

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010919\  
 Data File : VF061318.D  
 Acq On : 10 Jan 2019 1:16  
 Operator : VA/AP  
 Sample : VF0109SBS03  
 Misc : 5.00µg/5mL/MSVOA-F/SOIL  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0109SBS03

Manual Integrations  
 APPROVED

MMDadoda  
 1/10/2019 3:32:05 PM

Quant Time: Jan 10 07:10:25 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F010819S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 09 07:13:51 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.89  | 168  | 159540   | 50.00 | ug/l  | 0.01     |
| 34) 1,4-Difluorobenzene    | 5.62  | 114  | 273411   | 50.00 | ug/l  | 0.01     |
| 63) Chlorobenzene-d5       | 9.79  | 117  | 262231   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.56 | 152  | 151817   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 4.86   | 65  | 95859    | 53.98 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 107.96% |      |
| 35) Dibromofluoromethane  | 4.13   | 113 | 118740   | 56.76 | ug/l    | 0.01 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 113.52% |      |
| 50) Toluene-d8            | 7.57   | 98  | 308584   | 49.84 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.68%  |      |
| 62) 4-Bromofluorobenzene  | 11.43  | 95  | 154696   | 57.22 | ug/l    | 0.01 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 114.44% |      |

## Target Compounds

|                               |      |     |        |         |        | Qvalue |
|-------------------------------|------|-----|--------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 0.96 | 85  | 68004  | 23.108  | ug/l   | 98     |
| 3) Chloromethane              | 1.09 | 50  | 56305  | 21.470  | ug/l   | 97     |
| 4) Vinyl Chloride             | 1.14 | 62  | 53314  | 22.762  | ug/l   | 99     |
| 5) Bromomethane               | 1.30 | 94  | 37924  | 21.120  | ug/l   | 92     |
| 6) Chloroethane               | 1.38 | 64  | 26417  | 23.097  | ug/l   | 95     |
| 7) Trichlorofluoromethane     | 1.46 | 101 | 93639  | 23.583  | ug/l   | 98     |
| 8) Diethyl Ether              | 1.63 | 74  | 13047  | 22.377  | ug/l   | 66     |
| 9) 1,1,2-Trichlorotrifluoroet | 1.82 | 101 | 47784  | 22.791  | ug/l   | 97     |
| 10) Methyl Iodide             | 1.85 | 142 | 74390  | 22.648  | ug/l   | 90     |
| 11) Tert butyl alcohol        | 2.57 | 59  | 5813   | 81.760  | ug/l # | 86     |
| 12) 1,1-Dichloroethene        | 1.76 | 96  | 36230  | 21.610  | ug/l   | 95     |
| 13) Acrolein                  | 2.02 | 56  | 9007   | 104.132 | ug/l   | 93     |
| 14) Allyl chloride            | 2.11 | 41  | 65698  | 21.439  | ug/l   | 91     |
| 15) Acrylonitrile             | 2.94 | 53  | 25351  | 100.582 | ug/l   | 97     |
| 16) Acetone                   | 2.24 | 43  | 31907  | 77.240  | ug/l # | 89     |
| 17) Carbon Disulfide          | 1.77 | 76  | 123895 | 22.374  | ug/l   | 99     |
| 18) Methyl Acetate            | 2.35 | 43  | 19180  | 23.599  | ug/l   | 98     |
| 19) Methyl tert-butyl Ether   | 2.44 | 73  | 77888  | 24.380  | ug/l   | 99     |
| 20) Methylene Chloride        | 2.18 | 84  | 40411  | 23.124  | ug/l   | 95     |
| 21) trans-1,2-Dichloroethene  | 2.32 | 96  | 39873  | 22.444  | ug/l   | 93     |
| 22) Diisopropyl ether         | 2.81 | 45  | 122121 | 20.599  | ug/l # | 97     |
| 23) Vinyl Acetate             | 3.20 | 43  | 170032 | 98.070  | ug/l   | 100    |
| 24) 1,1-Dichloroethane        | 2.89 | 63  | 76714  | 22.369  | ug/l   | 100    |
| 25) 2-Butanone                | 4.35 | 43  | 66038  | 99.326  | ug/l   | 95     |
| 26) 2,2-Dichloropropane       | 3.62 | 77  | 50904  | 22.213  | ug/l   | 97     |
| 27) cis-1,2-Dichloroethene    | 3.49 | 96  | 56747  | 22.878  | ug/l   | 86     |
| 28) Bromochloromethane        | 3.73 | 49  | 34398  | 22.749  | ug/l # | 98     |
| 29) Tetrahydrofuran           | 4.09 | 42  | 30336  | 109.128 | ug/l   | 97     |
| 30) Chloroform                | 3.88 | 83  | 100412 | 23.065  | ug/l   | 97     |
| 31) Cyclohexane               | 3.70 | 56  | 85274  | 23.702  | ug/l   | 87     |
| 32) 1,1,1-Trichloroethane     | 4.12 | 97  | 84624  | 24.066  | ug/l   | 96     |
| 36) 1,1-Dichloropropene       | 4.30 | 75  | 65236  | 20.432  | ug/l   | 96     |
| 37) Ethyl Acetate             | 4.12 | 43  | 22627  | 19.461  | ug/l # | 57     |
| 38) Carbon Tetrachloride      | 4.01 | 117 | 72286  | 23.905  | ug/l   | 98     |

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 Sample : VF0109SBS03  
 Misc : 5.00µ/5mL/MSVOA-F/SOIL  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleID :  
 VF0109SBS03

Manual Integrations  
 APPROVED

MMDadoda  
 1/10/2019 3:32:05 PM

Quant Time: Jan 10 07:10:25 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F010819S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 09 07:13:51 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 5.47  | 83   | 89832    | 22.486  | ug/l   | 96       |
| 40) Benzene                    | 4.65  | 78   | 160128   | 21.482  | ug/l   | 100      |
| 41) Methacrylonitrile          | 4.76  | 41   | 14935    | 23.002  | ug/l   | 91       |
| 42) 1,2-Dichloroethane         | 4.97  | 62   | 50736    | 21.862  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 6.98  | 43   | 31577    | 20.571  | ug/l # | 89       |
| 44) Trichloroethene            | 5.52  | 130  | 46199    | 21.178  | ug/l   | 89       |
| 45) 1,2-Dichloropropane        | 6.26  | 63   | 40013    | 21.109  | ug/l   | 94       |
| 46) Dibromomethane             | 6.10  | 93   | 25574    | 21.974  | ug/l   | 93       |
| 47) Bromodichloromethane       | 6.40  | 83   | 60421    | 20.874  | ug/l   | 99       |
| 48) Methyl methacrylate        | 6.73  | 41   | 23476    | 23.561  | ug/l   | 92       |
| 49) 1,4-Dioxane                | 6.73  | 88   | 2047     | 325.593 | ug/l # | 85       |
| 51) 4-Methyl-2-Pentanone       | 8.27  | 43   | 141685   | 122.286 | ug/l   | 100      |
| 52) Toluene                    | 7.64  | 92   | 101050   | 21.091  | ug/l   | 95       |
| 53) t-1,3-Dichloropropene      | 8.29  | 75   | 49040    | 21.574  | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene    | 7.31  | 75   | 60126    | 19.949  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 8.51  | 97   | 27815    | 20.747  | ug/l   | 93       |
| 56) Ethyl methacrylate         | 8.64  | 69   | 33461    | 22.331  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 8.87  | 76   | 53116    | 22.386  | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether  | 7.31  | 63   | 6432     | 100.729 | ug/l # | 82       |
| 59) 2-Hexanone                 | 9.50  | 43   | 92800    | 113.056 | ug/l   | 97       |
| 60) Dibromochloromethane       | 8.73  | 129  | 41084    | 23.013  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 9.00  | 107  | 28938    | 21.174  | ug/l   | 96       |
| 64) Tetrachloroethene          | 8.17  | 164  | 39253    | 20.559  | ug/l   | 91       |
| 65) Chlorobenzene              | 9.82  | 112  | 103985   | 19.637  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 9.95  | 131  | 53004    | 24.531  | ug/l   | 94       |
| 67) Ethyl Benzene              | 9.92  | 91   | 224298   | 21.969  | ug/l   | 96       |
| 68) m/p-Xylenes                | 10.15 | 106  | 156656   | 43.987  | ug/l   | 98       |
| 69) o-Xylene                   | 10.73 | 106  | 88133    | 22.153  | ug/l   | 99       |
| 70) Styrene                    | 10.81 | 104  | 112824   | 21.288  | ug/l   | 98       |
| 71) Bromoform                  | 10.79 | 173  | 20485    | 23.198  | ug/l # | 97       |
| 73) Isopropylbenzene           | 11.14 | 105  | 265035   | 19.839  | ug/l   | 100      |
| 74) N-amyl acetate             | 11.39 | 43   | 67005    | 22.065  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.70 | 83   | 49446    | 23.344  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 11.80 | 75   | 34601    | 22.272  | ug/l   | 89       |
| 77) Bromobenzene               | 11.51 | 156  | 51955    | 19.549  | ug/l   | 90       |
| 78) n-propylbenzene            | 11.61 | 91   | 324500   | 20.373  | ug/l   | 98       |
| 79) 2-Chlorotoluene            | 11.73 | 91   | 177158   | 19.963  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 11.83 | 105  | 223139   | 20.992  | ug/l   | 95       |
| 81) trans-1,4-Dichloro-2-buten | 11.88 | 75   | 12802m   | 18.857  | ug/l   |          |
| 82) 4-Chlorotoluene            | 11.91 | 91   | 182784   | 20.270  | ug/l   | 94       |
| 83) tert-Butylbenzene          | 12.14 | 119  | 208724   | 19.709  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 12.22 | 105  | 211211   | 20.013  | ug/l   | 97       |
| 85) sec-Butylbenzene           | 12.32 | 105  | 290412   | 19.259  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 12.47 | 119  | 244901   | 19.967  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 12.48 | 146  | 109908   | 21.176  | ug/l   | 94       |
| 88) 1,4-Dichlorobenzene        | 12.57 | 146  | 104384   | 20.920  | ug/l   | 96       |
| 89) n-Butylbenzene             | 12.86 | 91   | 259933   | 20.626  | ug/l   | 94       |
| 90) Hexachloroethane           | 12.93 | 117  | 55547    | 19.798  | ug/l   | 92       |
| 91) 1,2-Dichlorobenzene        | 12.96 | 146  | 102172   | 20.624  | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.66 | 75   | 7420     | 20.733  | ug/l   | 90       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010919\  
Data File : VF061318.D  
Acq On : 10 Jan 2019 1:16  
Operator : VA/AP  
Sample : VF0109SBS03  
Misc : 5.00µ/5mL/MSVOA-F/SOIL  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0109SBS03

Manual Integrations  
APPROVED

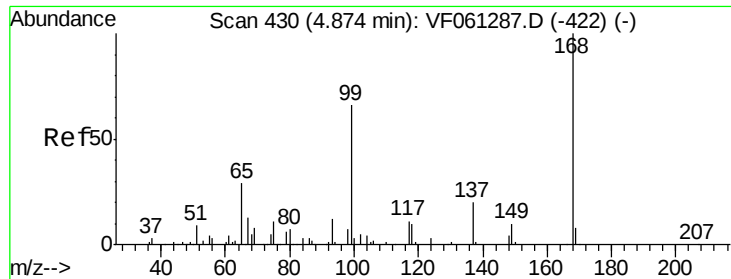
MMDadoda  
1/10/2019 3:32:05 PM

Quant Time: Jan 10 07:10:25 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F010819S.M  
Quant Title : SW846 8260  
QLast Update : Wed Jan 09 07:13:51 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.21 | 180  | 69123    | 20.276 | µg/l  | 93       |
| 94) Hexachlorobutadiene    | 14.20 | 225  | 37990    | 17.310 | µg/l  | 97       |
| 95) Naphthalene            | 14.47 | 128  | 134493   | 20.935 | µg/l  | 98       |
| 96) 1,2,3-Trichlorobenzene | 14.61 | 180  | 63040    | 19.631 | µg/l  | 98       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. 0.01 min

Lab File: VF061318.D

Acq: 10 Jan 2019 1:16

Instrument :

MSVOA\_F

ClientSampleId :

VF0109SBS03

Tot Ion:168 Resp: 159540

Ion Ratio Lower Upper

168 100

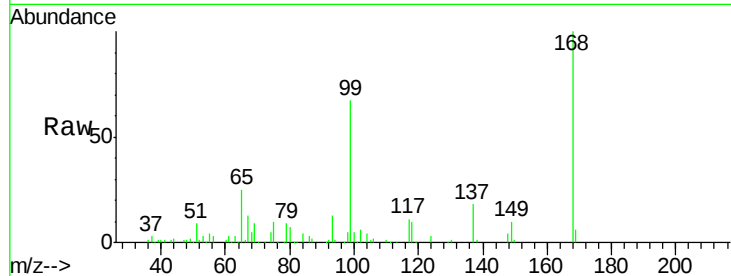
99 67.4 52.7 79.1

Manual Integrations

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1/10/2019 3:32:05 PM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.89

60000

50000

40000

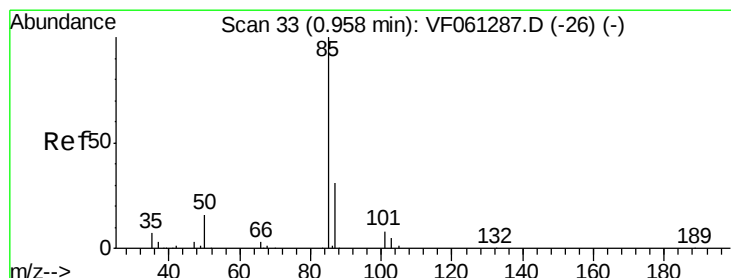
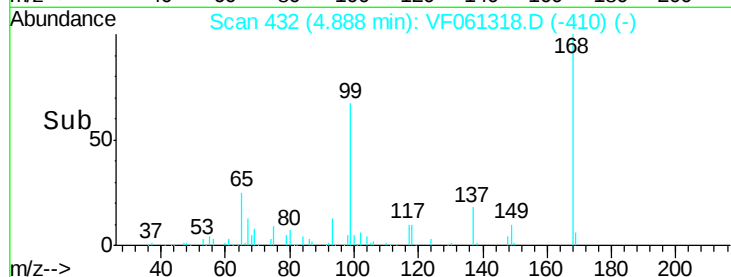
30000

20000

10000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 23.108 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF061318.D

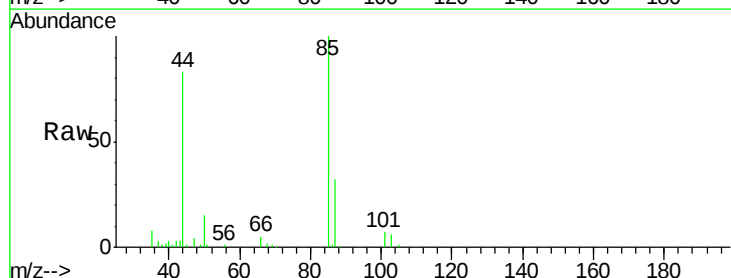
Acq: 10 Jan 2019 1:16

Tgt Ion: 85 Resp: 68004

Ion Ratio Lower Upper

85 100

87 32.0 15.4 46.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

25000

20000

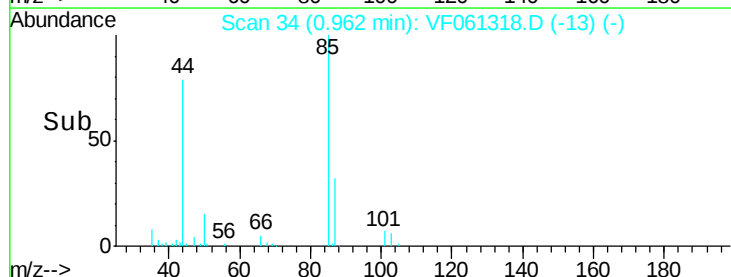
15000

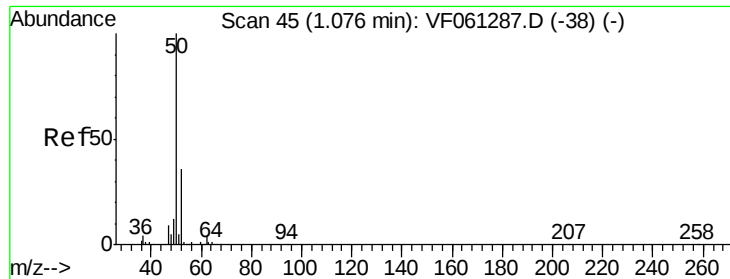
10000

5000

0

Time--> 0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 21.470 ug/l

RT: 1.09 min Scan# 47

Delta R.T. 0.01 min

Lab File: VF061318.D

Acq: 10 Jan 2019 1:16

Instrument :

MSVOA\_F

ClientSampleId :

VF0109SBS03

Tot Ion: 50 Resp: 56305

Ion Ratio Lower Upper

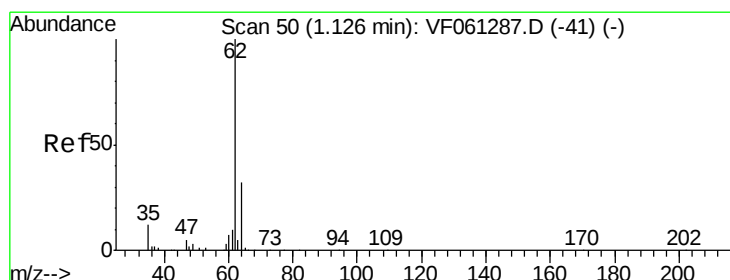
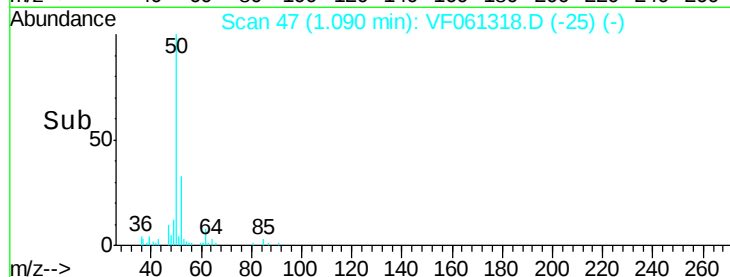
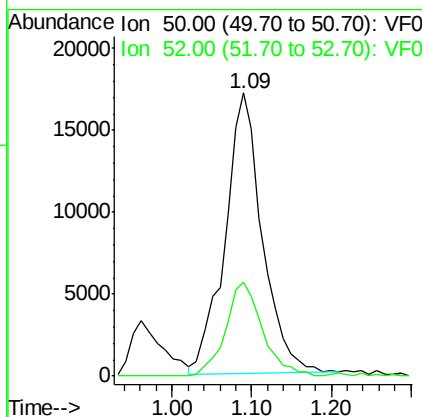
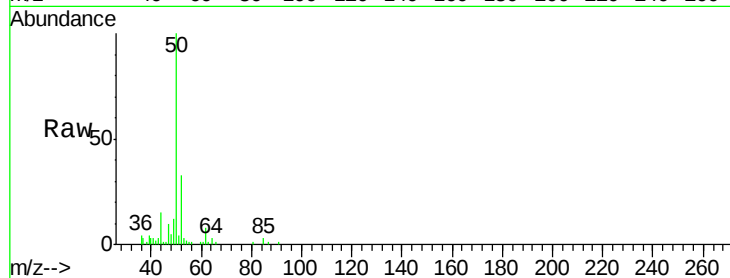
50 100

52 33.4 28.2 42.2

Manual Integrations  
APPROVED

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1/10/2019 3:32:05 PM



#4

Vinyl Chloride

Concen: 22.762 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.01 min

Lab File: VF061318.D

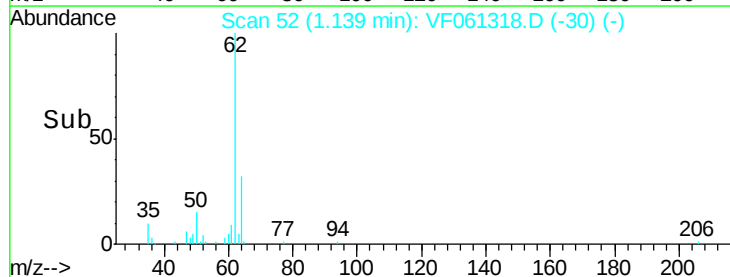
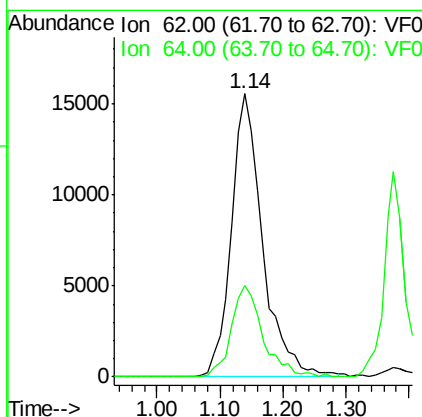
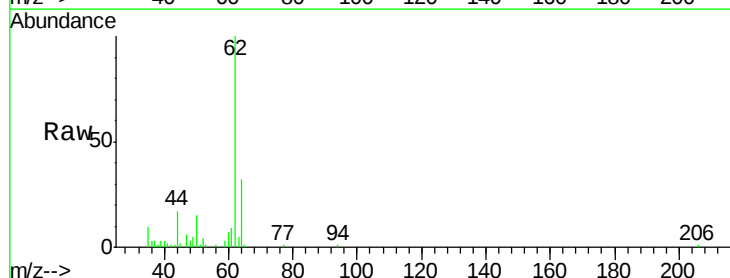
Acq: 10 Jan 2019 1:16

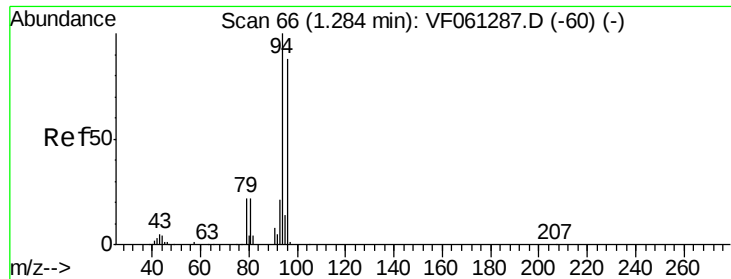
Tgt Ion: 62 Resp: 53314

Ion Ratio Lower Upper

62 100

64 32.3 25.4 38.0





#5

Bromomethane

Concen: 21.120 ug/l

RT: 1.30 min Scan# 68

Delta R.T. 0.01 min

Lab File: VF061318.D

Acq: 10 Jan 2019 1:16

Instrument :

MSVOA\_F

ClientSampleId :

VF0109SBS03

Tot Ion: 94 Resp: 37924

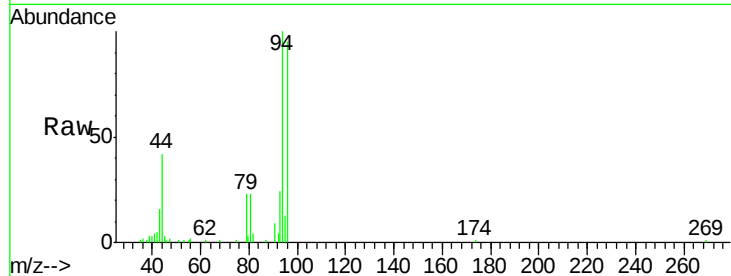
Ion Ratio Lower Upper

94 100

96 95.4 70.2 105.4

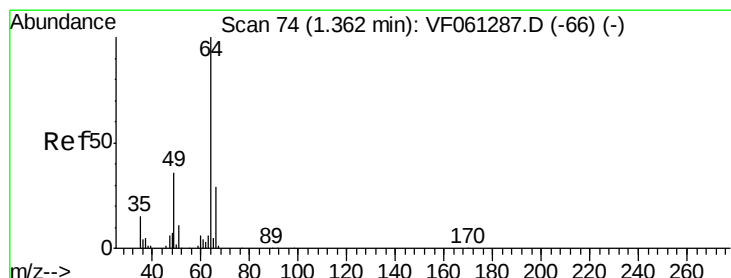
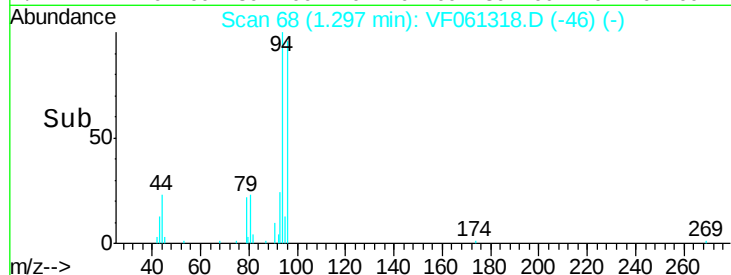
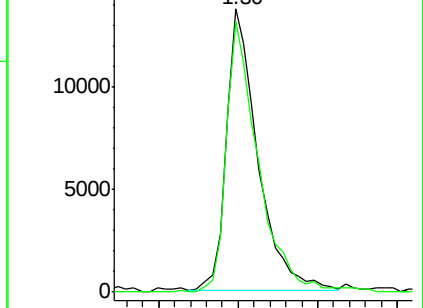
Manual Integrations  
APPROVED

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1/10/2019 3:32:05 PM



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 23.097 ug/l

RT: 1.38 min Scan# 76

Delta R.T. 0.01 min

Lab File: VF061318.D

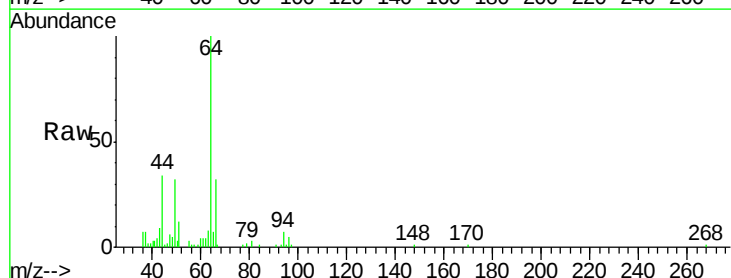
Acq: 10 Jan 2019 1:16

Tgt Ion: 64 Resp: 26417

Ion Ratio Lower Upper

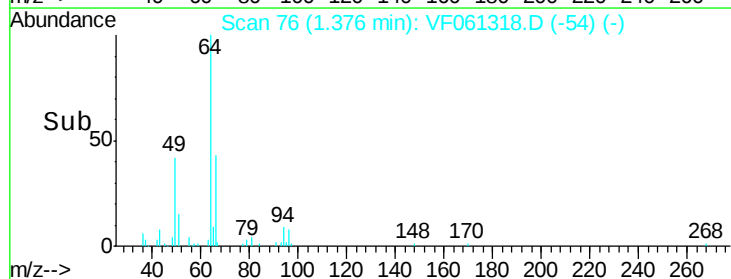
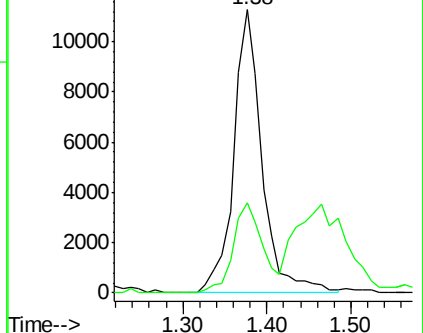
64 100

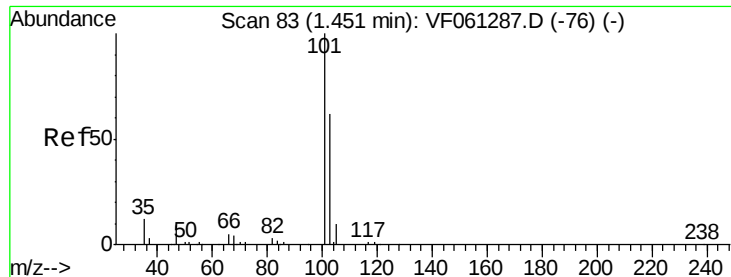
66 31.7 23.4 35.0



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 23.583 ug/l

RT: 1.46 min Scan# 85

Delta R.T. 0.01 min

Lab File: VF061318.D

Acq: 10 Jan 2019 1:16

Instrument :

MSVOA\_F

ClientSampleId :

VF0109SBS03

Tot Ion:101 Resp: 93639

Ion Ratio Lower Upper

101 100

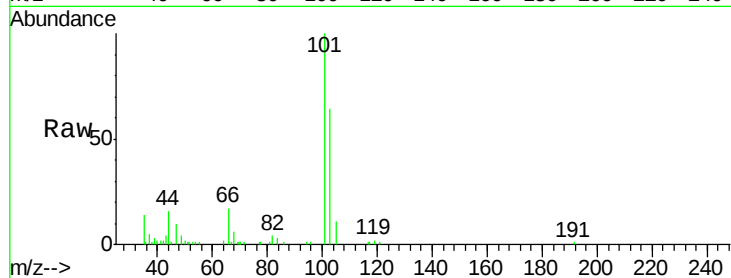
103 64.2 49.9 74.9

Manual Integrations

APPROVED

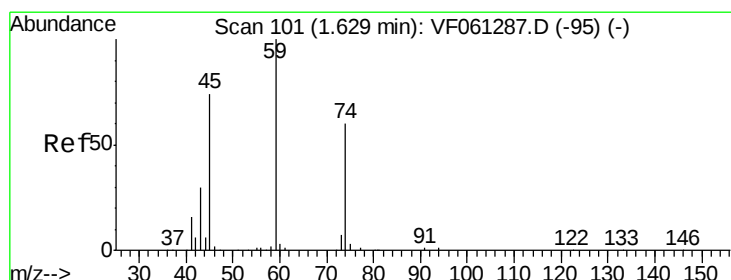
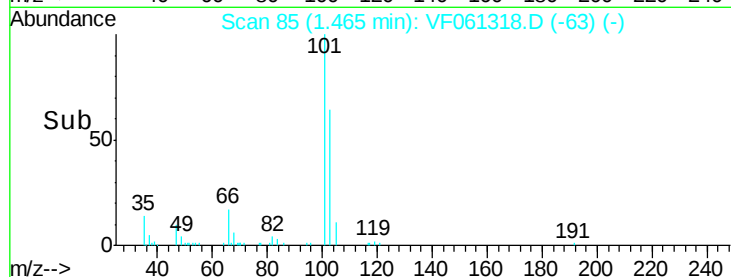
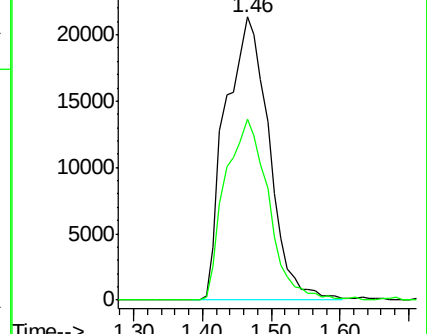
MMDadoda

1/10/2019 3:32:05 PM



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 22.377 ug/l

RT: 1.63 min Scan# 102

Delta R.T. 0.00 min

Lab File: VF061318.D

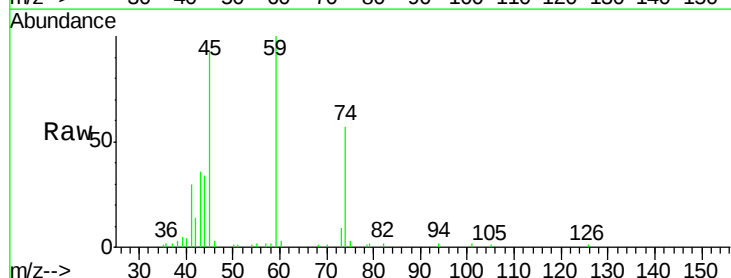
Acq: 10 Jan 2019 1:16

Tgt Ion: 74 Resp: 13047

Ion Ratio Lower Upper

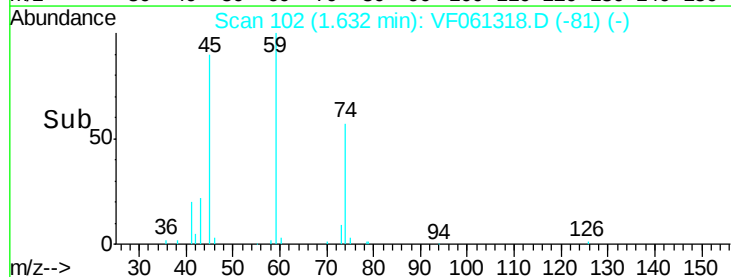
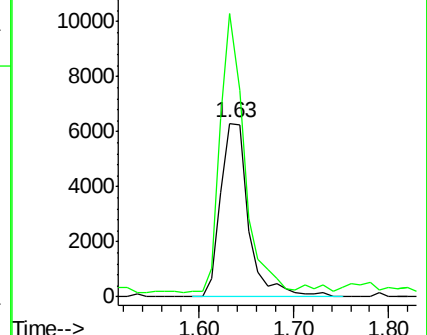
74 100

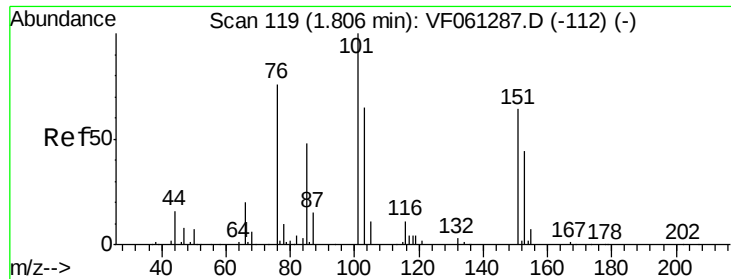
45 163.1 62.1 186.3



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.791 ug/l

RT: 1.82 min Scan# 121

Delta R.T. 0.01 min

Lab File: VF061318.D

Acq: 10 Jan 2019 1:16

Instrument :

MSVOA\_F

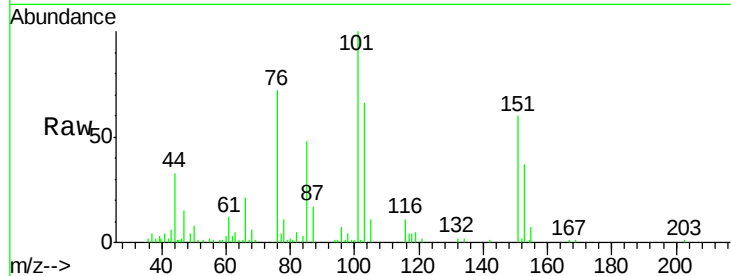
ClientSampleId :

VF0109SBS03

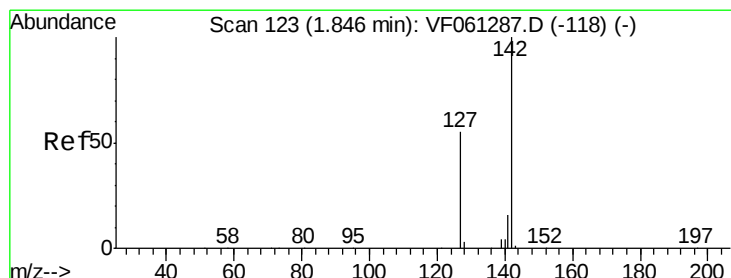
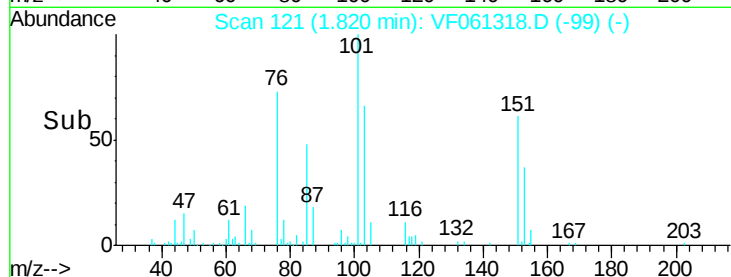
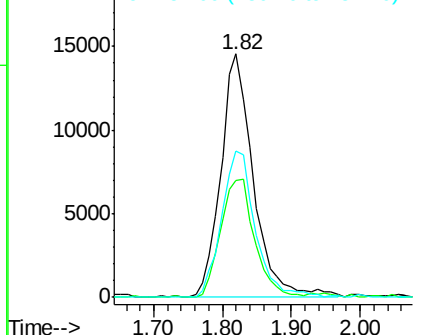
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 47784 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 47.9  | 38.4  | 57.6  |
| 151       | 59.9  | 51.4  | 77.2  |

