

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122818\  
 Data File : VF061236.D  
 Acq On : 28 Dec 2018 15:20  
 Operator : VA/AP  
 Sample : VF1228SBSD02  
 Misc : 5.00µg/5mL/MSVOA-F/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF1228SBSD02

Manual Integrations  
 APPROVED

MMDadoda  
 1/2/2019 11:52:32 AM

Quant Time: Dec 31 22:58:59 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F121918S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 20 00:56:59 2018  
 Response via : Initial Calibration

| Internal Standards            | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|-------|------|----------|---------|--------|----------|
| 1) Pentafluorobenzene         | 4.88  | 168  | 219009   | 50.00   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 5.61  | 114  | 369419   | 50.00   | ug/l   | 0.02     |
| 63) Chlorobenzene-d5          | 9.79  | 117  | 349193   | 50.00   | ug/l   | 0.02     |
| 72) 1,4-Dichlorobenzene-d4    | 12.56 | 152  | 163876   | 50.00   | ug/l   | 0.02     |
| System Monitoring Compounds   |       |      |          |         |        |          |
| 33) 1,2-Dichloroethane-d4     | 4.86  | 65   | 129923   | 46.12   | ug/l   | 0.02     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 92.24% |          |
| 35) Dibromofluoromethane      | 4.13  | 113  | 147383   | 49.80   | ug/l   | 0.02     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 99.60% |          |
| 50) Toluene-d8                | 7.56  | 98   | 409281   | 48.80   | ug/l   | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 97.60% |          |
| 62) 4-Bromofluorobenzene      | 11.42 | 95   | 186150   | 48.15   | ug/l   | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 96.30% |          |
| Target Compounds              |       |      |          |         |        |          |
|                               |       |      |          |         | Qvalue |          |
| 2) Dichlorodifluoromethane    | 0.96  | 85   | 75413    | 15.490  | ug/l   | 93       |
| 3) Chloromethane              | 1.10  | 50   | 48763    | 17.486  | ug/l   | 97       |
| 4) Vinyl Chloride             | 1.15  | 62   | 47282    | 18.277  | ug/l   | 93       |
| 5) Bromomethane               | 1.36  | 94   | 37839    | 21.088  | ug/l   | 98       |
| 6) Chloroethane               | 1.40  | 64   | 25092    | 21.050  | ug/l   | 91       |
| 7) Trichlorofluoromethane     | 1.49  | 101  | 88593m   | 17.936  | ug/l   |          |
| 8) Diethyl Ether              | 1.63  | 74   | 13555    | 20.040  | ug/l   | 87       |
| 9) 1,1,2-Trichlorotrifluoroet | 1.86  | 101  | 49242    | 19.227  | ug/l # | 90       |
| 10) Methyl Iodide             | 1.92  | 142  | 83291m   | 20.632  | ug/l   |          |
| 11) Tert butyl alcohol        | 2.59  | 59   | 11109    | 97.730  | ug/l # | 89       |
| 12) 1,1-Dichloroethene        | 1.80  | 96   | 37352    | 19.348  | ug/l   | 93       |
| 13) Acrolein                  | 2.01  | 56   | 7852     | 95.595  | ug/l   | 88       |
| 14) Allyl chloride            | 2.10  | 41   | 40326    | 20.072  | ug/l   | 92       |
| 15) Acrylonitrile             | 2.95  | 53   | 29776    | 113.281 | ug/l   | 94       |
| 16) Acetone                   | 2.24  | 43   | 49915    | 88.641  | ug/l   | 100      |
| 17) Carbon Disulfide          | 1.86  | 76   | 112872m  | 19.347  | ug/l   |          |
| 18) Methyl Acetate            | 2.35  | 43   | 22547    | 19.353  | ug/l   | 99       |
| 19) Methyl tert-butyl Ether   | 2.44  | 73   | 95132    | 22.200  | ug/l   | 98       |
| 20) Methylene Chloride        | 2.26  | 84   | 42942m   | 21.284  | ug/l   |          |
| 21) trans-1,2-Dichloroethene  | 2.31  | 96   | 39764m   | 19.258  | ug/l   |          |
| 22) Diisopropyl ether         | 2.81  | 45   | 154326   | 23.061  | ug/l   | 94       |
| 23) Vinyl Acetate             | 3.20  | 43   | 347598   | 112.590 | ug/l   | 100      |
| 24) 1,1-Dichloroethane        | 2.88  | 63   | 85104    | 21.463  | ug/l   | 99       |
| 25) 2-Butanone                | 4.35  | 43   | 101035   | 110.630 | ug/l   | 96       |
| 26) 2,2-Dichloropropane       | 3.62  | 77   | 45739    | 20.101  | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene    | 3.49  | 96   | 67371    | 21.312  | ug/l   | 98       |
| 28) Bromochloromethane        | 3.73  | 49   | 43135    | 21.440  | ug/l   | 94       |
| 29) Tetrahydrofuran           | 4.09  | 42   | 44417    | 119.494 | ug/l   | 96       |
| 30) Chloroform                | 3.87  | 83   | 121164   | 20.379  | ug/l   | 93       |
| 31) Cyclohexane               | 3.70  | 56   | 91633m   | 22.271  | ug/l   |          |
| 32) 1,1,1-Trichloroethane     | 4.11  | 97   | 66878    | 18.767  | ug/l   | 93       |
| 36) 1,1-Dichloropropene       | 4.29  | 75   | 86724    | 19.449  | ug/l   | 97       |
| 37) Ethyl Acetate             | 4.12  | 43   | 37794    | 19.626  | ug/l   | 88       |
| 38) Carbon Tetrachloride      | 4.00  | 117  | 65237    | 19.211  | ug/l   | 95       |

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 Sample : VF1228SBSD02  
 Misc : 5.00µg/5mL/MSVOA-F/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleID :  
 VF1228SBSD02

Manual Integrations  
 APPROVED

MMDadoda  
 1/2/2019 11:52:32 AM

Quant Time: Dec 31 22:58:59 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F121918S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 20 00:56:59 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 5.47  | 83   | 89884    | 22.469  | ug/l   | 97       |
| 40) Benzene                    | 4.64  | 78   | 223546   | 23.312  | ug/l   | 98       |
| 41) Methacrylonitrile          | 4.77  | 41   | 21155    | 22.464  | ug/l   | 95       |
| 42) 1,2-Dichloroethane         | 4.96  | 62   | 70441    | 19.337  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 6.98  | 43   | 50531    | 23.469  | ug/l # | 97       |
| 44) Trichloroethene            | 5.52  | 130  | 68644    | 22.705  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 6.25  | 63   | 56047    | 21.483  | ug/l   | 97       |
| 46) Dibromomethane             | 6.10  | 93   | 34640    | 20.471  | ug/l   | 98       |
| 47) Bromodichloromethane       | 6.40  | 83   | 87535    | 19.910  | ug/l   | 99       |
| 48) Methyl methacrylate        | 6.73  | 41   | 32247    | 21.454  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 6.72  | 88   | 4204     | 385.462 | ug/l # | 88       |
| 51) 4-Methyl-2-Pentanone       | 8.27  | 43   | 167040   | 113.122 | ug/l   | 99       |
| 52) Toluene                    | 7.64  | 92   | 137906   | 21.725  | ug/l   | 95       |
| 53) t-1,3-Dichloropropene      | 8.29  | 75   | 72592    | 20.467  | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene    | 7.31  | 75   | 94660    | 21.265  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 8.51  | 97   | 41350    | 21.730  | ug/l   | 91       |
| 56) Ethyl methacrylate         | 8.64  | 69   | 48260    | 23.437  | ug/l   | 96       |
| 57) 1,3-Dichloropropane        | 8.86  | 76   | 75590    | 21.963  | ug/l   | 94       |
| 58) 2-Chloroethyl Vinyl ether  | 7.30  | 63   | 29121    | 73.636  | ug/l   | 97       |
| 59) 2-Hexanone                 | 9.50  | 43   | 122647   | 114.852 | ug/l   | 97       |
| 60) Dibromochloromethane       | 8.74  | 129  | 52880    | 19.386  | ug/l   | 94       |
| 61) 1,2-Dibromoethane          | 9.00  | 107  | 43030    | 21.173  | ug/l   | 100      |
| 64) Tetrachloroethene          | 8.16  | 164  | 55979    | 20.840  | ug/l   | 96       |
| 65) Chlorobenzene              | 9.81  | 112  | 154298   | 21.389  | ug/l   | 95       |
| 66) 1,1,1,2-Tetrachloroethane  | 9.95  | 131  | 61530    | 20.872  | ug/l   | 94       |
| 67) Ethyl Benzene              | 9.91  | 91   | 293945   | 22.366  | ug/l   | 99       |
| 68) m/p-Xylenes                | 10.15 | 106  | 198518   | 42.922  | ug/l   | 96       |
| 69) o-Xylene                   | 10.73 | 106  | 110698   | 21.580  | ug/l   | 96       |
| 70) Styrene                    | 10.80 | 104  | 147324   | 20.709  | ug/l   | 100      |
| 71) Bromoform                  | 10.79 | 173  | 27934    | 20.481  | ug/l   | 96       |
| 73) Isopropylbenzene           | 11.13 | 105  | 322005   | 22.802  | ug/l   | 98       |
| 74) N-amyl acetate             | 11.38 | 43   | 83530    | 26.642  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.70 | 83   | 53866    | 22.982  | ug/l   | 96       |
| 76) 1,2,3-Trichloropropane     | 11.80 | 75   | 39830    | 22.835  | ug/l   | 98       |
| 77) Bromobenzene               | 11.51 | 156  | 63898    | 21.019  | ug/l   | 89       |
| 78) n-propylbenzene            | 11.61 | 91   | 375917   | 20.543  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 11.72 | 91   | 214155   | 22.106  | ug/l   | 95       |
| 80) 1,3,5-Trimethylbenzene     | 11.83 | 105  | 258264   | 22.210  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 11.88 | 75   | 16067m   | 21.436  | ug/l   |          |
| 82) 4-Chlorotoluene            | 11.91 | 91   | 209276   | 20.882  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.14 | 119  | 259494   | 21.686  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 12.22 | 105  | 248873   | 21.462  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 12.32 | 105  | 332292   | 21.279  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 12.46 | 119  | 277921   | 21.442  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 12.48 | 146  | 120067   | 21.091  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 12.57 | 146  | 121782   | 21.816  | ug/l   | 98       |
| 89) n-Butylbenzene             | 12.85 | 91   | 289047   | 19.420  | ug/l   | 95       |
| 90) Hexachloroethane           | 12.93 | 117  | 65368    | 20.412  | ug/l   | 84       |
| 91) 1,2-Dichlorobenzene        | 12.95 | 146  | 112840   | 20.763  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.66 | 75   | 7933     | 18.445  | ug/l   | 73       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF122818\  
Data File : VF061236.D  
Acq On : 28 Dec 2018 15:20  
Operator : VA/AP  
Sample : VF1228SBSD02  
Misc : 5.00µ/5mL/MSVOA-F/SOIL  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF1228SBSD02

Manual Integrations  
APPROVED

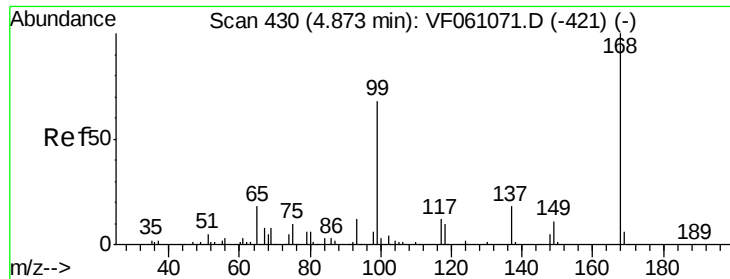
MMDadoda  
1/2/2019 11:52:32 AM

Quant Time: Dec 31 22:58:59 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F121918S.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 20 00:56:59 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.21 | 180  | 80394    | 20.858 | µg/l  | 95       |
| 94) Hexachlorobutadiene    | 14.20 | 225  | 46898    | 19.104 | µg/l  | 95       |
| 95) Naphthalene            | 14.47 | 128  | 162539   | 23.094 | µg/l  | 97       |
| 96) 1,2,3-Trichlorobenzene | 14.61 | 180  | 74814    | 20.997 | µg/l  | 97       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.01 min

Lab File: VF061236.D

Acq: 28 Dec 2018 15:20

Instrument :

MSVOA\_F

ClientSampleId :

VF1228SBS02

Tot Ion:168 Resp: 219009

Ion Ratio Lower Upper

168 100

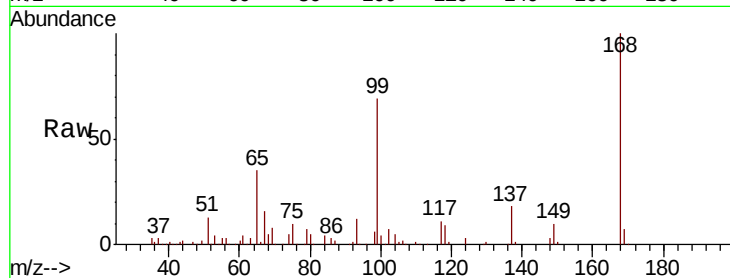
99 69.0 54.4 81.6

Manual Integrations

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1/2/2019 11:52:32 AM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

80000

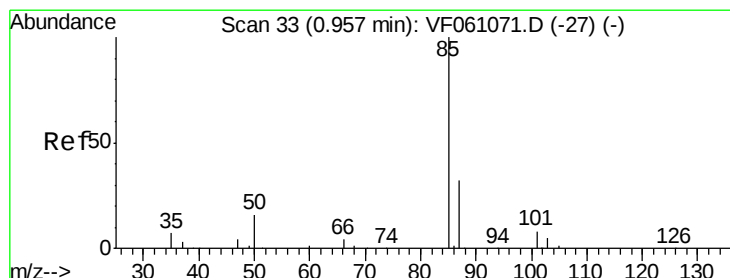
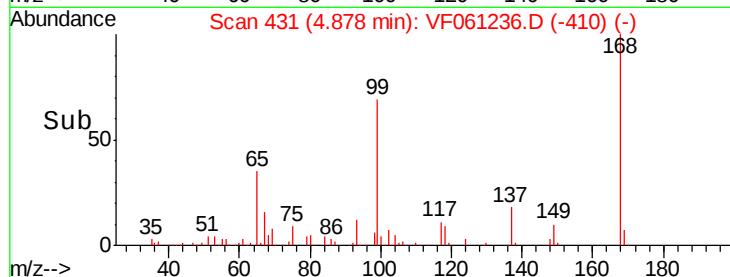
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 15.490 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.01 min

Lab File: VF061236.D

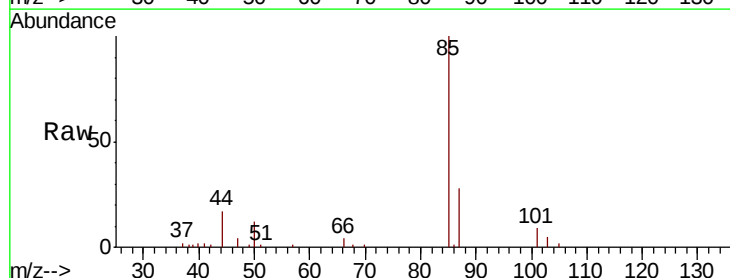
Acq: 28 Dec 2018 15:20

Tgt Ion: 85 Resp: 75413

Ion Ratio Lower Upper

85 100

87 27.7 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

20000

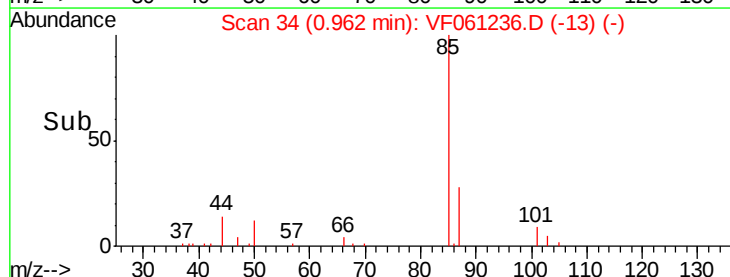
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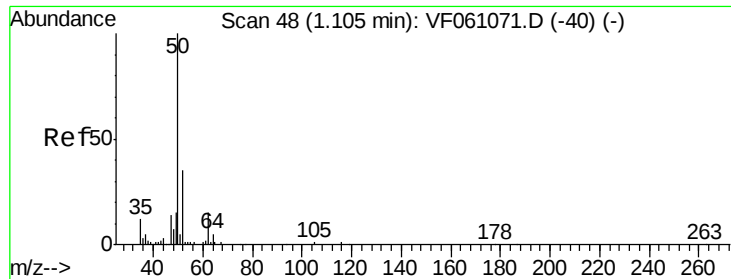
10000

5000

0

Time-->





#3

Chloromethane

Concen: 17.486 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF061236.D

Acq: 28 Dec 2018 15:20

Instrument :

MSVOA\_F

ClientSampleId :

VF1228SBS02

Tot Ion: 50 Resp: 48763

Ion Ratio Lower Upper

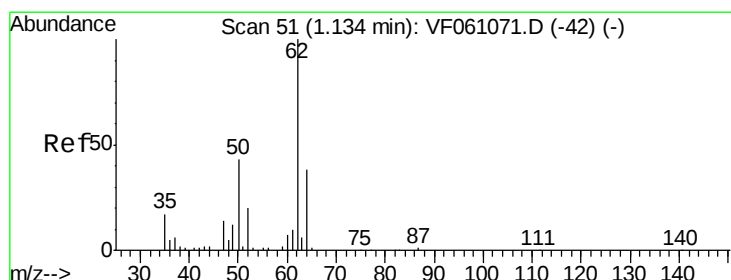
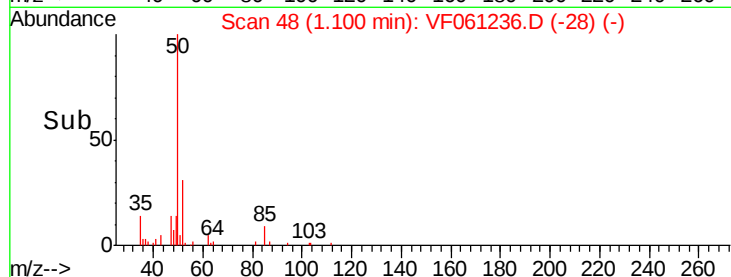
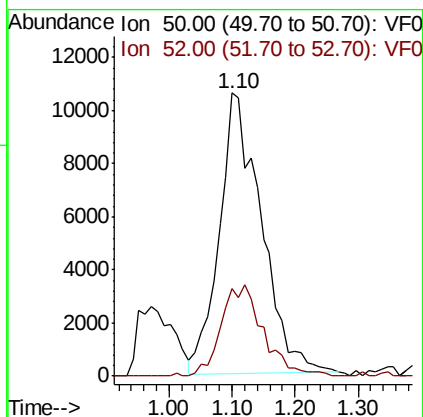
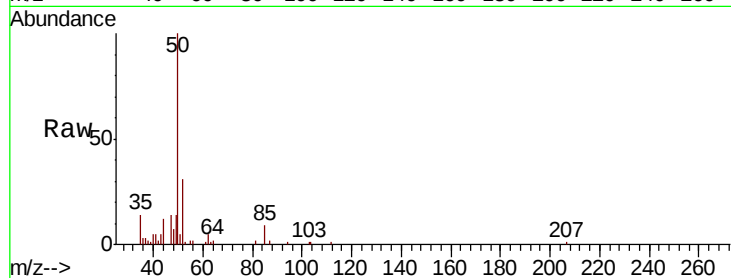
50 100

52 31.0 26.3 39.5

Manual Integrations  
APPROVED

MMDadoda

1/2/2019 11:52:32 AM



#4

Vinyl Chloride

Concen: 18.277 ug/l

RT: 1.15 min Scan# 53

Delta R.T. 0.02 min

Lab File: VF061236.D

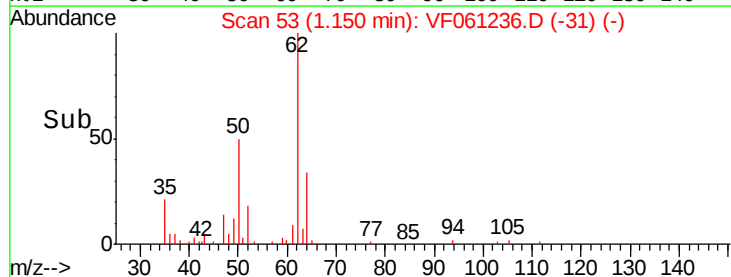
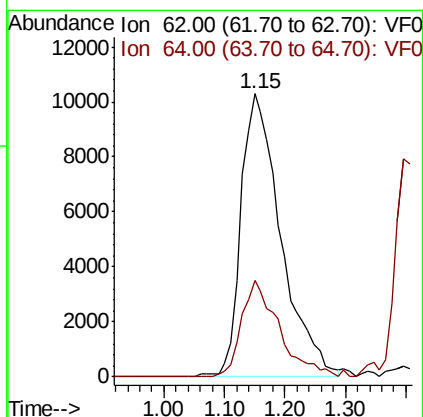
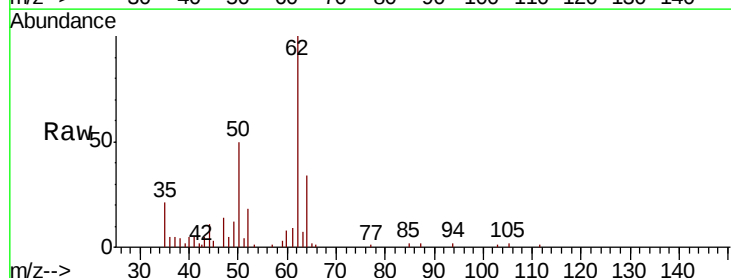
Acq: 28 Dec 2018 15:20

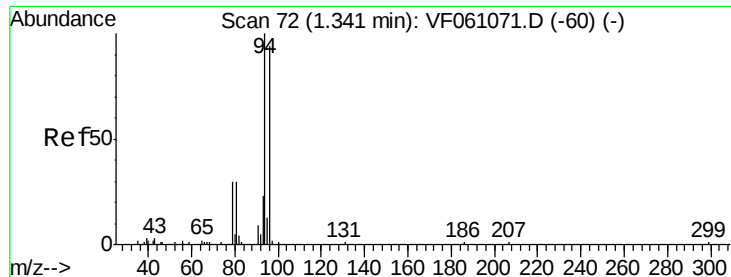
Tgt Ion: 62 Resp: 47282

Ion Ratio Lower Upper

62 100

64 33.9 30.4 45.6





#5

Bromomethane

Concen: 21.088 ug/l

RT: 1.36 min Scan# 74

Delta R.T. 0.02 min

Lab File: VF061236.D

Acq: 28 Dec 2018 15:20

Instrument :

MSVOA\_F

ClientSampleId :

VF1228SBS02

Tot Ion: 94 Resp: 37839

Ion Ratio Lower Upper

94 100

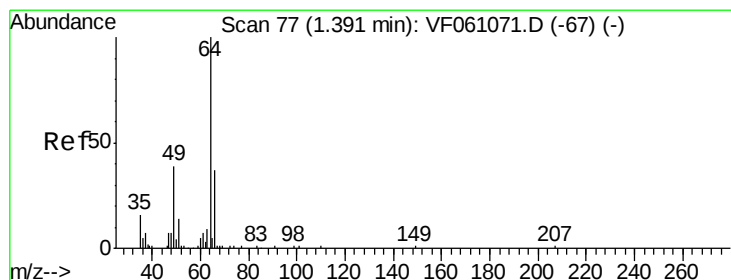
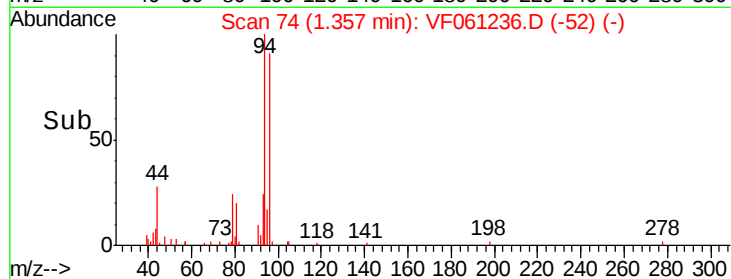
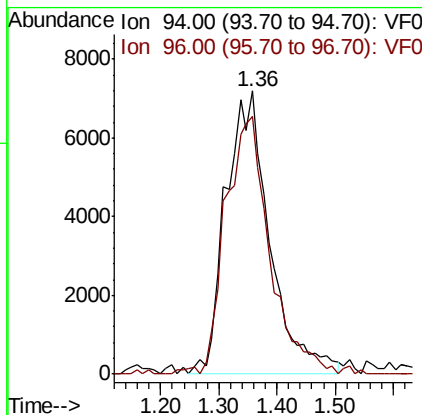
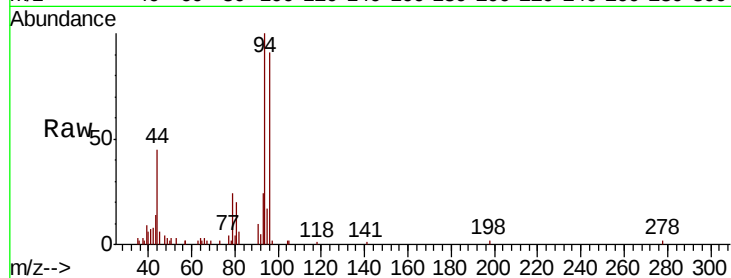
96 91.1 74.4 111.6

Manual Integrations

APPROVED

MMDadoda

1/2/2019 11:52:32 AM



#6

Chloroethane

Concen: 21.050 ug/l

RT: 1.40 min Scan# 78

Delta R.T. 0.01 min

Lab File: VF061236.D

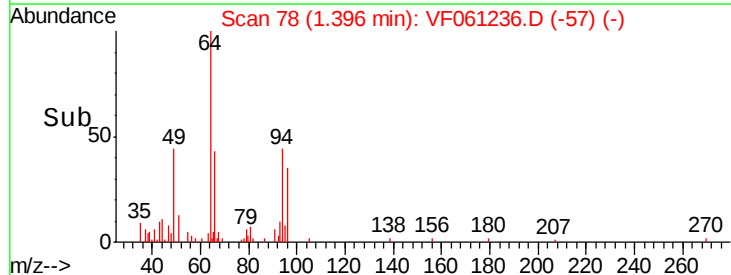
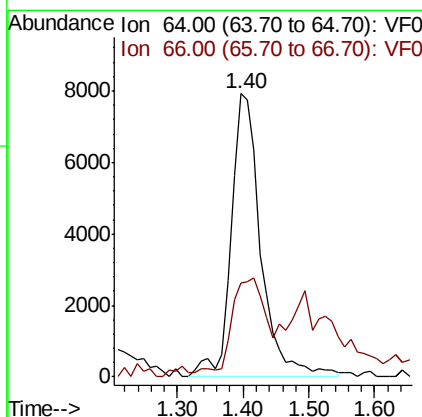
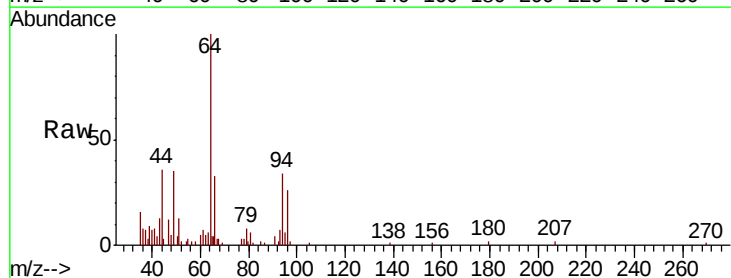
Acq: 28 Dec 2018 15:20

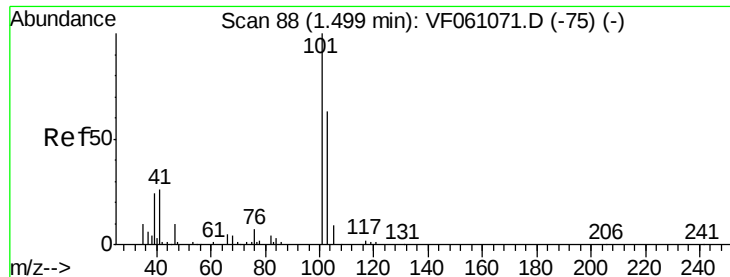
Tgt Ion: 64 Resp: 25092

Ion Ratio Lower Upper

64 100

66 33.4 30.9 46.3





#7

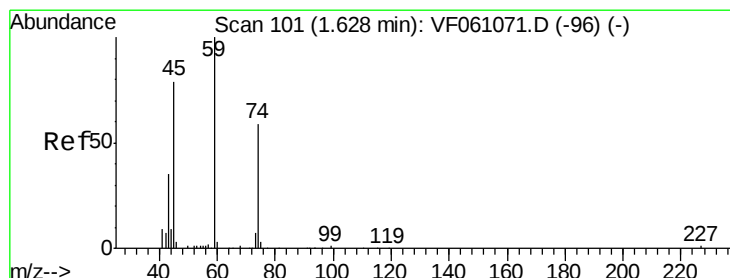
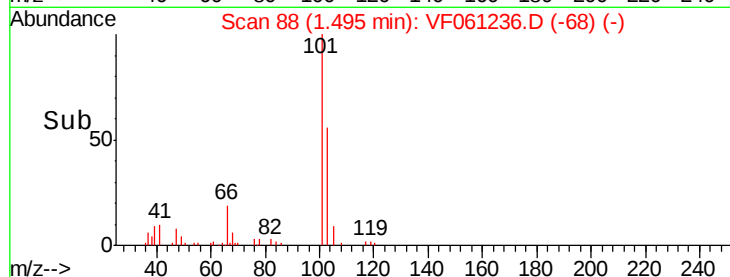
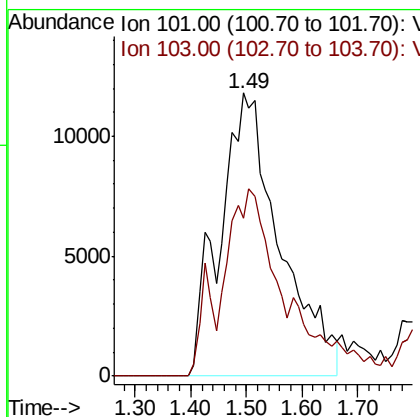
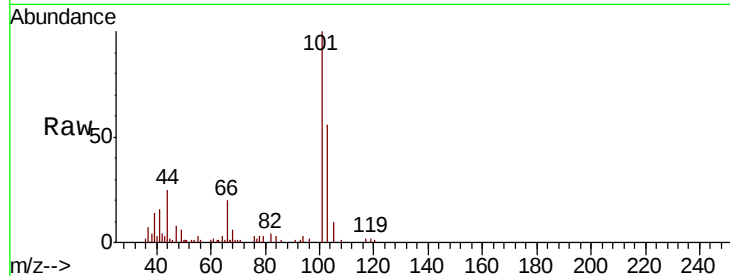
Trichlorofluoromethane  
 Concen: 17.936 ug/l m  
 RT: 1.49 min Scan# 88  
 Delta R.T. -0.00 min  
 Lab File: VF061236.D  
 Acq: 28 Dec 2018 15:20

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF1228SBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 55.6  | 50.7  | 76.1  |

Manual Integrations  
 APPROVED

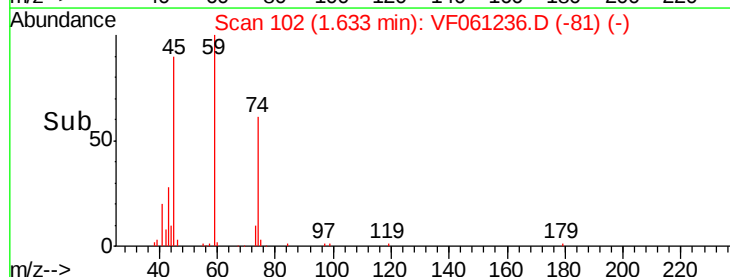
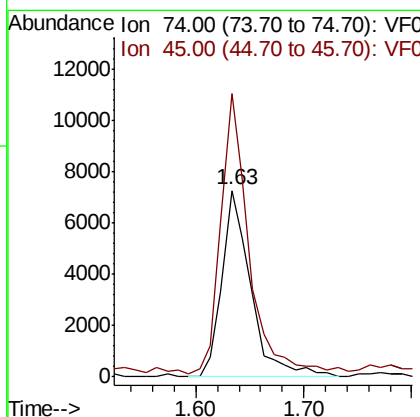
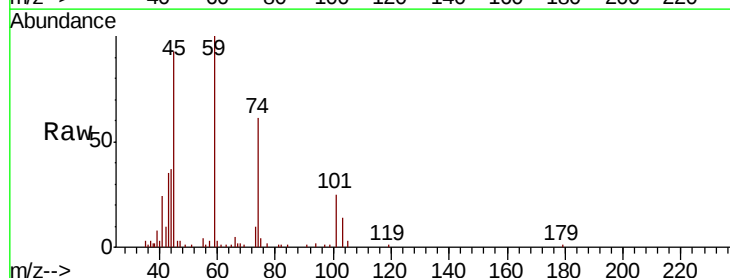
MMDadoda  
 1/2/2019 11:52:32 AM

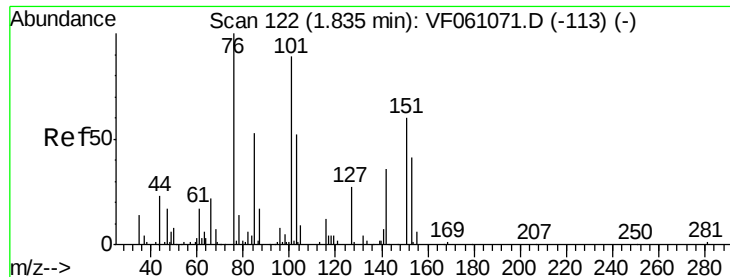


#8

Diethyl Ether  
 Concen: 20.040 ug/l  
 RT: 1.63 min Scan# 102  
 Delta R.T. 0.01 min  
 Lab File: VF061236.D  
 Acq: 28 Dec 2018 15:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 151.6 | 67.8  | 203.4 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.227 ug/l

RT: 1.86 min Scan# 125

Delta R.T. 0.03 min

Lab File: VF061236.D

Acq: 28 Dec 2018 15:20

Instrument :

MSVOA\_F

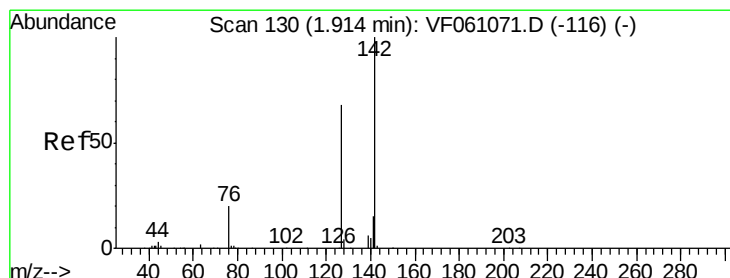
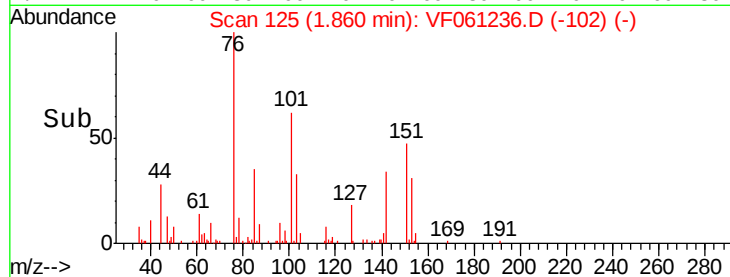
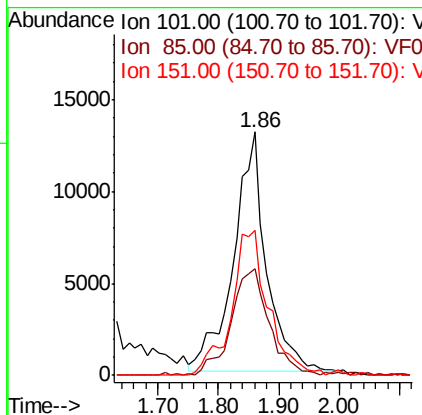
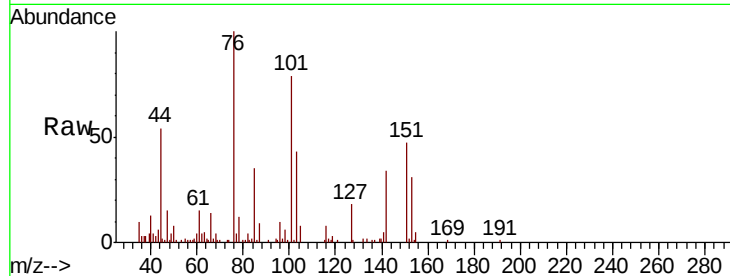
ClientSampleId :

