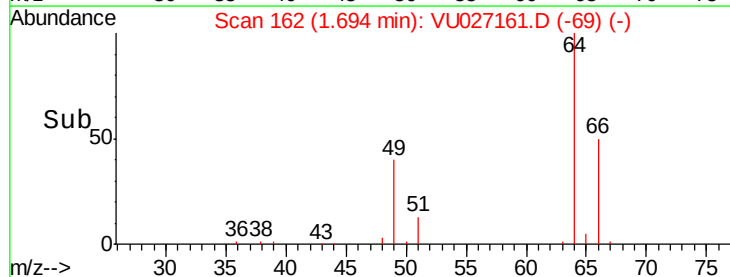
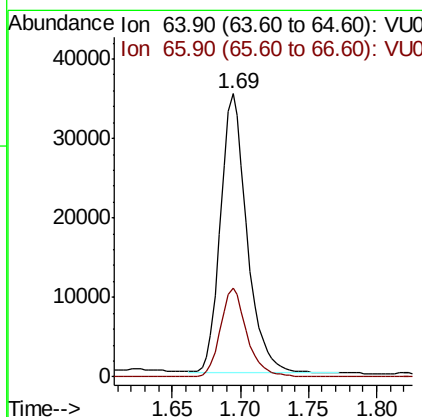
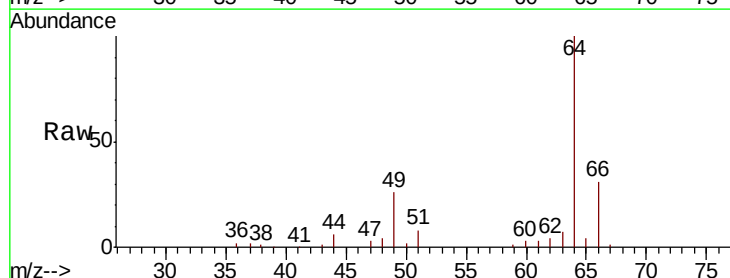
Manual Integrations  
APPROVED

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9/27/2018 3:33:17 PM

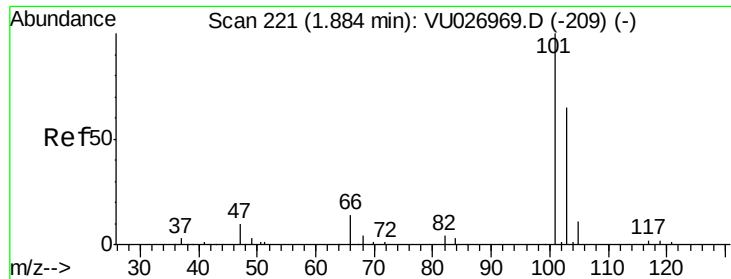


#6  
Chloroethane  
Concen: 48.349 ug/l  
RT: 1.69 min Scan# 162  
Delta R.T. 0.00 min  
Lab File: VU027161.D  
Acq: 26 Sep 2018 05:12

Tgt Ion: 64 Resp: 47645  
Ion Ratio Lower Upper  
64 100  
66 31.7 25.3 37.9







#7

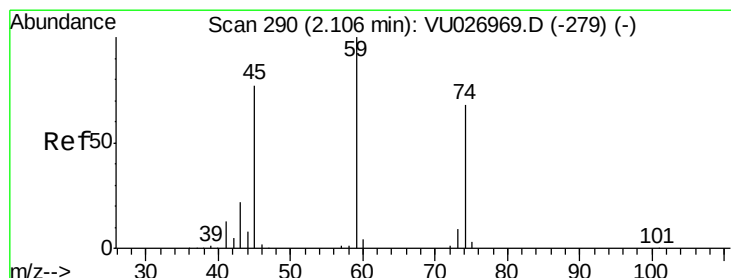
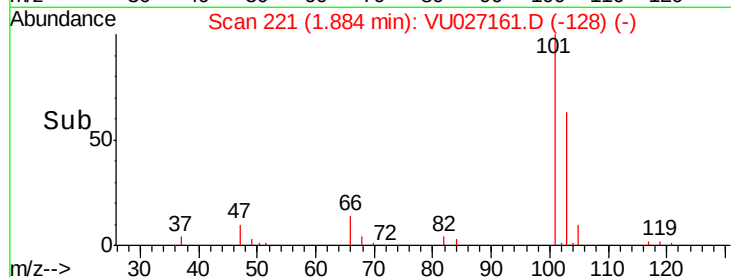
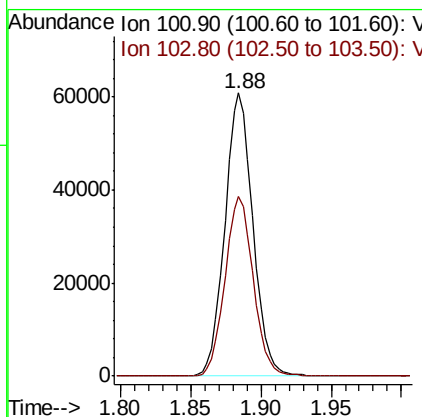
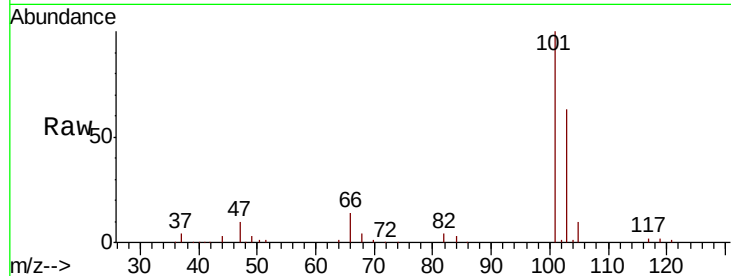
Trichlorofluoromethane  
 Concen: 48.093 ug/l  
 RT: 1.88 min Scan# 221  
 Delta R.T. 0.00 min  
 Lab File: VU027161.D  
 Acq: 26 Sep 2018 05:12

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion:101 Resp: 84244  
 Ion Ratio Lower Upper  
 101 100  
 103 63.4 52.2 78.2

Manual Integrations  
 APPROVED

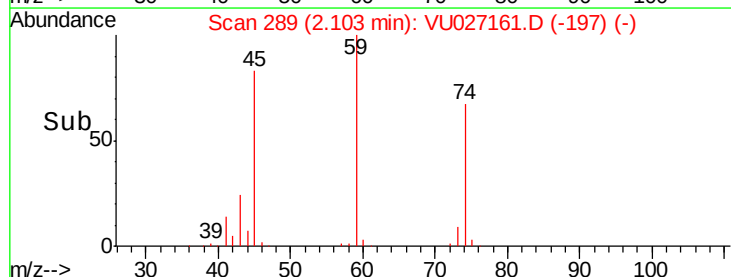
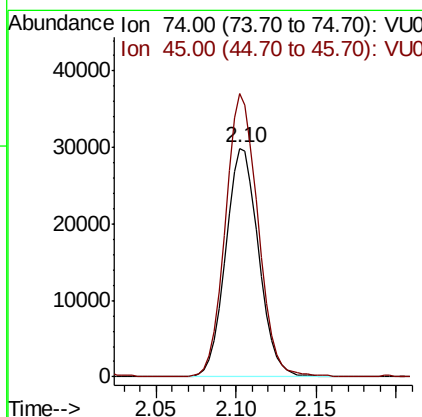
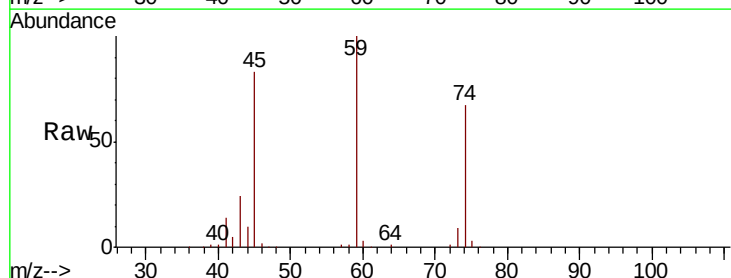
MMDadoda  
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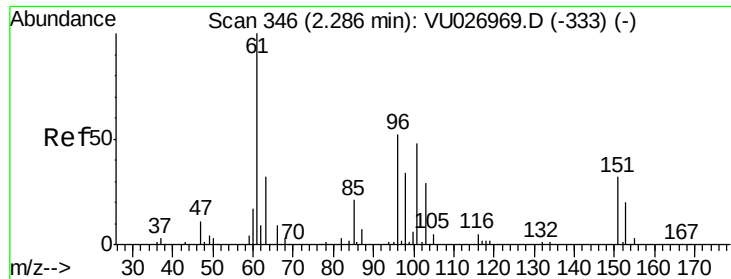
#8

Diethyl Ether  
 Concen: 49.610 ug/l  
 RT: 2.10 min Scan# 289  
 Delta R.T. -0.00 min  
 Lab File: VU027161.D  
 Acq: 26 Sep 2018 05:12

Tgt Ion: 74 Resp: 41828  
 Ion Ratio Lower Upper  
 74 100  
 45 122.9 56.9 170.7







#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.558 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027161.D

Acq: 26 Sep 2018 05:12

Instrument :

MSVOA\_U

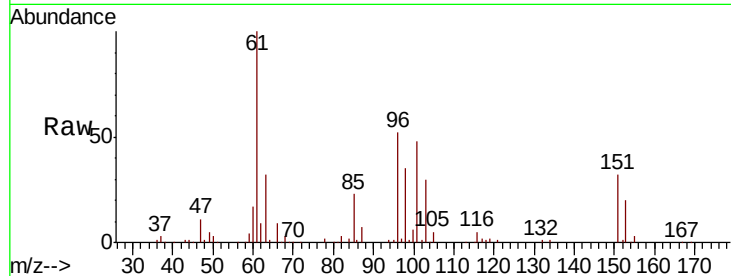
ClientSampleId :

VSTDCCC050EC

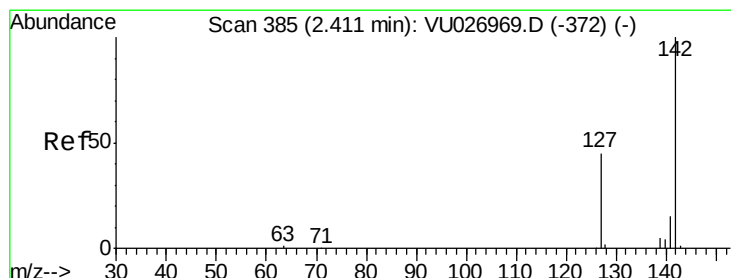
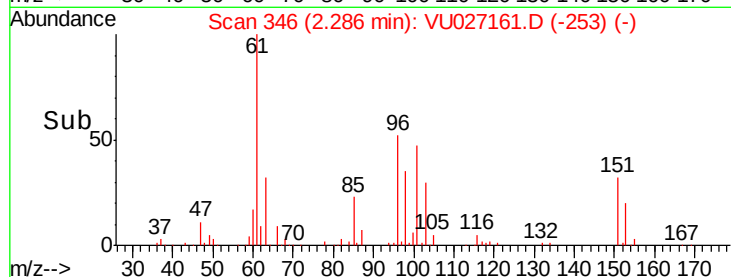
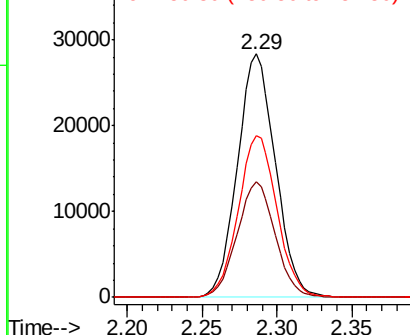
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 50145 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 47.4  | 36.2  | 54.2  |
| 151       | 67.6  | 54.5  | 81.7  |

Manual Integrations  
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Abundance Ion 100.90 (100.60 to 101.60): V  
Ion 84.90 (84.60 to 85.60): V  
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.701 ug/l

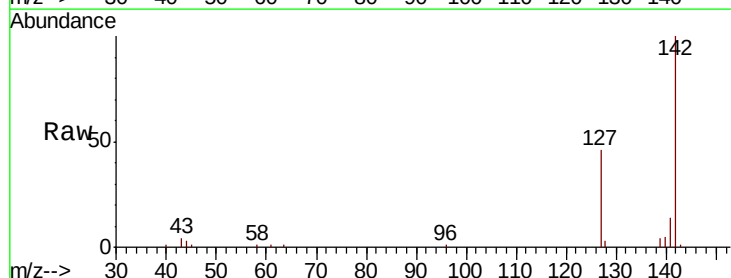
RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

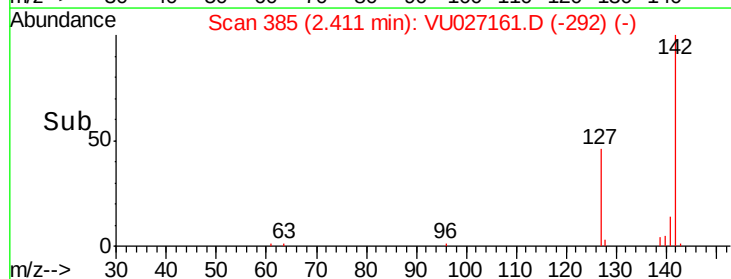
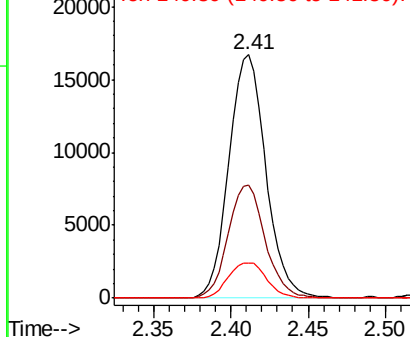
Lab File: VU027161.D

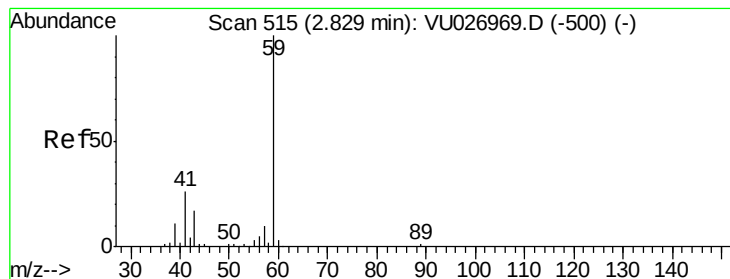
Acq: 26 Sep 2018 05:12

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 27653 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 46.4  | 36.7  | 55.1  |
| 141       | 15.0  | 11.8  | 17.6  |



Abundance Ion 141.80 (141.50 to 142.50): V  
Ion 126.80 (126.50 to 127.50): V  
Ion 140.80 (140.50 to 141.50): V





#11

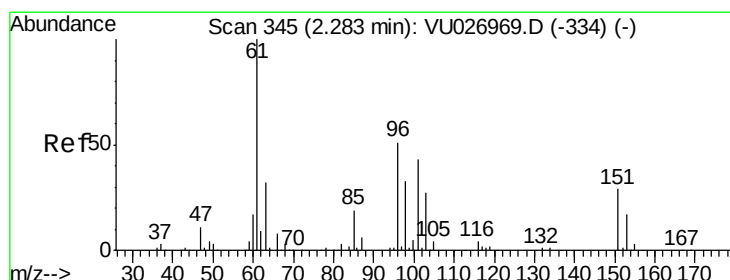
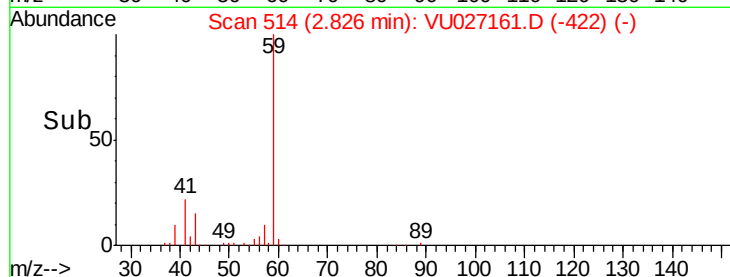
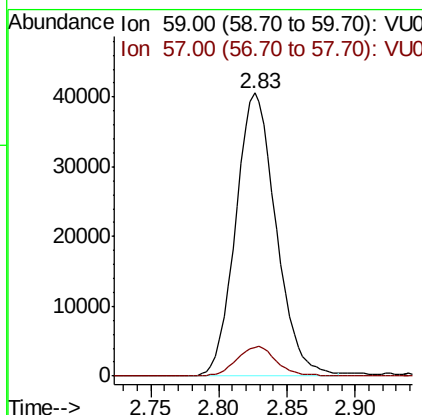
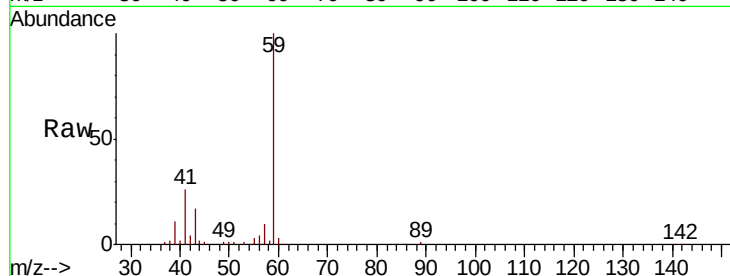
Tert butyl alcohol  
Concen: 246.245 ug/l  
RT: 2.83 min Scan# 514  
Delta R.T. -0.00 min  
Lab File: VU027161.D  
Acq: 26 Sep 2018 05:12

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion   | 59   | Resp  | 83379 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 57        | 10.3 | 8.5   | 12.7  |

Manual Integrations  
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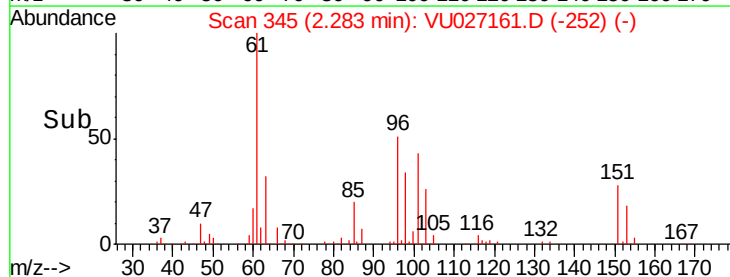
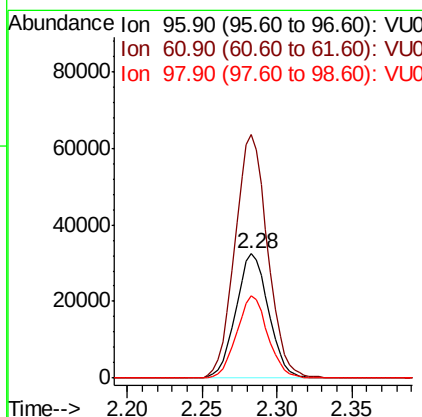
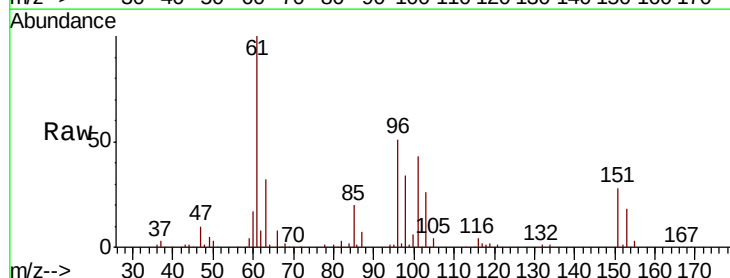
MMDadoda  
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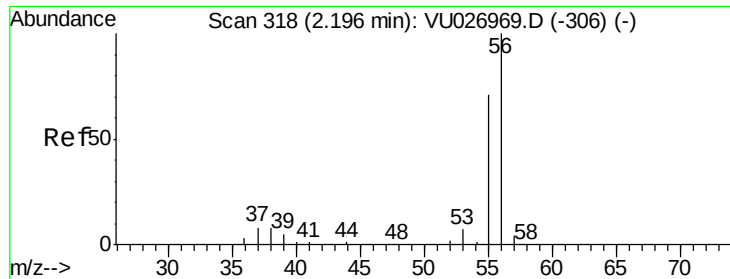


#12

1,1-Dichloroethene  
Concen: 48.592 ug/l  
RT: 2.28 min Scan# 345  
Delta R.T. 0.00 min  
Lab File: VU027161.D  
Acq: 26 Sep 2018 05:12

| Tgt Ion   | 96    | Resp  | 49260 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 61        | 196.1 | 156.1 | 234.1 |
| 98        | 66.3  | 51.4  | 77.0  |





#13

Acrolein

Concen: 203.945 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU027161.D

Acq: 26 Sep 2018 05:12

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 37226

Ion Ratio Lower Upper

56 100

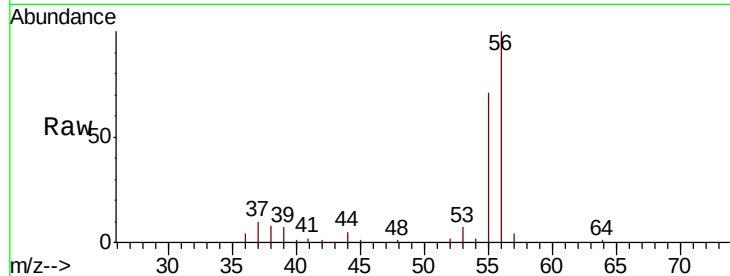
55 72.0 57.1 85.7

Manual Integrations

APPROVED

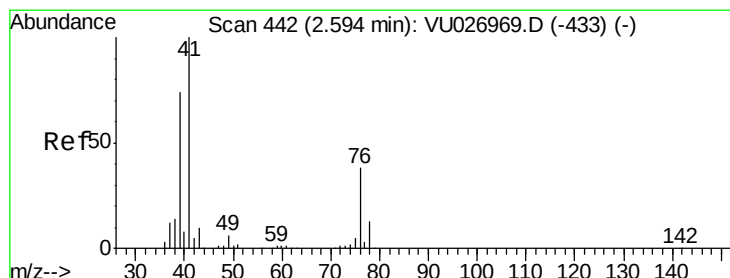
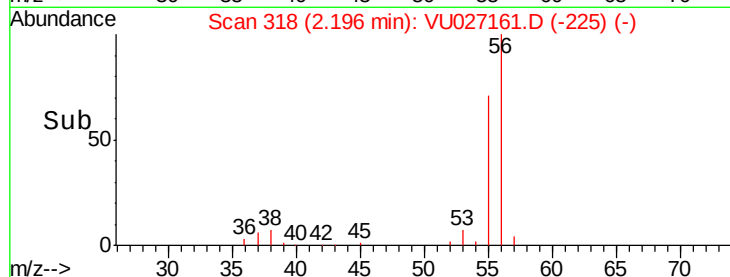
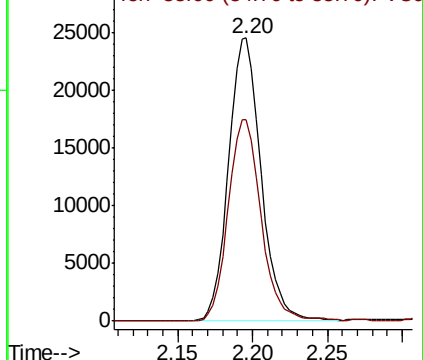
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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 50.712 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU027161.D

Acq: 26 Sep 2018 05:12

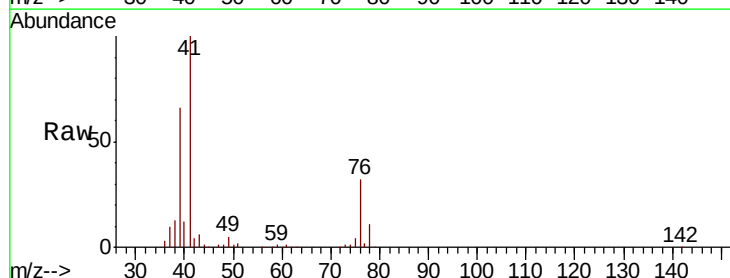
Tgt Ion: 41 Resp: 104271

Ion Ratio Lower Upper

41 100

39 68.5 55.7 83.5

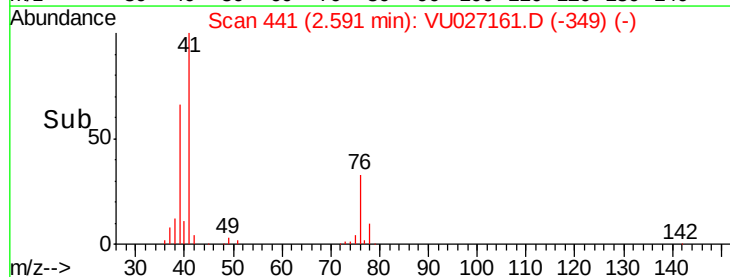
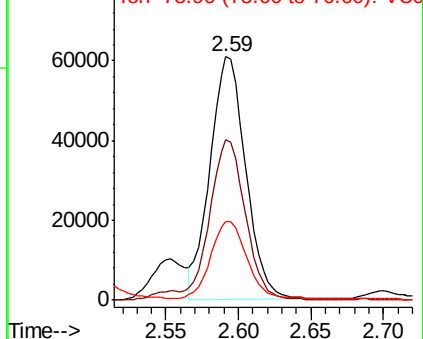
76 32.2 26.5 39.7

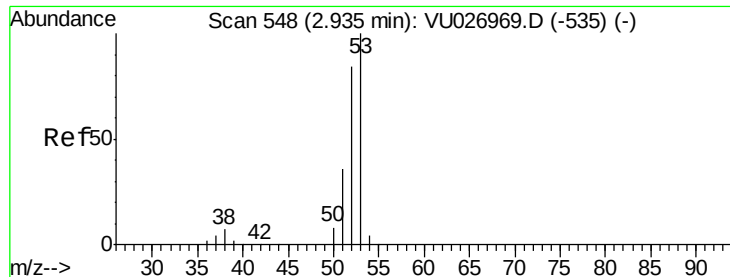


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 279.594 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU027161.D

Acq: 26 Sep 2018 05:12

Instrument :

MSVOA\_U

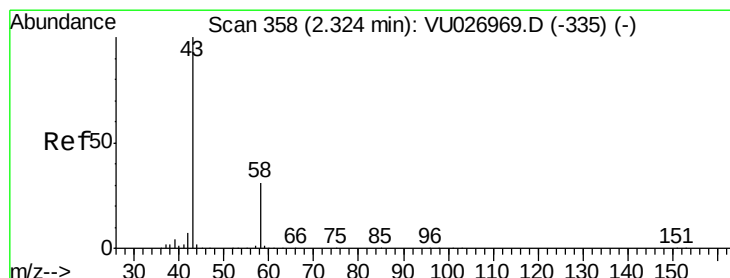
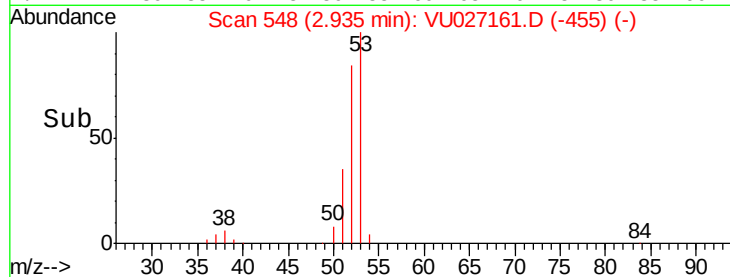
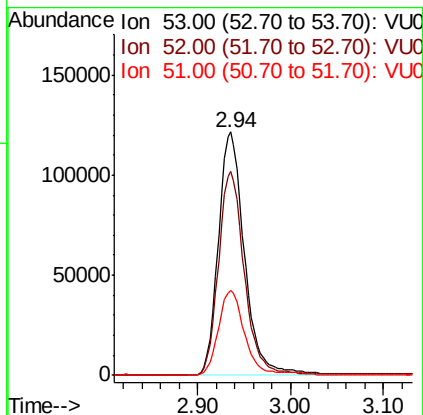
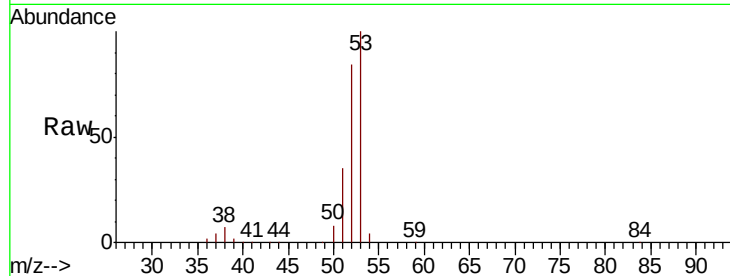
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 238608 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 82.7  | 65.7  | 98.5   |
| 51       | 35.6  | 27.4  | 41.2   |

Manual Integrations  
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#16

Acetone

Concen: 282.182 ug/l

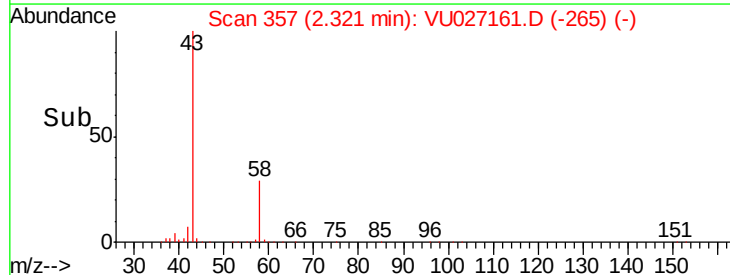
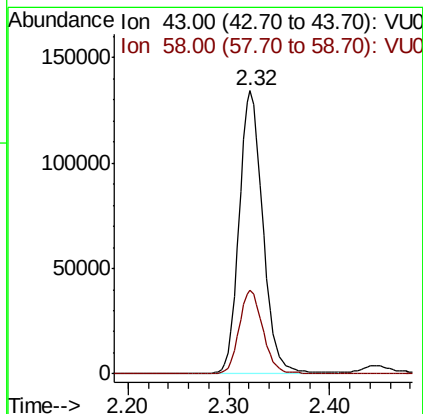
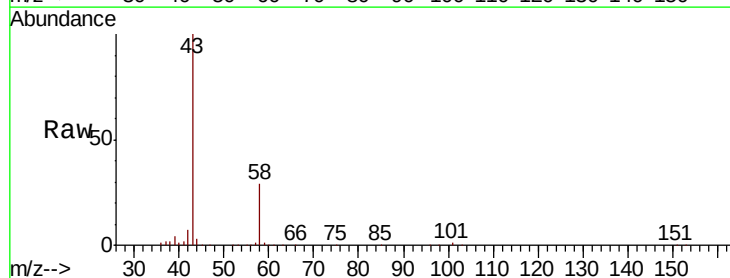
RT: 2.32 min Scan# 357

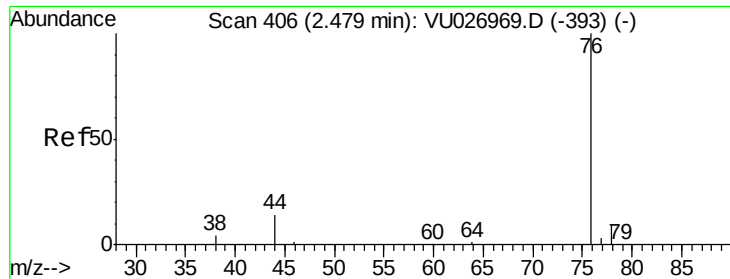
Delta R.T. -0.00 min

Lab File: VU027161.D

Acq: 26 Sep 2018 05:12

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 219757 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 29.4  | 24.6  | 36.8   |