Manual Integrations  
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Abundance Ion 101.00 (100.70 to 101.70): V  
Ion 85.00 (84.70 to 85.70): VF0  
Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 22.648 ug/l

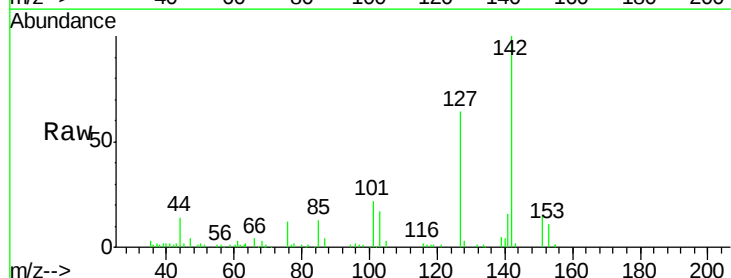
RT: 1.85 min Scan# 124

Delta R.T. 0.00 min

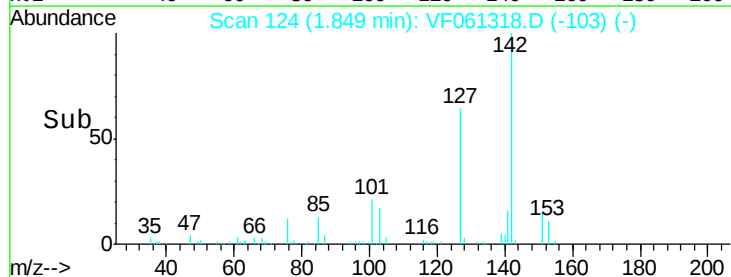
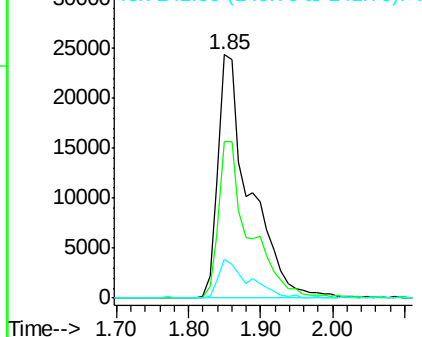
Lab File: VF061318.D

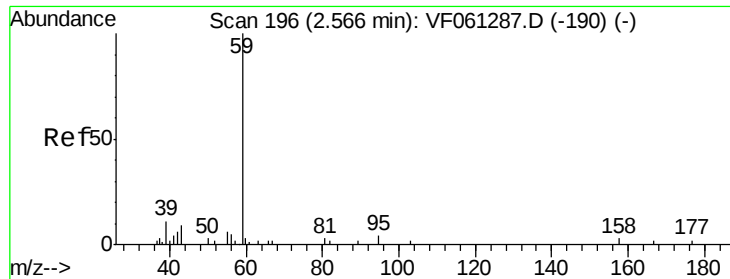
Acq: 10 Jan 2019 1:16

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 74390 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 64.2  | 44.3  | 66.5  |
| 141       | 16.0  | 13.2  | 19.8  |



Abundance Ion 142.00 (141.70 to 142.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 141.00 (140.70 to 141.70): V





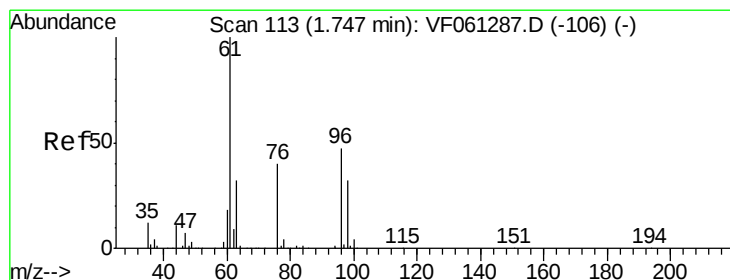
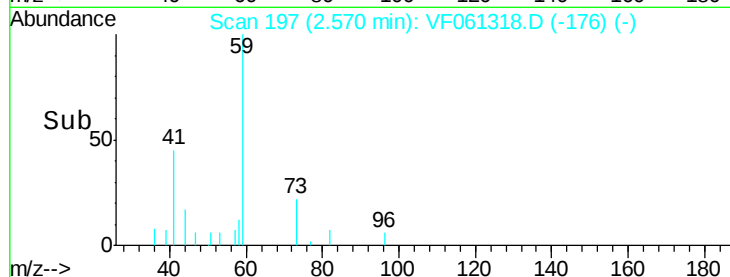
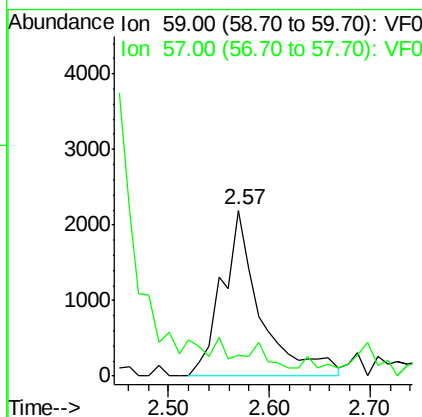
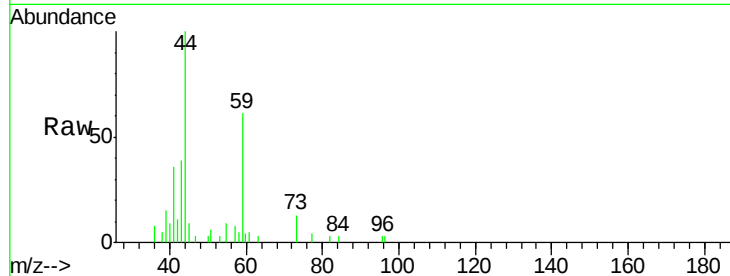
#11  
Tert butyl alcohol  
Concen: 81.760 ug/l  
RT: 2.57 min Scan# 197  
Delta R.T. 0.00 min  
Lab File: VF061318.D  
Acq: 10 Jan 2019 1:16

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0109SBS03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 12.4  | 15.1  | 22.7# |

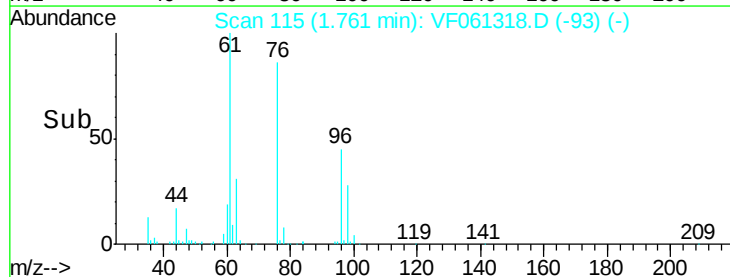
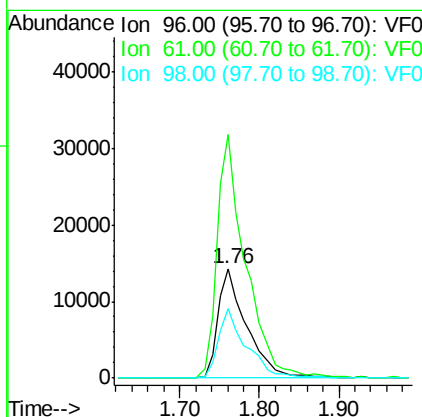
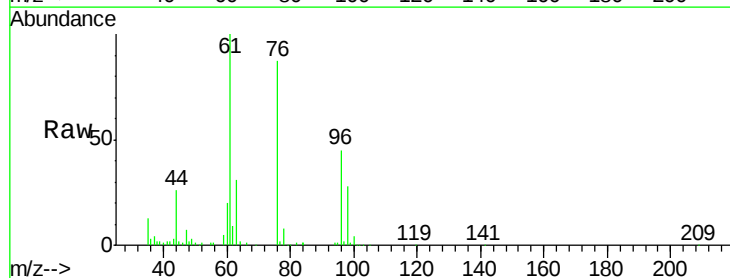
Manual Integrations  
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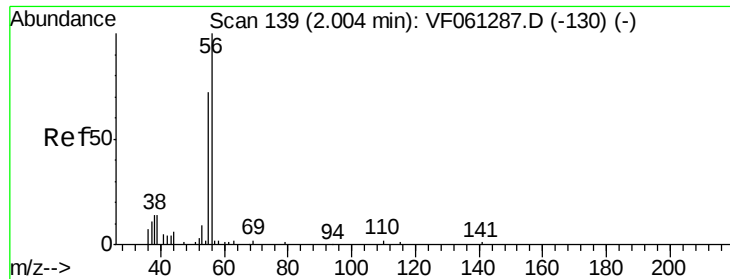
MMDadoda  
1/10/2019 3:32:05 PM



#12  
1,1-Dichloroethene  
Concen: 21.610 ug/l  
RT: 1.76 min Scan# 115  
Delta R.T. 0.01 min  
Lab File: VF061318.D  
Acq: 10 Jan 2019 1:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 221.9 | 171.8 | 257.8 |
| 98      | 62.8  | 54.2  | 81.4  |





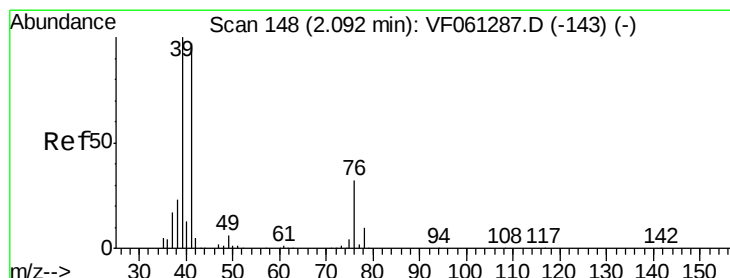
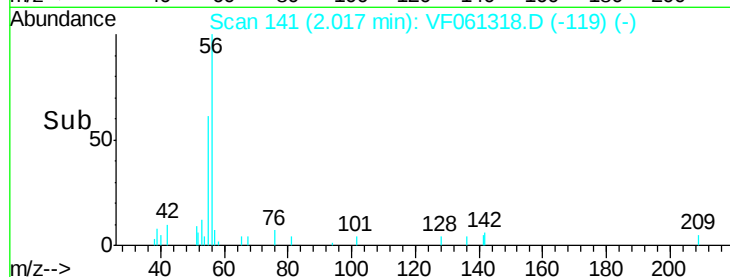
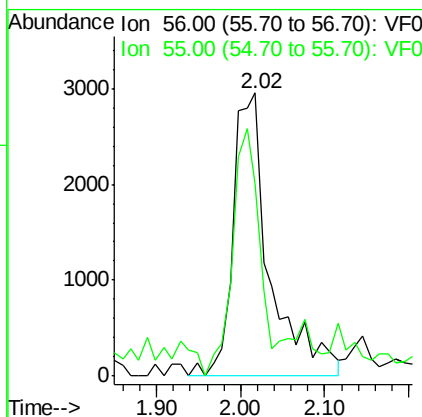
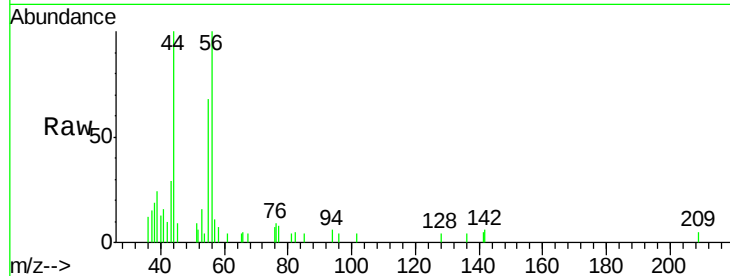
#13  
Acrolein  
Concen: 104.132 ug/l  
RT: 2.02 min Scan# 141  
Delta R.T. 0.01 min  
Lab File: VF061318.D  
Acq: 10 Jan 2019 1:16

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0109SBS03

| Tot Ion   | 56   | Resp  | 9007  |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 56        | 100  |       |       |
| 55        | 68.1 | 59.4  | 89.0  |

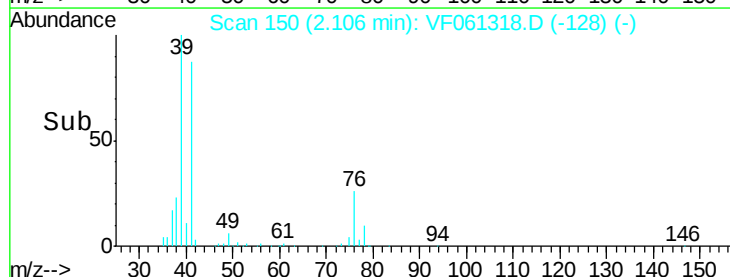
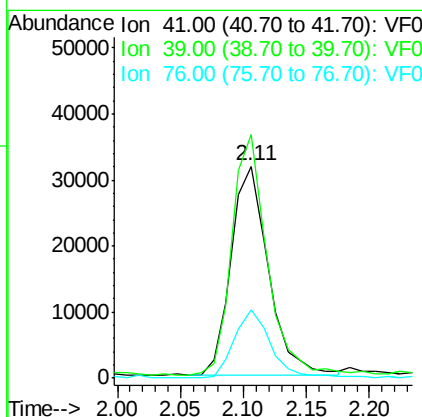
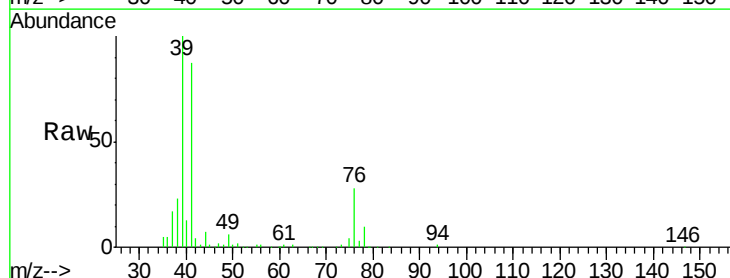
Manual Integrations  
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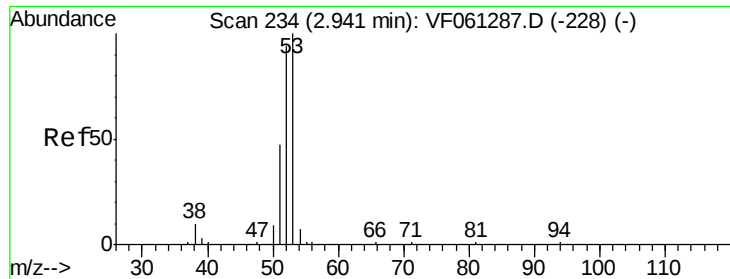
MMDadoda  
1/10/2019 3:32:05 PM



#14  
Allyl chloride  
Concen: 21.439 ug/l  
RT: 2.11 min Scan# 150  
Delta R.T. 0.01 min  
Lab File: VF061318.D  
Acq: 10 Jan 2019 1:16

| Tgt Ion   | 41    | Resp  | 65698 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 41        | 100   |       |       |
| 39        | 114.7 | 82.6  | 123.8 |
| 76        | 32.3  | 26.9  | 40.3  |





#15

Acrylonitrile

Concen: 100.582 ug/l

RT: 2.94 min Scan# 235

Delta R.T. 0.00 min

Lab File: VF061318.D

Acq: 10 Jan 2019 1:16

Instrument :

MSVOA\_F

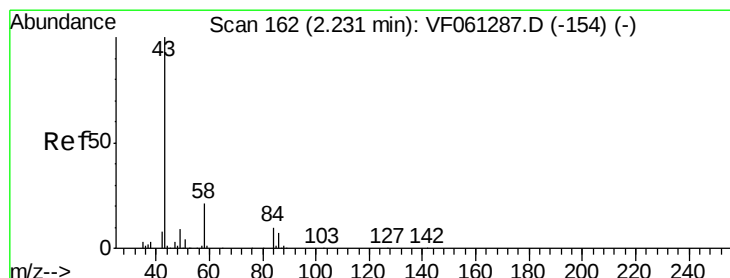
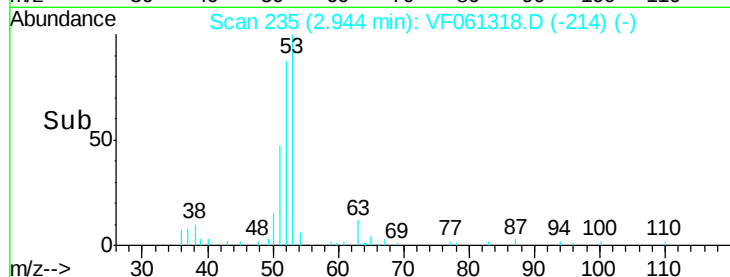
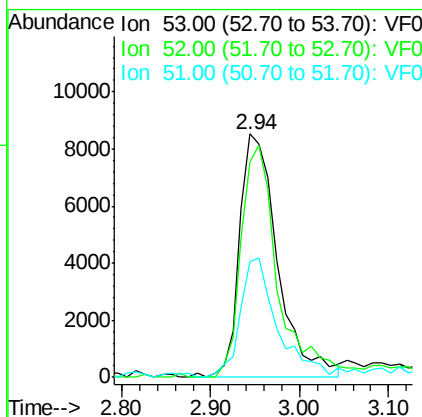
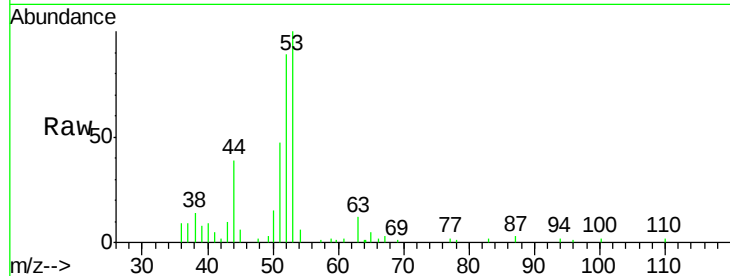
ClientSampleId :

VF0109SBS03

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 25351 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 88.7  | 74.6  | 111.8 |
| 51       | 47.3  | 37.8  | 56.6  |

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#16

Acetone

Concen: 77.240 ug/l

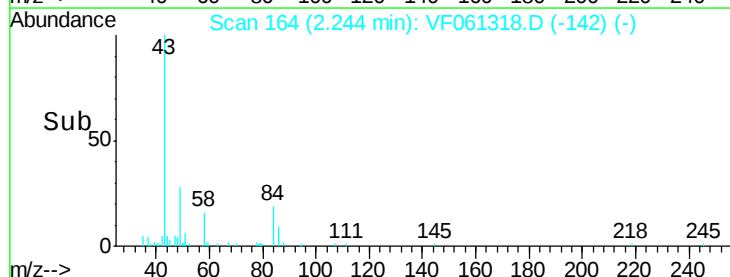
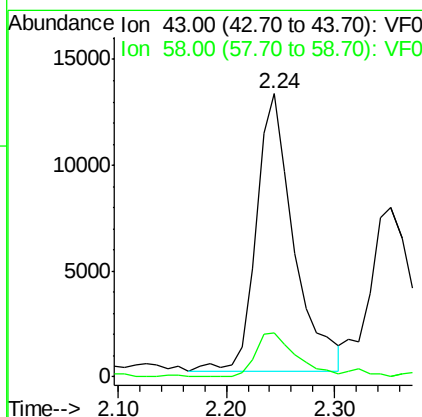
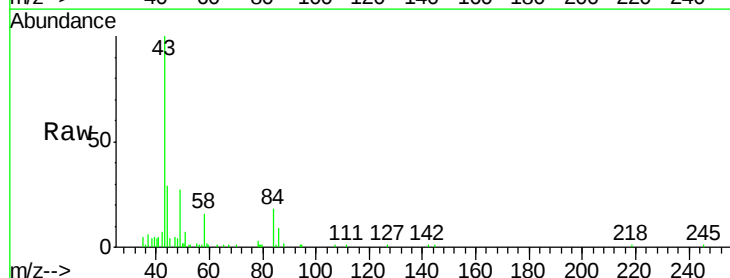
RT: 2.24 min Scan# 164

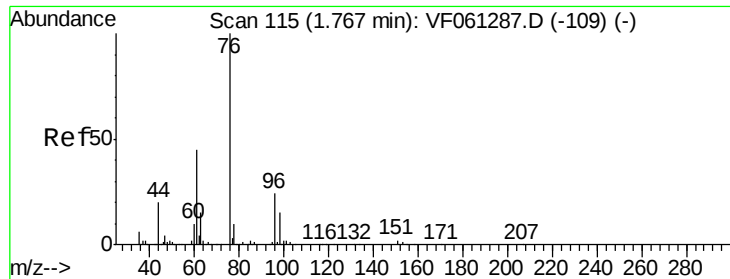
Delta R.T. 0.01 min

Lab File: VF061318.D

Acq: 10 Jan 2019 1:16

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 31907 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 15.6  | 16.6  | 25.0# |





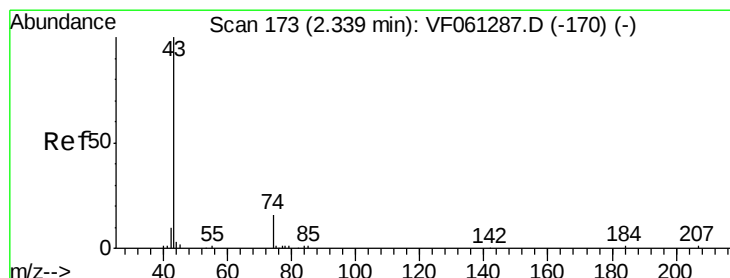
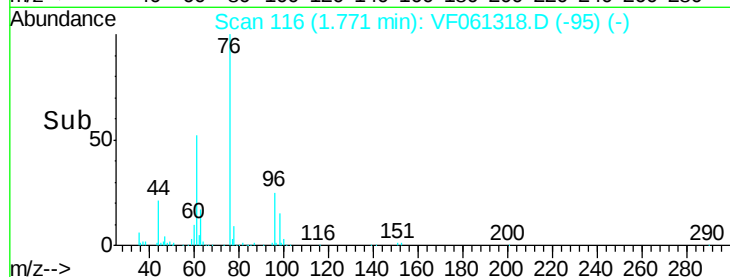
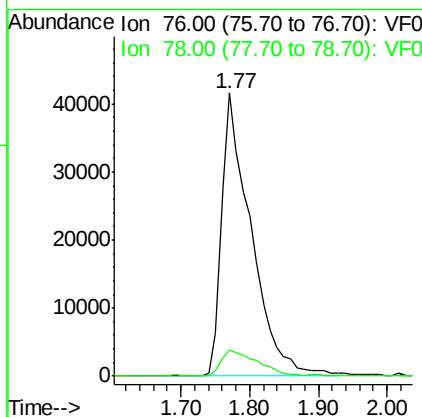
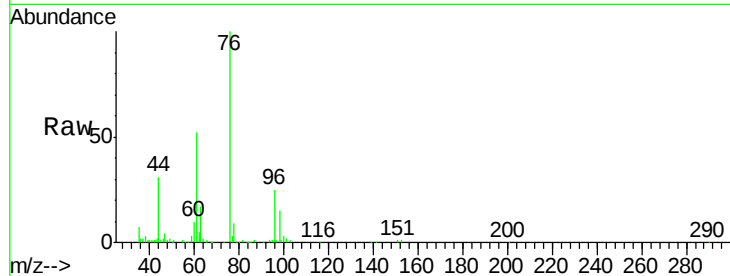
#17  
Carbon Disulfide  
Concen: 22.374 ug/l  
RT: 1.77 min Scan# 116  
Delta R.T. 0.00 min  
Lab File: VF061318.D  
Acq: 10 Jan 2019 1:16

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0109SBS03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.2   | 7.8   | 11.6  |

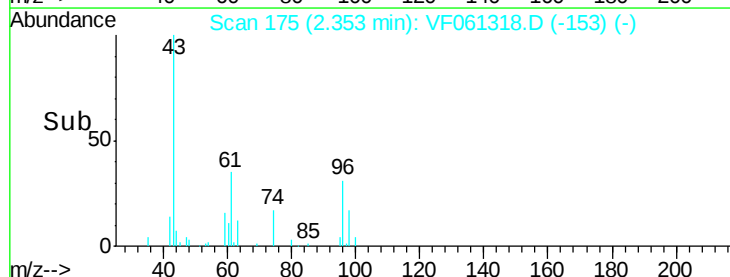
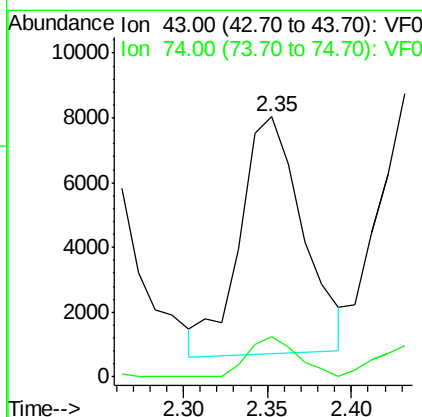
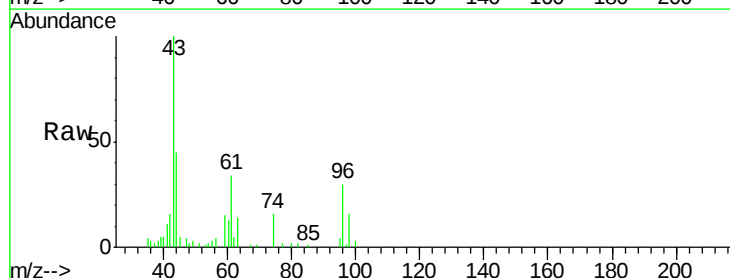
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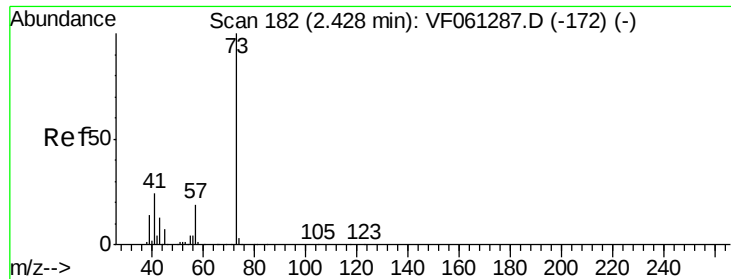
MMDadoda  
1/10/2019 3:32:05 PM



#18  
Methyl Acetate  
Concen: 23.599 ug/l  
RT: 2.35 min Scan# 175  
Delta R.T. 0.01 min  
Lab File: VF061318.D  
Acq: 10 Jan 2019 1:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 15.5  | 11.6  | 17.4  |





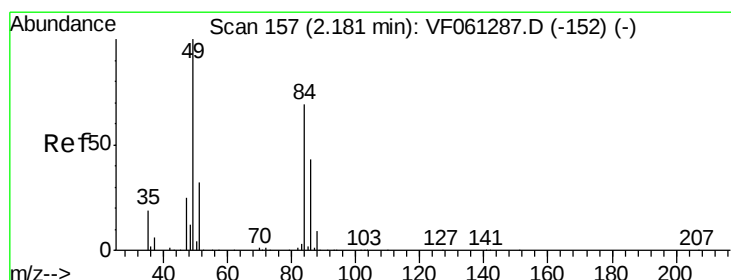
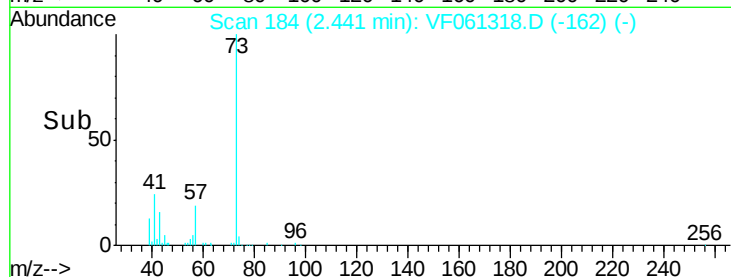
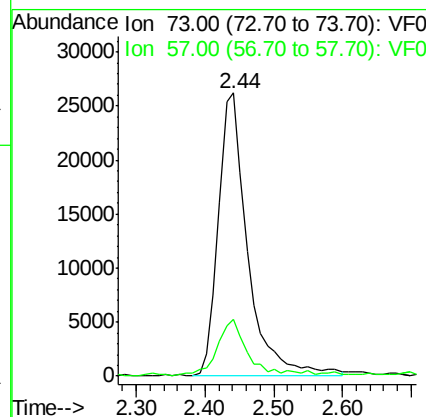
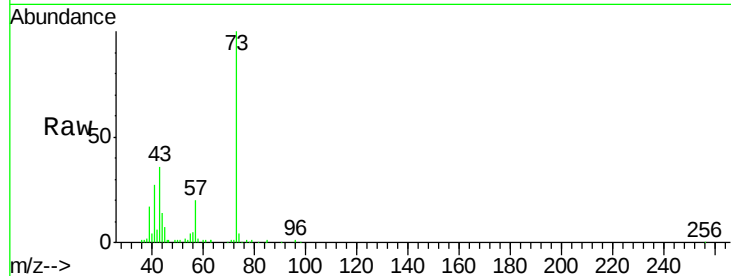
#19  
Methvl tert-butvl Ether  
Concen: 24.380 ug/l  
RT: 2.44 min Scan# 184  
Delta R.T. 0.01 min  
Lab File: VF061318.D  
Acq: 10 Jan 2019 1:16

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0109SBS03

Tot Ion: 73 Resp: 77888  
Ion Ratio Lower Upper  
73 100  
57 19.9 15.5 23.3

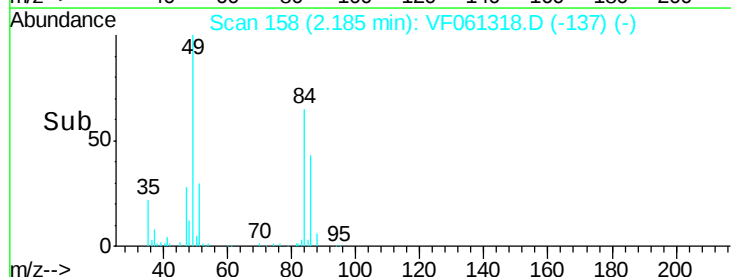
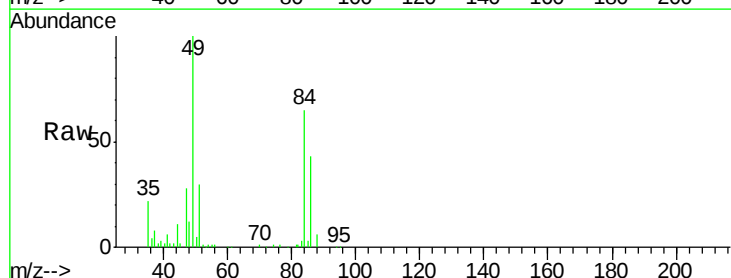
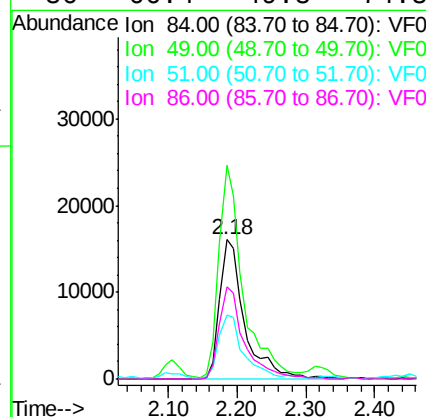
Manual Integrations  
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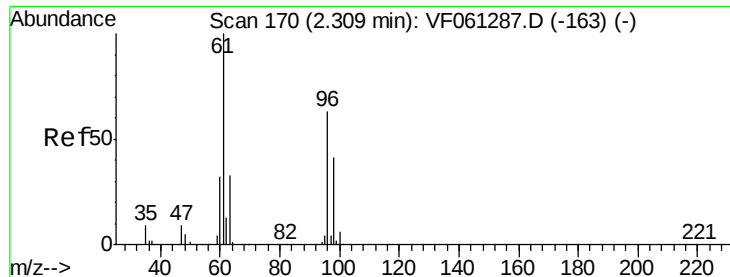
MMDadoda  
1/10/2019 3:32:05 PM



#20  
Methylene Chloride  
Concen: 23.124 ug/l  
RT: 2.18 min Scan# 158  
Delta R.T. 0.00 min  
Lab File: VF061318.D  
Acq: 10 Jan 2019 1:16

Tgt Ion: 84 Resp: 40411  
Ion Ratio Lower Upper  
84 100  
49 153.7 116.6 175.0  
51 46.5 37.7 56.5  
86 66.4 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 22.444 ug/l

RT: 2.32 min Scan# 172

Delta R.T. 0.01 min

Lab File: VF061318.D

Acq: 10 Jan 2019 1:16

Instrument :

MSVOA\_F

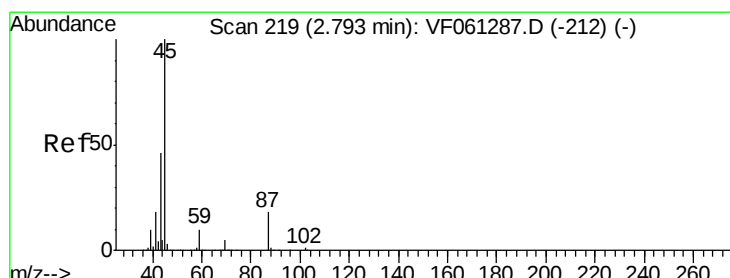
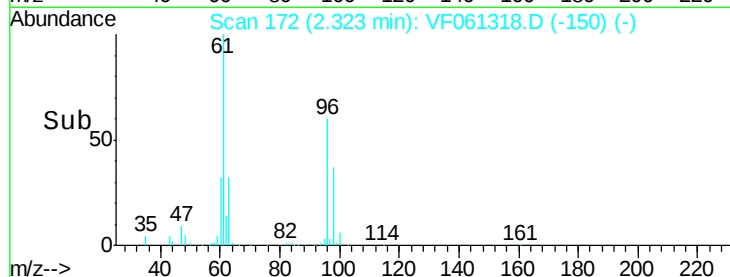
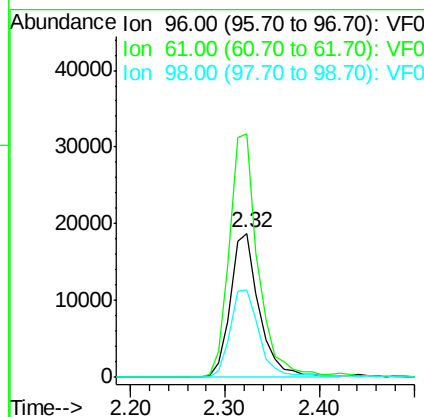
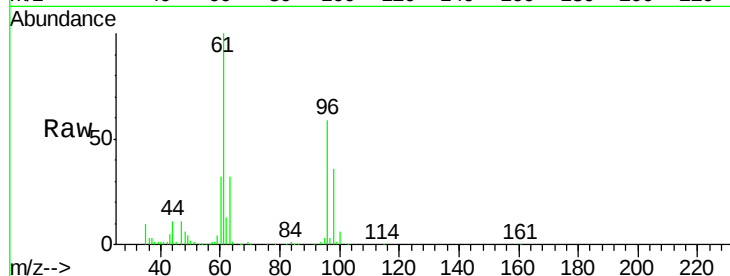
ClientSampleId :

VF0109SBS03

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 39873 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 168.8 | 127.0 | 190.4 |
| 98       | 60.8  | 51.7  | 77.5  |

Manual Integrations  
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MMDadoda  
1/10/2019 3:32:05 PM