VF1228SBS02

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 49242 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 43.9  | 44.5  | 66.7# |
| 151       | 59.5  | 49.9  | 74.9  |

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1/2/2019 11:52:32 AM



#10

Methyl Iodide

Concen: 20.632 ug/l m

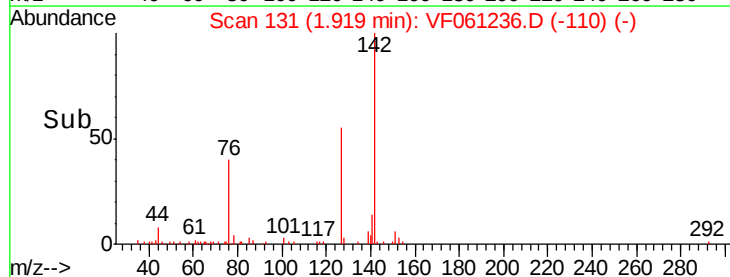
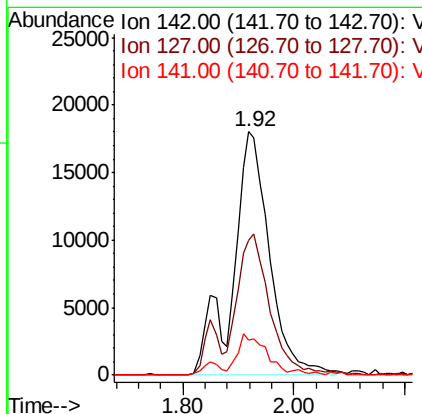
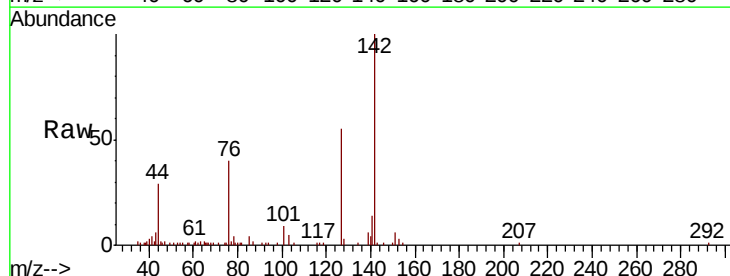
RT: 1.92 min Scan# 131

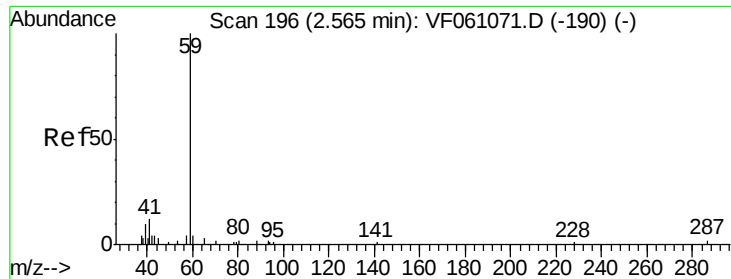
Delta R.T. 0.01 min

Lab File: VF061236.D

Acq: 28 Dec 2018 15:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 83291 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 55.1  | 54.7  | 82.1  |
| 141       | 14.3  | 12.2  | 18.2  |





#11

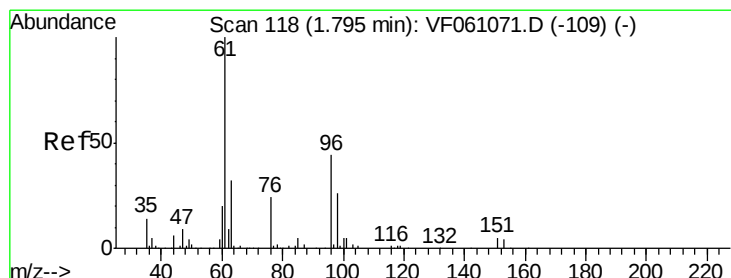
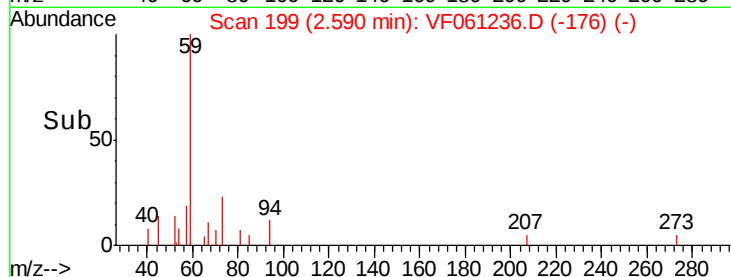
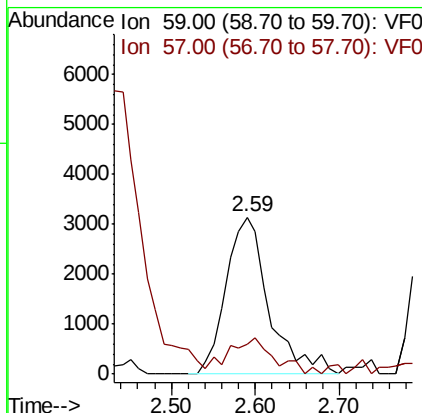
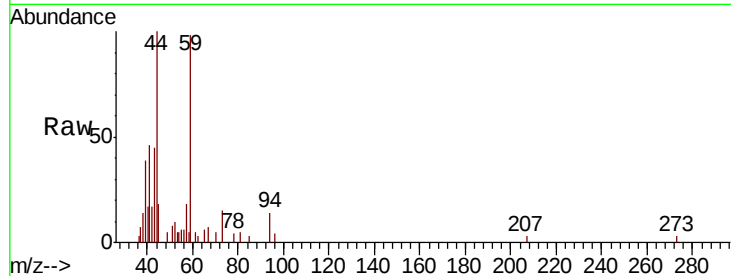
Tert butyl alcohol  
 Concen: 97.730 ug/l  
 RT: 2.59 min Scan# 199  
 Delta R.T. 0.03 min  
 Lab File: VF061236.D  
 Acq: 28 Dec 2018 15:20

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF1228SBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 18.9  | 11.5  | 17.3# |

Manual Integrations  
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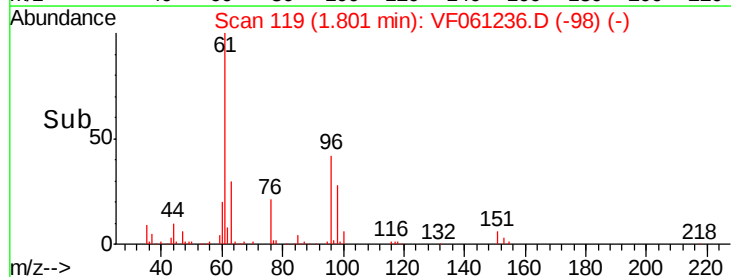
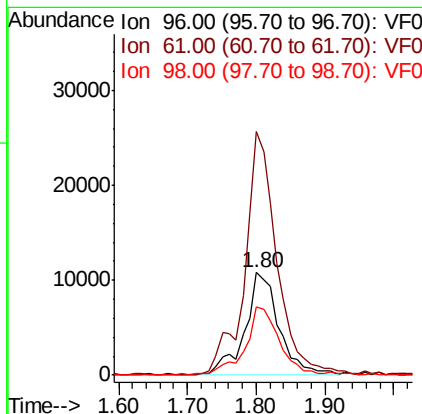
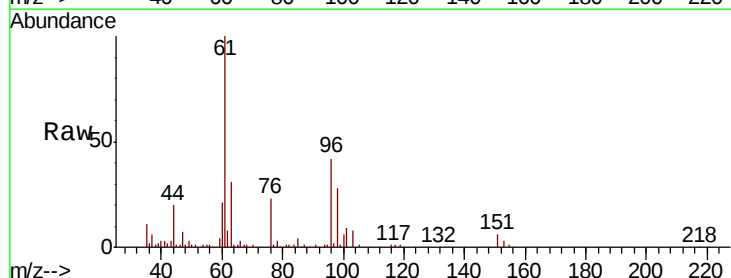
MMDadoda  
 1/2/2019 11:52:32 AM

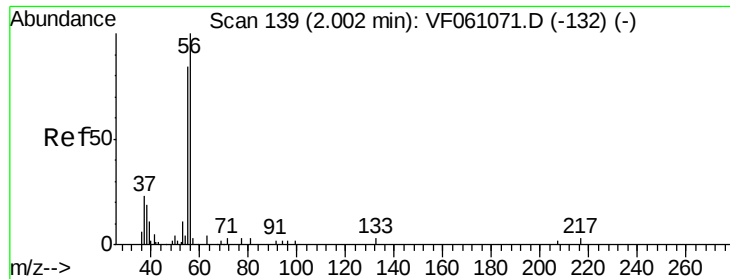


#12

1,1-Dichloroethene  
 Concen: 19.348 ug/l  
 RT: 1.80 min Scan# 119  
 Delta R.T. 0.01 min  
 Lab File: VF061236.D  
 Acq: 28 Dec 2018 15:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 237.9 | 182.0 | 273.0 |
| 98      | 66.2  | 46.5  | 69.7  |





#13

Acrolein

Concen: 95.595 ug/l

RT: 2.01 min Scan# 140

Delta R.T. 0.01 min

Lab File: VF061236.D

Acq: 28 Dec 2018 15:20

Tot Ion: 56 Resp: 7852

Ion Ratio Lower Upper

56 100

55 76.3 70.2 105.2

Instrument :

MSVOA\_F

ClientSampleId :

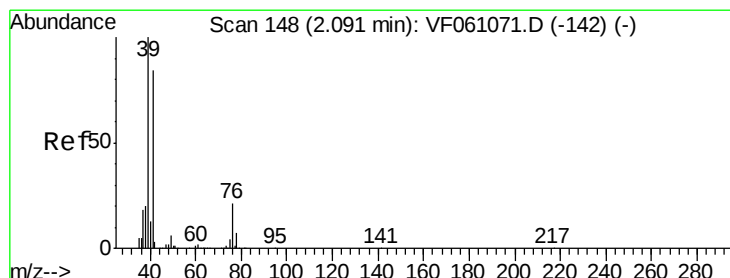
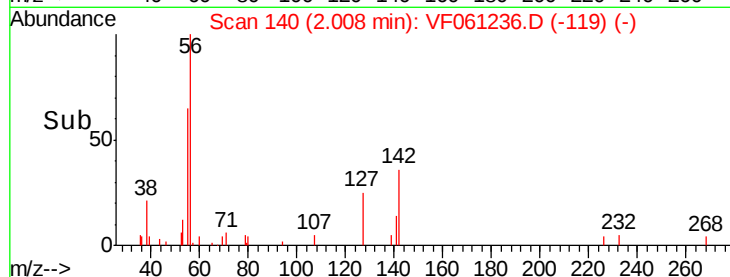
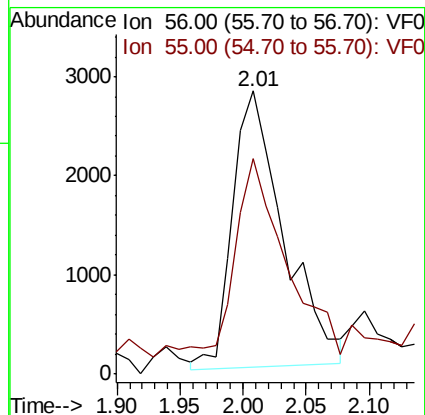
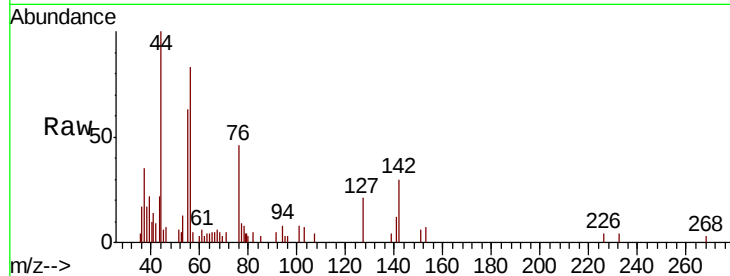
VF1228SBS02

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#14

Allyl chloride

Concen: 20.072 ug/l

RT: 2.10 min Scan# 149

Delta R.T. 0.01 min

Lab File: VF061236.D

Acq: 28 Dec 2018 15:20

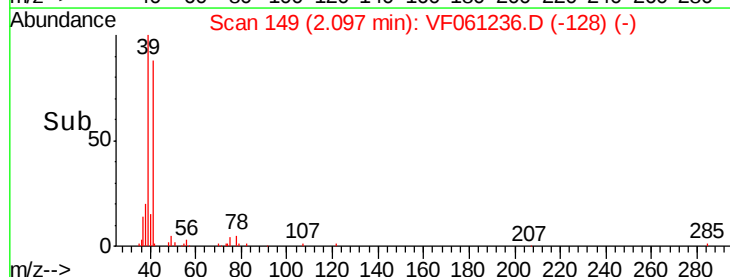
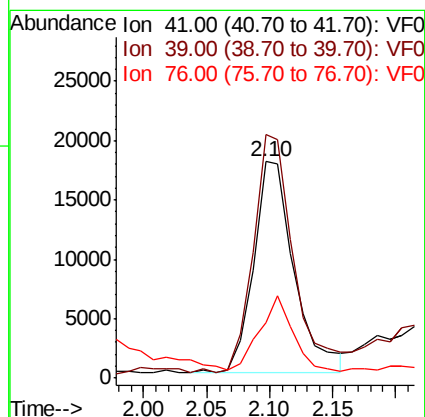
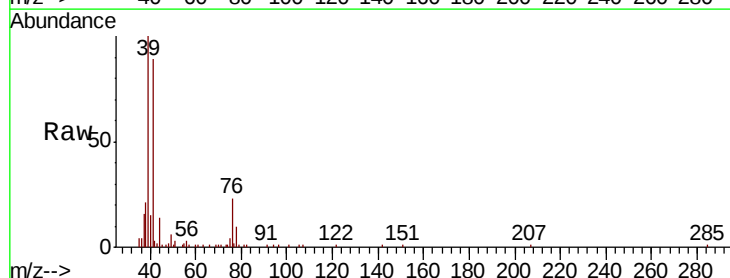
Tgt Ion: 41 Resp: 40326

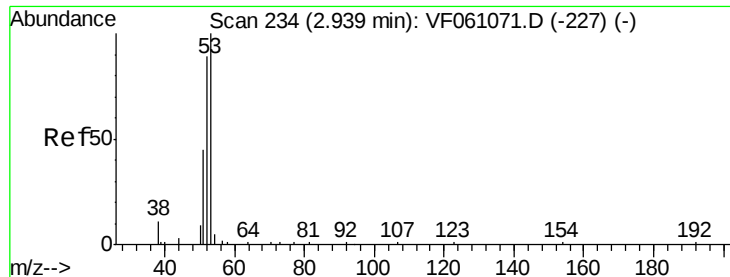
Ion Ratio Lower Upper

41 100

39 112.4 96.4 144.6

76 25.7 25.4 38.0





#15

Acrylonitrile

Concen: 113.281 ug/l

RT: 2.95 min Scan# 236

Delta R.T. 0.02 min

Lab File: VF061236.D

Acq: 28 Dec 2018 15:20

Instrument :

MSVOA\_F

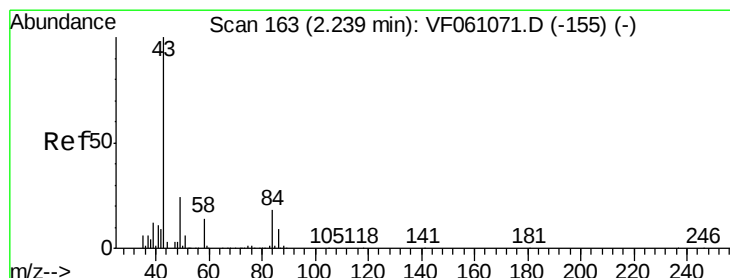
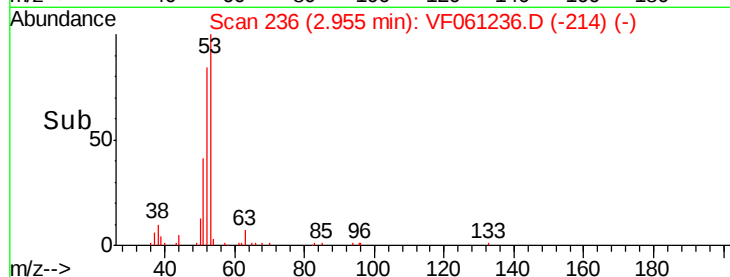
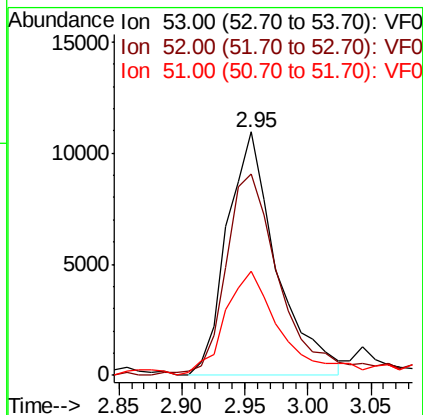
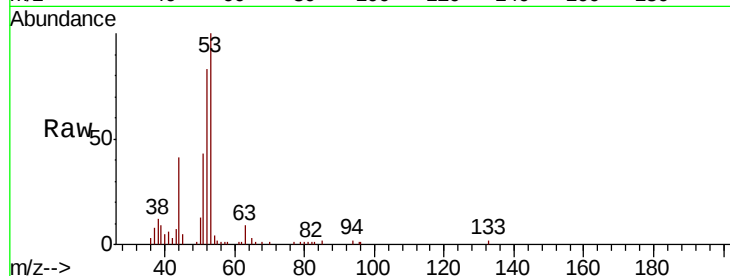
ClientSampleId :

VF1228SBS02

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 29776 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 82.9  | 71.3  | 106.9 |
| 51       | 42.5  | 36.8  | 55.2  |

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1/2/2019 11:52:32 AM



#16

Acetone

Concen: 88.641 ug/l

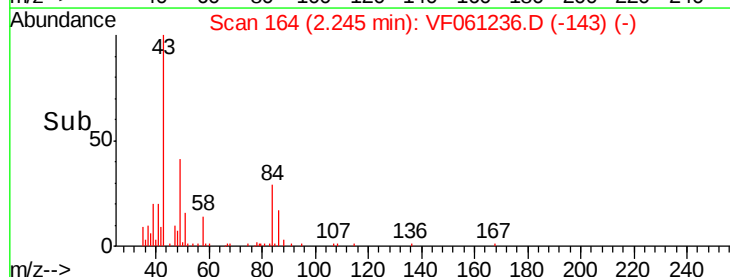
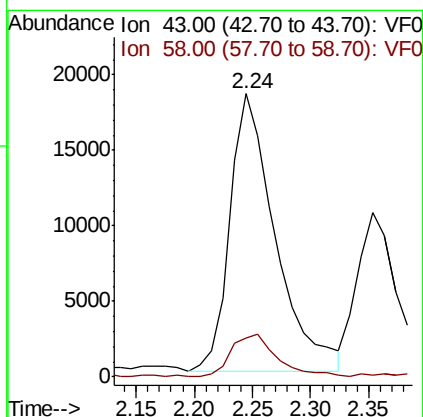
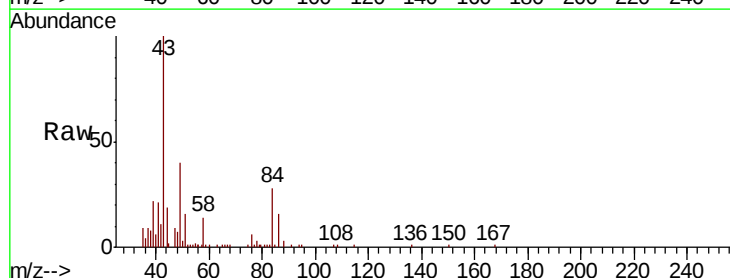
RT: 2.24 min Scan# 164

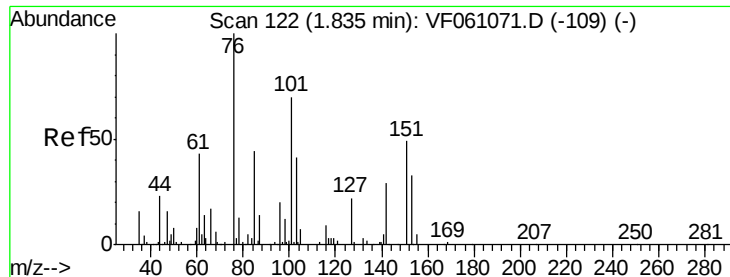
Delta R.T. 0.01 min

Lab File: VF061236.D

Acq: 28 Dec 2018 15:20

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 49915 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 13.9  | 11.1  | 16.7  |





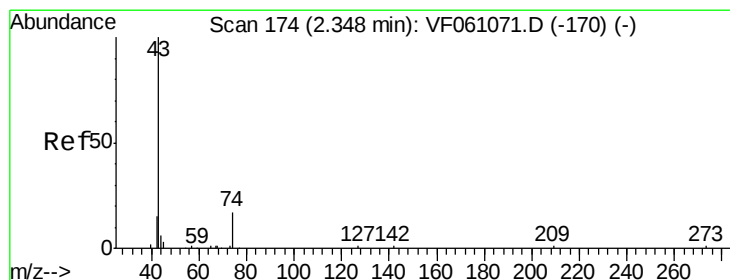
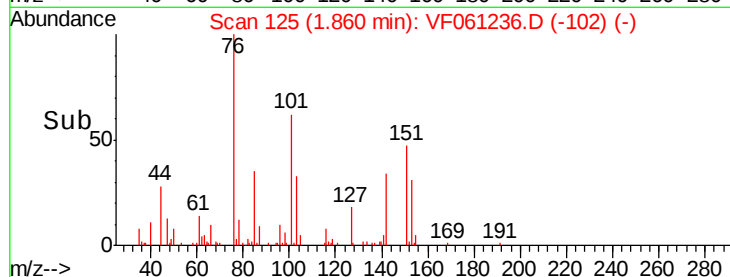
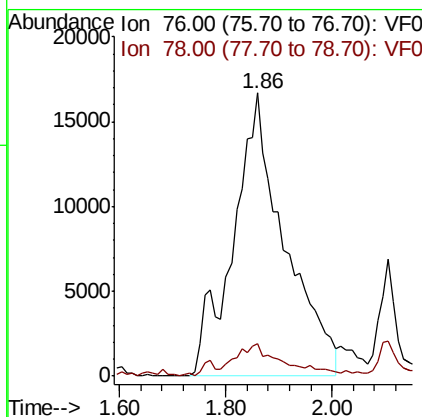
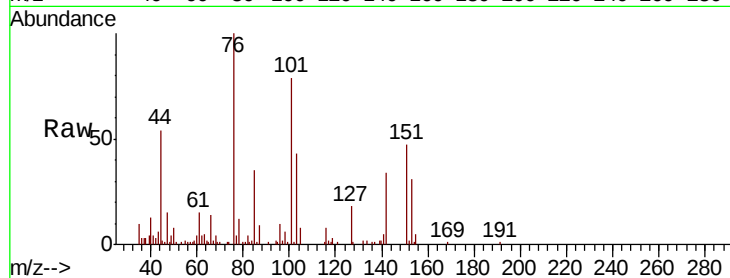
#17  
Carbon Disulfide  
Concen: 19.347 ug/l m  
RT: 1.86 min Scan# 125  
Delta R.T. 0.03 min  
Lab File: VF061236.D  
Acq: 28 Dec 2018 15:20

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF1228SBS02

Tot Ion: 76 Resp: 112872  
Ion Ratio Lower Upper  
76 100  
78 11.7 10.2 15.4

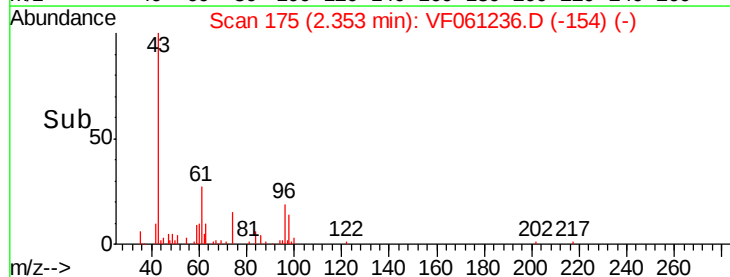
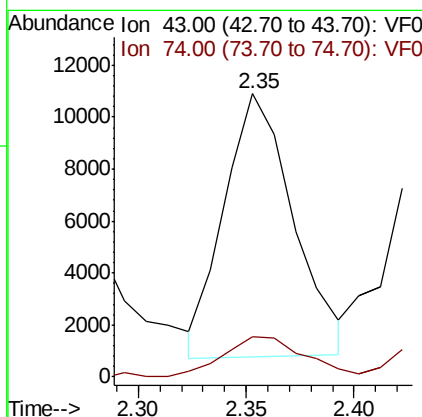
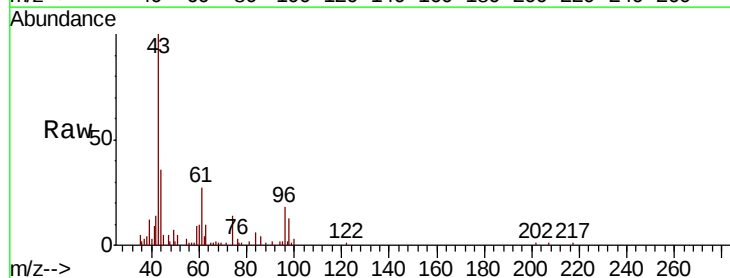
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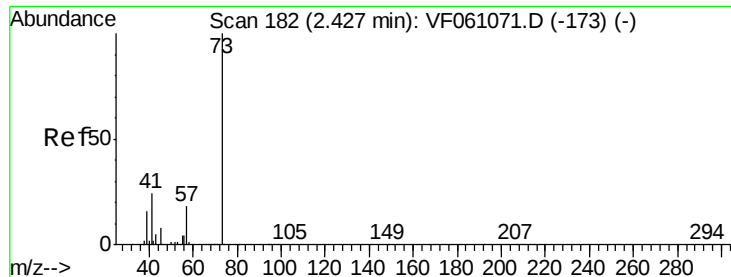
MMDadoda  
1/2/2019 11:52:32 AM



#18  
Methyl Acetate  
Concen: 19.353 ug/l  
RT: 2.35 min Scan# 175  
Delta R.T. 0.01 min  
Lab File: VF061236.D  
Acq: 28 Dec 2018 15:20

Tgt Ion: 43 Resp: 22547  
Ion Ratio Lower Upper  
43 100  
74 14.0 11.0 16.6





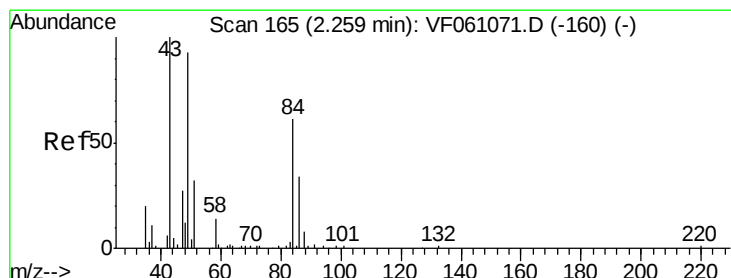
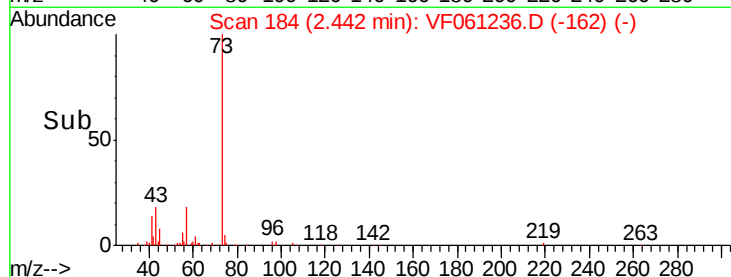
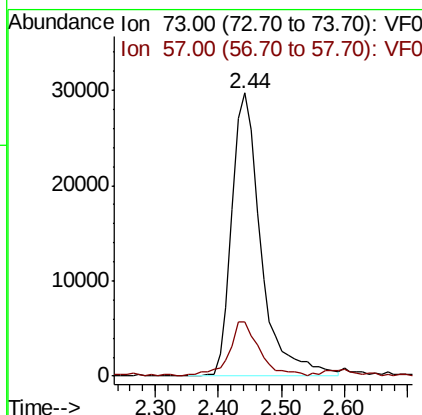
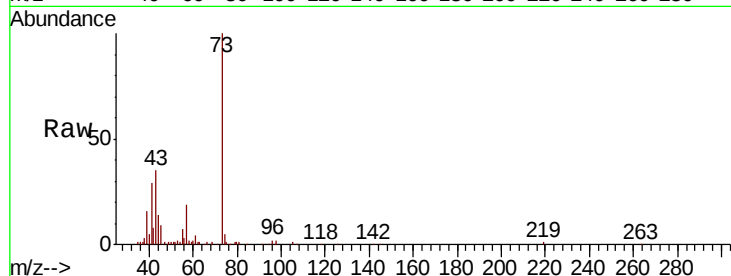
#19  
Methvl tert-butvl Ether  
Concen: 22.200 ug/l  
RT: 2.44 min Scan# 184  
Delta R.T. 0.02 min  
Lab File: VF061236.D  
Acq: 28 Dec 2018 15:20

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF1228SBS02

Tot Ion: 73 Resp: 95132  
Ion Ratio Lower Upper  
73 100  
57 19.0 14.5 21.7

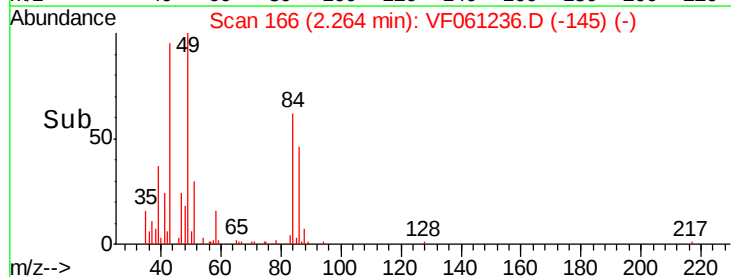
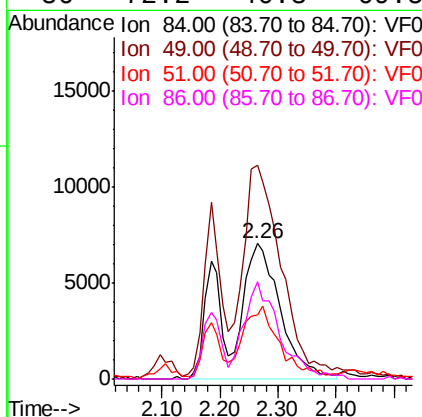
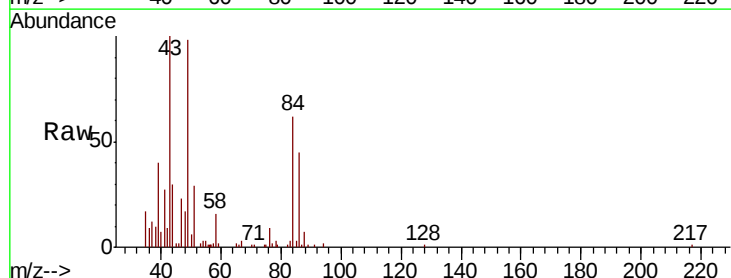
Manual Integrations  
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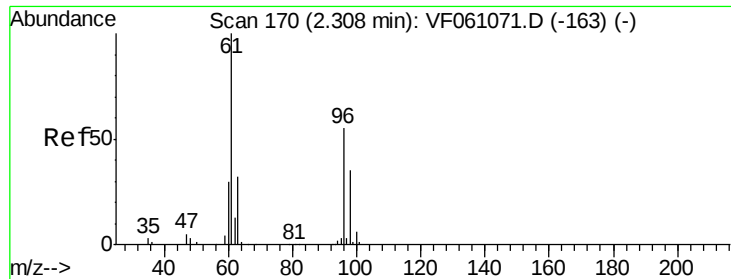
MMDadoda  
1/2/2019 11:52:32 AM



#20  
Methylene Chloride  
Concen: 21.284 ug/l m  
RT: 2.26 min Scan# 166  
Delta R.T. 0.01 min  
Lab File: VF061236.D  
Acq: 28 Dec 2018 15:20

Tgt Ion: 84 Resp: 42942  
Ion Ratio Lower Upper  
84 100  
49 157.6 129.4 194.2  
51 47.1 44.0 66.0  
86 72.2 46.3 69.5#





#21

trans-1,2-Dichloroethene

Concen: 19.258 ug/l m

RT: 2.31 min Scan# 171

Delta R.T. 0.01 min

Lab File: VF061236.D

Acq: 28 Dec 2018 15:20

Instrument :

MSVOA\_F

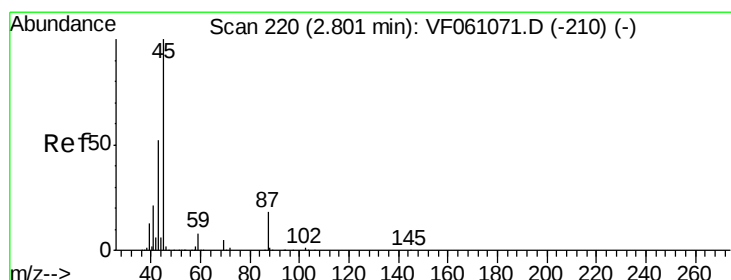
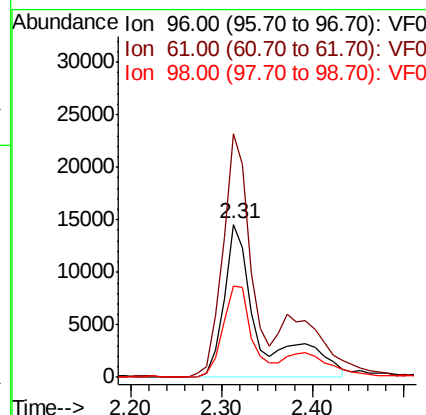
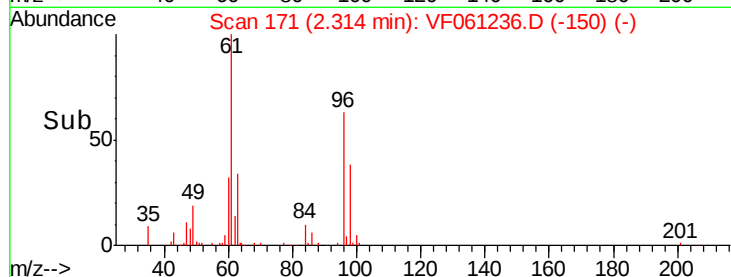
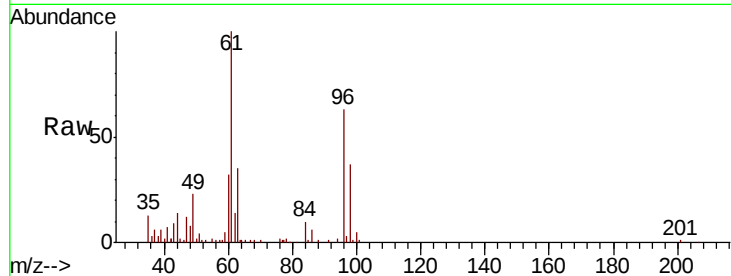
ClientSampleId :