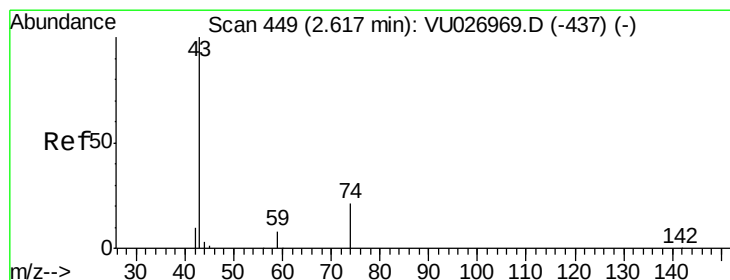
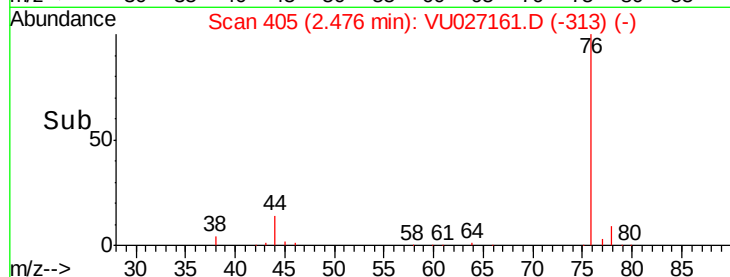
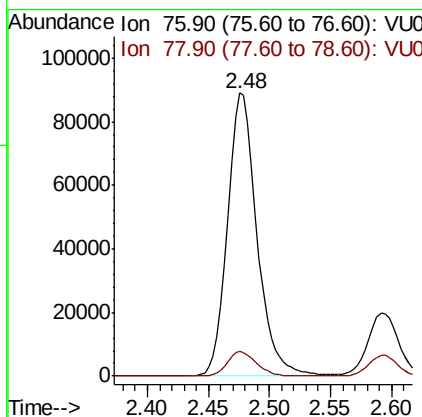
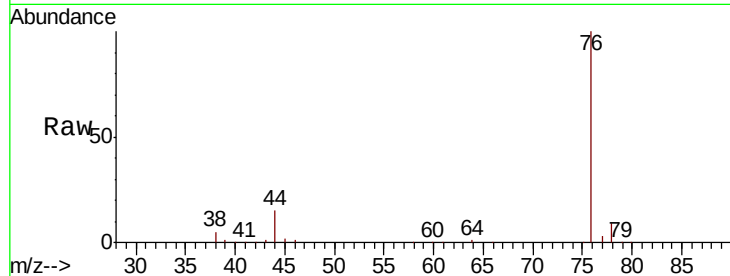
#17  
Carbon Disulfide  
Concen: 45.745 ug/l  
RT: 2.48 min Scan# 405  
Delta R.T. -0.00 min  
Lab File: VU027161.D  
Acq: 26 Sep 2018 05:12

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 8.8   | 7.1   | 10.7  |

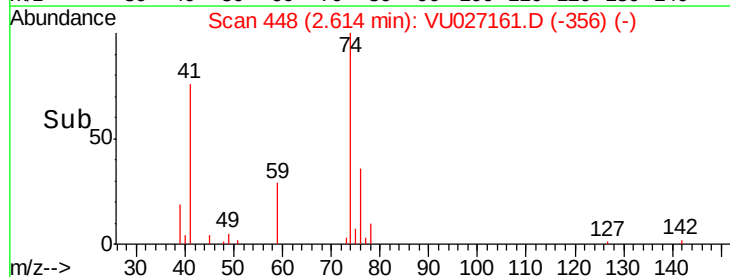
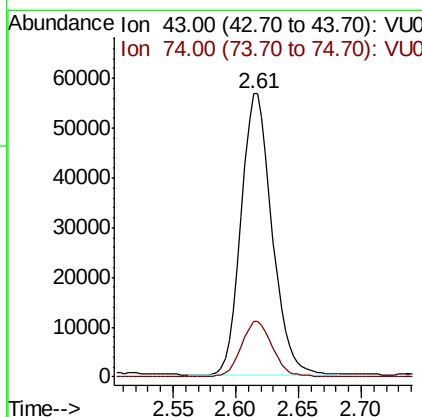
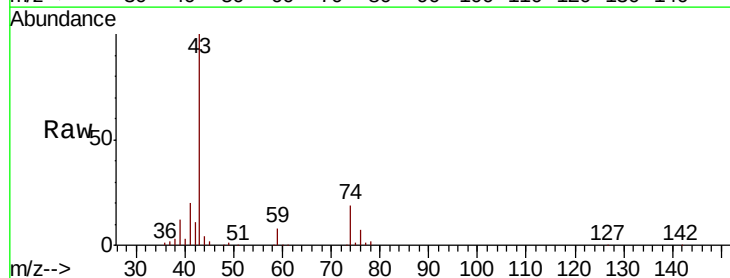
Manual Integrations  
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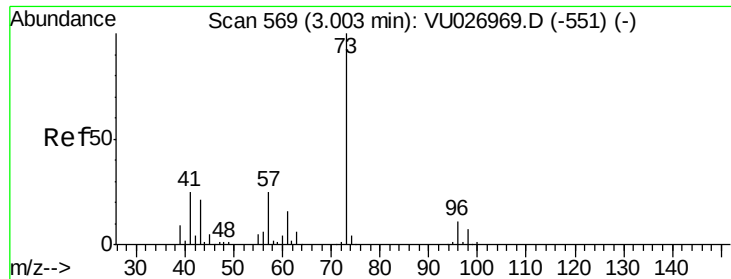
MMDadoda  
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#18  
Methyl Acetate  
Concen: 46.405 ug/l  
RT: 2.61 min Scan# 448  
Delta R.T. -0.00 min  
Lab File: VU027161.D  
Acq: 26 Sep 2018 05:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 20.0  | 16.6  | 25.0  |





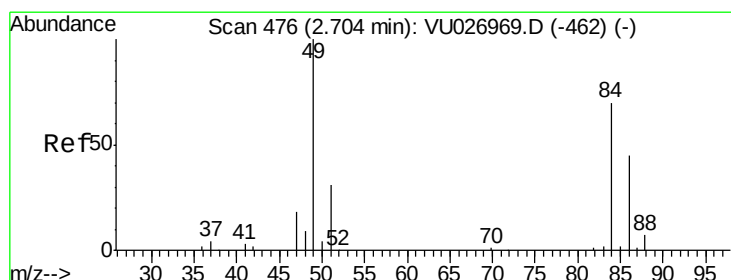
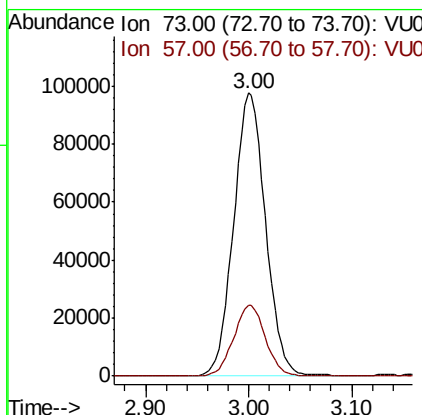
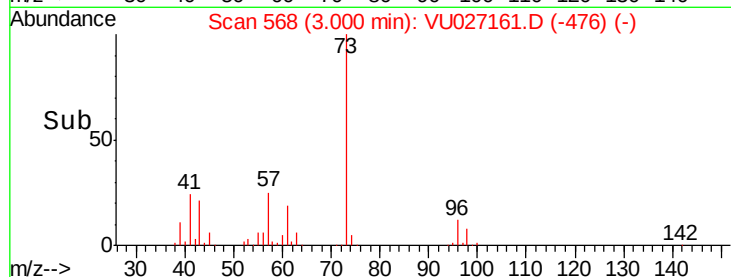
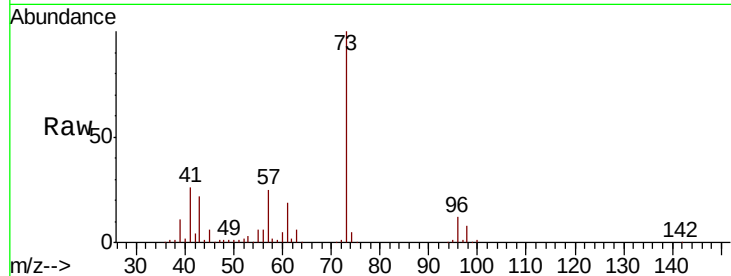
#19  
Methyl tert-butyl Ether  
Concen: 56.478 ug/l  
RT: 3.00 min Scan# 568  
Delta R.T. -0.00 min  
Lab File: VU027161.D  
Acq: 26 Sep 2018 05:12

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 25.1  | 19.8  | 29.6  |

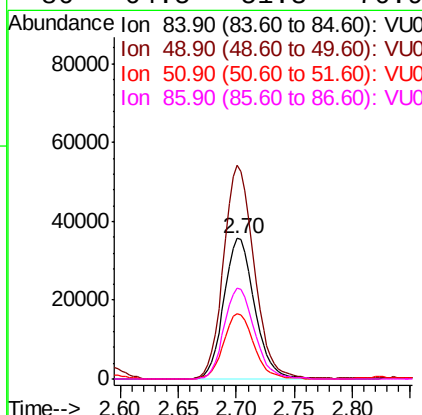
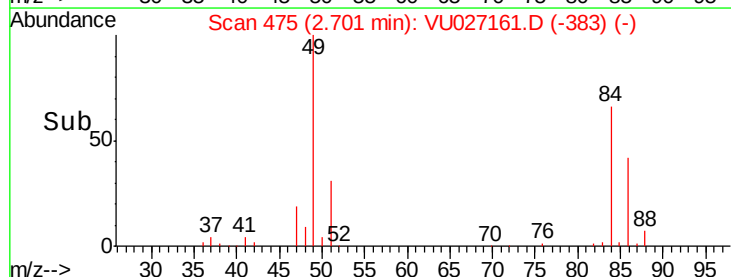
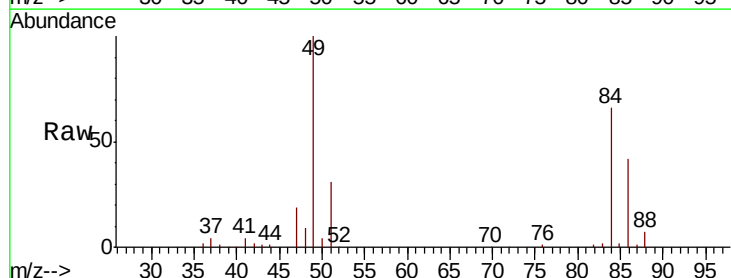
Manual Integrations  
APPROVED

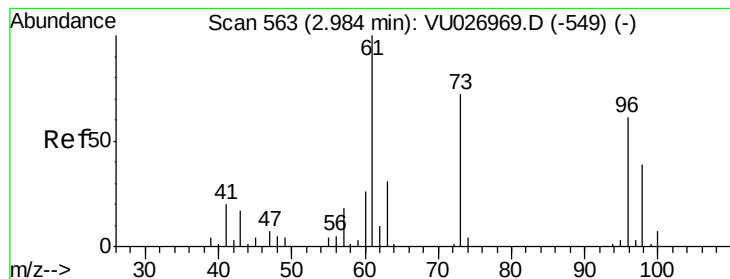
MMDadoda  
9/27/2018 3:33:17 PM



#20  
Methylene Chloride  
Concen: 49.578 ug/l  
RT: 2.70 min Scan# 475  
Delta R.T. -0.00 min  
Lab File: VU027161.D  
Acq: 26 Sep 2018 05:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 151.8 | 114.9 | 172.3 |
| 51      | 46.7  | 35.8  | 53.8  |
| 86      | 64.5  | 51.3  | 76.9  |





#21

trans-1,2-Dichloroethene

Concen: 50.556 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027161.D

Acq: 26 Sep 2018 05:12

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 54719

Ion Ratio Lower Upper

96 100

61 168.3 131.8 197.6

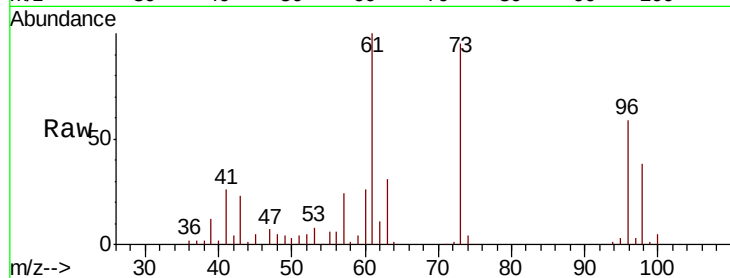
98 63.7 50.9 76.3

Manual Integrations

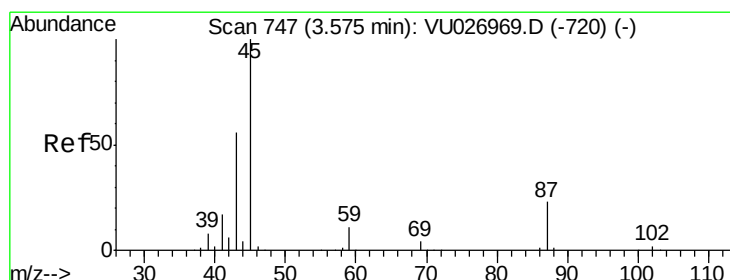
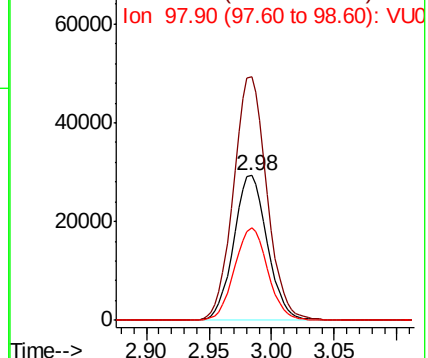
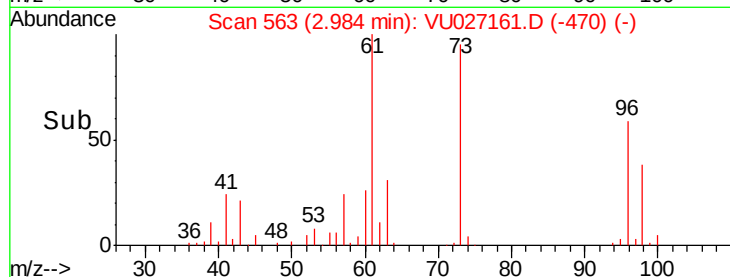
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Abundance Ion 95.90 (95.60 to 96.60): VU027161.D (-470) (-)



#22

Diisopropyl ether

Concen: 59.140 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU027161.D

Acq: 26 Sep 2018 05:12

Tgt Ion: 45 Resp: 260088

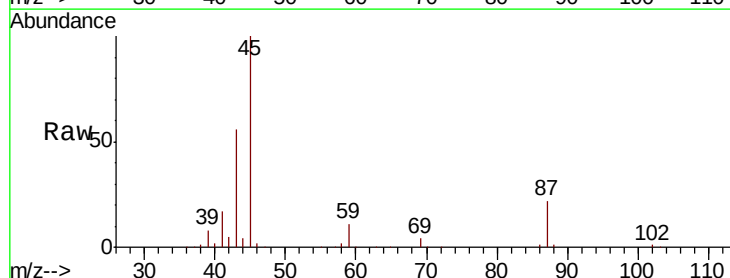
Ion Ratio Lower Upper

45 100

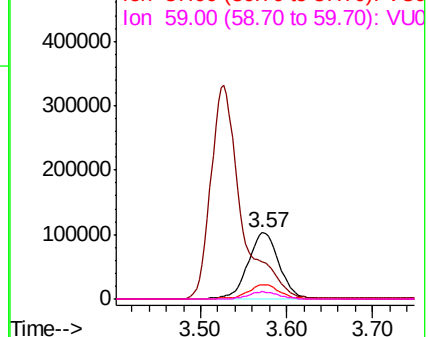
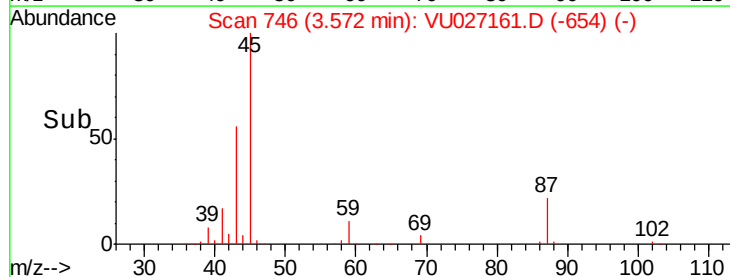
43 54.5 45.8 68.6

87 21.6 18.6 28.0

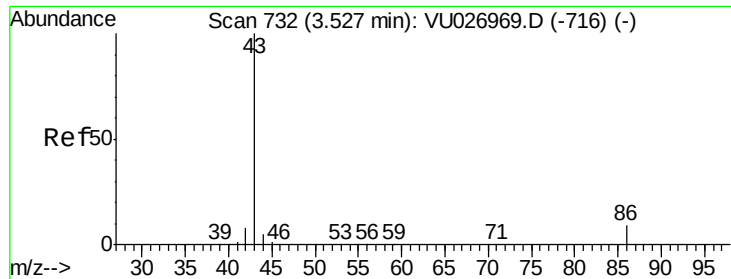
59 10.7 9.0 13.4



Abundance Ion 45.00 (44.70 to 45.70): VU027161.D (-654) (-)







#23

Vinyl Acetate

Concen: 219.255 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU027161.D

Acq: 26 Sep 2018 05:12

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 821953

Ion Ratio Lower Upper

43 100

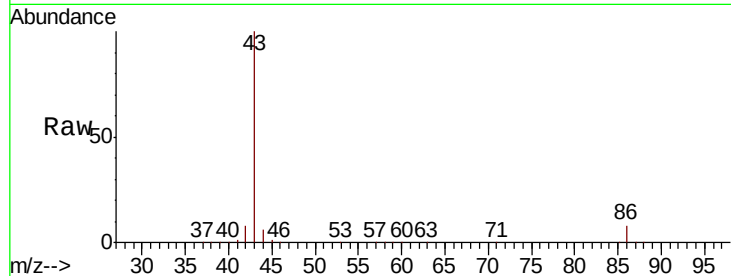
86 8.5 7.2 10.8

Manual Integrations

APPROVED

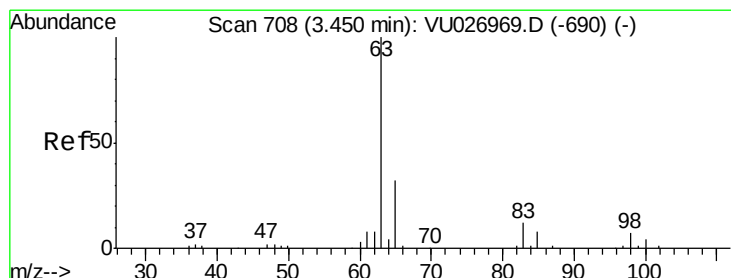
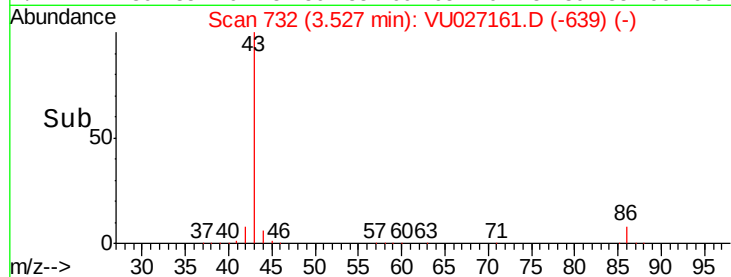
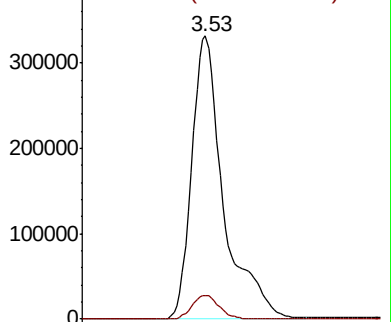
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 54.758 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027161.D

Acq: 26 Sep 2018 05:12

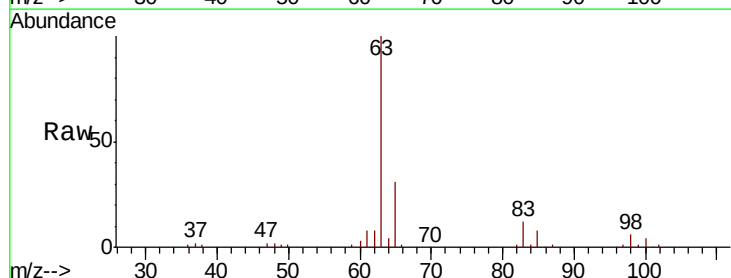
Tgt Ion: 63 Resp: 132633

Ion Ratio Lower Upper

63 100

98 5.8 3.3 9.8

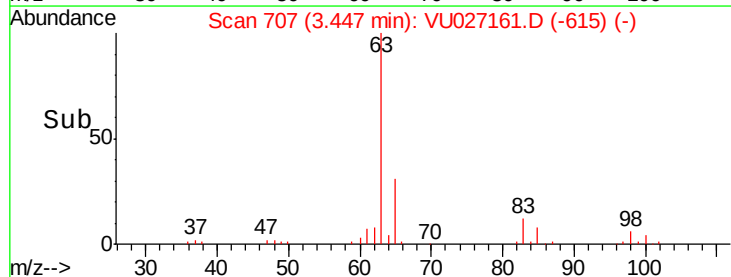
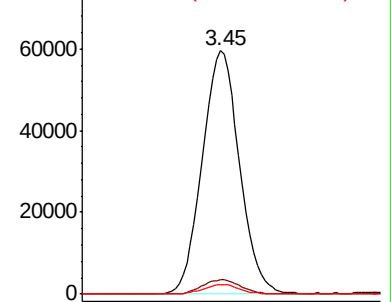
100 4.0 2.0 5.8

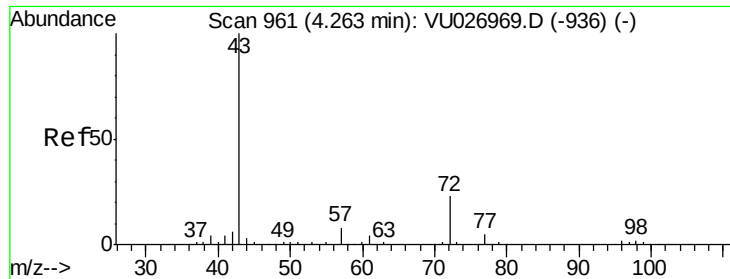


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 271.653 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU027161.D

Acq: 26 Sep 2018 05:12

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 337253

Ion Ratio Lower Upper

43 100

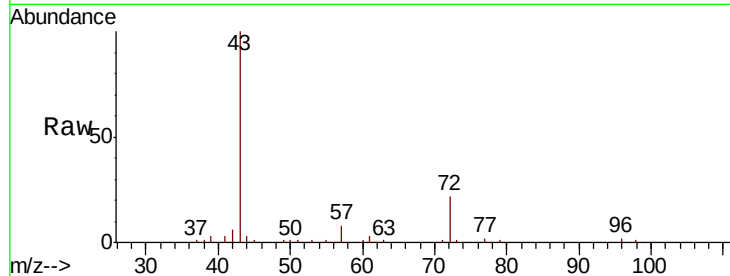
72 21.6 18.4 27.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

150000

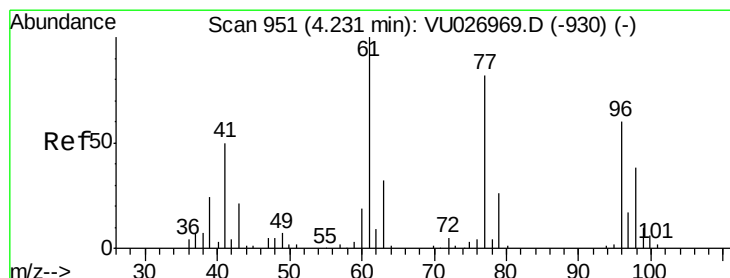
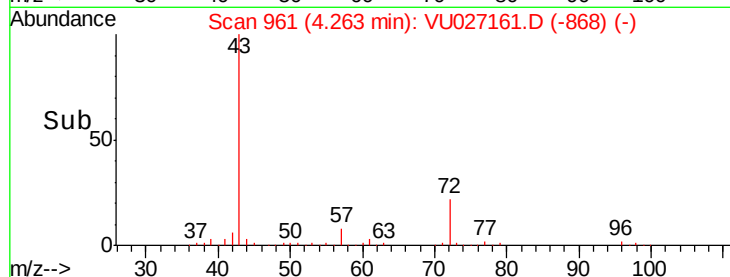
100000

50000

0

4.15 4.20 4.25 4.30 4.35

Time-->



#26

2,2-Dichloropropane

Concen: 24.069 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027161.D

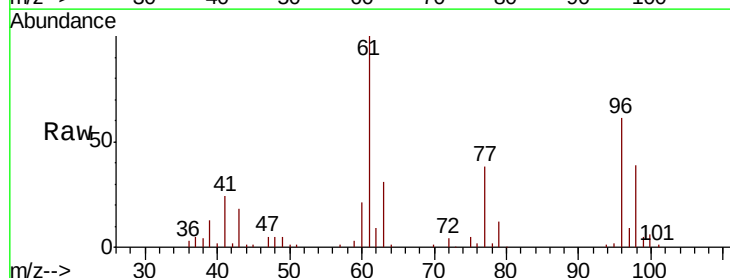
Acq: 26 Sep 2018 05:12

Tgt Ion: 77 Resp: 45467

Ion Ratio Lower Upper

77 100

97 24.1 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

15000

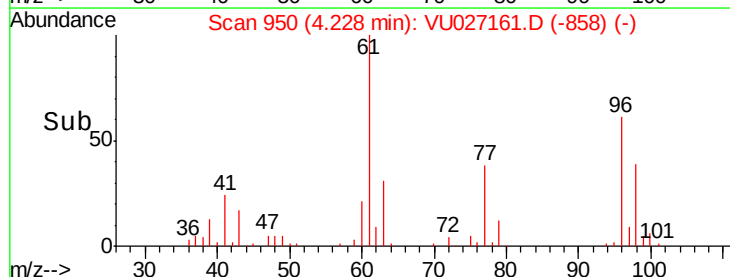
10000

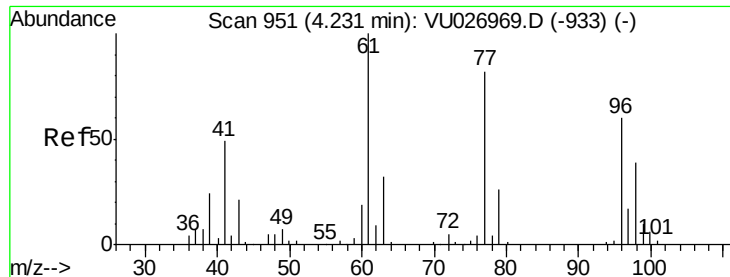
5000

0

4.10 4.20 4.30

Time-->





#27

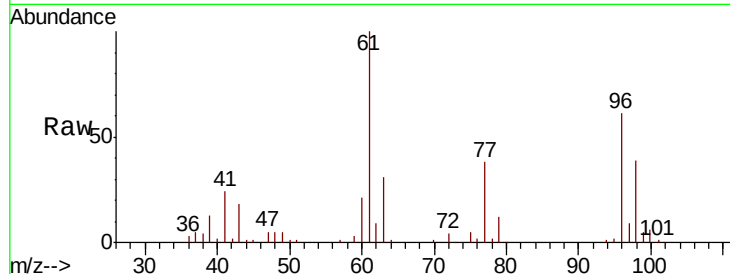
cis-1,2-Dichloroethene  
Concen: 52.431 ug/l  
RT: 4.23 min Scan# 950  
Delta R.T. -0.00 min  
Lab File: VU027161.D  
Acq: 26 Sep 2018 05:12

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 163.7 | 0.0   | 337.2 |
| 98      | 63.9  | 0.0   | 127.6 |

Manual Integrations  
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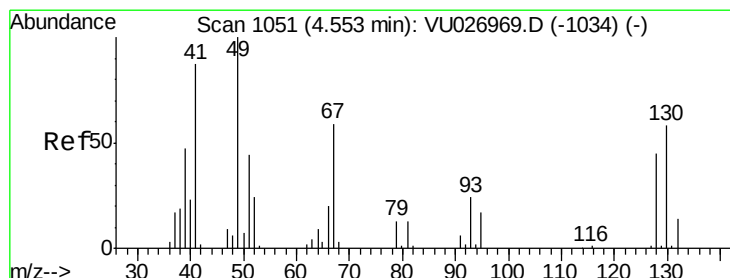
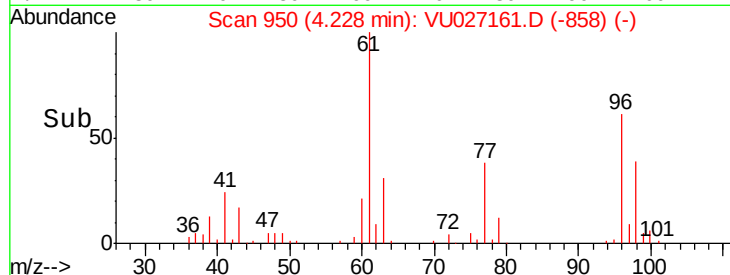
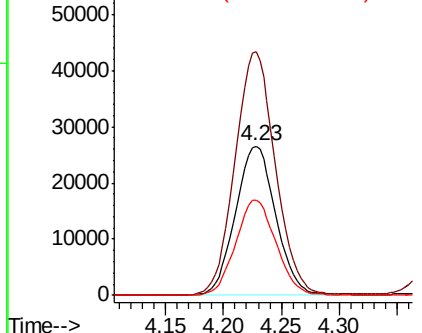


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

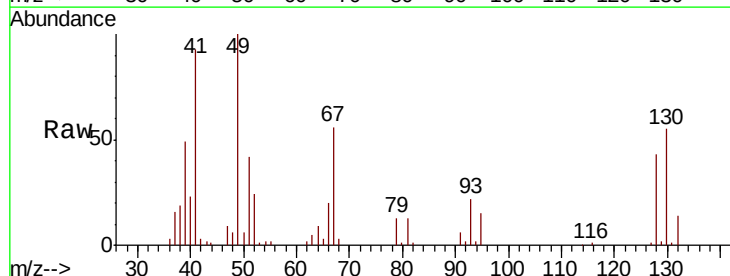
Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane  
Concen: 61.139 ug/l  
RT: 4.55 min Scan# 1050  
Delta R.T. -0.00 min  
Lab File: VU027161.D  
Acq: 26 Sep 2018 05:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 1.5   | 0.0   | 3.0   |
| 130     | 53.5  | 47.8  | 71.8  |

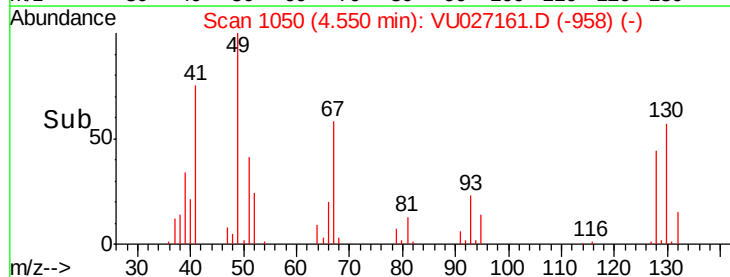
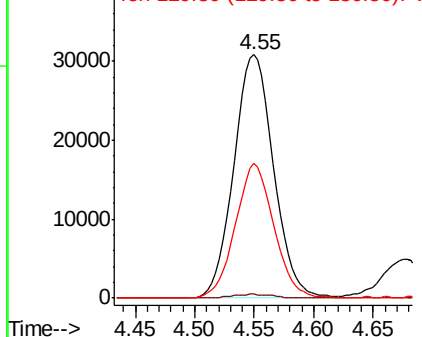