#22

Diisopropyl ether

Concen: 20.599 ug/l

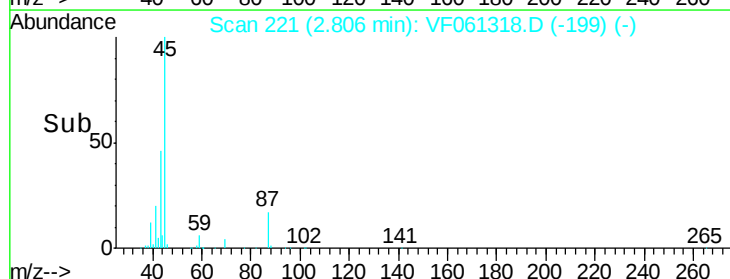
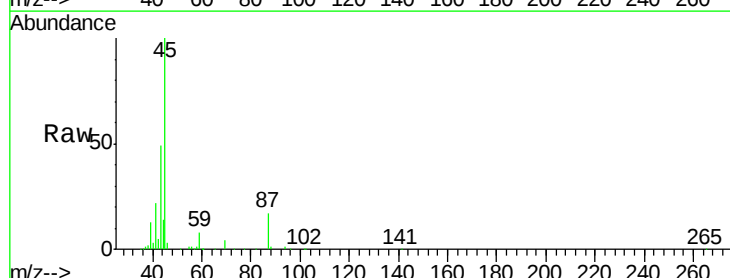
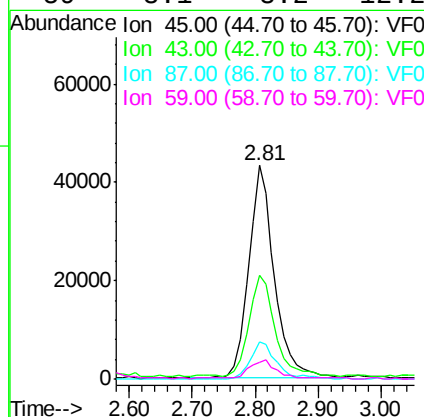
RT: 2.81 min Scan# 221

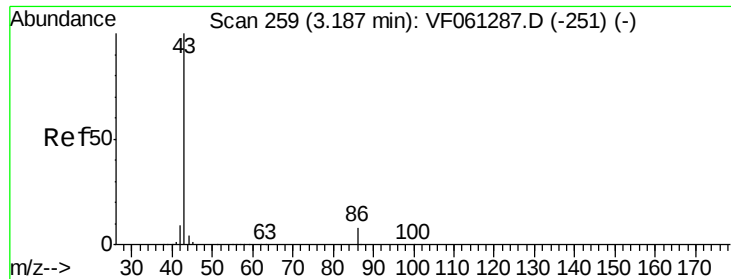
Delta R.T. 0.01 min

Lab File: VF061318.D

Acq: 10 Jan 2019 1:16

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 122121 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 48.5  | 37.4  | 56.2   |
| 87       | 17.2  | 14.2  | 21.2   |
| 59       | 8.1   | 8.2   | 12.2#  |





#23

Vinyl Acetate

Concen: 98.070 ug/l

RT: 3.20 min Scan# 261

Delta R.T. 0.01 min

Lab File: VF061318.D

Acq: 10 Jan 2019 1:16

Instrument :

MSVOA\_F

ClientSampleId :

VF0109SBS03

Tot Ion: 43 Resp: 170032

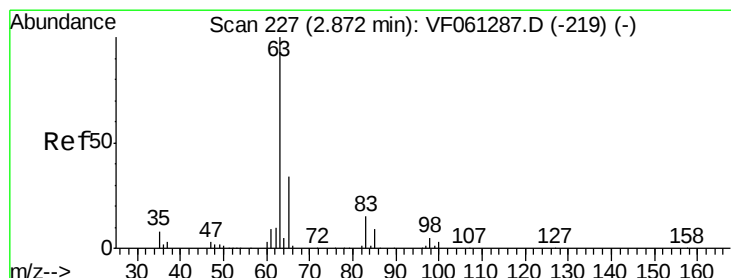
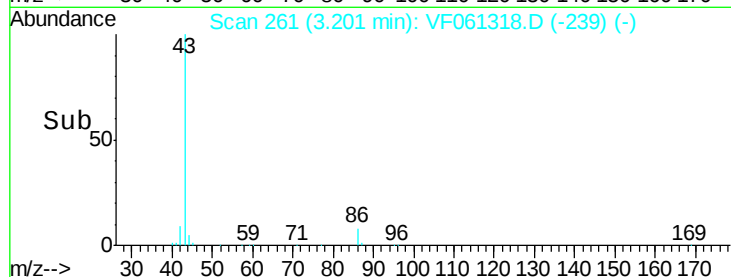
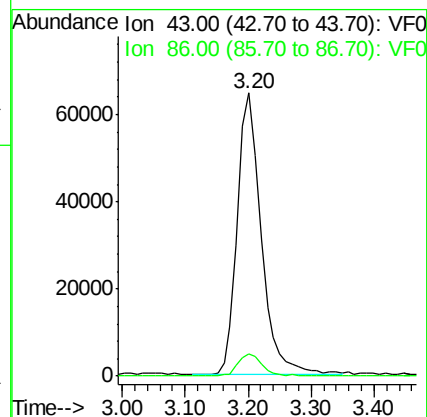
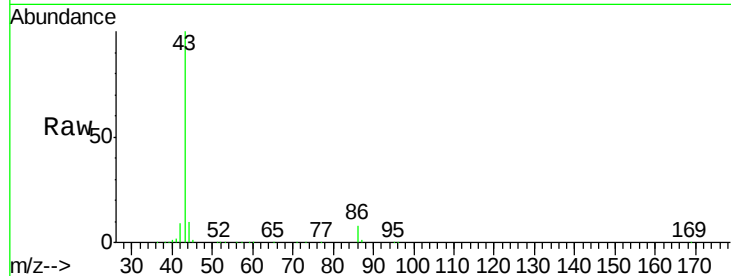
Ion Ratio Lower Upper

43 100

86 8.0 6.5 9.7

Manual Integrations  
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#24

1,1-Dichloroethane

Concen: 22.369 ug/l

RT: 2.89 min Scan# 229

Delta R.T. 0.01 min

Lab File: VF061318.D

Acq: 10 Jan 2019 1:16

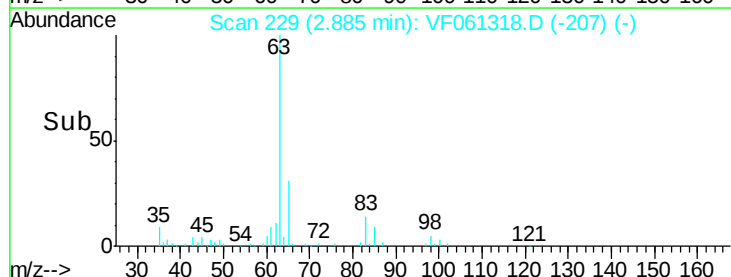
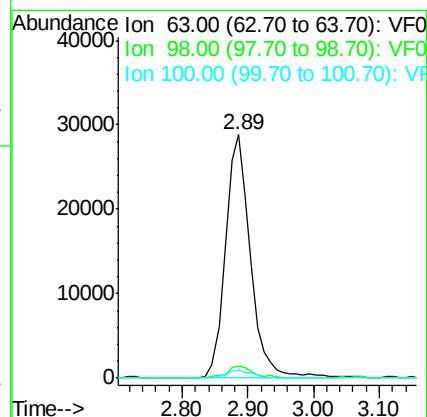
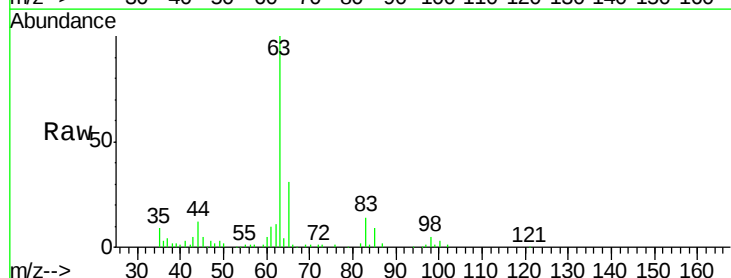
Tgt Ion: 63 Resp: 76714

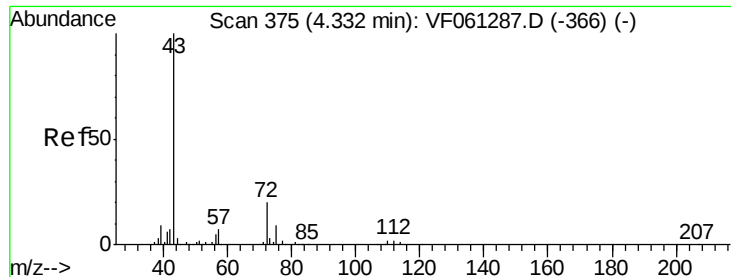
Ion Ratio Lower Upper

63 100

98 5.1 2.5 7.6

100 3.2 1.7 5.0





#25

2-Butanone

Concen: 99.326 ug/l

RT: 4.35 min Scan# 377

Delta R.T. 0.01 min

Lab File: VF061318.D

Acq: 10 Jan 2019 1:16

Instrument :

MSVOA\_F

ClientSampleId :

VF0109SBS03

Tot Ion: 43 Resp: 66038

Ion Ratio Lower Upper

43 100

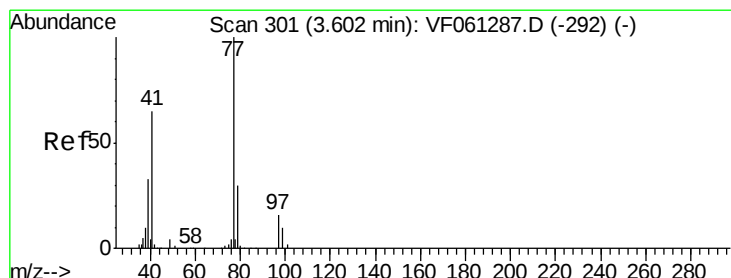
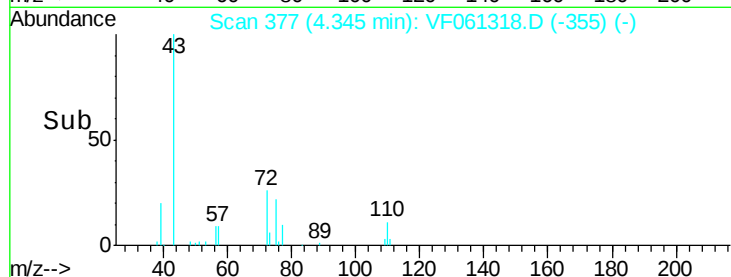
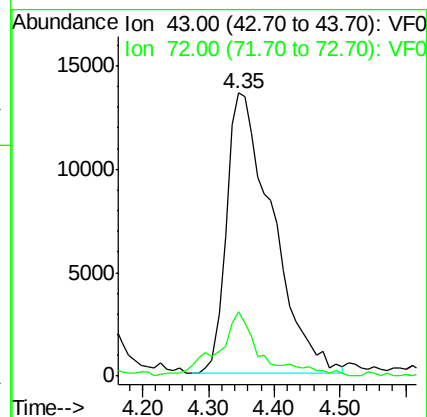
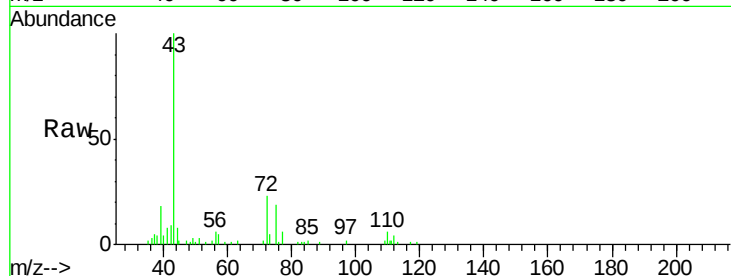
72 22.8 16.5 24.7

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#26

2,2-Dichloropropane

Concen: 22.213 ug/l

RT: 3.62 min Scan# 303

Delta R.T. 0.01 min

Lab File: VF061318.D

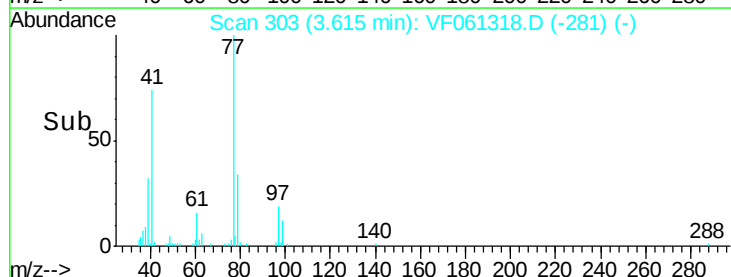
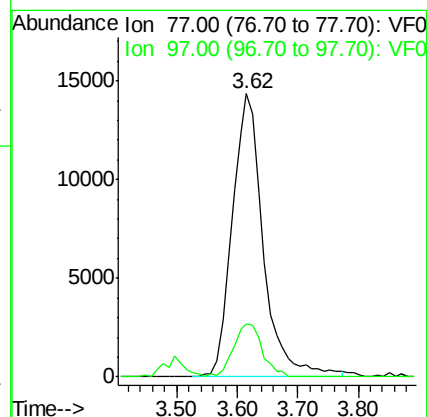
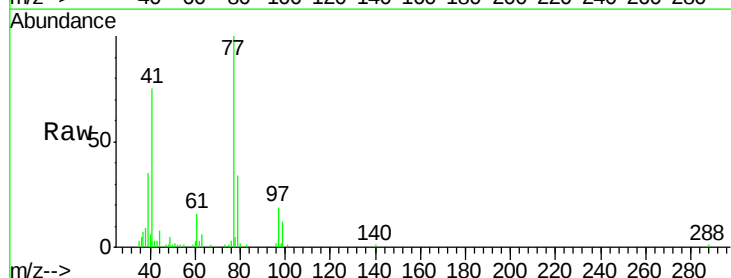
Acq: 10 Jan 2019 1:16

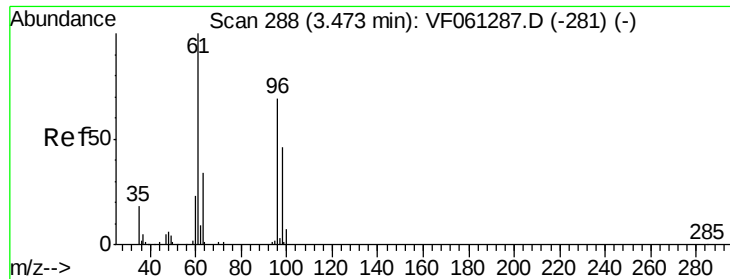
Tgt Ion: 77 Resp: 50904

Ion Ratio Lower Upper

77 100

97 18.6 8.6 25.9





#27

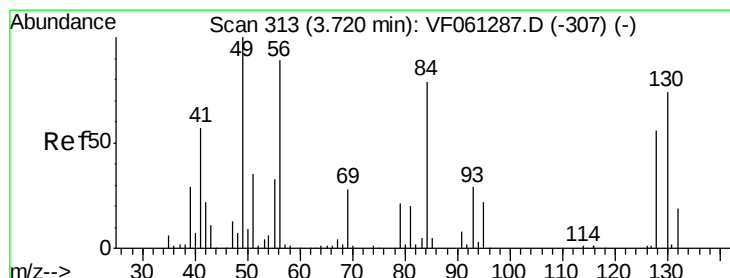
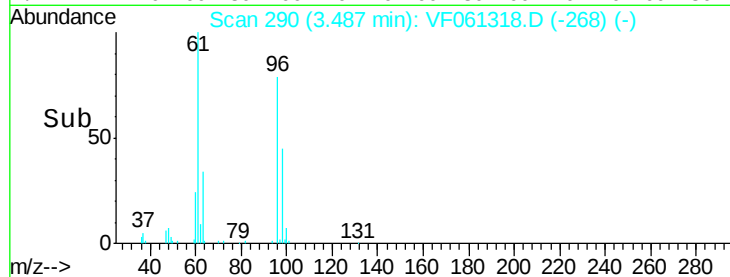
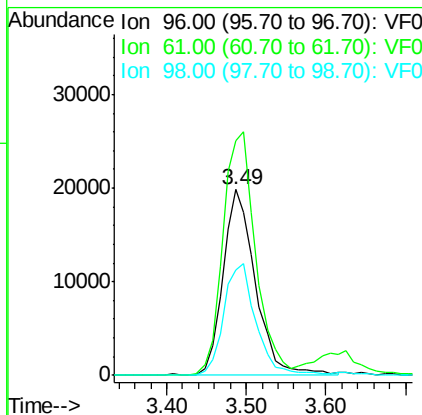
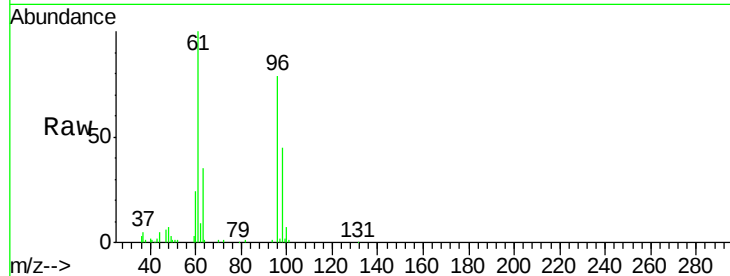
cis-1,2-Dichloroethene  
Concen: 22.878 ug/l  
RT: 3.49 min Scan# 290  
Delta R.T. 0.01 min  
Lab File: VF061318.D  
Acq: 10 Jan 2019 1:16

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0109SBS03

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 96      | 100   | 56747 |       |       |
| 61      | 125.9 |       | 0.0   | 288.2 |
| 98      | 56.8  |       | 0.0   | 132.2 |

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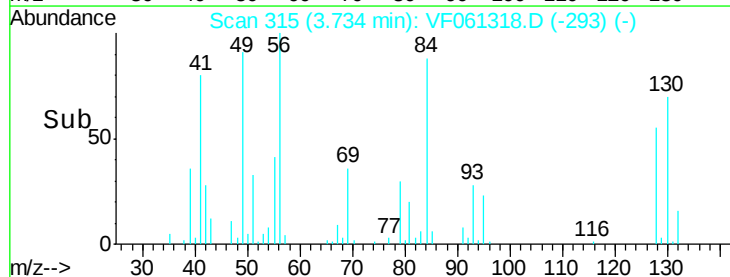
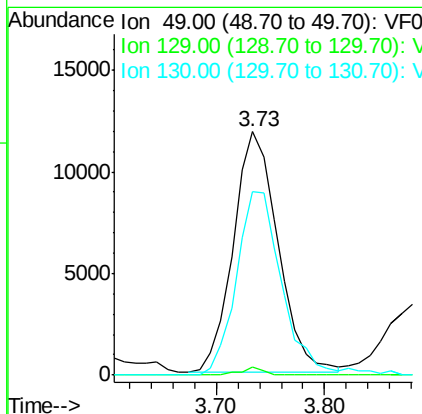
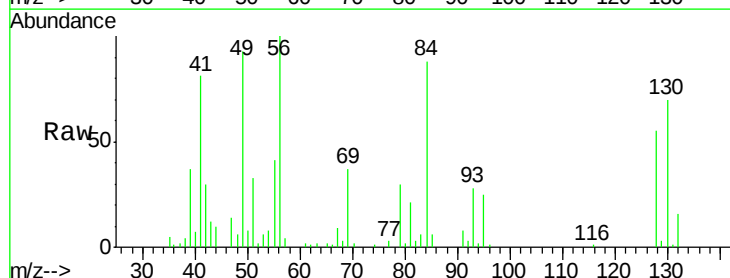
MMDadoda  
1/10/2019 3:32:05 PM

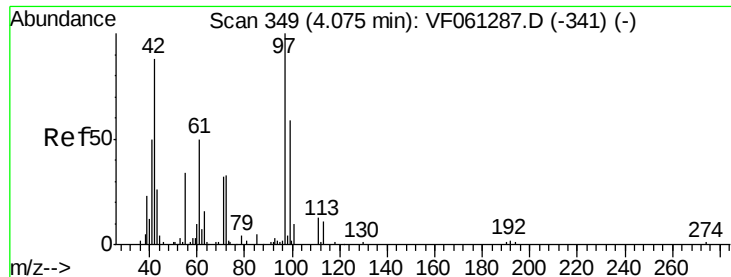


#28

Bromochloromethane  
Concen: 22.749 ug/l  
RT: 3.73 min Scan# 315  
Delta R.T. 0.01 min  
Lab File: VF061318.D  
Acq: 10 Jan 2019 1:16

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 49      | 100   | 34398 |       |       |
| 129     | 3.6   |       | 0.0   | 0.0#  |
| 130     | 75.2  |       | 58.6  | 88.0  |





#29

Tetrahydrofuran

Concen: 109.128 ug/l

RT: 4.09 min Scan# 351

Delta R.T. 0.01 min

Lab File: VF061318.D

Acq: 10 Jan 2019 1:16

Instrument :

MSVOA\_F

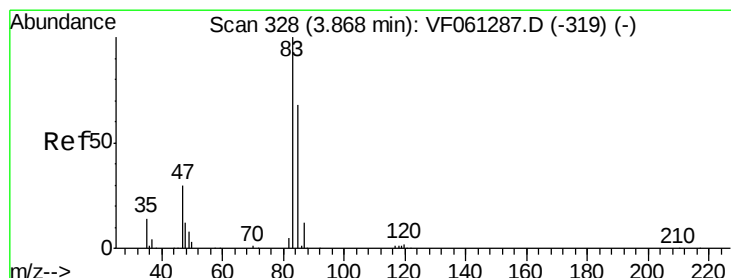
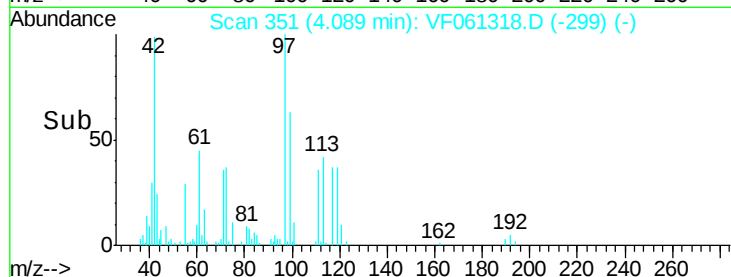
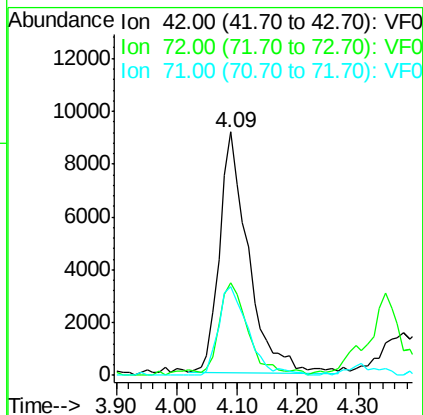
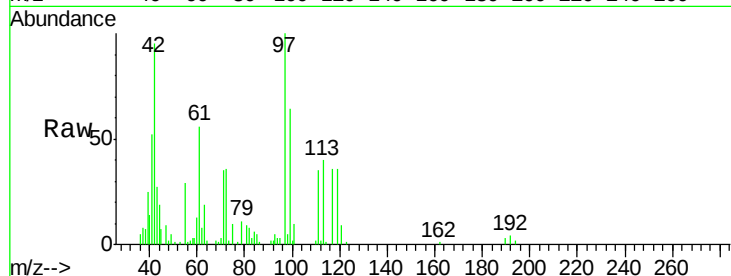
ClientSampleId :

VF0109SBS03

|           |      |       |       |
|-----------|------|-------|-------|
| Tot Ion:  | 42   | Resp: | 30336 |
| Ion Ratio |      | Lower | Upper |
| 42        | 100  |       |       |
| 72        | 38.4 | 32.3  | 48.5  |
| 71        | 37.9 | 29.5  | 44.3  |

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#30

Chloroform

Concen: 23.065 ug/l

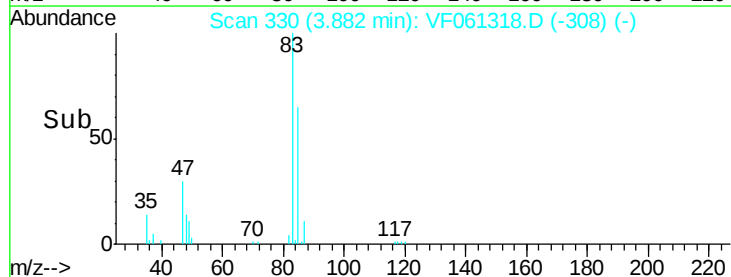
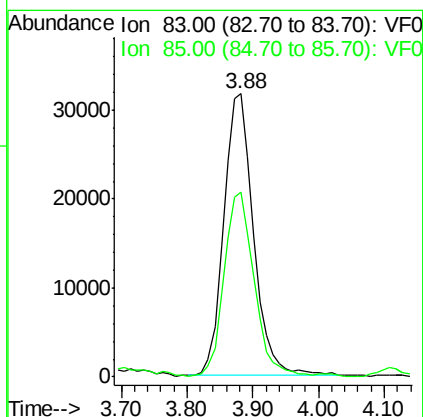
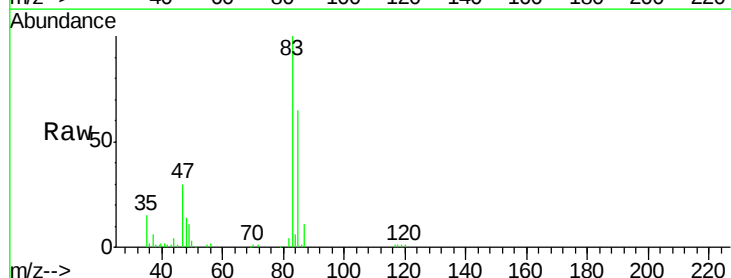
RT: 3.88 min Scan# 330

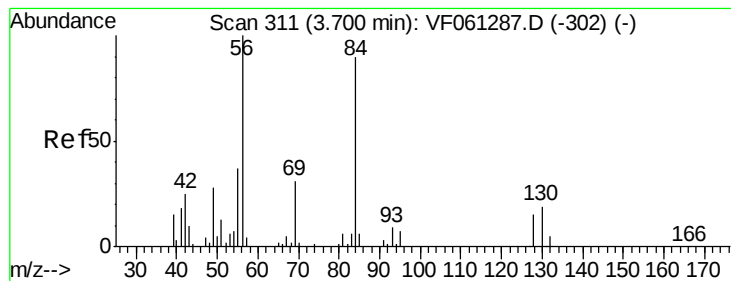
Delta R.T. 0.01 min

Lab File: VF061318.D

Acq: 10 Jan 2019 1:16

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 83   | Resp: | 100412 |
| Ion Ratio |      | Lower | Upper  |
| 83        | 100  |       |        |
| 85        | 65.2 | 54.4  | 81.6   |





#31

Cyclohexane

Concen: 23.702 ug/l

RT: 3.70 min Scan# 312

Delta R.T. 0.00 min

Lab File: VF061318.D

Acq: 10 Jan 2019 1:16

Instrument :

MSVOA\_F

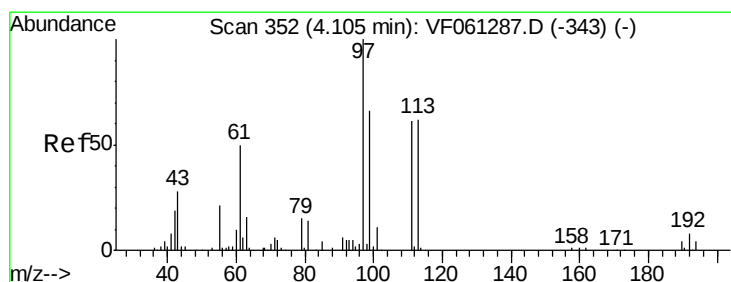
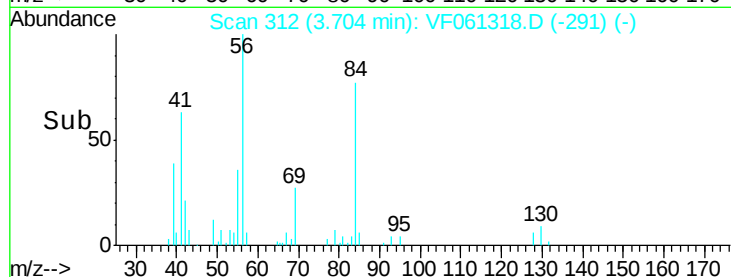
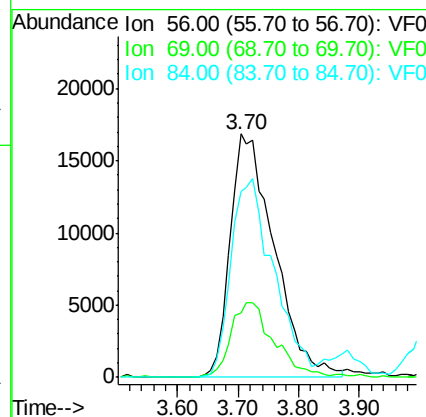
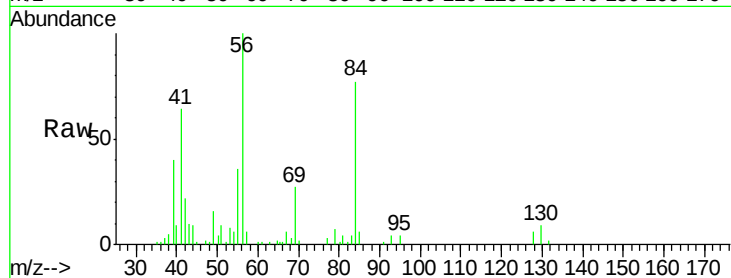
ClientSampleId :

VF0109SBS03

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 56    | Resp: | 85274 |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 26.6  | 24.7  | 37.1  |
| 84       | 76.6  | 72.2  | 108.4 |

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#32

1,1,1-Trichloroethane

Concen: 24.066 ug/l

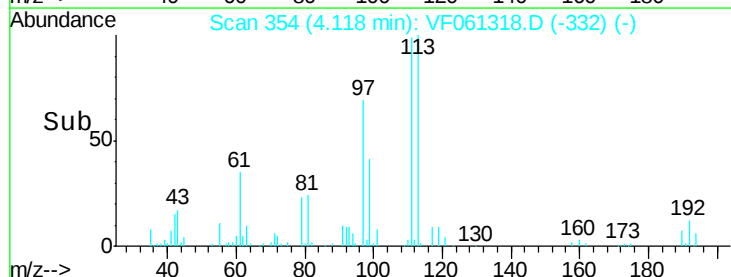
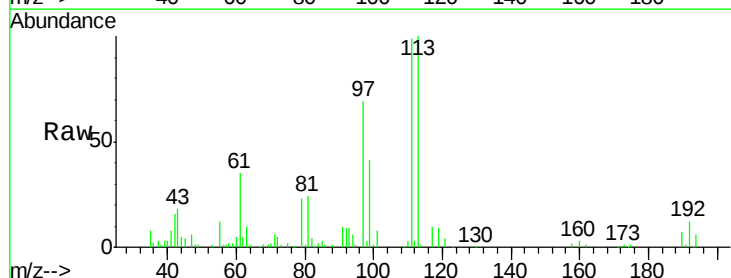
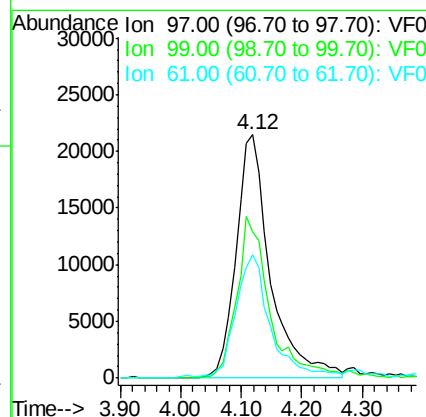
RT: 4.12 min Scan# 354

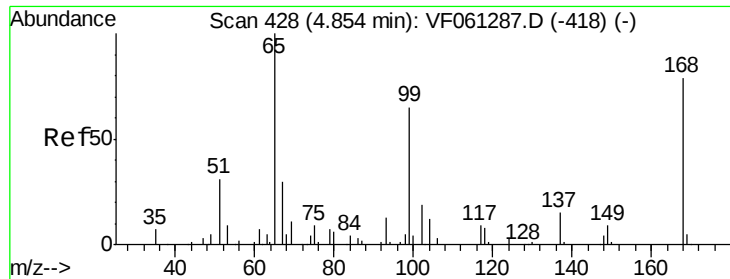
Delta R.T. 0.01 min

Lab File: VF061318.D

Acq: 10 Jan 2019 1:16

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 84624 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 60.2  | 52.7  | 79.1  |
| 61       | 50.5  | 40.8  | 61.2  |





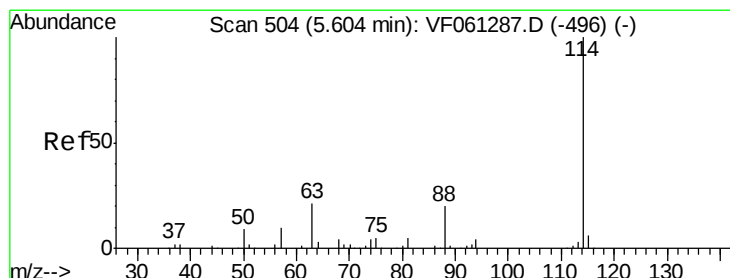
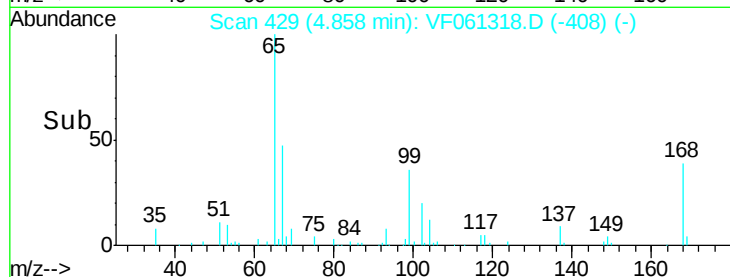
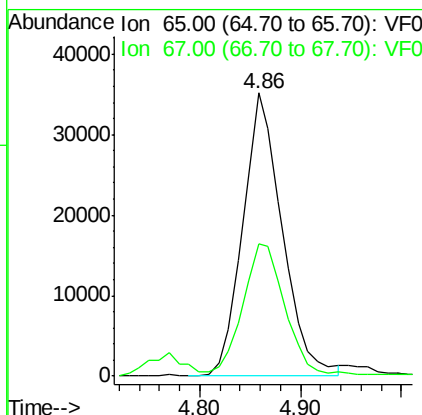
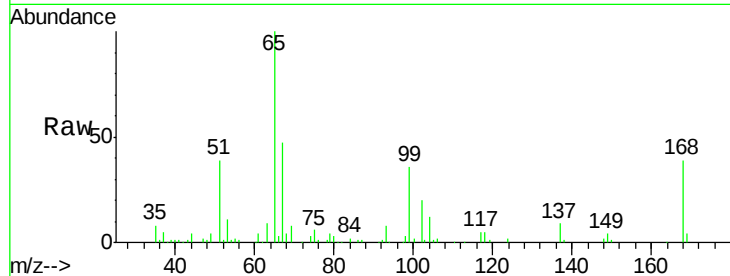
#33  
 1,2-Dichloroethane-d4  
 Concen: 53.982 ug/l  
 RT: 4.86 min Scan# 429  
 Delta R.T. 0.00 min  
 Lab File: VF061318.D  
 Acq: 10 Jan 2019 1:16

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0109SBS03

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 65      | 100   |            |       |
| 67      | 46.9  | 0.0        | 98.2  |

