

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010919\  
 Data File : VF061336.D  
 Acq On : 10 Jan 2019 10:05  
 Operator : VA/AP  
 Sample : VF0110SBSD03  
 Misc : 5.00µg/5mL/MSVOA-F/SOIL  
 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0110SBSD03

Manual Integrations  
 APPROVED

MMDadoda  
 1/10/2019 3:33:33 PM

Quant Time: Jan 10 12:03:02 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         | 4.88  | 168  | 204814   | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene       | 5.61  | 114  | 346106   | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5          | 9.78  | 117  | 335216   | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.55 | 152  | 173143   | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds   |       |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4     | 4.86  | 65   | 113979   | 50.00   | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 100.00% |          |
| 35) Dibromofluoromethane      | 4.12  | 113  | 124558   | 47.03   | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 94.06%  |          |
| 50) Toluene-d8                | 7.56  | 98   | 387709   | 49.47   | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 98.94%  |          |
| 62) 4-Bromofluorobenzene      | 11.42 | 95   | 178092   | 52.04   | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 104.08% |          |
| Target Compounds              |       |      |          |         |         |          |
|                               |       |      |          |         | Qvalue  |          |
| 2) Dichlorodifluoromethane    | 0.96  | 85   | 73755    | 19.522  | ug/l    | 91       |
| 3) Chloromethane              | 1.09  | 50   | 57174    | 16.983  | ug/l    | 90       |
| 4) Vinyl Chloride             | 1.14  | 62   | 39098    | 13.003  | ug/l    | 98       |
| 5) Bromomethane               | 1.31  | 94   | 25904    | 12.379  | ug/l    | 93       |
| 6) Chloroethane               | 1.39  | 64   | 15844    | 10.790  | ug/l    | 95       |
| 7) Trichlorofluoromethane     | 1.49  | 101  | 78752    | 15.450  | ug/l    | 92       |
| 8) Diethyl Ether              | 1.63  | 74   | 8636     | 11.537  | ug/l    | 87       |
| 9) 1,1,2-Trichlorotrifluoroet | 1.84  | 101  | 31403    | 11.667  | ug/l #  | 86       |
| 10) Methyl Iodide             | 1.91  | 142  | 49048m   | 11.632  | ug/l    |          |
| 11) Tert butyl alcohol        | 2.58  | 59   | 6717     | 73.591  | ug/l #  | 86       |
| 12) 1,1-Dichloroethene        | 1.79  | 96   | 21775m   | 10.117  | ug/l    |          |
| 13) Acrolein                  | 2.01  | 56   | 3897     | 19.744  | ug/l    | 88       |
| 14) Allyl chloride            | 2.10  | 41   | 37095    | 9.429   | ug/l #  | 81       |
| 15) Acrylonitrile             | 2.95  | 53   | 15295    | 47.270  | ug/l    | 92       |
| 16) Acetone                   | 2.24  | 43   | 47623    | 89.801  | ug/l #  | 85       |
| 17) Carbon Disulfide          | 1.80  | 76   | 63898    | 8.988   | ug/l    | 99       |
| 18) Methyl Acetate            | 2.35  | 43   | 12528m   | 12.007  | ug/l    |          |
| 19) Methyl tert-butyl Ether   | 2.43  | 73   | 54432    | 13.272  | ug/l    | 100      |
| 20) Methylene Chloride        | 2.19  | 84   | 20887m   | 9.310   | ug/l    |          |
| 21) trans-1,2-Dichloroethene  | 2.31  | 96   | 22608    | 9.913   | ug/l #  | 79       |
| 22) Diisopropyl ether         | 2.81  | 45   | 83024    | 10.908  | ug/l #  | 94       |
| 23) Vinyl Acetate             | 3.19  | 43   | 198114   | 89.008  | ug/l    | 96       |
| 24) 1,1-Dichloroethane        | 2.88  | 63   | 53582    | 12.170  | ug/l    | 96       |
| 25) 2-Butanone                | 4.35  | 43   | 94219    | 110.387 | ug/l    | 97       |
| 26) 2,2-Dichloropropane       | 3.61  | 77   | 46446    | 15.787  | ug/l    | 89       |
| 27) cis-1,2-Dichloroethene    | 3.49  | 96   | 57121    | 17.939  | ug/l    | 90       |
| 28) Bromochloromethane        | 3.73  | 49   | 36401    | 18.752  | ug/l #  | 84       |
| 29) Tetrahydrofuran           | 4.08  | 42   | 34718    | 97.285  | ug/l    | 97       |
| 30) Chloroform                | 3.87  | 83   | 100497   | 17.982  | ug/l    | 99       |
| 31) Cyclohexane               | 3.69  | 56   | 84430    | 18.280  | ug/l    | 86       |
| 32) 1,1,1-Trichloroethane     | 4.10  | 97   | 75072    | 16.630  | ug/l    | 96       |
| 36) 1,1-Dichloropropene       | 4.30  | 75   | 79076    | 19.565  | ug/l    | 98       |
| 37) Ethyl Acetate             | 4.12  | 43   | 30228    | 20.538  | ug/l #  | 65       |
| 38) Carbon Tetrachloride      | 4.00  | 117  | 64099    | 16.745  | ug/l    | 98       |