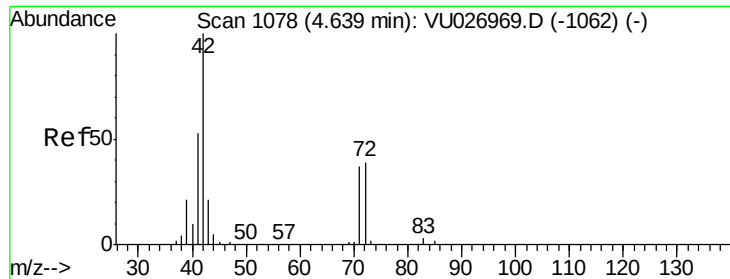
Abundance

Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





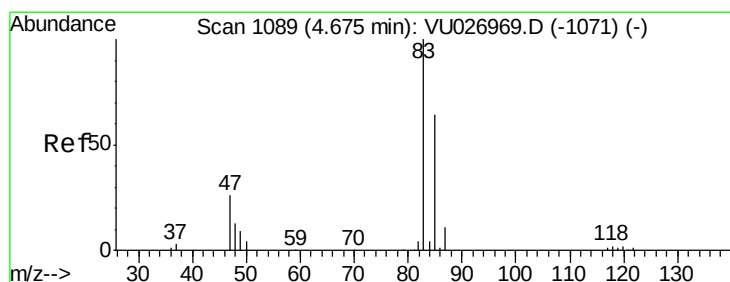
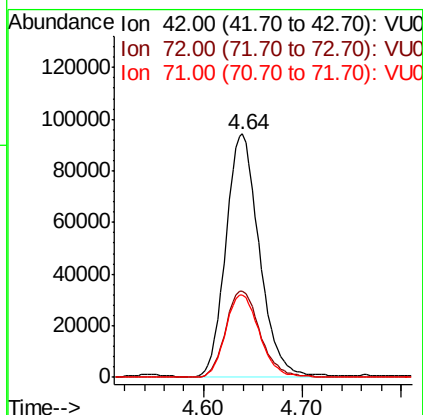
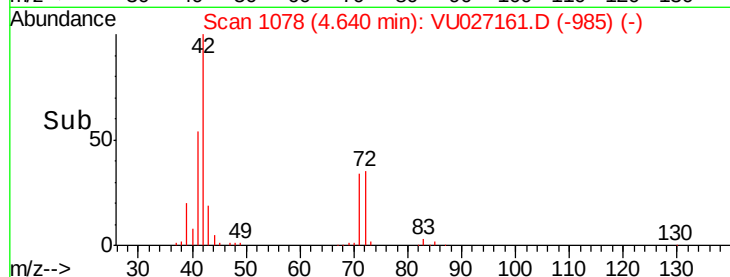
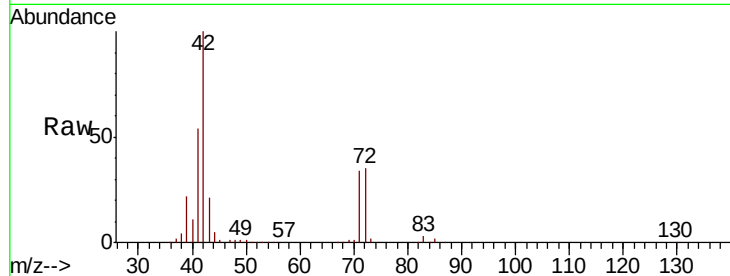
#29  
Tetrahydrofuran  
Concen: 294.718 ug/l  
RT: 4.64 min Scan# 1078  
Delta R.T. 0.00 min  
Lab File: VU027161.D  
Acq: 26 Sep 2018 05:12

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 36.9  | 31.7  | 47.5  |
| 71      | 34.6  | 29.6  | 44.4  |

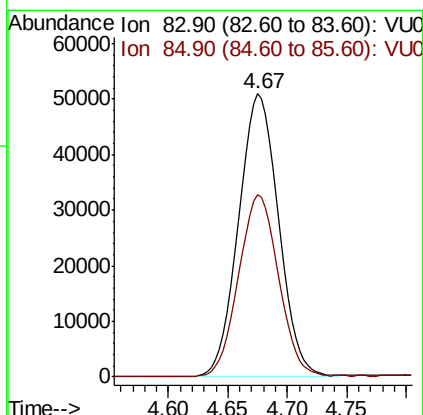
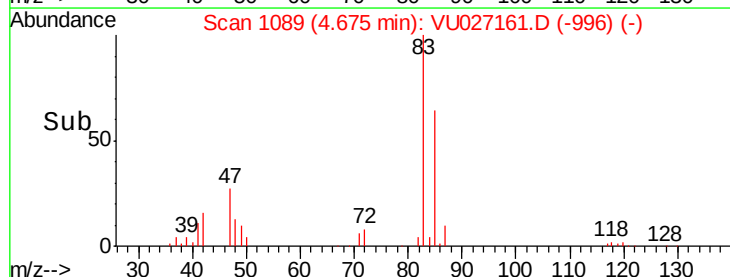
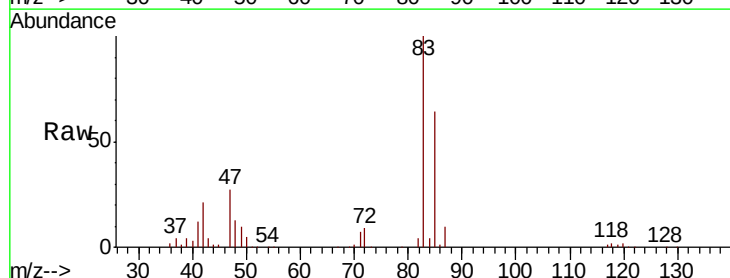
Manual Integrations  
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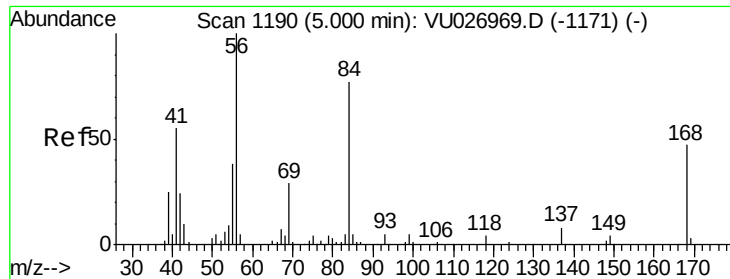
MMDadoda  
9/27/2018 3:33:17 PM



#30  
Chloroform  
Concen: 52.952 ug/l  
RT: 4.67 min Scan# 1089  
Delta R.T. 0.00 min  
Lab File: VU027161.D  
Acq: 26 Sep 2018 05:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.3  | 51.5  | 77.3  |





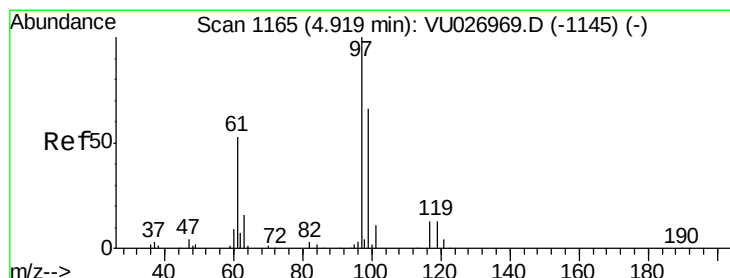
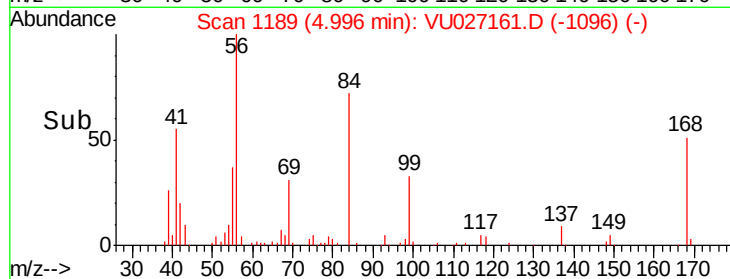
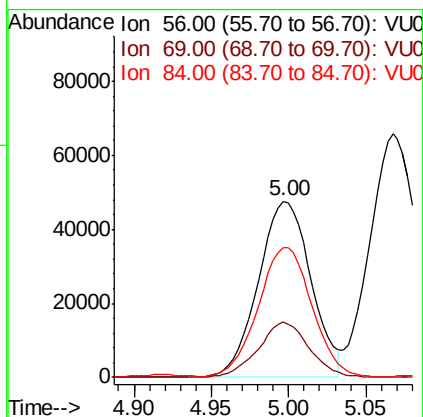
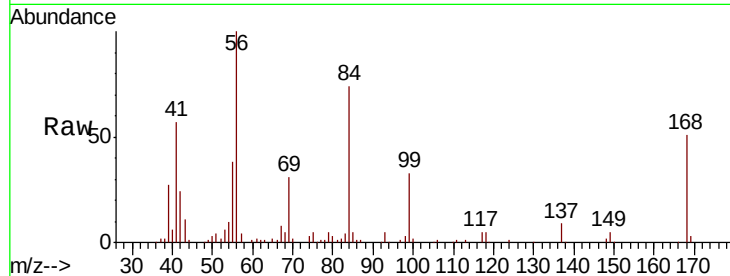
#31  
Cyclohexane  
Concen: 51.354 ug/l  
RT: 5.00 min Scan# 1189  
Delta R.T. -0.00 min  
Lab File: VU027161.D  
Acq: 26 Sep 2018 05:12

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 31.1  | 23.0  | 34.4  |
| 84      | 72.8  | 61.4  | 92.2  |

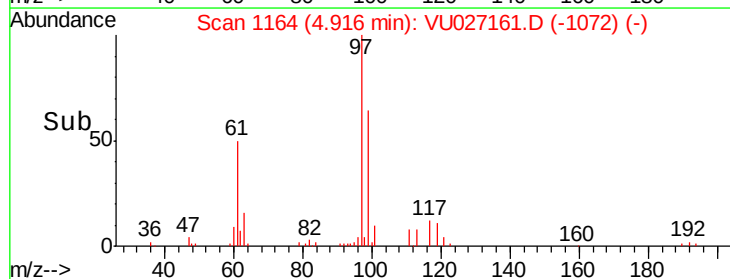
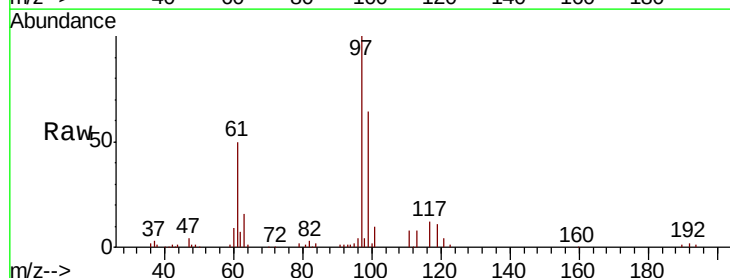
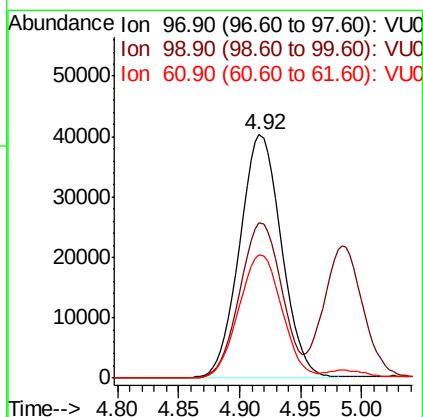
Manual Integrations  
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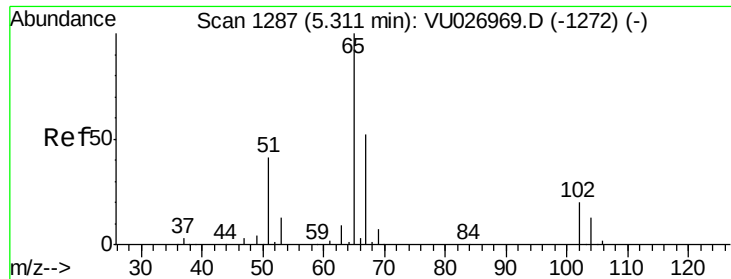
MMDadoda  
9/27/2018 3:33:17 PM



#32  
1,1,1-Trichloroethane  
Concen: 53.452 ug/l  
RT: 4.92 min Scan# 1164  
Delta R.T. -0.00 min  
Lab File: VU027161.D  
Acq: 26 Sep 2018 05:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.0  | 51.8  | 77.6  |
| 61      | 52.2  | 41.1  | 61.7  |





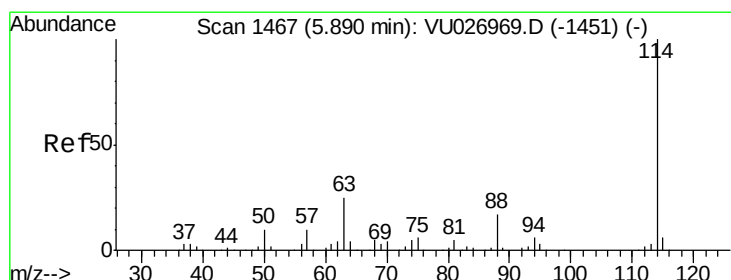
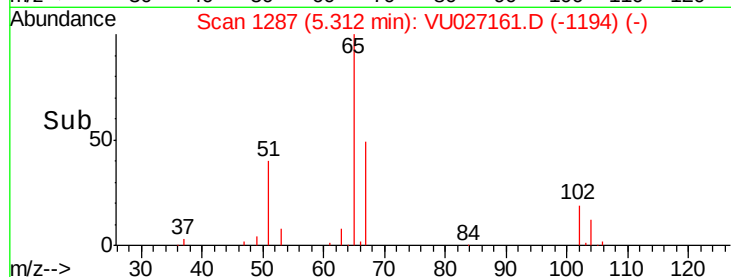
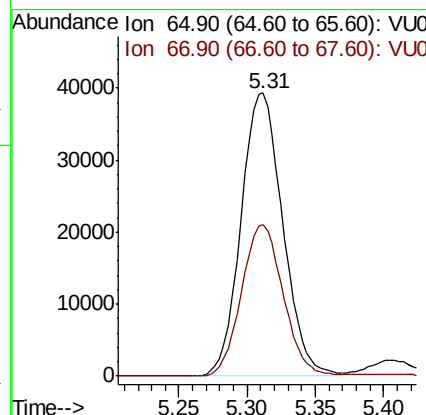
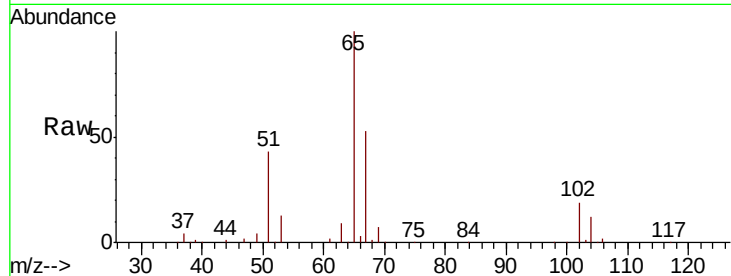
#33  
 1,2-Dichloroethane-d4  
 Concen: 56.583 ug/l  
 RT: 5.31 min Scan# 1287  
 Delta R.T. 0.00 min  
 Lab File: VU027161.D  
 Acq: 26 Sep 2018 05:12

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 53.6  | 0.0   | 105.6 |

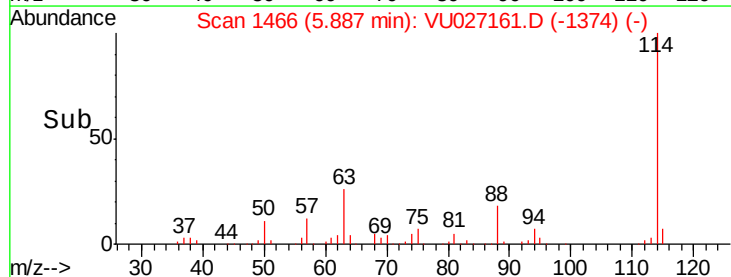
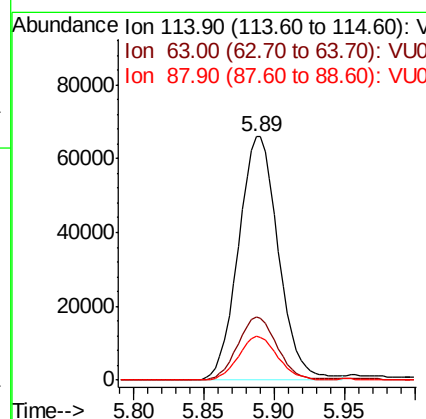
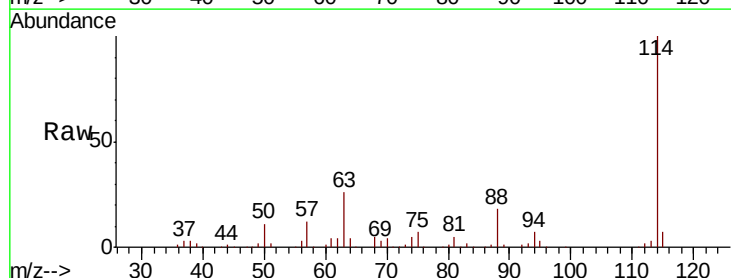
Manual Integrations  
 APPROVED

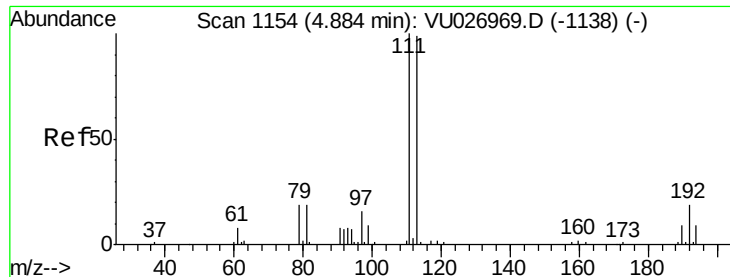
MMDadoda  
 9/27/2018 3:33:17 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.89 min Scan# 1466  
 Delta R.T. -0.00 min  
 Lab File: VU027161.D  
 Acq: 26 Sep 2018 05:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 25.9  | 0.0   | 49.2  |
| 88      | 17.9  | 0.0   | 33.8  |





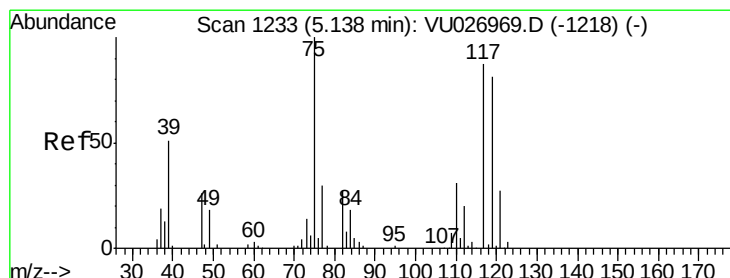
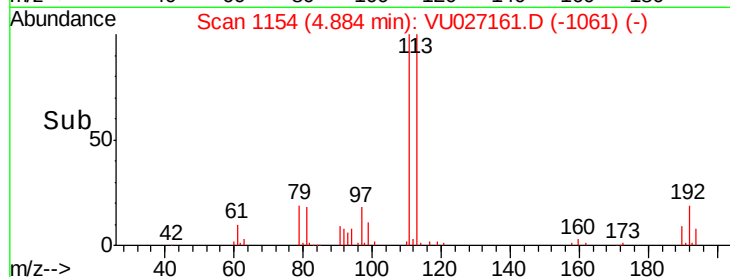
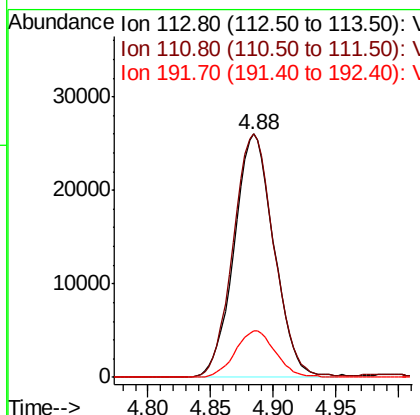
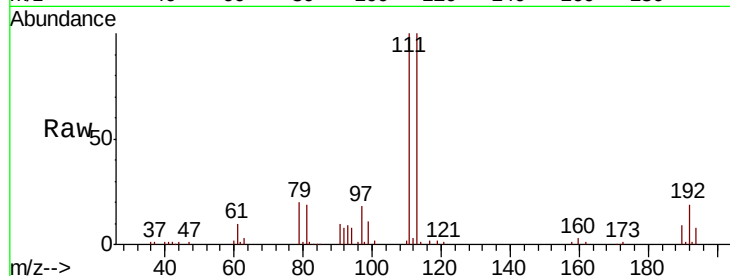
#35  
 Dibromofluoromethane  
 Concen: 50.560 ug/l  
 RT: 4.88 min Scan# 1154  
 Delta R.T. 0.00 min  
 Lab File: VU027161.D  
 Acq: 26 Sep 2018 05:12

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.5 | 82.2  | 123.4 |
| 192     | 19.2  | 15.2  | 22.8  |

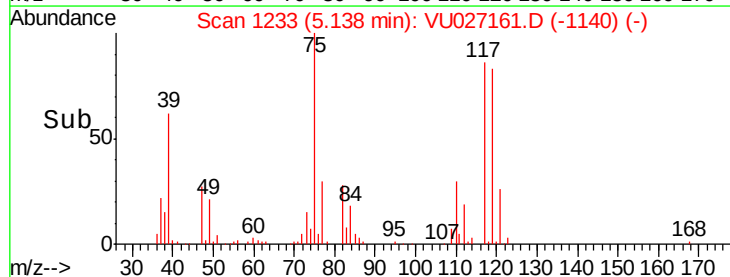
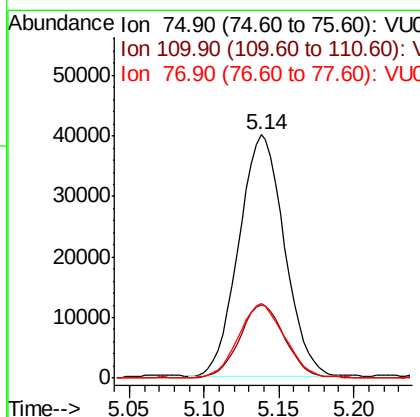
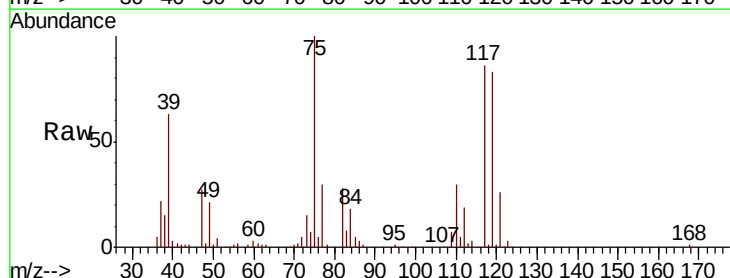
Manual Integrations  
 APPROVED

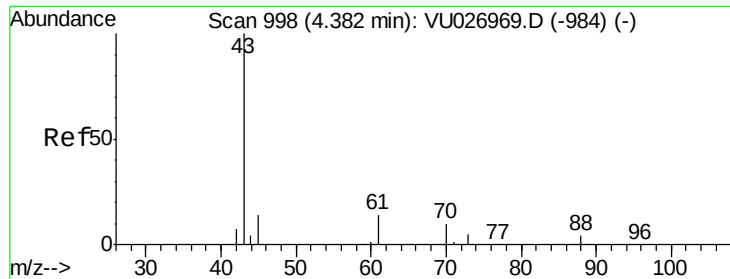
MMDadoda  
 9/27/2018 3:33:17 PM



#36  
 1,1-Dichloropropene  
 Concen: 48.390 ug/l  
 RT: 5.14 min Scan# 1233  
 Delta R.T. 0.00 min  
 Lab File: VU027161.D  
 Acq: 26 Sep 2018 05:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 30.3  | 16.1  | 48.2  |
| 77      | 30.7  | 24.6  | 36.8  |





#37

Ethyl Acetate

Concen: 42.160 ug/l

RT: 4.38 min Scan# 998

Delta R.T. 0.00 min

Lab File: VU027161.D

Acq: 26 Sep 2018 05:12

Instrument :

MSVOA\_U

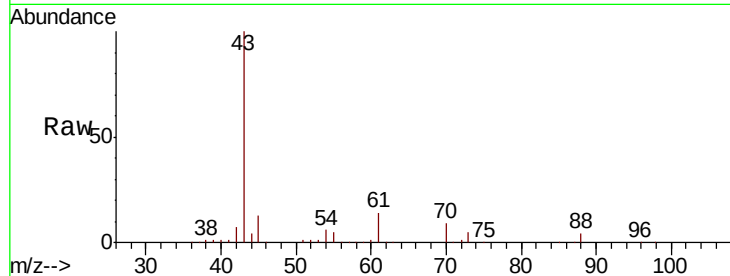
ClientSampleId :

VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 99937 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 12.7  | 10.5  | 15.7  |
| 70       | 9.1   | 7.4   | 11.0  |

Manual Integrations  
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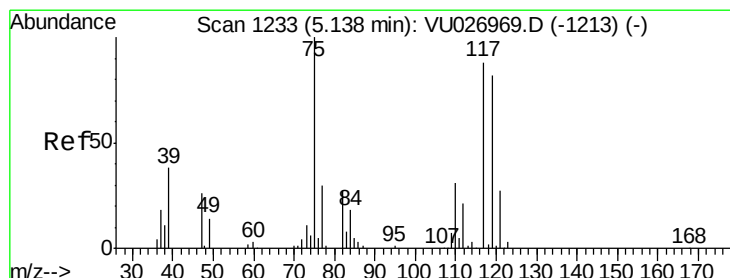
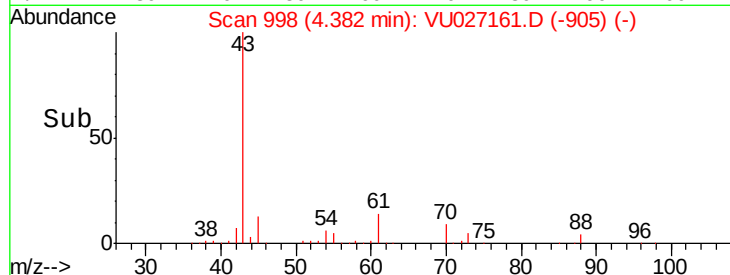
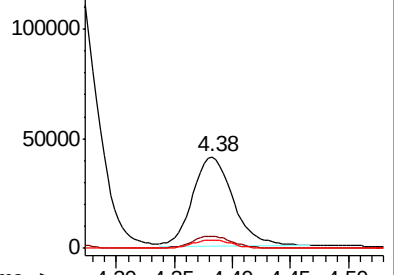
MMDadoda  
9/27/2018 3:33:17 PM



Abundance Ion 43.00 (42.70 to 43.70): VU027161.D (-905) (-)

Ion 60.90 (60.60 to 61.60): VU027161.D (-905) (-)

Ion 70.00 (69.70 to 70.70): VU027161.D (-905) (-)



#38

Carbon Tetrachloride

Concen: 48.117 ug/l

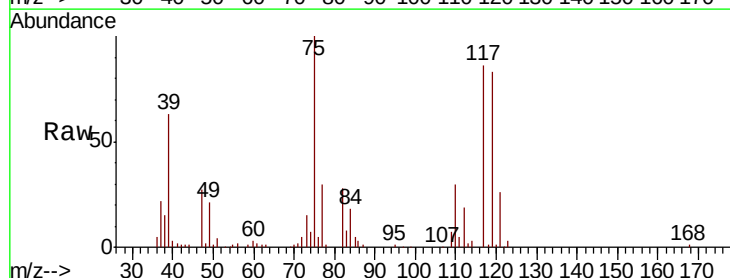
RT: 5.14 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU027161.D

Acq: 26 Sep 2018 05:12

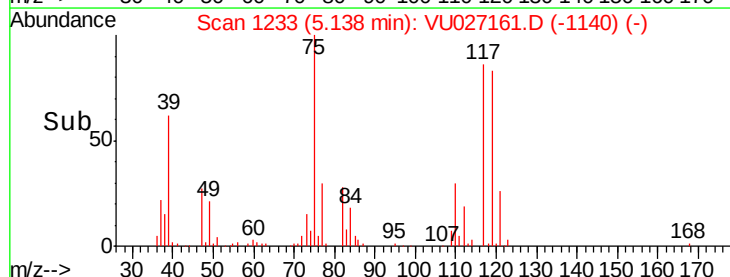
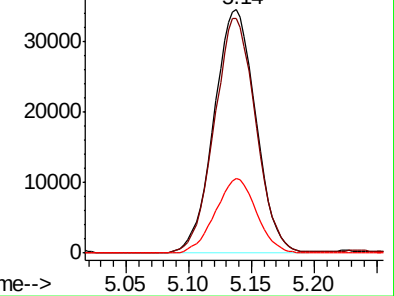
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 80179 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 96.4  | 74.4  | 111.6 |
| 121      | 30.7  | 24.2  | 36.4  |



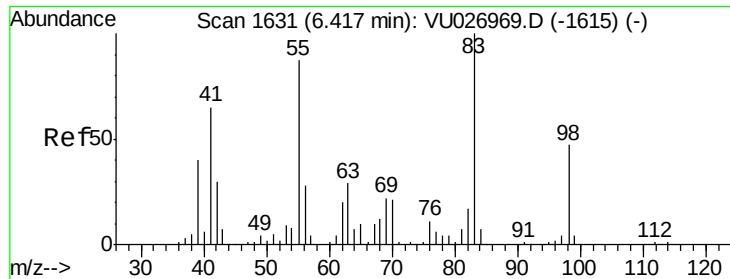
Abundance Ion 116.80 (116.50 to 117.50): VU027161.D (-1140) (-)

Ion 118.80 (118.50 to 119.50): VU027161.D (-1140) (-)

Ion 120.80 (120.50 to 121.50): VU027161.D (-1140) (-)







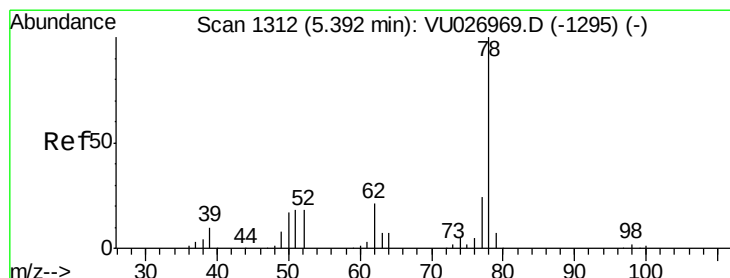
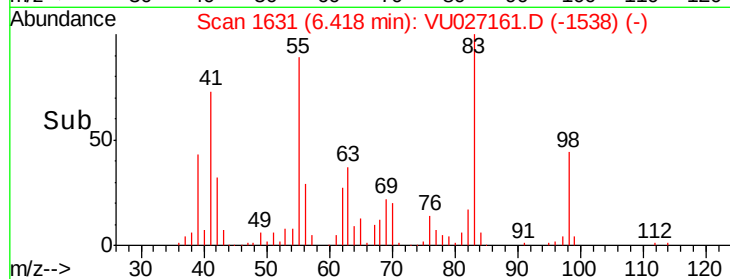
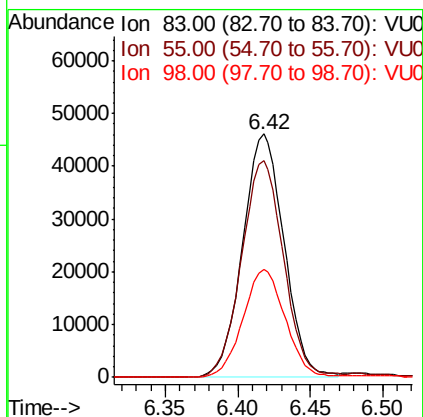
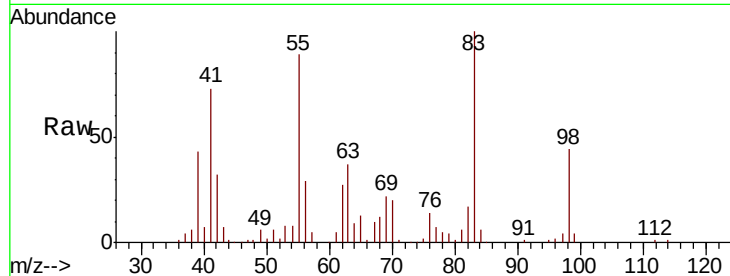
#39  
Methylvlcyclohexane  
Concen: 48.157 ug/l  
RT: 6.42 min Scan# 1631  
Delta R.T. 0.00 min  
Lab File: VU027161.D  
Acq: 26 Sep 2018 05:12