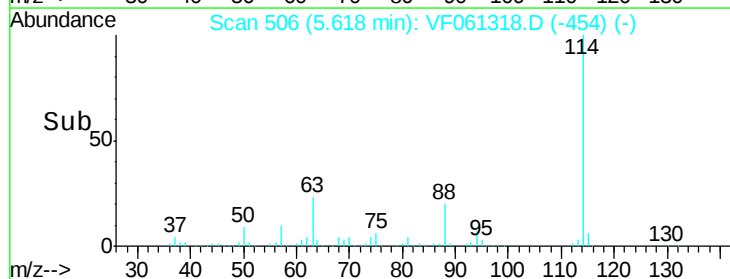
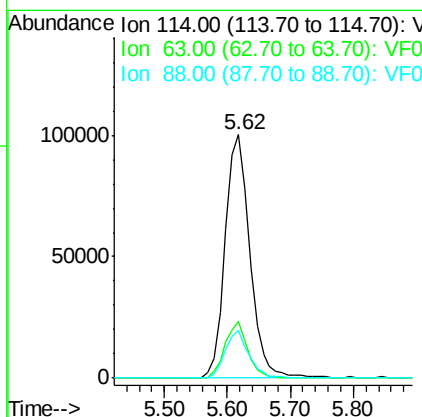
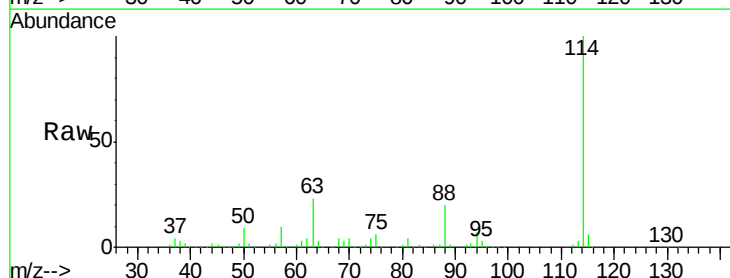
Manual Integrations  
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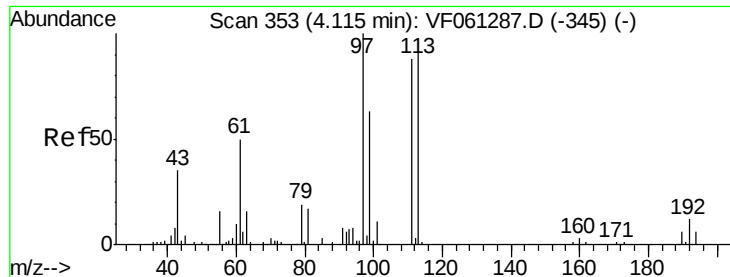
MMDadoda  
 1/10/2019 3:32:05 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.62 min Scan# 506  
 Delta R.T. 0.01 min  
 Lab File: VF061318.D  
 Acq: 10 Jan 2019 1:16

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 114     | 100   |            |       |
| 63      | 23.1  | 0.0        | 42.8  |
| 88      | 19.7  | 0.0        | 40.0  |





#35

Dibromofluoromethane

Concen: 56.758 ug/l

RT: 4.13 min Scan# 355

Delta R.T. 0.01 min

Lab File: VF061318.D

Acq: 10 Jan 2019 1:16

Instrument :

MSVOA\_F

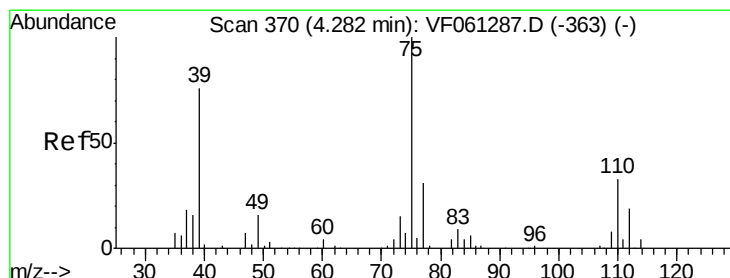
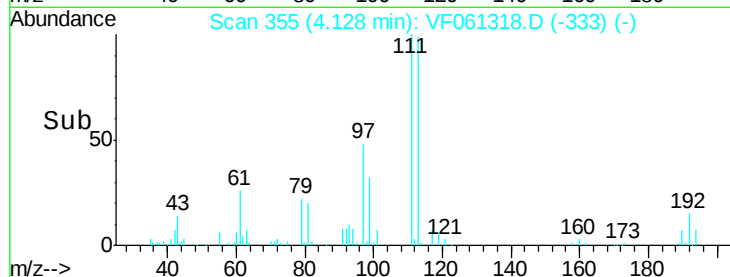
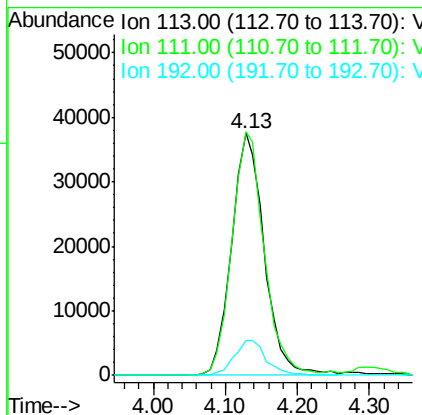
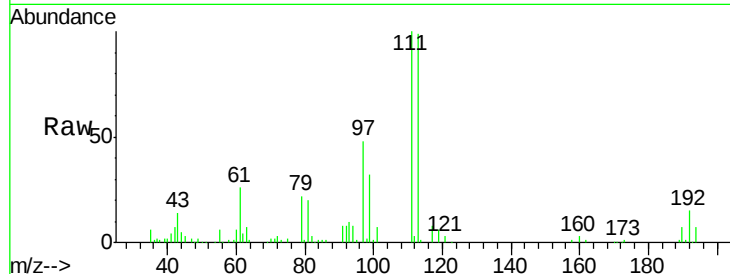
ClientSampleId :

VF0109SBS03

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 118740 |       |       |
| 111     | 100.7 | 78.0   | 117.0 |       |
| 192     | 14.6  | 10.6   | 16.0  |       |

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#36

1,1-Dichloropropene

Concen: 20.432 ug/l

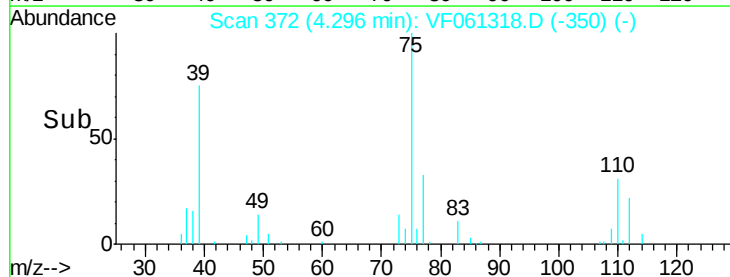
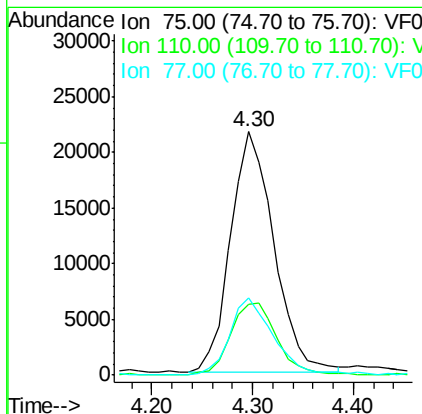
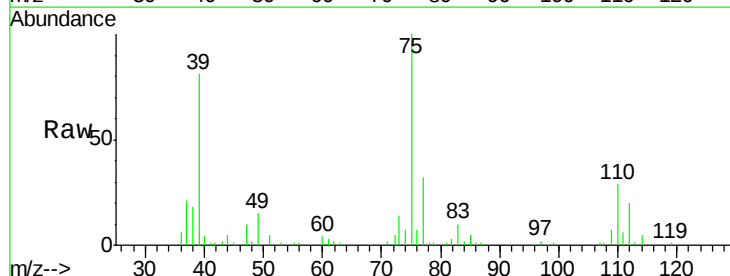
RT: 4.30 min Scan# 372

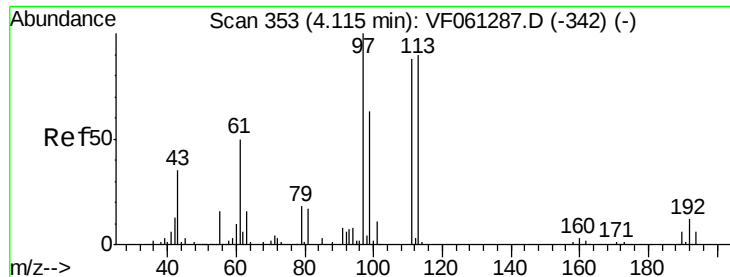
Delta R.T. 0.01 min

Lab File: VF061318.D

Acq: 10 Jan 2019 1:16

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 65236 |       |       |
| 110     | 29.3  | 16.6  | 49.8  |       |
| 77      | 31.6  | 25.1  | 37.7  |       |





#37

Ethyl Acetate

Concen: 19.461 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.00 min

Lab File: VF061318.D

Acq: 10 Jan 2019 1:16

Instrument :

MSVOA\_F

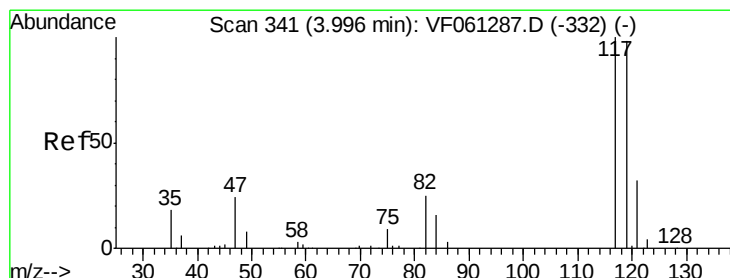
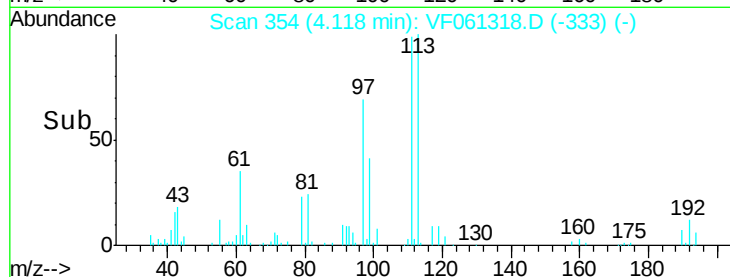
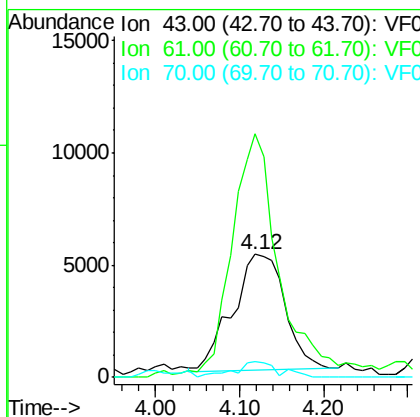
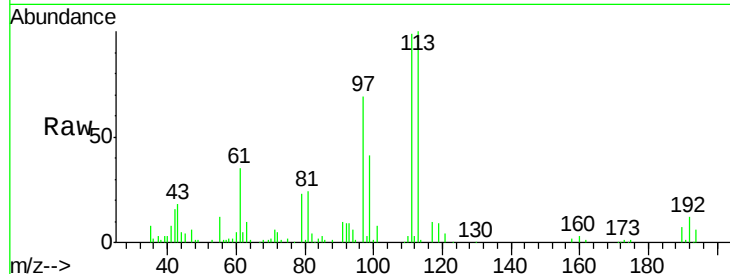
ClientSampleId :

VF0109SBS03

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 22627  |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 198.0 | 113.3 | 169.9# |
| 70       | 13.0  | 9.4   | 14.0   |

Manual Integrations  
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#38

Carbon Tetrachloride

Concen: 23.905 ug/l

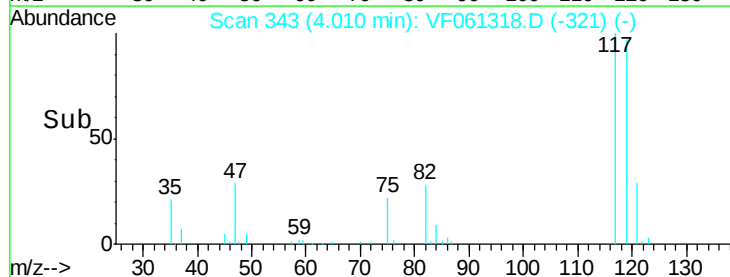
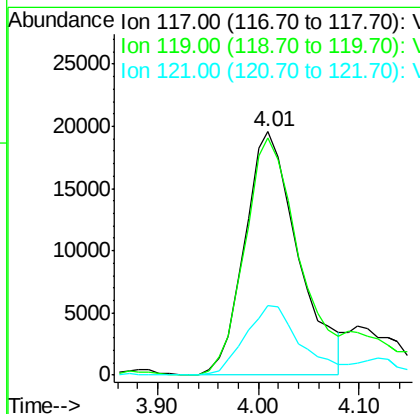
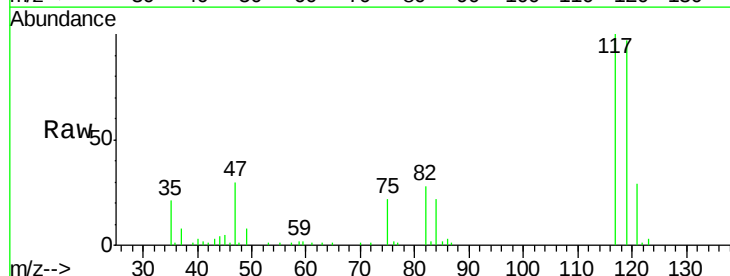
RT: 4.01 min Scan# 343

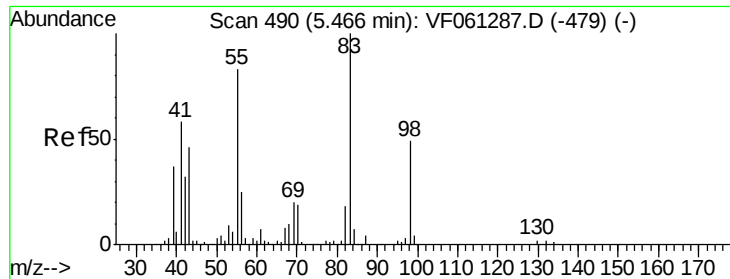
Delta R.T. 0.01 min

Lab File: VF061318.D

Acq: 10 Jan 2019 1:16

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 72286 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 97.4  | 78.5  | 117.7 |
| 121      | 28.7  | 25.3  | 37.9  |





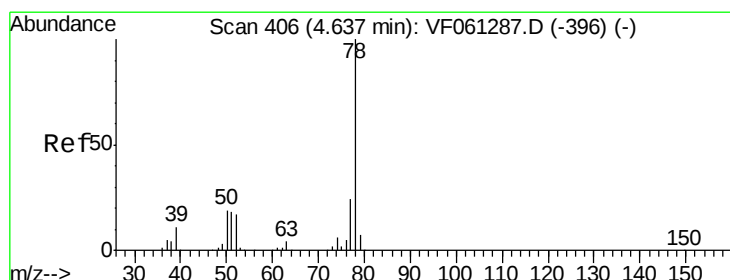
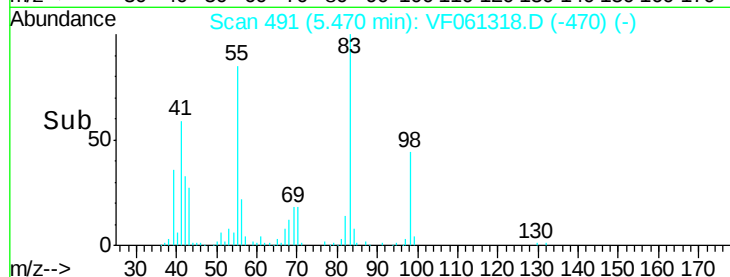
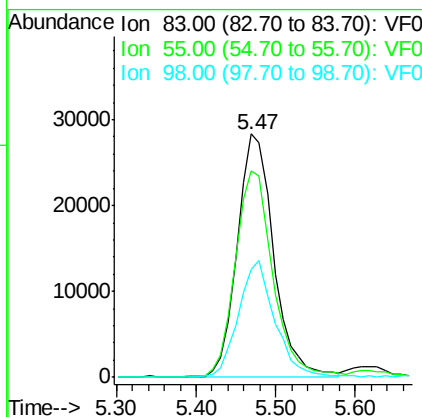
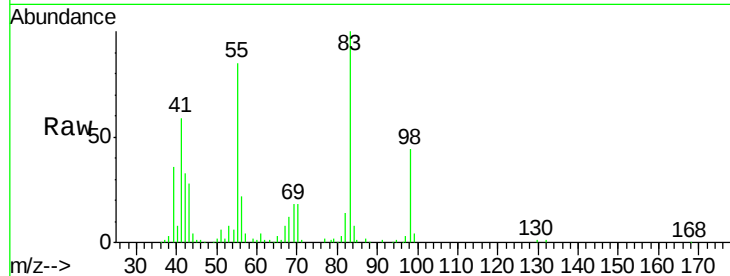
#39  
Methvlcvclohexane  
Concen: 22.486 ug/l  
RT: 5.47 min Scan# 491  
Delta R.T. 0.00 min  
Lab File: VF061318.D  
Acq: 10 Jan 2019 1:16

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0109SBS03

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 83      | 100   |      |       |       |
| 55      | 84.6  | 66.4 | 99.6  |       |
| 98      | 44.4  | 39.1 | 58.7  |       |

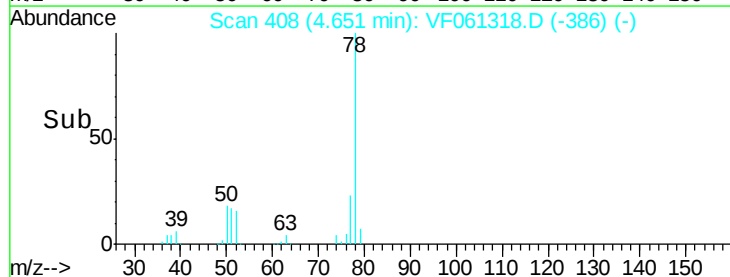
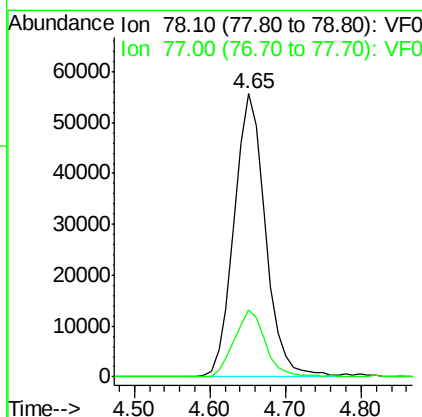
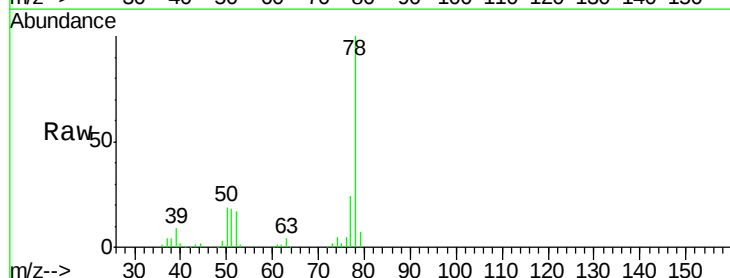
Manual Integrations  
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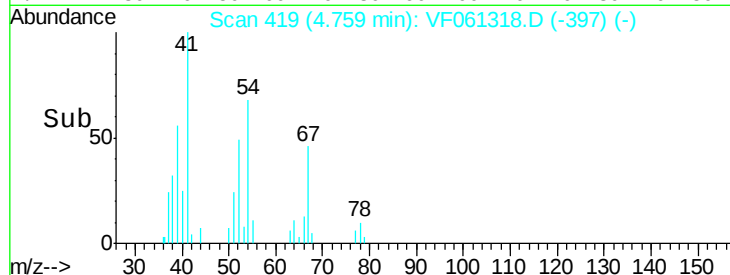
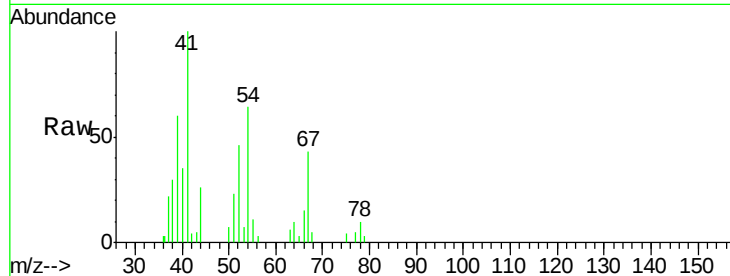
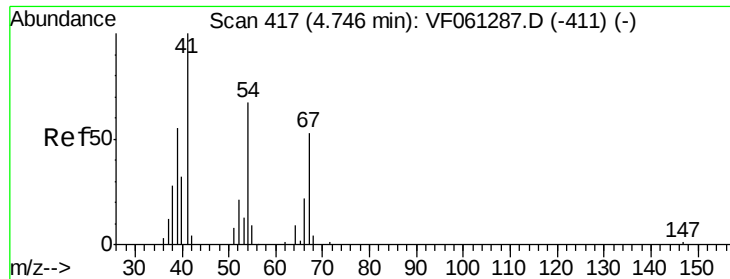
MMDadoda  
1/10/2019 3:32:05 PM



#40  
Benzene  
Concen: 21.482 ug/l  
RT: 4.65 min Scan# 408  
Delta R.T. 0.01 min  
Lab File: VF061318.D  
Acq: 10 Jan 2019 1:16

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 78      | 100   |      |       |       |
| 77      | 23.7  | 19.1 | 28.7  |       |





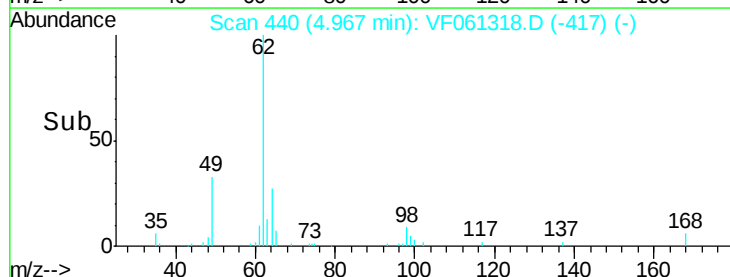
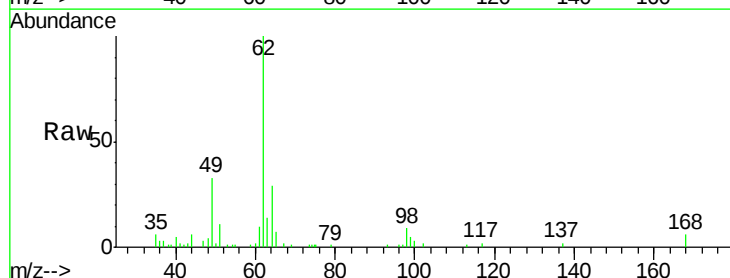
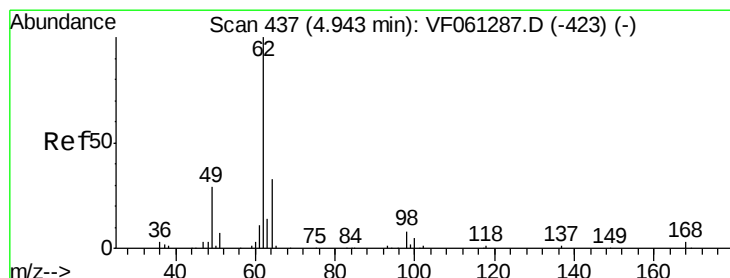
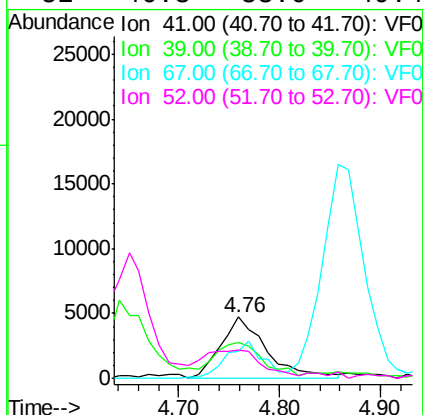
#41  
Methacrylonitrile  
Concen: 23.002 ug/l  
RT: 4.76 min Scan# 419  
Delta R.T. 0.01 min  
Lab File: VF061318.D  
Acq: 10 Jan 2019 1:16

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 41      | 100  |       |      |       |       |
| 39      | 59.7 | 52.7  | 79.1 |       |       |
| 67      | 43.2 | 41.4  | 62.2 |       |       |
| 52      | 46.3 | 33.0  | 49.4 |       |       |

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0109SBS03

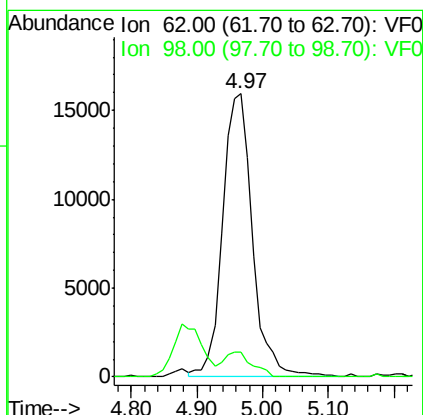
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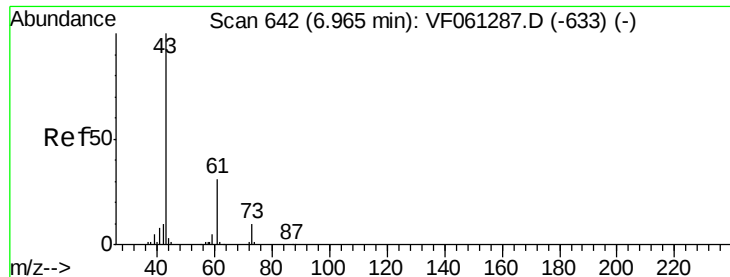
MMDadoda  
1/10/2019 3:32:05 PM



#42  
1,2-Dichloroethane  
Concen: 21.862 ug/l  
RT: 4.97 min Scan# 440  
Delta R.T. 0.02 min  
Lab File: VF061318.D  
Acq: 10 Jan 2019 1:16

| Tgt Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 62      | 100 |       |      |       |       |
| 98      | 8.9 | 0.0   | 16.8 |       |       |





#43

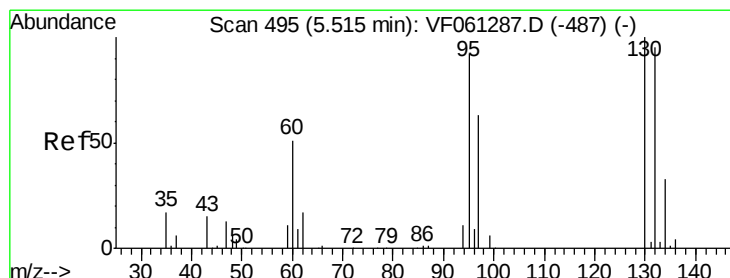
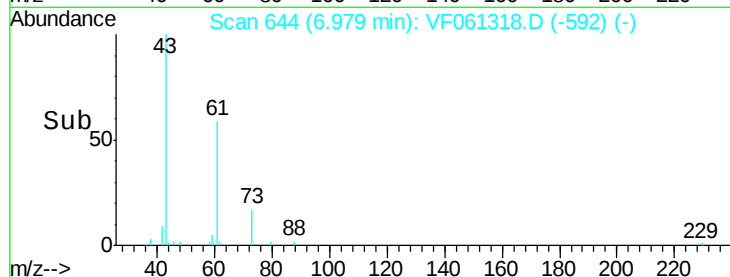
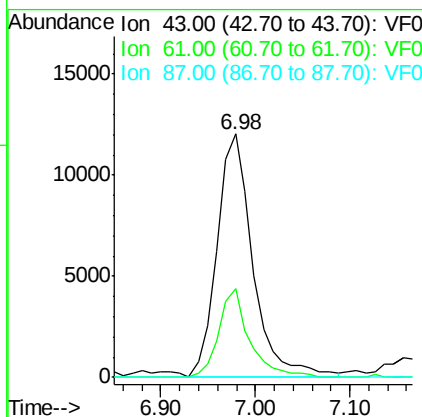
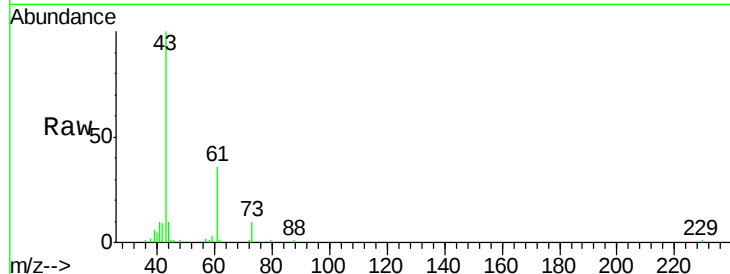
Isopropyl Acetate  
 Concen: 20.571 ug/l  
 RT: 6.98 min Scan# 644  
 Delta R.T. 0.01 min  
 Lab File: VF061318.D  
 Acq: 10 Jan 2019 1:16

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0109SBS03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 36.2  | 24.3  | 36.5  |
| 87      | 0.0   | 0.2   | 0.4   |

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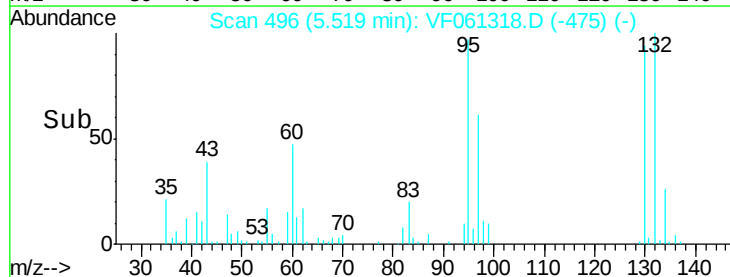
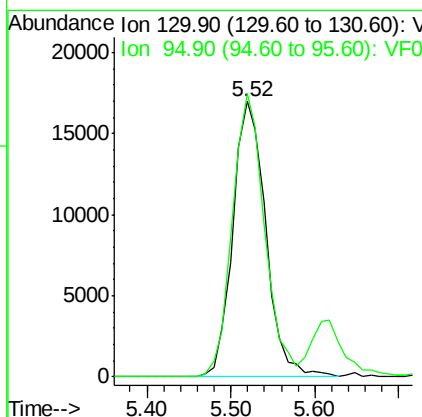
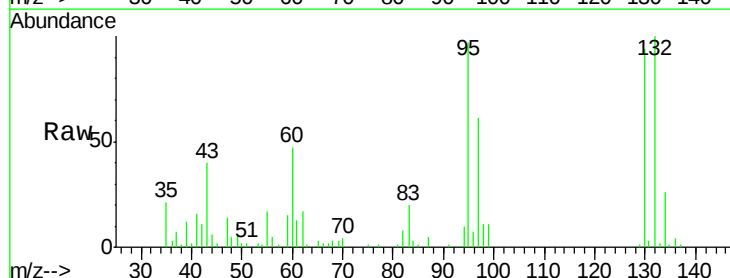
MMDadoda  
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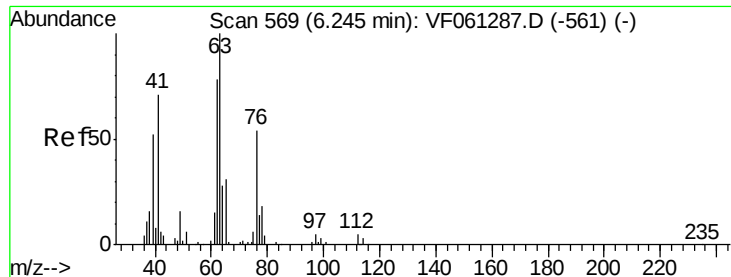


#44

Trichloroethene  
 Concen: 21.178 ug/l  
 RT: 5.52 min Scan# 496  
 Delta R.T. 0.00 min  
 Lab File: VF061318.D  
 Acq: 10 Jan 2019 1:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 102.9 | 0.0   | 184.4 |





#45

1,2-Dichloropropane

Concen: 21.109 ug/l

RT: 6.26 min Scan# 571

Delta R.T. 0.01 min

Lab File: VF061318.D

Acq: 10 Jan 2019 1:16

Instrument :

MSVOA\_F

ClientSampleId :

VF0109SBS03

Tot Ion: 63 Resp: 40013

Ion Ratio Lower Upper

63 100

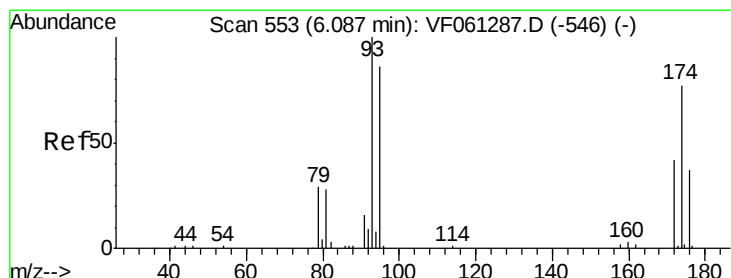
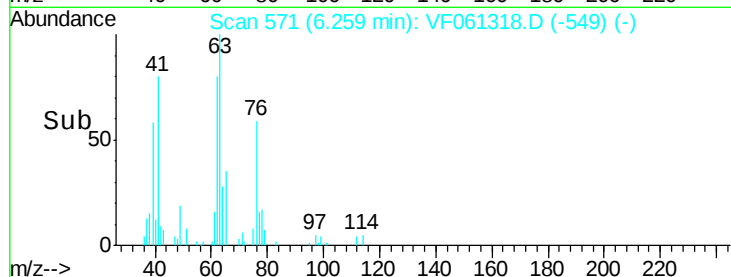
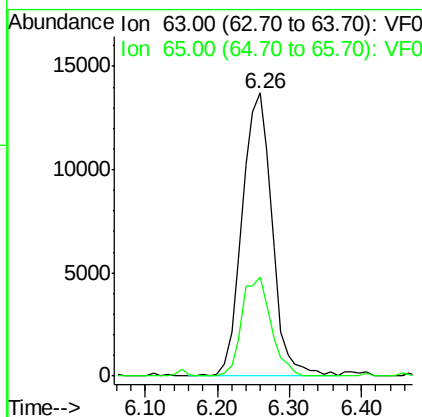
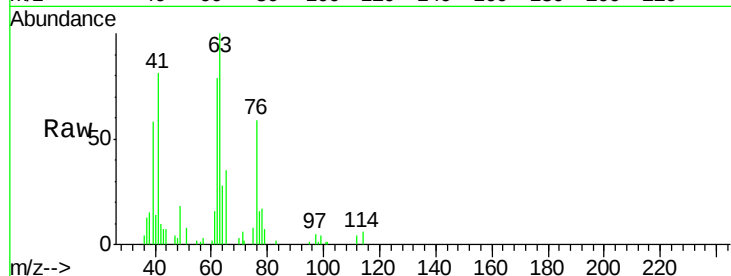
65 34.8 25.1 37.7

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#46

Dibromomethane

Concen: 21.974 ug/l

RT: 6.10 min Scan# 555

Delta R.T. 0.01 min

Lab File: VF061318.D

Acq: 10 Jan 2019 1:16

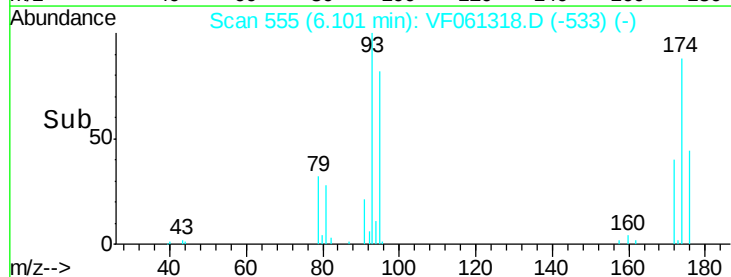
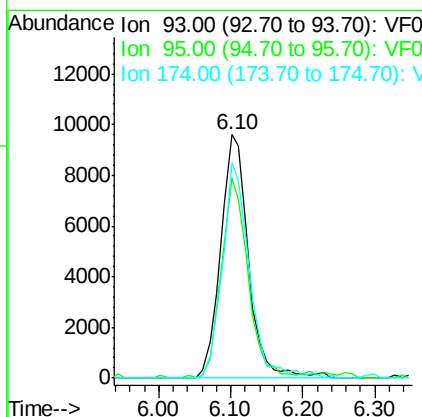
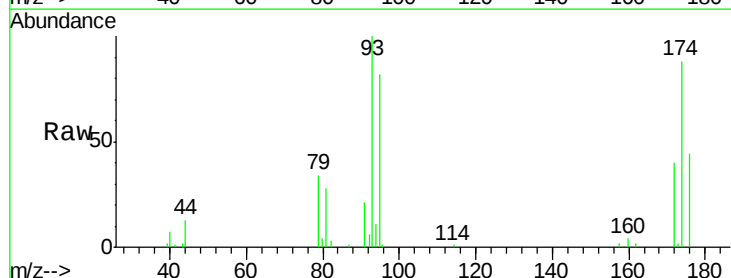
Tgt Ion: 93 Resp: 25574