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 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleID :  
 VF0110SBSD03

Manual Integrations  
 APPROVED

MMDadoda  
 1/10/2019 3:33:33 PM

Quant Time: Jan 10 12:03:02 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          | 5.46  | 83   | 91030    | 18.000  | ug/l   | 94       |
| 40) Benzene                    | 4.64  | 78   | 185206   | 19.628  | ug/l   | 97       |
| 41) Methacrylonitrile          | 4.75  | 41   | 19979    | 24.308  | ug/l # | 88       |
| 42) 1,2-Dichloroethane         | 4.95  | 62   | 58693    | 19.979  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 6.96  | 43   | 42509    | 21.876  | ug/l # | 100      |
| 44) Trichloroethene            | 5.51  | 130  | 58762    | 21.279  | ug/l   | 94       |
| 45) 1,2-Dichloropropane        | 6.24  | 63   | 50193    | 20.918  | ug/l   | 92       |
| 46) Dibromomethane             | 6.09  | 93   | 30784    | 20.895  | ug/l   | 95       |
| 47) Bromodichloromethane       | 6.40  | 83   | 70886    | 19.346  | ug/l   | 98       |
| 48) Methyl methacrylate        | 6.72  | 41   | 26147    | 20.730  | ug/l   | 94       |
| 49) 1,4-Dioxane                | 6.71  | 88   | 4014     | 504.361 | ug/l # | 74       |
| 51) 4-Methyl-2-Pentanone       | 8.26  | 43   | 158396   | 107.995 | ug/l   | 99       |
| 52) Toluene                    | 7.63  | 92   | 121219   | 19.987  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 8.28  | 75   | 53580    | 18.620  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene    | 7.31  | 75   | 78491    | 20.573  | ug/l   | 91       |
| 55) 1,1,2-Trichloroethane      | 8.50  | 97   | 33791    | 19.910  | ug/l   | 91       |
| 56) Ethyl methacrylate         | 8.63  | 69   | 39448    | 20.797  | ug/l   | 96       |
| 57) 1,3-Dichloropropane        | 8.86  | 76   | 65096    | 21.673  | ug/l   | 94       |
| 58) 2-Chloroethyl Vinyl ether  | 7.30  | 63   | 8528     | 105.502 | ug/l   | 98       |
| 59) 2-Hexanone                 | 9.49  | 43   | 130596   | 125.684 | ug/l   | 93       |
| 60) Dibromochloromethane       | 8.73  | 129  | 43642    | 19.311  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 8.99  | 107  | 36506    | 21.102  | ug/l   | 96       |
| 64) Tetrachloroethene          | 8.16  | 164  | 50695    | 20.771  | ug/l   | 95       |
| 65) Chlorobenzene              | 9.80  | 112  | 139341   | 20.585  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 9.94  | 131  | 51246    | 18.553  | ug/l   | 96       |
| 67) Ethyl Benzene              | 9.91  | 91   | 260965   | 19.995  | ug/l   | 96       |
| 68) m/p-Xylenes                | 10.14 | 106  | 202467   | 44.472  | ug/l   | 97       |
| 69) o-Xylene                   | 10.72 | 106  | 100882   | 19.837  | ug/l   | 89       |
| 70) Styrene                    | 10.80 | 104  | 138309   | 20.415  | ug/l   | 98       |
| 71) Bromoform                  | 10.78 | 173  | 21605    | 19.139  | ug/l # | 99       |
| 73) Isopropylbenzene           | 11.13 | 105  | 308583   | 20.254  | ug/l   | 97       |
| 74) N-amyl acetate             | 11.38 | 43   | 78444    | 22.650  | ug/l   | 94       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.70 | 83   | 48000    | 19.870  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 11.80 | 75   | 36015    | 20.327  | ug/l   | 92       |
| 77) Bromobenzene               | 11.50 | 156  | 63312    | 20.888  | ug/l   | 91       |
| 78) n-propylbenzene            | 11.60 | 91   | 359448   | 19.787  | ug/l   | 95       |
| 79) 2-Chlorotoluene            | 11.72 | 91   | 202603   | 20.018  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 11.83 | 105  | 255499   | 21.075  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 11.87 | 75   | 13297m   | 17.174  | ug/l   |          |
| 82) 4-Chlorotoluene            | 11.90 | 91   | 202851   | 19.725  | ug/l   | 94       |
| 83) tert-Butylbenzene          | 12.14 | 119  | 255975   | 21.193  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 12.21 | 105  | 287463   | 23.883  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 12.32 | 105  | 344000   | 20.003  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 12.46 | 119  | 282224   | 20.176  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene        | 12.48 | 146  | 121026   | 20.446  | ug/l   | 96       |
| 88) 1,4-Dichlorobenzene        | 12.57 | 146  | 118546   | 20.832  | ug/l   | 97       |
| 89) n-Butylbenzene             | 12.85 | 91   | 291859   | 20.307  | ug/l   | 95       |
| 90) Hexachloroethane           | 12.93 | 117  | 56208    | 17.566  | ug/l   | 85       |
| 91) 1,2-Dichlorobenzene        | 12.95 | 146  | 117150   | 20.735  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.65 | 75   | 7357     | 18.025  | ug/l   | 94       |