VF1228SBS02

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 39764 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 159.2 | 146.0 | 219.0 |
| 98       | 59.5  | 51.6  | 77.4  |

Manual Integrations  
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MMDadoda  
1/2/2019 11:52:32 AM



#22

Diisopropyl ether

Concen: 23.061 ug/l

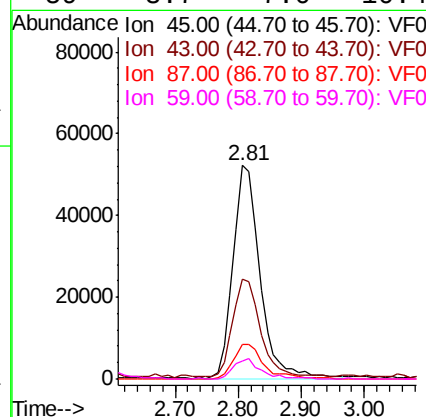
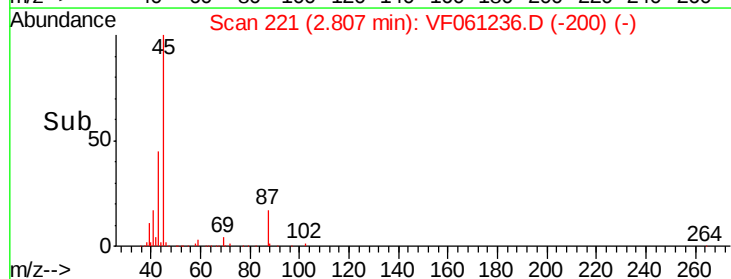
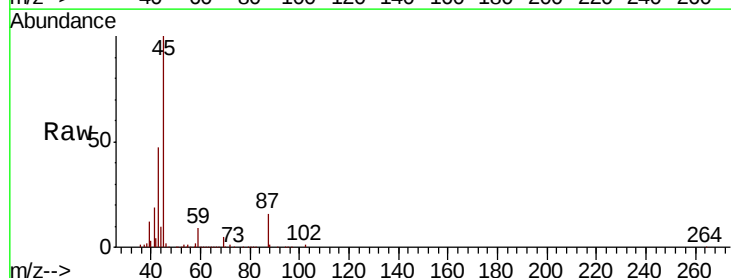
RT: 2.81 min Scan# 221

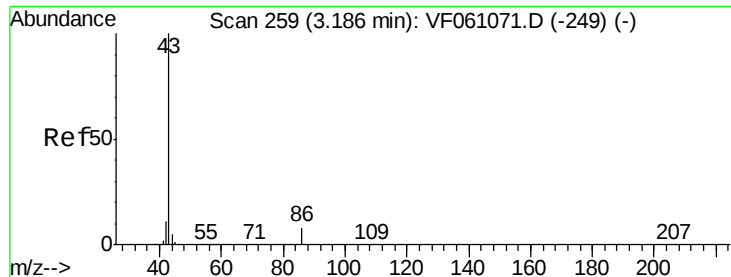
Delta R.T. 0.01 min

Lab File: VF061236.D

Acq: 28 Dec 2018 15:20

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 154326 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 46.8  | 42.2  | 63.2   |
| 87       | 16.4  | 14.6  | 22.0   |
| 59       | 8.7   | 7.0   | 10.4   |





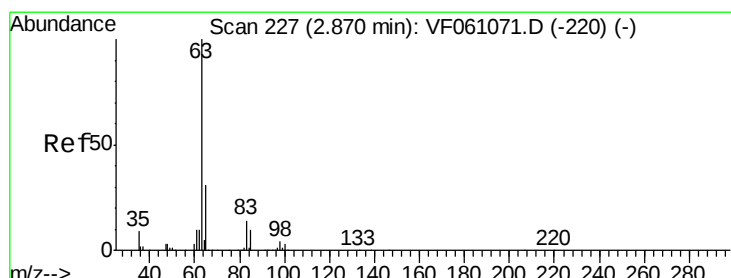
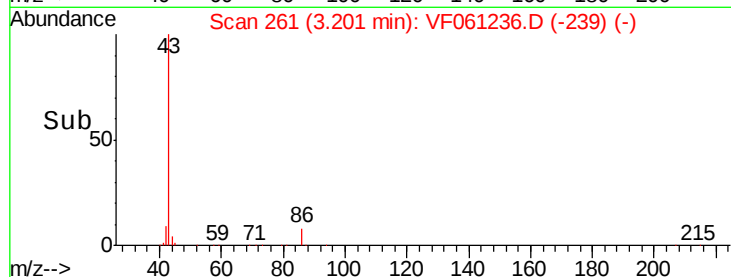
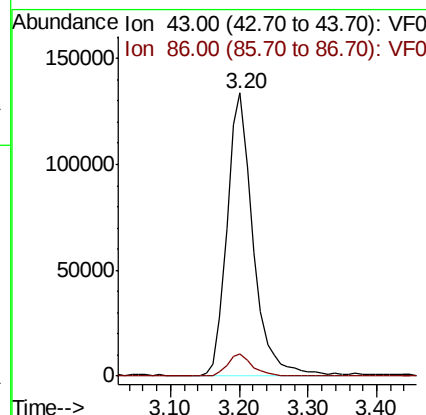
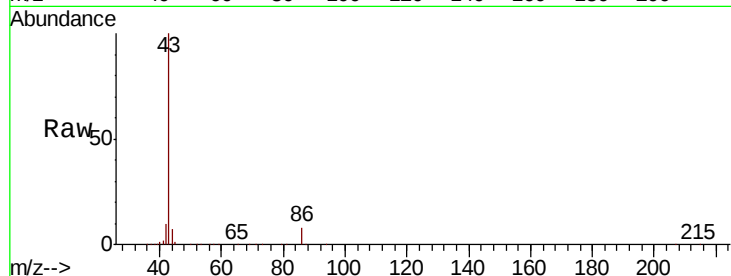
#23  
 Vinyl Acetate  
 Concen: 112.590 ug/l  
 RT: 3.20 min Scan# 261  
 Delta R.T. 0.02 min  
 Lab File: VF061236.D  
 Acq: 28 Dec 2018 15:20

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF1228SBS02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 43      | 100   | 347598 |       |       |
| 86      | 7.8   |        | 6.3   | 9.5   |

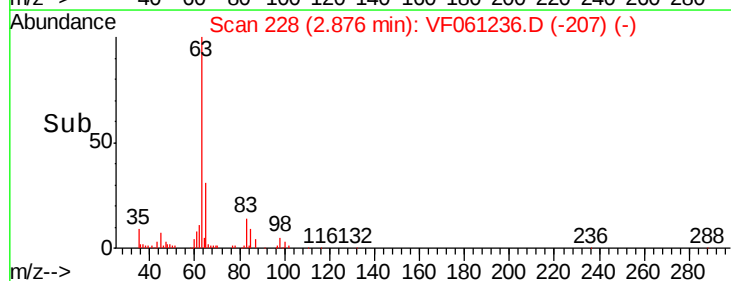
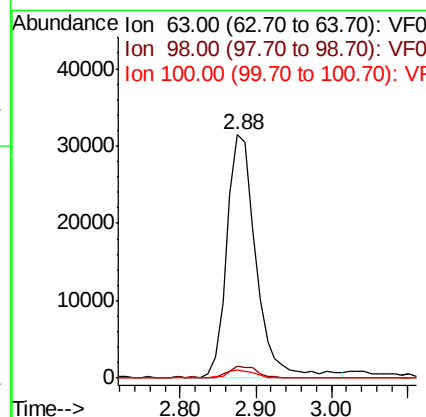
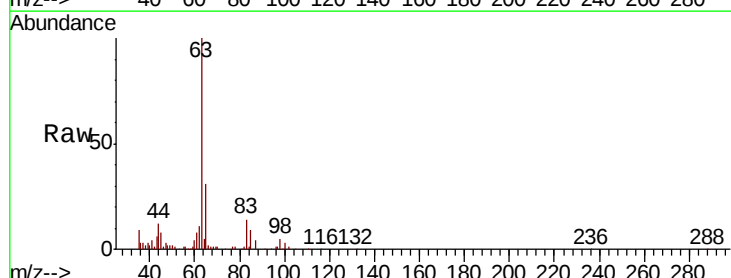
Manual Integrations  
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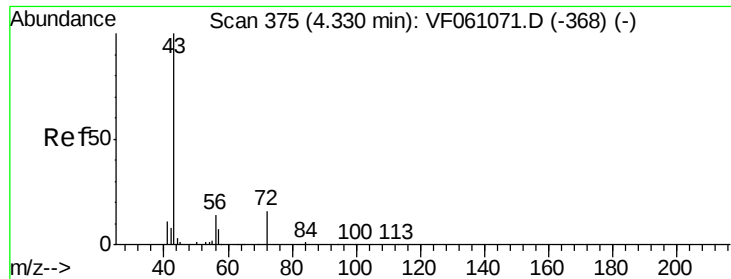
MMDadoda  
 1/2/2019 11:52:32 AM



#24  
 1,1-Dichloroethane  
 Concen: 21.463 ug/l  
 RT: 2.88 min Scan# 228  
 Delta R.T. 0.01 min  
 Lab File: VF061236.D  
 Acq: 28 Dec 2018 15:20

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 63      | 100   | 85104 |       |       |
| 98      | 4.7   |       | 2.1   | 6.5   |
| 100     | 3.2   |       | 1.7   | 5.1   |





#25

2-Butanone

Concen: 110.630 ug/l

RT: 4.35 min Scan# 377

Delta R.T. 0.02 min

Lab File: VF061236.D

Acq: 28 Dec 2018 15:20

Instrument :

MSVOA\_F

ClientSampleId :

VF1228SBS02

Tot Ion: 43 Resp: 101035

Ion Ratio Lower Upper

43 100

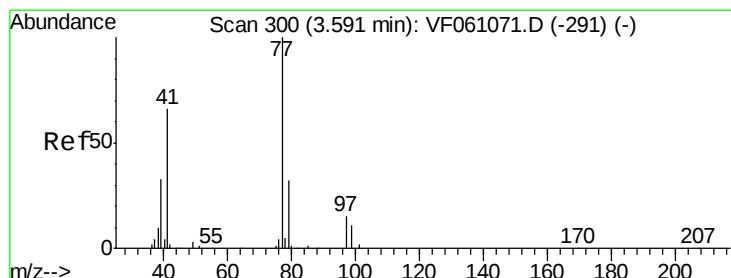
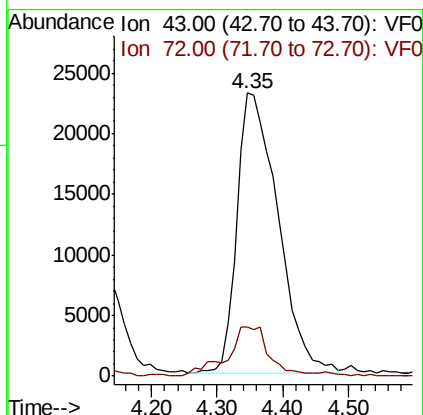
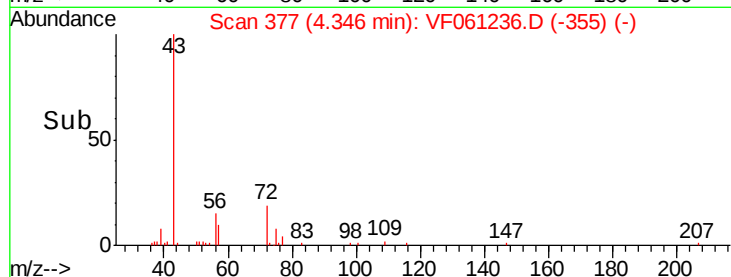
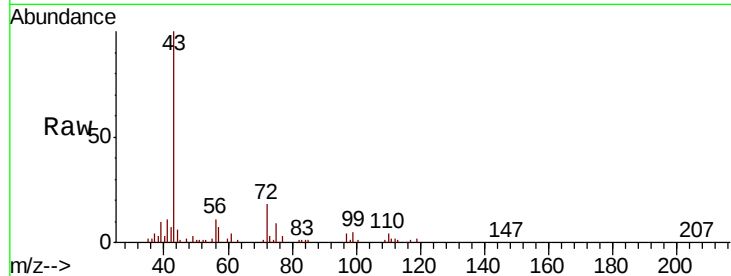
72 17.5 15.6 23.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.101 ug/l

RT: 3.62 min Scan# 303

Delta R.T. 0.03 min

Lab File: VF061236.D

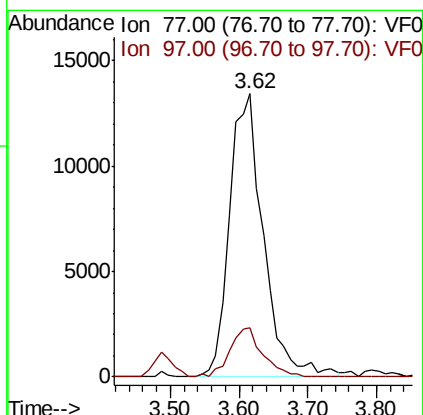
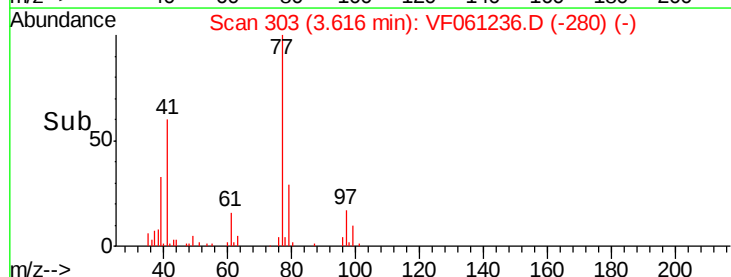
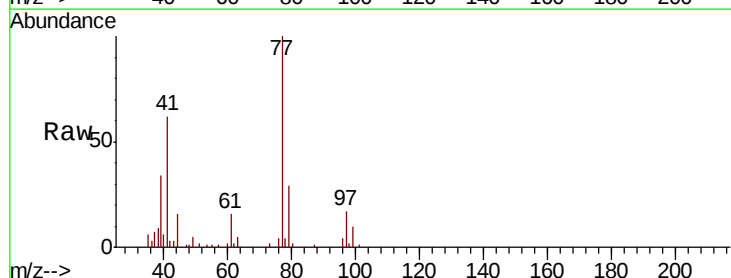
Acq: 28 Dec 2018 15:20

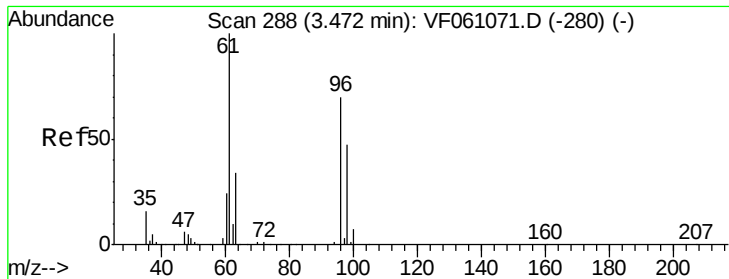
Tgt Ion: 77 Resp: 45739

Ion Ratio Lower Upper

77 100

97 17.3 8.2 24.4





#27

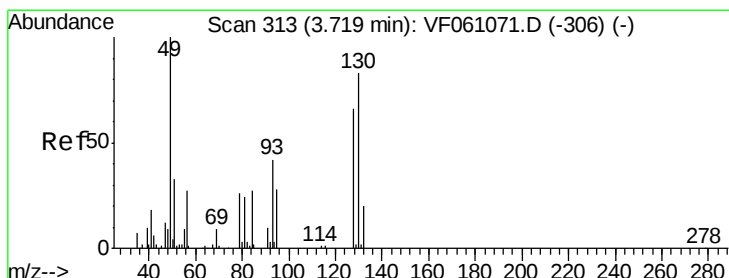
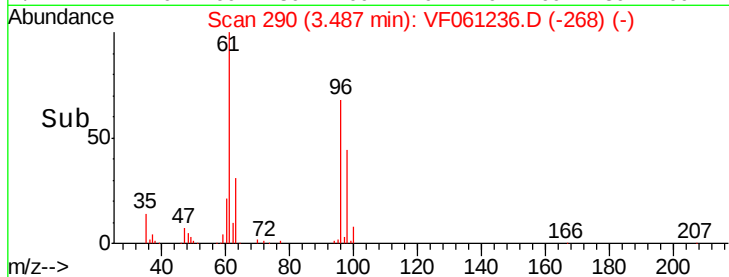
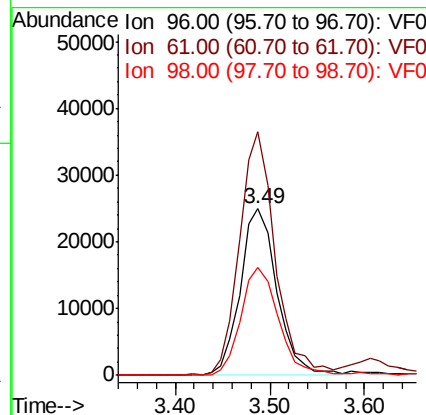
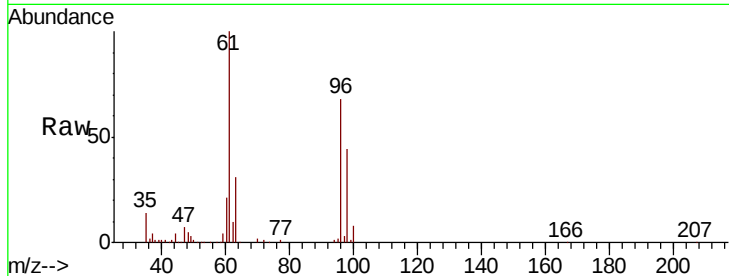
cis-1,2-Dichloroethene  
 Concen: 21.312 ug/l  
 RT: 3.49 min Scan# 290  
 Delta R.T. 0.02 min  
 Lab File: VF061236.D  
 Acq: 28 Dec 2018 15:20

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF1228SBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 146.2 | 0.0   | 287.8 |
| 98      | 64.7  | 0.0   | 134.2 |

Manual Integrations  
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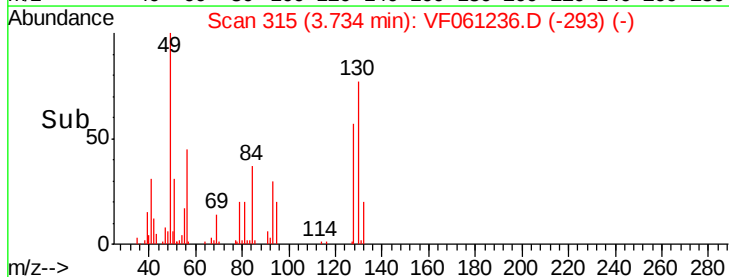
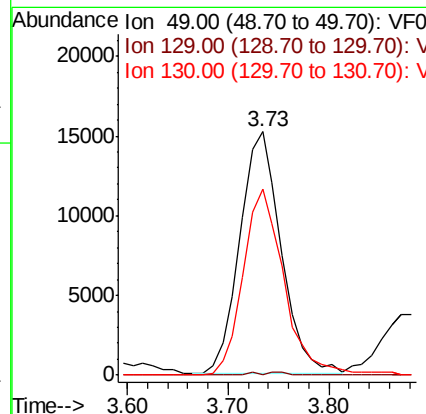
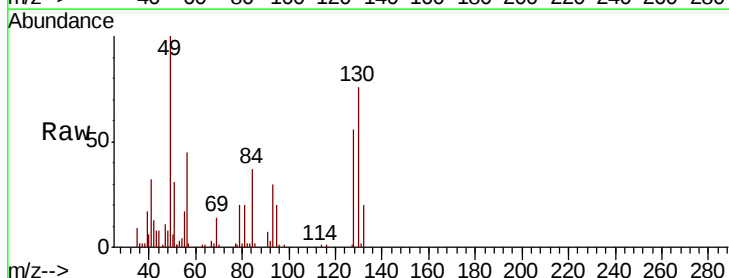
MMDadoda  
 1/2/2019 11:52:32 AM

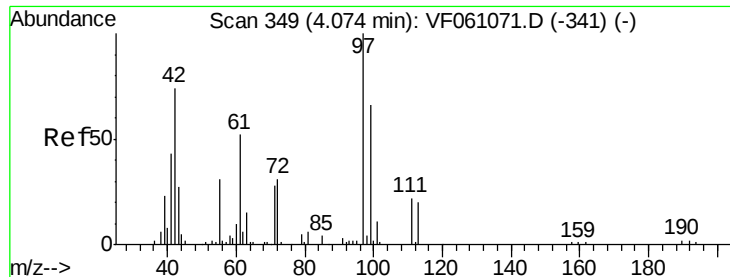


#28

Bromochloromethane  
 Concen: 21.440 ug/l  
 RT: 3.73 min Scan# 315  
 Delta R.T. 0.02 min  
 Lab File: VF061236.D  
 Acq: 28 Dec 2018 15:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 0.0   | 0.0   | 3.6   |
| 130     | 76.4  | 65.8  | 98.6  |





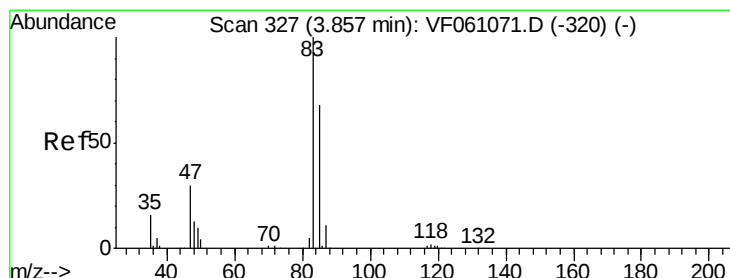
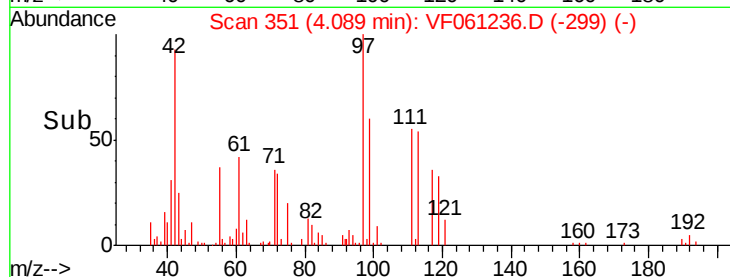
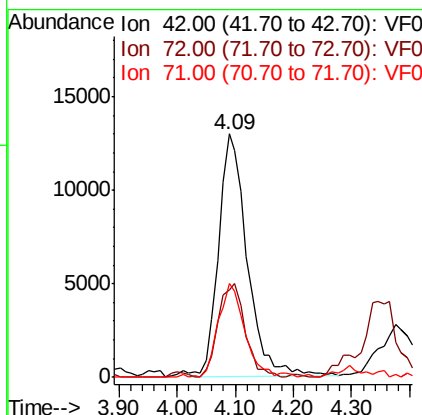
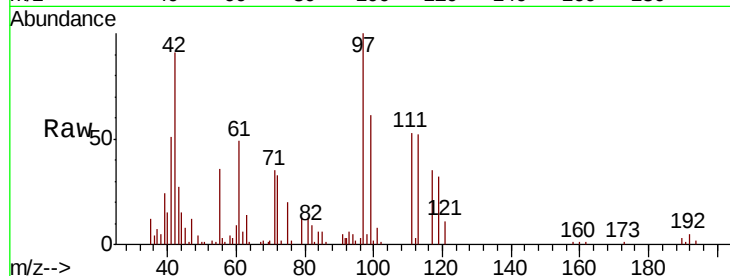
#29  
Tetrahydrofuran  
Concen: 119.494 ug/l  
RT: 4.09 min Scan# 351  
Delta R.T. 0.02 min  
Lab File: VF061236.D  
Acq: 28 Dec 2018 15:20

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF1228SBSD02

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 42      | 100   | 44417 |       |       |
| 72      | 36.4  |       | 31.8  | 47.8  |
| 71      | 36.0  |       | 29.7  | 44.5  |

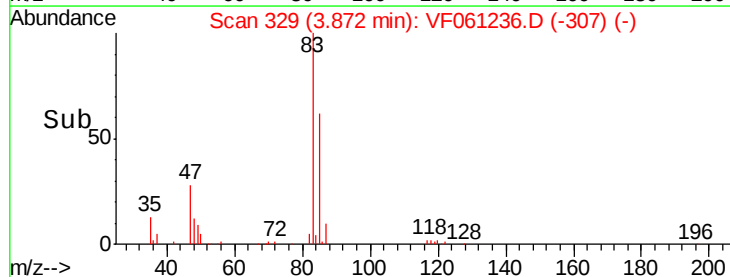
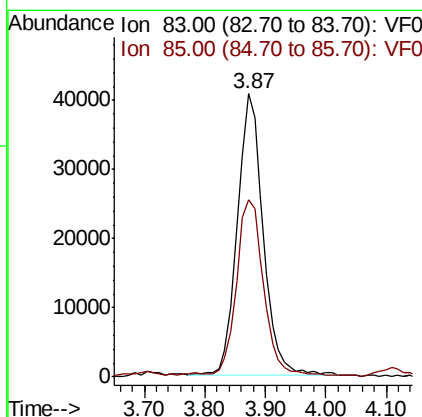
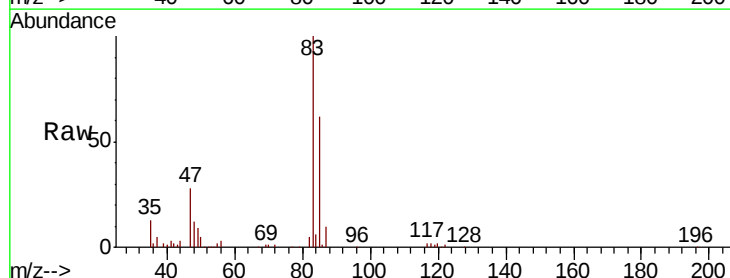
Manual Integrations  
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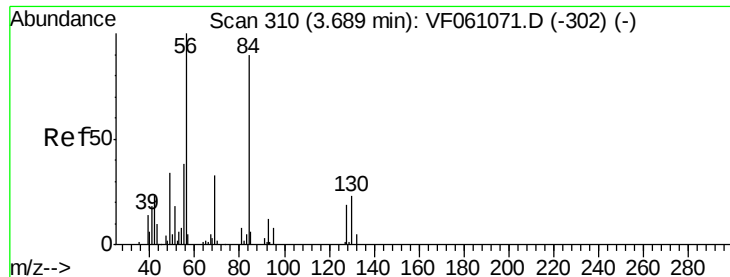
MMDadoda  
1/2/2019 11:52:32 AM



#30  
Chloroform  
Concen: 20.379 ug/l  
RT: 3.87 min Scan# 329  
Delta R.T. 0.02 min  
Lab File: VF061236.D  
Acq: 28 Dec 2018 15:20

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 121164 |       |       |
| 85      | 62.4  |        | 54.5  | 81.7  |





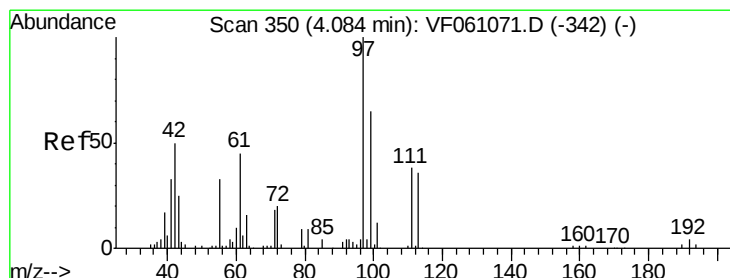
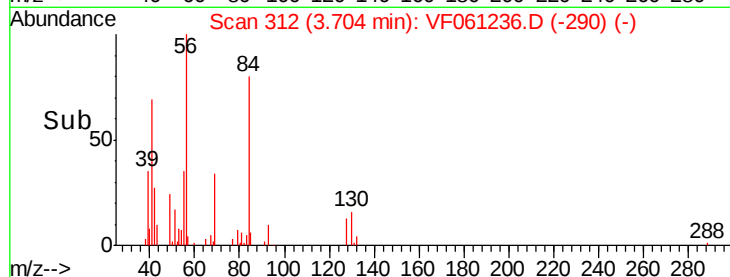
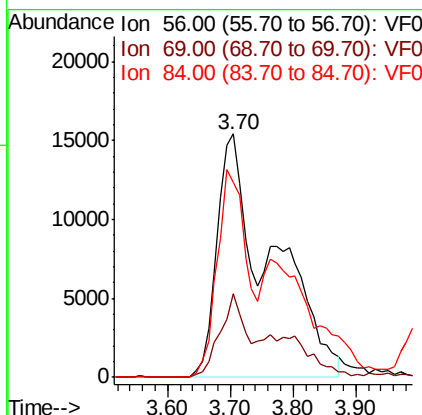
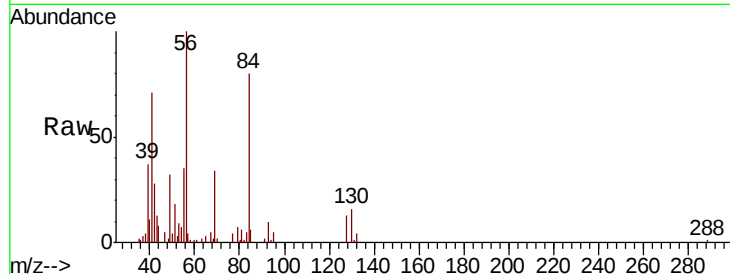
#31  
Cvclohexane  
Concen: 22.271 ug/l m  
RT: 3.70 min Scan# 312  
Delta R.T. 0.02 min  
Lab File: VF061236.D  
Acq: 28 Dec 2018 15:20

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF1228SBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 34.4  | 26.0  | 39.0  |
| 84      | 80.2  | 71.4  | 107.2 |

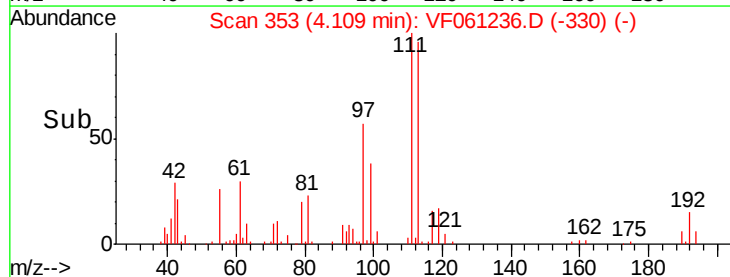
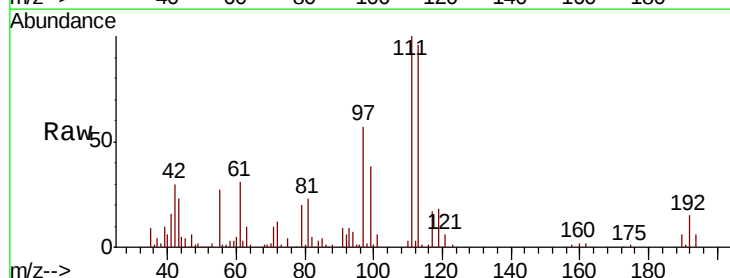
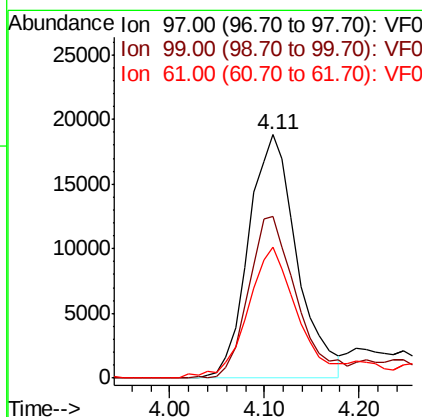
Manual Integrations  
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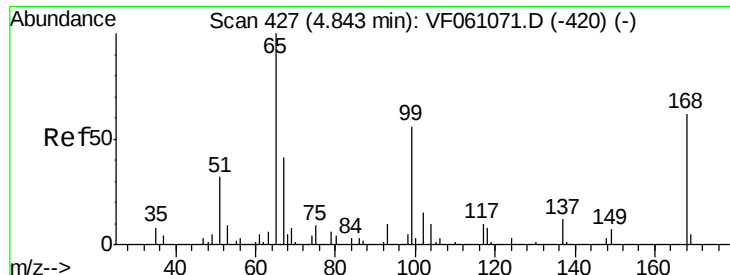
MMDadoda  
1/2/2019 11:52:32 AM



#32  
1,1,1-Trichloroethane  
Concen: 18.767 ug/l  
RT: 4.11 min Scan# 353  
Delta R.T. 0.03 min  
Lab File: VF061236.D  
Acq: 28 Dec 2018 15:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 66.4  | 51.6  | 77.4  |
| 61      | 53.9  | 36.2  | 54.2  |





#33

1,2-Dichloroethane-d4

Concen: 46.124 ug/l

RT: 4.86 min Scan# 429

Delta R.T. 0.02 min

Lab File: VF061236.D

Acq: 28 Dec 2018 15:20

Tot Ion: 65 Resp: 129923

Ion Ratio Lower Upper

65 100

67 48.8 0.0 94.6

Instrument :

MSVOA\_F

ClientSampleId :

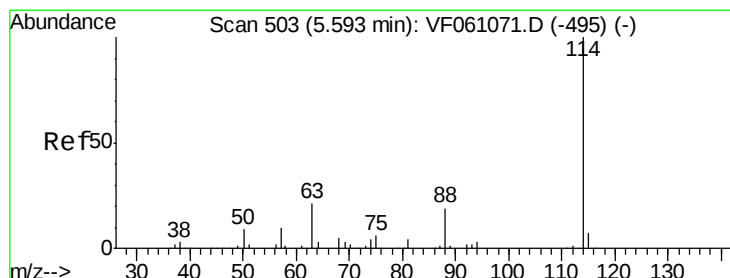
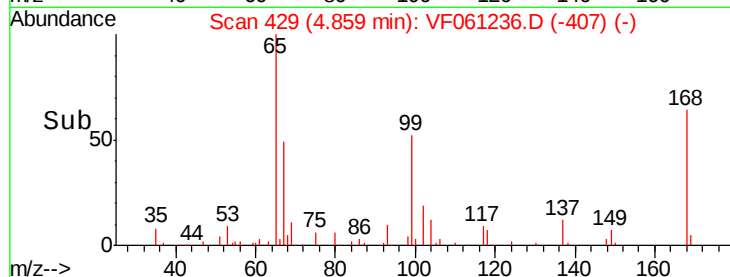
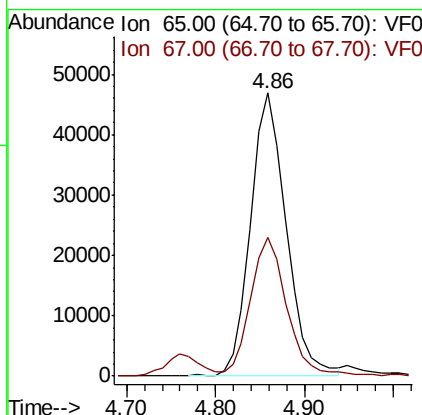
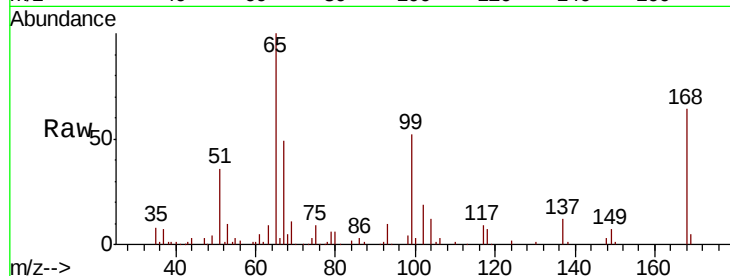
VF1228SBSD02