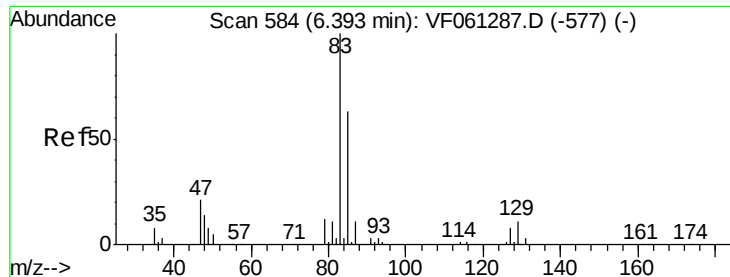
Ion Ratio Lower Upper

93 100

95 83.3 68.8 103.2

174 88.5 62.9 94.3





#47

Bromodichloromethane

Concen: 20.874 ug/l

RT: 6.40 min Scan# 585

Delta R.T. 0.00 min

Lab File: VF061318.D

Acq: 10 Jan 2019 1:16

Instrument :

MSVOA\_F

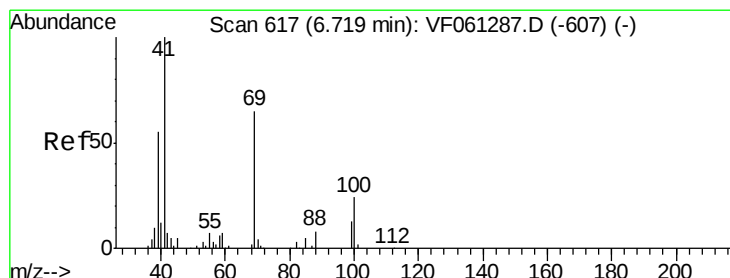
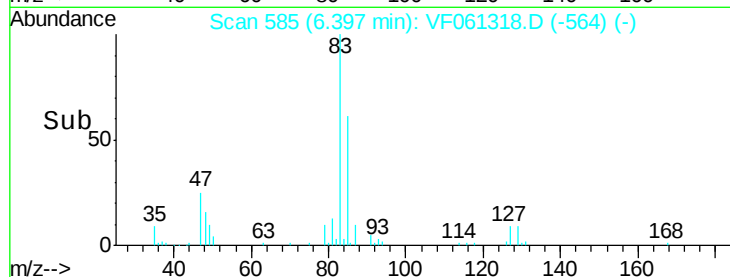
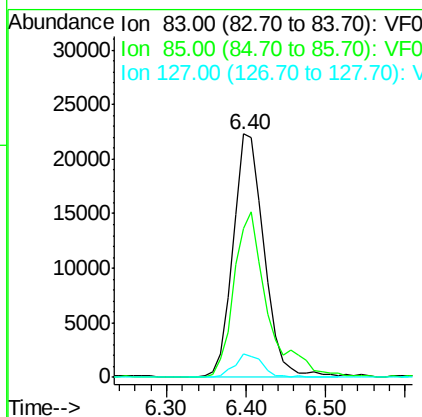
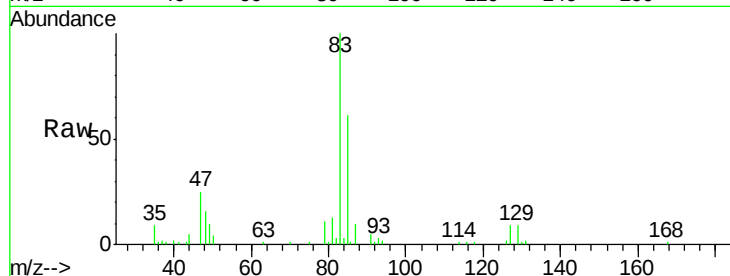
ClientSampleId :

VF0109SBS03

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 60421 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 62.5  | 50.4  | 75.6  |
| 127      | 9.5   | 6.4   | 9.6   |

Manual Integrations  
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#48

Methyl methacrylate

Concen: 23.561 ug/l

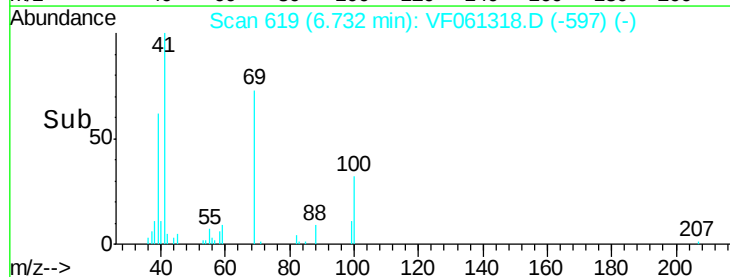
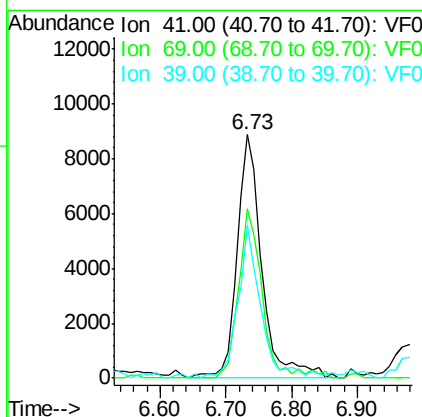
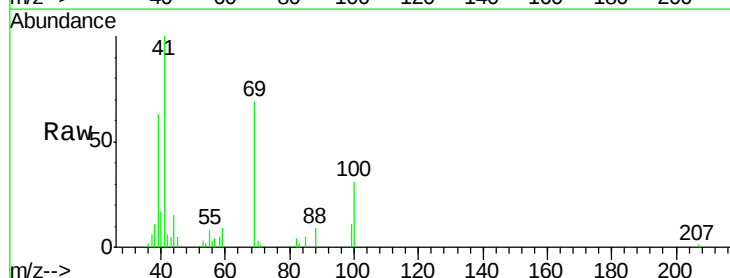
RT: 6.73 min Scan# 619

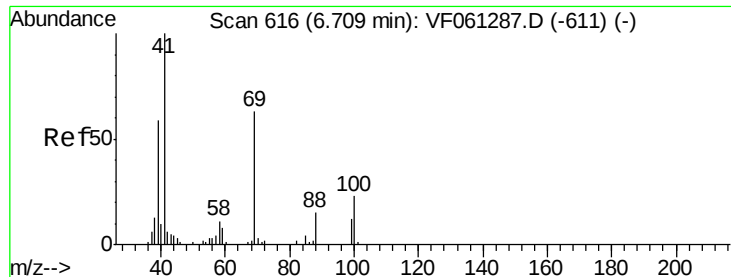
Delta R.T. 0.01 min

Lab File: VF061318.D

Acq: 10 Jan 2019 1:16

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 23476 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 69.5  | 51.5  | 77.3  |
| 39       | 62.9  | 44.1  | 66.1  |





#49

1,4-Dioxane

Concen: 325.593 ug/l

RT: 6.73 min Scan# 619

Delta R.T. 0.02 min

Lab File: VF061318.D

Acq: 10 Jan 2019 1:16

Instrument :

MSVOA\_F

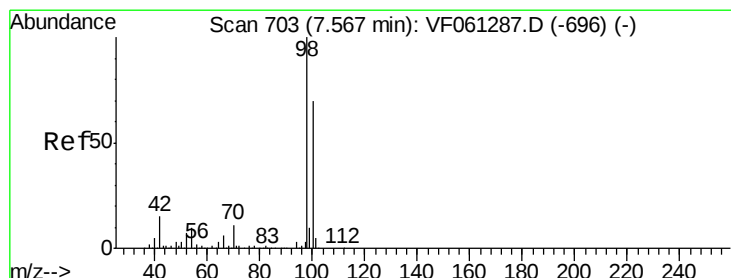
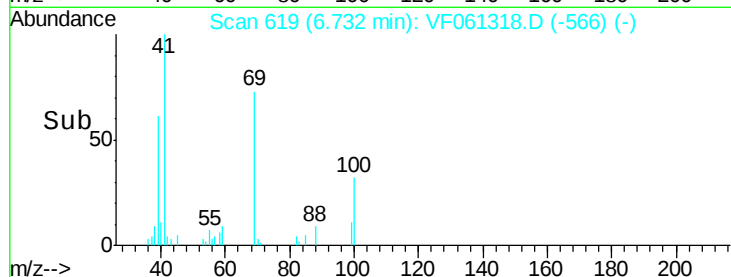
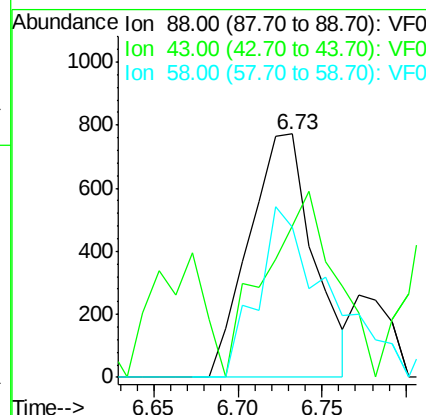
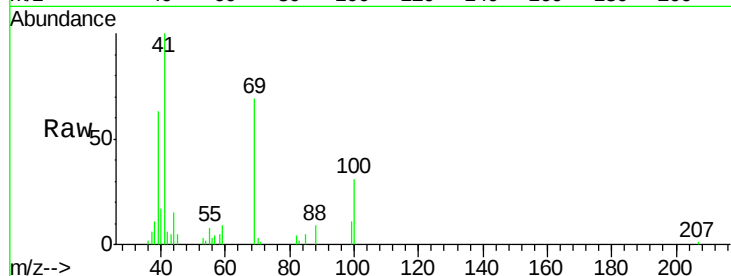
ClientSampleId :

VF0109SBS03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 62.2  | 38.5  | 57.7# |
| 58      | 61.5  | 57.0  | 85.4  |

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#50

Toluene-d8

Concen: 49.845 ug/l

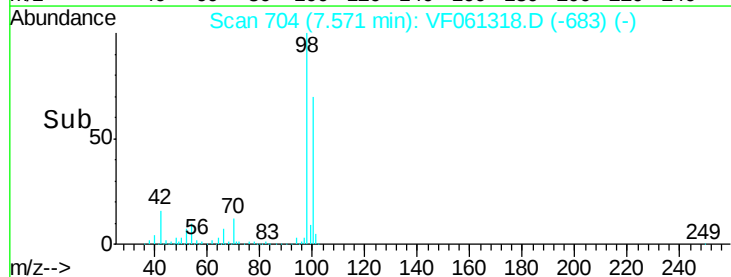
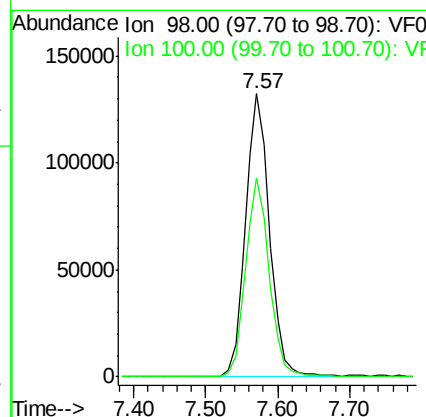
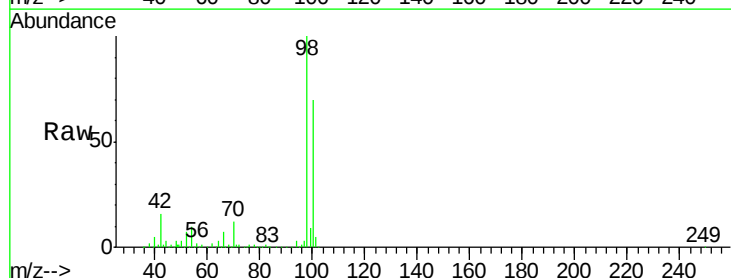
RT: 7.57 min Scan# 704

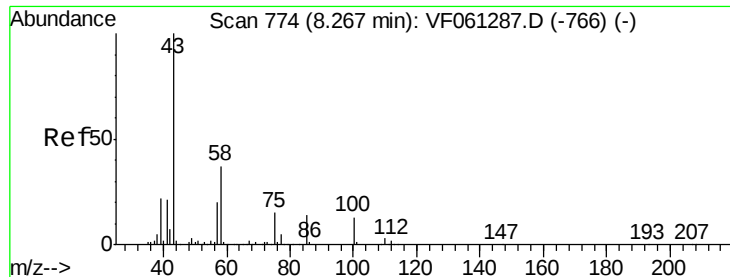
Delta R.T. 0.00 min

Lab File: VF061318.D

Acq: 10 Jan 2019 1:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 70.3  | 55.6  | 83.4  |





#51

4-Methyl-2-Pentanone

Concen: 122.286 ug/l

RT: 8.27 min Scan# 775

Delta R.T. 0.00 min

Lab File: VF061318.D

Acq: 10 Jan 2019 1:16

Instrument :

MSVOA\_F

ClientSampleId :

VF0109SBS03

Tot Ion: 43 Resp: 141685

Ion Ratio Lower Upper

43 100

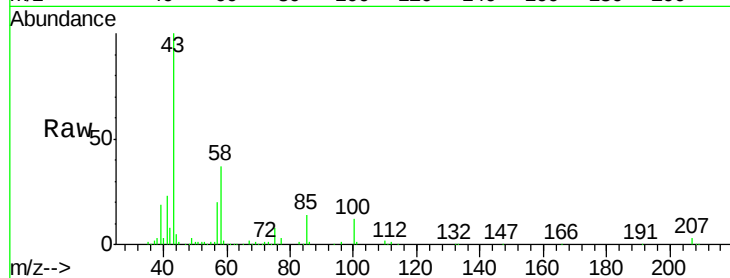
58 37.3 29.6 44.4

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

60000

50000

40000

30000

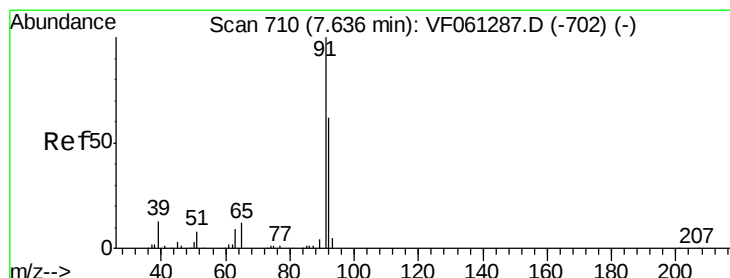
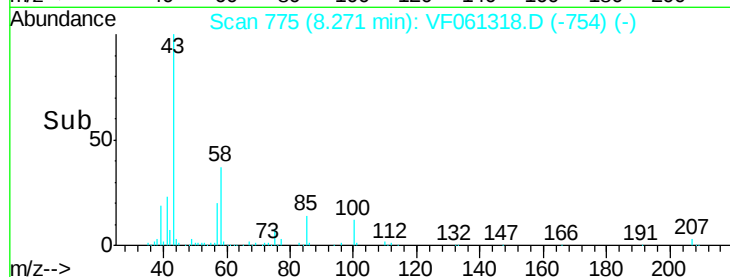
20000

10000

0

8.20 8.30 8.40

Time-->



#52

Toluene

Concen: 21.091 ug/l

RT: 7.64 min Scan# 711

Delta R.T. 0.00 min

Lab File: VF061318.D

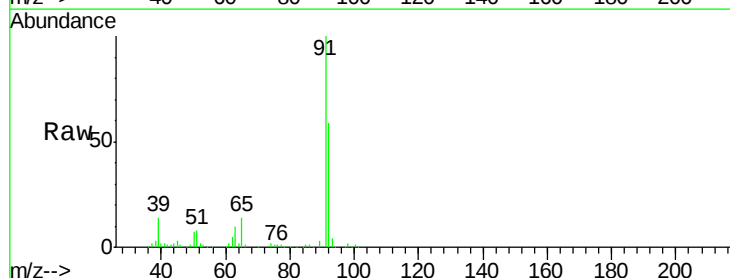
Acq: 10 Jan 2019 1:16

Tgt Ion: 92 Resp: 101050

Ion Ratio Lower Upper

92 100

91 168.4 129.2 193.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

80000

60000

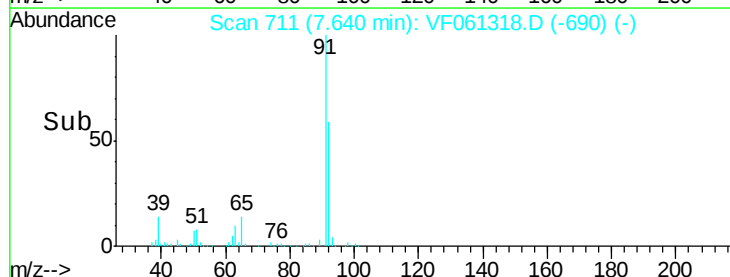
40000

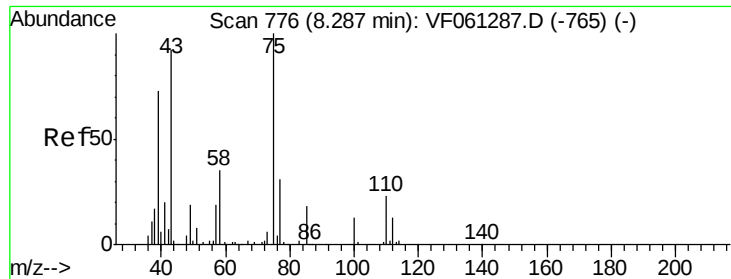
20000

0

7.50 7.60 7.70 7.80

Time-->





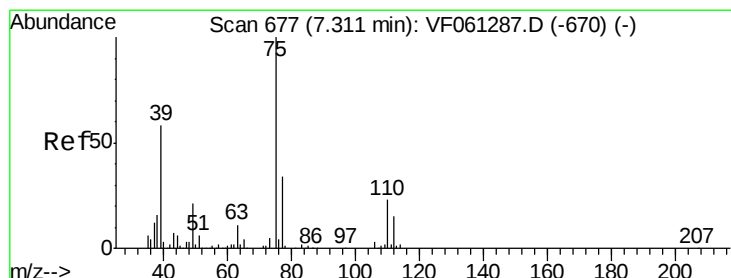
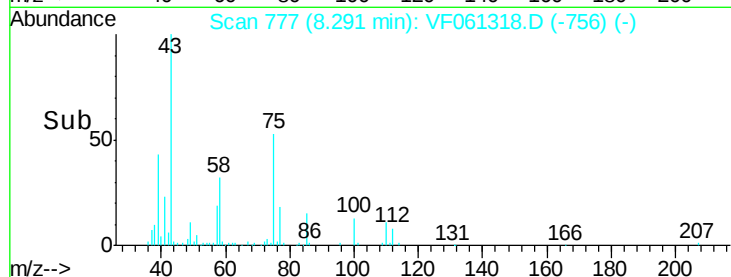
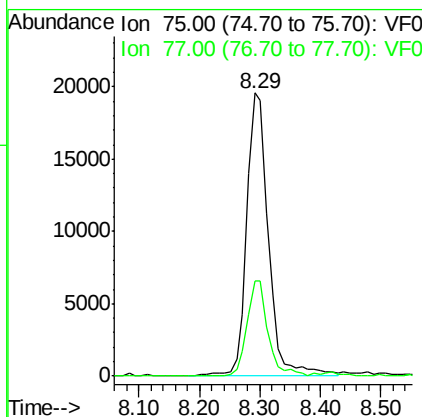
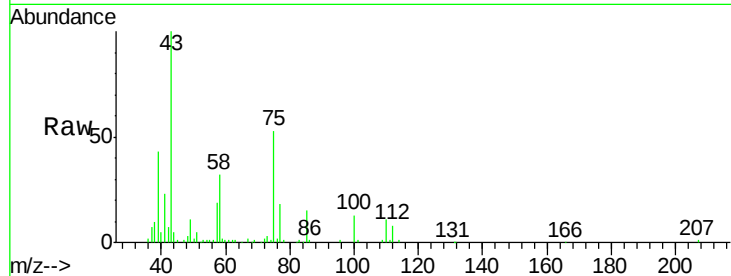
#53  
t-1,3-Dichloropropene  
Concen: 21.574 ug/l  
RT: 8.29 min Scan# 777  
Delta R.T. 0.00 min  
Lab File: VF061318.D  
Acq: 10 Jan 2019 1:16

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0109SBS03

Tot Ion: 75 Resp: 49040  
Ion Ratio Lower Upper  
75 100  
77 33.8 24.7 37.1

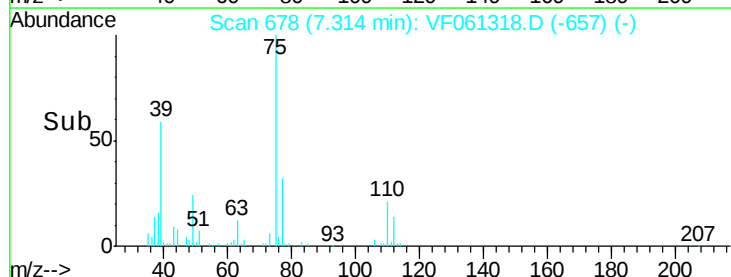
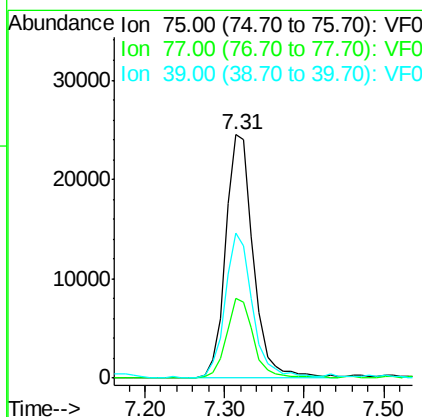
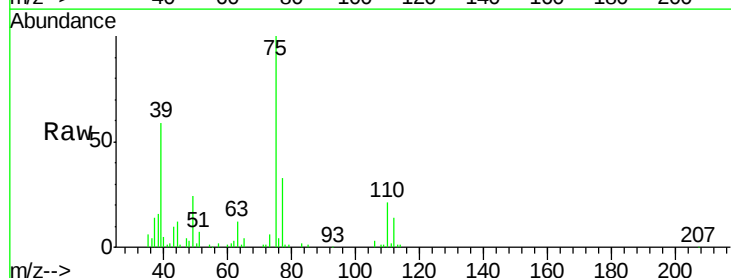
Manual Integrations  
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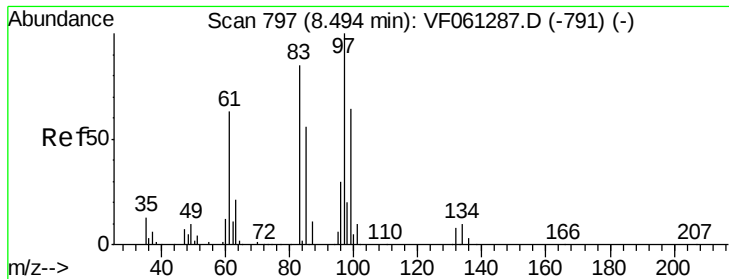
MMDadoda  
1/10/2019 3:32:05 PM



#54  
cis-1,3-Dichloropropene  
Concen: 19.949 ug/l  
RT: 7.31 min Scan# 678  
Delta R.T. 0.00 min  
Lab File: VF061318.D  
Acq: 10 Jan 2019 1:16

Tgt Ion: 75 Resp: 60126  
Ion Ratio Lower Upper  
75 100  
77 32.7 27.3 40.9  
39 59.4 46.3 69.5





#55

1,1,2-Trichloroethane

Concen: 20.747 ug/l

RT: 8.51 min Scan# 799

Delta R.T. 0.01 min

Lab File: VF061318.D

Acq: 10 Jan 2019 1:16

Instrument :

MSVOA\_F

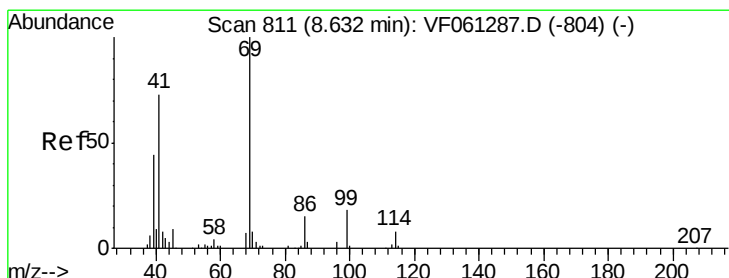
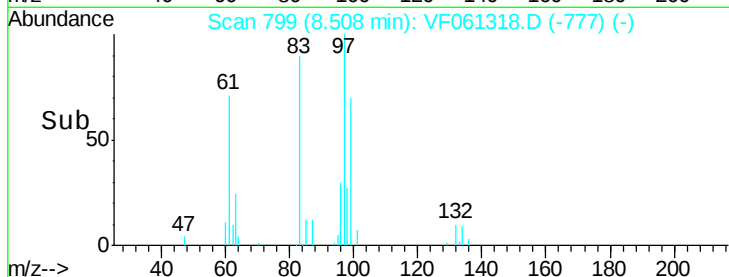
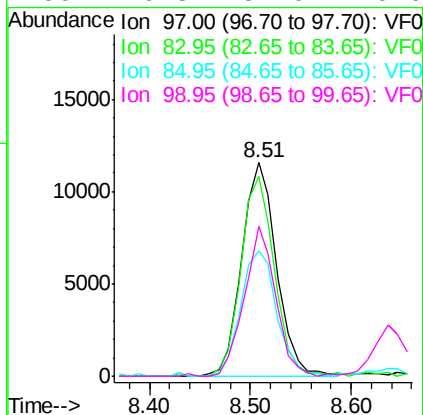
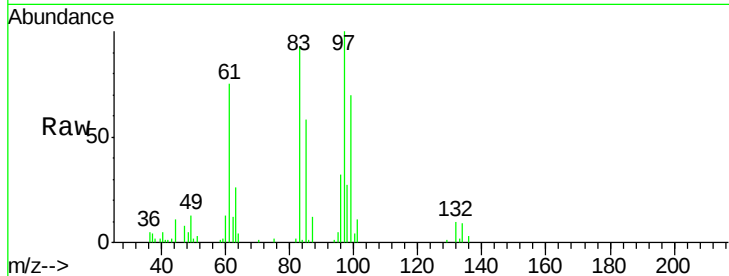
ClientSampleId :

VF0109SBS03

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 27815 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 93.5  | 67.8  | 101.6 |
| 85       | 58.5  | 45.1  | 67.7  |
| 99       | 70.3  | 51.0  | 76.6  |

Manual Integrations  
APPROVED

MMDadoda  
1/10/2019 3:32:05 PM



#56

Ethyl methacrylate

Concen: 22.331 ug/l

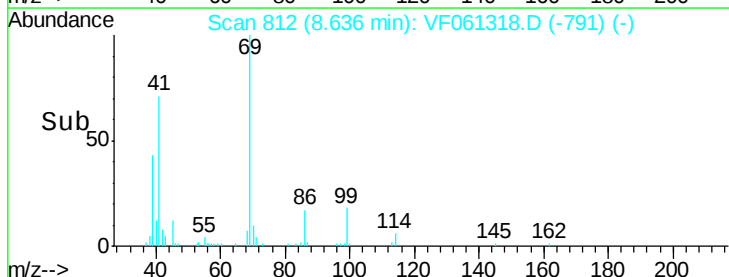
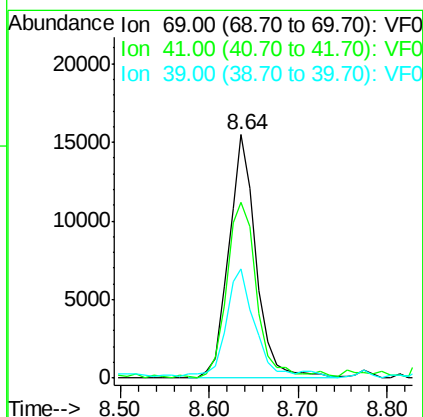
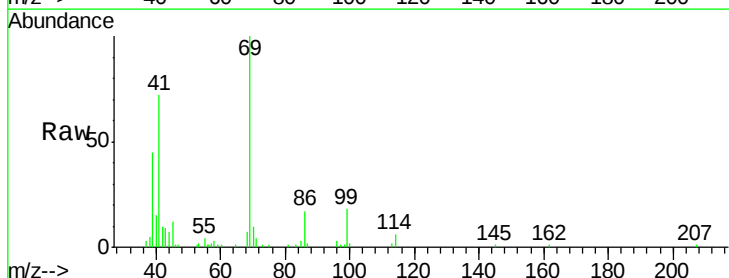
RT: 8.64 min Scan# 812

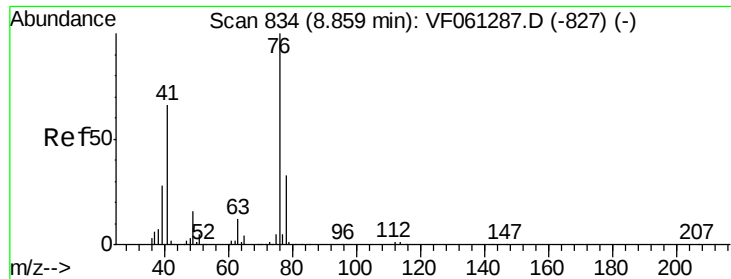
Delta R.T. 0.00 min

Lab File: VF061318.D

Acq: 10 Jan 2019 1:16

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 33461 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 72.0  | 59.0  | 88.4  |
| 39       | 44.9  | 35.3  | 52.9  |





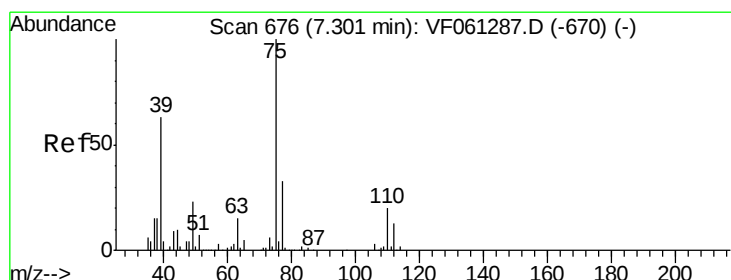
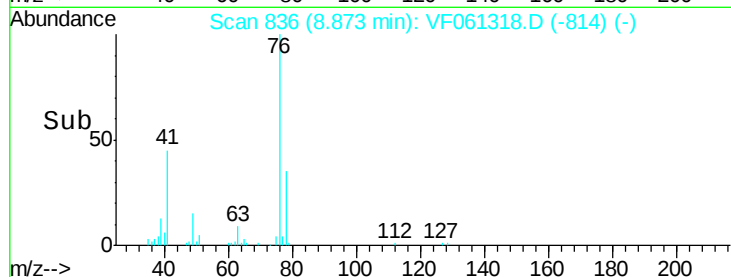
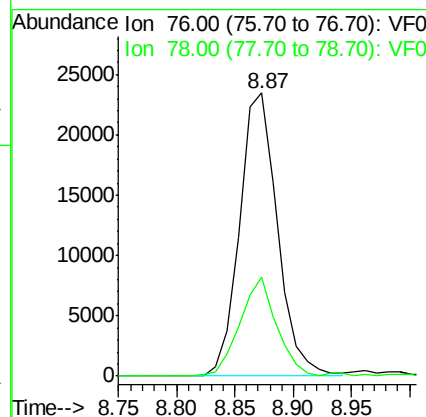
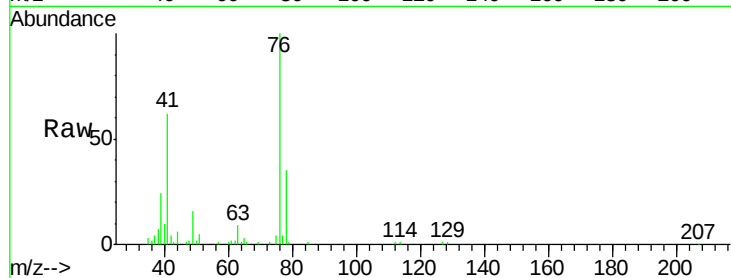
#57  
 1,3-Dichloropropane  
 Concen: 22.386 ug/l  
 RT: 8.87 min Scan# 836  
 Delta R.T. 0.01 min  
 Lab File: VF061318.D  
 Acq: 10 Jan 2019 1:16

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0109SBS03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 35.2  | 26.8  | 40.2  |

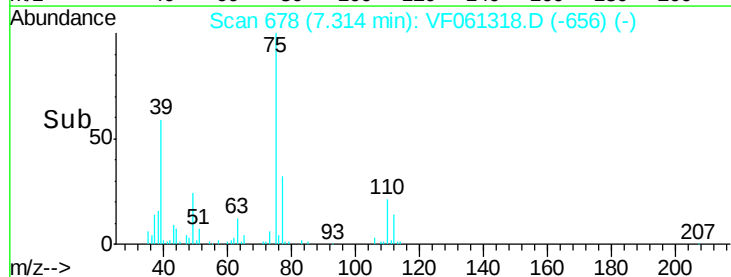
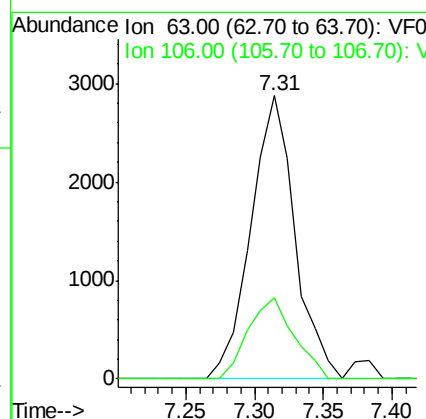
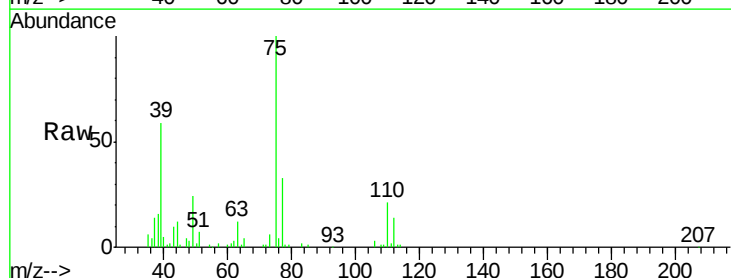
Manual Integrations  
 APPROVED

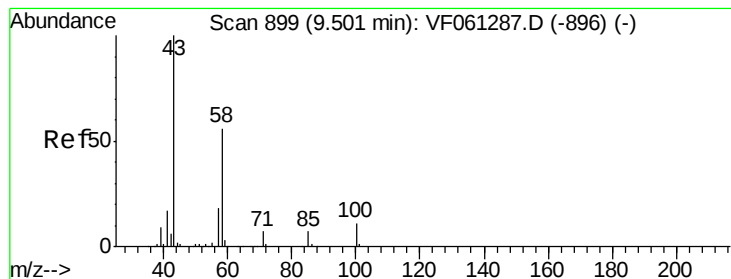
MMDadoda  
 1/10/2019 3:32:05 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 100.729 ug/l  
 RT: 7.31 min Scan# 678  
 Delta R.T. 0.01 min  
 Lab File: VF061318.D  
 Acq: 10 Jan 2019 1:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 28.9  | 16.5  | 24.7# |





#59

2-Hexanone

Concen: 113.056 ug/l

RT: 9.50 min Scan# 900

Delta R.T. 0.00 min

Lab File: VF061318.D

Acq: 10 Jan 2019 1:16

Instrument :