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Acq On : 10 Jan 2019 10:05  
Operator : VA/AP  
Sample : VF0110SBSD03  
Misc : 5.00µ/5mL/MSVOA-F/SOIL  
ALS Vial : 49 Sample Multiplier: 1

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0110SBSD03

Manual Integrations  
APPROVED

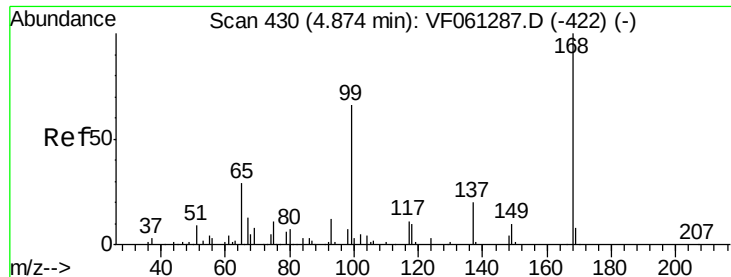
MMDadoda  
1/10/2019 3:33:33 PM

Quant Time: Jan 10 12:03:02 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  | 80989    | 20.831 | µg/l  | 93       |
| 94) Hexachlorobutadiene    | 14.20 | 225  | 46790    | 18.694 | µg/l  | 98       |
| 95) Naphthalene            | 14.47 | 128  | 148040   | 20.205 | µg/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.60 | 180  | 70007    | 19.115 | µg/l  | 95       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.00 min

Lab File: VF061336.D

Acq: 10 Jan 2019 10:05

Instrument :

MSVOA\_F

ClientSampleId :