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. 0.02 min

Lab File: VF061236.D

Acq: 28 Dec 2018 15:20

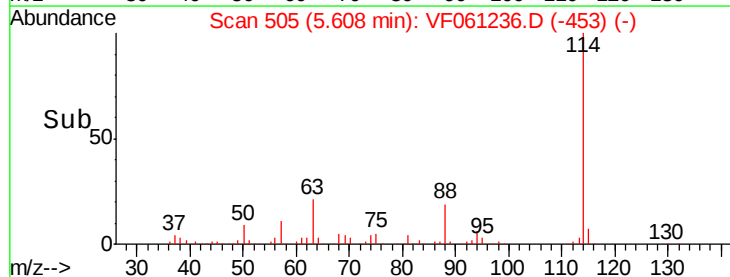
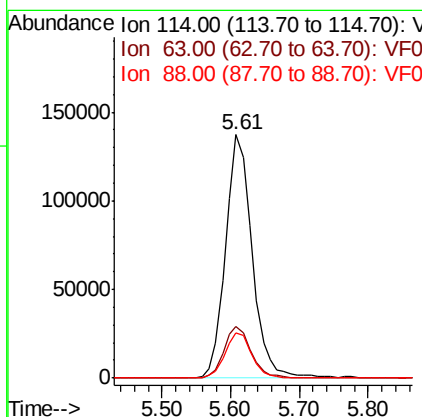
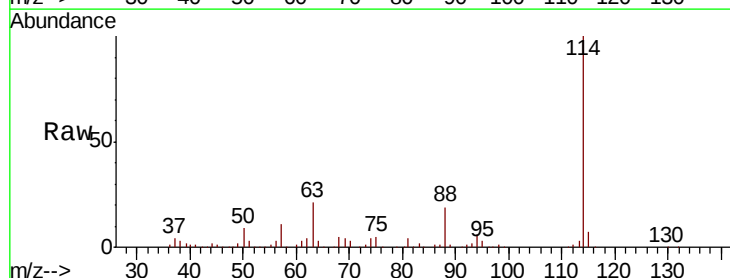
Tgt Ion: 114 Resp: 369419

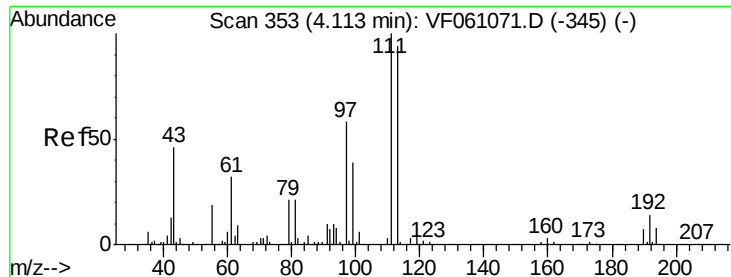
Ion Ratio Lower Upper

114 100

63 21.4 0.0 41.6

88 18.7 0.0 38.0





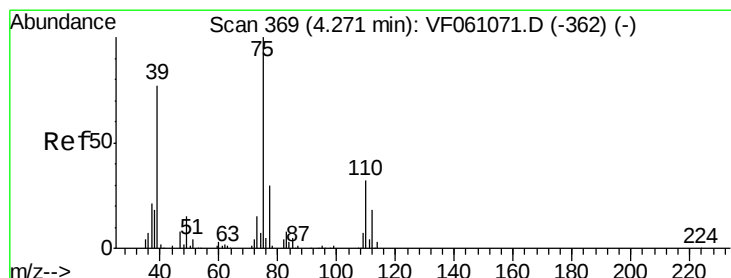
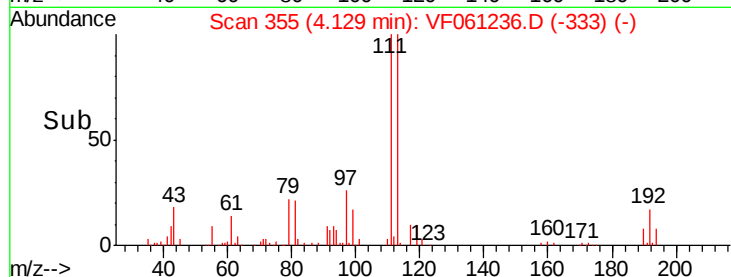
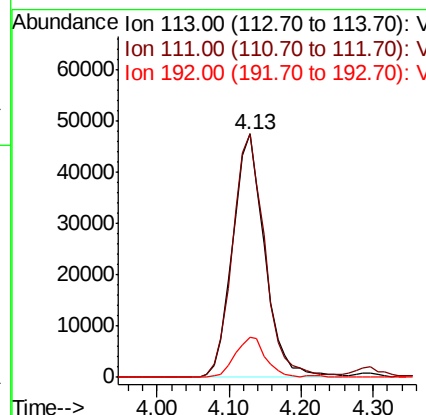
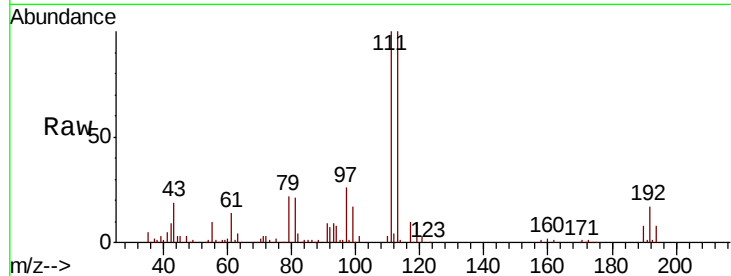
#35  
 Dibromofluoromethane  
 Concen: 49.804 ug/l  
 RT: 4.13 min Scan# 355  
 Delta R.T. 0.02 min  
 Lab File: VF061236.D  
 Acq: 28 Dec 2018 15:20

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF1228SBS02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 147383 |       |       |
| 111     | 100.0 | 85.2   | 127.8 |       |
| 192     | 17.3  | 12.8   | 19.2  |       |

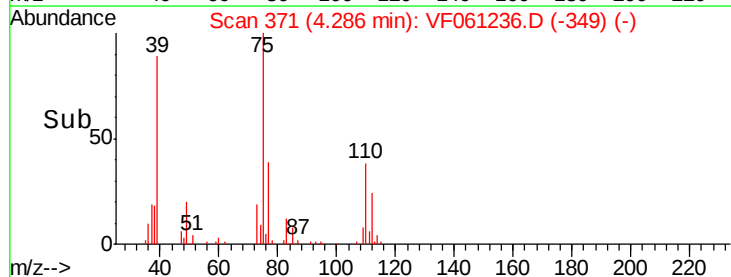
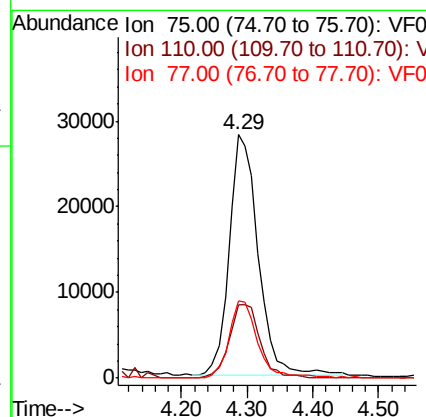
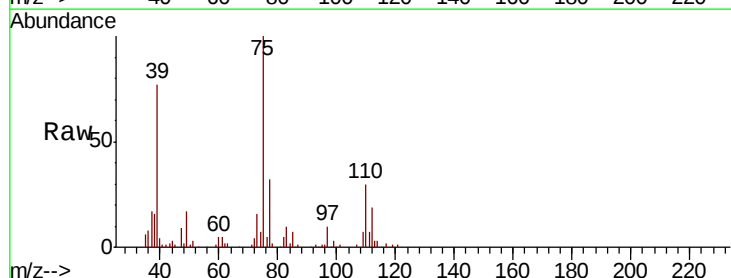
Manual Integrations  
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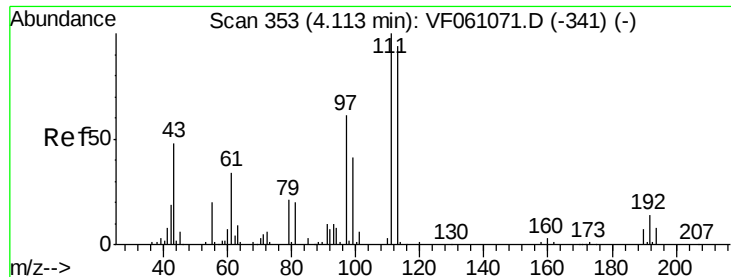
MMDadoda  
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#36  
 1,1-Dichloropropene  
 Concen: 19.449 ug/l  
 RT: 4.29 min Scan# 371  
 Delta R.T. 0.02 min  
 Lab File: VF061236.D  
 Acq: 28 Dec 2018 15:20

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 86724 |       |       |
| 110     | 29.9  | 16.1  | 48.2  |       |
| 77      | 31.7  | 24.5  | 36.7  |       |





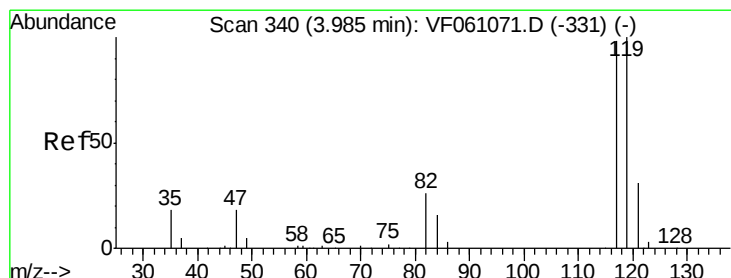
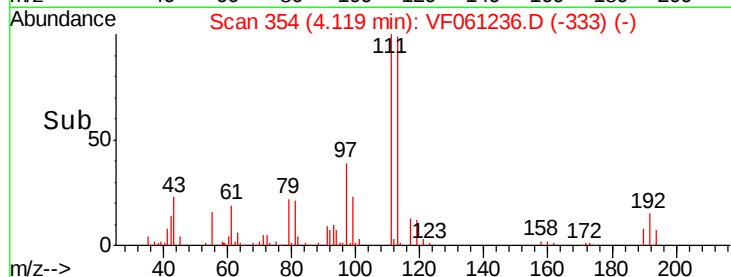
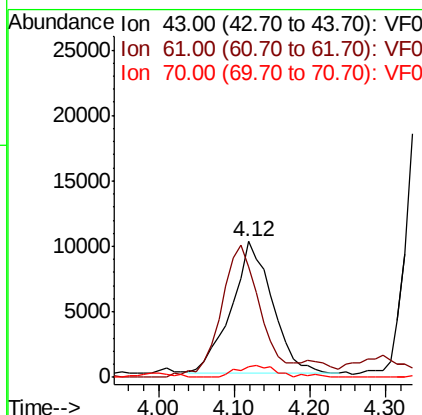
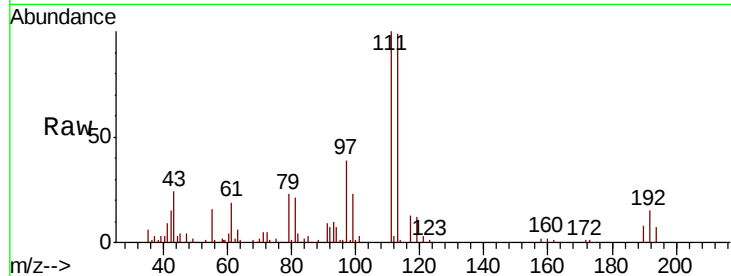
#37  
Ethyl Acetate  
Concen: 19.626 ug/l  
RT: 4.12 min Scan# 354  
Delta R.T. 0.01 min  
Lab File: VF061236.D  
Acq: 28 Dec 2018 15:20

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF1228SBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 82.0  | 56.6  | 84.8  |
| 70      | 7.9   | 6.3   | 9.5   |

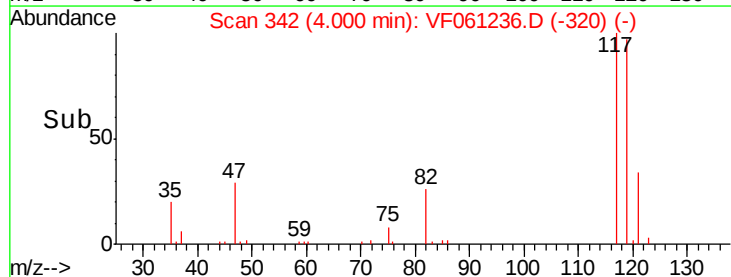
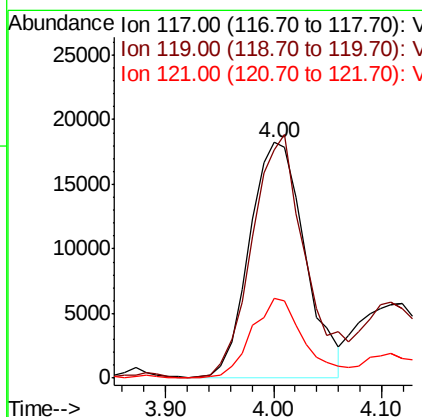
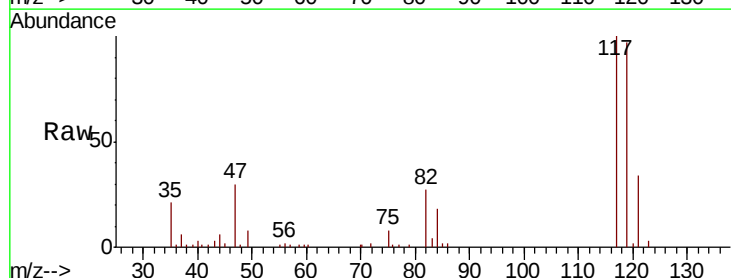
Manual Integrations  
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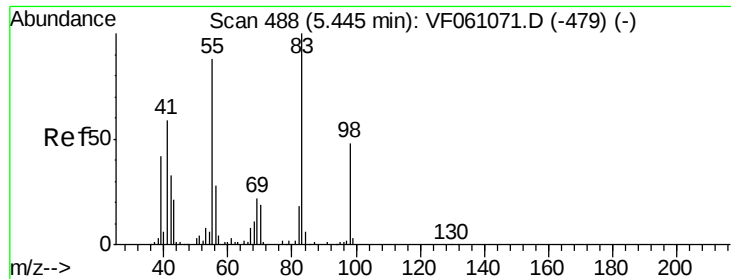
MMDadoda  
1/2/2019 11:52:32 AM



#38  
Carbon Tetrachloride  
Concen: 19.211 ug/l  
RT: 4.00 min Scan# 342  
Delta R.T. 0.02 min  
Lab File: VF061236.D  
Acq: 28 Dec 2018 15:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.7  | 82.1  | 123.1 |
| 121     | 34.0  | 25.5  | 38.3  |





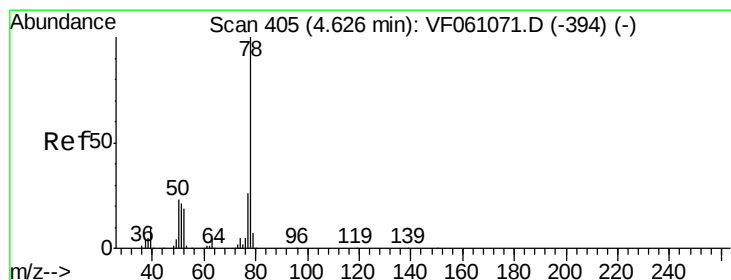
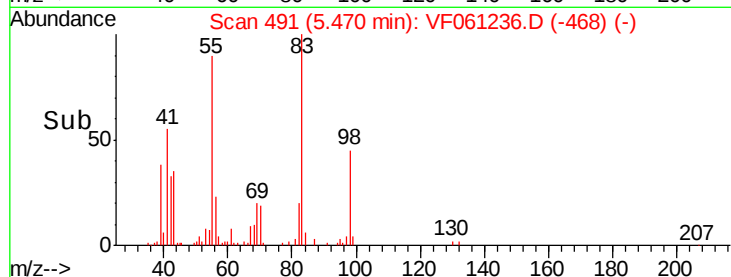
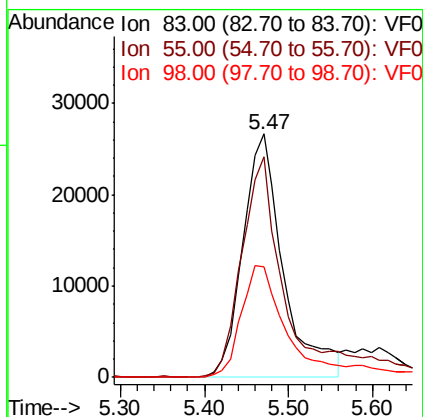
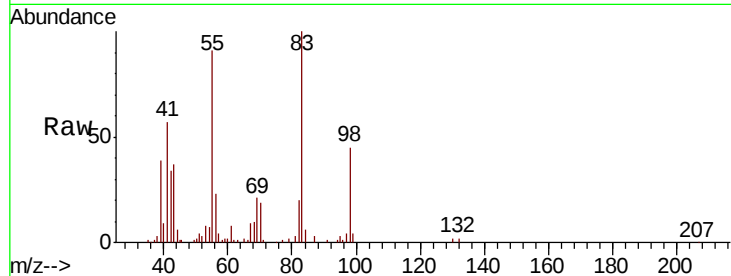
#39  
Methvlcvclohexane  
Concen: 22.469 ug/l  
RT: 5.47 min Scan# 491  
Delta R.T. 0.03 min  
Lab File: VF061236.D  
Acq: 28 Dec 2018 15:20

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF1228SBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 90.6  | 70.6  | 105.8 |
| 98      | 45.4  | 38.5  | 57.7  |

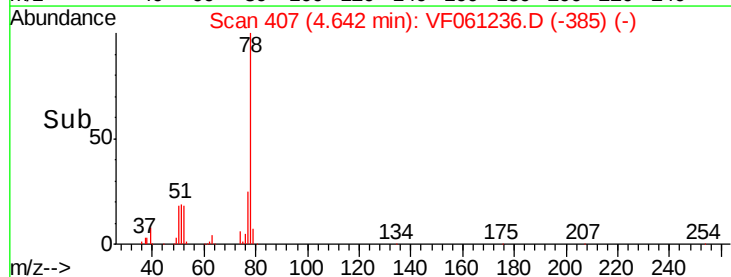
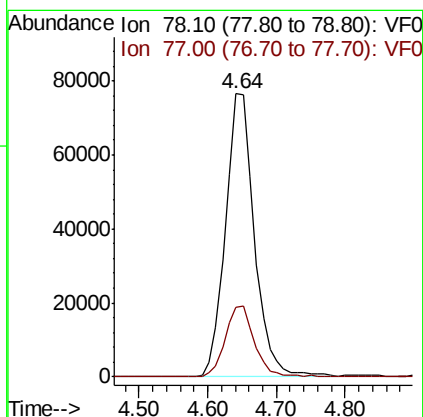
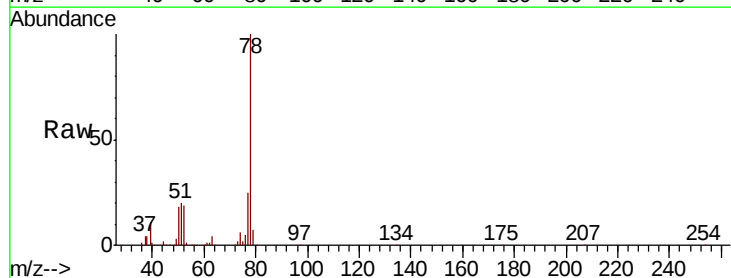
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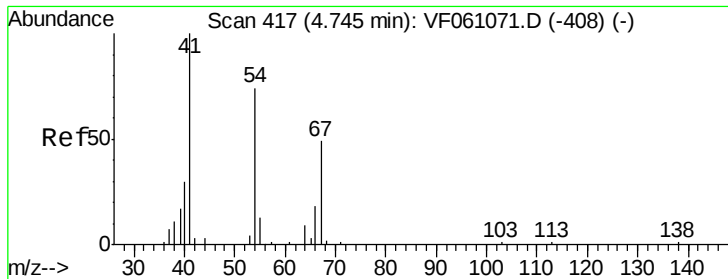
MMDadoda  
1/2/2019 11:52:32 AM



#40  
Benzene  
Concen: 23.312 ug/l  
RT: 4.64 min Scan# 407  
Delta R.T. 0.02 min  
Lab File: VF061236.D  
Acq: 28 Dec 2018 15:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.8  | 20.7  | 31.1  |





#41

Methacrylonitrile

Concen: 22.464 ug/l

RT: 4.77 min Scan# 420

Delta R.T. 0.03 min

Lab File: VF061236.D

Acq: 28 Dec 2018 15:20

Instrument :

MSVOA\_F

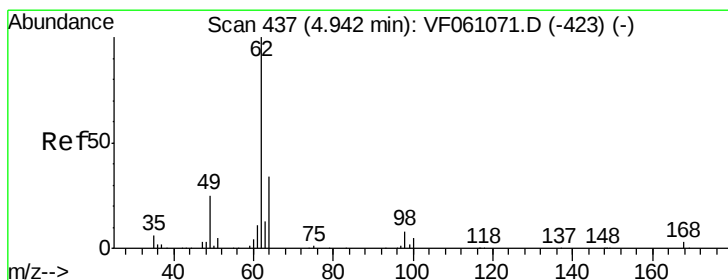
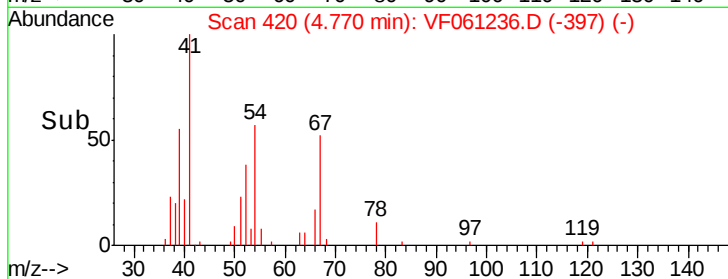
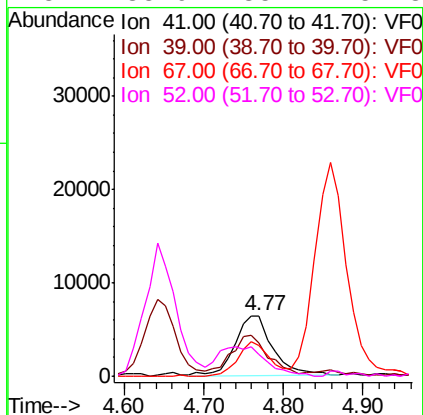
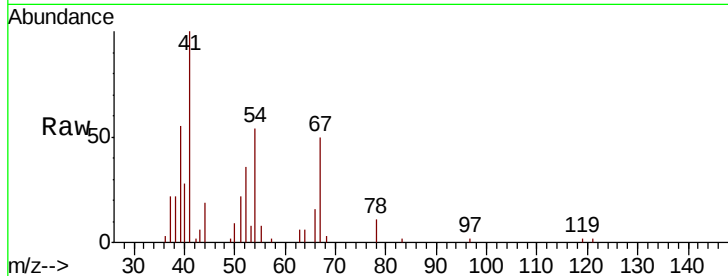
ClientSampleId :

VF1228SBS02

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 41    | Resp: | 21155 |
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 39        | 55.2  | 45.7  | 68.5  |
| 67        | 50.0  | 38.9  | 58.3  |
| 52        | 35.9  | 35.2  | 52.8  |

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#42

1,2-Dichloroethane

Concen: 19.337 ug/l

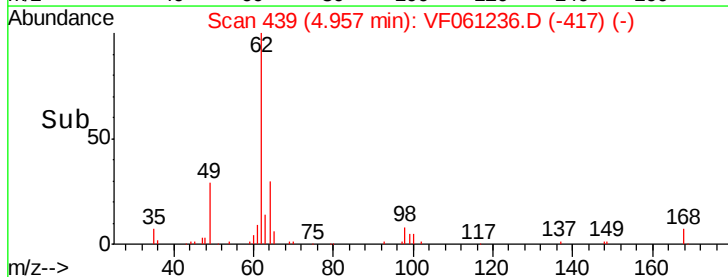
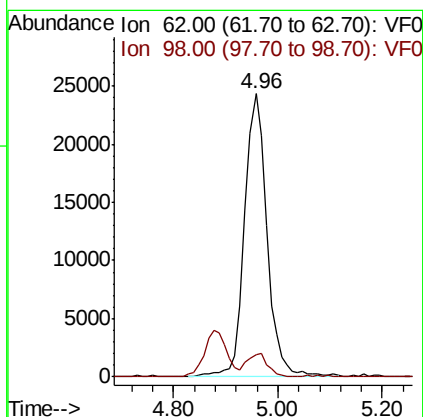
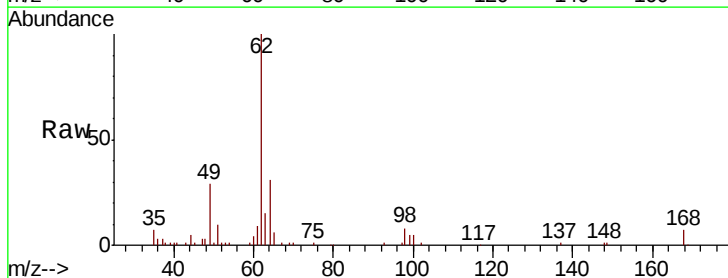
RT: 4.96 min Scan# 439

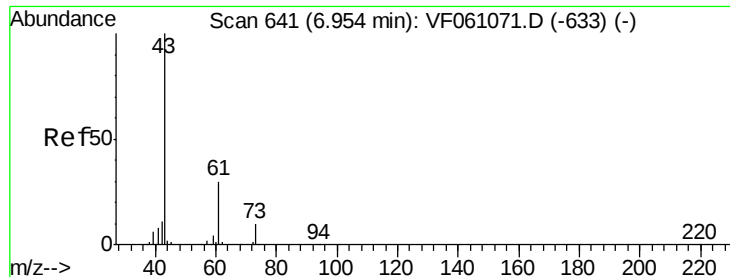
Delta R.T. 0.02 min

Lab File: VF061236.D

Acq: 28 Dec 2018 15:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 62    | Resp: | 70441 |
| Ion Ratio | Lower | Upper |       |
| 62        | 100   |       |       |
| 98        | 7.9   | 0.0   | 16.6  |





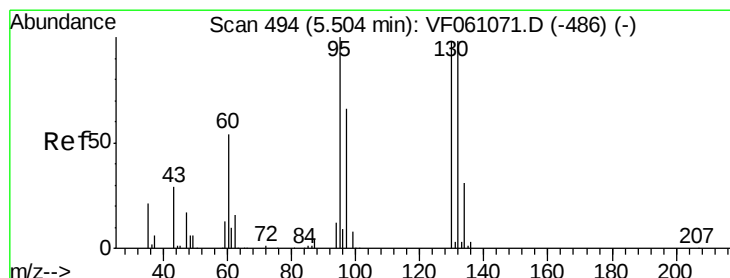
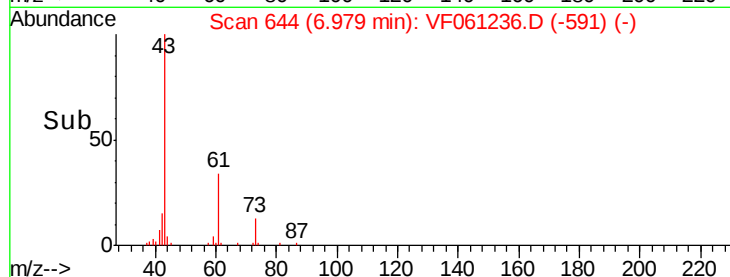
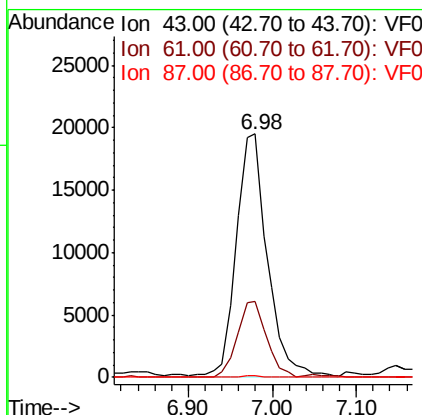
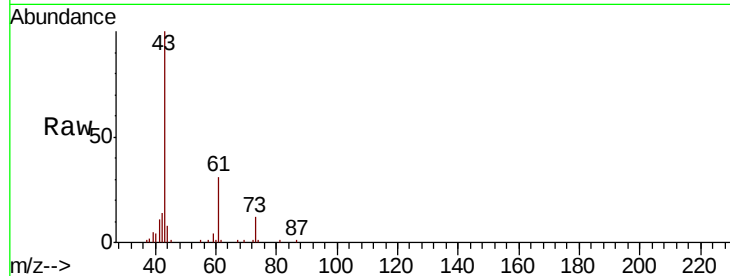
#43  
Isopropyl Acetate  
Concen: 23.469 ug/l  
RT: 6.98 min Scan# 644  
Delta R.T. 0.03 min  
Lab File: VF061236.D  
Acq: 28 Dec 2018 15:20

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF1228SBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 31.3  | 23.8  | 35.8  |
| 87      | 0.6   | 0.0   | 0.0#  |

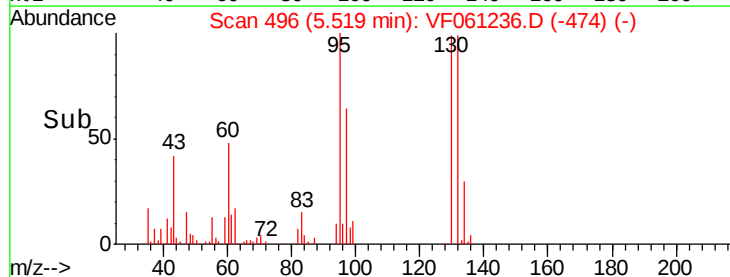
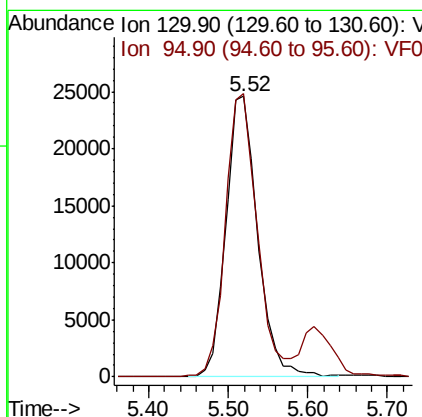
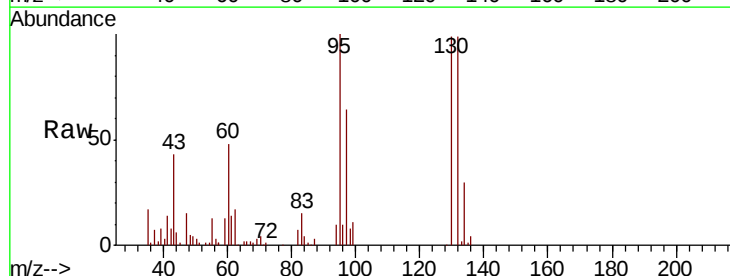
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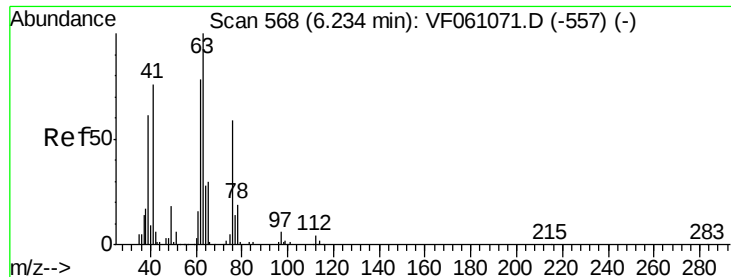
MMDadoda  
1/2/2019 11:52:32 AM



#44  
Trichloroethene  
Concen: 22.705 ug/l  
RT: 5.52 min Scan# 496  
Delta R.T. 0.02 min  
Lab File: VF061236.D  
Acq: 28 Dec 2018 15:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 101.0 | 0.0   | 205.2 |





#45

1,2-Dichloropropane

Concen: 21.483 ug/l

RT: 6.25 min Scan# 570

Delta R.T. 0.02 min

Lab File: VF061236.D

Acq: 28 Dec 2018 15:20

Instrument :

MSVOA\_F

ClientSampleId :

VF1228SBS02

Tot Ion: 63 Resp: 56047

Ion Ratio Lower Upper

63 100

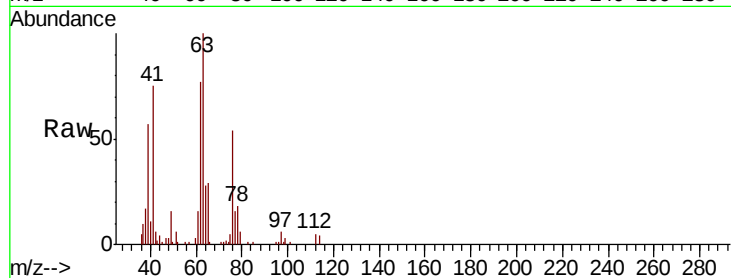
65 28.6 24.4 36.6

Manual Integrations

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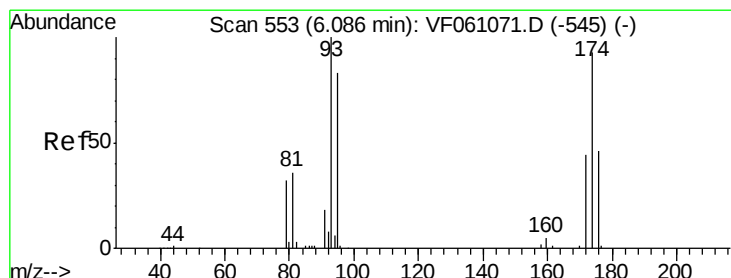
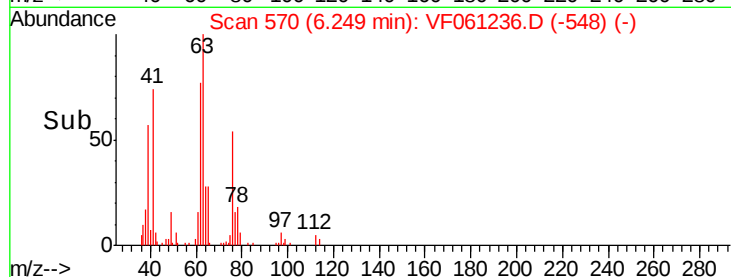
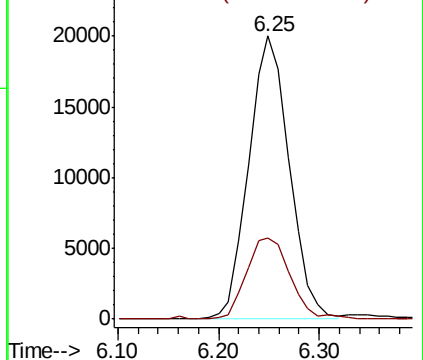
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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 20.471 ug/l