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | 83.00 | Resp  | 91636 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 83      | 100   |       |       |
| 55      | 88.8  | 69.9  | 104.9 |
| 98      | 44.3  | 37.5  | 56.3  |

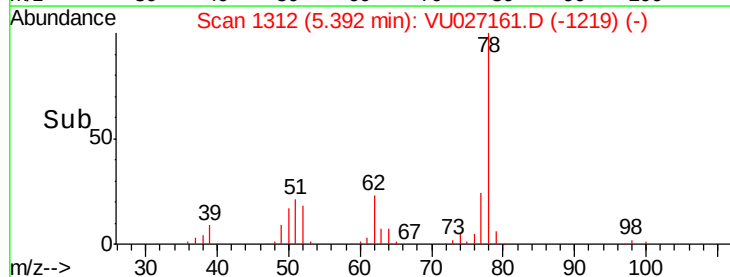
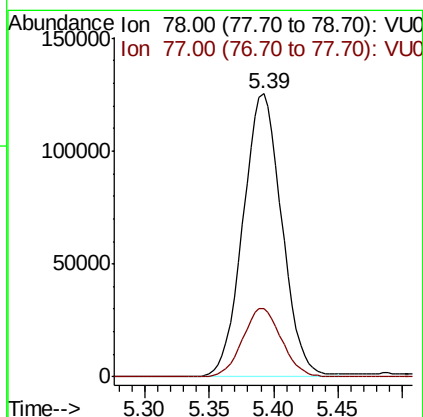
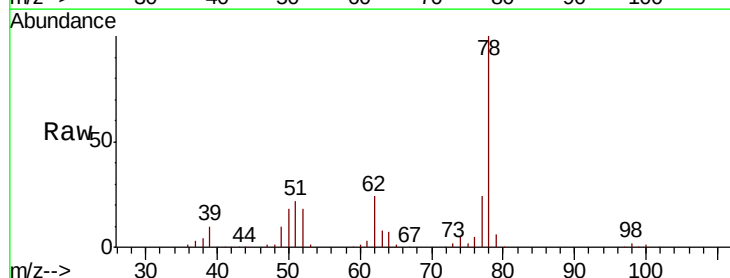
Manual Integrations  
APPROVED

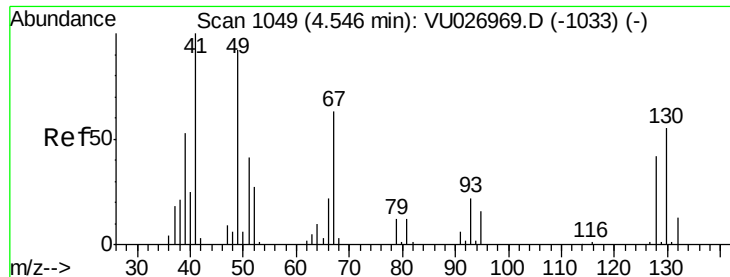
MMDadoda  
9/27/2018 3:33:17 PM



#40  
Benzene  
Concen: 49.446 ug/l  
RT: 5.39 min Scan# 1312  
Delta R.T. 0.00 min  
Lab File: VU027161.D  
Acq: 26 Sep 2018 05:12

| Tgt Ion | 78.00 | Resp  | 263203 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 78      | 100   |       |        |
| 77      | 24.3  | 19.4  | 29.0   |





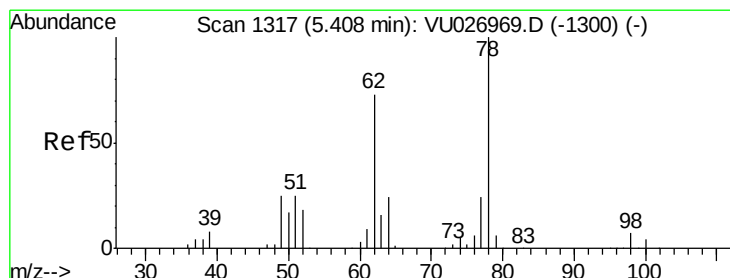
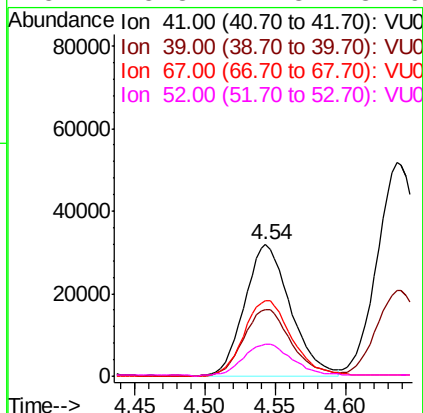
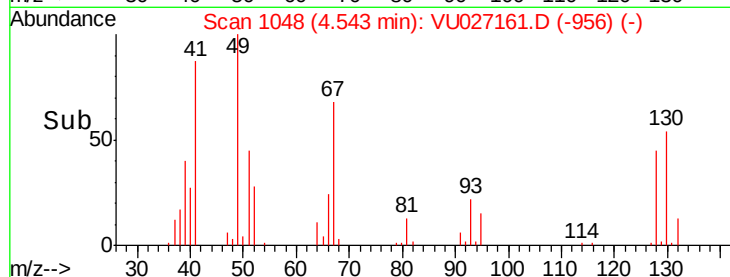
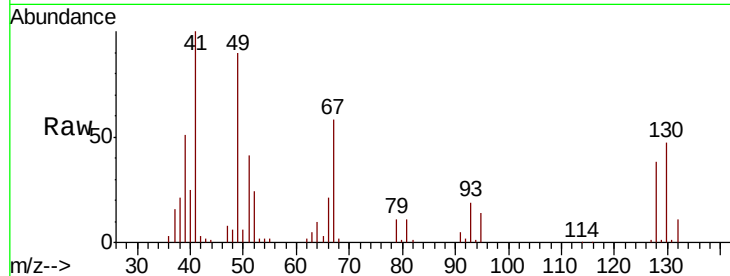
#41  
Methacrylonitrile  
Concen: 58.580 ug/l  
RT: 4.54 min Scan# 1048  
Delta R.T. -0.00 min  
Lab File: VU027161.D  
Acq: 26 Sep 2018 05:12

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 72116   | 41  | 100   |       |       |
|         | 39  | 51.9  | 42.9  | 64.3  |
|         | 67  | 60.3  | 52.4  | 78.6  |
|         | 52  | 25.8  | 21.3  | 31.9  |

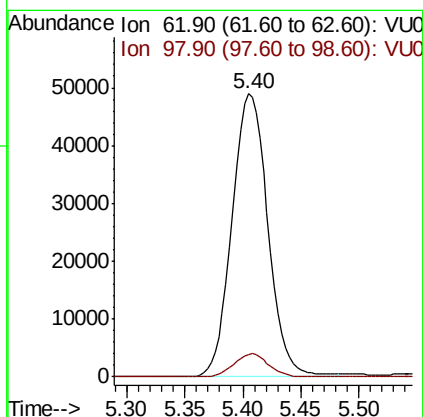
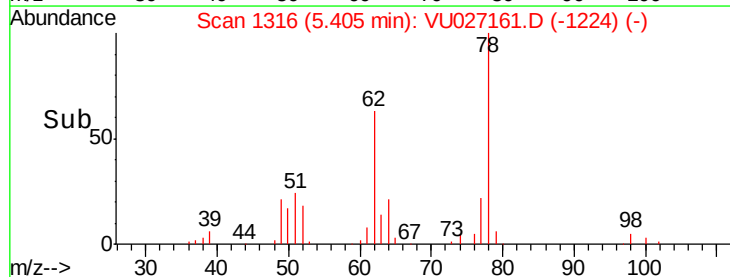
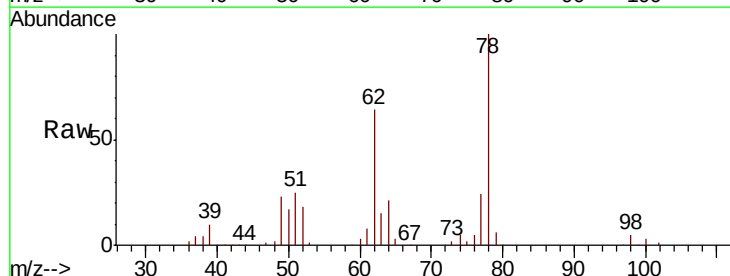
Manual Integrations  
APPROVED

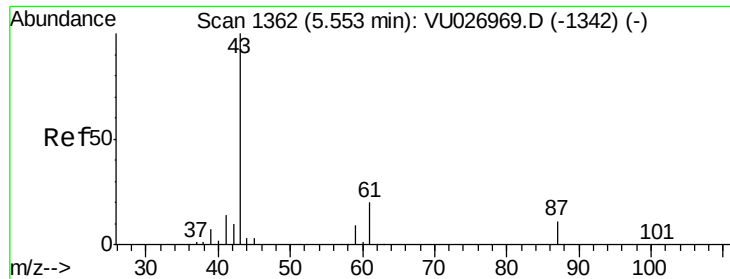
MMDadoda  
9/27/2018 3:33:17 PM



#42  
1,2-Dichloroethane  
Concen: 52.283 ug/l  
RT: 5.40 min Scan# 1316  
Delta R.T. -0.00 min  
Lab File: VU027161.D  
Acq: 26 Sep 2018 05:12

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 105148  | 62  | 100   |       |       |
|         | 98  | 7.8   | 0.0   | 17.0  |





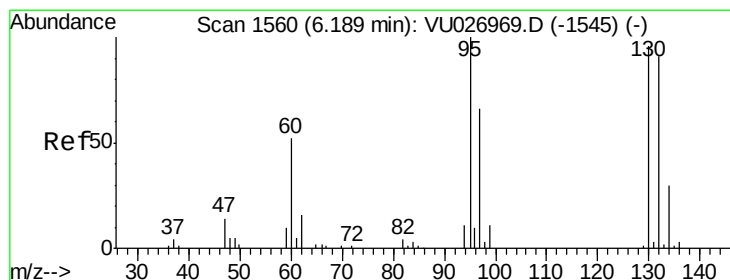
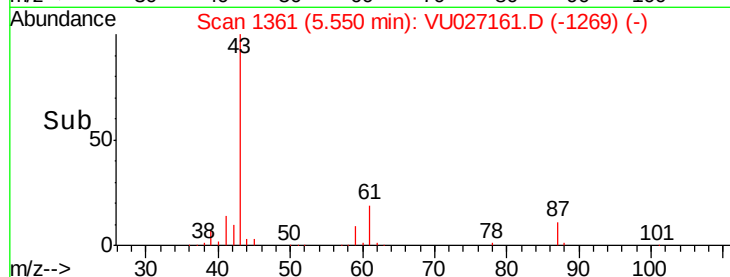
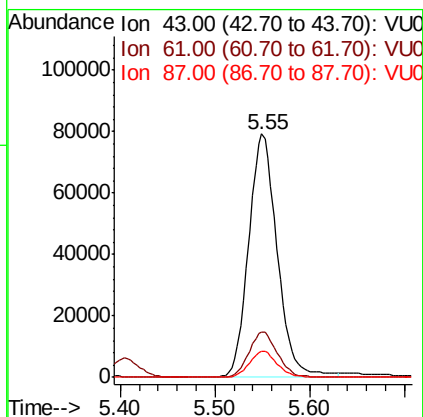
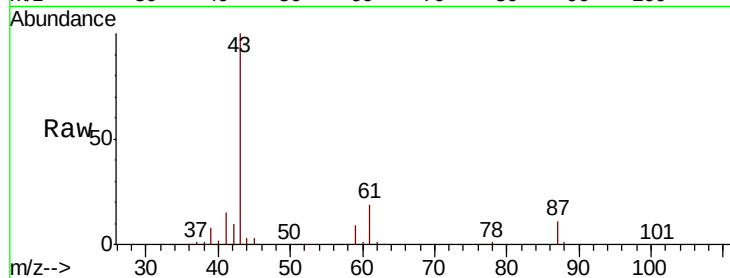
#43  
Isopropyl Acetate  
Concen: 47.846 ug/l  
RT: 5.55 min Scan# 1361  
Delta R.T. -0.00 min  
Lab File: VU027161.D  
Acq: 26 Sep 2018 05:12

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 18.6  | 15.7  | 23.5  |
| 87      | 10.5  | 9.0   | 13.4  |

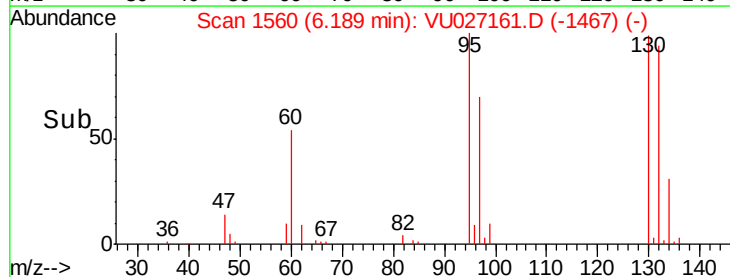
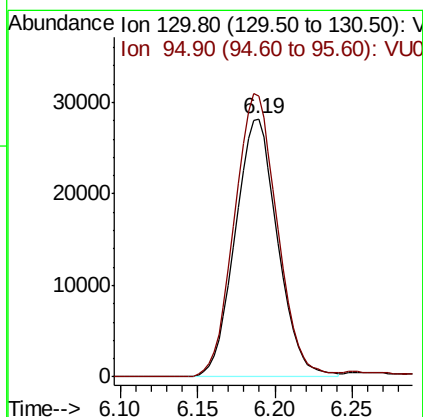
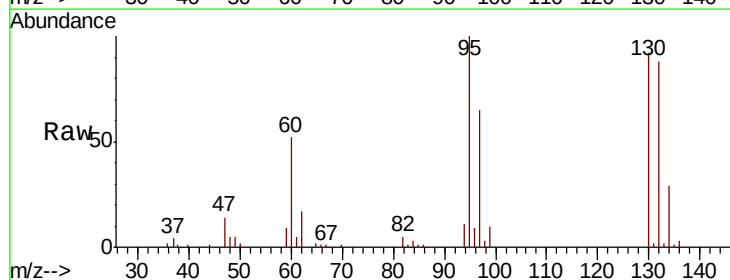
Manual Integrations  
APPROVED

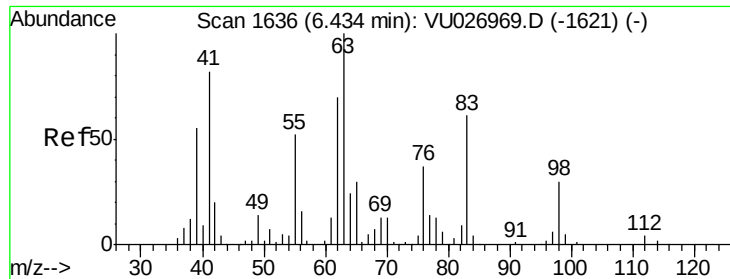
MMDadoda  
9/27/2018 3:33:17 PM



#44  
Trichloroethene  
Concen: 47.513 ug/l  
RT: 6.19 min Scan# 1560  
Delta R.T. 0.00 min  
Lab File: VU027161.D  
Acq: 26 Sep 2018 05:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 108.8 | 0.0   | 208.8 |





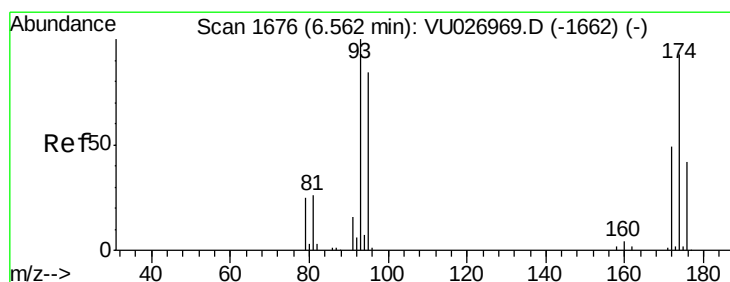
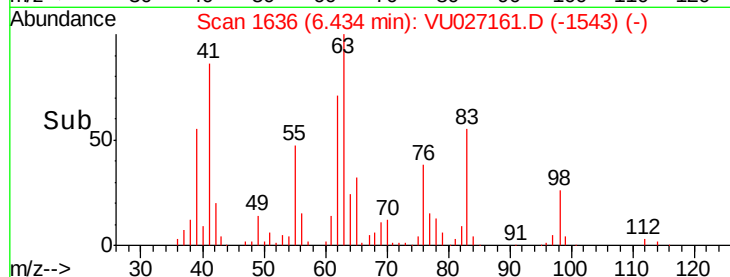
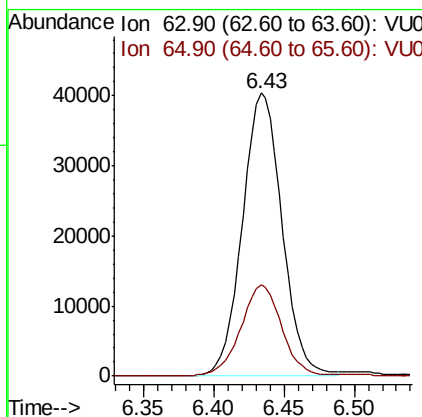
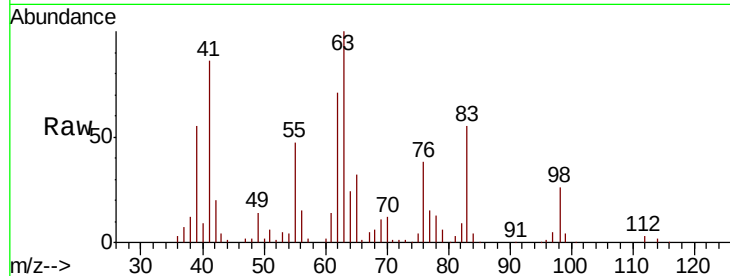
#45  
 1,2-Dichloropropane  
 Concen: 52.469 ug/l  
 RT: 6.43 min Scan# 1636  
 Delta R.T. 0.00 min  
 Lab File: VU027161.D  
 Acq: 26 Sep 2018 05:12

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 63 Resp: 79582  
 Ion Ratio Lower Upper  
 63 100  
 65 32.1 24.3 36.5

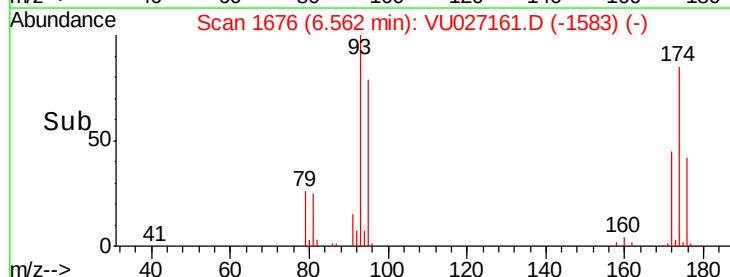
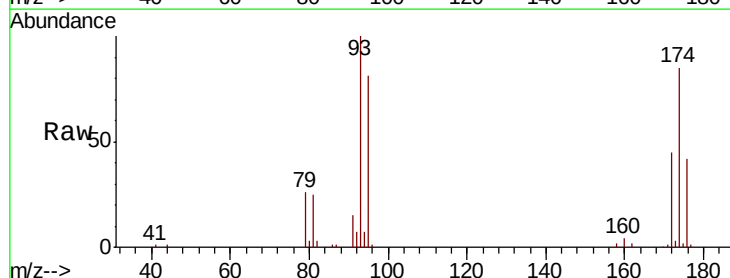
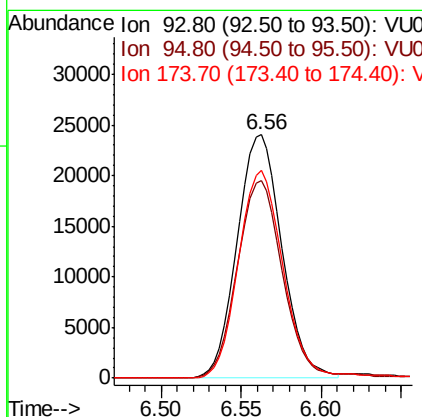
Manual Integrations  
 APPROVED

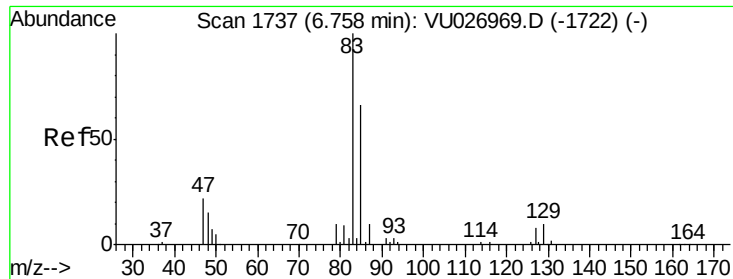
MMDadoda  
 9/27/2018 3:33:17 PM



#46  
 Dibromomethane  
 Concen: 50.214 ug/l  
 RT: 6.56 min Scan# 1676  
 Delta R.T. 0.00 min  
 Lab File: VU027161.D  
 Acq: 26 Sep 2018 05:12

Tgt Ion: 93 Resp: 45997  
 Ion Ratio Lower Upper  
 93 100  
 95 81.8 66.2 99.4  
 174 86.0 71.7 107.5





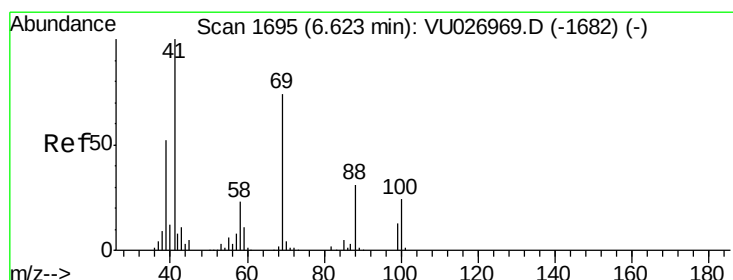
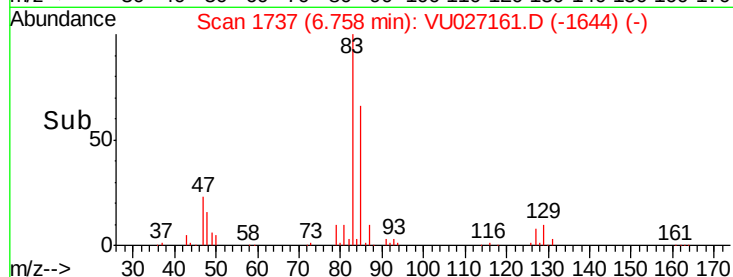
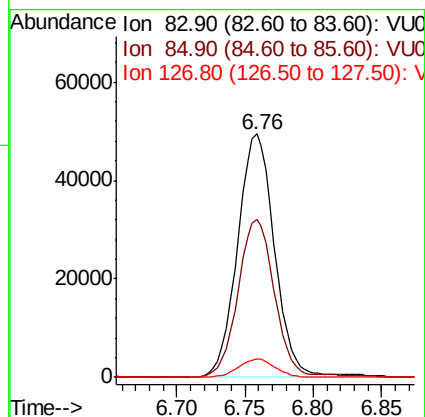
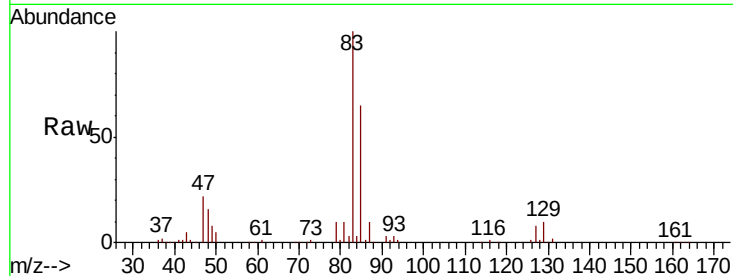
#47  
 Bromodichloromethane  
 Concen: 50.111 ug/l  
 RT: 6.76 min Scan# 1737  
 Delta R.T. 0.00 min  
 Lab File: VU027161.D  
 Acq: 26 Sep 2018 05:12

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion   | 83   | Resp  | 92818 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 83        | 100  |       |       |
| 85        | 64.8 | 52.5  | 78.7  |
| 127       | 7.6  | 6.3   | 9.5   |

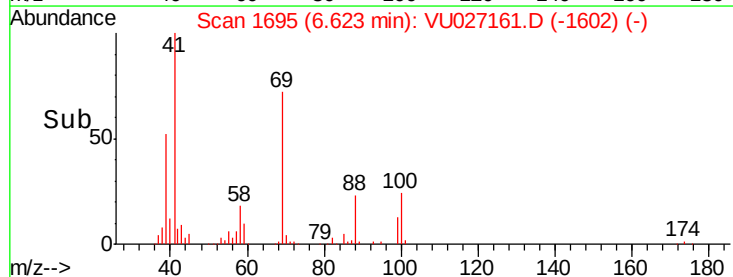
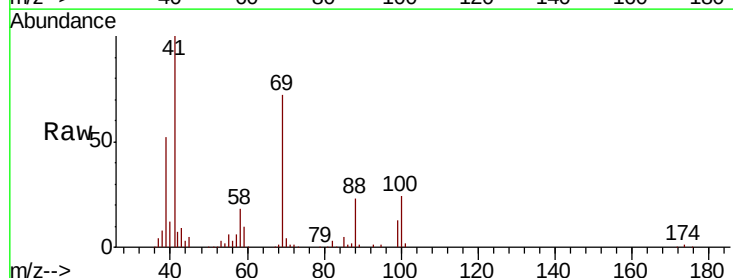
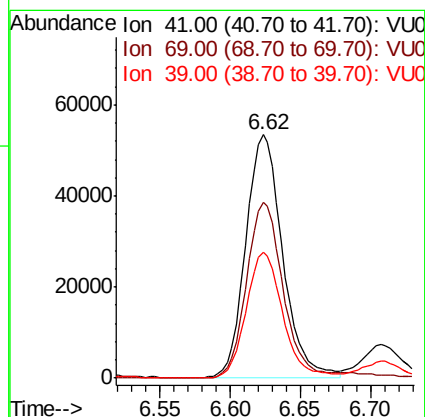
Manual Integrations  
 APPROVED

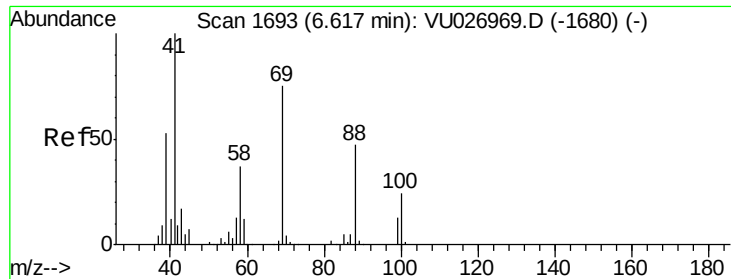
MMDadoda  
 9/27/2018 3:33:17 PM



#48  
 Methyl methacrylate  
 Concen: 52.267 ug/l  
 RT: 6.62 min Scan# 1695  
 Delta R.T. 0.00 min  
 Lab File: VU027161.D  
 Acq: 26 Sep 2018 05:12

| Tgt Ion   | 41   | Resp  | 98431 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 41        | 100  |       |       |
| 69        | 73.9 | 60.6  | 90.8  |
| 39        | 51.5 | 42.8  | 64.2  |





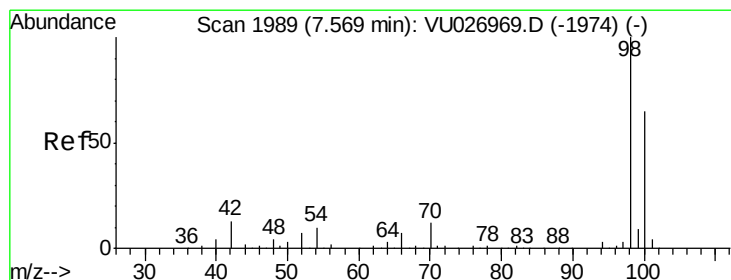
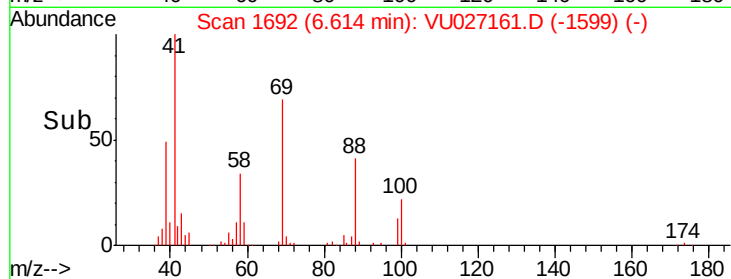
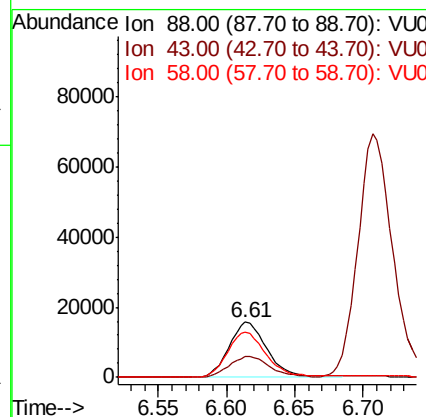
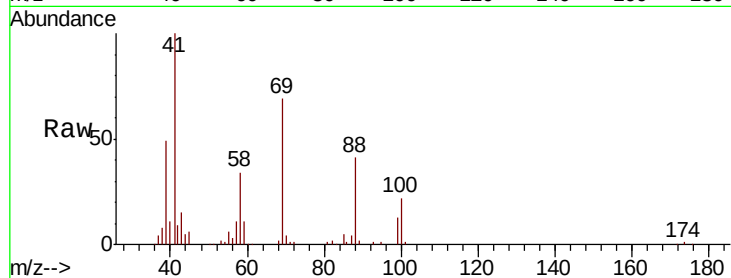
#49  
1,4-Dioxane  
Concen: 818.937 ug/l  
RT: 6.61 min Scan# 1692  
Delta R.T. -0.00 min  
Lab File: VU027161.D  
Acq: 26 Sep 2018 05:12

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 40.2  | 29.8  | 44.8  |
| 58      | 83.0  | 63.9  | 95.9  |

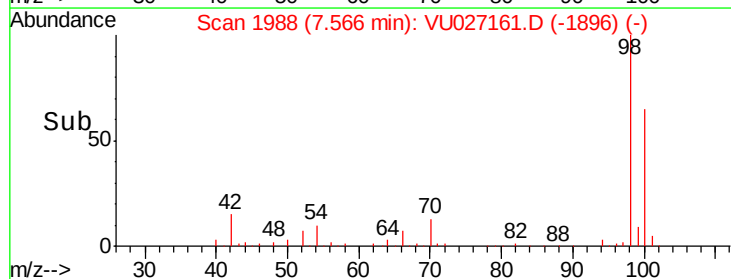
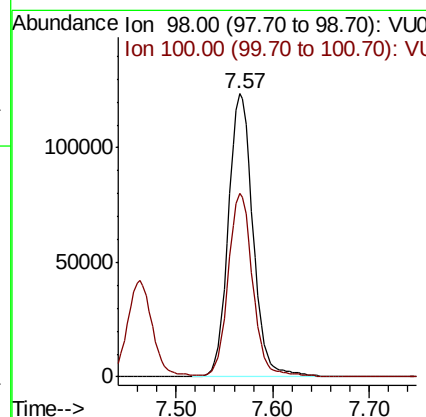
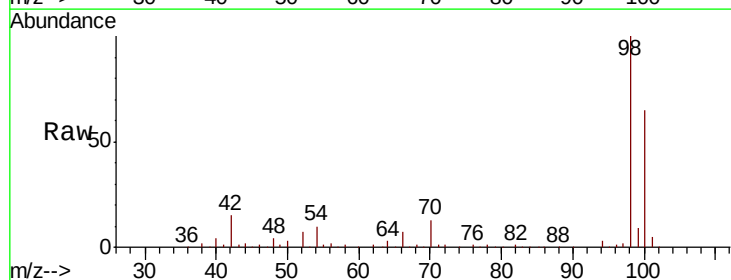
Manual Integrations  
APPROVED