VF0110SBSD03

Tot Ion:168 Resp: 204814

Ion Ratio Lower Upper

168 100

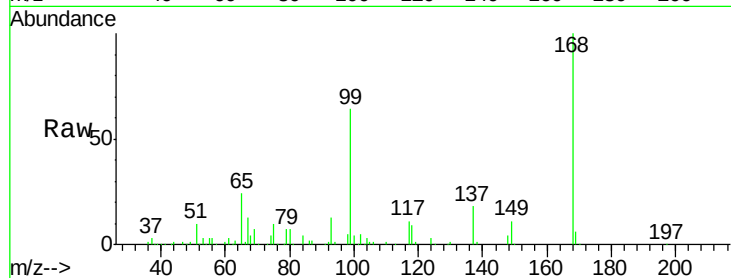
99 64.2 52.7 79.1

Manual Integrations

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1/10/2019 3:33:33 PM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

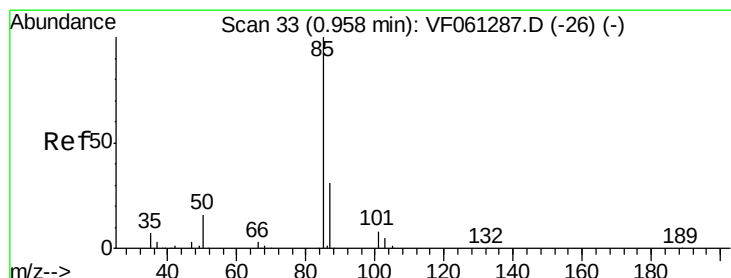
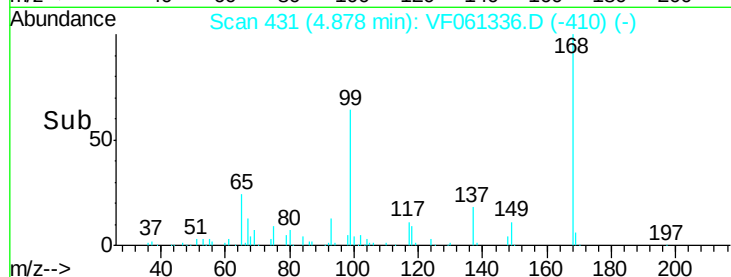
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 19.522 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF061336.D

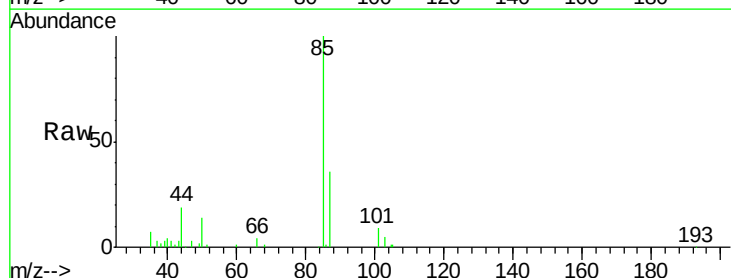
Acq: 10 Jan 2019 10:05

Tgt Ion: 85 Resp: 73755

Ion Ratio Lower Upper

85 100

87 35.6 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

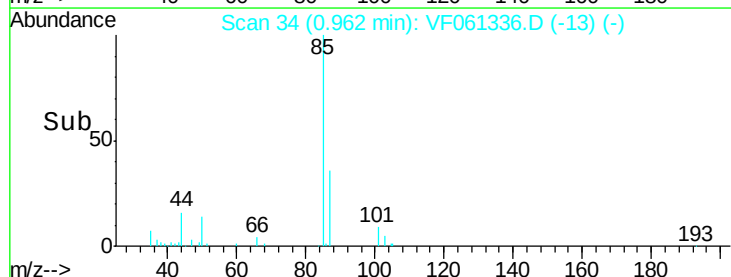
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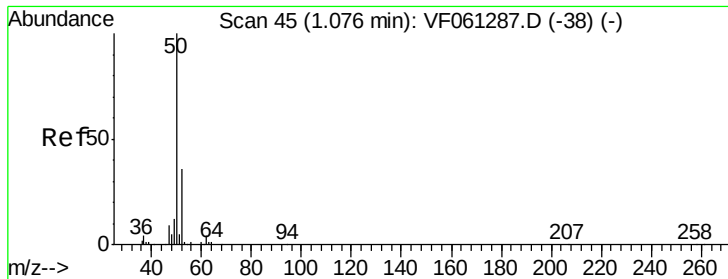
10000