RT: 6.10 min Scan# 555

Delta R.T. 0.02 min

Lab File: VF061236.D

Acq: 28 Dec 2018 15:20

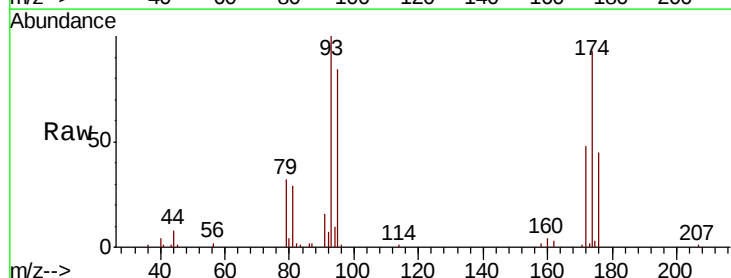
Tgt Ion: 93 Resp: 34640

Ion Ratio Lower Upper

93 100

95 84.4 66.9 100.3

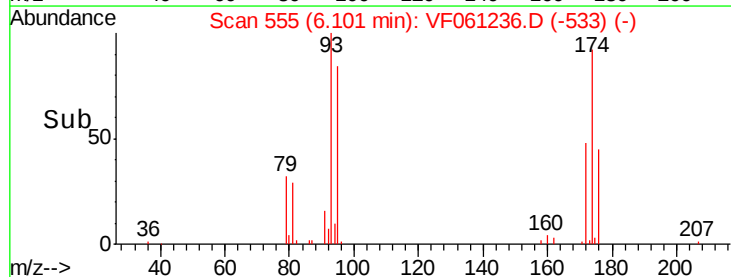
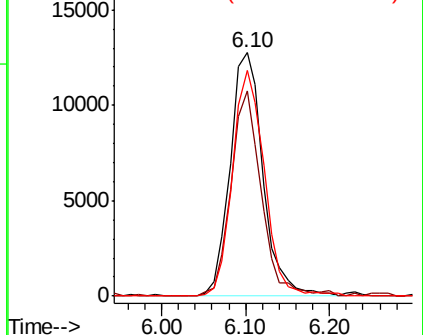
174 95.6 74.1 111.1

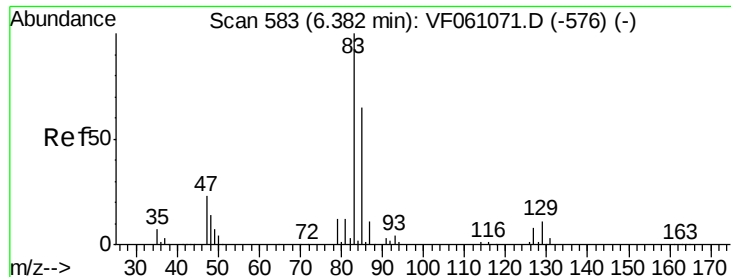


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 19.910 ug/l

RT: 6.40 min Scan# 585

Delta R.T. 0.02 min

Lab File: VF061236.D

Acq: 28 Dec 2018 15:20

Instrument :

MSVOA\_F

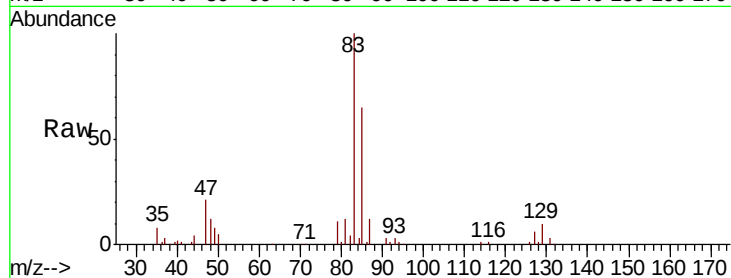
ClientSampleId :

VF1228SBS02

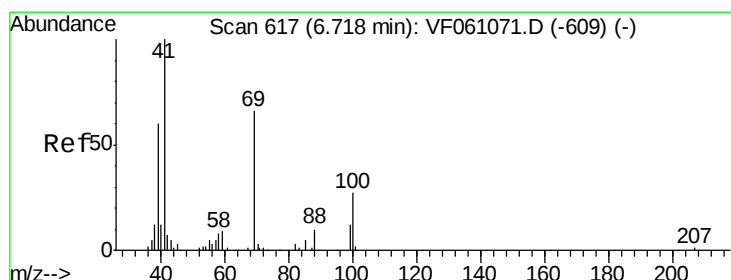
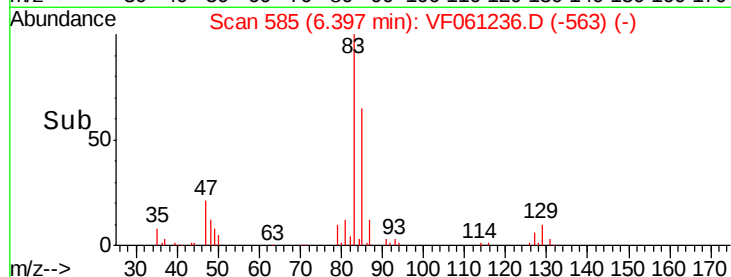
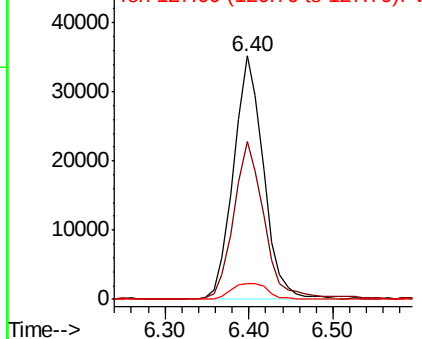
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 87535 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 85        | 64.8  | 52.2  | 78.4  |
| 127       | 6.4   | 6.1   | 9.1   |

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Abundance Ion 83.00 (82.70 to 83.70): VF0  
Ion 85.00 (84.70 to 85.70): VF0  
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 21.454 ug/l

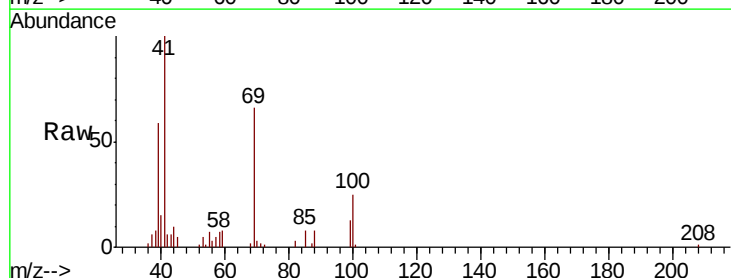
RT: 6.73 min Scan# 619

Delta R.T. 0.02 min

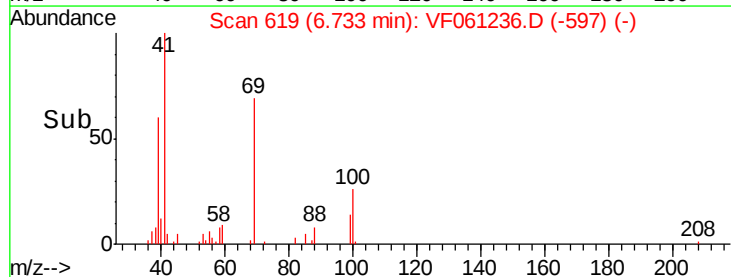
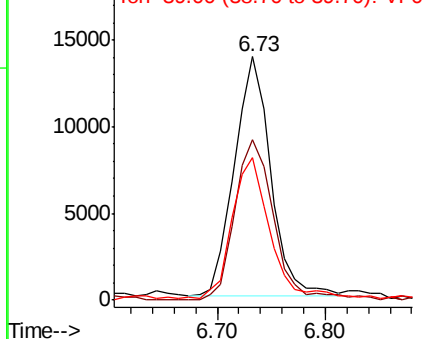
Lab File: VF061236.D

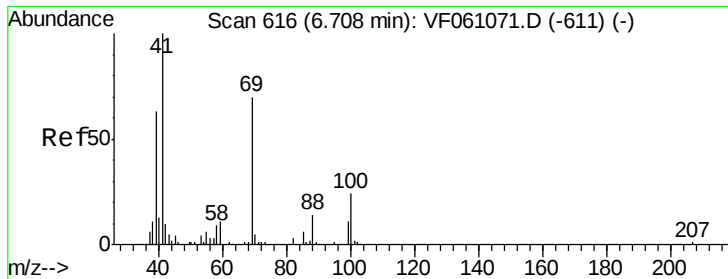
Acq: 28 Dec 2018 15:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 41    | Resp: | 32247 |
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 69        | 66.0  | 52.7  | 79.1  |
| 39        | 58.7  | 47.8  | 71.6  |



Abundance Ion 41.00 (40.70 to 41.70): VF0  
Ion 69.00 (68.70 to 69.70): VF0  
Ion 39.00 (38.70 to 39.70): VF0





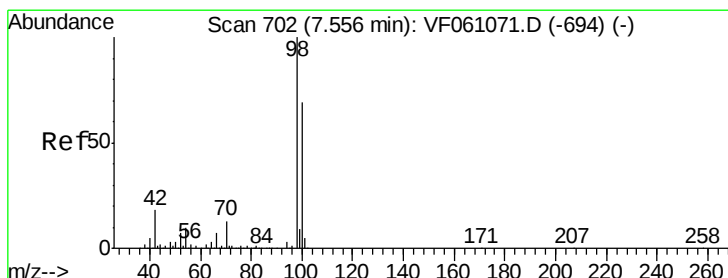
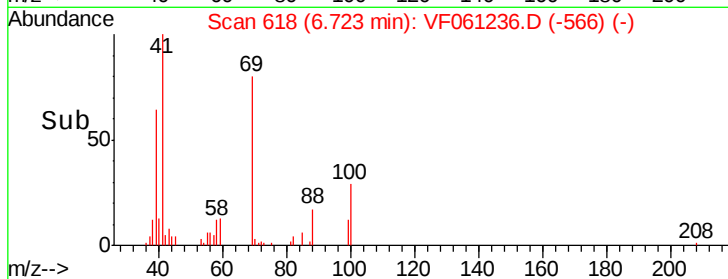
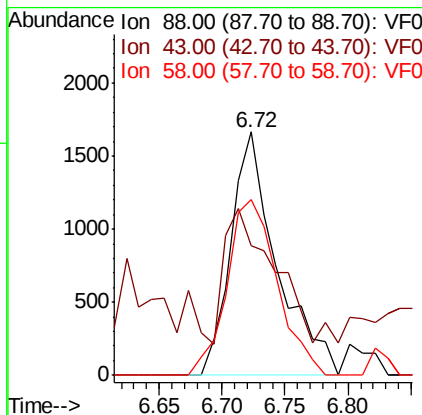
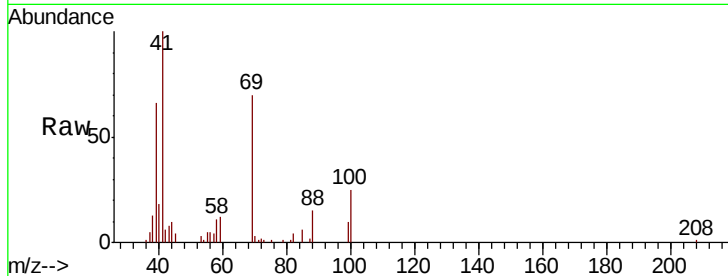
#49  
1,4-Dioxane  
Concen: 385.462 ug/l  
RT: 6.72 min Scan# 618  
Delta R.T. 0.02 min  
Lab File: VF061236.D  
Acq: 28 Dec 2018 15:20

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF1228SBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 53.3  | 33.3  | 49.9# |
| 58      | 72.4  | 53.2  | 79.8  |

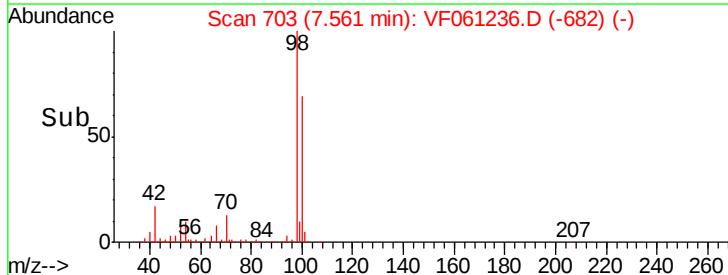
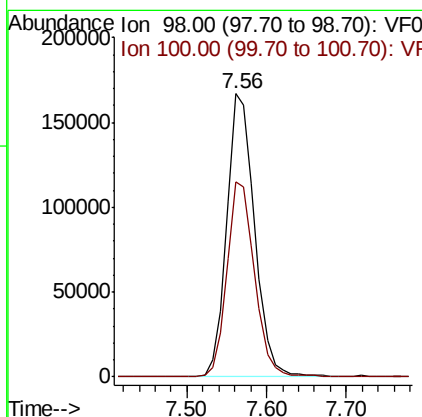
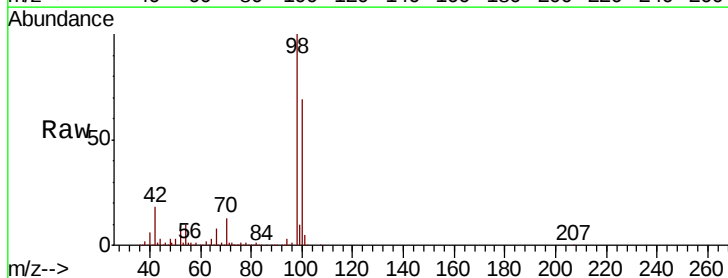
Manual Integrations  
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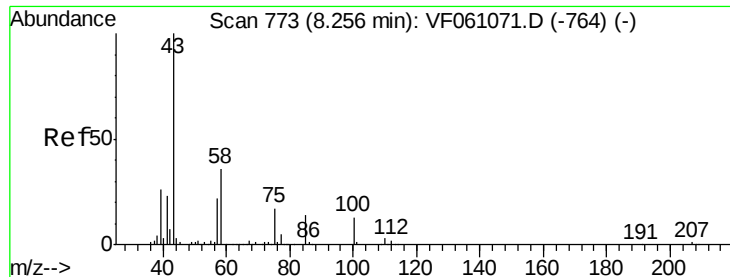
MMDadoda  
1/2/2019 11:52:32 AM



#50  
Toluene-d8  
Concen: 48.804 ug/l  
RT: 7.56 min Scan# 703  
Delta R.T. 0.01 min  
Lab File: VF061236.D  
Acq: 28 Dec 2018 15:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 69.1  | 55.3  | 82.9  |





#51

4-Methyl-2-Pentanone

Concen: 113.122 ug/l

RT: 8.27 min Scan# 775

Delta R.T. 0.02 min

Lab File: VF061236.D

Acq: 28 Dec 2018 15:20

Instrument :

MSVOA\_F

ClientSampleId :

VF1228SBS02

Tot Ion: 43 Resp: 167040

Ion Ratio Lower Upper

43 100

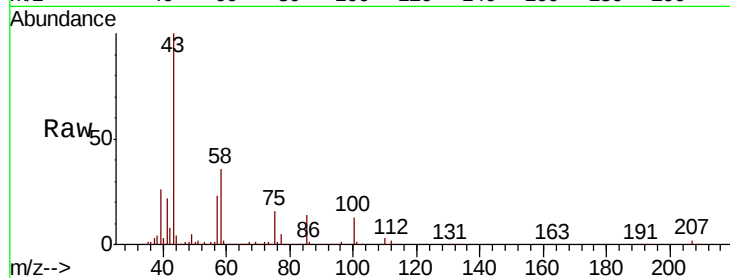
58 36.1 29.1 43.7

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.27

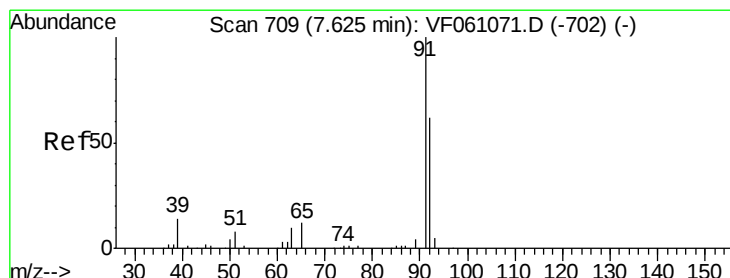
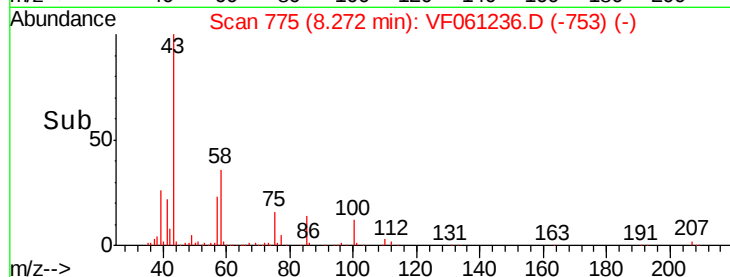
60000

40000

20000

0

Time--> 8.10 8.20 8.30 8.40



#52

Toluene

Concen: 21.725 ug/l

RT: 7.64 min Scan# 711

Delta R.T. 0.02 min

Lab File: VF061236.D

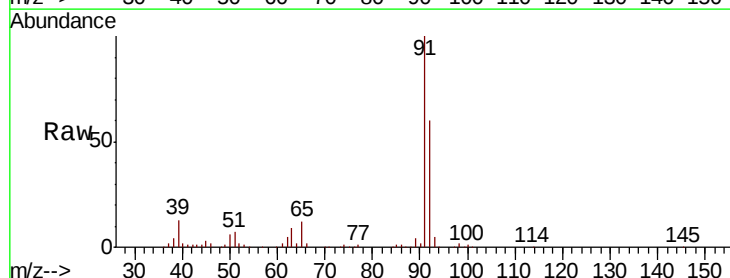
Acq: 28 Dec 2018 15:20

Tgt Ion: 92 Resp: 137906

Ion Ratio Lower Upper

92 100

91 167.1 128.8 193.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.64

100000

80000

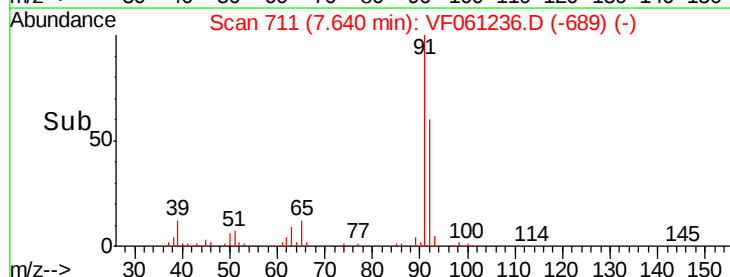
60000

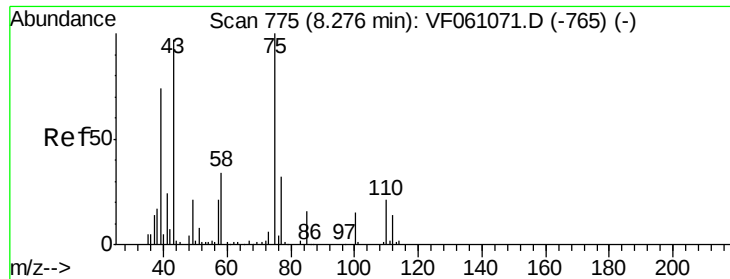
40000

20000

0

Time--> 7.50 7.60 7.70 7.80





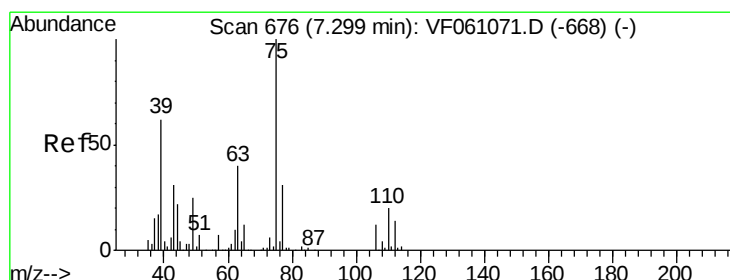
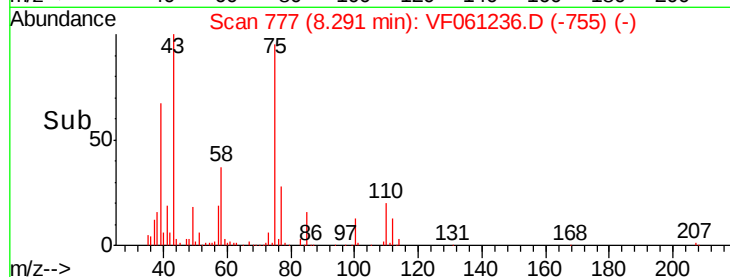
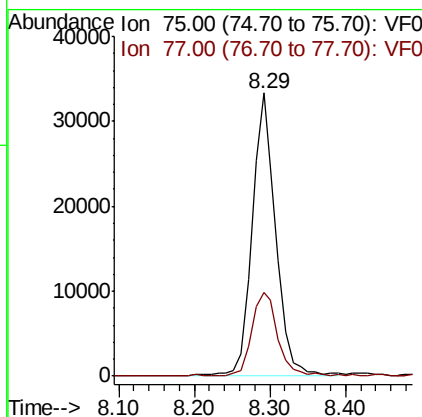
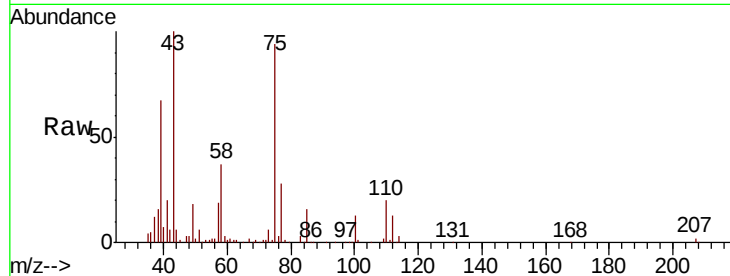
#53  
t-1,3-Dichloropropene  
Concen: 20.467 ug/l  
RT: 8.29 min Scan# 777  
Delta R.T. 0.02 min  
Lab File: VF061236.D  
Acq: 28 Dec 2018 15:20

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF1228SBS02

Tot Ion: 75 Resp: 72592  
Ion Ratio Lower Upper  
75 100  
77 29.6 25.8 38.8

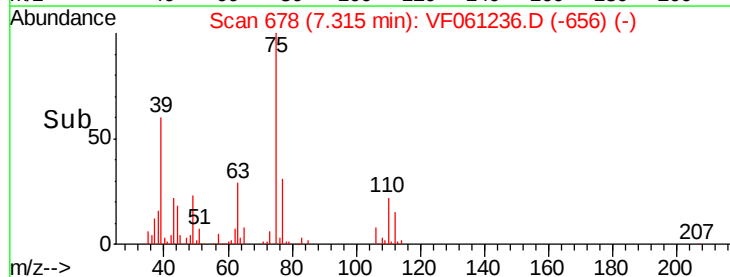
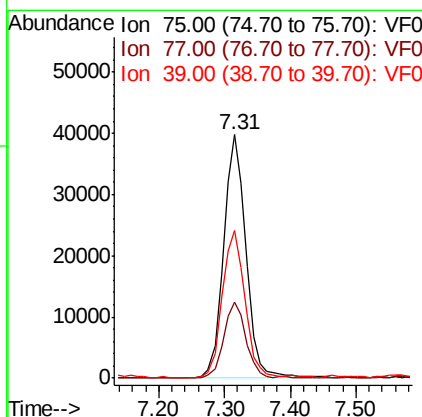
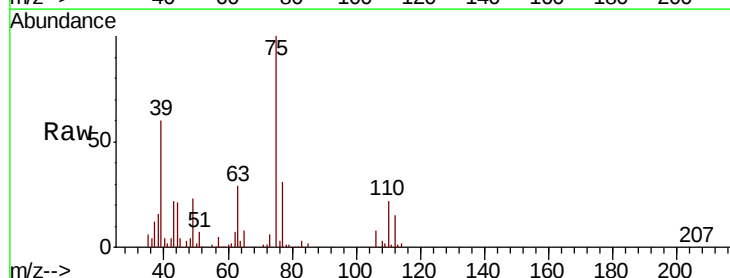
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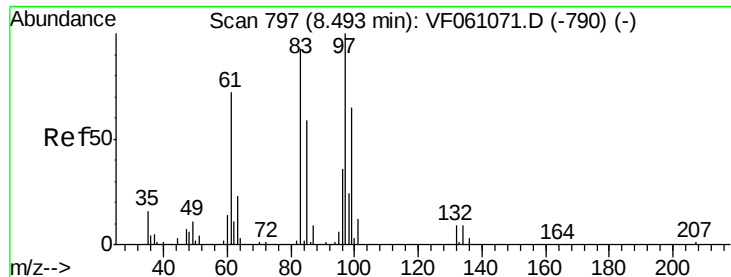
MMDadoda  
1/2/2019 11:52:32 AM



#54  
cis-1,3-Dichloropropene  
Concen: 21.265 ug/l  
RT: 7.31 min Scan# 678  
Delta R.T. 0.02 min  
Lab File: VF061236.D  
Acq: 28 Dec 2018 15:20

Tgt Ion: 75 Resp: 94660  
Ion Ratio Lower Upper  
75 100  
77 31.4 25.0 37.4  
39 60.4 50.1 75.1





#55

1,1,2-Trichloroethane

Concen: 21.730 ug/l

RT: 8.51 min Scan# 799

Delta R.T. 0.02 min

Lab File: VF061236.D

Acq: 28 Dec 2018 15:20

Instrument :

MSVOA\_F

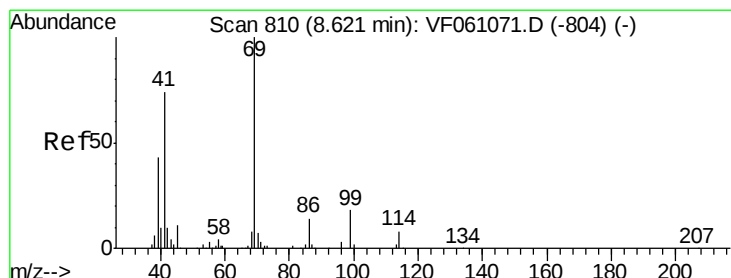
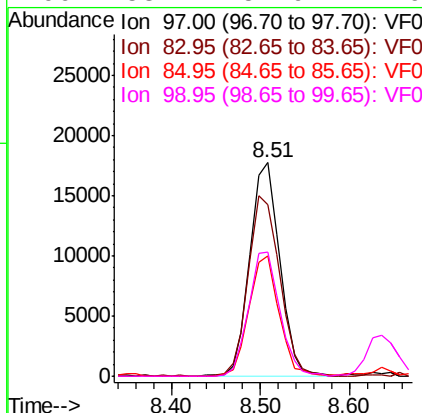
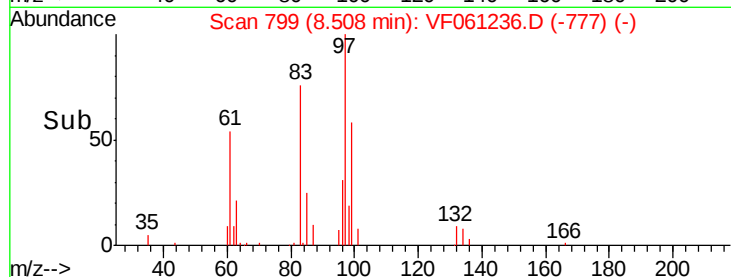
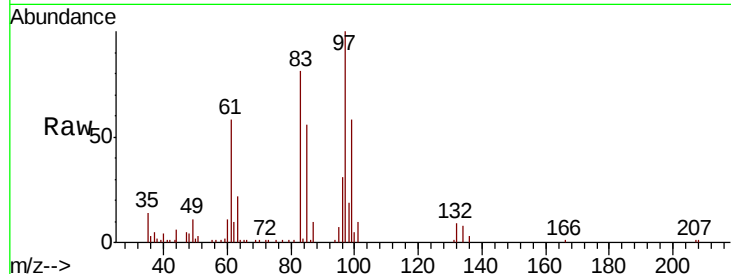
ClientSampleId :

VF1228SBS02

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 41350 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 80.6  | 75.0  | 112.4 |
| 85       | 56.5  | 47.5  | 71.3  |
| 99       | 58.2  | 51.9  | 77.9  |

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#56

Ethyl methacrylate

Concen: 23.437 ug/l

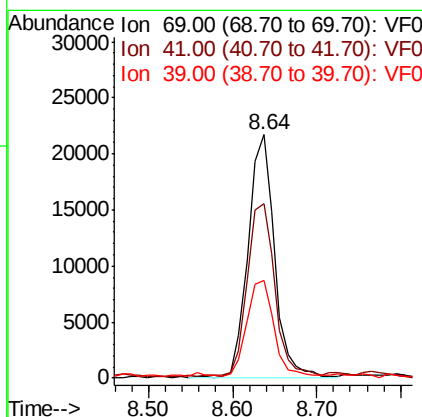
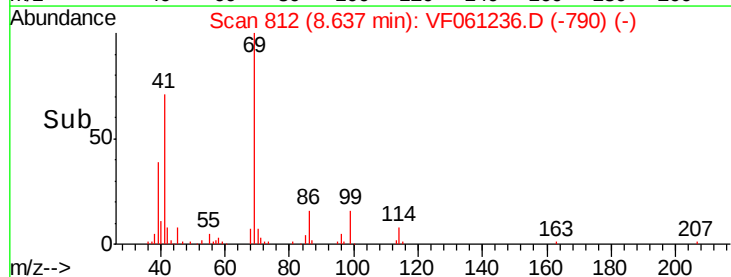
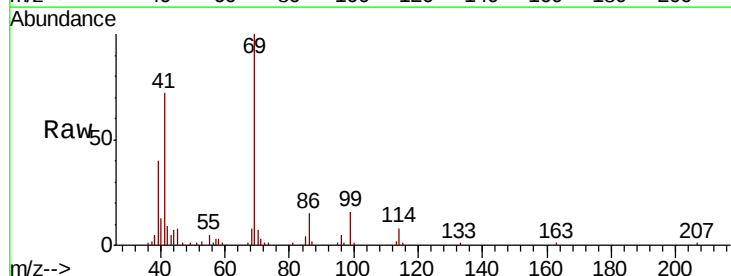
RT: 8.64 min Scan# 812

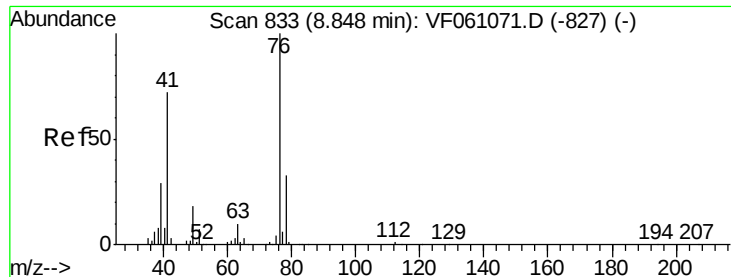
Delta R.T. 0.02 min

Lab File: VF061236.D

Acq: 28 Dec 2018 15:20

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 48260 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 71.5  | 59.7  | 89.5  |
| 39       | 40.3  | 35.0  | 52.6  |





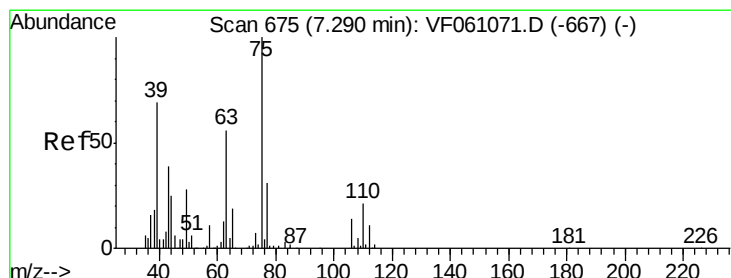
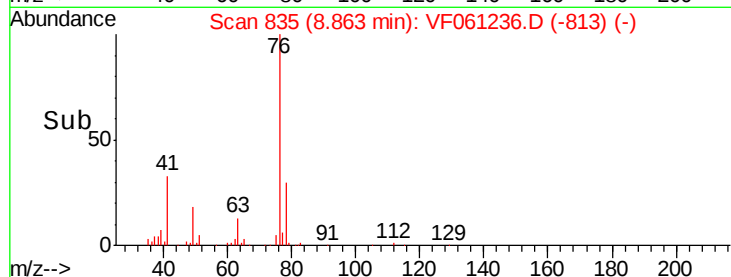
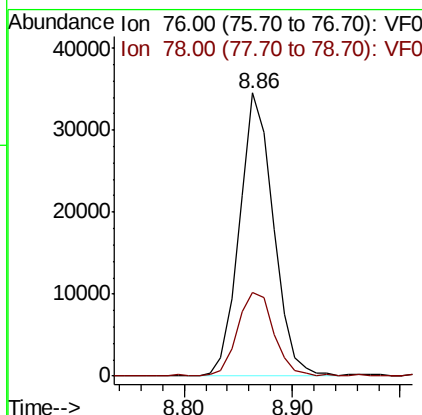
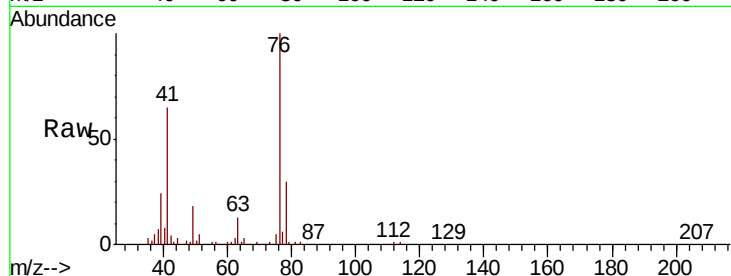
#57  
 1,3-Dichloropropane  
 Concen: 21.963 ug/l  
 RT: 8.86 min Scan# 835  
 Delta R.T. 0.02 min  
 Lab File: VF061236.D  
 Acq: 28 Dec 2018 15:20

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF1228SBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 29.6  | 26.5  | 39.7  |

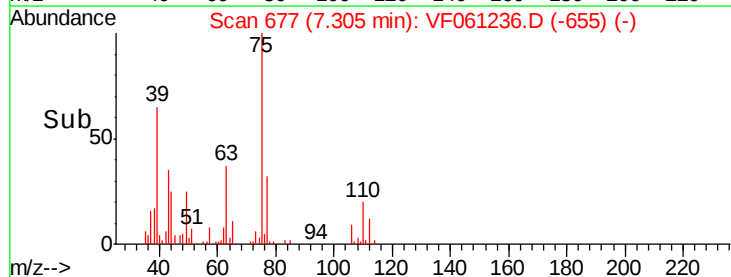
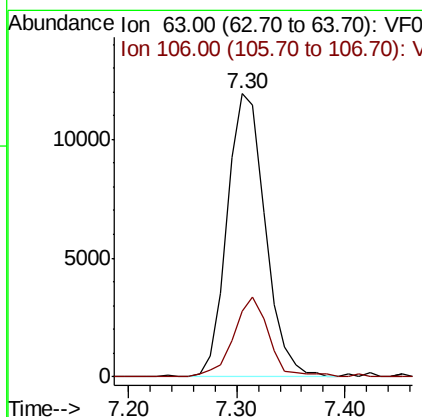
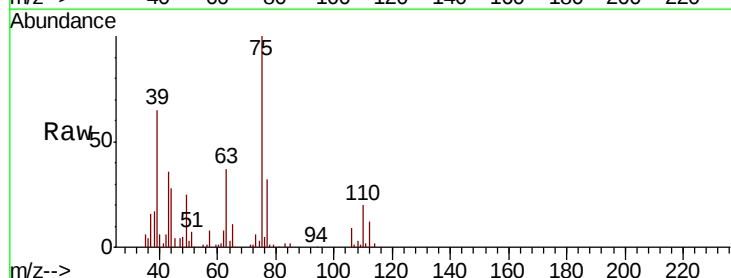
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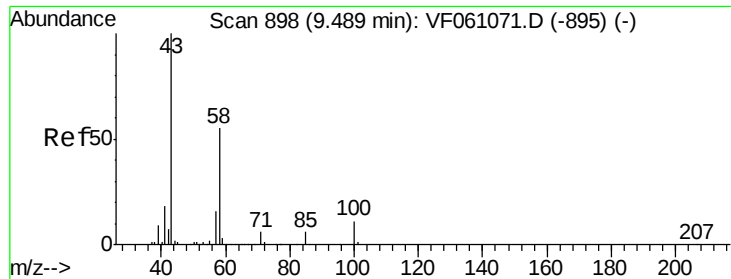
MMDadoda  
 1/2/2019 11:52:32 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 73.636 ug/l  
 RT: 7.30 min Scan# 677  
 Delta R.T. 0.02 min  
 Lab File: VF061236.D  
 Acq: 28 Dec 2018 15:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 23.1  | 19.8  | 29.8  |