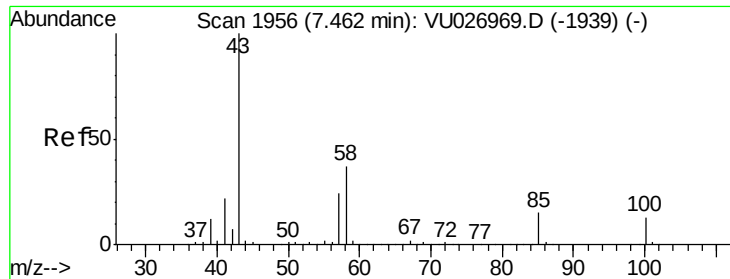
MMDadoda  
9/27/2018 3:33:17 PM



#50  
Toluene-d8  
Concen: 50.576 ug/l  
RT: 7.57 min Scan# 1988  
Delta R.T. -0.00 min  
Lab File: VU027161.D  
Acq: 26 Sep 2018 05:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.7  | 52.1  | 78.1  |





#51

4-Methyl-2-Pentanone

Concen: 283.214 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU027161.D

Acq: 26 Sep 2018 05:12

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 658481

Ion Ratio Lower Upper

43 100

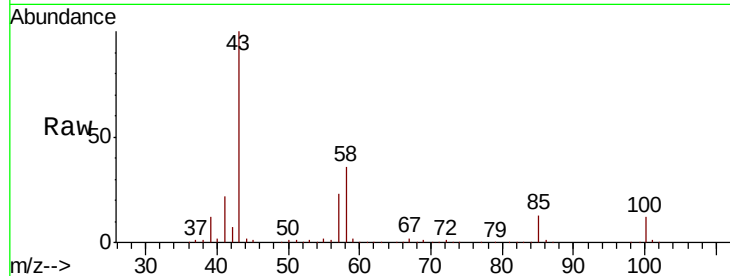
58 36.3 29.8 44.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU027161.D (-1863) (-)

Ion 58.00 (57.70 to 58.70): VU027161.D (-1863) (-)

7.46

400000

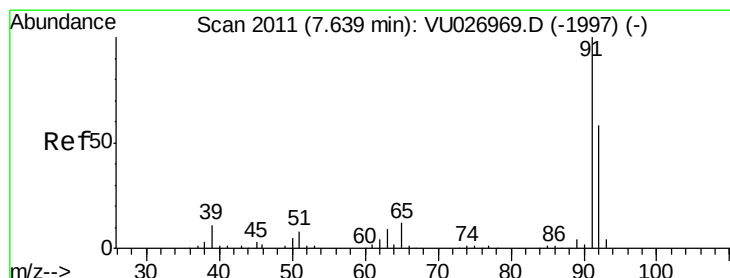
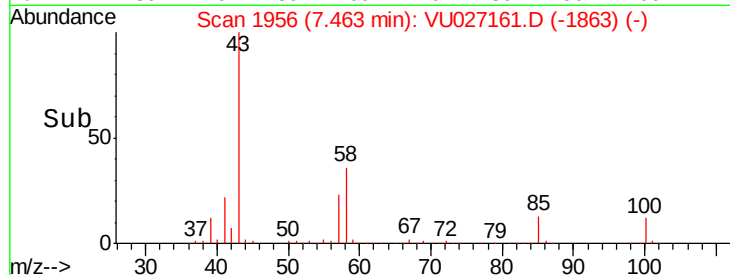
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.931 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027161.D

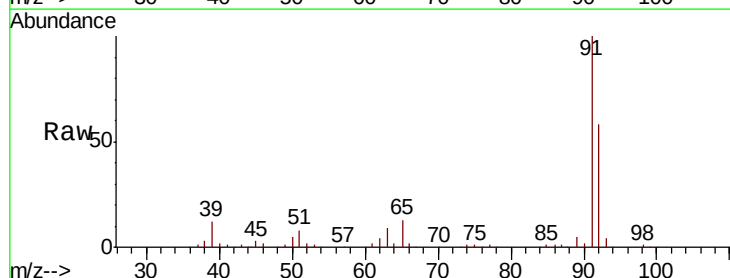
Acq: 26 Sep 2018 05:12

Tgt Ion: 92 Resp: 155402

Ion Ratio Lower Upper

92 100

91 174.0 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VU027161.D (-1918) (-)

Ion 91.00 (90.70 to 91.70): VU027161.D (-1918) (-)

7.64

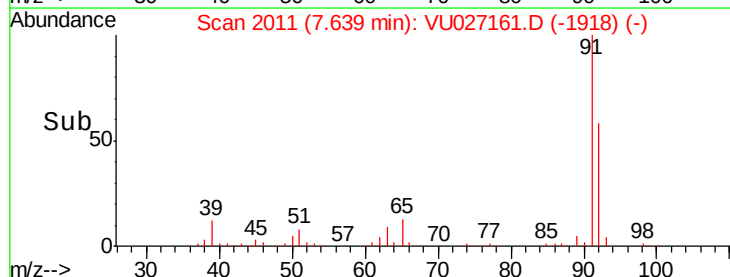
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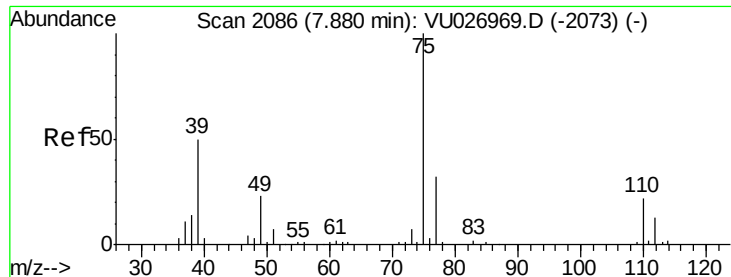
100000

50000

0

Time-->





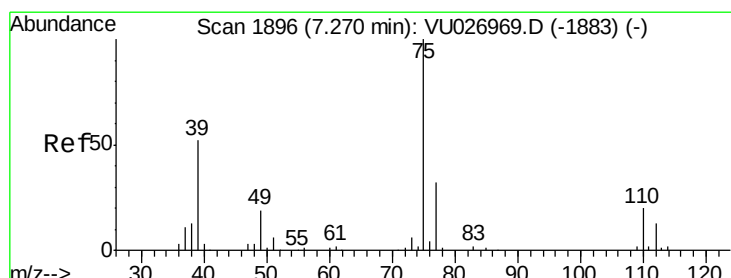
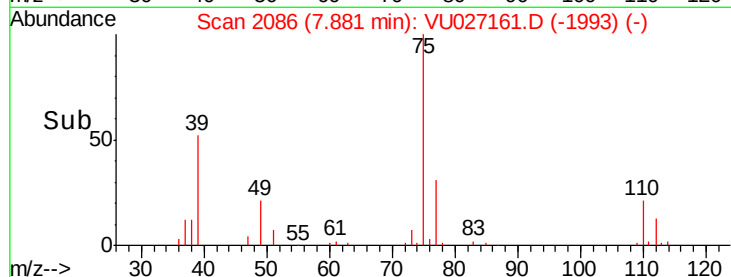
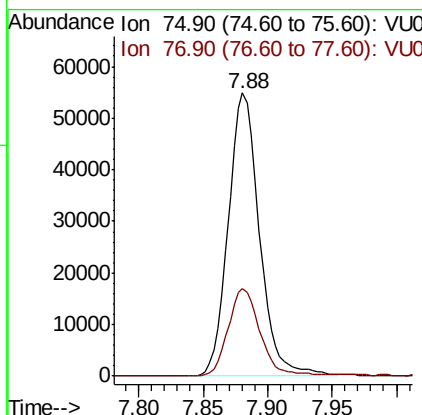
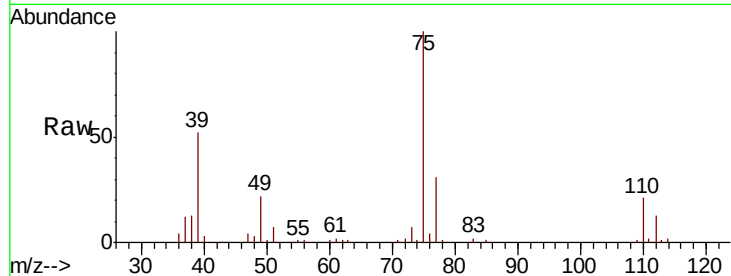
#53  
 t-1,3-Dichloropropene  
 Concen: 46.355 ug/l  
 RT: 7.88 min Scan# 2086  
 Delta R.T. 0.00 min  
 Lab File: VU027161.D  
 Acq: 26 Sep 2018 05:12

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 75 Resp: 92250  
 Ion Ratio Lower Upper  
 75 100  
 77 30.9 25.3 37.9

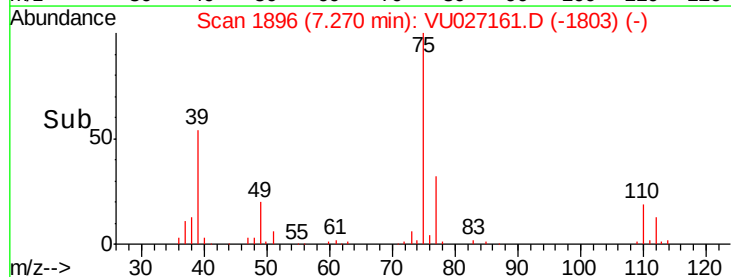
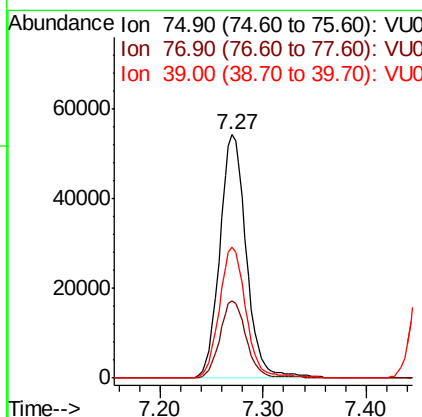
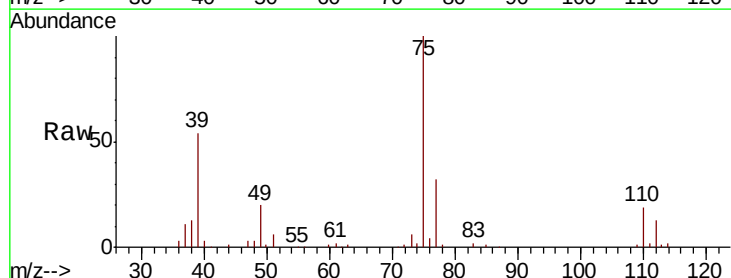
Manual Integrations  
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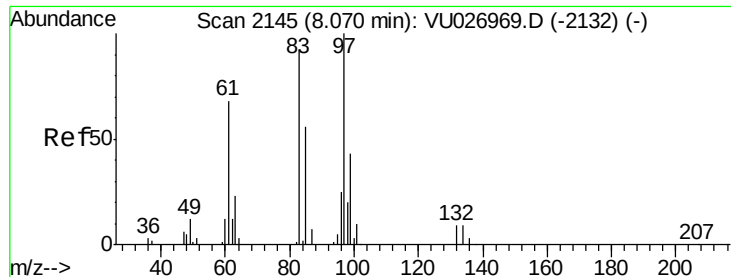


#54  
 cis-1,3-Dichloropropene  
 Concen: 44.384 ug/l  
 RT: 7.27 min Scan# 1896  
 Delta R.T. 0.00 min  
 Lab File: VU027161.D  
 Acq: 26 Sep 2018 05:12

Tgt Ion: 75 Resp: 97119  
 Ion Ratio Lower Upper  
 75 100  
 77 31.6 25.4 38.0  
 39 53.7 41.6 62.4







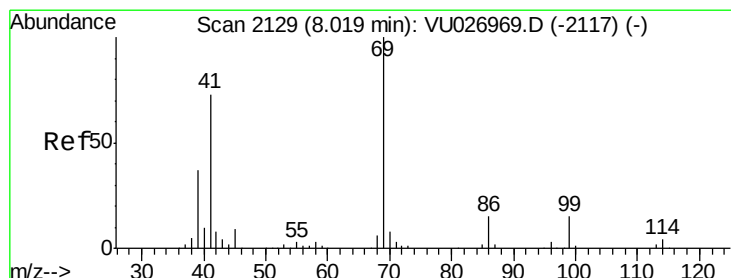
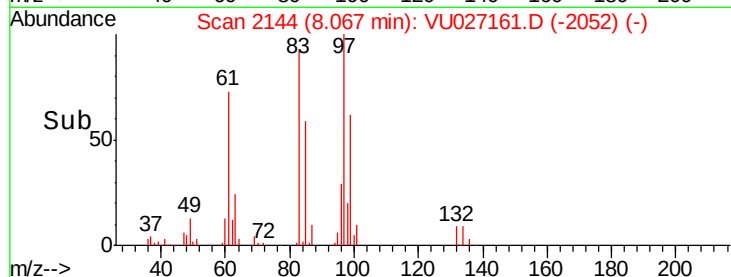
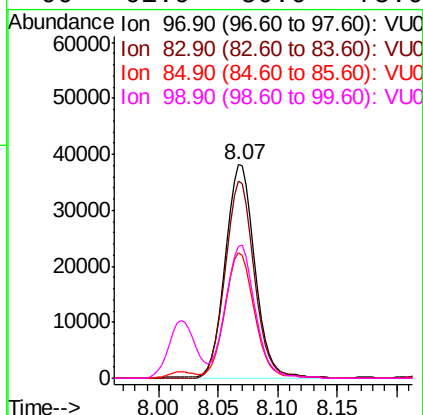
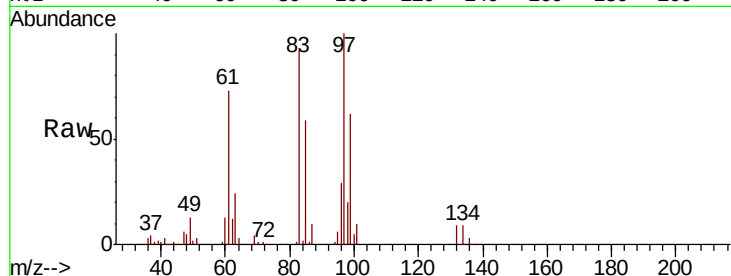
#55  
 1,1,2-Trichloroethane  
 Concen: 51.085 ug/l  
 RT: 8.07 min Scan# 2144  
 Delta R.T. -0.00 min  
 Lab File: VU027161.D  
 Acq: 26 Sep 2018 05:12

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 66046 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 92.5  | 73.1  | 109.7 |
| 85       | 58.8  | 46.7  | 70.1  |
| 99       | 61.9  | 50.0  | 75.0  |

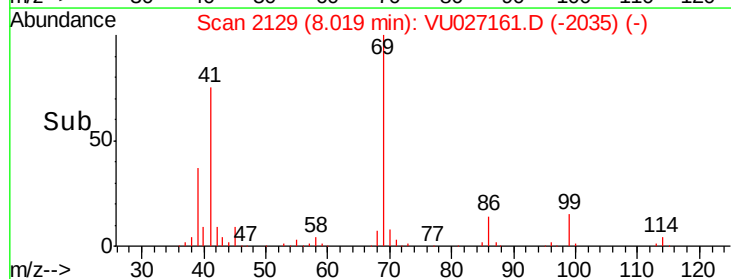
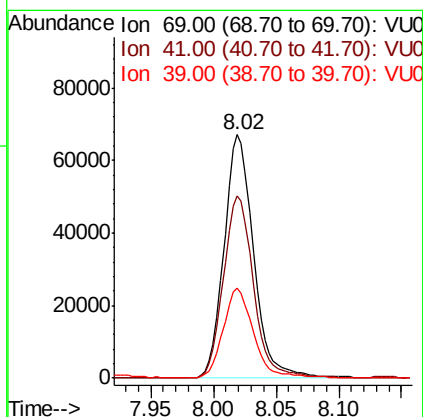
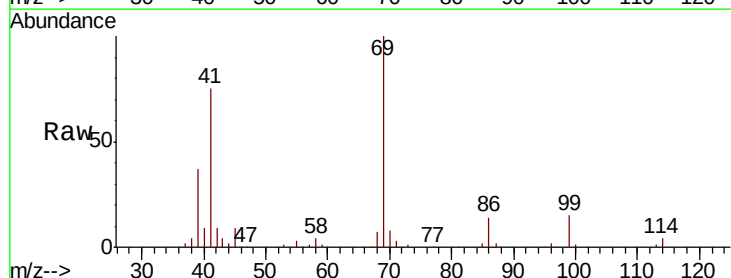
Manual Integrations  
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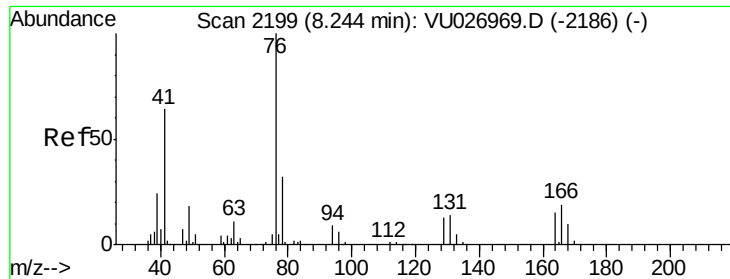
MMDadoda  
 9/27/2018 3:33:17 PM



#56  
 Ethyl methacrylate  
 Concen: 48.927 ug/l  
 RT: 8.02 min Scan# 2129  
 Delta R.T. 0.00 min  
 Lab File: VU027161.D  
 Acq: 26 Sep 2018 05:12

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 109645 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 76.4  | 59.0  | 88.4   |
| 39       | 37.5  | 30.2  | 45.4   |





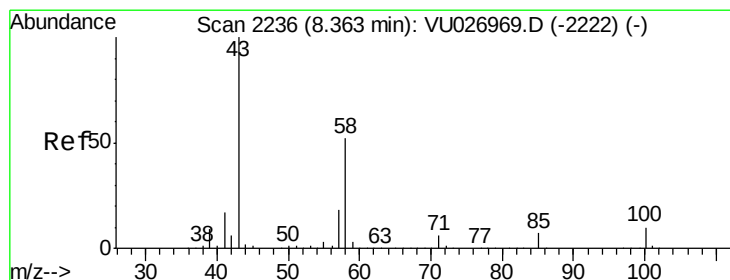
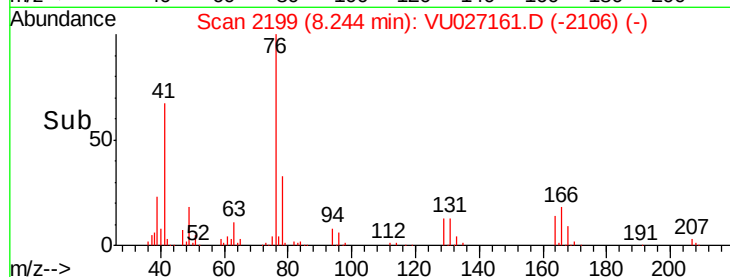
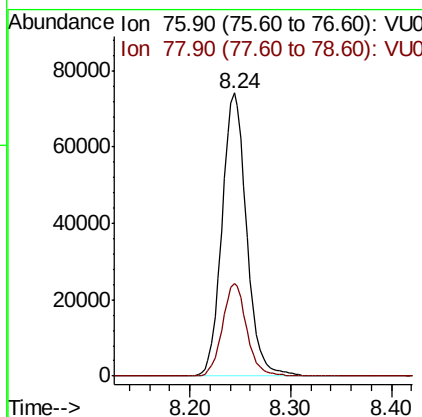
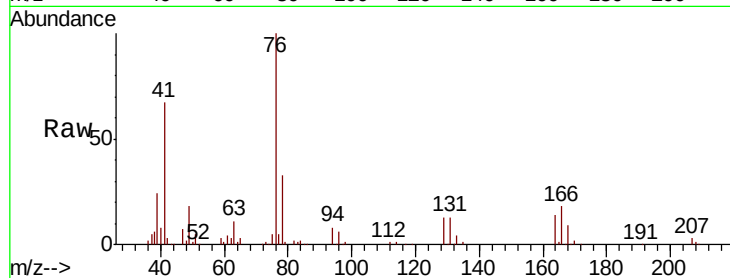
#57  
 1,3-Dichloropropane  
 Concen: 52.649 ug/l  
 RT: 8.24 min Scan# 2199  
 Delta R.T. 0.00 min  
 Lab File: VU027161.D  
 Acq: 26 Sep 2018 05:12

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.3  | 25.5  | 38.3  |

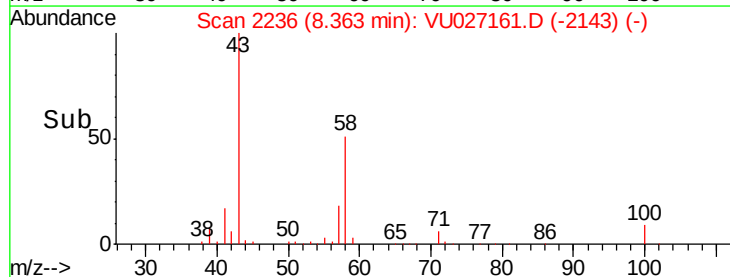
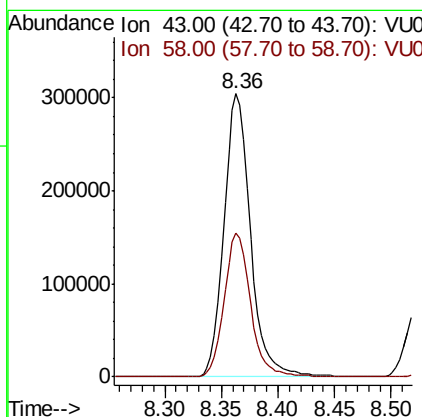
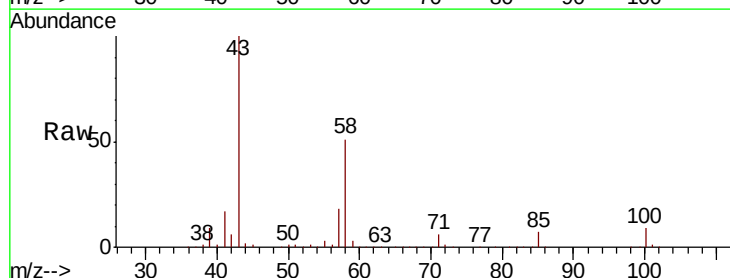
Manual Integrations  
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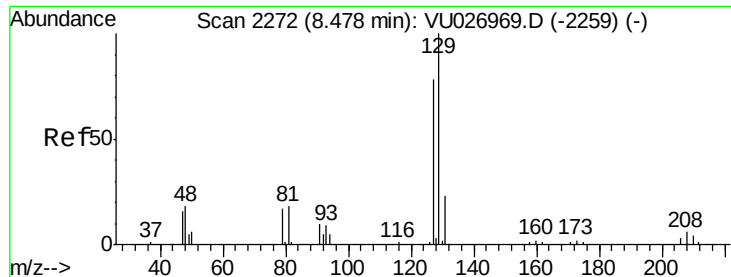
MMDadoda  
 9/27/2018 3:33:17 PM



#59  
 2-Hexanone  
 Concen: 273.053 ug/l  
 RT: 8.36 min Scan# 2236  
 Delta R.T. 0.00 min  
 Lab File: VU027161.D  
 Acq: 26 Sep 2018 05:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 50.6  | 26.1  | 78.2  |





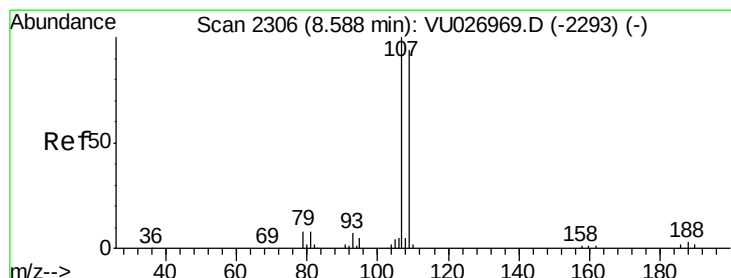
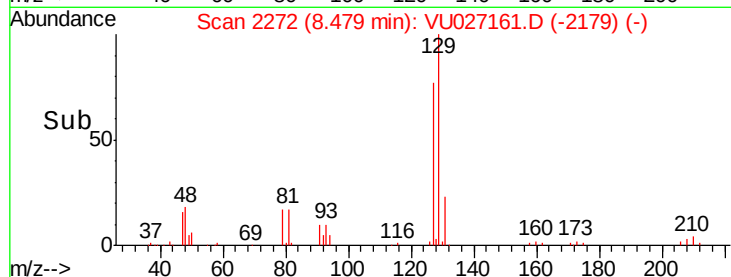
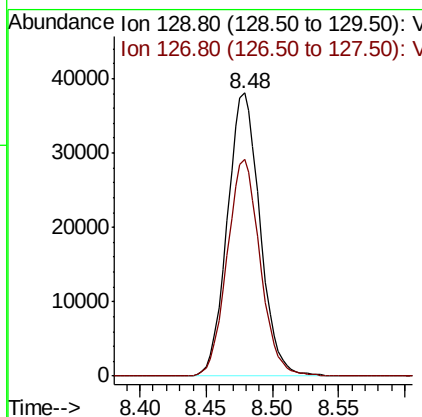
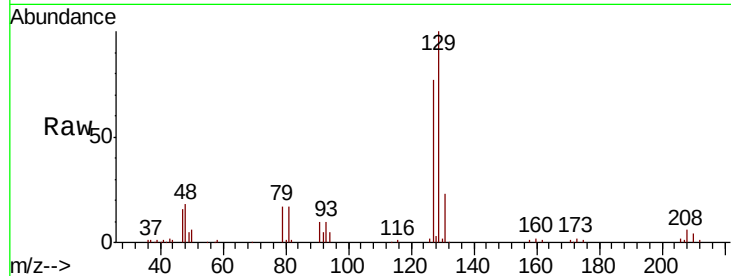
#60  
 Dibromochloromethane  
 Concen: 51.481 ug/l  
 RT: 8.48 min Scan# 2272  
 Delta R.T. 0.00 min  
 Lab File: VU027161.D  
 Acq: 26 Sep 2018 05:12

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 129     | 100   |       |       |
| 127     | 77.2  | 38.1  | 114.5 |

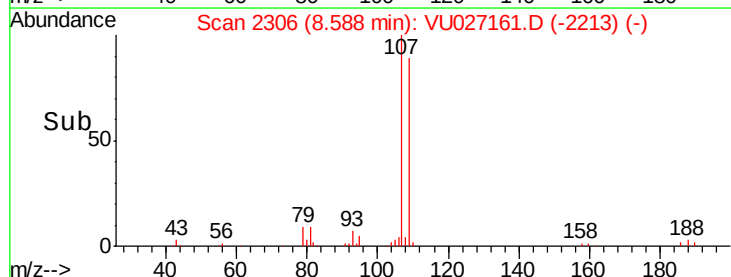
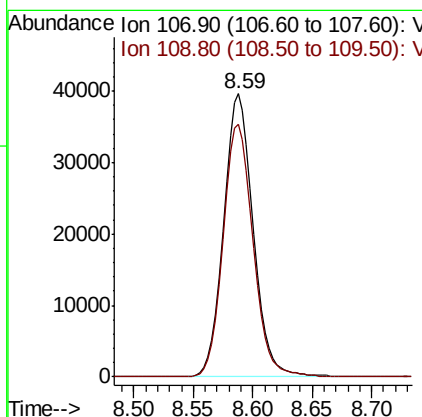
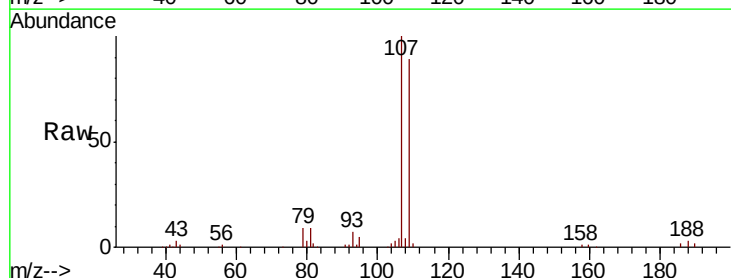
Manual Integrations  
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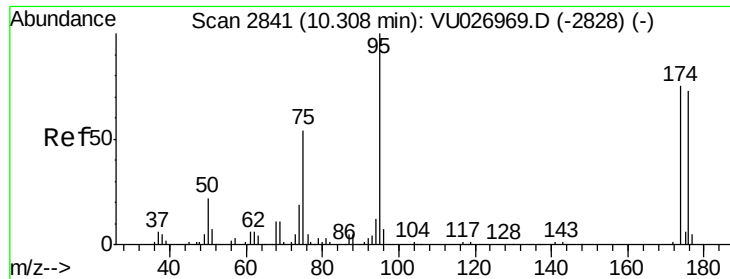
MMDadoda  
 9/27/2018 3:33:17 PM



#61  
 1,2-Dibromoethane  
 Concen: 50.539 ug/l  
 RT: 8.59 min Scan# 2306  
 Delta R.T. 0.00 min  
 Lab File: VU027161.D  
 Acq: 26 Sep 2018 05:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 90.9  | 75.0  | 112.6 |





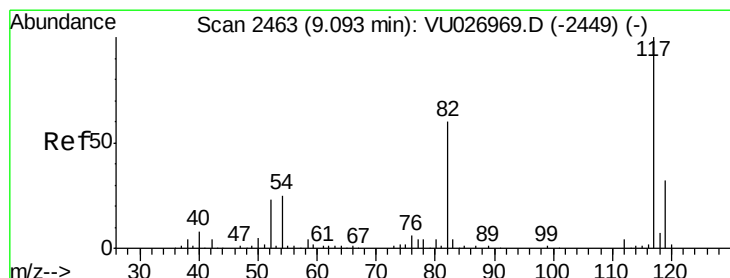
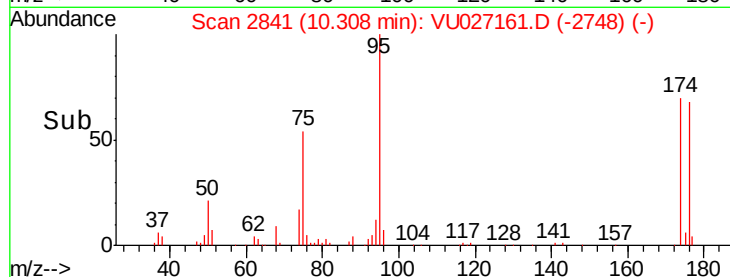
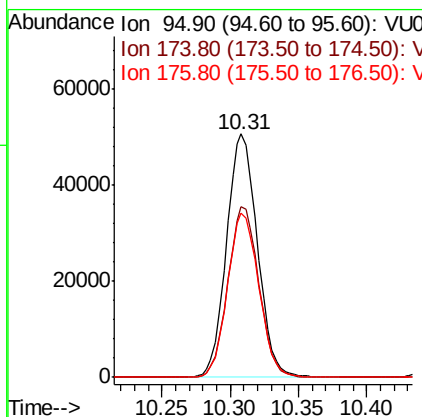
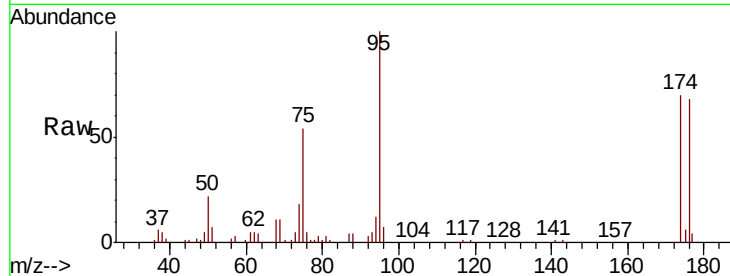
#62  
 4-Bromofluorobenzene  
 Concen: 53.505 ug/l  
 RT: 10.31 min Scan# 2841  
 Delta R.T. 0.00 min  
 Lab File: VU027161.D  
 Acq: 26 Sep 2018 05:12