5000

0

Time--> 0.90 1.00 1.10





#3

Chloromethane

Concen: 16.983 ug/l

RT: 1.09 min Scan# 47

Delta R.T. 0.01 min

Lab File: VF061336.D

Acq: 10 Jan 2019 10:05

Instrument :

MSVOA\_F

ClientSampleId :

VF0110SBSD03

Tot Ion: 50 Resp: 57174

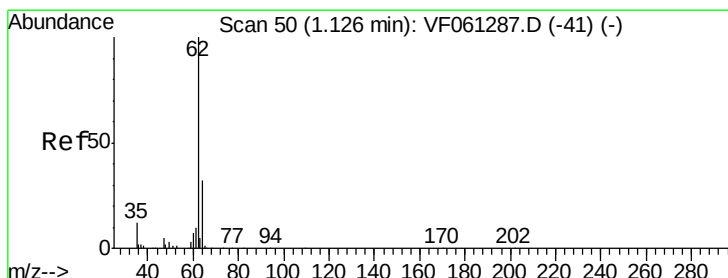
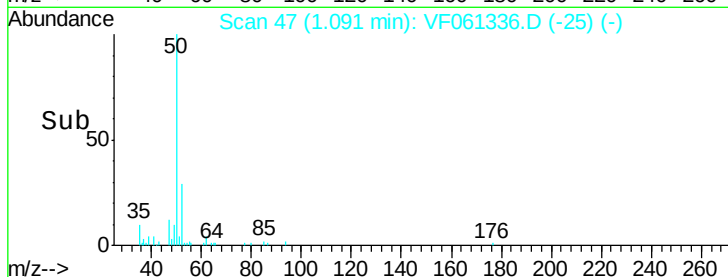
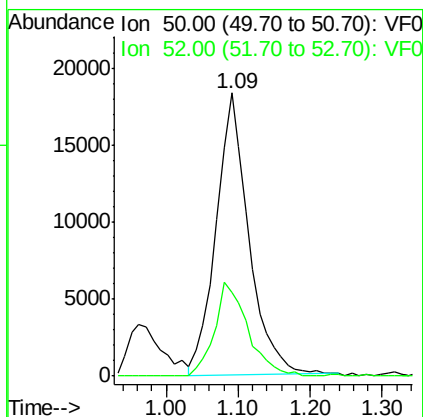
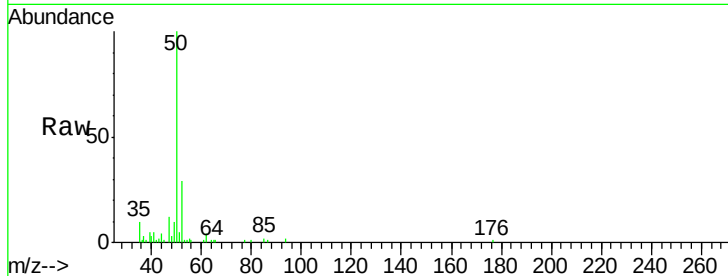
Ion Ratio Lower Upper