MSVOA\_F

ClientSampleId :

VF0109SBS03

Tot Ion: 43 Resp: 92800

Ion Ratio Lower Upper

43 100

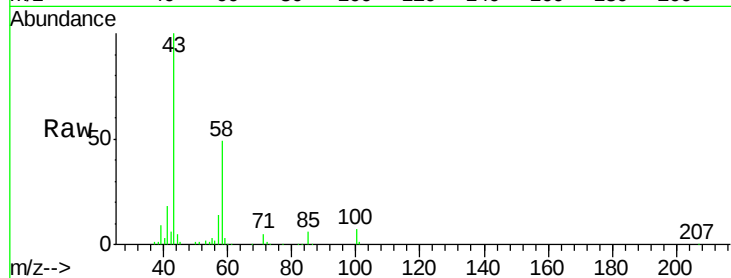
58 49.1 25.6 76.8

Manual Integrations

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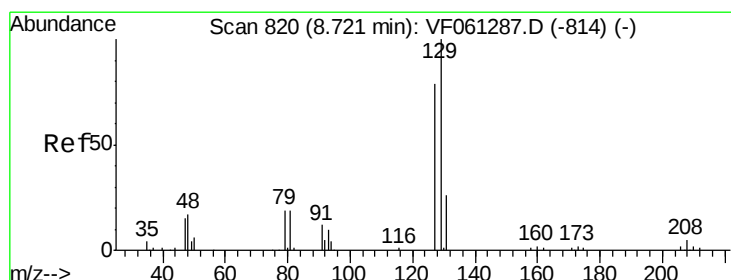
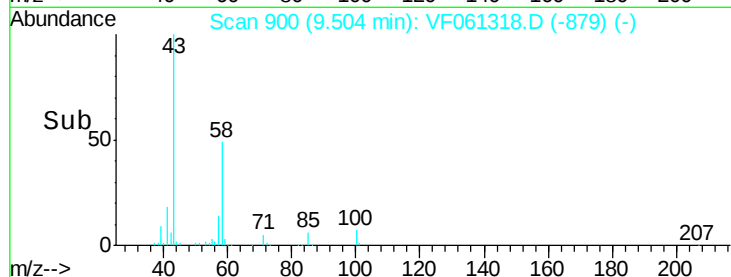
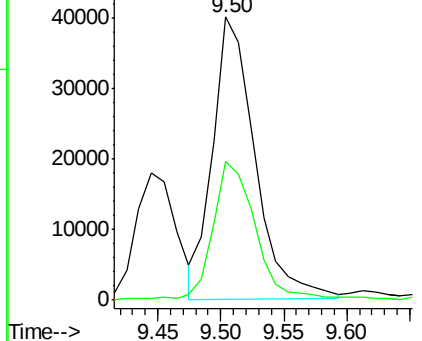
MMDadoda

1/10/2019 3:32:05 PM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#60

Dibromochloromethane

Concen: 23.013 ug/l

RT: 8.73 min Scan# 822

Delta R.T. 0.01 min

Lab File: VF061318.D

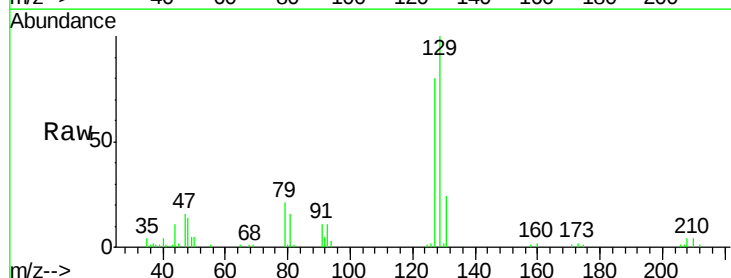
Acq: 10 Jan 2019 1:16

Tgt Ion: 129 Resp: 41084

Ion Ratio Lower Upper

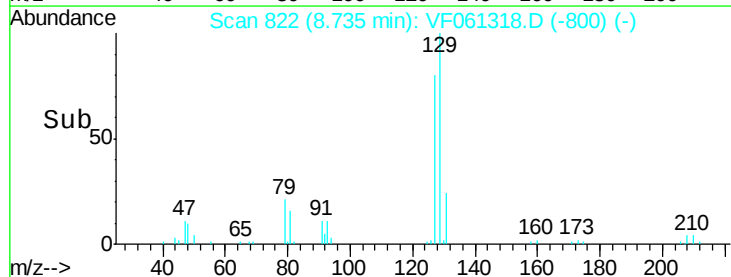
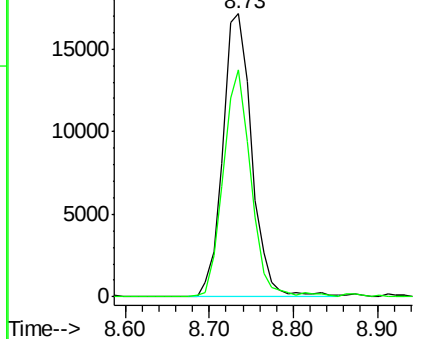
129 100

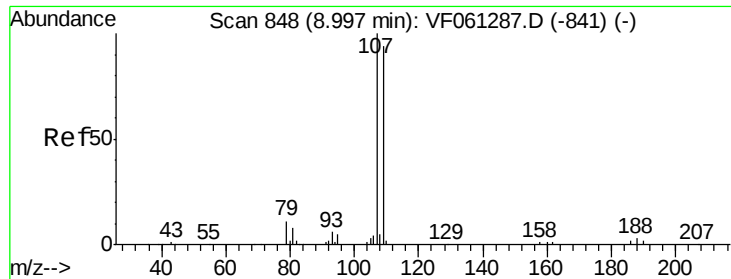
127 80.1 39.4 118.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





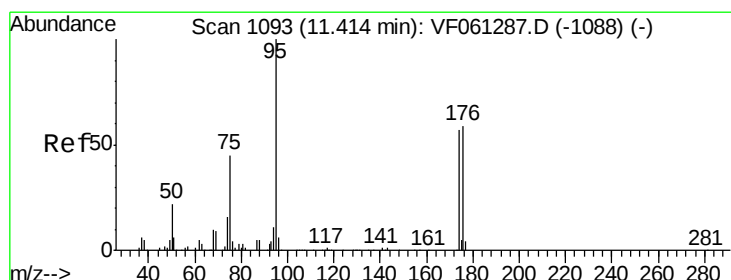
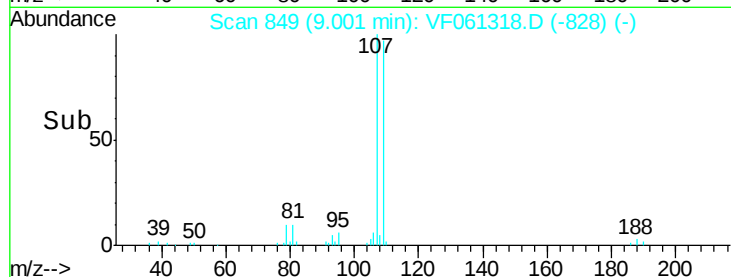
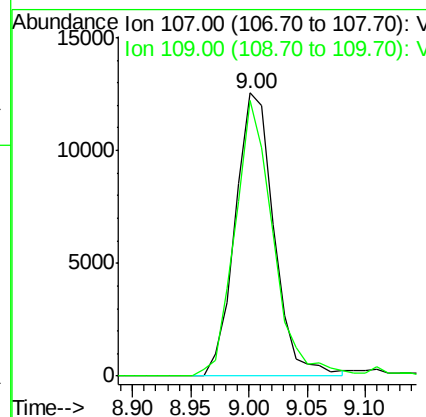
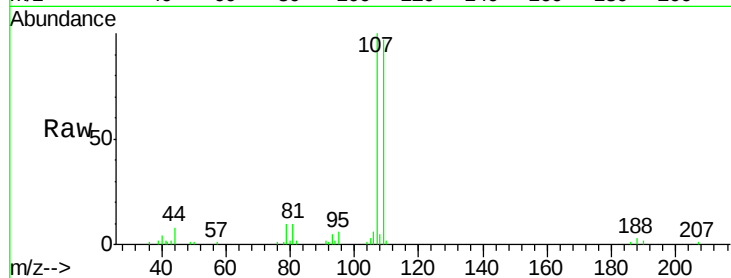
#61  
 1,2-Dibromoethane  
 Concen: 21.174 ug/l  
 RT: 9.00 min Scan# 849  
 Delta R.T. 0.00 min  
 Lab File: VF061318.D  
 Acq: 10 Jan 2019 1:16

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0109SBS03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 97.3  | 75.1  | 112.7 |

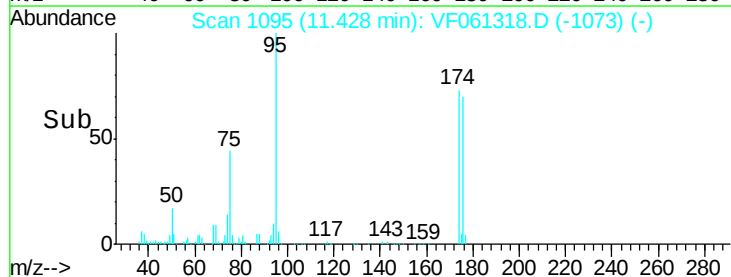
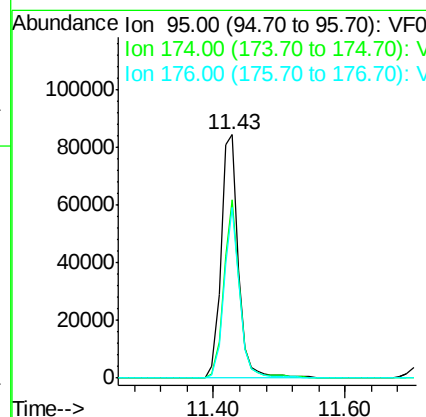
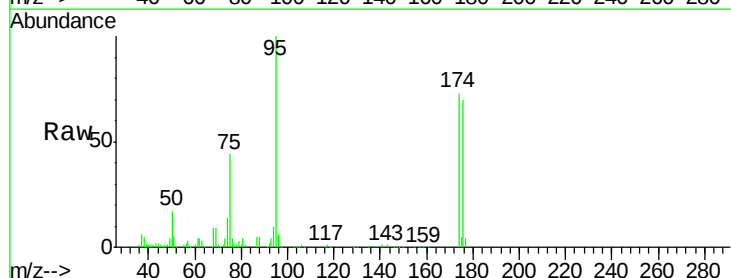
Manual Integrations  
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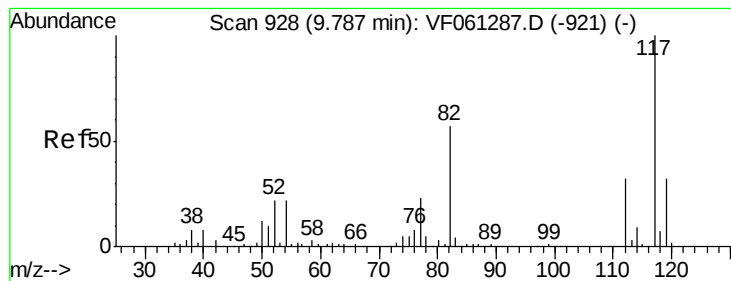
MMDadoda  
 1/10/2019 3:32:05 PM



#62  
 4-Bromofluorobenzene  
 Concen: 57.225 ug/l  
 RT: 11.43 min Scan# 1095  
 Delta R.T. 0.01 min  
 Lab File: VF061318.D  
 Acq: 10 Jan 2019 1:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 73.1  | 0.0   | 114.2 |
| 176     | 70.0  | 0.0   | 117.8 |





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.79 min Scan# 929

Delta R.T. 0.00 min

Lab File: VF061318.D

Acq: 10 Jan 2019 1:16

Instrument :

MSVOA\_F

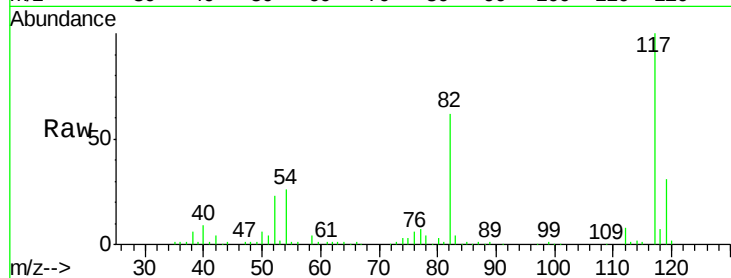
ClientSampleId :

VF0109SBS03

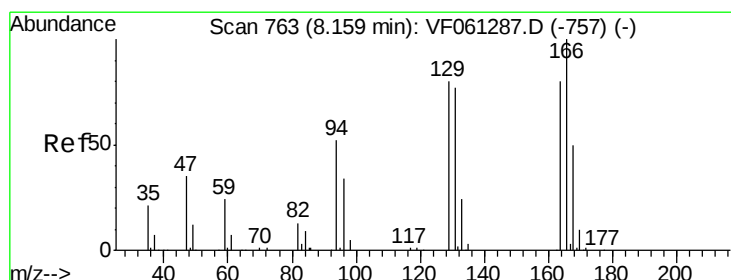
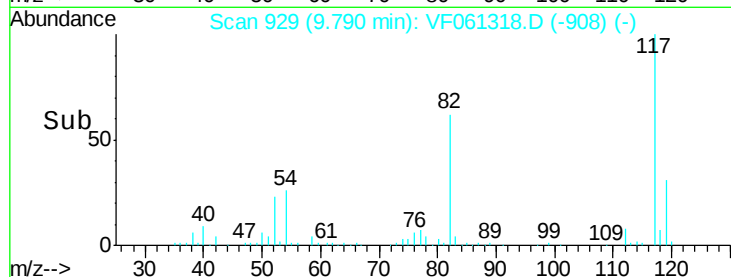
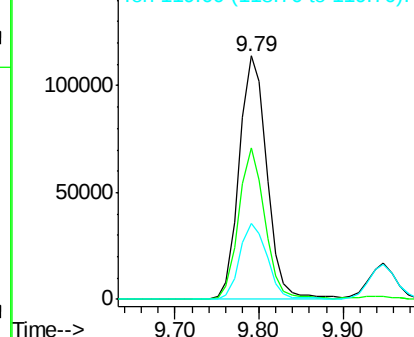
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 117   | Resp: | 262231 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 62.3  | 45.3  | 67.9   |
| 119       | 31.0  | 25.4  | 38.0   |

Manual Integrations  
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1/10/2019 3:32:05 PM



Abundance Ion 117.00 (116.70 to 117.70): V  
Ion 82.00 (81.70 to 82.70): VF0  
Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 20.559 ug/l

RT: 8.17 min Scan# 765

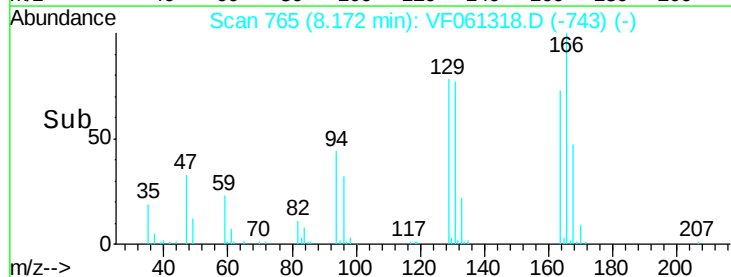
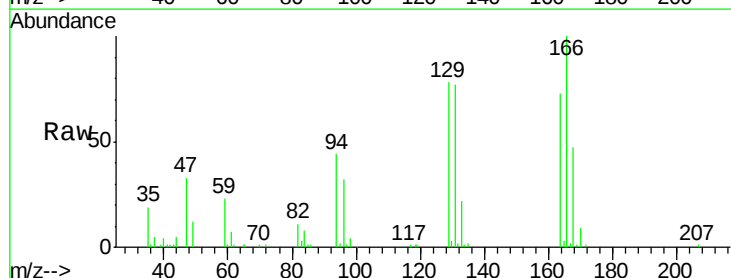
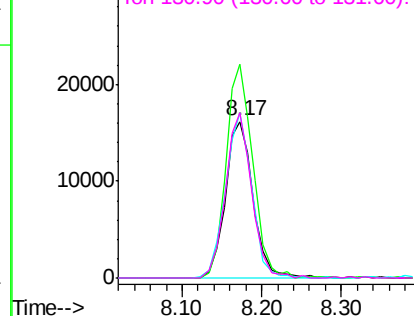
Delta R.T. 0.01 min

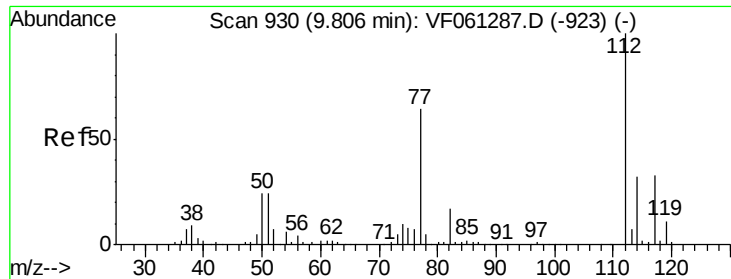
Lab File: VF061318.D

Acq: 10 Jan 2019 1:16

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 164   | Resp: | 39253 |
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 166       | 136.6 | 100.1 | 150.1 |
| 129       | 106.0 | 80.1  | 120.1 |
| 131       | 105.6 | 76.7  | 115.1 |

Abundance Ion 163.85 (163.55 to 164.55): V  
Ion 165.80 (165.50 to 166.50): V  
Ion 128.90 (128.60 to 129.60): V  
Ion 130.90 (130.60 to 131.60): V





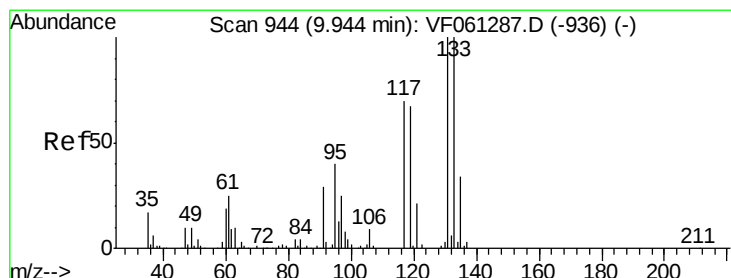
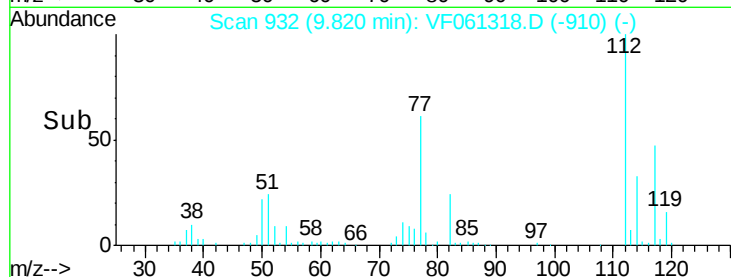
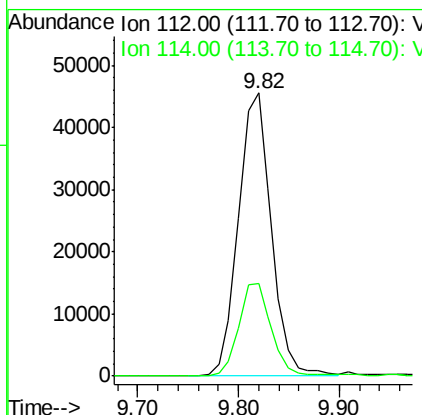
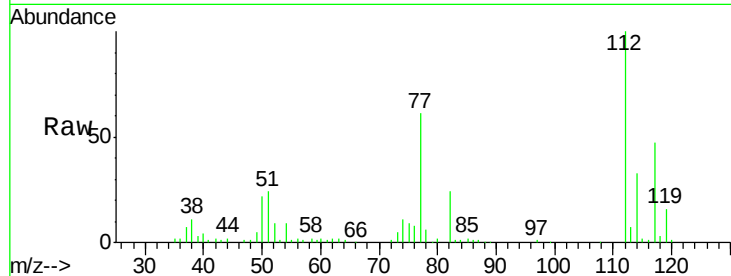
#65  
Chlorobenzene  
Concen: 19.637 ug/l  
RT: 9.82 min Scan# 932  
Delta R.T. 0.01 min  
Lab File: VF061318.D  
Acq: 10 Jan 2019 1:16

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0109SBS03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 32.8  | 25.8  | 38.8  |

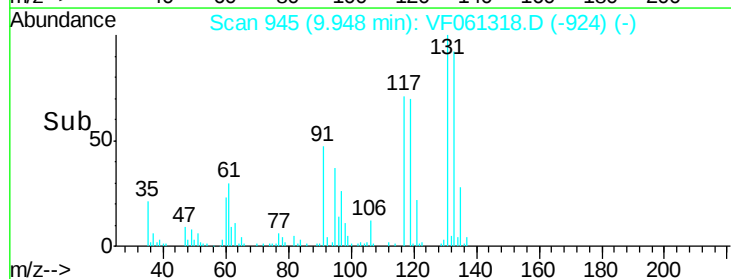
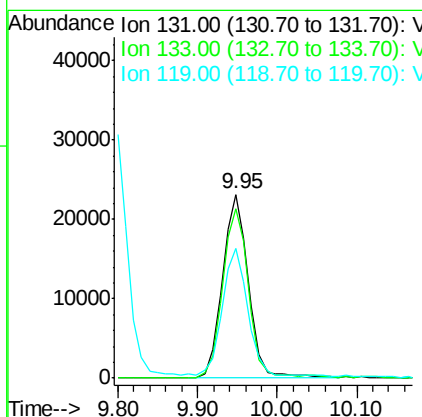
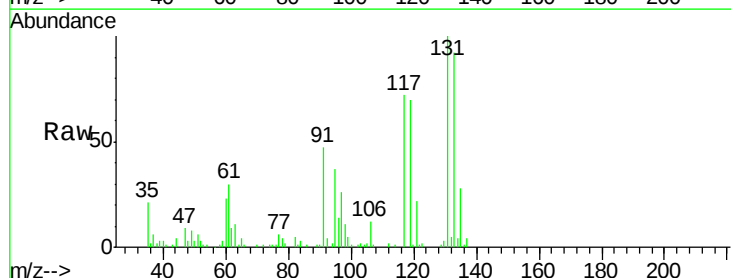
Manual Integrations  
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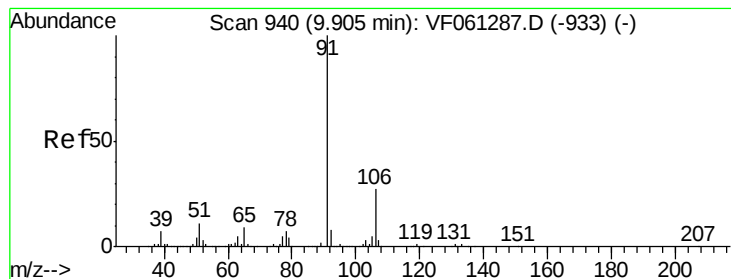
MMDadoda  
1/10/2019 3:32:05 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 24.531 ug/l  
RT: 9.95 min Scan# 945  
Delta R.T. 0.00 min  
Lab File: VF061318.D  
Acq: 10 Jan 2019 1:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 92.0  | 49.9  | 149.6 |
| 119     | 70.3  | 33.9  | 101.6 |





#67

Ethyl Benzene

Concen: 21.969 ug/l

RT: 9.92 min Scan# 942

Delta R.T. 0.01 min

Lab File: VF061318.D

Acq: 10 Jan 2019 1:16

Instrument :

MSVOA\_F

ClientSampleId :

VF0109SBS03

Tot Ion: 91 Resp: 224298

Ion Ratio Lower Upper

91 100

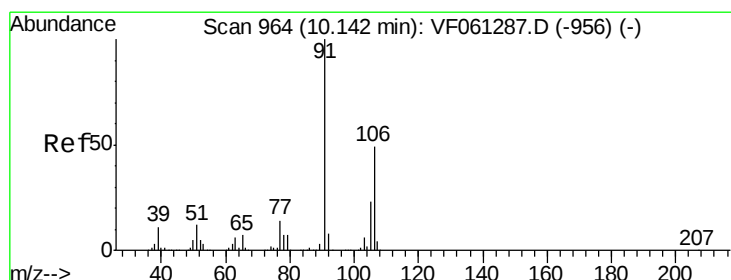
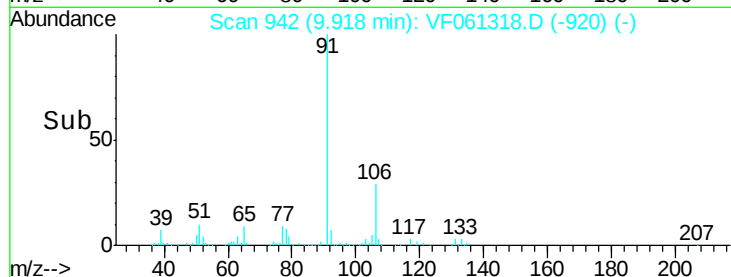
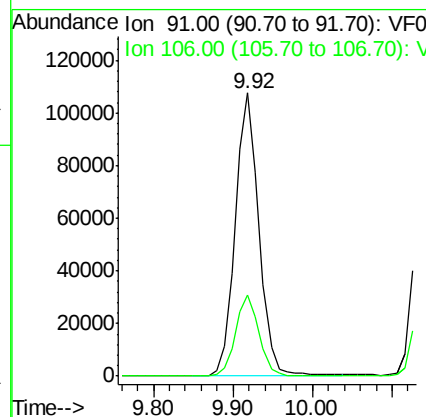
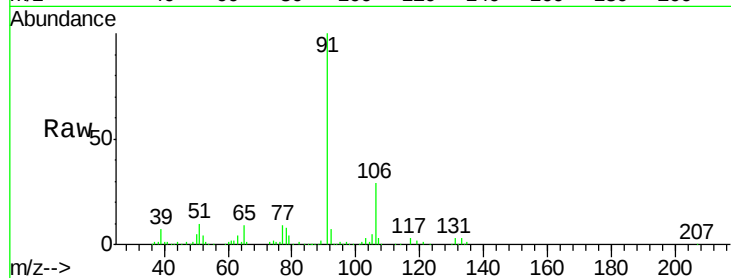
106 28.6 21.4 32.2

Manual Integrations

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MMDadoda

1/10/2019 3:32:05 PM



#68

m/p-Xylenes

Concen: 43.987 ug/l

RT: 10.15 min Scan# 965

Delta R.T. 0.00 min

Lab File: VF061318.D

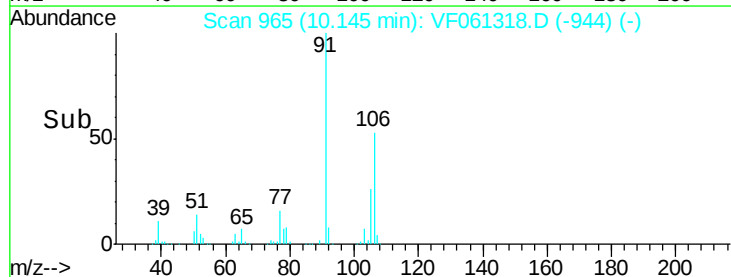
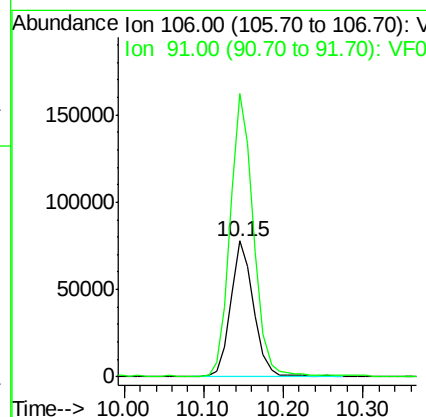
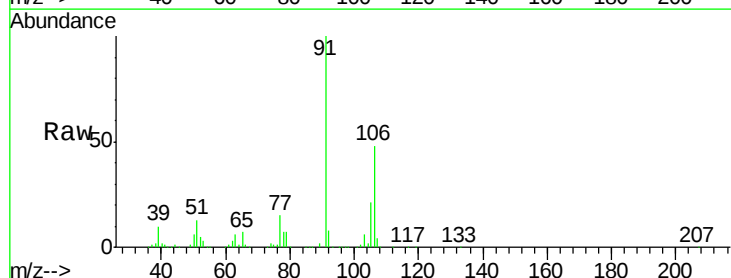
Acq: 10 Jan 2019 1:16

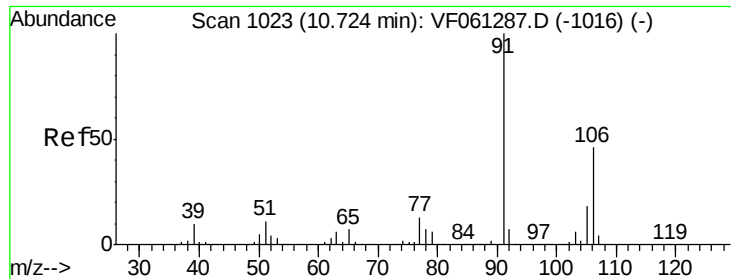
Tgt Ion: 106 Resp: 156656

Ion Ratio Lower Upper

106 100

91 208.7 165.0 247.6





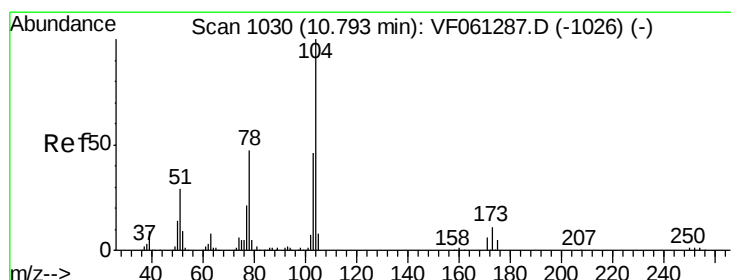
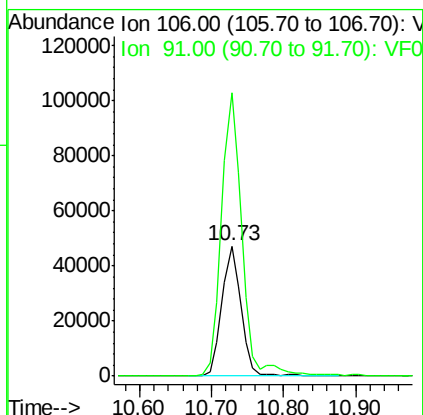
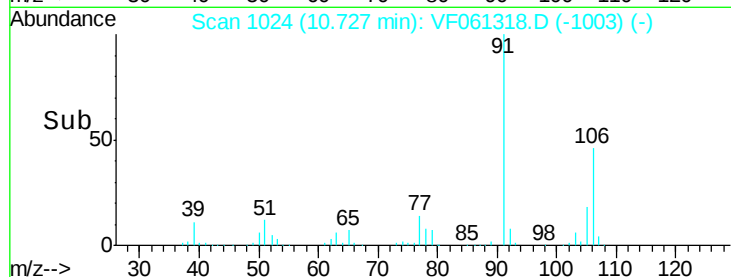
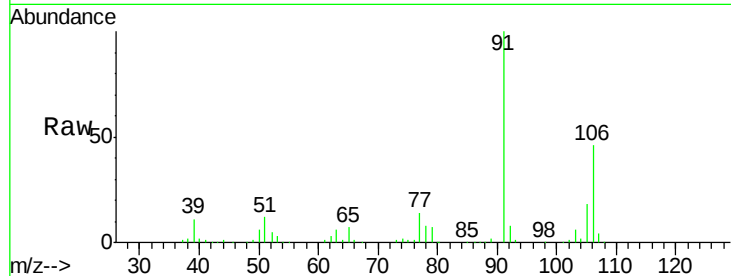
#69  
o-Xylene  
Concen: 22.153 ug/l  
RT: 10.73 min Scan# 1024  
Delta R.T. 0.00 min  
Lab File: VF061318.D  
Acq: 10 Jan 2019 1:16

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0109SBS03

Tot Ion:106 Resp: 88133  
Ion Ratio Lower Upper  
106 100  
91 217.6 108.1 324.4

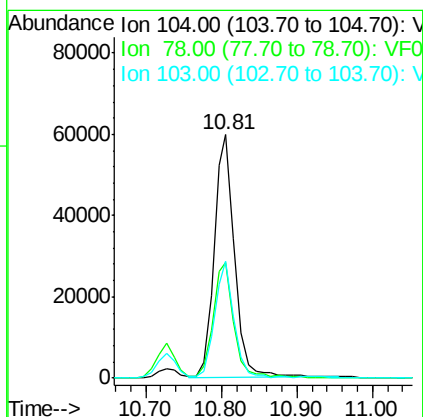
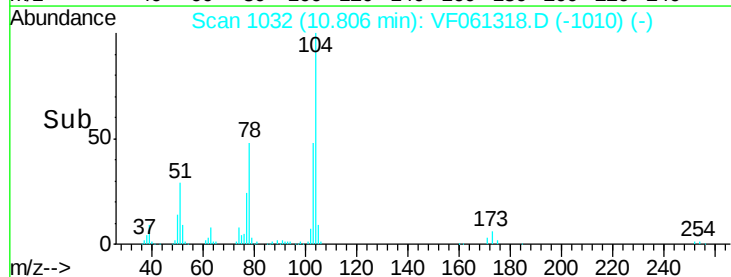
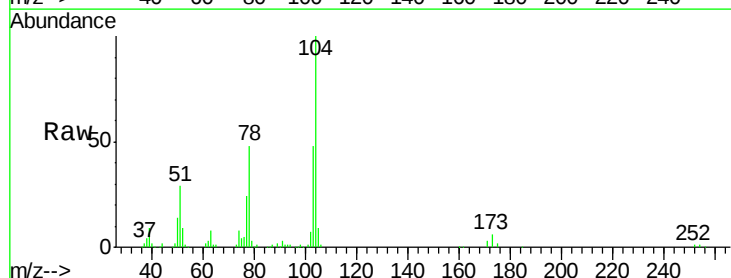
Manual Integrations  
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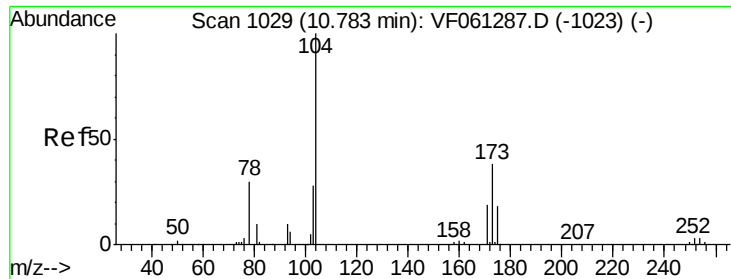
MMDadoda  
1/10/2019 3:32:05 PM



#70  
Styrene  
Concen: 21.288 ug/l  
RT: 10.81 min Scan# 1032  
Delta R.T. 0.01 min  
Lab File: VF061318.D  
Acq: 10 Jan 2019 1:16

Tgt Ion:104 Resp: 112824  
Ion Ratio Lower Upper  
104 100  
78 47.8 38.0 57.0  
103 47.9 36.7 55.1





#71

Bromoform

Concen: 23.198 ug/l

RT: 10.79 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VF061318.D

Acq: 10 Jan 2019 1:16

Instrument :