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 70.6  | 0.0   | 150.2 |
| 176     | 68.6  | 0.0   | 145.2 |

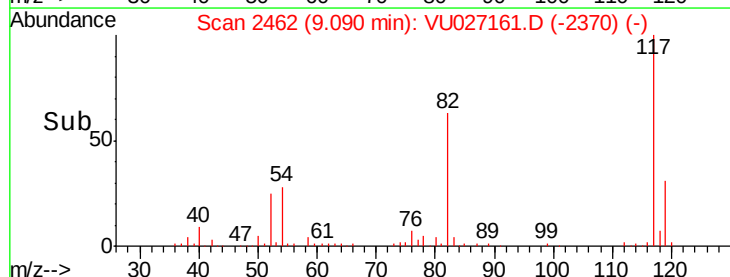
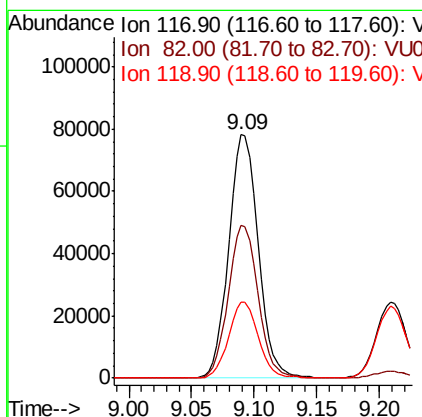
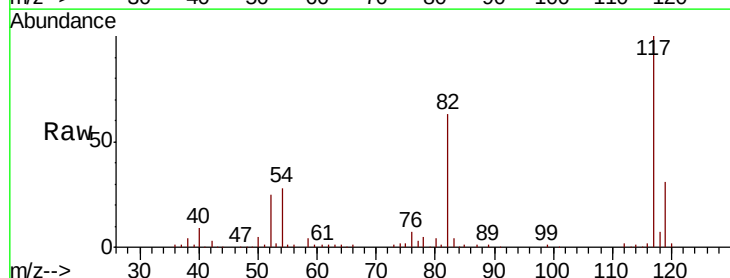
Manual Integrations  
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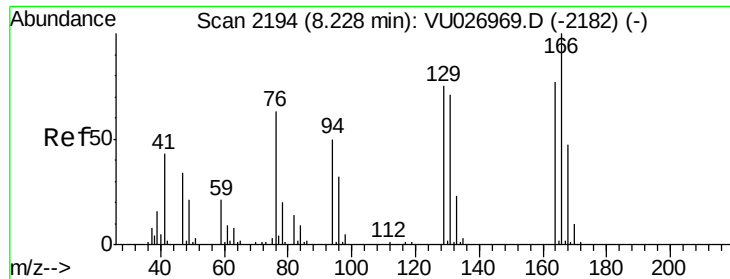
MMDadoda  
 9/27/2018 3:33:17 PM



#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 9.09 min Scan# 2462  
 Delta R.T. -0.00 min  
 Lab File: VU027161.D  
 Acq: 26 Sep 2018 05:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 62.9  | 48.0  | 72.0  |
| 119     | 31.2  | 25.8  | 38.8  |





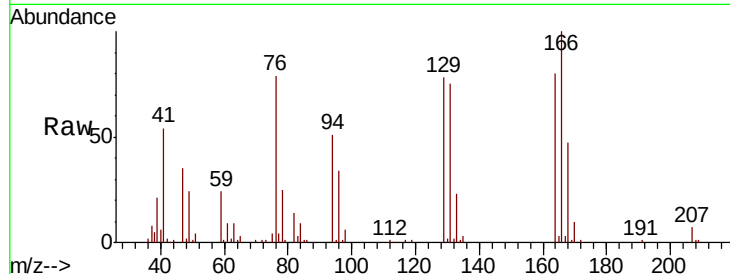
#64  
Tetrachloroethene  
Concen: 45.280 ug/l  
RT: 8.23 min Scan# 2194  
Delta R.T. 0.00 min  
Lab File: VU027161.D  
Acq: 26 Sep 2018 05:12

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 125.1 | 104.4 | 156.6 |
| 129     | 97.0  | 78.7  | 118.1 |
| 131     | 94.0  | 73.9  | 110.9 |

Manual Integrations  
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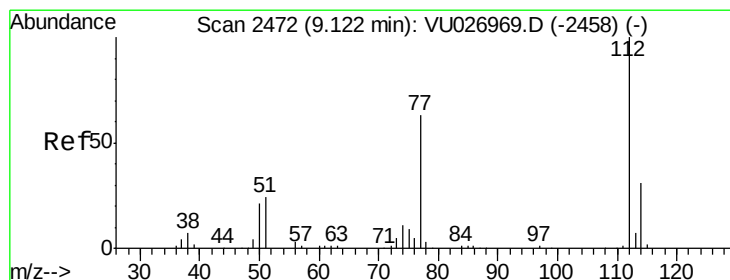
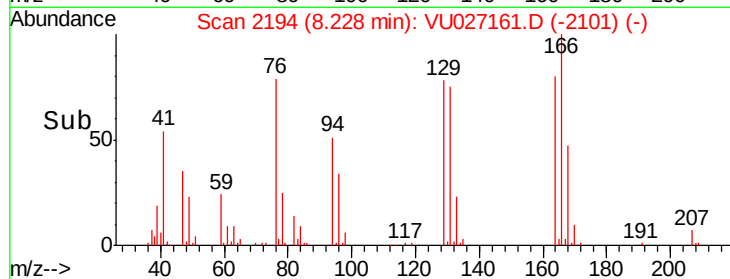
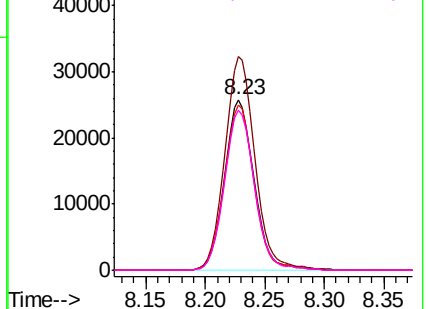
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

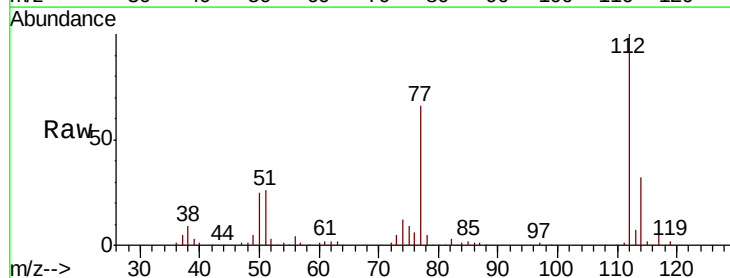
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65  
Chlorobenzene  
Concen: 46.815 ug/l  
RT: 9.12 min Scan# 2471  
Delta R.T. -0.00 min  
Lab File: VU027161.D  
Acq: 26 Sep 2018 05:12

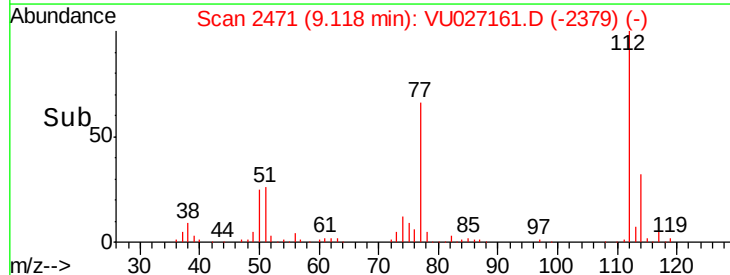
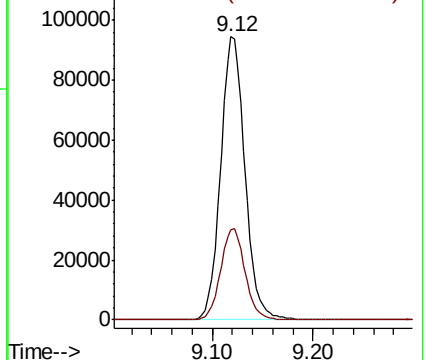
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 31.9  | 25.0  | 37.6  |

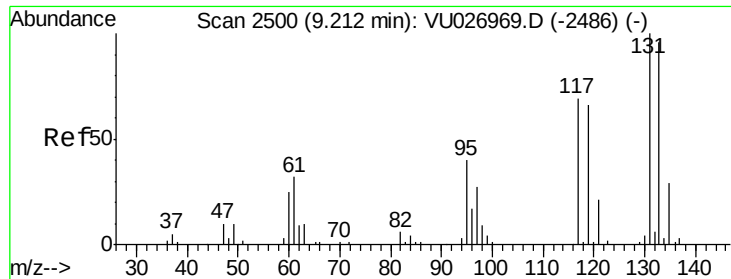


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





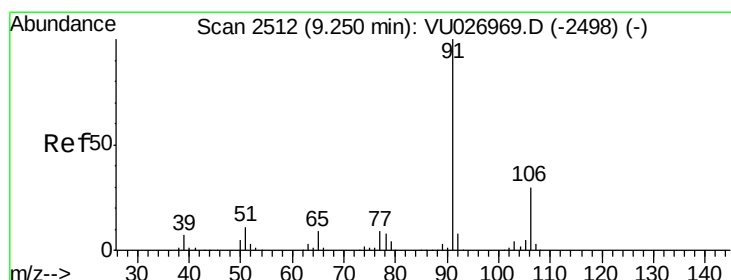
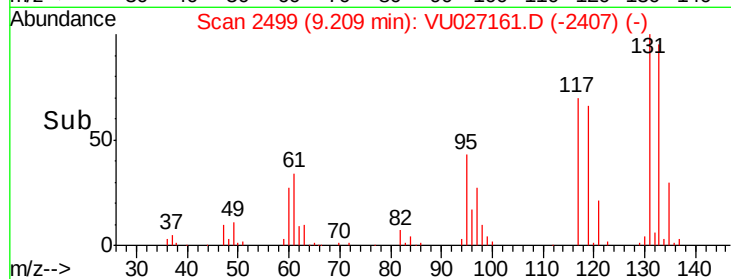
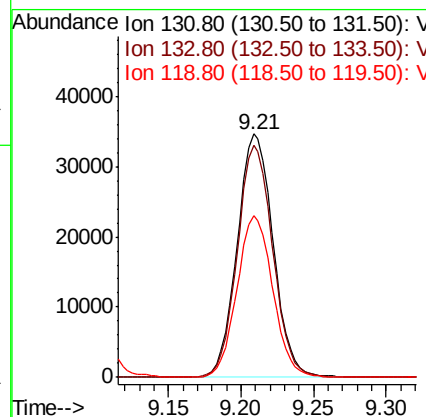
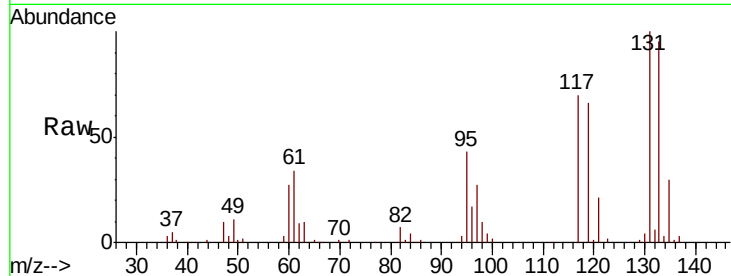
#66  
 1,1,1,2-Tetrachloroethane  
 Concen: 50.976 ug/l  
 RT: 9.21 min Scan# 2499  
 Delta R.T. -0.00 min  
 Lab File: VU027161.D  
 Acq: 26 Sep 2018 05:12

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 94.0  | 48.0  | 144.2 |
| 119     | 66.2  | 33.4  | 100.1 |

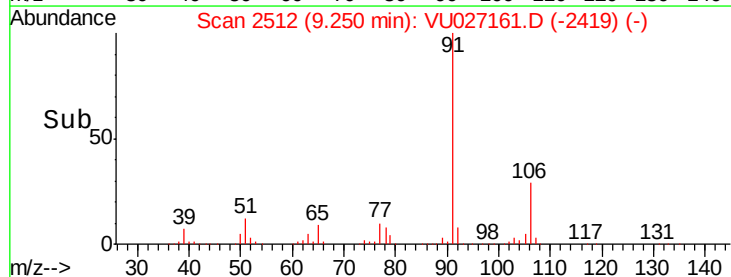
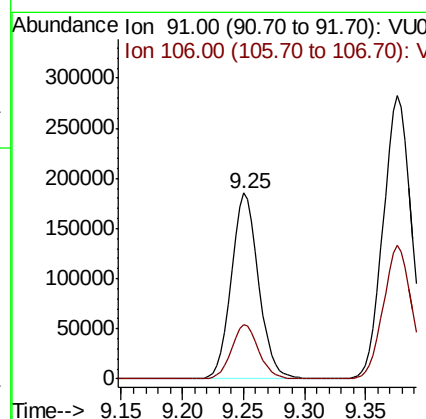
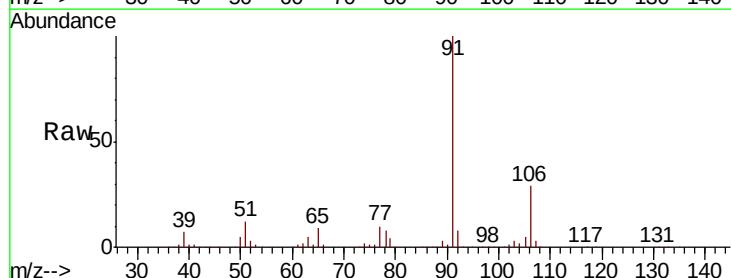
Manual Integrations  
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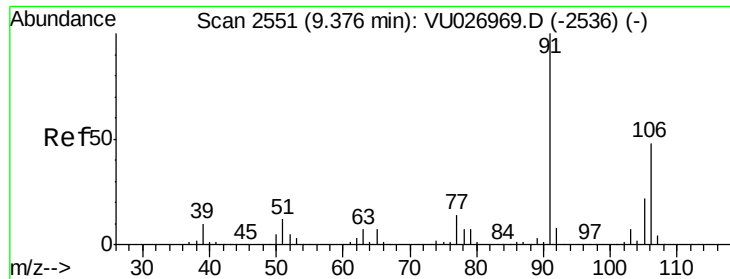
MMDadoda  
 9/27/2018 3:33:17 PM



#67  
 Ethyl Benzene  
 Concen: 52.064 ug/l  
 RT: 9.25 min Scan# 2512  
 Delta R.T. 0.00 min  
 Lab File: VU027161.D  
 Acq: 26 Sep 2018 05:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 106     | 29.2  | 23.8  | 35.8  |





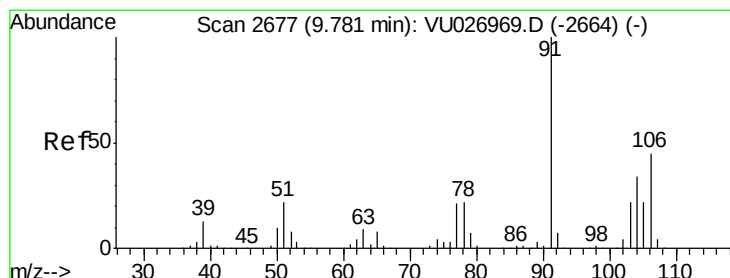
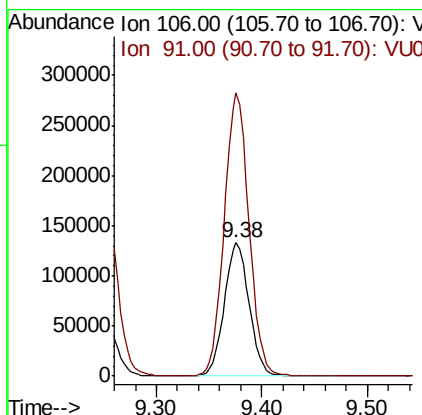
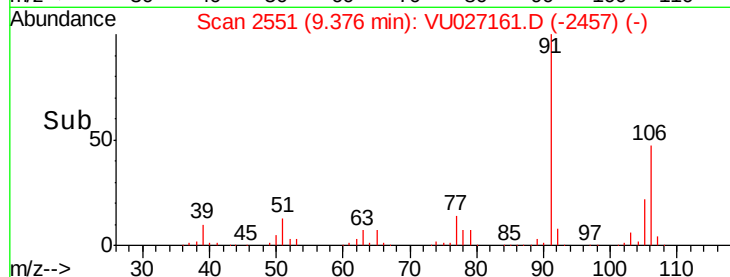
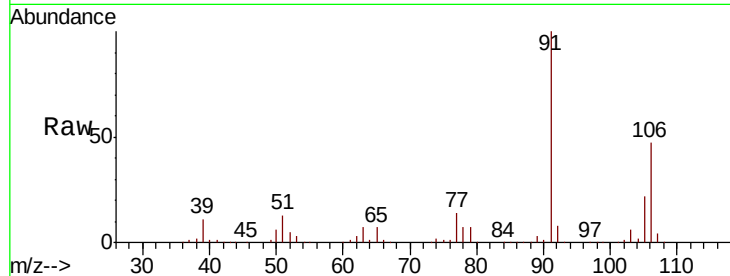
#68  
m/p-Xylenes  
Concen: 95.568 ug/l  
RT: 9.38 min Scan# 2551  
Delta R.T. 0.00 min  
Lab File: VU027161.D  
Acq: 26 Sep 2018 05:12

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:106 Resp: 215983  
Ion Ratio Lower Upper  
106 100  
91 211.7 166.5 249.7

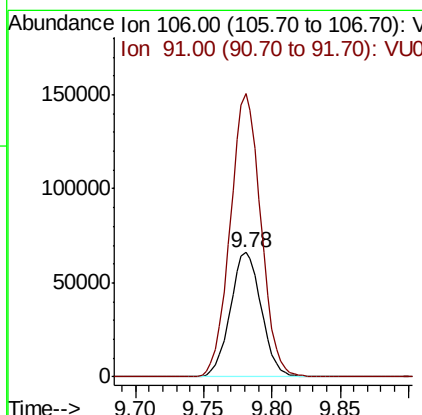
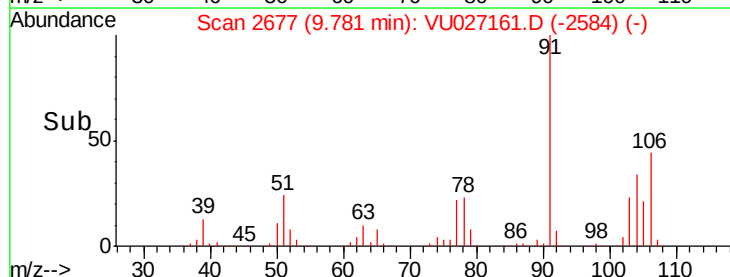
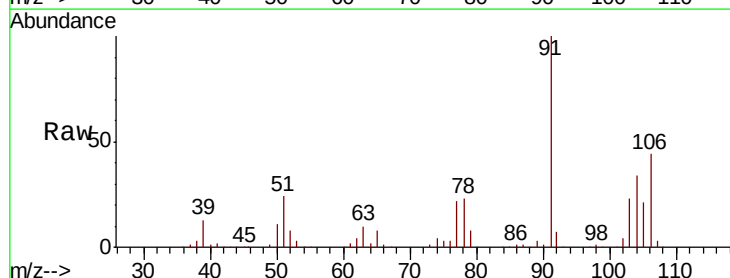
Manual Integrations  
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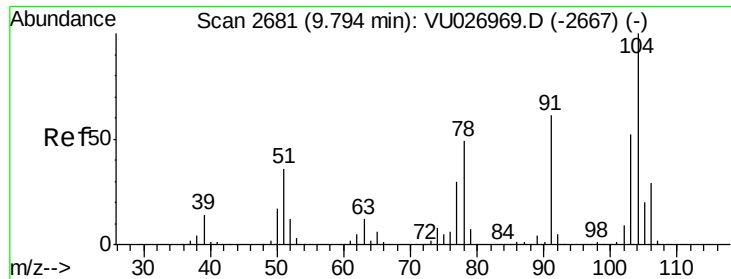
MMDadoda  
9/27/2018 3:33:17 PM



#69  
o-Xylene  
Concen: 52.753 ug/l  
RT: 9.78 min Scan# 2677  
Delta R.T. 0.00 min  
Lab File: VU027161.D  
Acq: 26 Sep 2018 05:12

Tgt Ion:106 Resp: 104377  
Ion Ratio Lower Upper  
106 100  
91 225.1 110.2 330.6





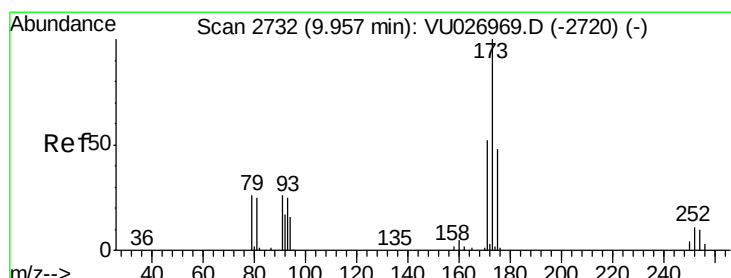
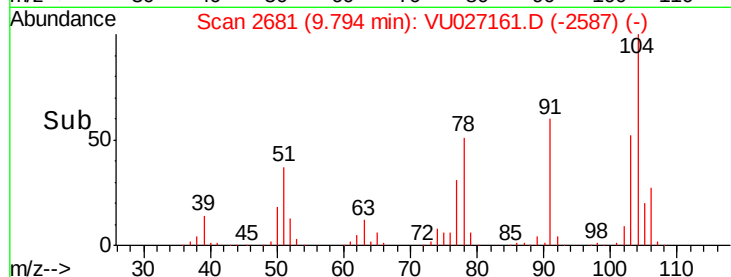
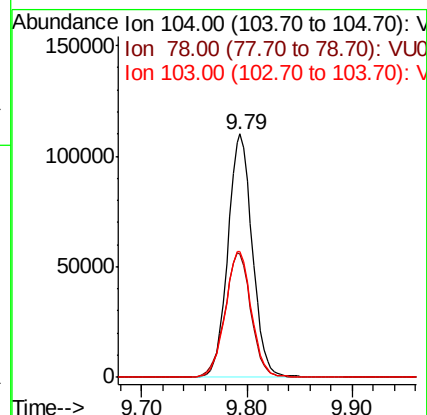
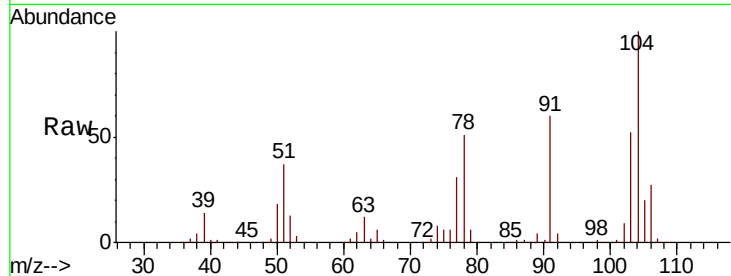
#70  
Stvrene  
Concen: 47.600 ug/l  
RT: 9.79 min Scan# 2681  
Delta R.T. 0.00 min  
Lab File: VU027161.D  
Acq: 26 Sep 2018 05:12

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 54.8  | 43.0  | 64.4  |
| 103     | 55.4  | 44.1  | 66.1  |

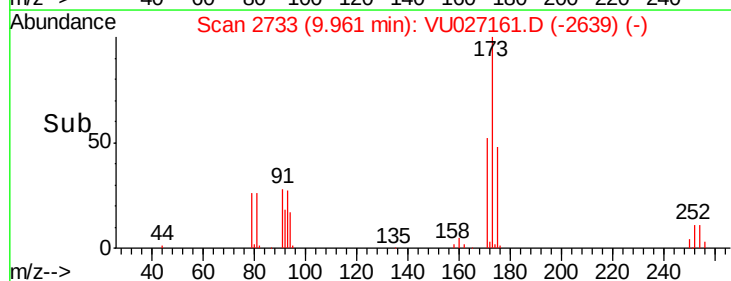
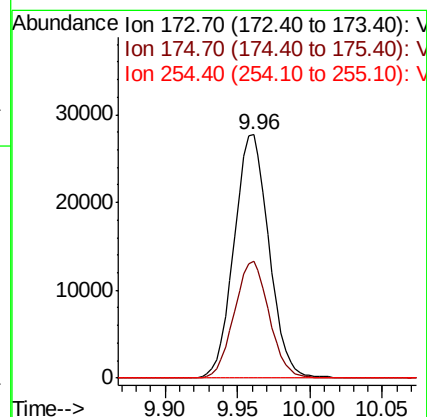
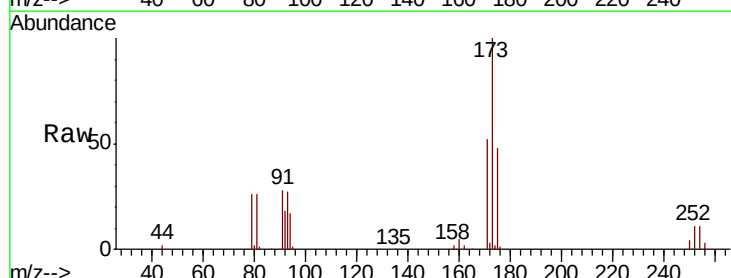
Manual Integrations  
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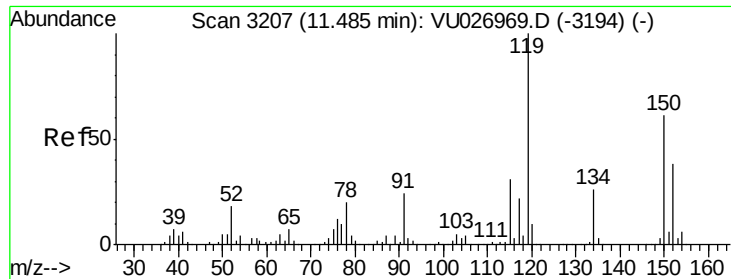


#71  
Bromoform  
Concen: 51.266 ug/l  
RT: 9.96 min Scan# 2733  
Delta R.T. 0.00 min  
Lab File: VU027161.D  
Acq: 26 Sep 2018 05:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 47.8  | 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: VU027161.D

Acq: 26 Sep 2018 05:12

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:152 Resp: 70652

Ion Ratio Lower Upper

152 100

115 87.9 44.9 134.5

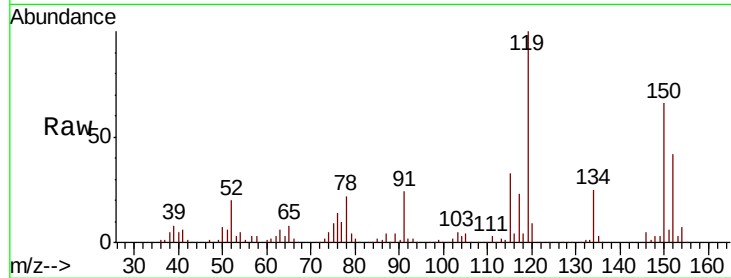
150 173.7 0.0 355.8

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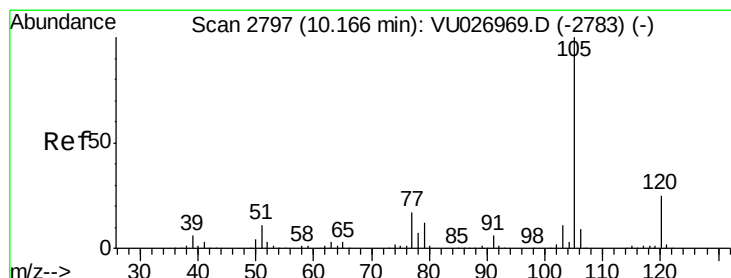
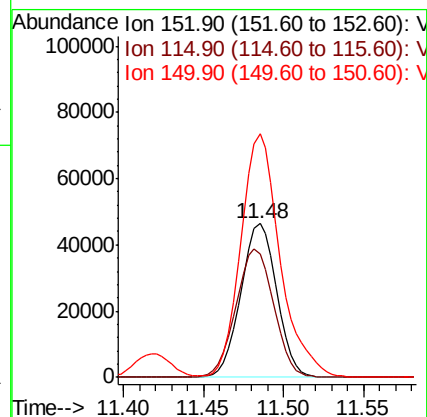
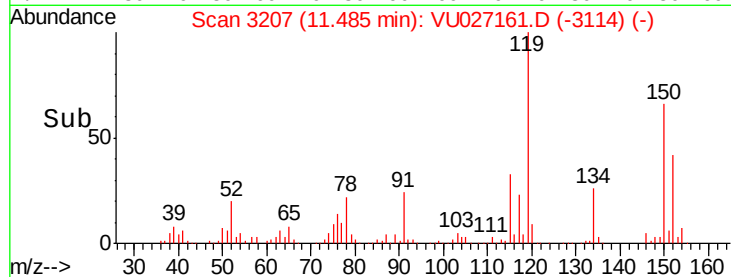
9/27/2018 3:33:17 PM



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: 52.351 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027161.D

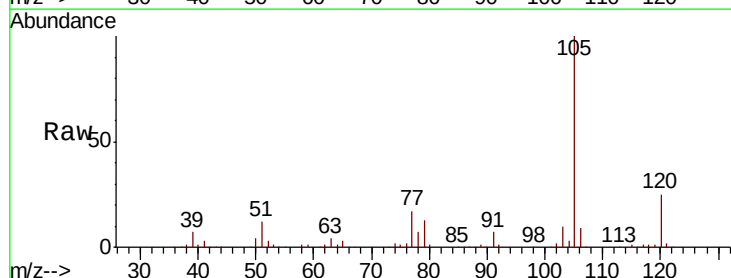
Acq: 26 Sep 2018 05:12

Tgt Ion:105 Resp: 281355

Ion Ratio Lower Upper

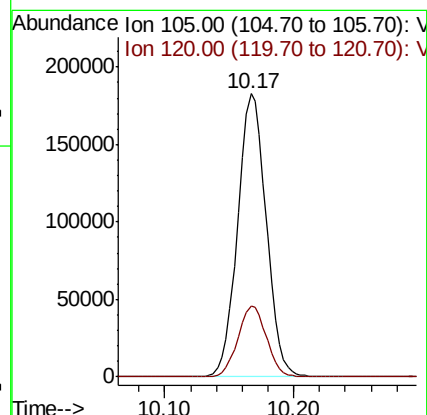
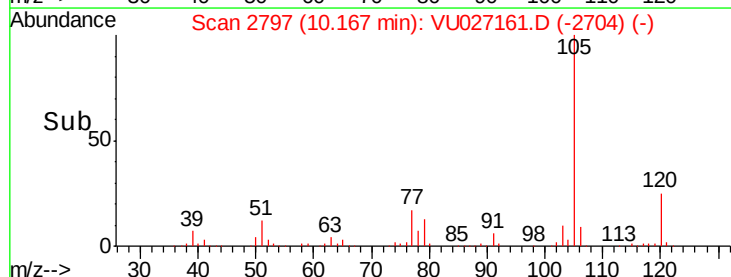
105 100

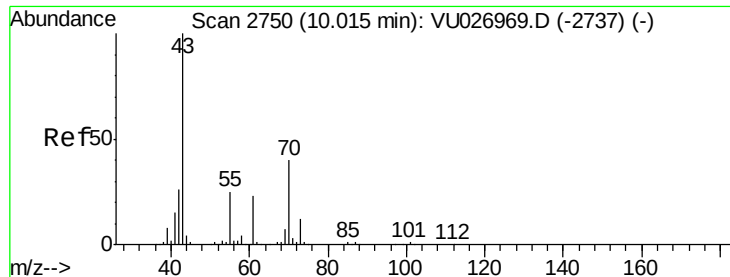
120 25.0 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 41.280 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU027161.D