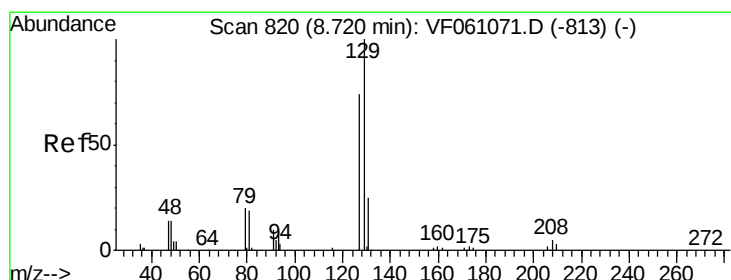
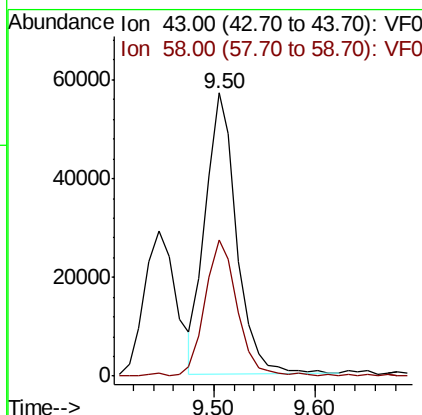
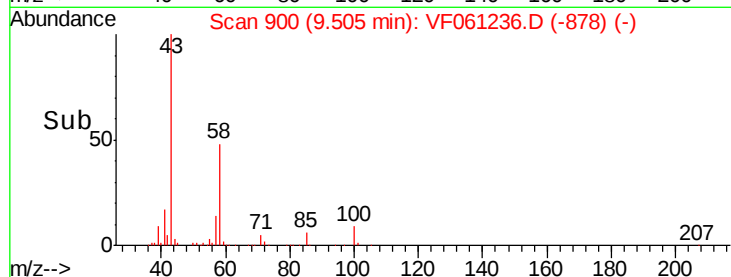
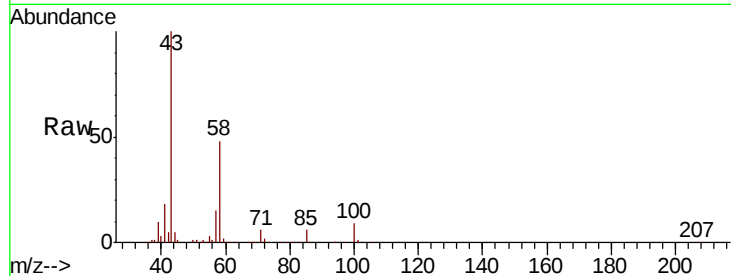
#59  
2-Hexanone  
Concen: 114.852 ug/l  
RT: 9.50 min Scan# 900  
Delta R.T. 0.02 min  
Lab File: VF061236.D  
Acq: 28 Dec 2018 15:20

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF1228SBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 48.1  | 25.1  | 75.2  |

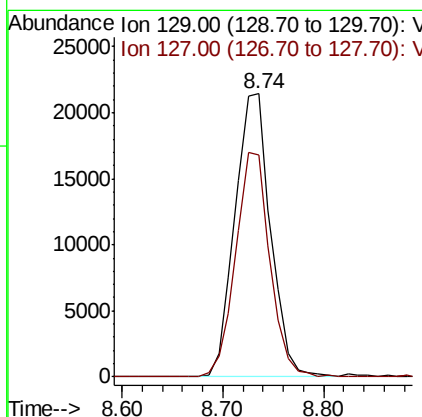
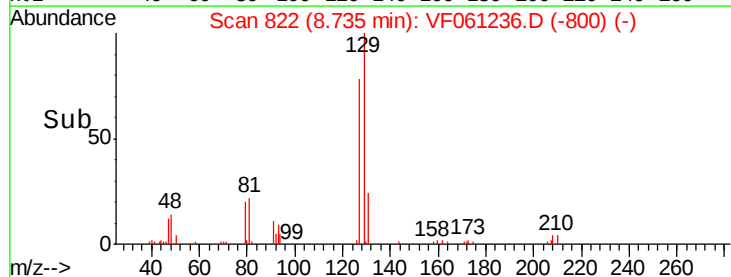
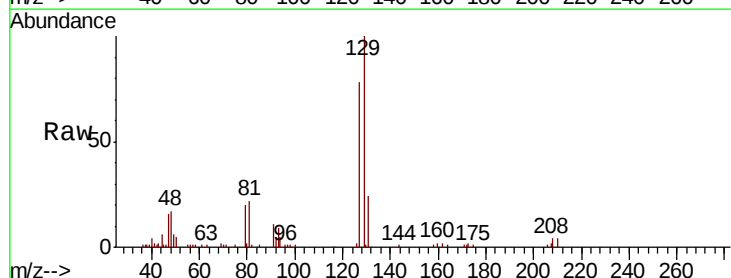
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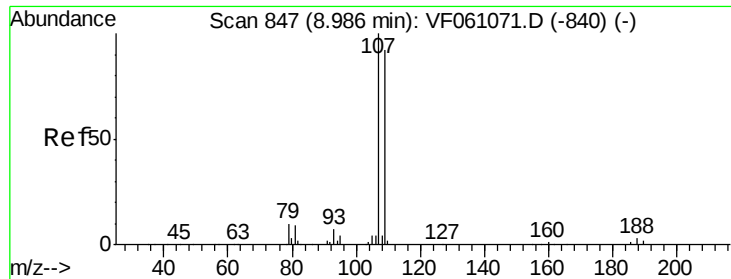
MMDadoda  
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#60  
Dibromochloromethane  
Concen: 19.386 ug/l  
RT: 8.74 min Scan# 822  
Delta R.T. 0.02 min  
Lab File: VF061236.D  
Acq: 28 Dec 2018 15:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 129     | 100   |       |       |
| 127     | 78.5  | 36.8  | 110.3 |





#61

1,2-Dibromoethane

Concen: 21.173 ug/l

RT: 9.00 min Scan# 849

Delta R.T. 0.02 min

Lab File: VF061236.D

Acq: 28 Dec 2018 15:20

Instrument :

MSVOA\_F

ClientSampleId :

VF1228SBS02

Tot Ion: 107 Resp: 43030

Ion Ratio Lower Upper

107 100

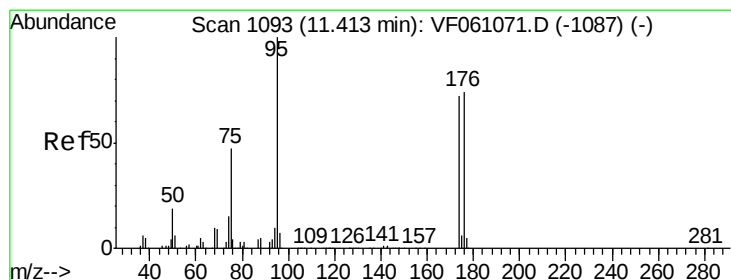
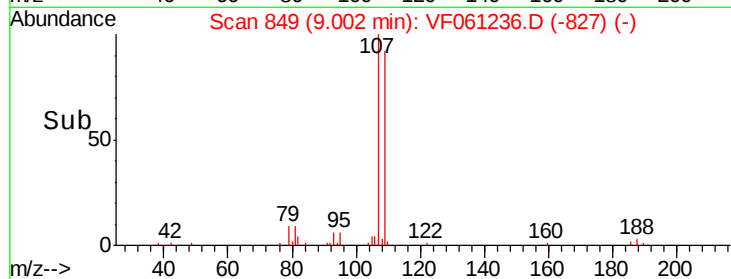
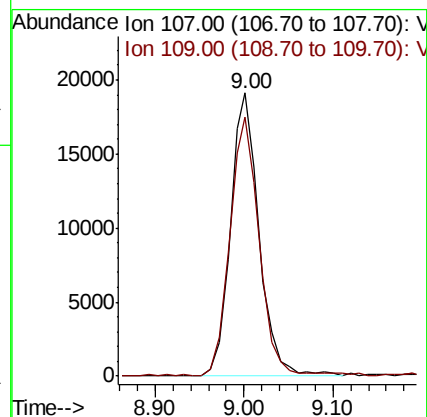
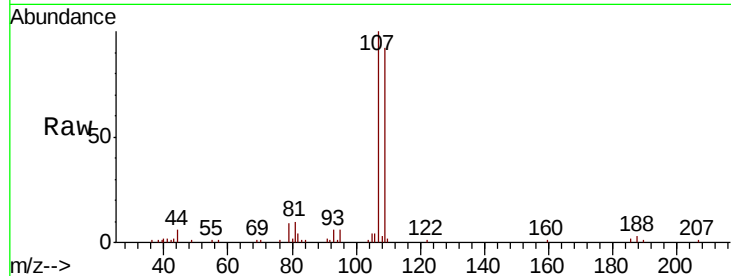
109 91.7 73.7 110.5

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#62

4-Bromofluorobenzene

Concen: 48.149 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VF061236.D

Acq: 28 Dec 2018 15:20

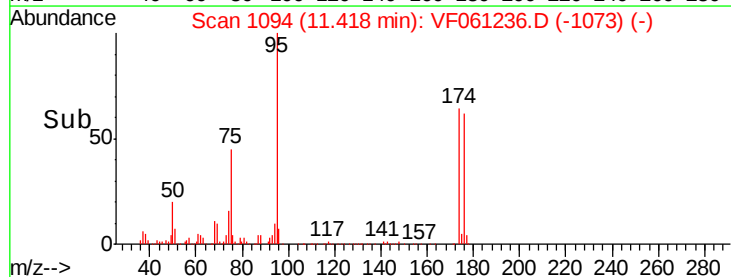
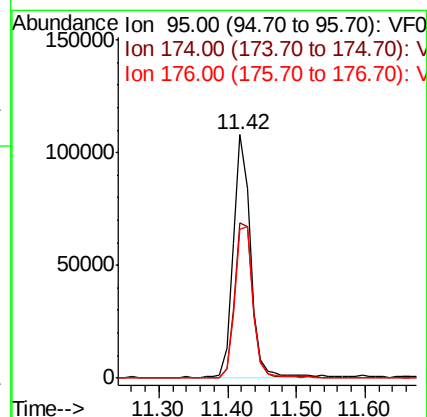
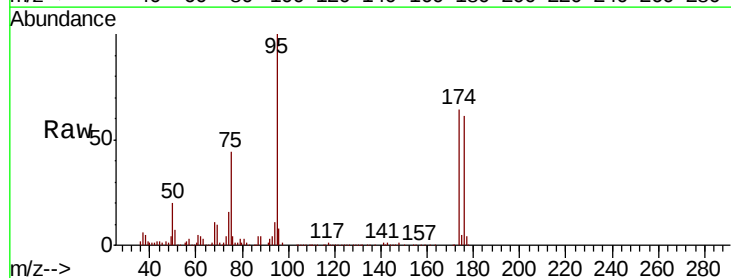
Tgt Ion: 95 Resp: 186150

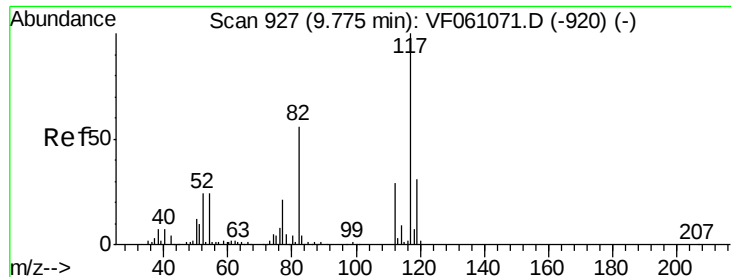
Ion Ratio Lower Upper

95 100

174 63.8 0.0 143.8

176 61.4 0.0 147.6





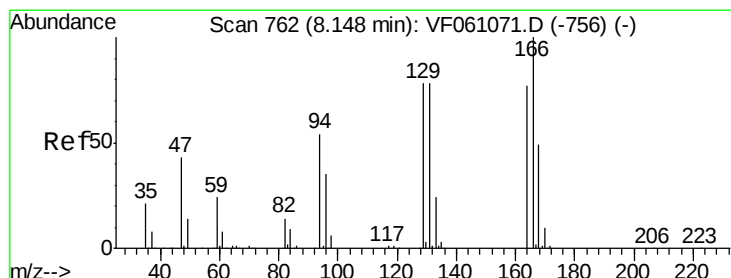
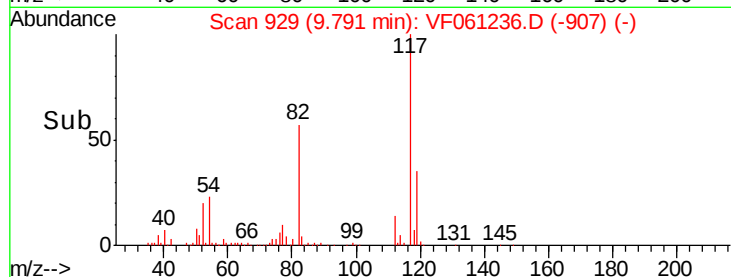
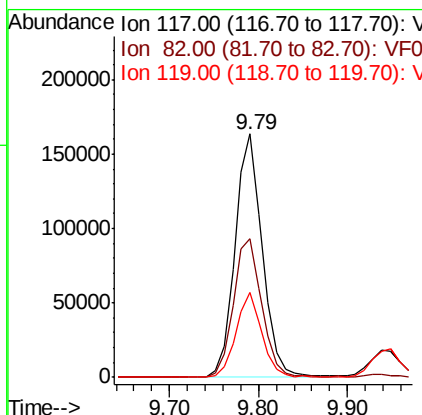
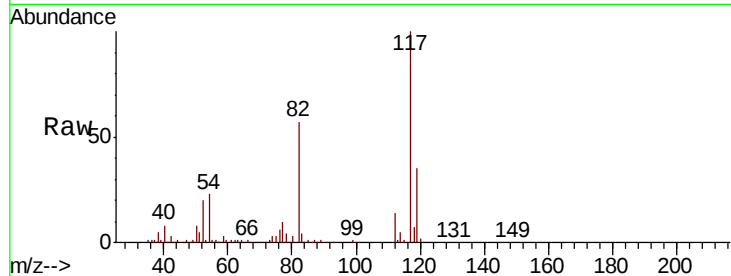
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.79 min Scan# 929  
Delta R.T. 0.02 min  
Lab File: VF061236.D  
Acq: 28 Dec 2018 15:20

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF1228SBS02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 349193 |       |       |
| 82      | 56.8  | 45.0   | 67.4  |       |
| 119     | 34.6  | 24.8   | 37.2  |       |

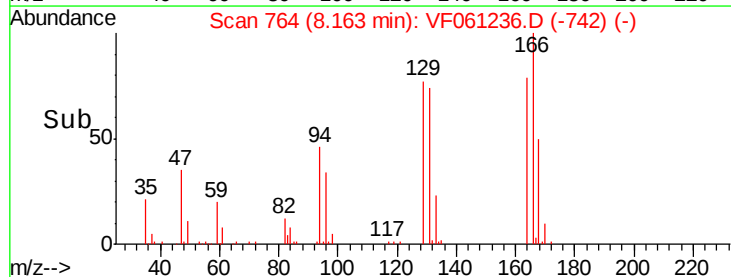
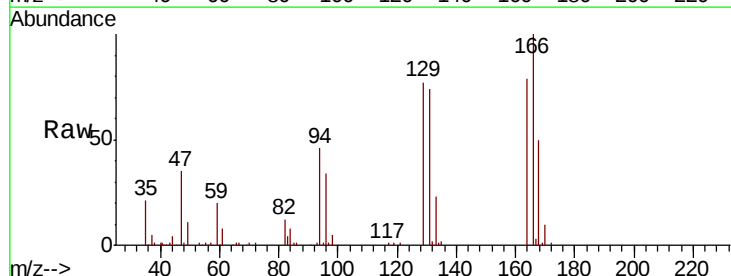
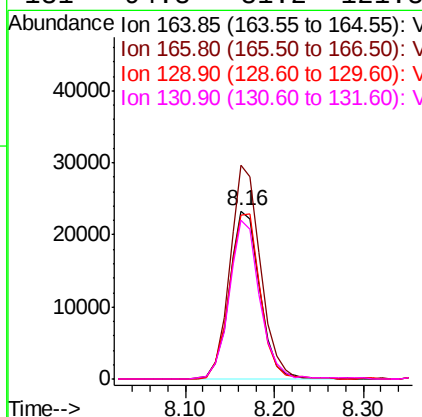
Manual Integrations  
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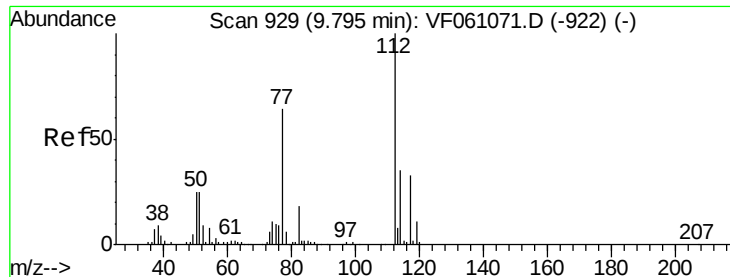
MMDadoda  
1/2/2019 11:52:32 AM



#64  
Tetrachloroethene  
Concen: 20.840 ug/l  
RT: 8.16 min Scan# 764  
Delta R.T. 0.02 min  
Lab File: VF061236.D  
Acq: 28 Dec 2018 15:20

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 55979 |       |       |
| 166     | 127.3 | 104.0 | 156.0 |       |
| 129     | 97.7  | 81.1  | 121.7 |       |
| 131     | 94.8  | 81.2  | 121.8 |       |





#65

Chlorobenzene

Concen: 21.389 ug/l

RT: 9.81 min Scan# 931

Delta R.T. 0.02 min

Lab File: VF061236.D

Acq: 28 Dec 2018 15:20

Instrument :

MSVOA\_F

ClientSampleId :

VF1228SBS02

Tot Ion:112 Resp: 154298

Ion Ratio Lower Upper

112 100

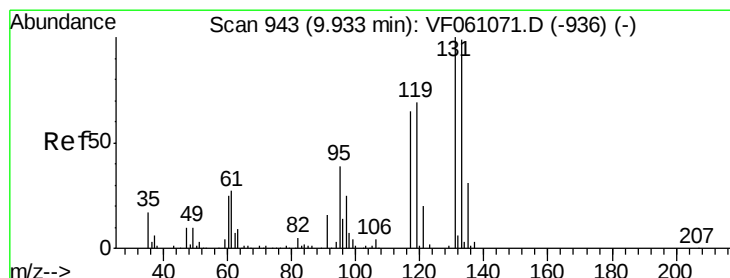
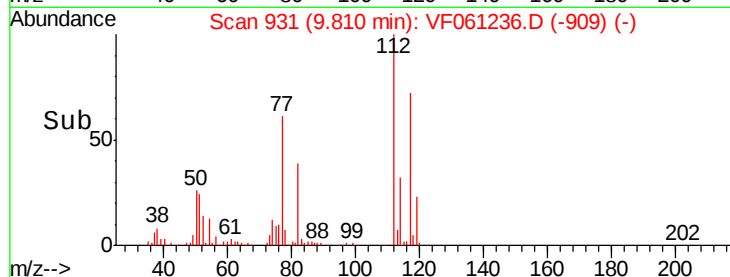
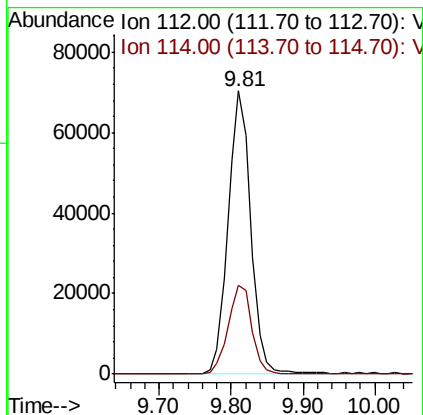
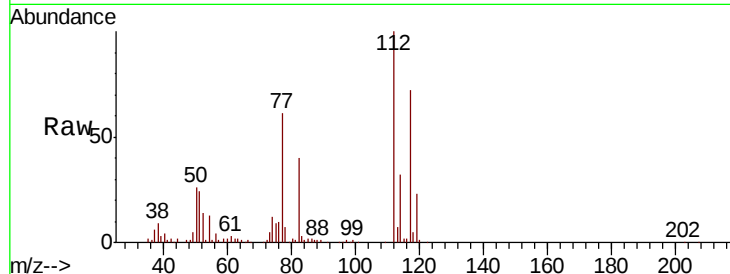
114 31.6 27.8 41.6

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#66

1,1,1,2-Tetrachloroethane

Concen: 20.872 ug/l

RT: 9.95 min Scan# 945

Delta R.T. 0.02 min

Lab File: VF061236.D

Acq: 28 Dec 2018 15:20

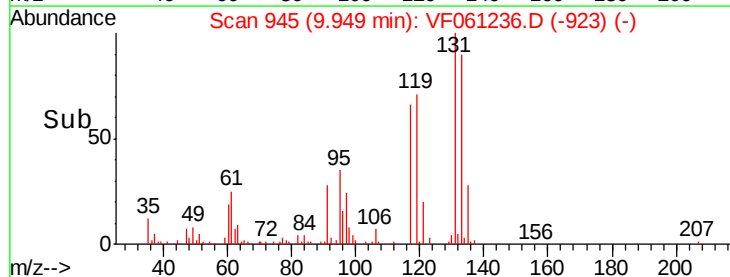
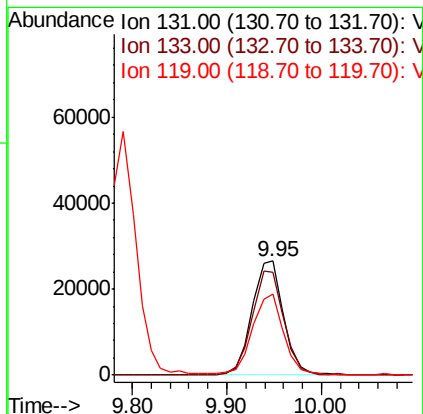
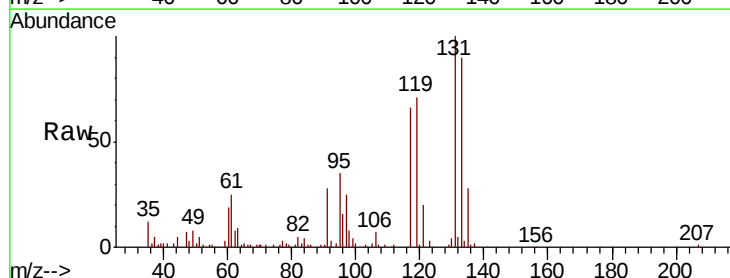
Tgt Ion:131 Resp: 61530

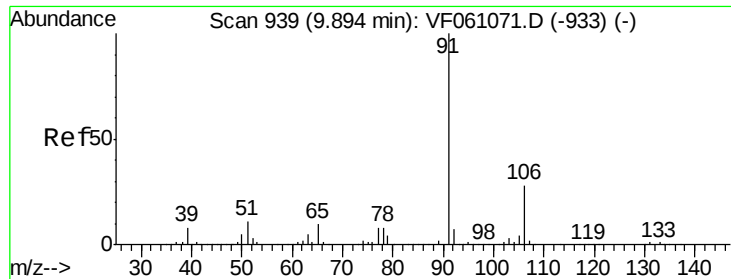
Ion Ratio Lower Upper

131 100

133 90.4 49.5 148.7

119 71.0 34.5 103.5





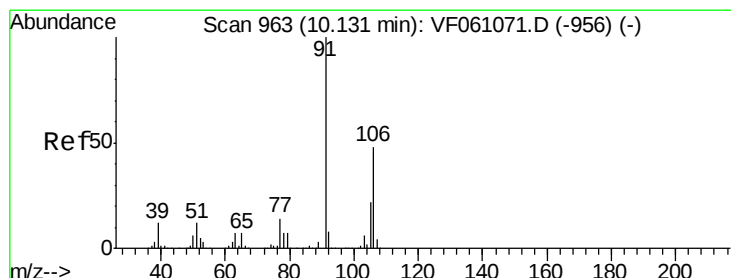
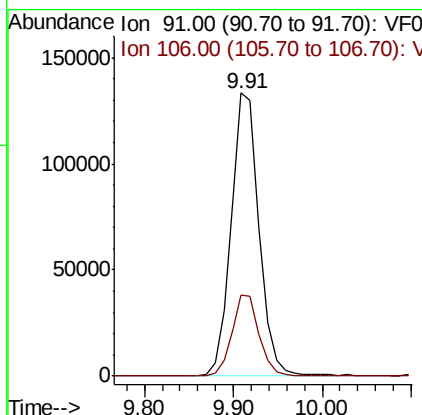
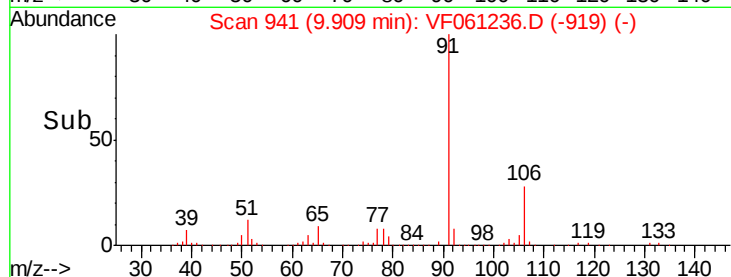
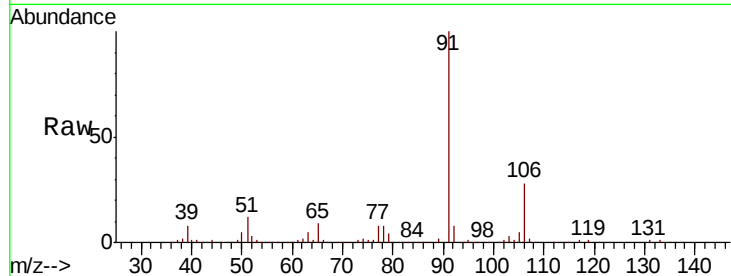
#67  
Ethyl Benzene  
Concen: 22.366 ug/l  
RT: 9.91 min Scan# 941  
Delta R.T. 0.02 min  
Lab File: VF061236.D  
Acq: 28 Dec 2018 15:20

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF1228SBS02

Tot Ion: 91 Resp: 293945  
Ion Ratio Lower Upper  
91 100  
106 28.5 22.5 33.7

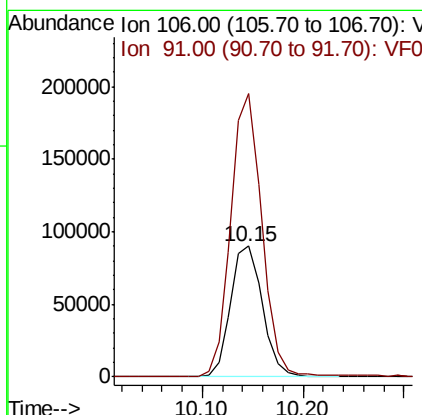
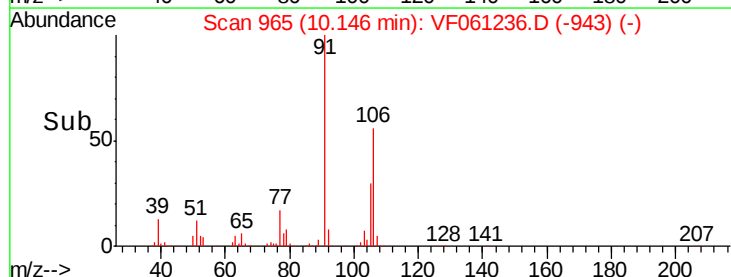
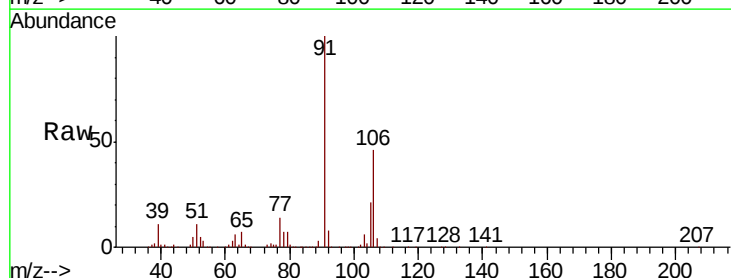
Manual Integrations  
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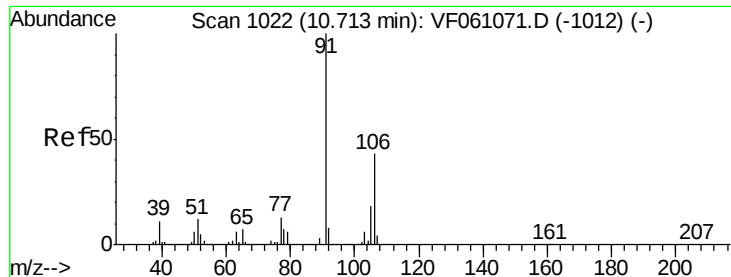
MMDadoda  
1/2/2019 11:52:32 AM



#68  
m/p-Xylenes  
Concen: 42.922 ug/l  
RT: 10.15 min Scan# 965  
Delta R.T. 0.02 min  
Lab File: VF061236.D  
Acq: 28 Dec 2018 15:20

Tgt Ion: 106 Resp: 198518  
Ion Ratio Lower Upper  
106 100  
91 216.1 168.2 252.2





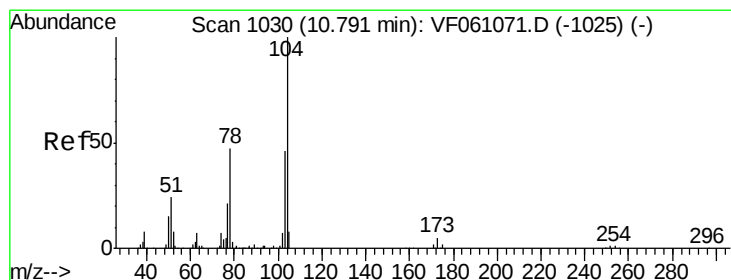
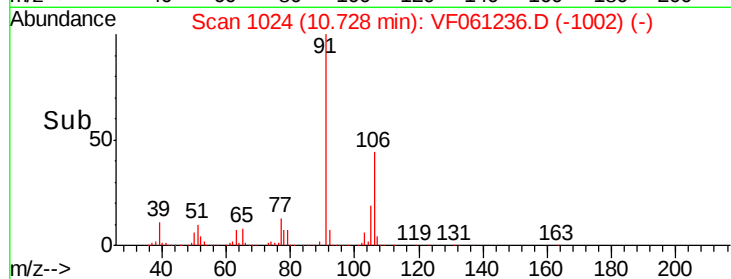
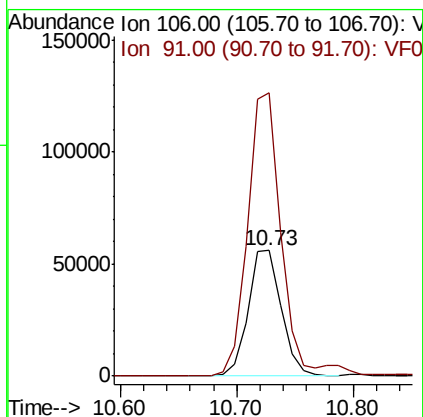
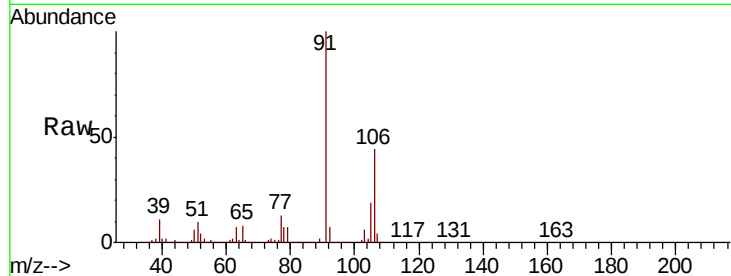
#69  
o-Xylene  
Concen: 21.580 ug/l  
RT: 10.73 min Scan# 1024  
Delta R.T. 0.02 min  
Lab File: VF061236.D  
Acq: 28 Dec 2018 15:20

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF1228SBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 225.7 | 115.9 | 347.7 |

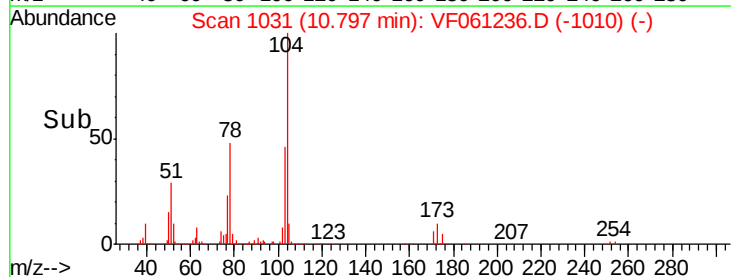
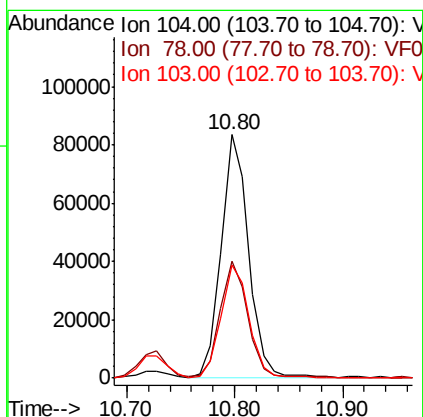
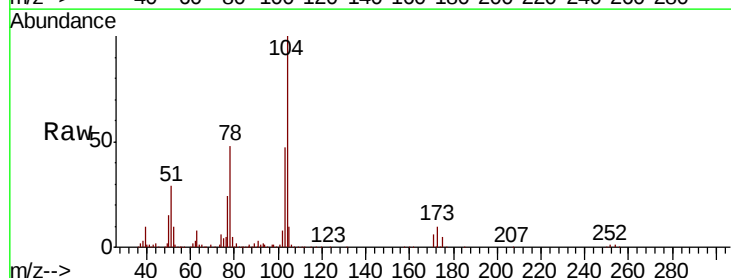
Manual Integrations  
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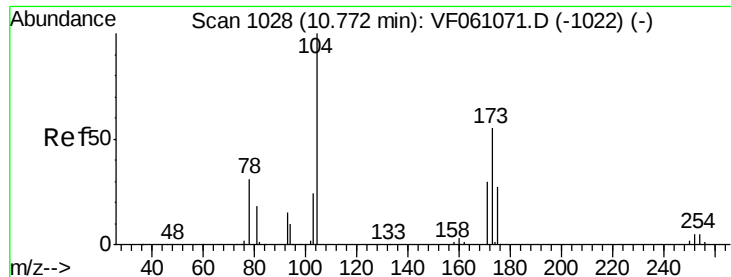
MMDadoda  
1/2/2019 11:52:32 AM



#70  
Styrene  
Concen: 20.709 ug/l  
RT: 10.80 min Scan# 1031  
Delta R.T. 0.01 min  
Lab File: VF061236.D  
Acq: 28 Dec 2018 15:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 47.9  | 38.4  | 57.6  |
| 103     | 46.5  | 37.0  | 55.6  |





#71

Bromoform

Concen: 20.481 ug/l

RT: 10.79 min Scan# 1030

Delta R.T. 0.02 min

Lab File: VF061236.D

Acq: 28 Dec 2018 15:20

Instrument :

MSVOA\_F

ClientSampleId :