50 100

52 29.4 28.2 42.2

Manual Integrations  
APPROVED

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1/10/2019 3:33:33 PM



#4

Vinyl Chloride

Concen: 13.003 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.01 min

Lab File: VF061336.D

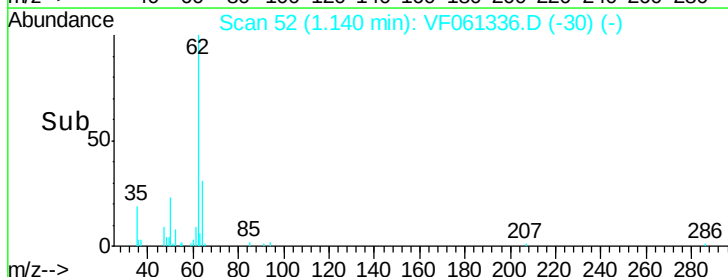
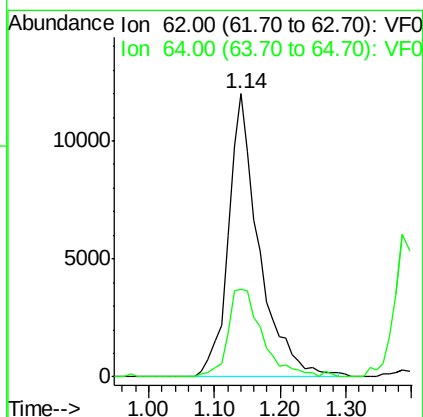
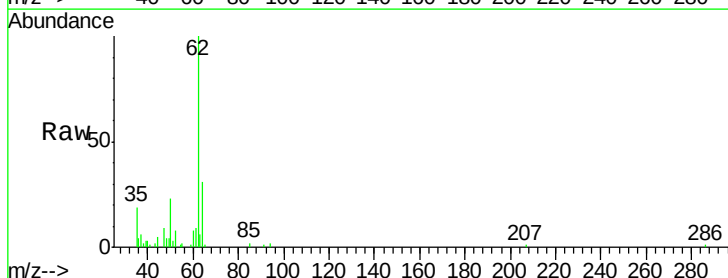
Acq: 10 Jan 2019 10:05

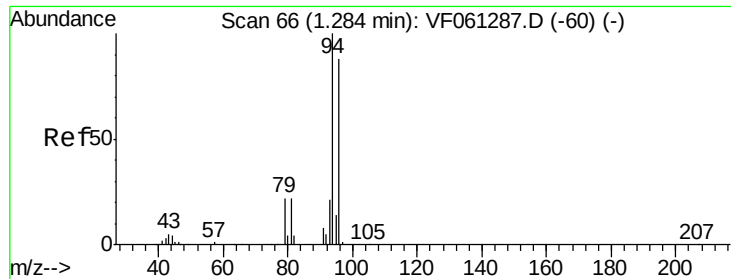
Tgt Ion: 62 Resp: 39098

Ion Ratio Lower Upper

62 100

64 30.8 25.4 38.0





#5

Bromomethane

Concen: 12.379 ug/l

RT: 1.31 min Scan# 69

Delta R.T. 0.02 min

Lab File: VF061336.D

Acq: 10 Jan 2019 10:05

Instrument :

MSVOA\_F

ClientSampleId :

VF0110SBSD03

Tot Ion: 94 Resp: 25904

Ion Ratio Lower Upper

94 100

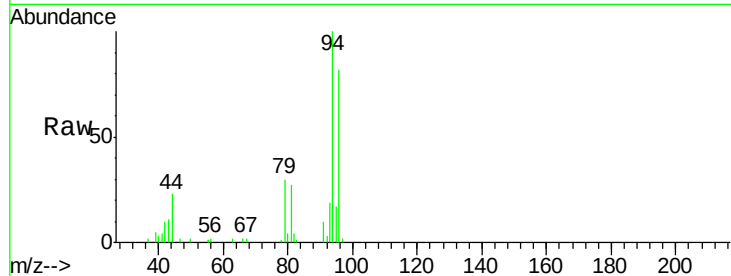
96 81.7 70.2 105.4

Manual Integrations

APPROVED

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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.31

8000

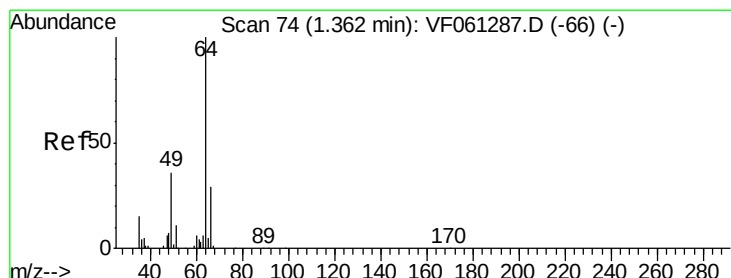
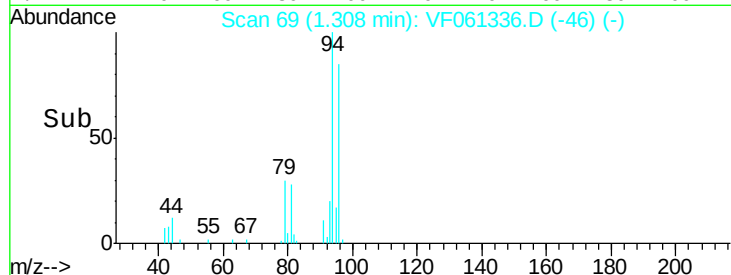
6000