Acq: 26 Sep 2018 05:12

Instrument :

MSVOA\_U

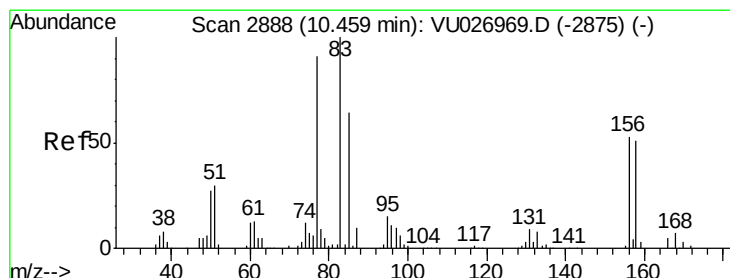
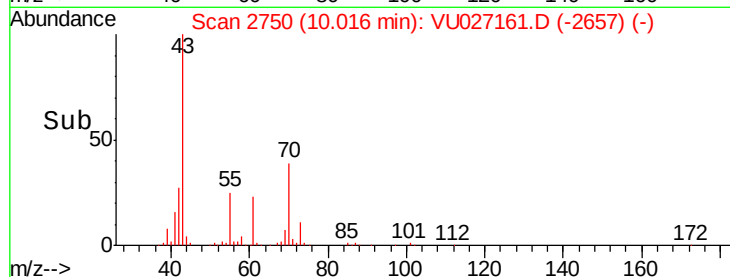
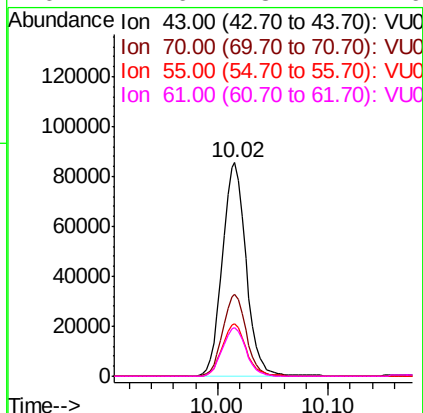
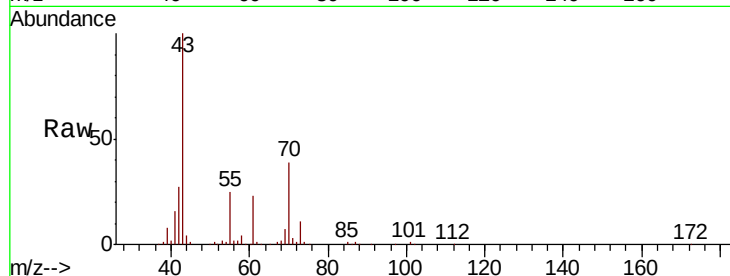
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 128421 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 70       | 37.8  | 31.8  | 47.8   |
| 55       | 24.7  | 19.9  | 29.9   |
| 61       | 22.6  | 18.4  | 27.6   |

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#75

1,1,2,2-Tetrachloroethane

Concen: 46.772 ug/l

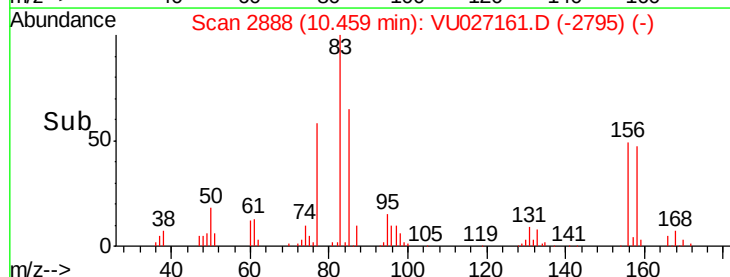
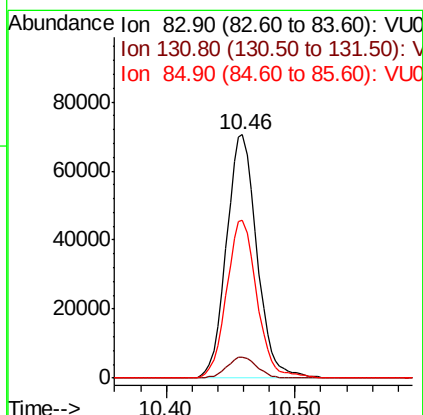
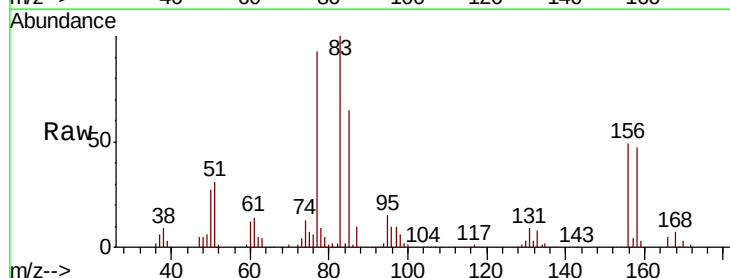
RT: 10.46 min Scan# 2888

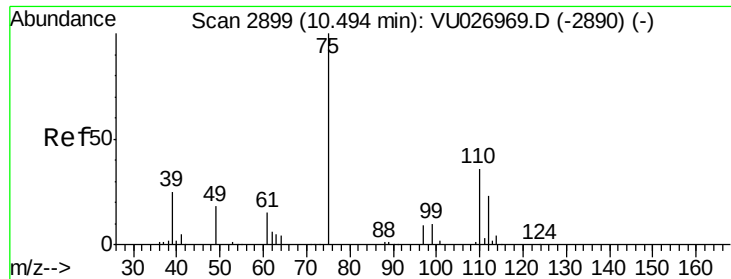
Delta R.T. 0.00 min

Lab File: VU027161.D

Acq: 26 Sep 2018 05:12

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 115574 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 131      | 8.4   | 4.3   | 12.8   |
| 85       | 64.7  | 31.9  | 95.7   |





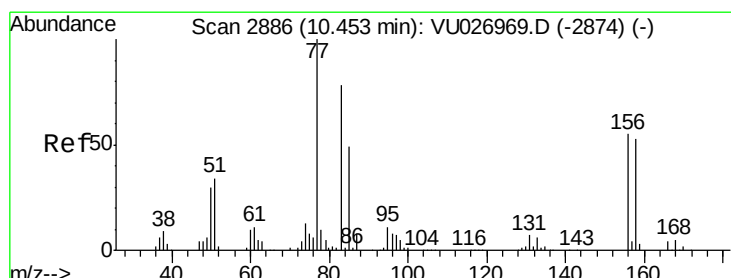
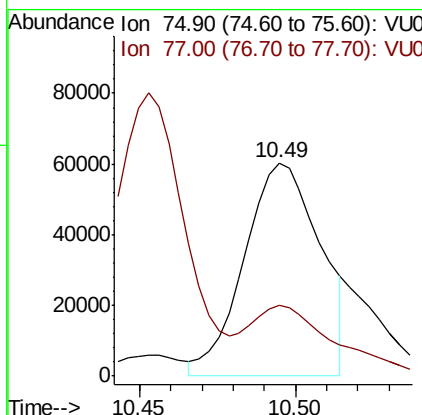
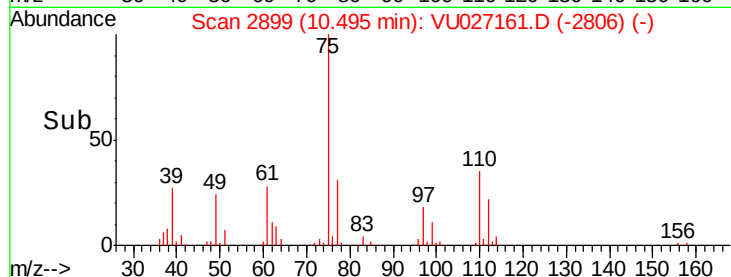
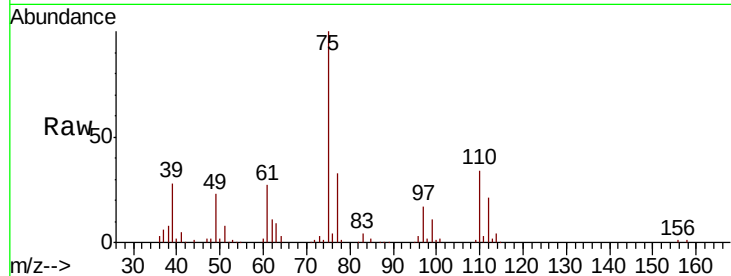
#76  
 1,2,3-Trichloropropane  
 Concen: 47.475 ug/l m  
 RT: 10.49 min Scan# 2899  
 Delta R.T. 0.00 min  
 Lab File: VU027161.D  
 Acq: 26 Sep 2018 05:12

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 75 Resp: 101900  
 Ion Ratio Lower Upper  
 75 100  
 77 36.7 20.9 62.8

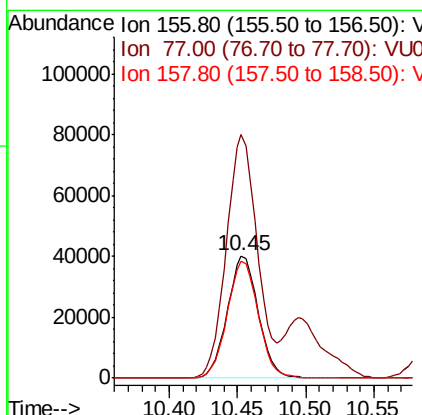
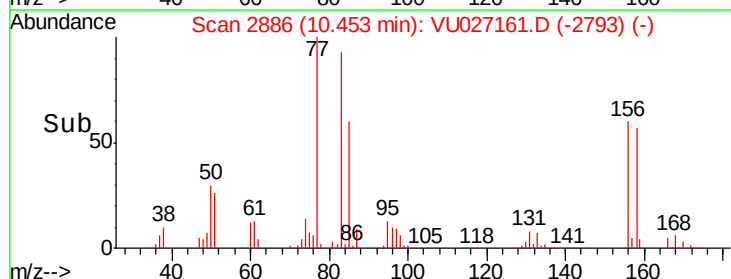
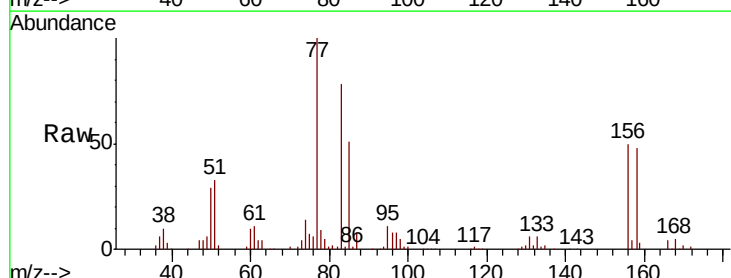
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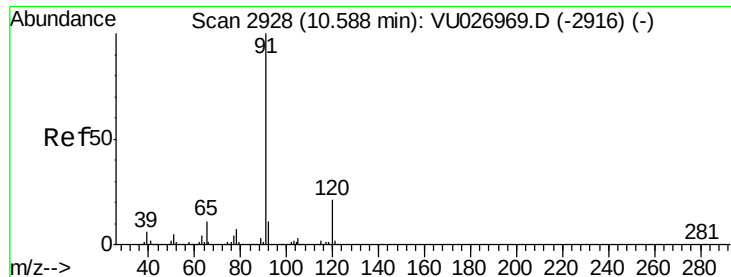
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#77  
 Bromobenzene  
 Concen: 48.408 ug/l  
 RT: 10.45 min Scan# 2886  
 Delta R.T. 0.00 min  
 Lab File: VU027161.D  
 Acq: 26 Sep 2018 05:12

Tgt Ion: 156 Resp: 63576  
 Ion Ratio Lower Upper  
 156 100  
 77 198.9 92.3 276.9  
 158 95.8 48.1 144.3





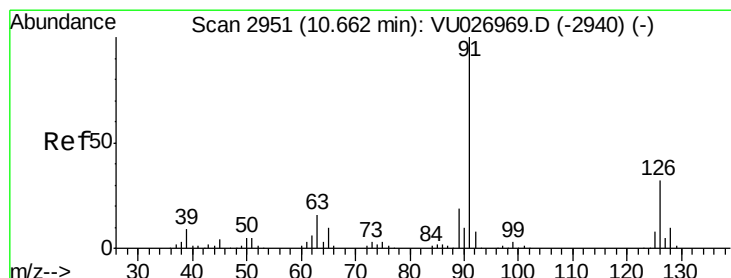
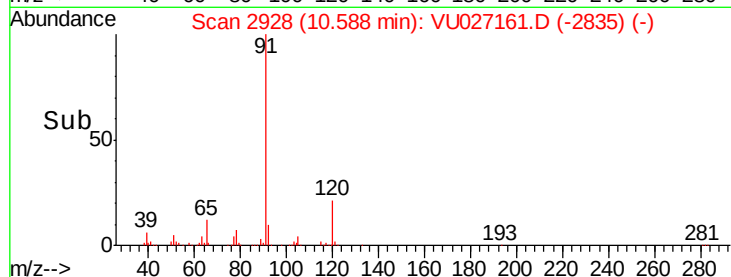
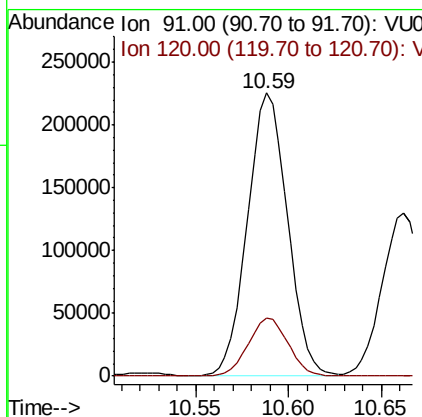
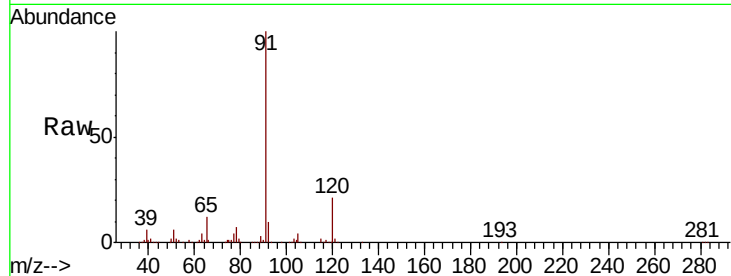
#78  
n-propylbenzene  
Concen: 53.176 ug/l  
RT: 10.59 min Scan# 2928  
Delta R.T. 0.00 min  
Lab File: VU027161.D  
Acq: 26 Sep 2018 05:12

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 20.4  | 10.6  | 31.8  |

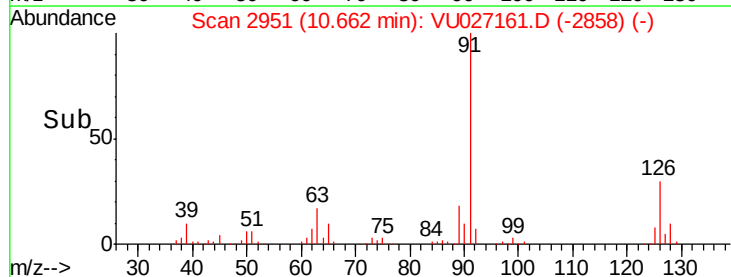
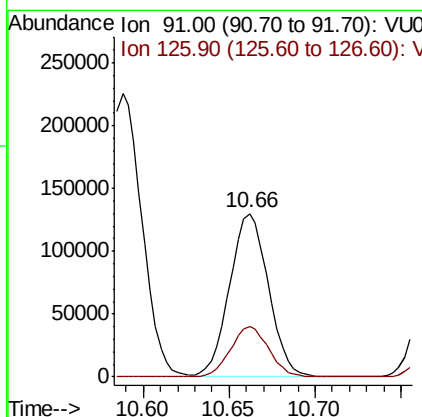
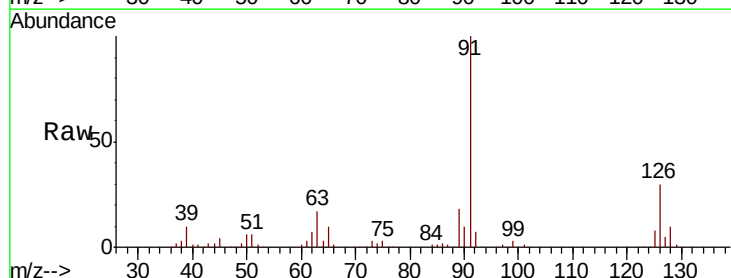
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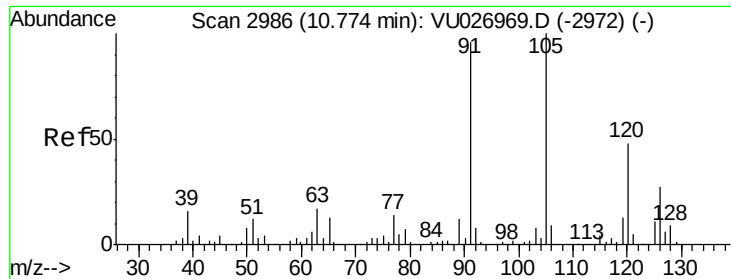
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#79  
2-Chlorotoluene  
Concen: 50.767 ug/l  
RT: 10.66 min Scan# 2951  
Delta R.T. 0.00 min  
Lab File: VU027161.D  
Acq: 26 Sep 2018 05:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 30.4  | 15.8  | 47.3  |





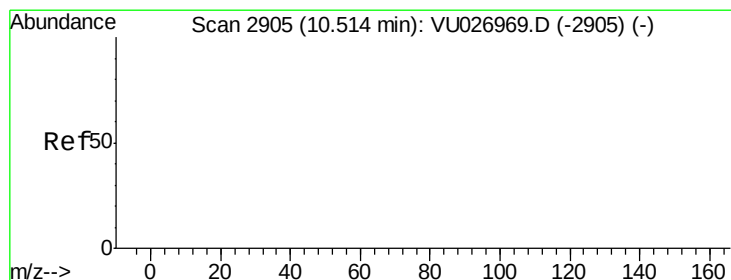
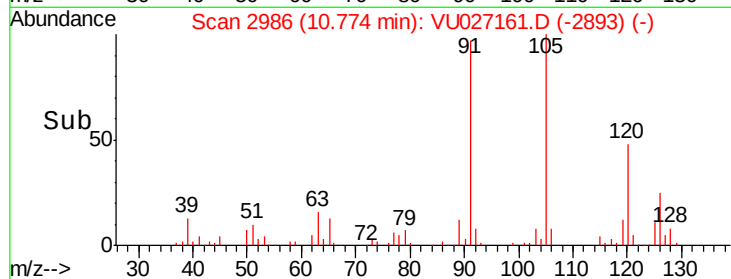
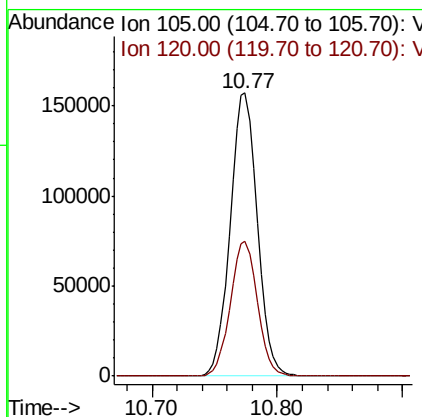
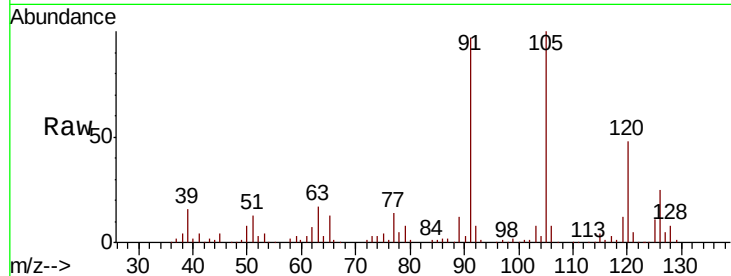
#80  
 1,3,5-Trimethylbenzene  
 Concen: 52.953 ug/l  
 RT: 10.77 min Scan# 2986  
 Delta R.T. 0.00 min  
 Lab File: VU027161.D  
 Acq: 26 Sep 2018 05:12

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion:105 Resp: 234924  
 Ion Ratio Lower Upper  
 105 100  
 120 47.7 23.9 71.7

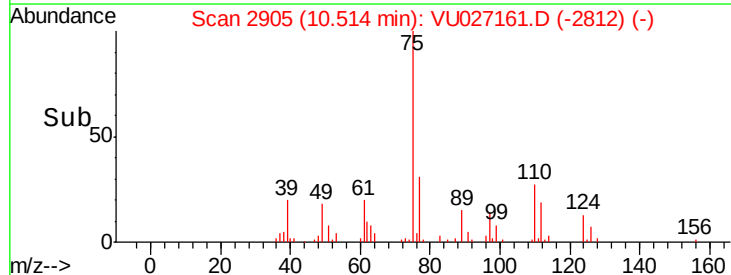
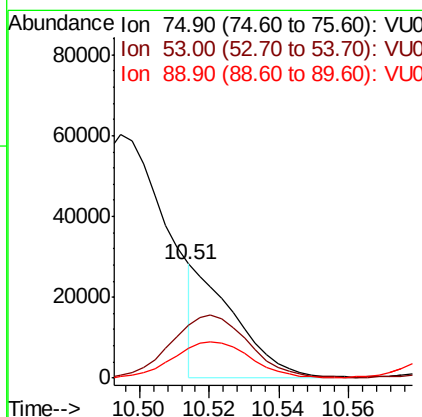
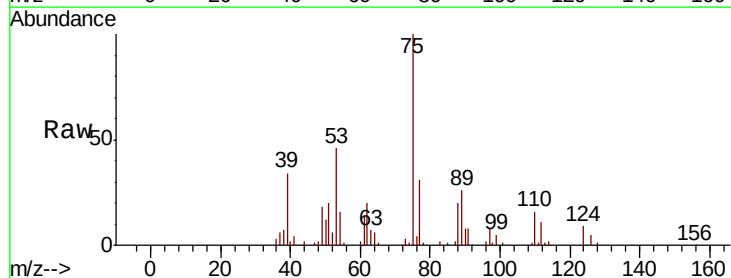
Manual Integrations  
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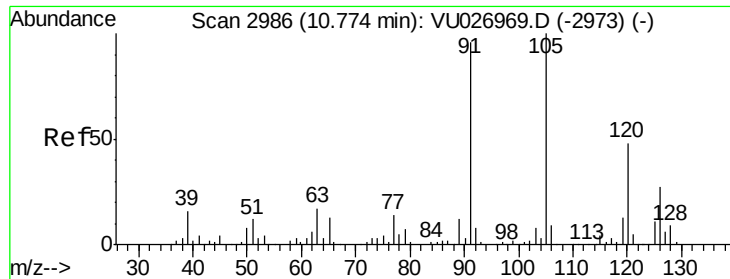
MMDadoda  
 9/27/2018 3:33:17 PM



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 34.232 ug/l m  
 RT: 10.51 min Scan# 2905  
 Delta R.T. 0.00 min  
 Lab File: VU027161.D  
 Acq: 26 Sep 2018 05:12

Tgt Ion: 75 Resp: 22960  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 0.0 0.0  
 89 0.0 0.0 0.0





#82

4-Chlorotoluene

Concen: 52.080 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU027161.D

Acq: 26 Sep 2018 05:12

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 233259

Ion Ratio Lower Upper

91 100

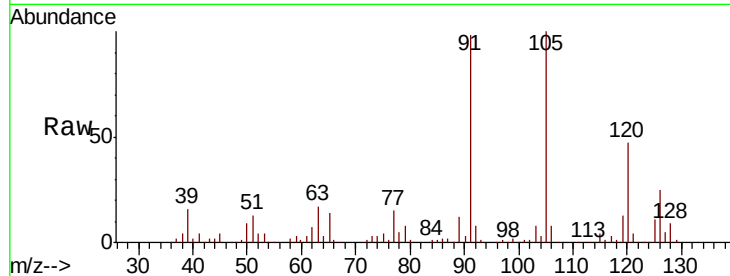
126 26.5 14.1 42.2

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Abundance Ion 91.00 (90.70 to 91.70): VU026969.D (-2973) (-)

Ion 125.90 (125.60 to 126.60): VU026969.D (-2973) (-)

10.77

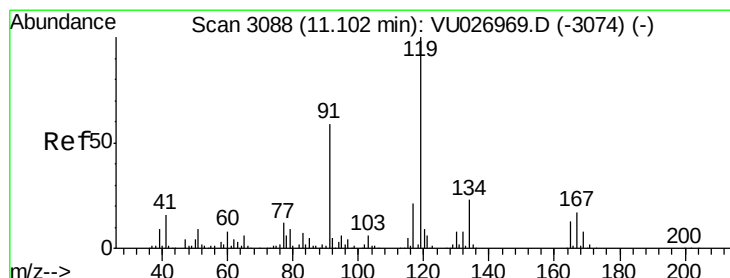
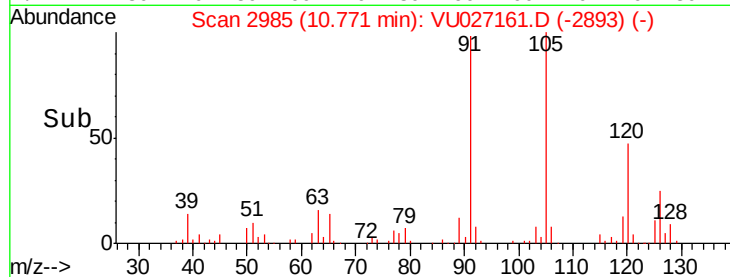
150000

100000

50000

0

Time-->



#83

tert-Butylbenzene

Concen: 51.318 ug/l

RT: 11.10 min Scan# 3088

Delta R.T. 0.00 min

Lab File: VU027161.D

Acq: 26 Sep 2018 05:12

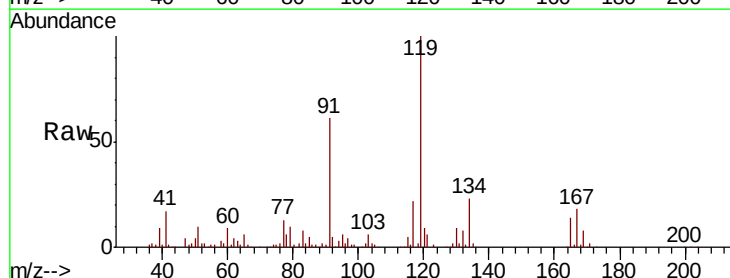
Tgt Ion: 119 Resp: 225087

Ion Ratio Lower Upper

119 100

91 60.8 29.8 89.4

134 22.7 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): VU026969.D (-3074) (-)

Ion 91.00 (90.70 to 91.70): VU026969.D (-3074) (-)

Ion 134.00 (133.70 to 134.70): VU026969.D (-3074) (-)

11.10

200000

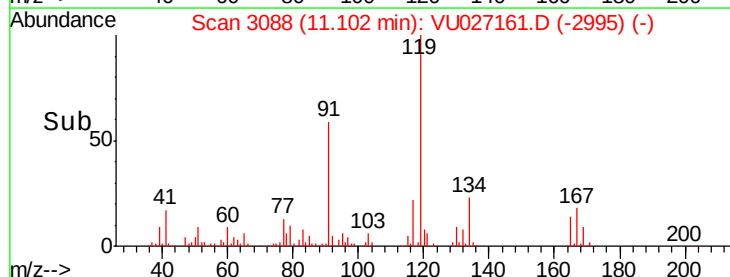
150000

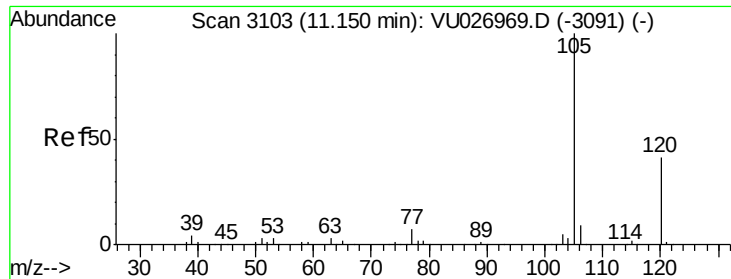
100000

50000

0

Time-->





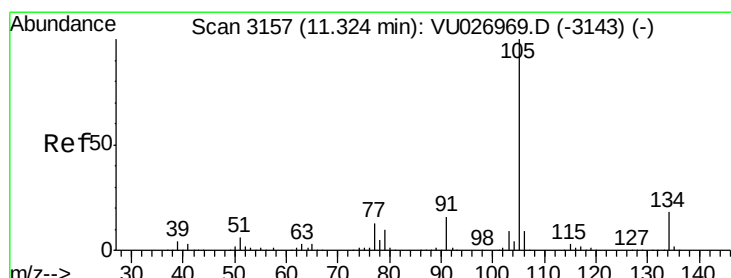
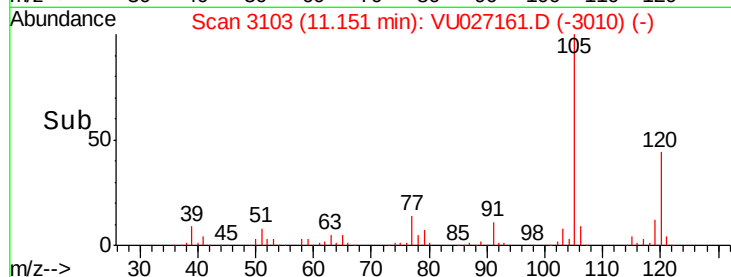
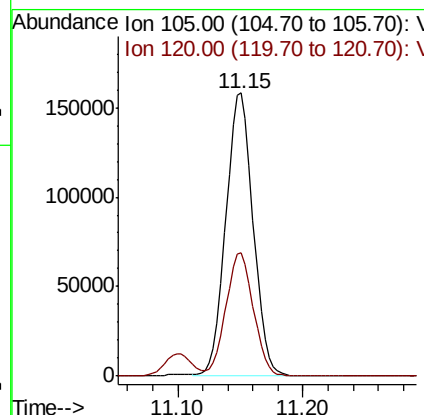
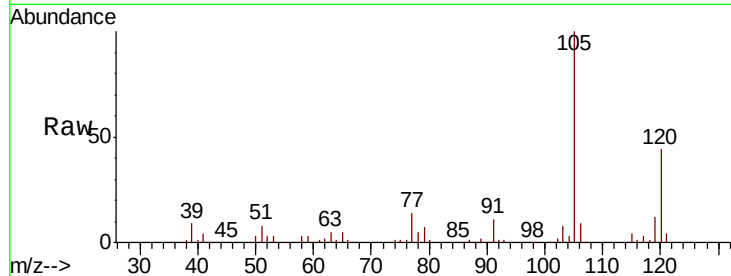
#84  
 1,2,4-Trimethylbenzene  
 Concen: 53.230 ug/l  
 RT: 11.15 min Scan# 3103  
 Delta R.T. 0.00 min  
 Lab File: VU027161.D  
 Acq: 26 Sep 2018 05:12

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion:105 Resp: 240330  
 Ion Ratio Lower Upper  
 105 100  
 120 43.6 22.4 67.2