MSVOA\_F

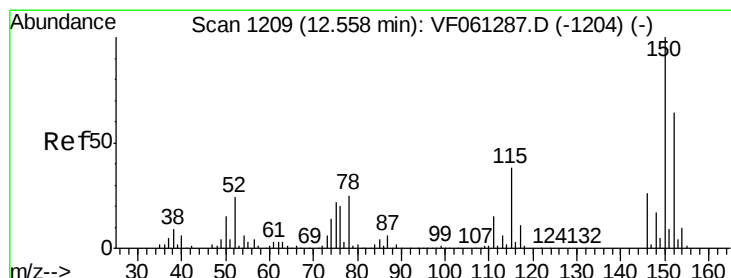
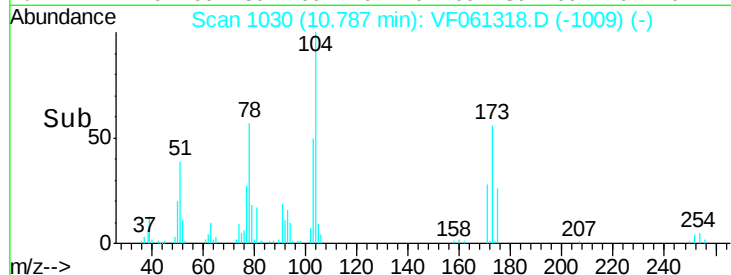
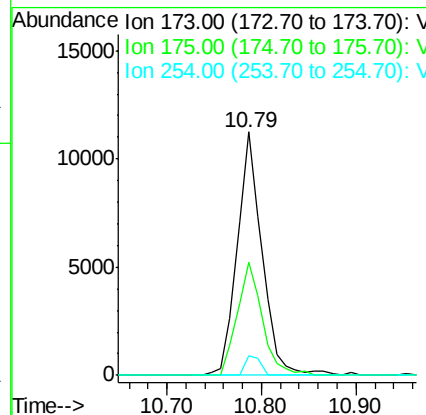
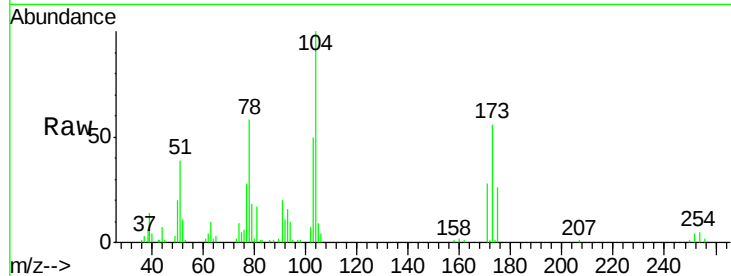
ClientSampleId :

VF0109SBS03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 46.3  | 24.1  | 72.2  |
| 254     | 8.1   | 0.0   | 0.0#  |

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1/10/2019 3:32:05 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

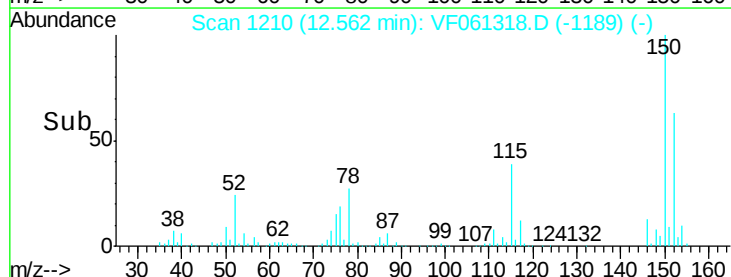
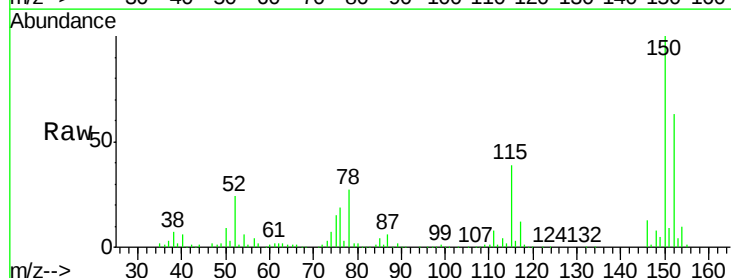
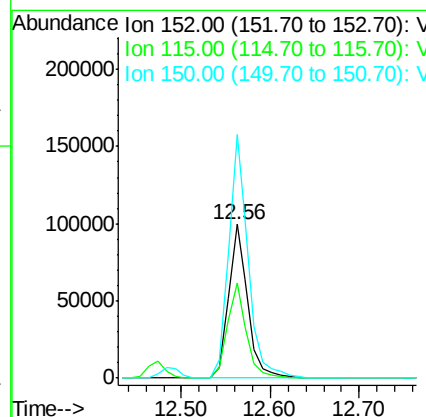
RT: 12.56 min Scan# 1210

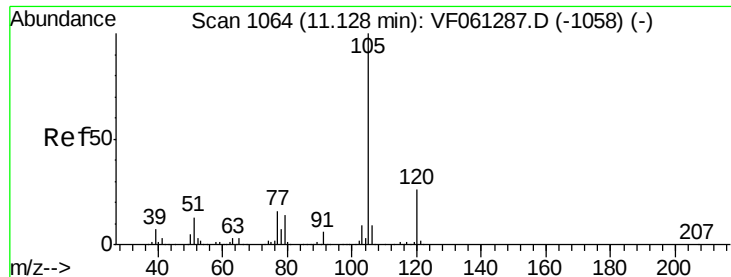
Delta R.T. 0.00 min

Lab File: VF061318.D

Acq: 10 Jan 2019 1:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 61.9  | 29.6  | 88.9  |
| 150     | 158.3 | 0.0   | 315.4 |





#73

Isopropylbenzene

Concen: 19.839 ug/l

RT: 11.14 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VF061318.D

Acq: 10 Jan 2019 1:16

Instrument :

MSVOA\_F

ClientSampleId :

VF0109SBS03

Tot Ion:105 Resp: 265035

Ion Ratio Lower Upper

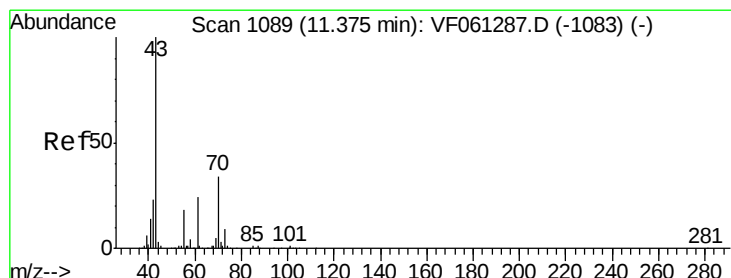
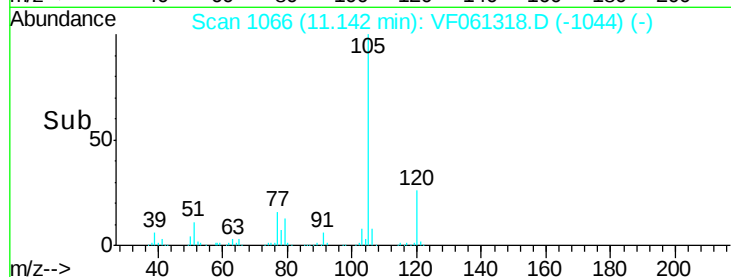
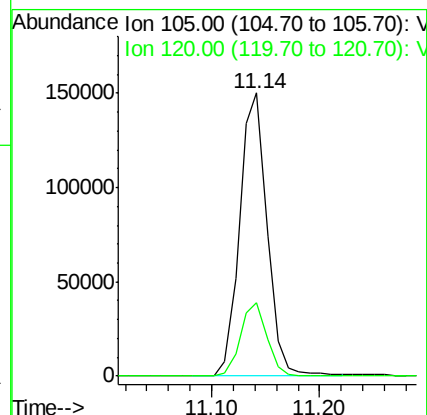
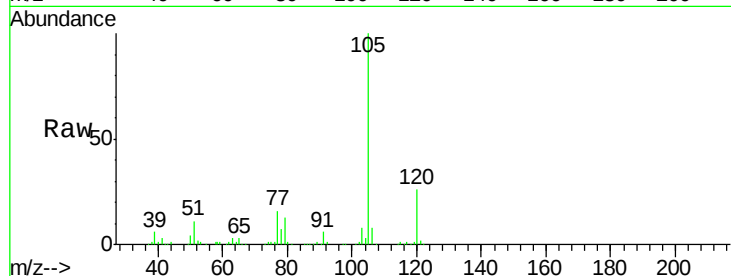
105 100

120 25.8 12.9 38.7

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#74

N-ethyl acetate

Concen: 22.065 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VF061318.D

Acq: 10 Jan 2019 1:16

Tgt Ion: 43 Resp: 67005

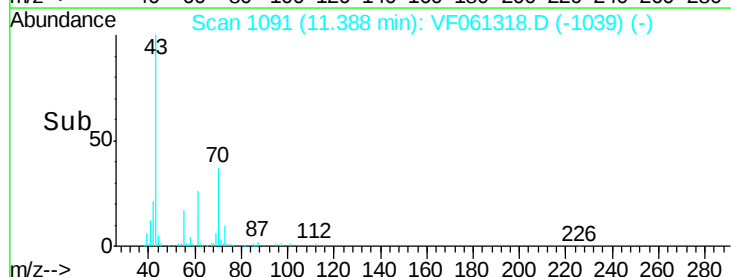
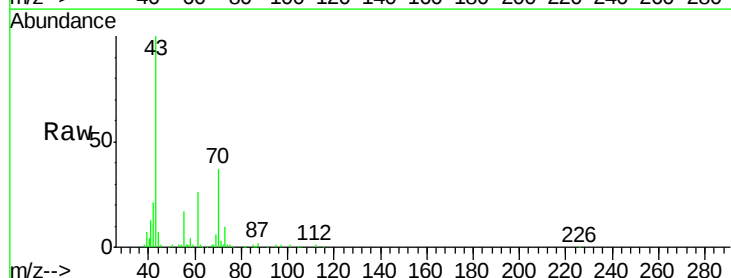
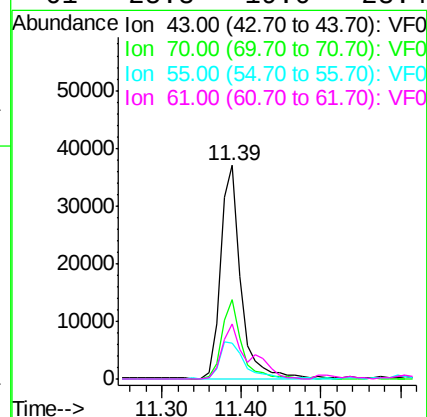
Ion Ratio Lower Upper

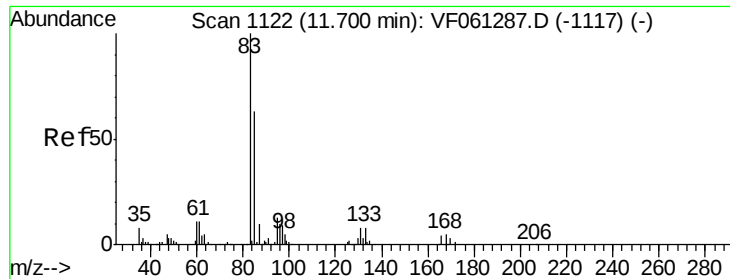
43 100

70 37.2 27.4 41.0

55 16.9 14.7 22.1

61 25.8 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 23.344 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VF061318.D

Acq: 10 Jan 2019 1:16

Instrument :

MSVOA\_F

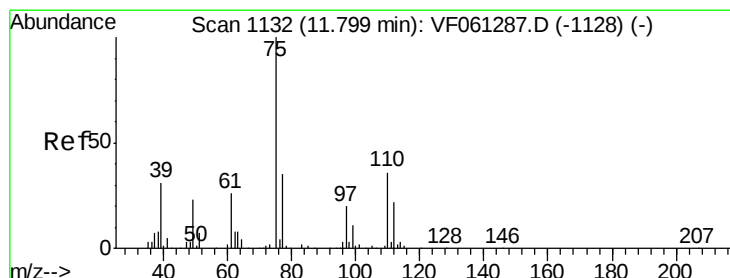
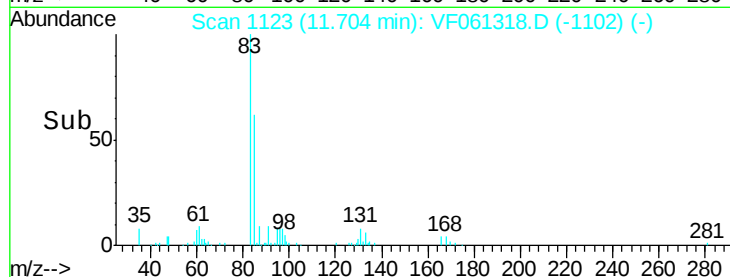
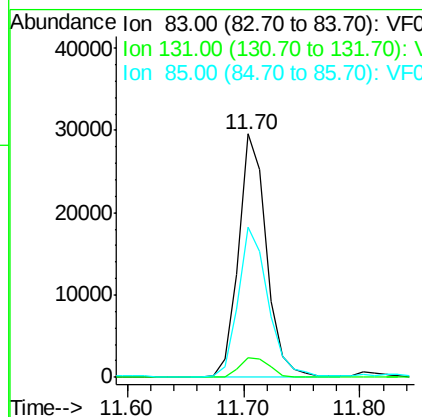
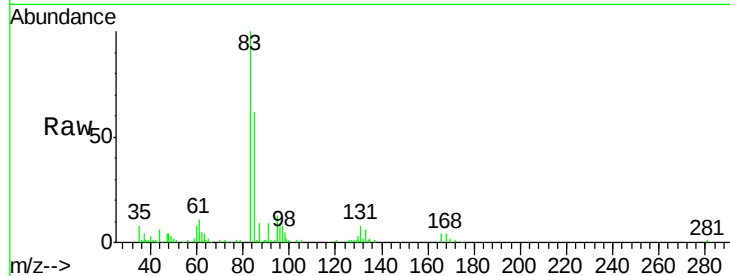
ClientSampleId :

VF0109SBS03

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 49446 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 8.2   | 3.9   | 11.7  |
| 85        | 61.6  | 31.6  | 94.7  |

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1/10/2019 3:32:05 PM



#76

1,2,3-Trichloropropane

Concen: 22.272 ug/l

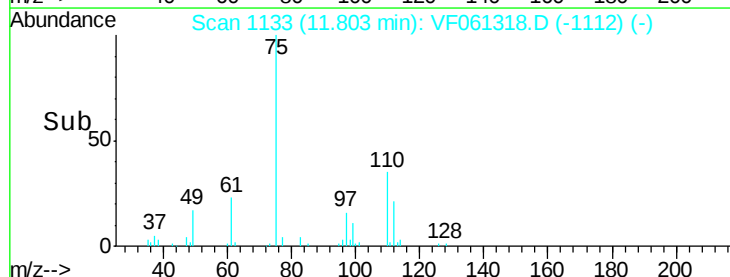
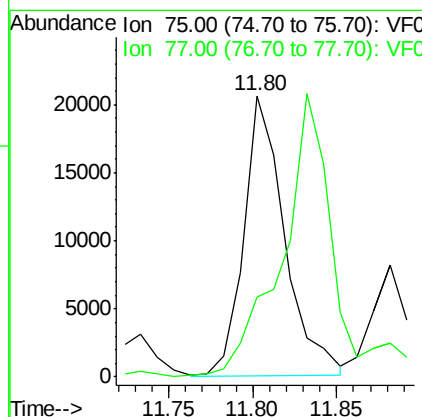
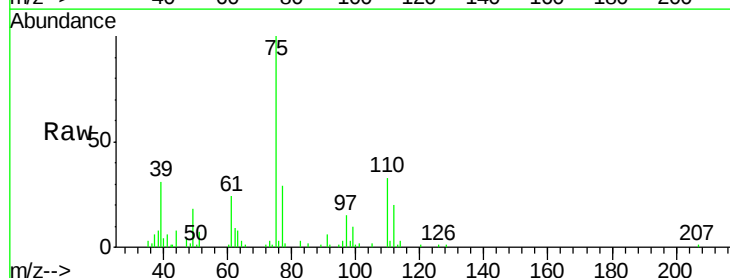
RT: 11.80 min Scan# 1133

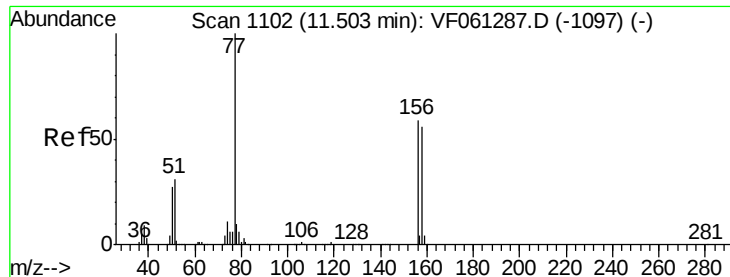
Delta R.T. 0.00 min

Lab File: VF061318.D

Acq: 10 Jan 2019 1:16

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 34601 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 28.6  | 17.5  | 52.5  |





#77

Bromobenzene

Concen: 19.549 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VF061318.D

Acq: 10 Jan 2019 1:16

Instrument :

MSVOA\_F

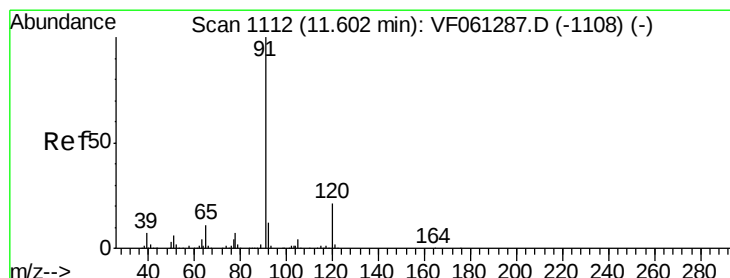
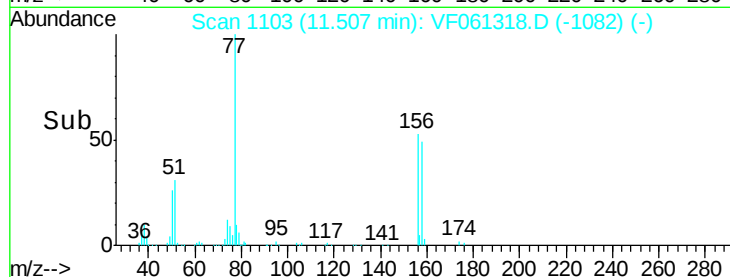
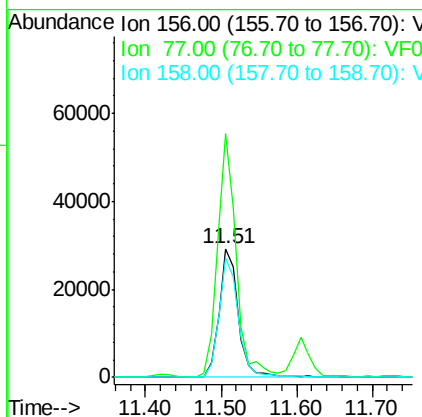
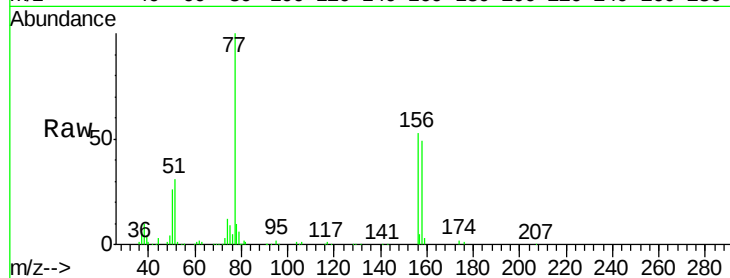
ClientSampleId :

VF0109SBS03

| Tot Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 156     | 100   |       | 51955 |       |       |
| 77      | 189.5 | 84.3  | 252.9 |       |       |
| 158     | 92.9  | 47.1  | 141.3 |       |       |

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#78

n-propylbenzene

Concen: 20.373 ug/l

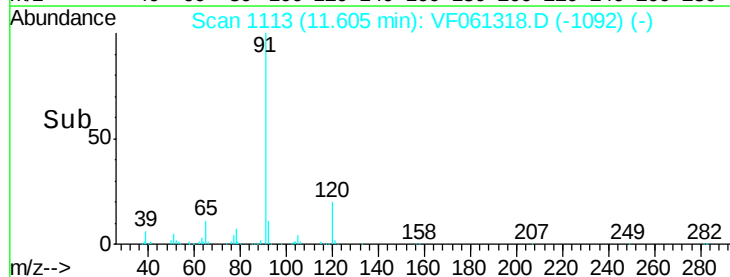
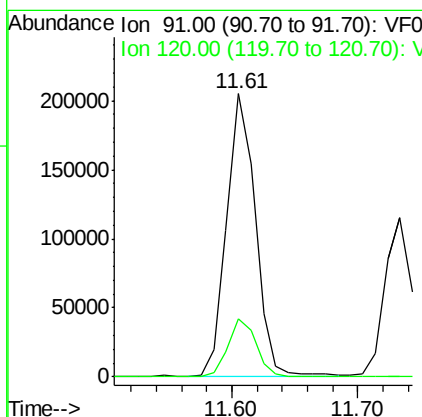
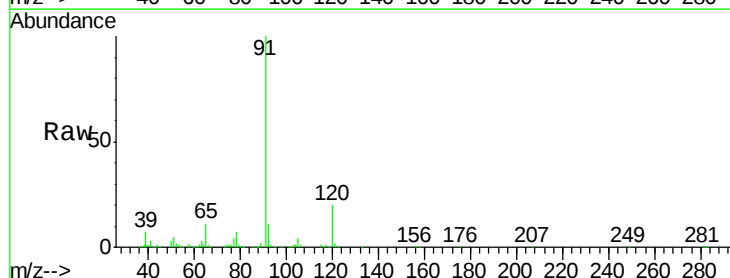
RT: 11.61 min Scan# 1113

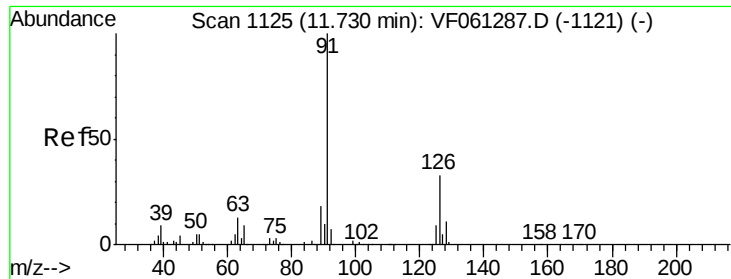
Delta R.T. 0.00 min

Lab File: VF061318.D

Acq: 10 Jan 2019 1:16

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 91      | 100  |       | 324500 |       |       |
| 120     | 20.4 | 10.7  | 32.1   |       |       |





#79

2-Chlorotoluene

Concen: 19.963 ug/l

RT: 11.73 min Scan# 1126

Delta R.T. 0.00 min

Lab File: VF061318.D

Acq: 10 Jan 2019 1:16

Instrument :

MSVOA\_F

ClientSampleId :

VF0109SBS03

Tot Ion: 91 Resp: 177158

Ion Ratio Lower Upper

91 100

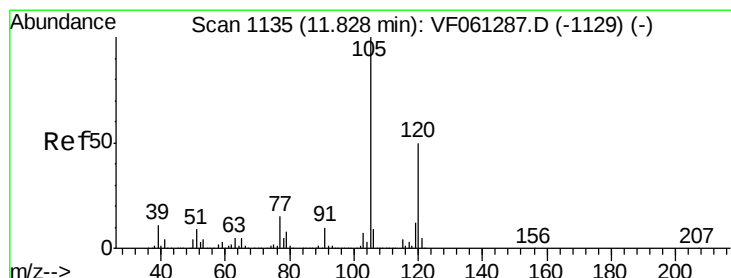
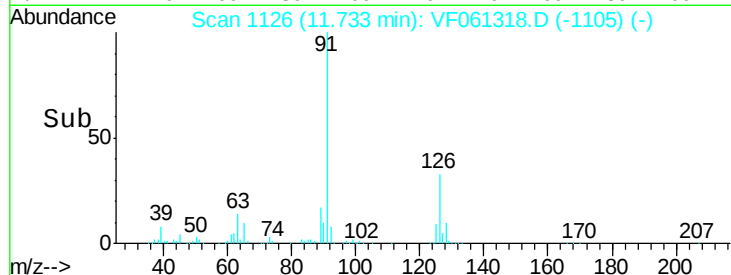
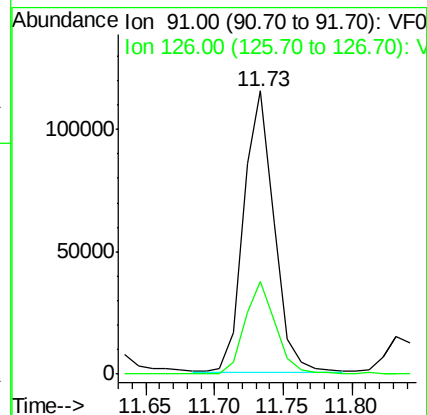
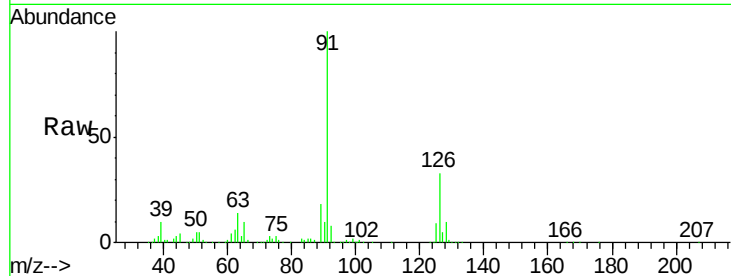
126 33.0 16.6 49.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.992 ug/l

RT: 11.83 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VF061318.D

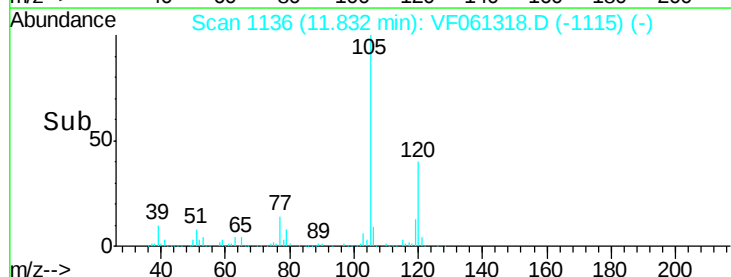
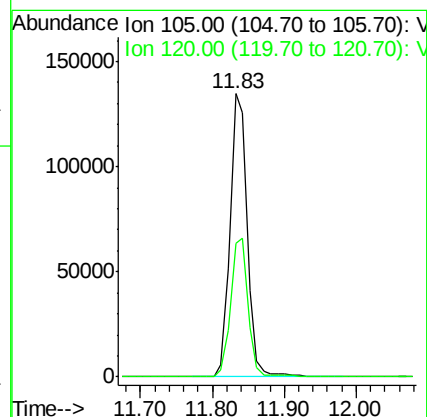
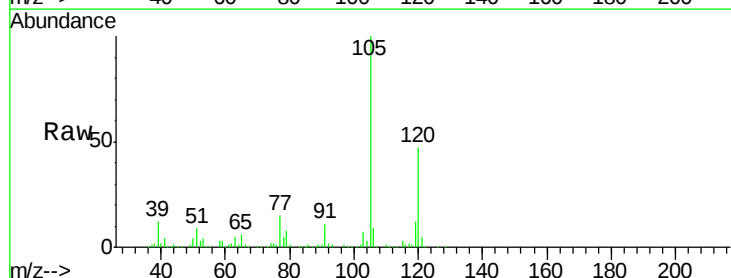
Acq: 10 Jan 2019 1:16

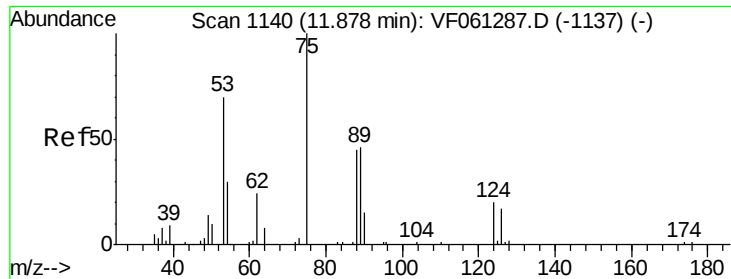
Tgt Ion: 105 Resp: 223139

Ion Ratio Lower Upper

105 100

120 47.2 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 18.857 ug/l m

RT: 11.88 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VF061318.D

Acq: 10 Jan 2019 1:16

Instrument :

MSVOA\_F

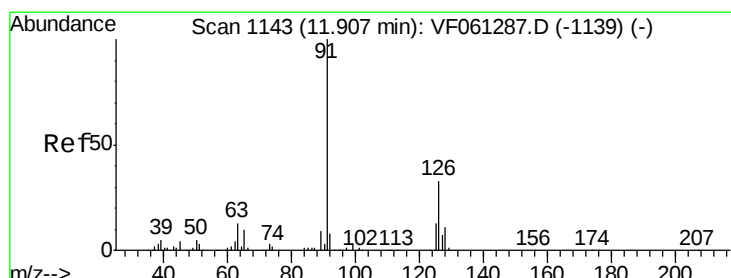
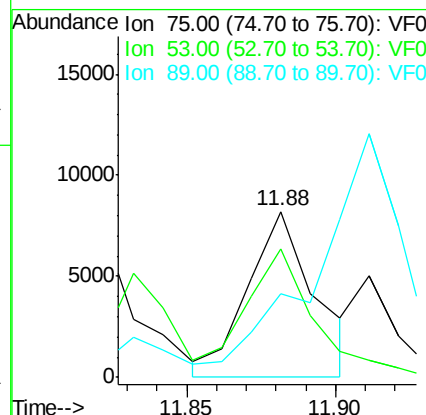
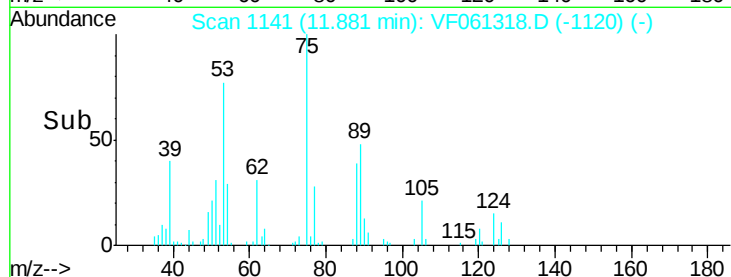
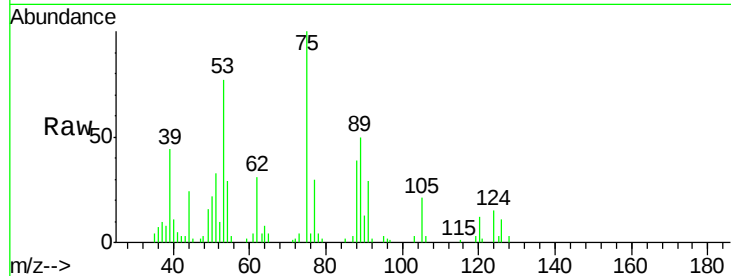
ClientSampleId :

VF0109SBS03

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 12802 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 77.1  | 62.2  | 93.2  |
| 89       | 50.0  | 40.2  | 60.4  |

Manual Integrations  
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1/10/2019 3:32:05 PM



#82

4-Chlorotoluene

Concen: 20.270 ug/l

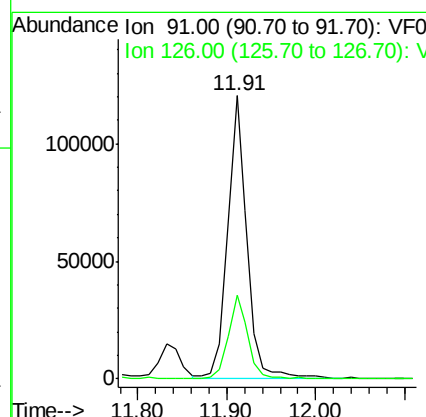
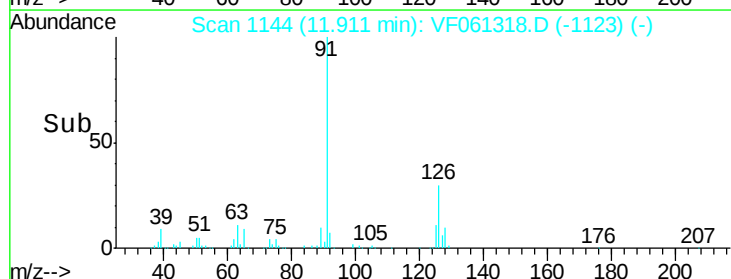
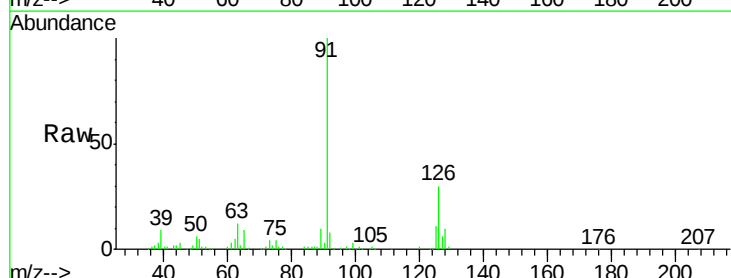
RT: 11.91 min Scan# 1144

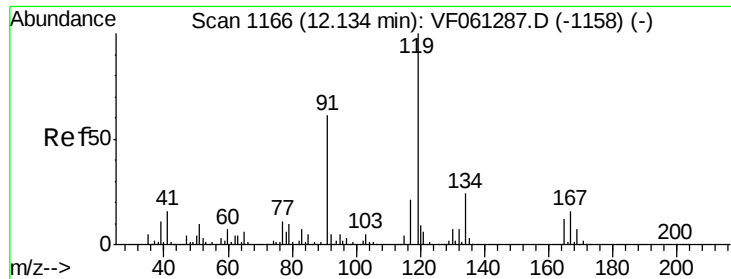
Delta R.T. 0.00 min

Lab File: VF061318.D

Acq: 10 Jan 2019 1:16

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 182784 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 29.8  | 16.4  | 49.4   |





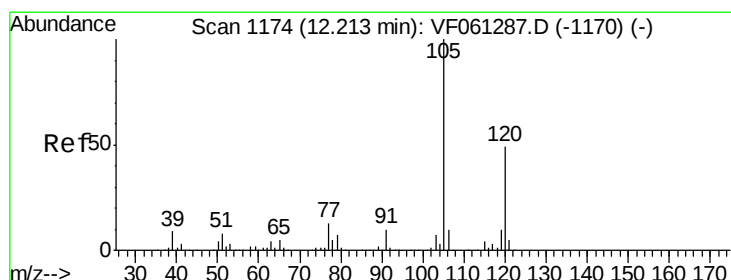
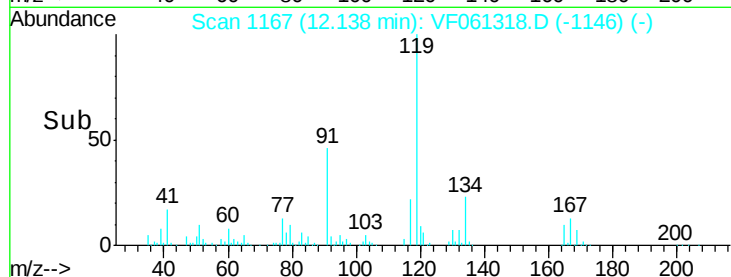
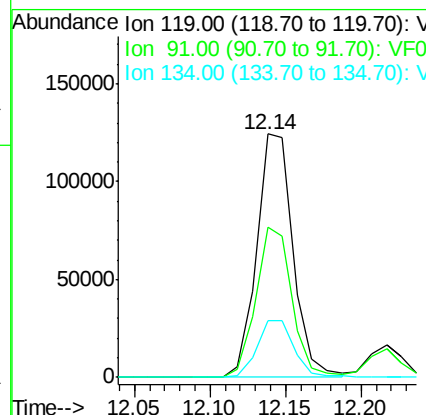
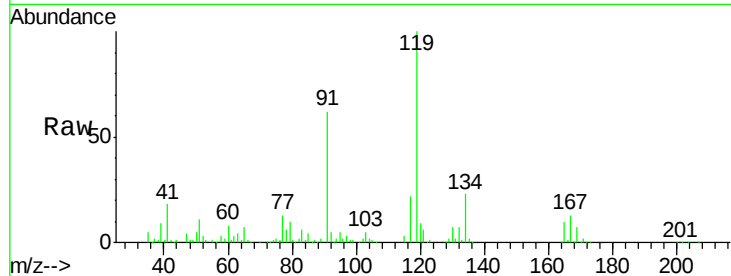
#83  
tert-Butylbenzene  
Concen: 19.709 ug/l  
RT: 12.14 min Scan# 1167  
Delta R.T. 0.00 min  
Lab File: VF061318.D  
Acq: 10 Jan 2019 1:16