VF1228SBS02

Tot Ion:173 Resp: 27934

Ion Ratio Lower Upper

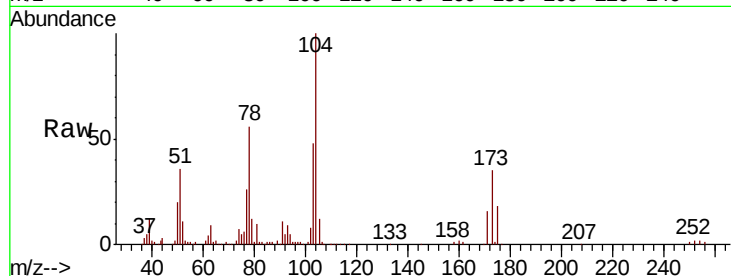
173 100

175 52.1 24.8 74.4

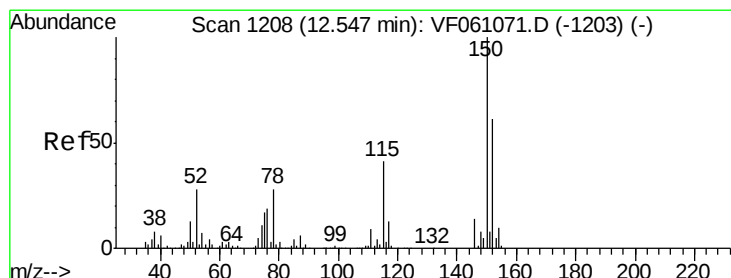
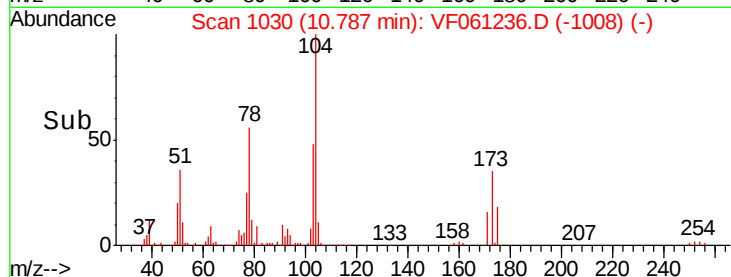
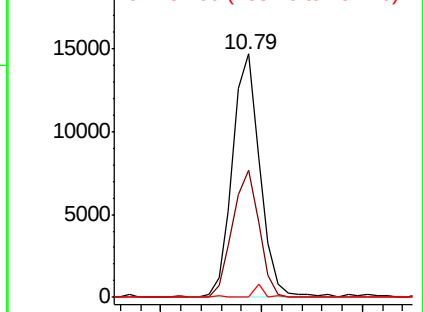
254 0.0 0.0 0.0

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Abundance Ion 173.00 (172.70 to 173.70): V  
Ion 175.00 (174.70 to 175.70): V  
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. 0.02 min

Lab File: VF061236.D

Acq: 28 Dec 2018 15:20

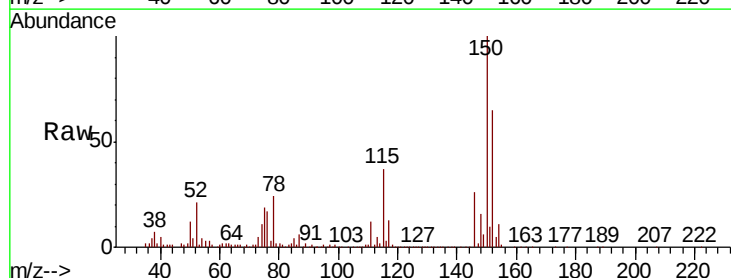
Tgt Ion:152 Resp: 163876

Ion Ratio Lower Upper

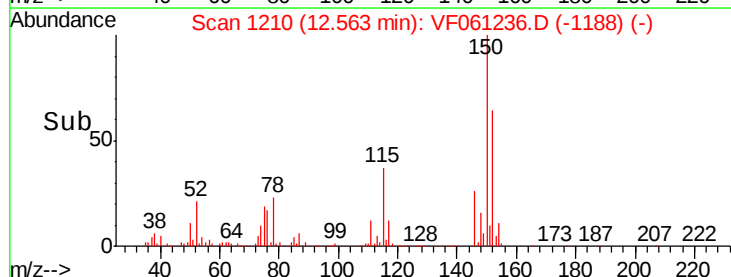
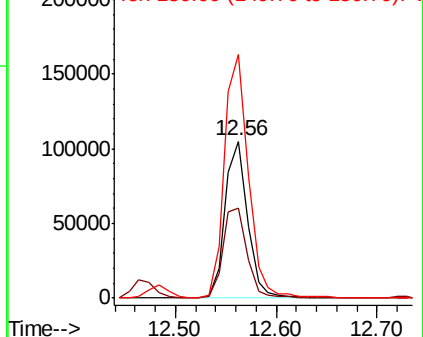
152 100

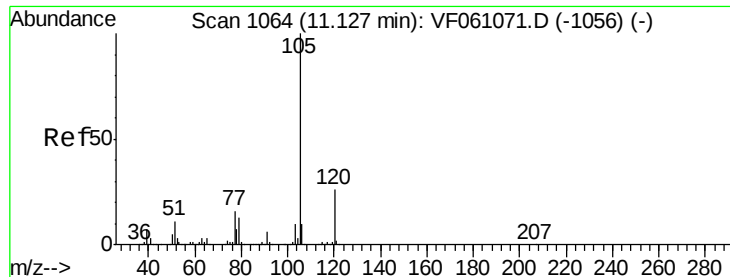
115 57.4 33.3 99.9

150 155.0 0.0 328.2



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





#73

Isopropylbenzene

Concen: 22.802 ug/l

RT: 11.13 min Scan# 1065

Delta R.T. 0.01 min

Lab File: VF061236.D

Acq: 28 Dec 2018 15:20

Instrument :

MSVOA\_F

ClientSampleId :

VF1228SBS02

Tot Ion: 105 Resp: 322005

Ion Ratio Lower Upper

105 100

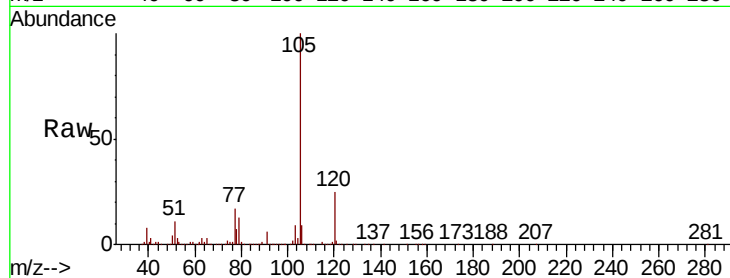
120 25.1 13.0 39.0

Manual Integrations

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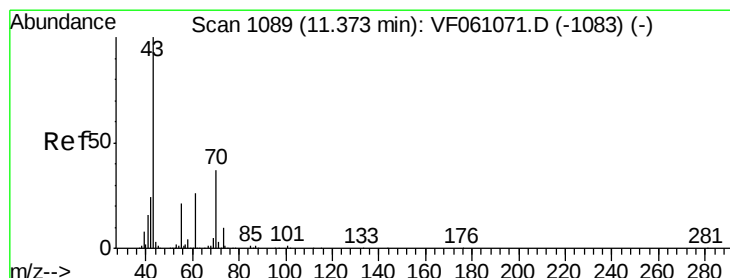
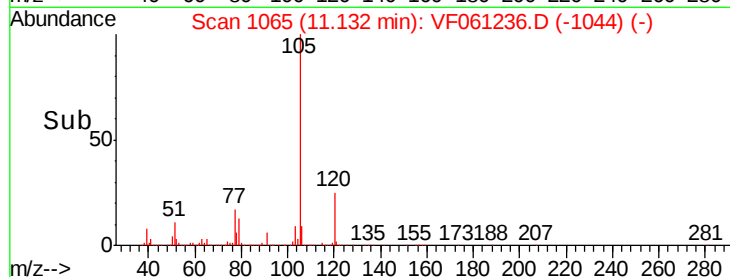
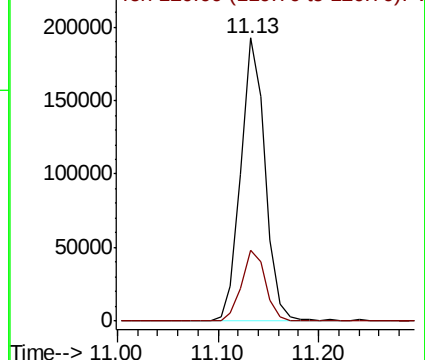
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 26.642 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. 0.01 min

Lab File: VF061236.D

Acq: 28 Dec 2018 15:20

Tgt Ion: 43 Resp: 83530

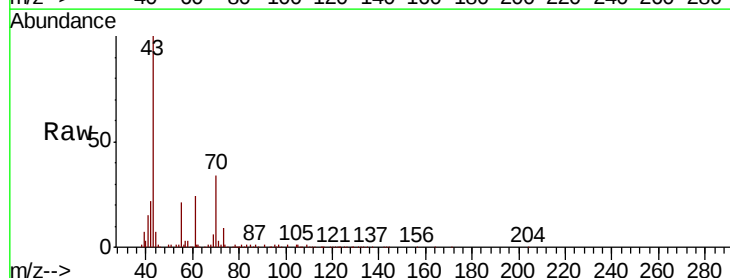
Ion Ratio Lower Upper

43 100

70 34.1 29.2 43.8

55 20.6 16.5 24.7

61 23.5 20.7 31.1

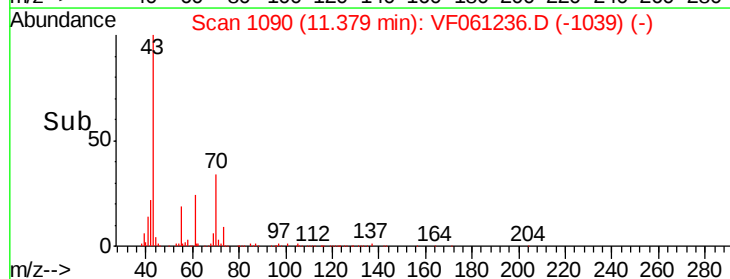
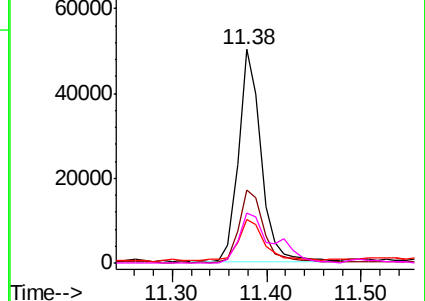


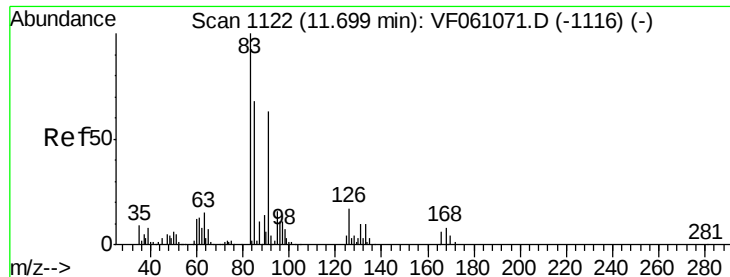
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.982 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VF061236.D

Acq: 28 Dec 2018 15:20

Instrument :

MSVOA\_F

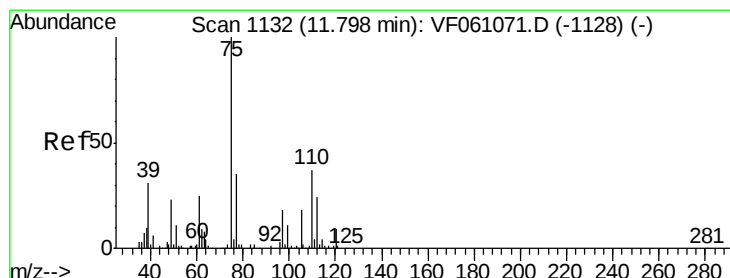
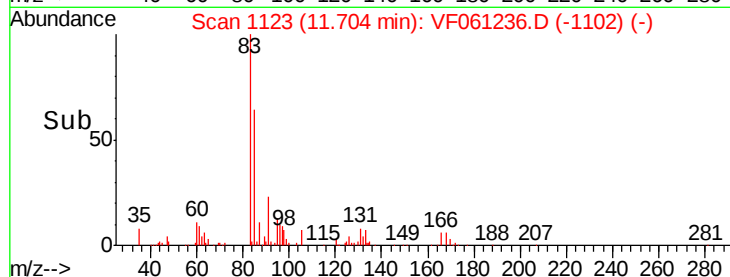
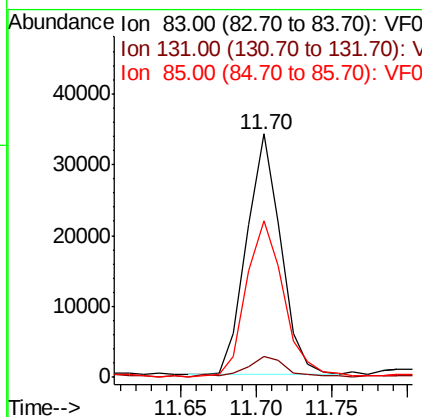
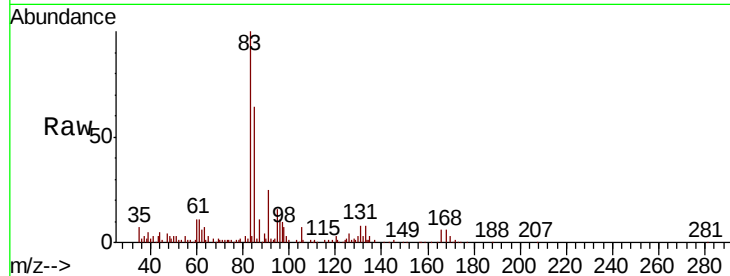
ClientSampleId :

VF1228SBS02

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 53866 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 8.4   | 4.8   | 14.3  |
| 85        | 64.4  | 33.9  | 101.6 |

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#76

1,2,3-Trichloropropane

Concen: 22.835 ug/l

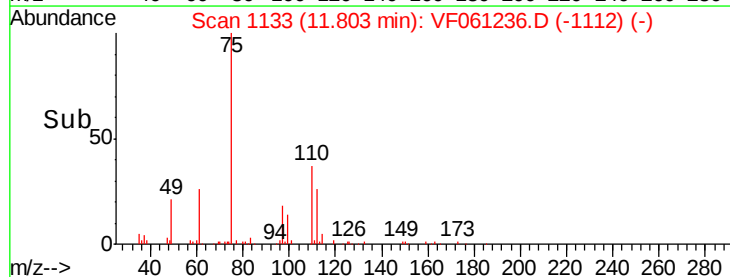
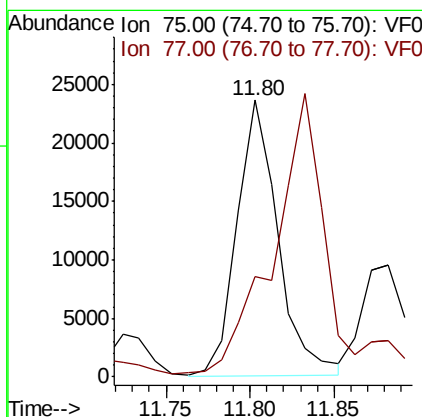
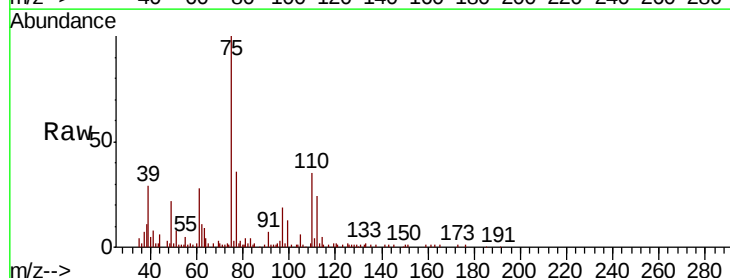
RT: 11.80 min Scan# 1133

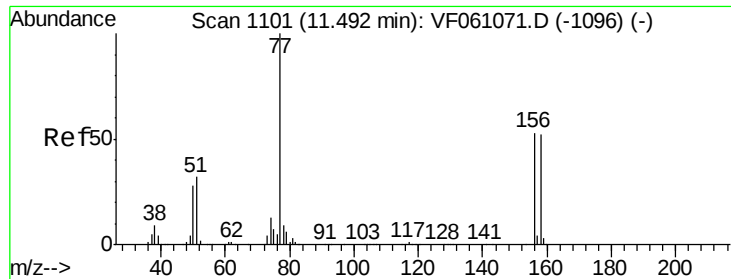
Delta R.T. 0.01 min

Lab File: VF061236.D

Acq: 28 Dec 2018 15:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 39830 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 36.3  | 17.6  | 52.9  |





#77

Bromobenzene

Concen: 21.019 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. 0.02 min

Lab File: VF061236.D

Acq: 28 Dec 2018 15:20

Instrument :

MSVOA\_F

ClientSampleId :

VF1228SBS02

Tot Ion: 156 Resp: 63898

Ion Ratio Lower Upper

156 100

77 166.9 93.8 281.4

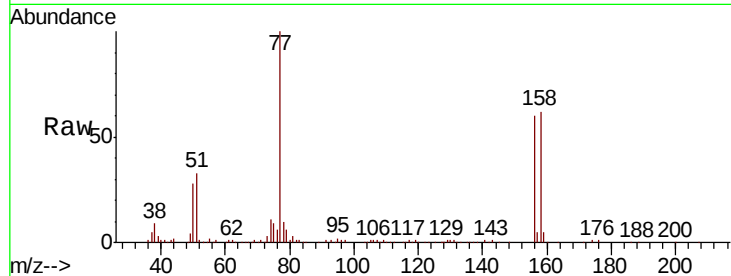
158 104.0 48.9 146.8

Manual Integrations

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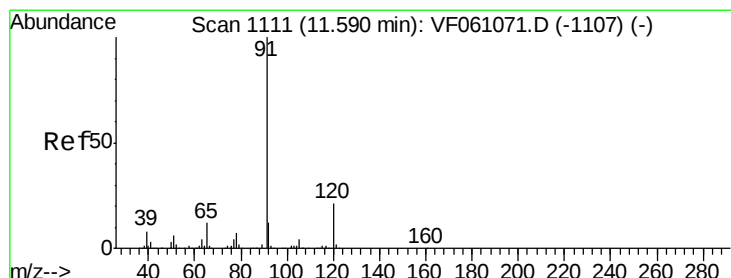
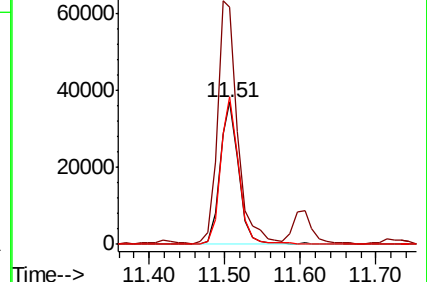
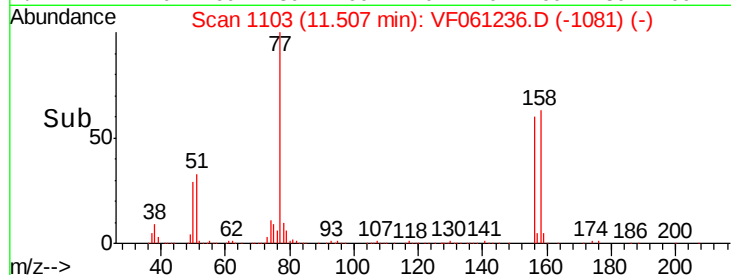
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 20.543 ug/l

RT: 11.61 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VF061236.D

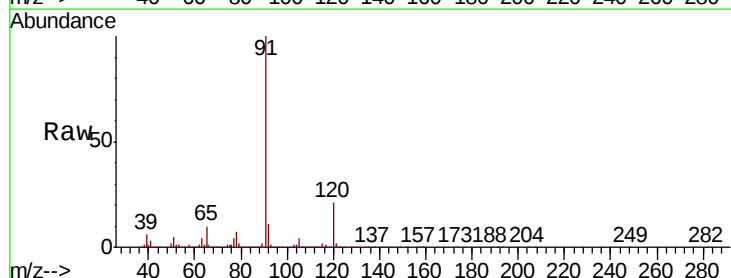
Acq: 28 Dec 2018 15:20

Tgt Ion: 91 Resp: 375917

Ion Ratio Lower Upper

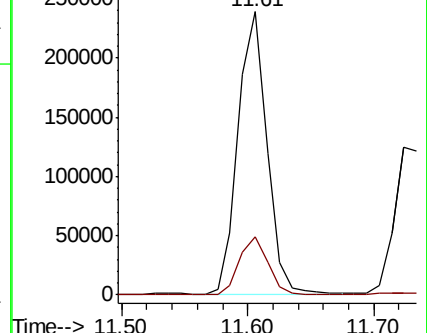
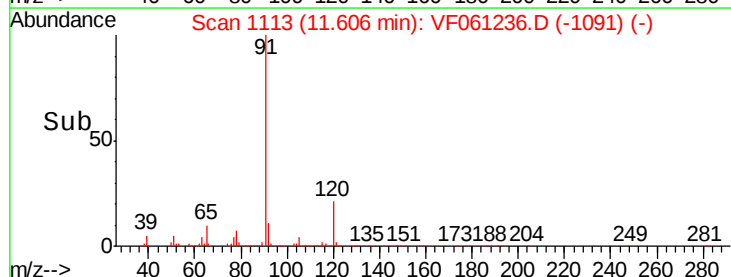
91 100

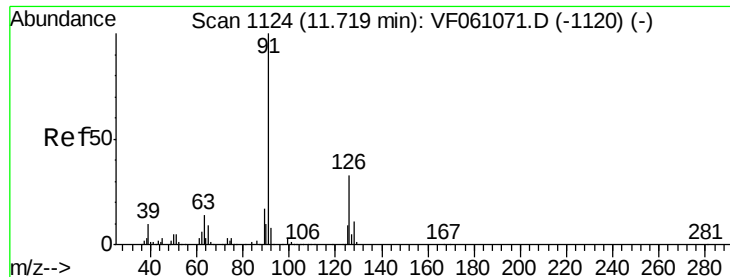
120 20.7 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





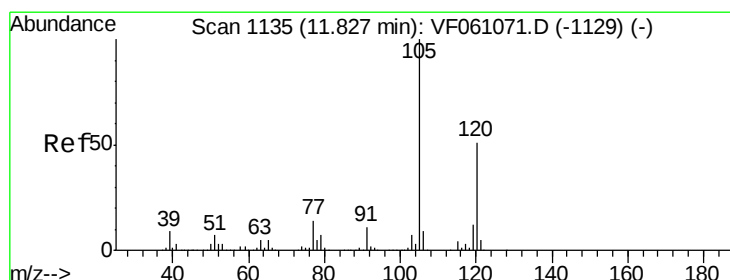
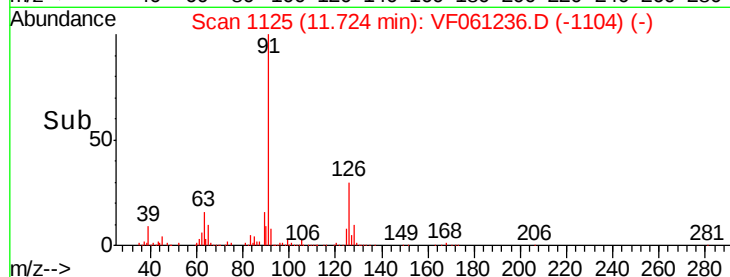
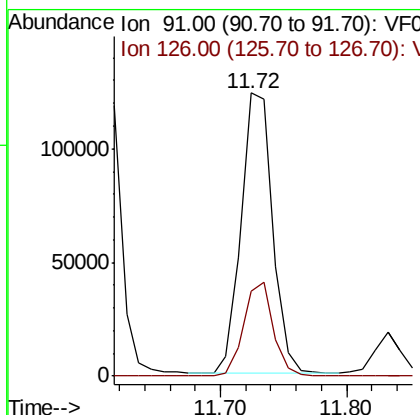
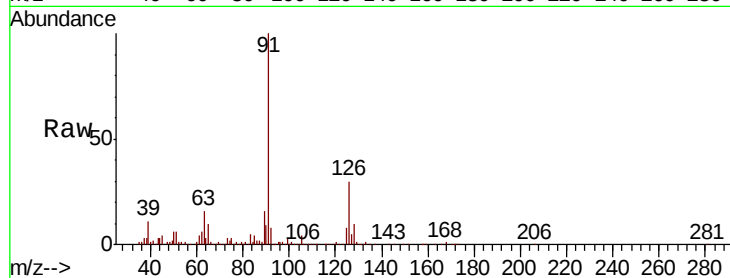
#79  
 2-Chlorotoluene  
 Concen: 22.106 ug/l  
 RT: 11.72 min Scan# 1125  
 Delta R.T. 0.01 min  
 Lab File: VF061236.D  
 Acq: 28 Dec 2018 15:20

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF1228SBS02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 91      | 100   | 214155 |       |       |
| 126     | 30.1  | 16.4   | 49.1  |       |

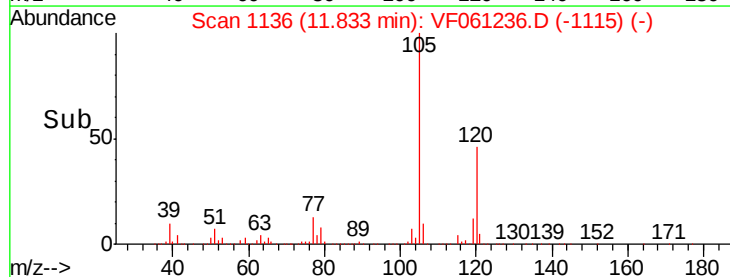
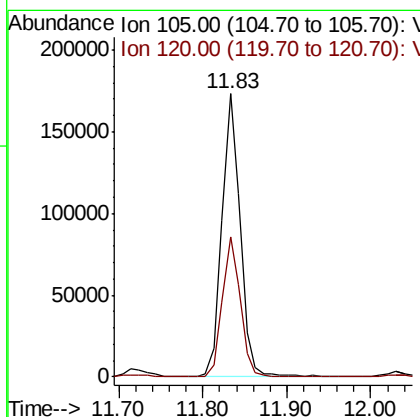
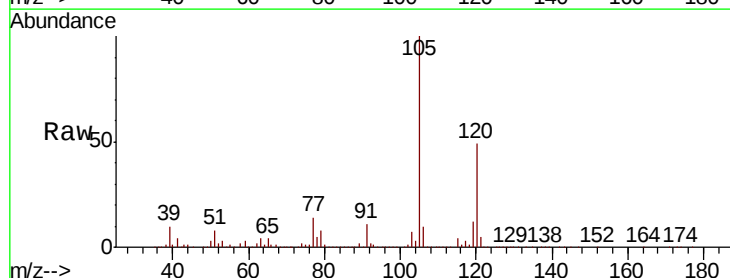
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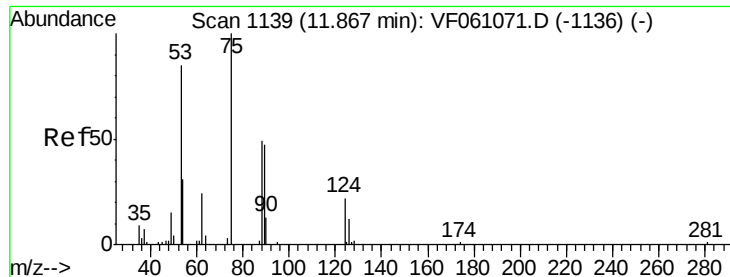
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 1/2/2019 11:52:32 AM



#80  
 1,3,5-Trimethylbenzene  
 Concen: 22.210 ug/l  
 RT: 11.83 min Scan# 1136  
 Delta R.T. 0.01 min  
 Lab File: VF061236.D  
 Acq: 28 Dec 2018 15:20

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 258264 |       |       |
| 120     | 49.4  | 25.4   | 76.4  |       |





#81

trans-1,4-Dichloro-2-butene

Concen: 21.436 ug/l m

RT: 11.88 min Scan# 1141

Delta R.T. 0.02 min

Lab File: VF061236.D

Acq: 28 Dec 2018 15:20

Instrument :

MSVOA\_F

ClientSampleId :

VF1228SBSD02

Tot Ion: 75 Resp: 16067

Ion Ratio Lower Upper

75 100

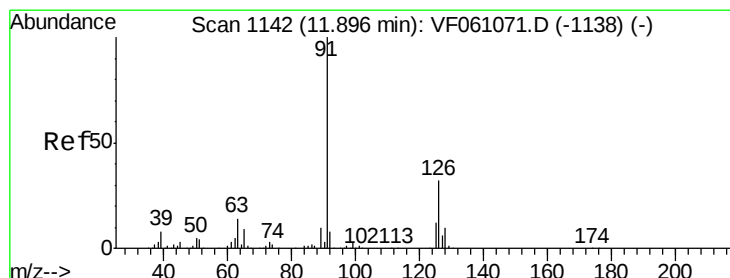
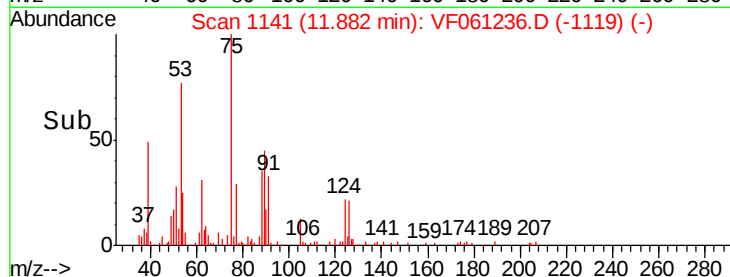
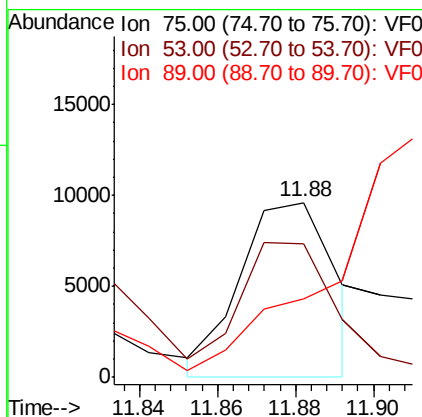
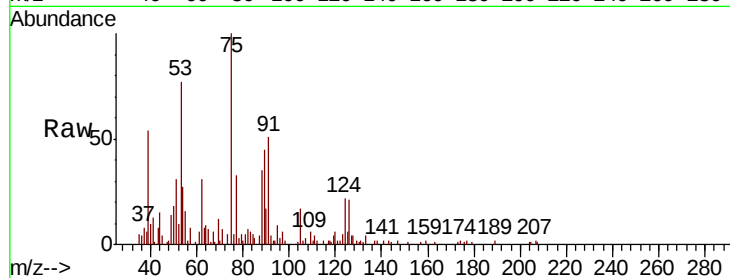
53 76.8 74.1 111.1

89 44.8 42.6 64.0

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#82

4-Chlorotoluene

Concen: 20.882 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. 0.02 min

Lab File: VF061236.D

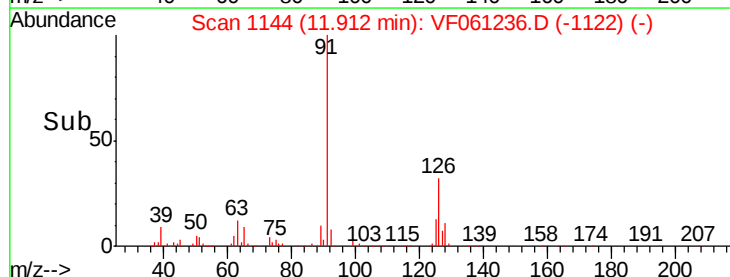
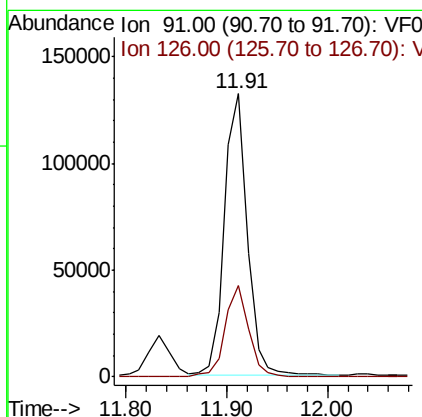
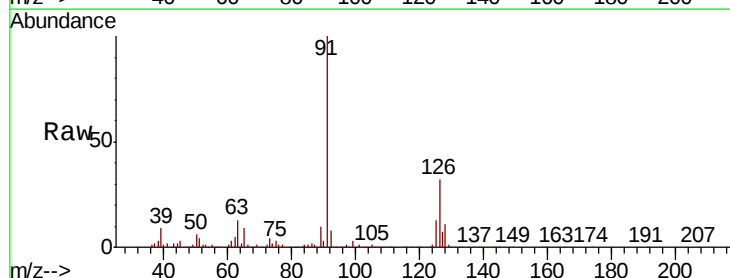
Acq: 28 Dec 2018 15:20

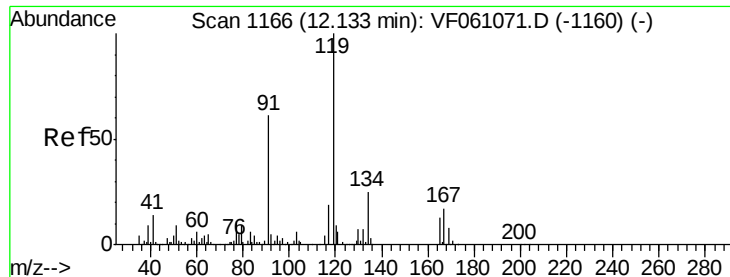
Tgt Ion: 91 Resp: 209276

Ion Ratio Lower Upper

91 100

126 32.2 16.0 47.9





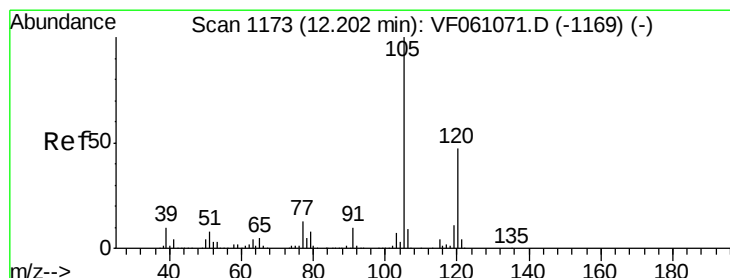
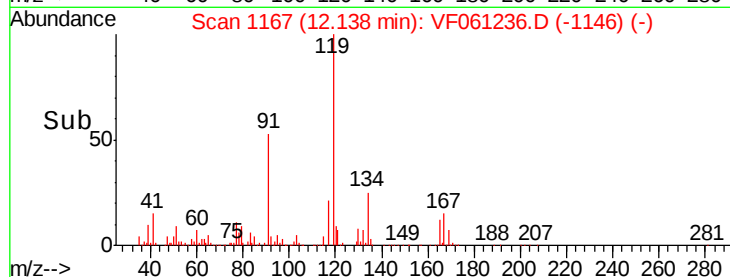
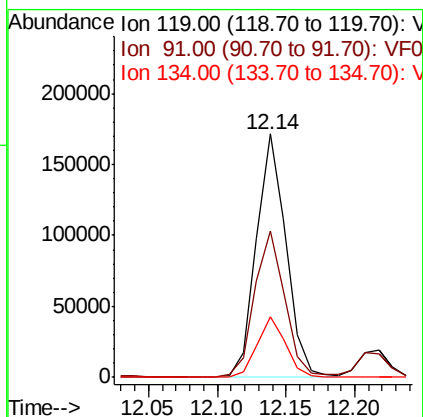
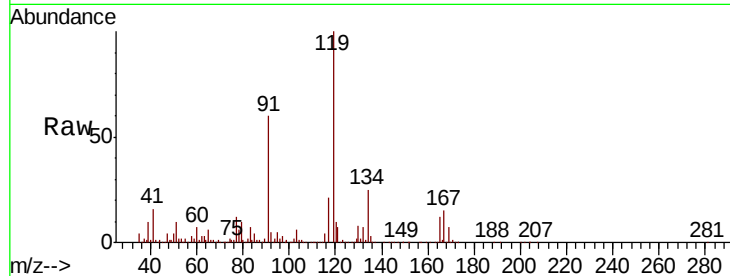
#83  
tert-Butylbenzene  
Concen: 21.686 ug/l  
RT: 12.14 min Scan# 1167  
Delta R.T. 0.01 min  
Lab File: VF061236.D  
Acq: 28 Dec 2018 15:20