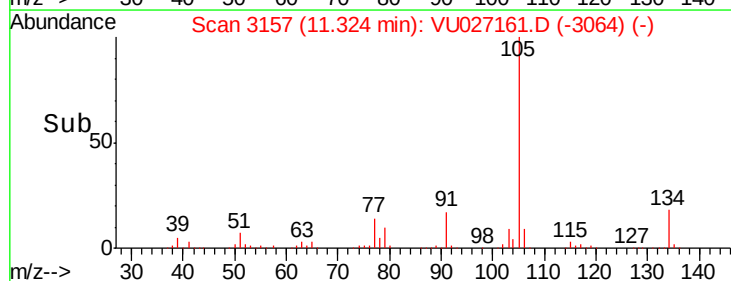
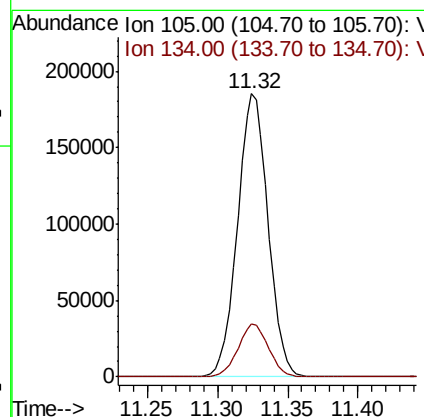
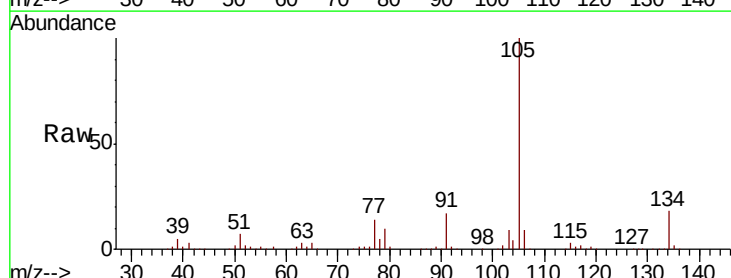
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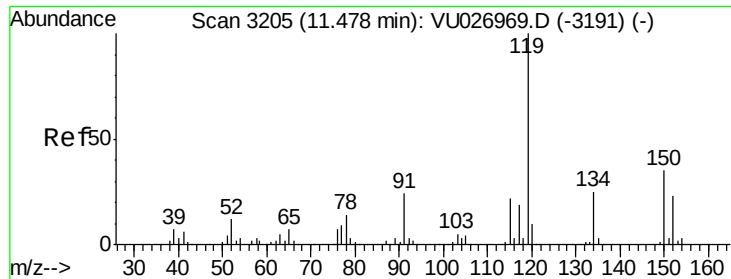
MMDadoda  
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#85  
 sec-Butylbenzene  
 Concen: 52.393 ug/l  
 RT: 11.32 min Scan# 3157  
 Delta R.T. 0.00 min  
 Lab File: VU027161.D  
 Acq: 26 Sep 2018 05:12

Tgt Ion:105 Resp: 280522  
 Ion Ratio Lower Upper  
 105 100  
 134 18.6 9.4 28.2





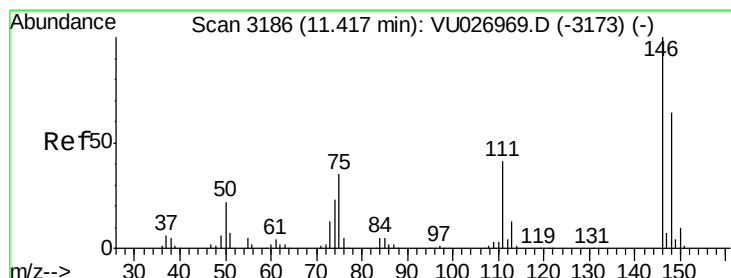
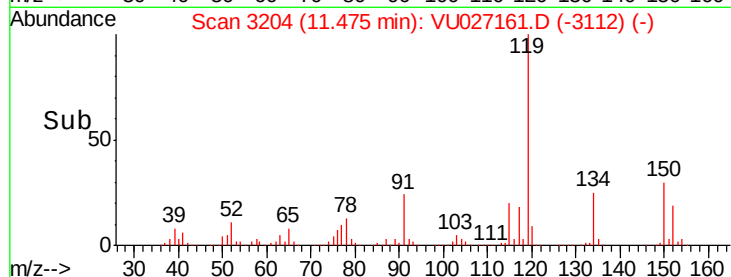
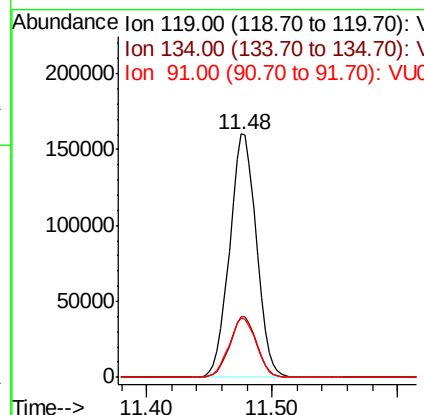
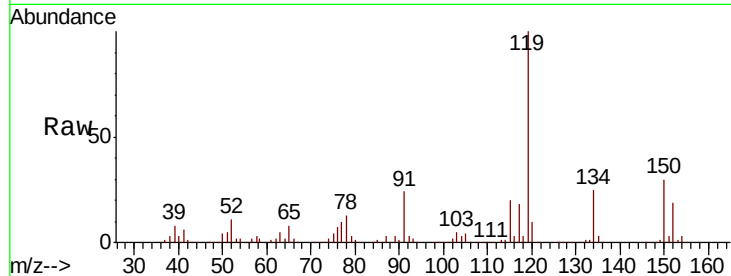
#86  
 p-Isopropyltoluene  
 Concen: 47.141 ug/l  
 RT: 11.48 min Scan# 3204  
 Delta R.T. -0.00 min  
 Lab File: VU027161.D  
 Acq: 26 Sep 2018 05:12

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 236565 |       |       |
| 134     | 25.0  | 12.8   | 38.3  |       |
| 91      | 24.7  | 12.3   | 36.8  |       |

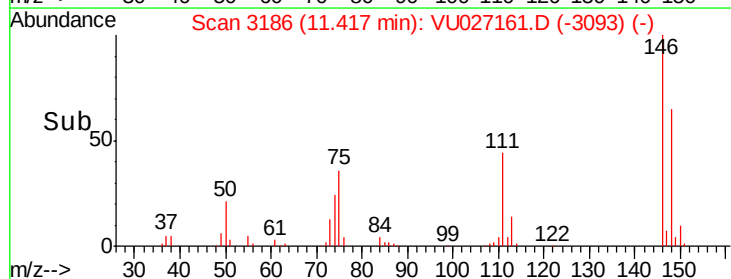
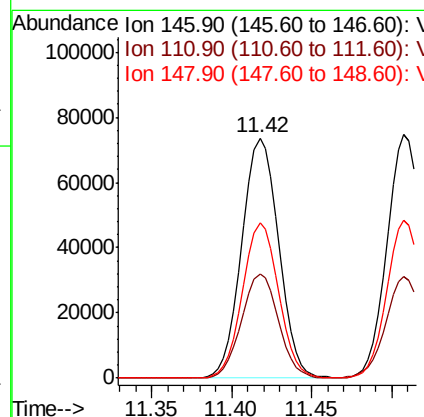
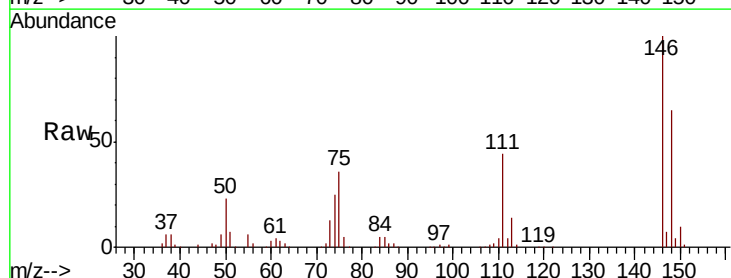
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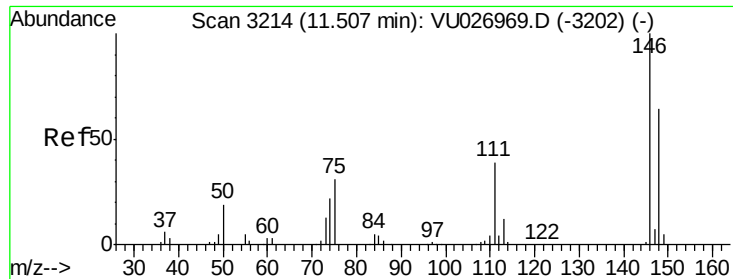


#87  
 1,3-Dichlorobenzene  
 Concen: 47.314 ug/l  
 RT: 11.42 min Scan# 3186  
 Delta R.T. 0.00 min  
 Lab File: VU027161.D  
 Acq: 26 Sep 2018 05:12

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 115635 |       |       |
| 111     | 43.3  | 20.8   | 62.2  |       |
| 148     | 63.4  | 32.0   | 96.2  |       |







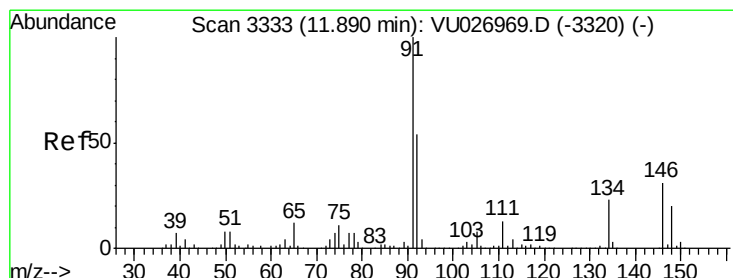
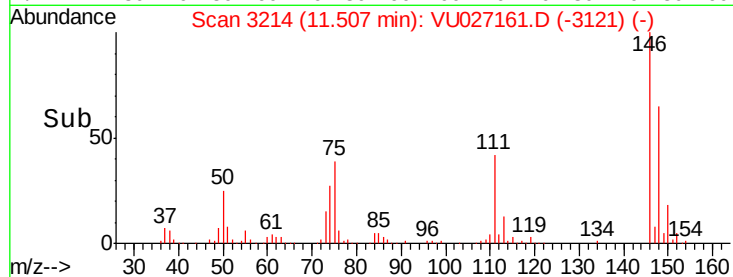
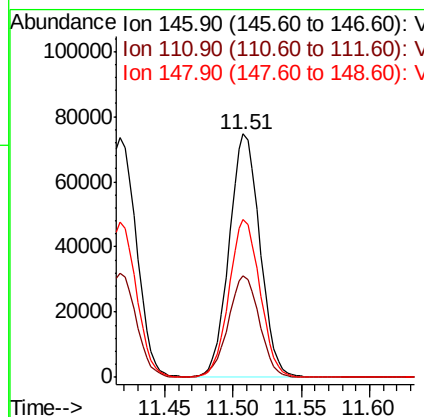
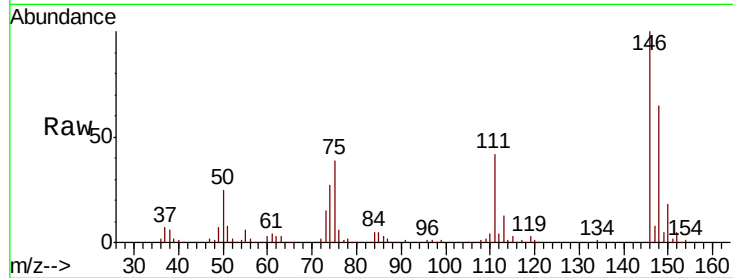
#88  
 1,4-Dichlorobenzene  
 Concen: 43.797 ug/l  
 RT: 11.51 min Scan# 3214  
 Delta R.T. 0.00 min  
 Lab File: VU027161.D  
 Acq: 26 Sep 2018 05:12

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.6  | 20.3  | 60.9  |
| 148     | 65.4  | 31.9  | 95.9  |

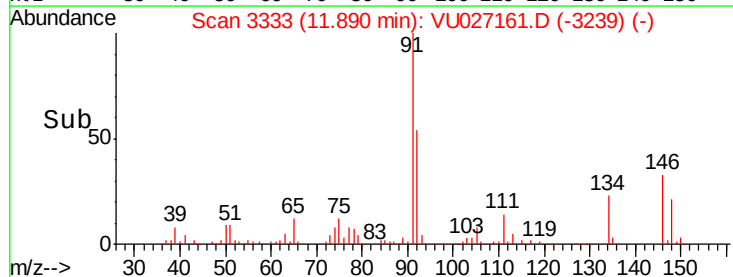
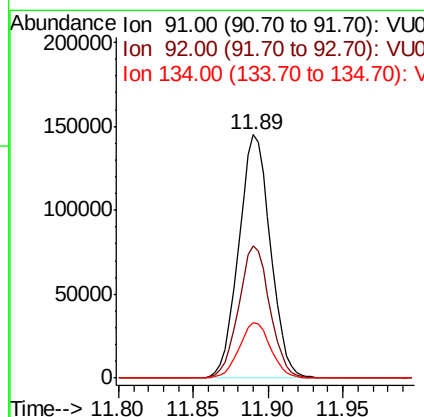
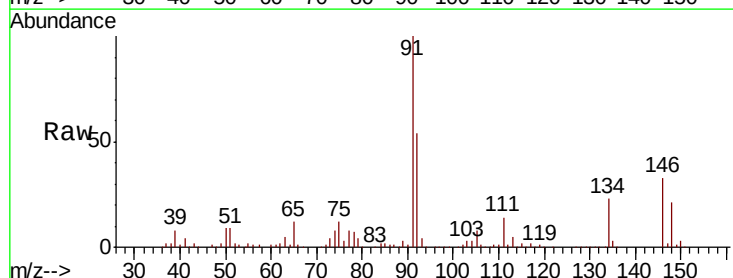
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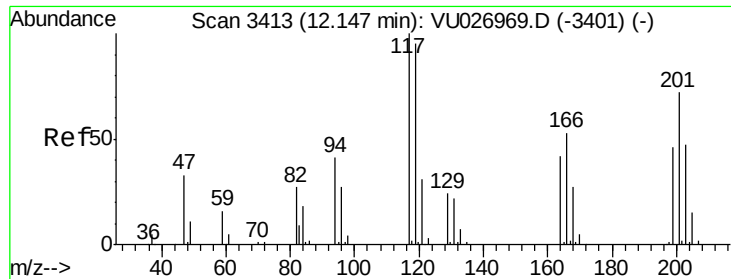
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#89  
 n-Butylbenzene  
 Concen: 44.261 ug/l  
 RT: 11.89 min Scan# 3333  
 Delta R.T. 0.00 min  
 Lab File: VU027161.D  
 Acq: 26 Sep 2018 05:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 53.6  | 27.1  | 81.2  |
| 134     | 22.5  | 11.7  | 35.0  |





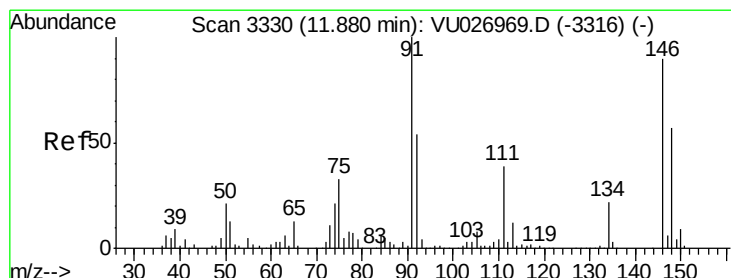
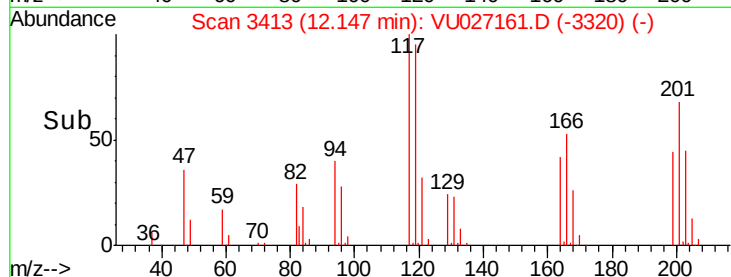
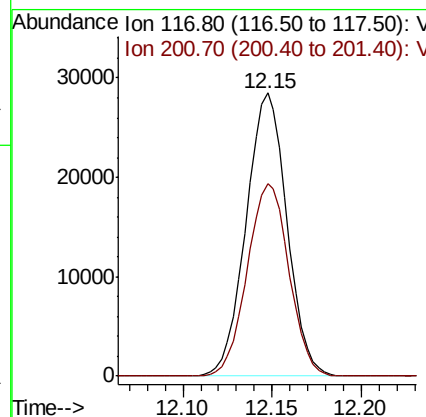
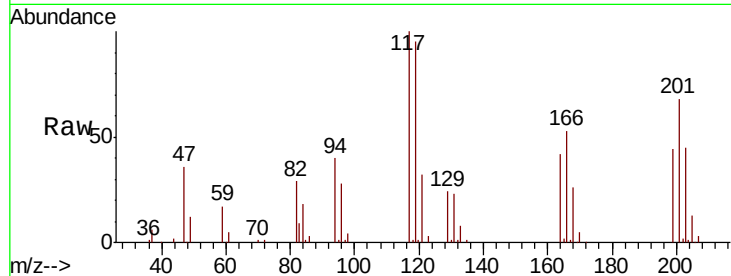
#90  
Hexachloroethane  
Concen: 46.661 ug/l  
RT: 12.15 min Scan# 3413  
Delta R.T. 0.00 min  
Lab File: VU027161.D  
Acq: 26 Sep 2018 05:12

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:117 Resp: 45431  
Ion Ratio Lower Upper  
117 100  
201 69.5 36.8 110.3

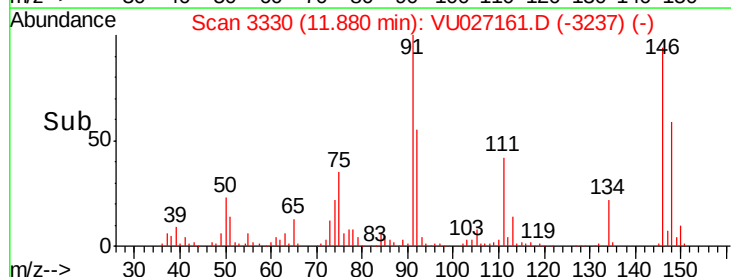
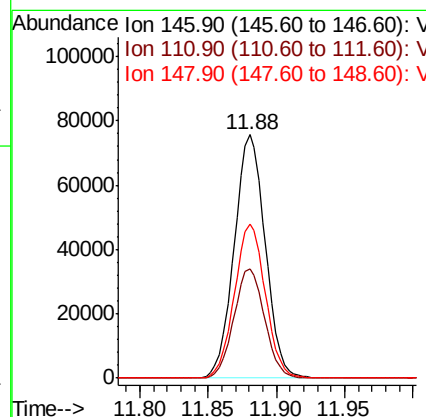
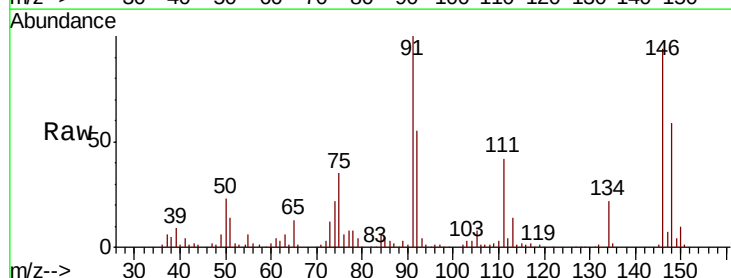
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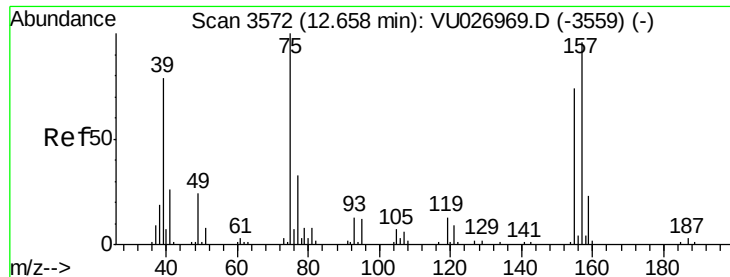
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#91  
1,2-Dichlorobenzene  
Concen: 45.925 ug/l  
RT: 11.88 min Scan# 3330  
Delta R.T. 0.00 min  
Lab File: VU027161.D  
Acq: 26 Sep 2018 05:12

Tgt Ion:146 Resp: 119225  
Ion Ratio Lower Upper  
146 100  
111 44.5 21.8 65.3  
148 63.1 31.9 95.7





#92

1,2-Dibromo-3-Chloropropane

Concen: 50.857 ug/l

RT: 12.66 min Scan# 3571

Delta R.T. -0.00 min

Lab File: VU027161.D

Acq: 26 Sep 2018 05:12

Instrument :

MSVOA\_U

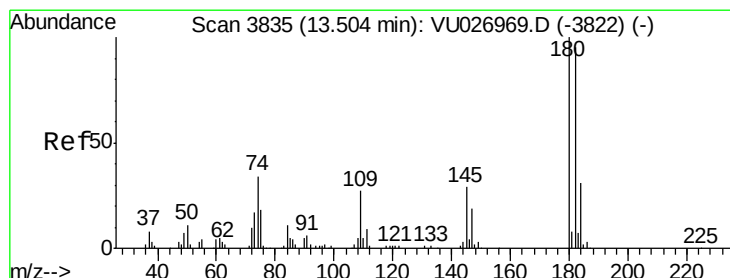
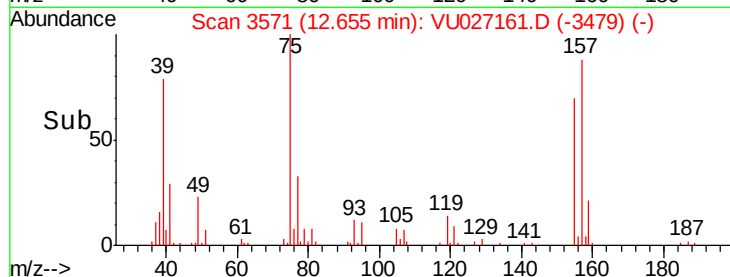
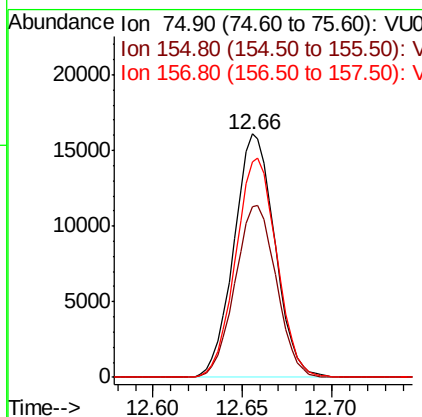
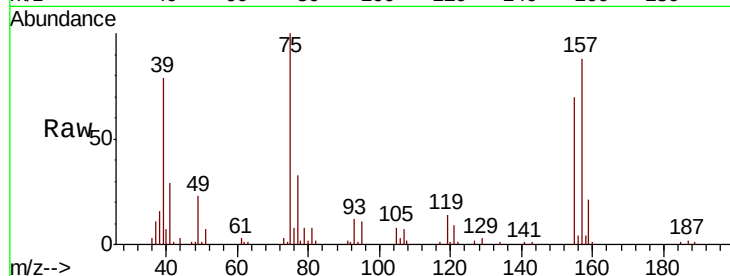
ClientSampleId :

VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 25637 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 155      | 71.0  | 36.6  | 109.8 |
| 157      | 90.4  | 47.4  | 142.2 |

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#93

1,2,4-Trichlorobenzene

Concen: 48.764 ug/l

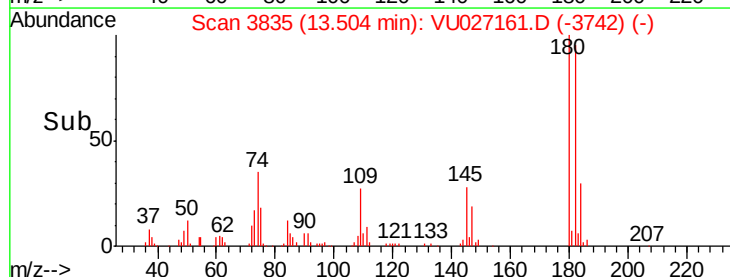
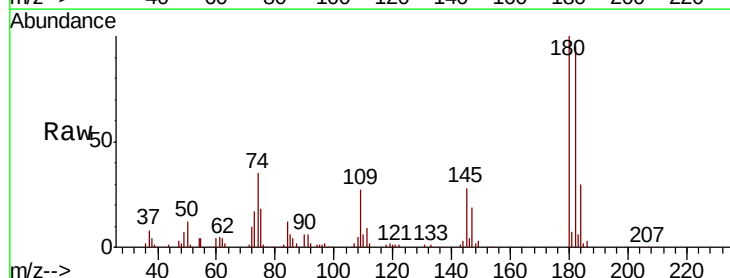
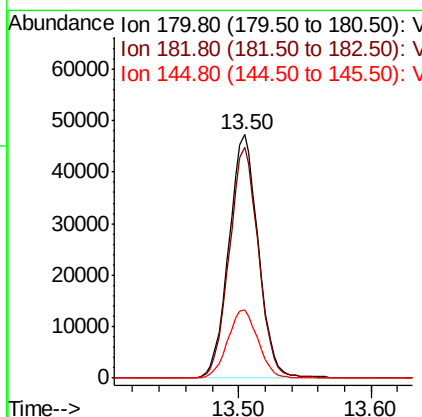
RT: 13.50 min Scan# 3835

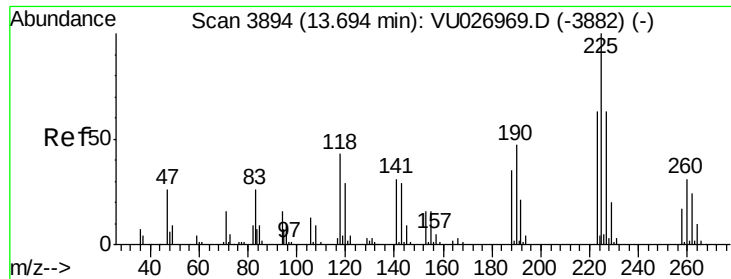
Delta R.T. 0.00 min

Lab File: VU027161.D

Acq: 26 Sep 2018 05:12

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 72953 |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 93.7  | 47.4  | 142.2 |
| 145      | 28.8  | 14.9  | 44.5  |





#94

Hexachlorobutadiene

Concen: 43.983 ug/l

RT: 13.69 min Scan# 3894

Delta R.T. 0.00 min

Lab File: VU027161.D

Acq: 26 Sep 2018 05:12

Instrument :

MSVOA\_U

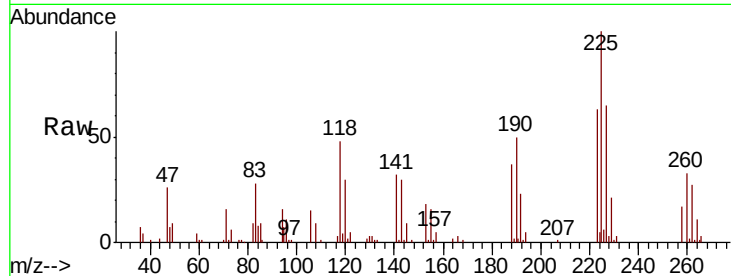
ClientSampleId :

VSTDCCC050EC

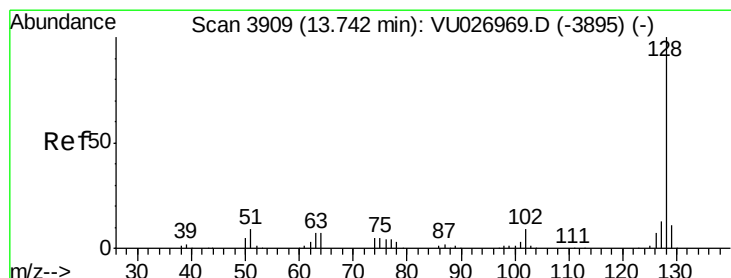
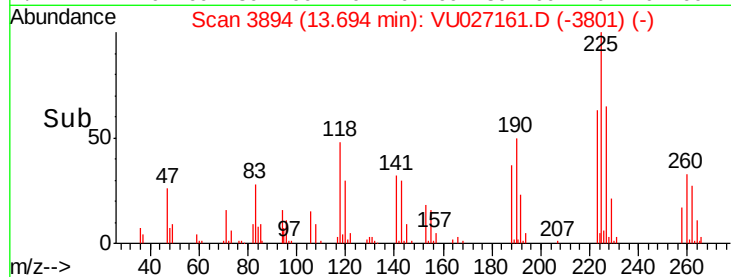
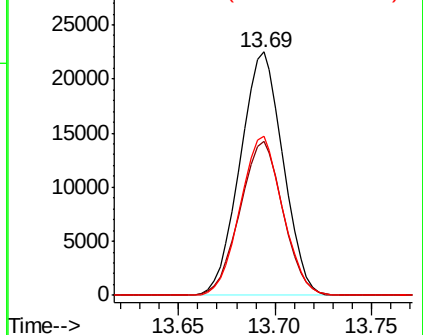
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 225   | Resp: | 34816 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 63.2  | 31.9  | 95.7  |
| 227       | 64.2  | 32.1  | 96.5  |

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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: 46.553 ug/l

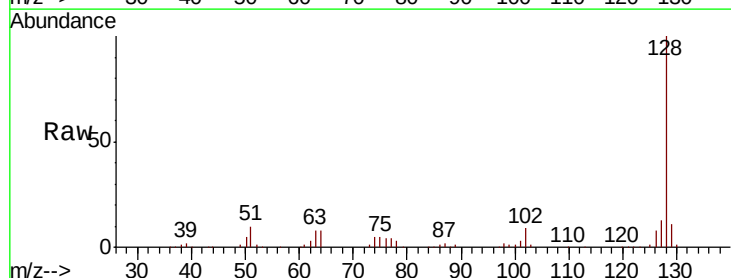
RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

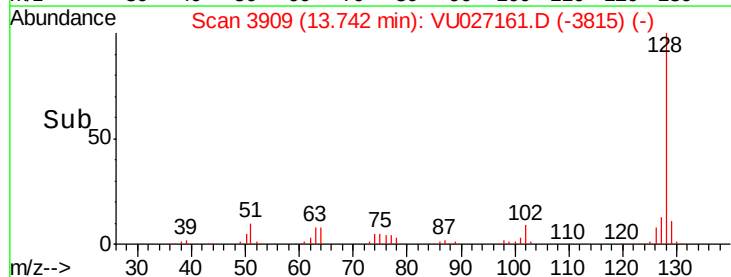
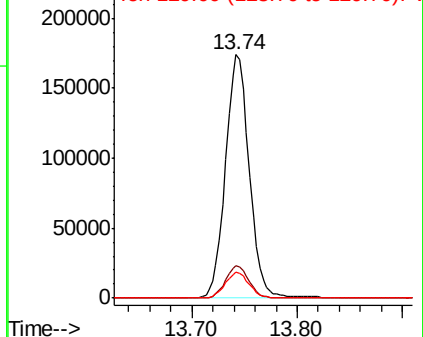
Lab File: VU027161.D

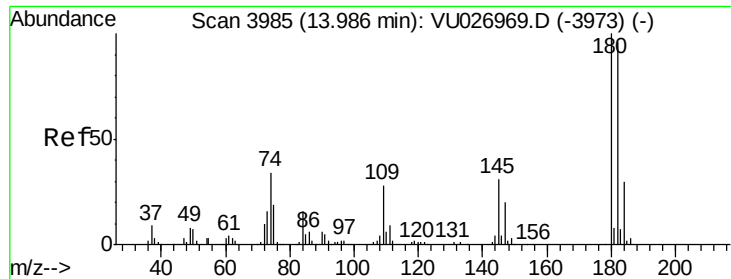
Acq: 26 Sep 2018 05:12

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 271600 |
| 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: 49.177 ug/l  
 RT: 13.99 min Scan# 3985  
 Delta R.T. 0.00 min  
 Lab File: VU027161.D  
 Acq: 26 Sep 2018 05:12

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 180   | Resp: | 78896 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 96.5  | 47.5  | 142.5 |
| 145       | 32.2  | 15.4  | 46.4  |

Manual Integrations  
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