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0109SBS03

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 208724 |       |       |
| 91      | 61.6  |        | 30.8  | 92.4  |
| 134     | 23.2  |        | 11.9  | 35.9  |

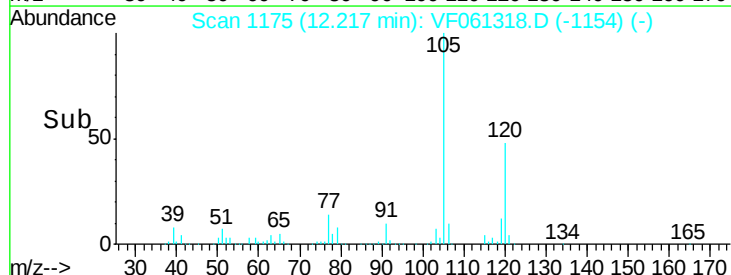
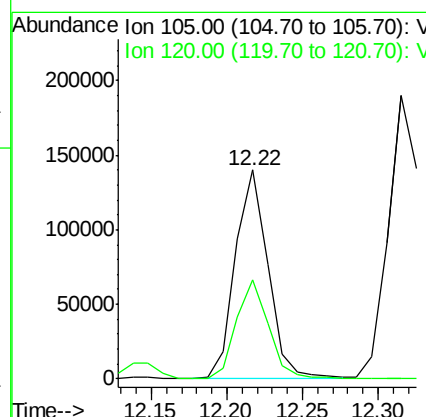
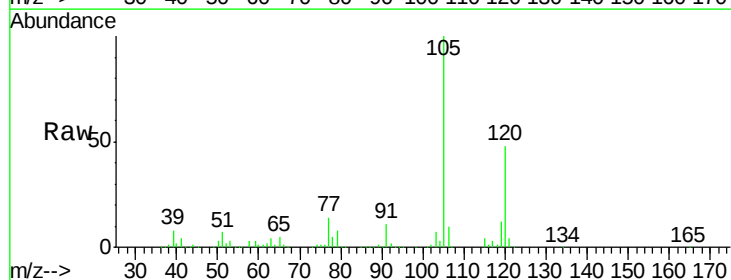
Manual Integrations  
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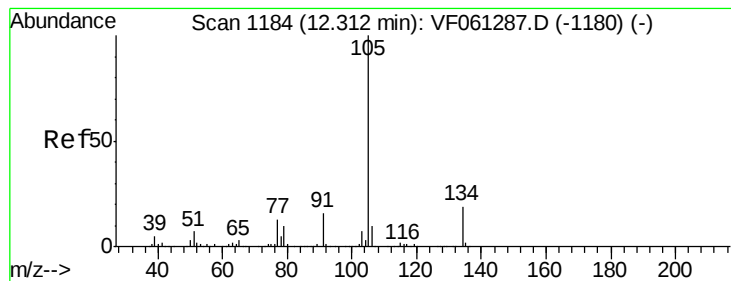
MMDadoda  
1/10/2019 3:32:05 PM



#84  
1,2,4-Trimethylbenzene  
Concen: 20.013 ug/l  
RT: 12.22 min Scan# 1175  
Delta R.T. 0.00 min  
Lab File: VF061318.D  
Acq: 10 Jan 2019 1:16

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 211211 |       |       |
| 120     | 47.6  |        | 24.7  | 74.1  |





#85

sec-Butylbenzene

Concen: 19.259 ug/l

RT: 12.32 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VF061318.D

Acq: 10 Jan 2019 1:16

Instrument :

MSVOA\_F

ClientSampleId :

VF0109SBS03

Tot Ion:105 Resp: 290412

Ion Ratio Lower Upper

105 100

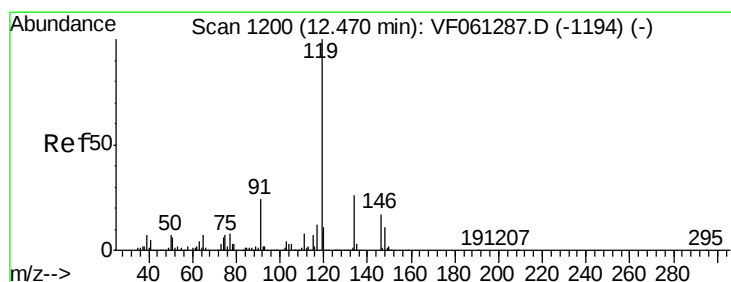
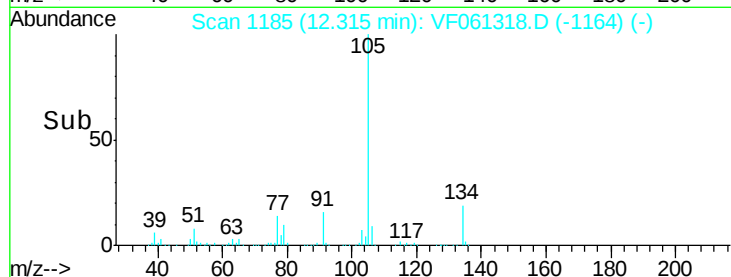
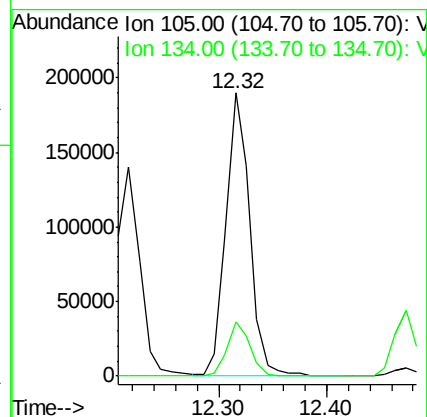
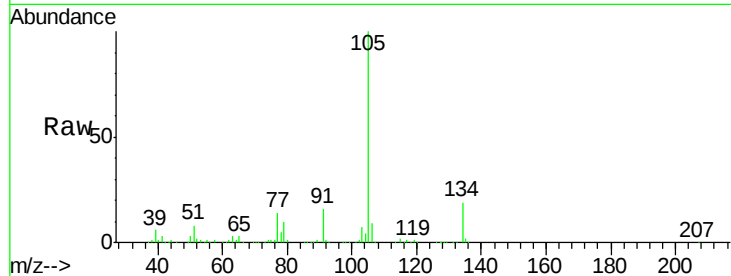
134 19.0 9.7 28.9

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#86

p-Isopropyltoluene

Concen: 19.967 ug/l

RT: 12.47 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VF061318.D

Acq: 10 Jan 2019 1:16

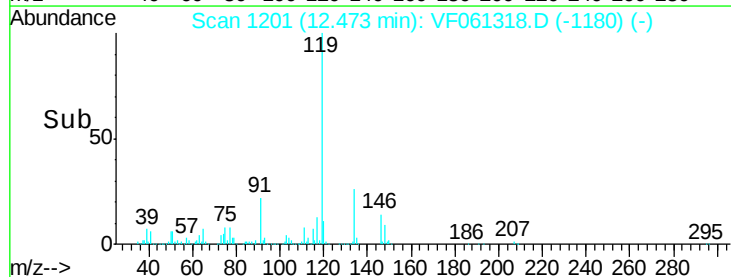
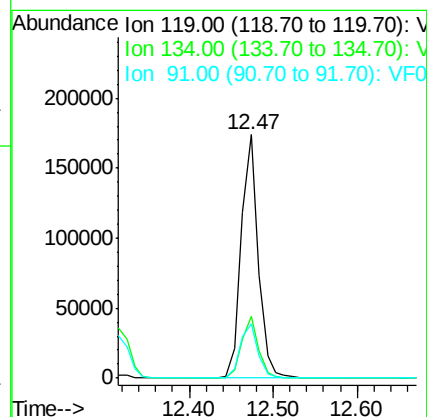
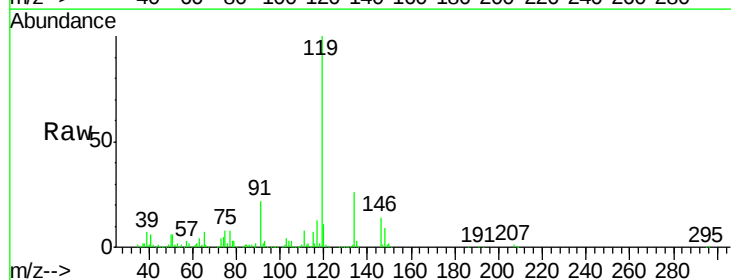
Tgt Ion:119 Resp: 244901

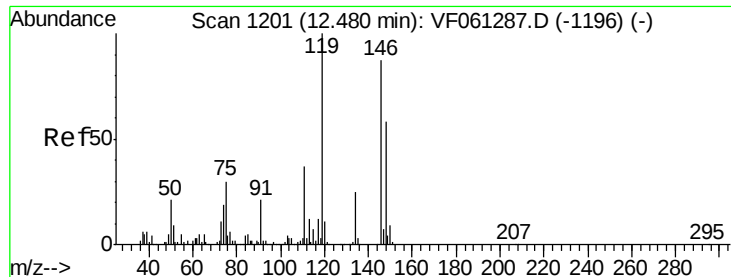
Ion Ratio Lower Upper

119 100

134 25.5 13.0 39.0

91 22.4 12.2 36.4





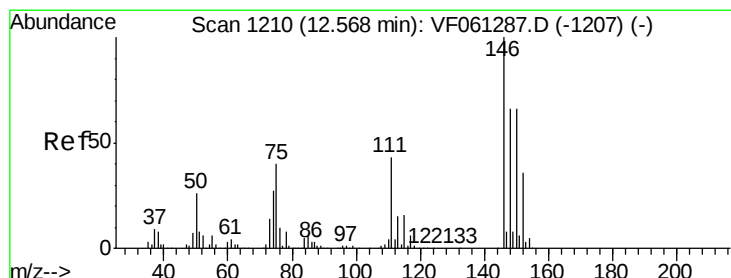
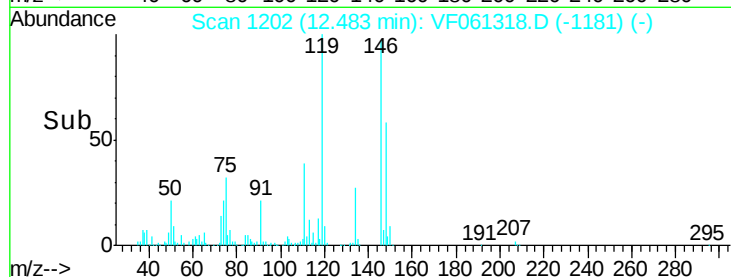
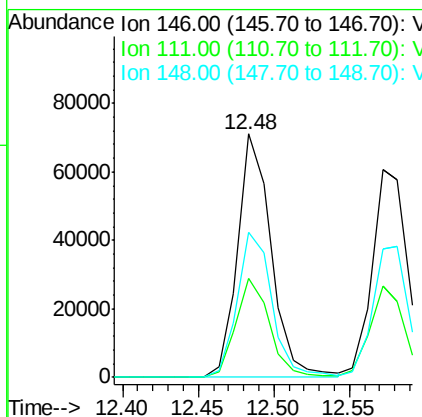
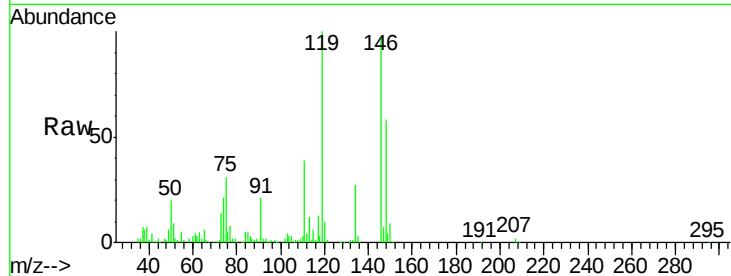
#87  
 1,3-Dichlorobenzene  
 Concen: 21.176 ug/l  
 RT: 12.48 min Scan# 1202  
 Delta R.T. 0.00 min  
 Lab File: VF061318.D  
 Acq: 10 Jan 2019 1:16

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0109SBS03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.7  | 21.1  | 63.3  |
| 148     | 59.6  | 33.1  | 99.5  |

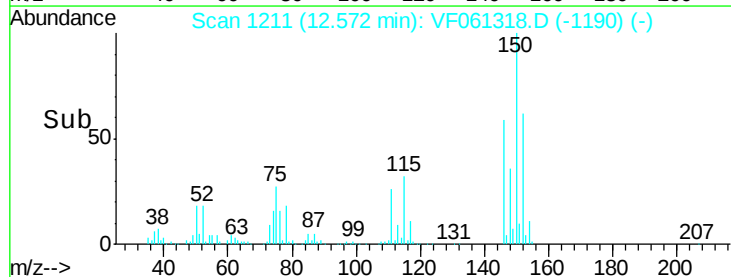
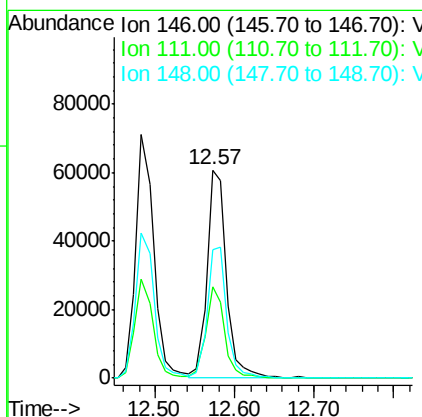
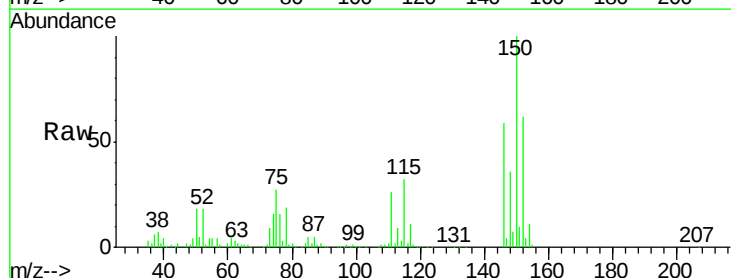
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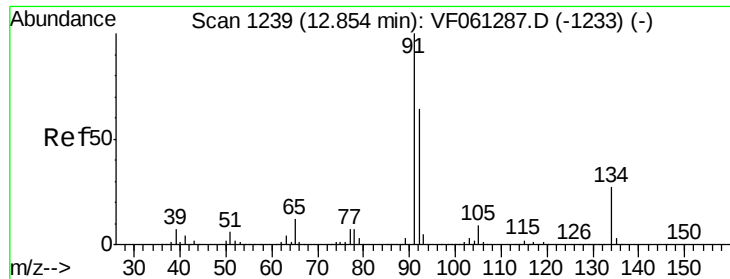
MMDadoda  
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#88  
 1,4-Dichlorobenzene  
 Concen: 20.920 ug/l  
 RT: 12.57 min Scan# 1211  
 Delta R.T. 0.00 min  
 Lab File: VF061318.D  
 Acq: 10 Jan 2019 1:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 43.9  | 21.4  | 64.2  |
| 148     | 61.5  | 33.0  | 98.9  |





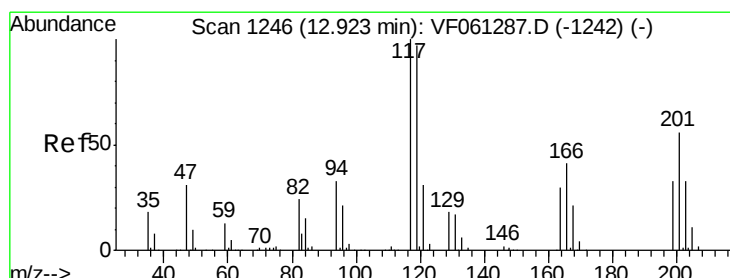
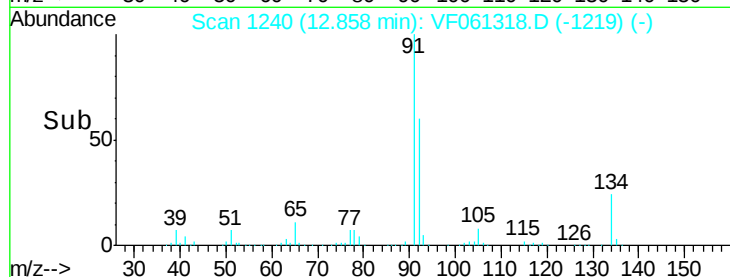
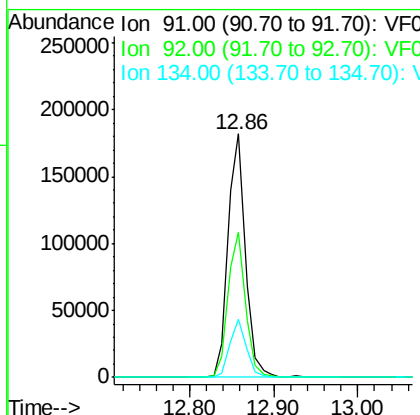
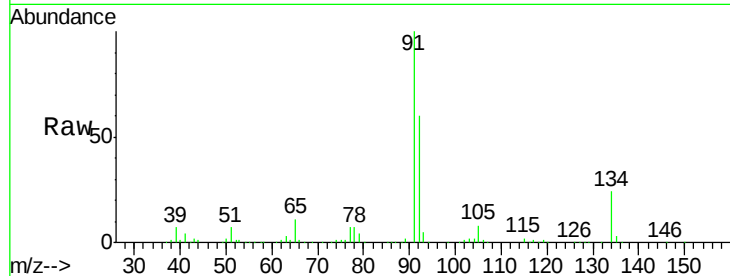
#89  
n-Butylbenzene  
Concen: 20.626 ug/l  
RT: 12.86 min Scan# 1240  
Delta R.T. 0.00 min  
Lab File: VF061318.D  
Acq: 10 Jan 2019 1:16

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0109SBS03

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 91      | 100   | 259933 |       |       |
| 92      | 59.7  |        | 32.1  | 96.3  |
| 134     | 23.7  |        | 13.4  | 40.1  |

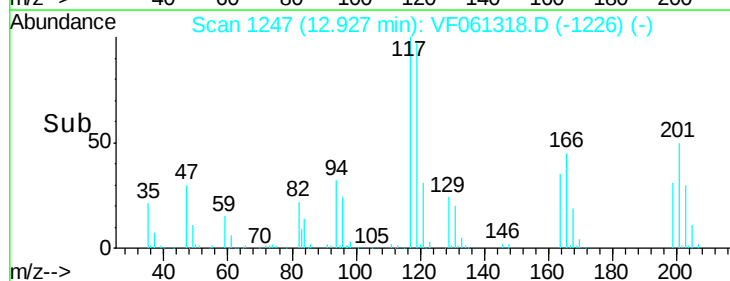
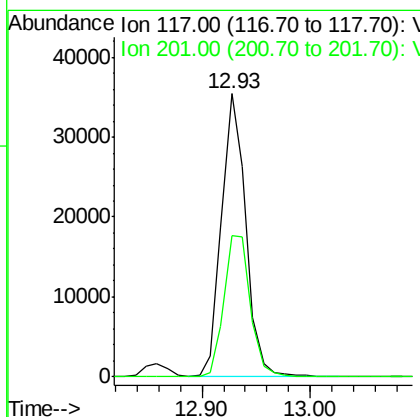
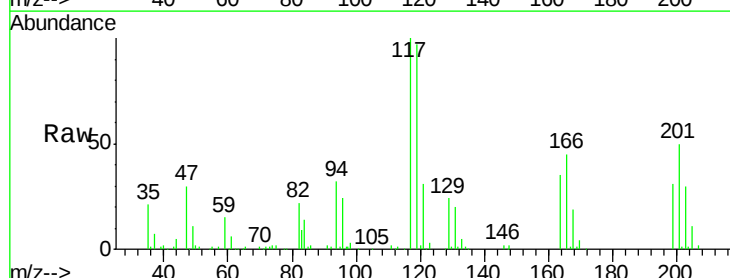
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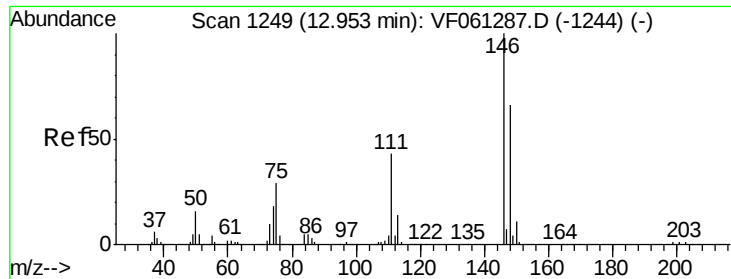
MMDadoda  
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#90  
Hexachloroethane  
Concen: 19.798 ug/l  
RT: 12.93 min Scan# 1247  
Delta R.T. 0.00 min  
Lab File: VF061318.D  
Acq: 10 Jan 2019 1:16

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 117     | 100   | 55547 |       |       |
| 201     | 49.9  |       | 27.9  | 83.7  |





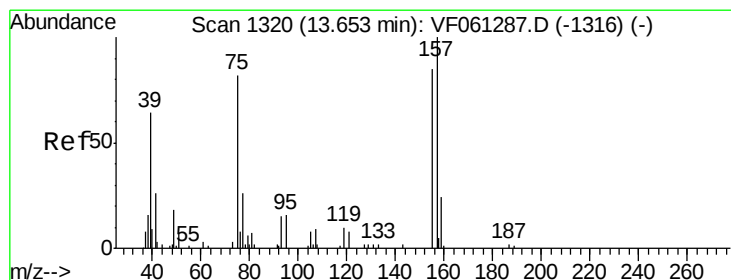
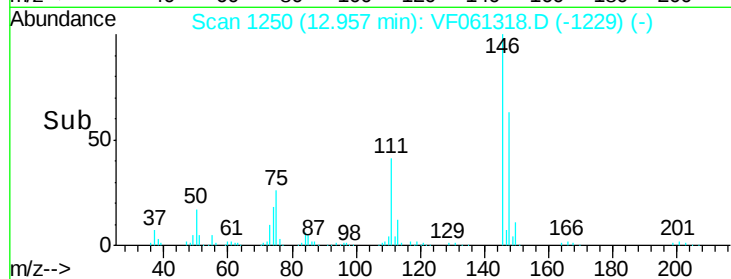
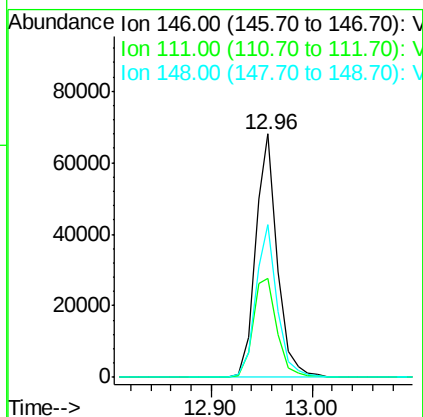
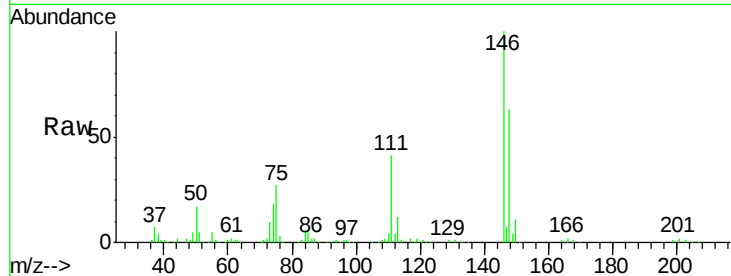
#91  
 1,2-Dichlorobenzene  
 Concen: 20.624 ug/l  
 RT: 12.96 min Scan# 1250  
 Delta R.T. 0.00 min  
 Lab File: VF061318.D  
 Acq: 10 Jan 2019 1:16

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0109SBS03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.9  | 21.4  | 64.3  |
| 148     | 62.7  | 33.1  | 99.2  |

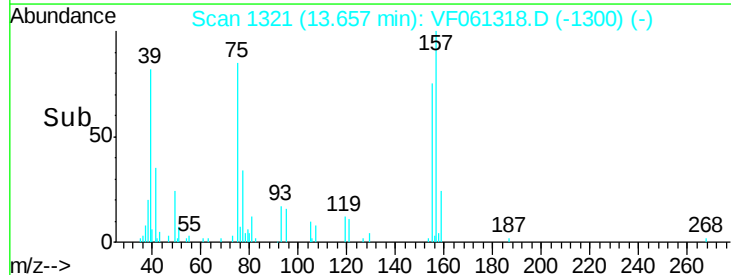
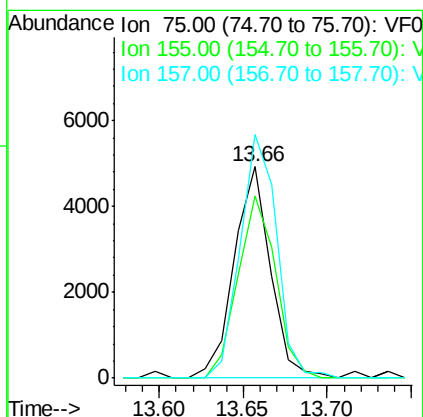
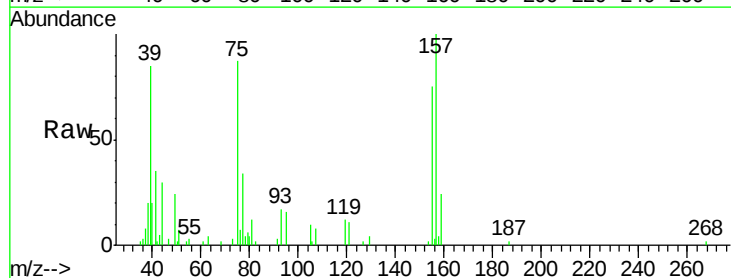
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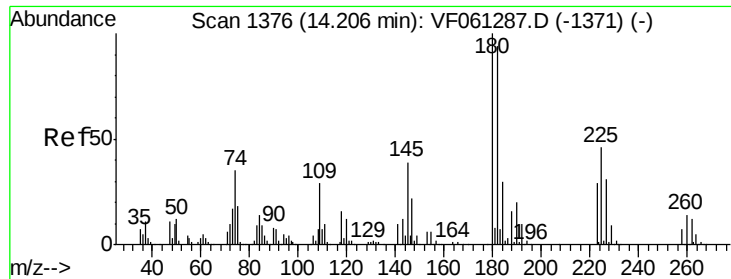
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 20.733 ug/l  
 RT: 13.66 min Scan# 1321  
 Delta R.T. 0.00 min  
 Lab File: VF061318.D  
 Acq: 10 Jan 2019 1:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 86.4  | 51.3  | 154.0 |
| 157     | 115.2 | 60.7  | 182.0 |





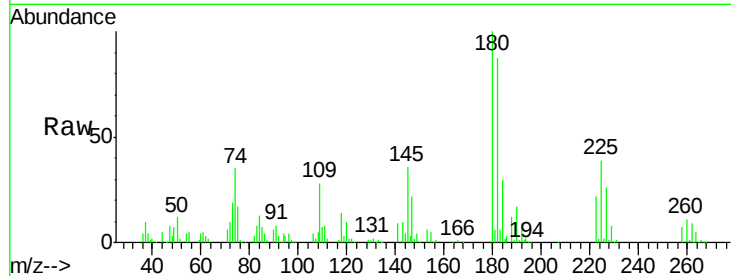
#93  
 1,2,4-Trichlorobenzene  
 Concen: 20.276 ug/l  
 RT: 14.21 min Scan# 1377  
 Delta R.T. 0.00 min  
 Lab File: VF061318.D  
 Acq: 10 Jan 2019 1:16

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0109SBS03

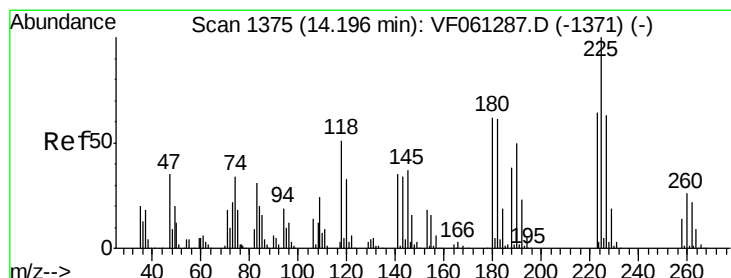
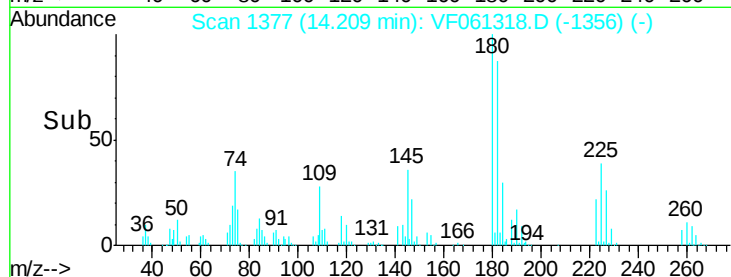
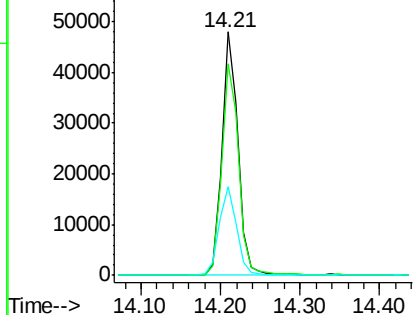
| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 69123 |       |       |
| 182     | 86.8  | 47.0  | 141.2 |       |
| 145     | 36.2  | 19.7  | 59.1  |       |

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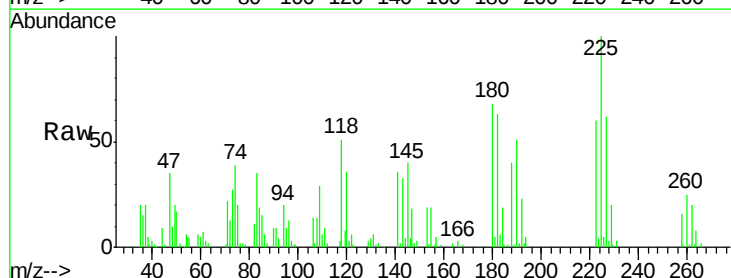


Abundance Ion 180.00 (179.70 to 180.70): V  
 Ion 182.00 (181.70 to 182.70): V  
 Ion 145.00 (144.70 to 145.70): V

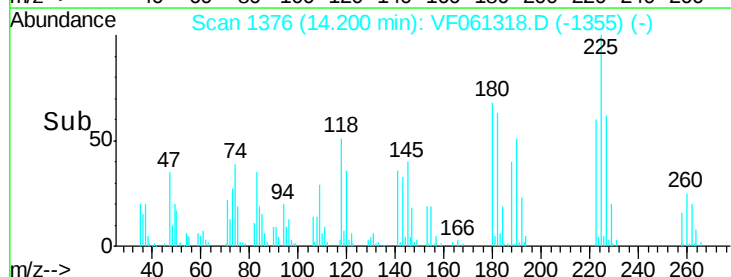
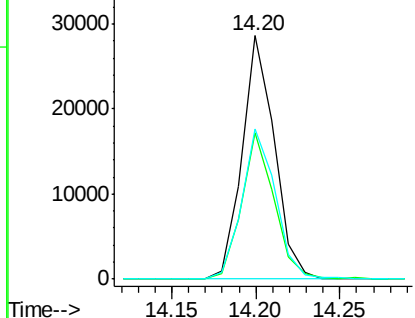


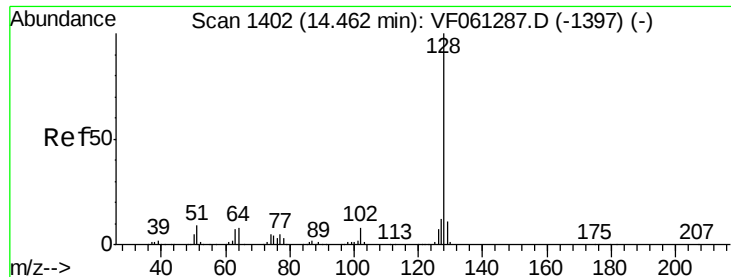
#94  
 Hexachlorobutadiene  
 Concen: 17.310 ug/l  
 RT: 14.20 min Scan# 1376  
 Delta R.T. 0.00 min  
 Lab File: VF061318.D  
 Acq: 10 Jan 2019 1:16

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 37990 |       |       |
| 223     | 60.1  | 31.8  | 95.4  |       |
| 227     | 61.6  | 31.3  | 93.9  |       |



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





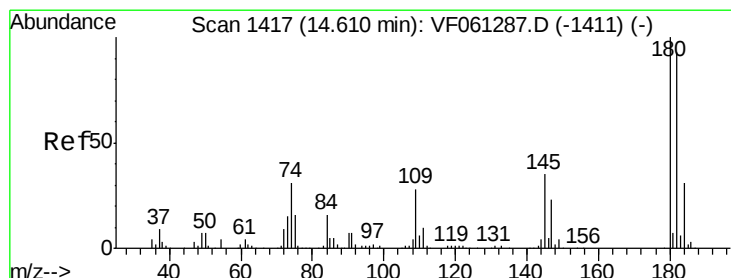
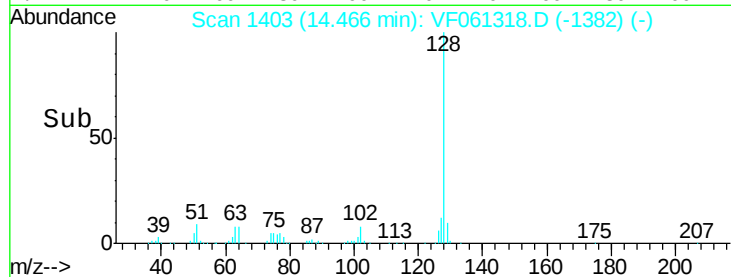
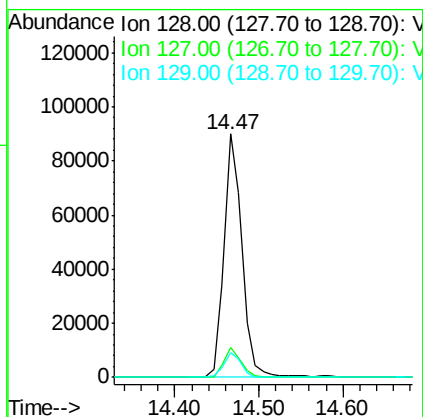
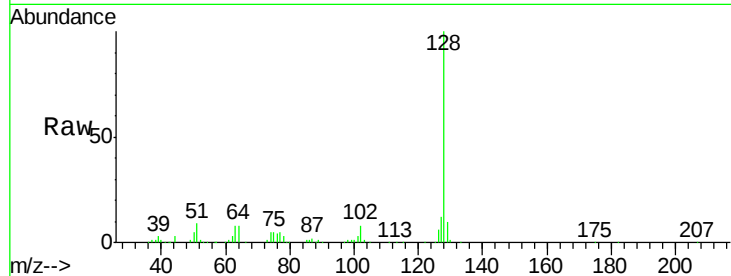
#95  
Naphthalene  
Concen: 20.935 ug/l  
RT: 14.47 min Scan# 1403  
Delta R.T. 0.00 min  
Lab File: VF061318.D  
Acq: 10 Jan 2019 1:16

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0109SBS03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.4  | 9.4   | 14.0  |
| 129     | 10.3  | 8.8   | 13.2  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 19.631 ug/l  
RT: 14.61 min Scan# 1418  
Delta R.T. 0.00 min  
Lab File: VF061318.D  
Acq: 10 Jan 2019 1:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 91.8  | 46.5  | 139.3 |
| 145     | 37.4  | 17.5  | 52.6  |