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF1228SBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 60.2  | 30.5  | 91.5  |
| 134     | 24.8  | 12.4  | 37.4  |

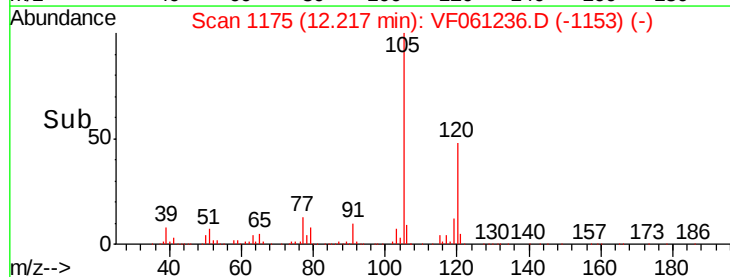
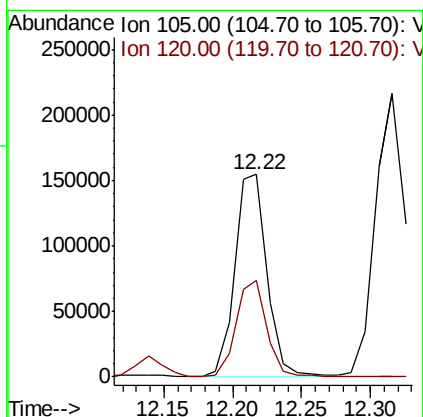
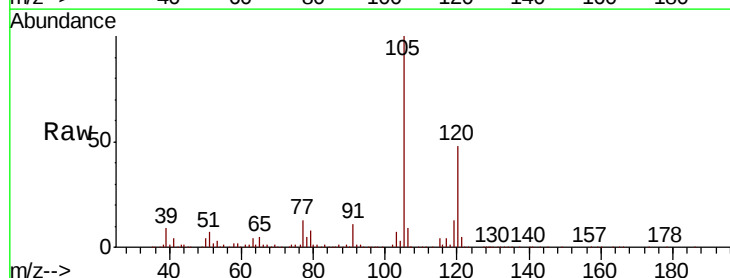
Manual Integrations  
APPROVED

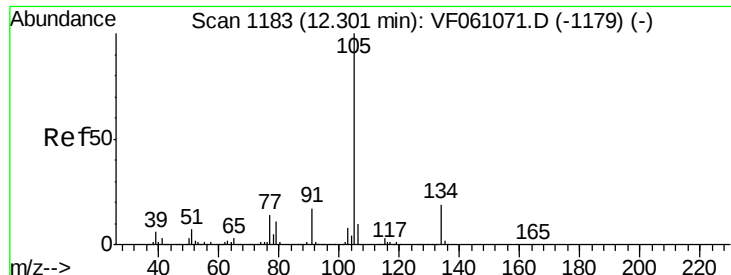
MMDadoda  
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#84  
1,2,4-Trimethylbenzene  
Concen: 21.462 ug/l  
RT: 12.22 min Scan# 1175  
Delta R.T. 0.02 min  
Lab File: VF061236.D  
Acq: 28 Dec 2018 15:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 47.9  | 23.6  | 71.0  |





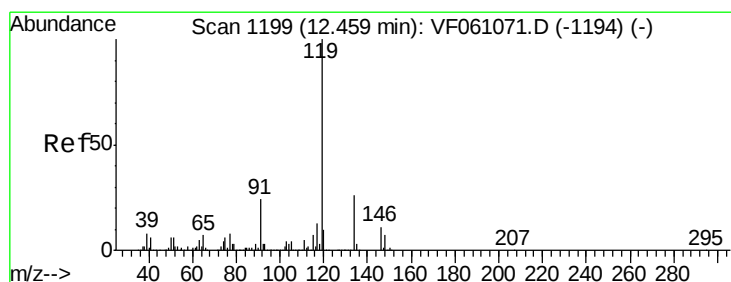
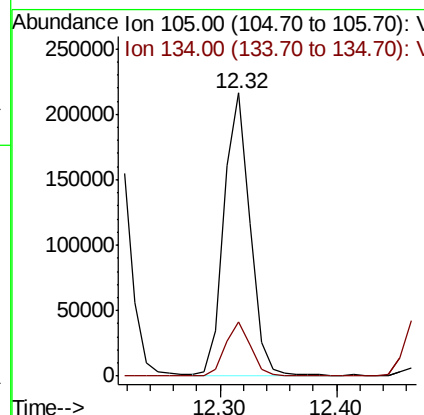
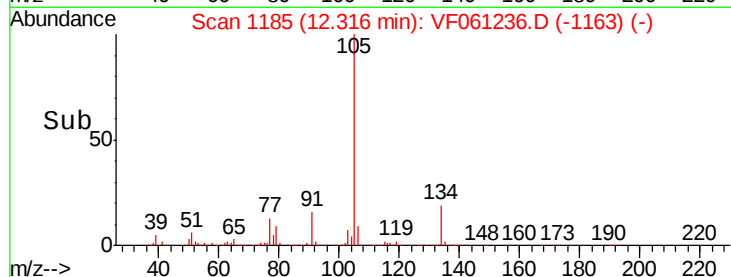
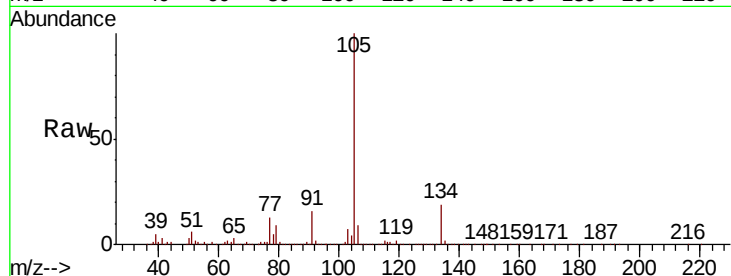
#85  
 sec-Butylbenzene  
 Concen: 21.279 ug/l  
 RT: 12.32 min Scan# 1185  
 Delta R.T. 0.02 min  
 Lab File: VF061236.D  
 Acq: 28 Dec 2018 15:20

Instrument :  
 MSVOA\_F  
 ClientSampleID :  
 VF1228SBS02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 332292 |       |       |
| 134     | 19.1  | 9.4    | 28.2  |       |

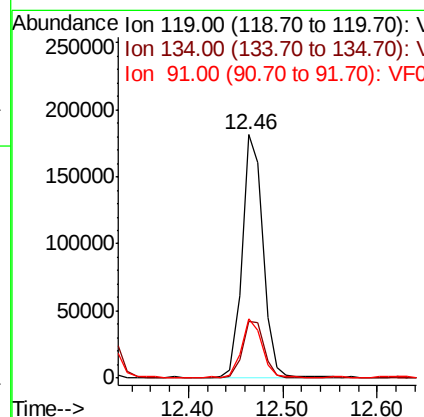
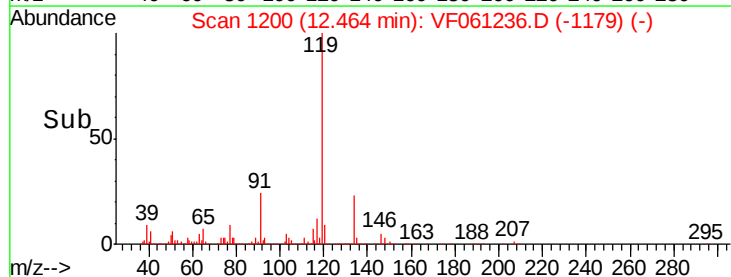
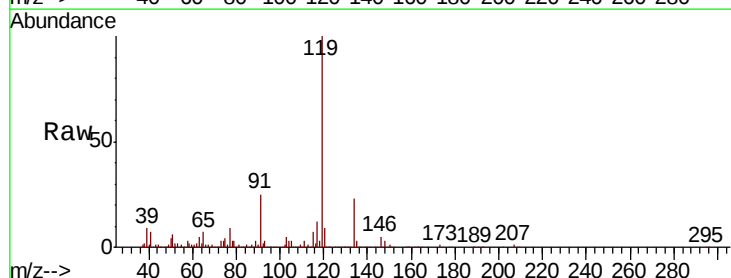
Manual Integrations  
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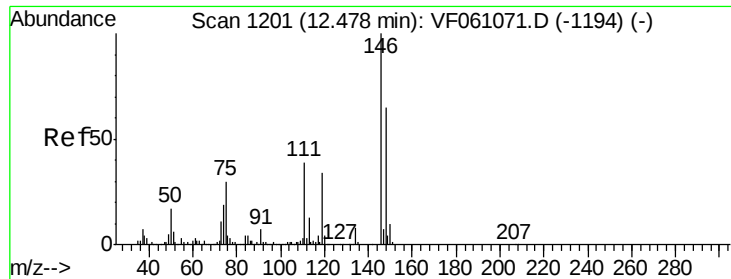
MMDadoda  
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#86  
 p-Isopropyltoluene  
 Concen: 21.442 ug/l  
 RT: 12.46 min Scan# 1200  
 Delta R.T. 0.01 min  
 Lab File: VF061236.D  
 Acq: 28 Dec 2018 15:20

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 277921 |       |       |
| 134     | 23.3  | 12.8   | 38.4  |       |
| 91      | 24.5  | 12.2   | 36.6  |       |





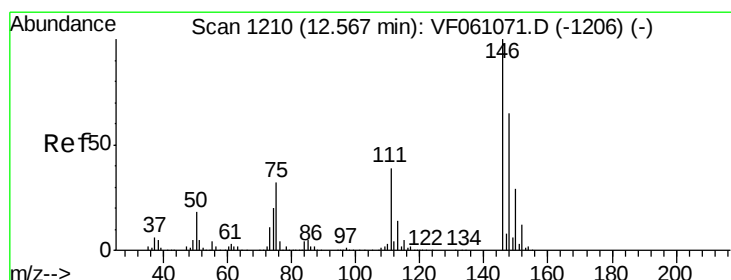
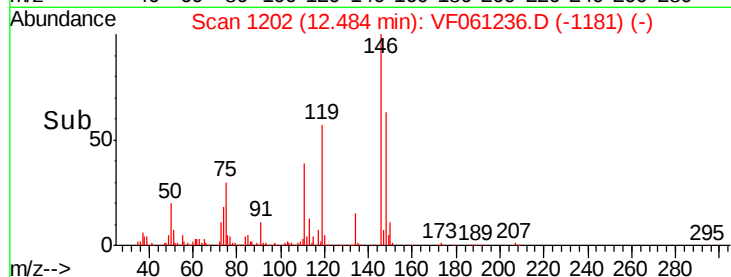
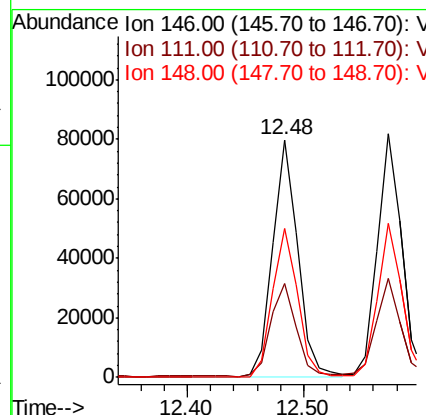
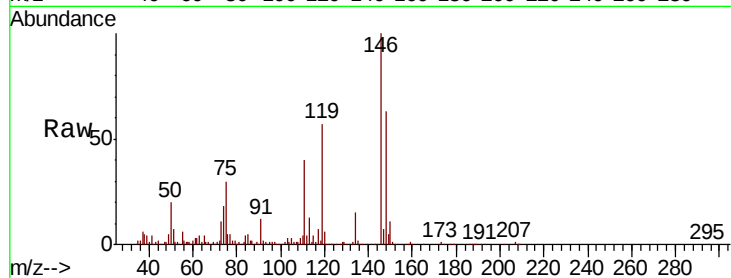
#87  
 1,3-Dichlorobenzene  
 Concen: 21.091 ug/l  
 RT: 12.48 min Scan# 1202  
 Delta R.T. 0.01 min  
 Lab File: VF061236.D  
 Acq: 28 Dec 2018 15:20

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF1228SBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.5  | 19.3  | 57.9  |
| 148     | 62.5  | 32.4  | 97.2  |

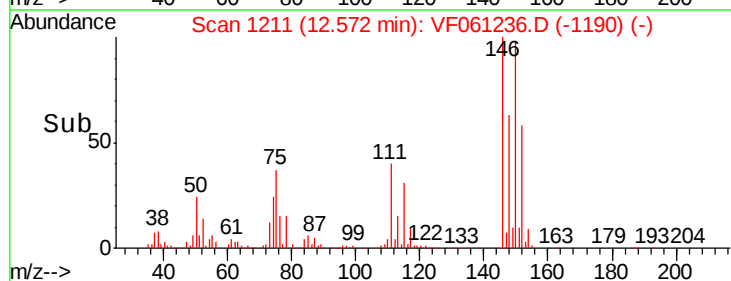
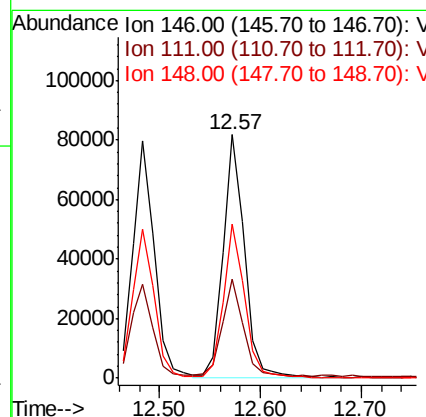
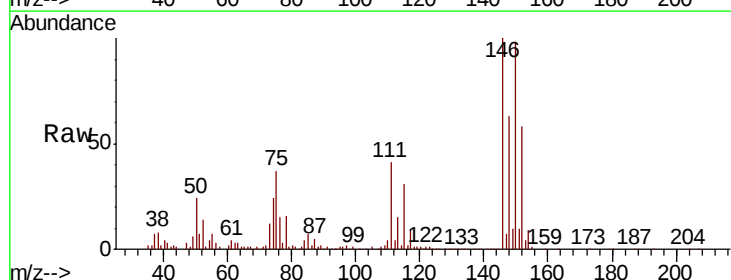
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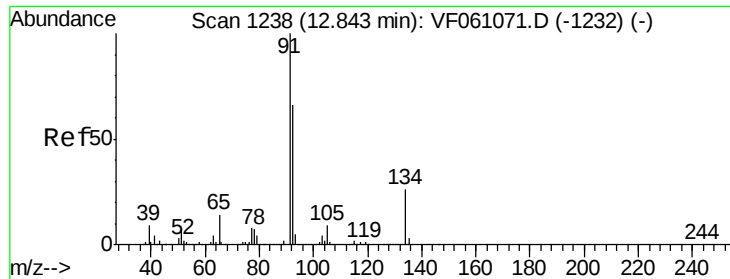
MMDadoda  
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#88  
 1,4-Dichlorobenzene  
 Concen: 21.816 ug/l  
 RT: 12.57 min Scan# 1211  
 Delta R.T. 0.01 min  
 Lab File: VF061236.D  
 Acq: 28 Dec 2018 15:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.5  | 19.4  | 58.4  |
| 148     | 63.2  | 32.4  | 97.0  |





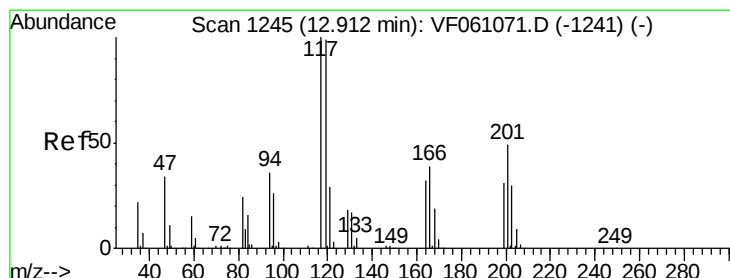
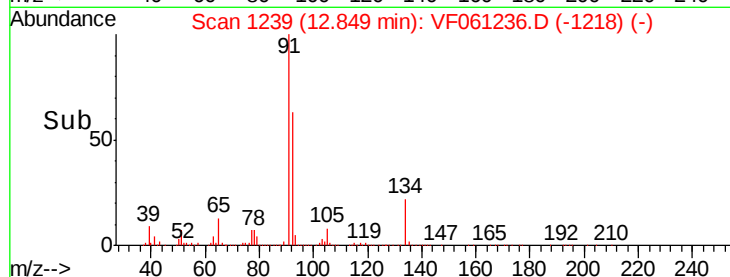
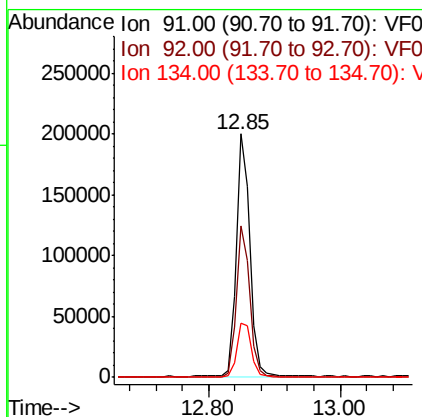
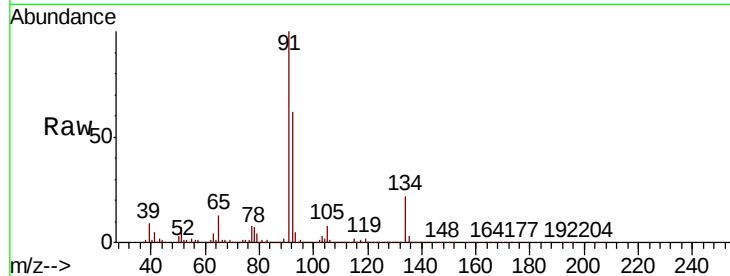
#89  
n-Butylbenzene  
Concen: 19.420 ug/l  
RT: 12.85 min Scan# 1239  
Delta R.T. 0.01 min  
Lab File: VF061236.D  
Acq: 28 Dec 2018 15:20

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF1228SBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 62.4  | 32.8  | 98.4  |
| 134     | 22.1  | 13.2  | 39.5  |

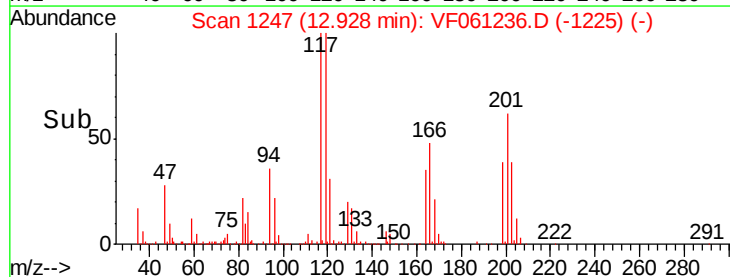
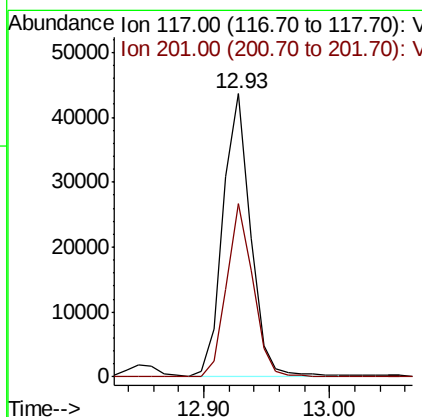
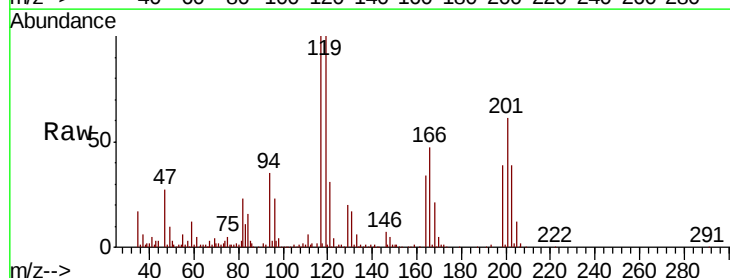
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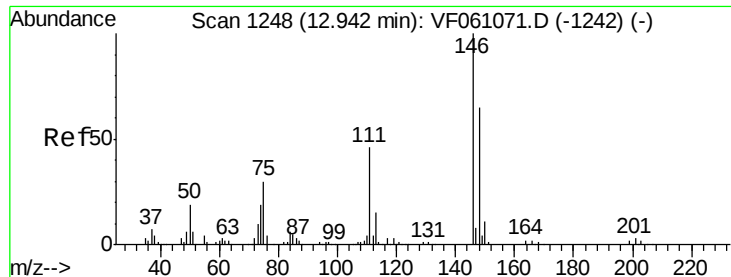
MMDadoda  
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#90  
Hexachloroethane  
Concen: 20.412 ug/l  
RT: 12.93 min Scan# 1247  
Delta R.T. 0.02 min  
Lab File: VF061236.D  
Acq: 28 Dec 2018 15:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 61.2  | 24.9  | 74.8  |





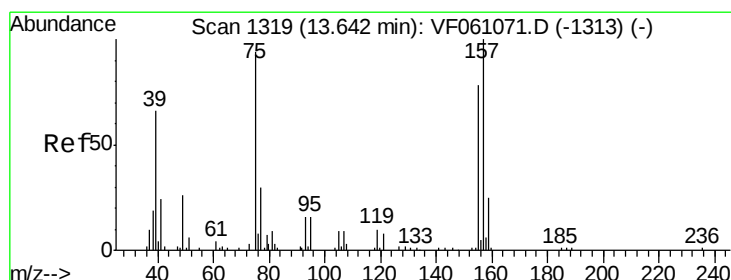
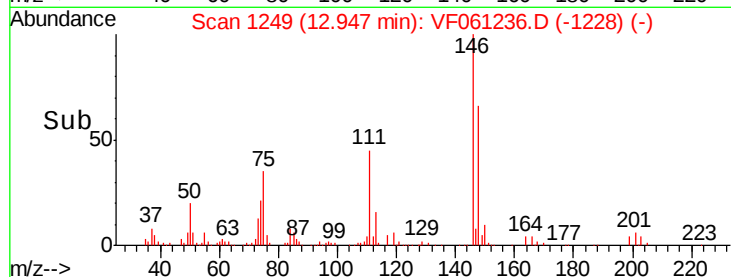
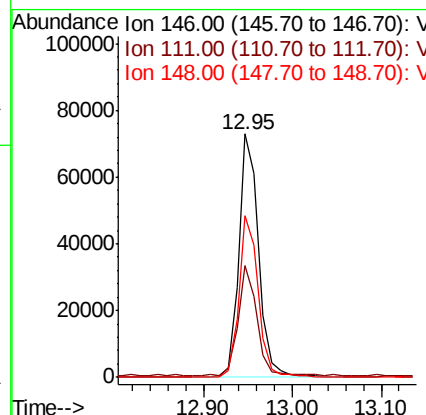
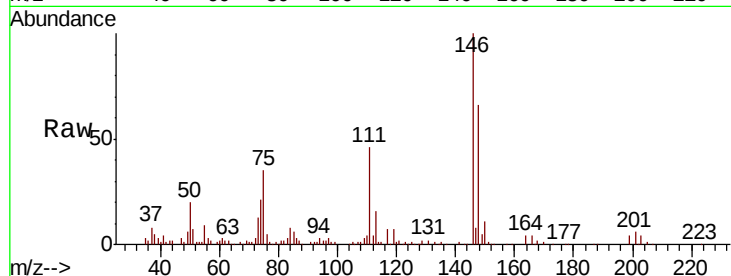
#91  
 1,2-Dichlorobenzene  
 Concen: 20.763 ug/l  
 RT: 12.95 min Scan# 1249  
 Delta R.T. 0.01 min  
 Lab File: VF061236.D  
 Acq: 28 Dec 2018 15:20

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF1228SBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 45.8  | 23.2  | 69.5  |
| 148     | 66.2  | 32.4  | 97.0  |

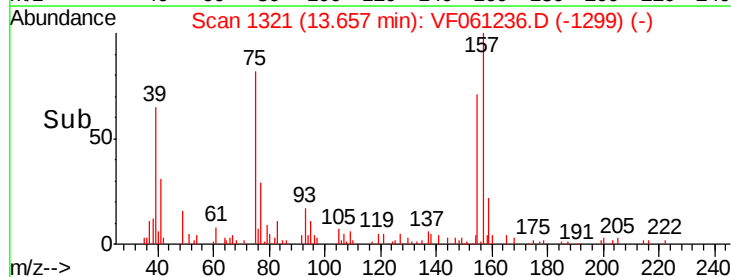
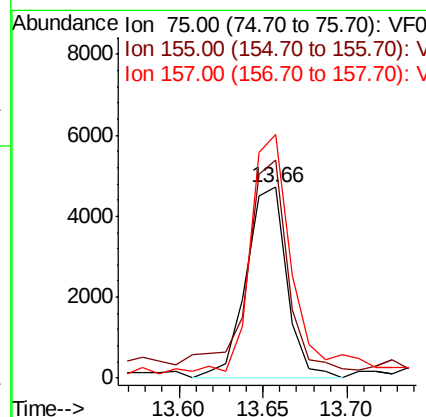
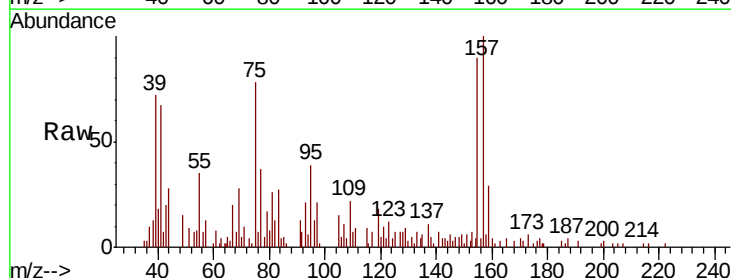
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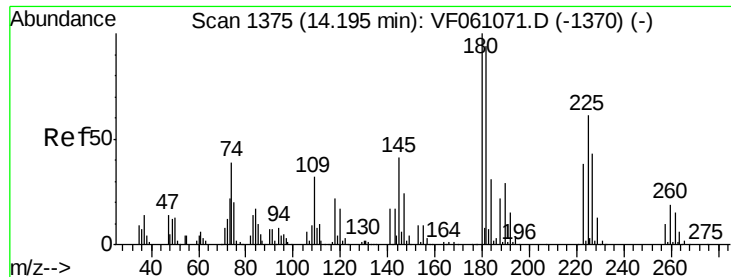
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 18.445 ug/l  
 RT: 13.66 min Scan# 1321  
 Delta R.T. 0.02 min  
 Lab File: VF061236.D  
 Acq: 28 Dec 2018 15:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 114.5 | 41.5  | 124.5 |
| 157     | 127.7 | 53.2  | 159.6 |





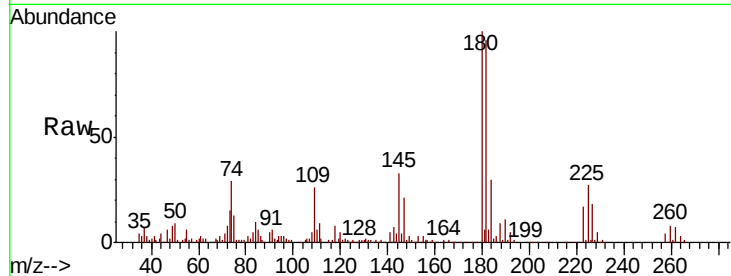
#93  
 1,2,4-Trichlorobenzene  
 Concen: 20.858 ug/l  
 RT: 14.21 min Scan# 1377  
 Delta R.T. 0.02 min  
 Lab File: VF061236.D  
 Acq: 28 Dec 2018 15:20

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF1228SBS02

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 80394 |       |       |
| 182     | 95.7  | 46.9  | 140.6 |       |
| 145     | 32.9  | 20.5  | 61.6  |       |

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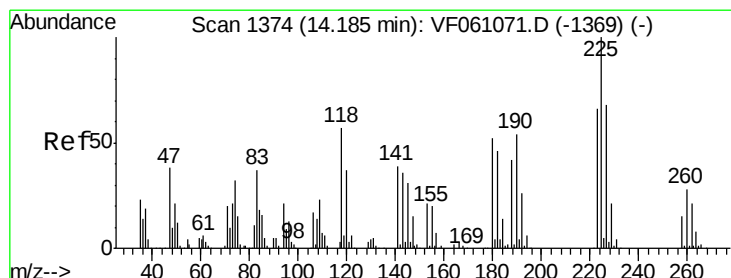
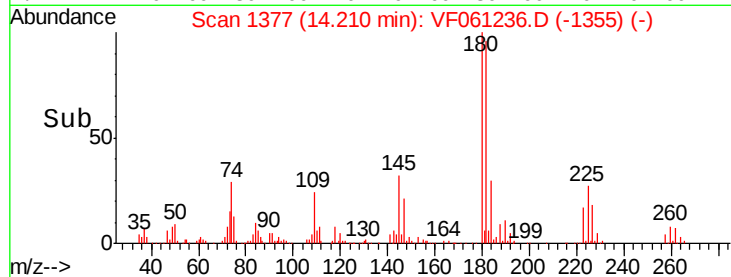
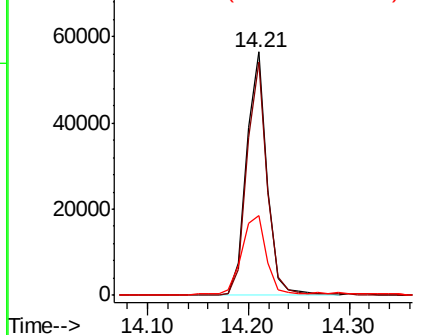


Abundance

Ion 180.00 (179.70 to 180.70): V

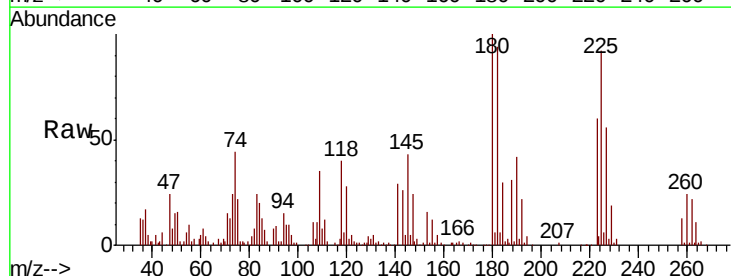
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94  
 Hexachlorobutadiene  
 Concen: 19.104 ug/l  
 RT: 14.20 min Scan# 1376  
 Delta R.T. 0.02 min  
 Lab File: VF061236.D  
 Acq: 28 Dec 2018 15:20

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 46898 |       |       |
| 223     | 65.4  | 32.8  | 98.3  |       |
| 227     | 60.8  | 34.0  | 101.8 |       |

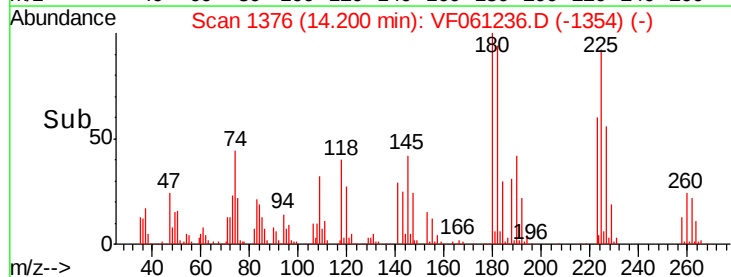
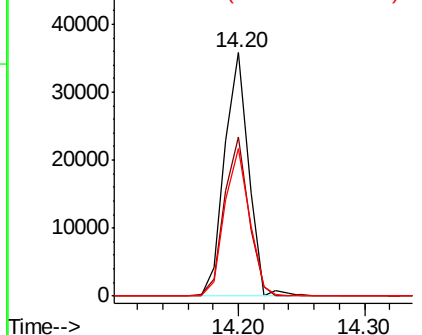


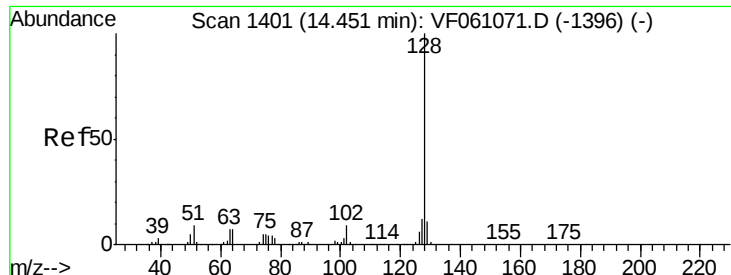
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





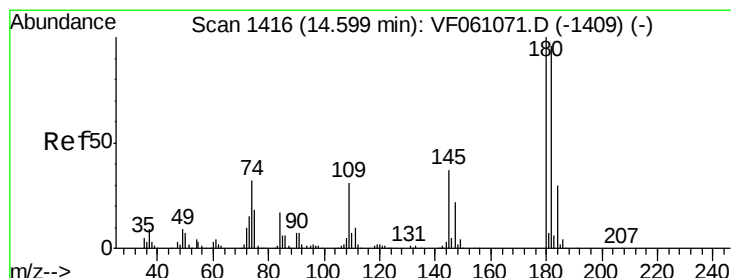
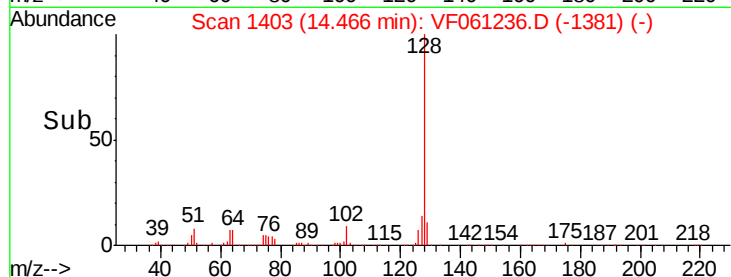
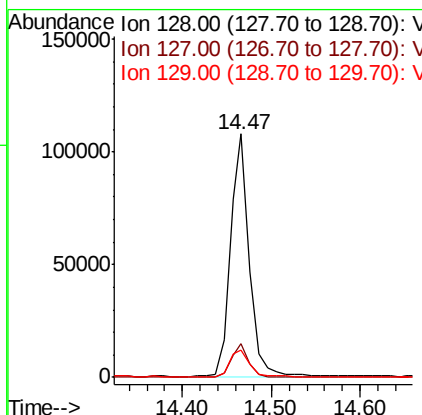
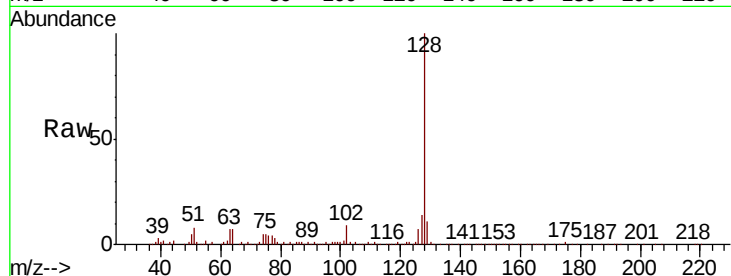
#95  
Naphthalene  
Concen: 23.094 ug/l  
RT: 14.47 min Scan# 1403  
Delta R.T. 0.02 min  
Lab File: VF061236.D  
Acq: 28 Dec 2018 15:20

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF1228SBS02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 162539 |       |       |
| 127     | 13.7  |        | 9.4   | 14.2  |
| 129     | 11.2  |        | 8.8   | 13.2  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 20.997 ug/l  
RT: 14.61 min Scan# 1418  
Delta R.T. 0.02 min  
Lab File: VF061236.D  
Acq: 28 Dec 2018 15:20

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 74814 |       |       |
| 182     | 93.2  |       | 47.9  | 143.8 |
| 145     | 34.4  |       | 18.6  | 55.8  |