4000

2000

0

Time-->



#6

Chloroethane

Concen: 10.790 ug/l

RT: 1.39 min Scan# 77

Delta R.T. 0.02 min

Lab File: VF061336.D

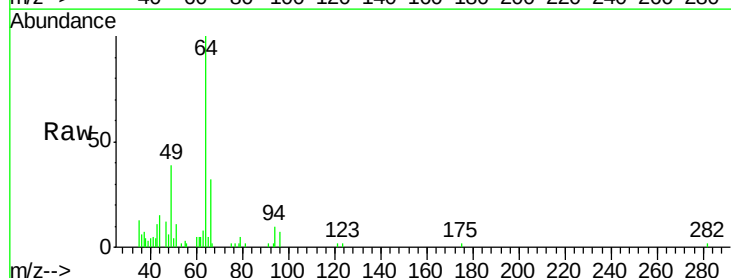
Acq: 10 Jan 2019 10:05

Tgt Ion: 64 Resp: 15844

Ion Ratio Lower Upper

64 100

66 31.6 23.4 35.0



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

1.39

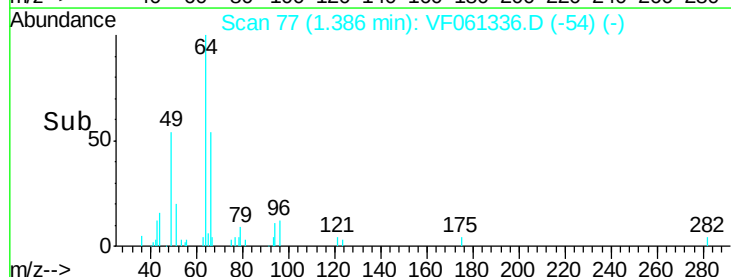
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4000

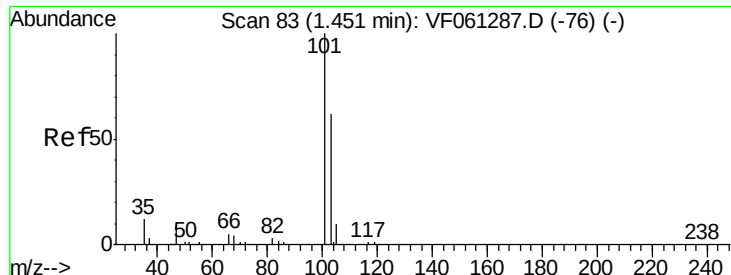
2000

0

Time-->







#7

Trichlorofluoromethane

Concen: 15.450 ug/l

RT: 1.49 min Scan# 87

Delta R.T. 0.03 min

Lab File: VF061336.D

Acq: 10 Jan 2019 10:05

Instrument :

MSVOA\_F

ClientSampleId :

VF0110SBSD03

Tot Ion:101 Resp: 78752

Ion Ratio Lower Upper

101 100

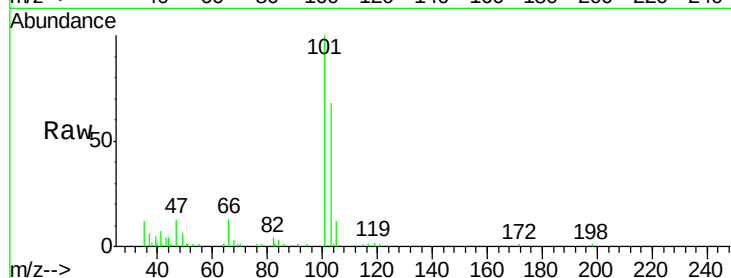
103 68.3 49.9 74.9

Manual Integrations

APPROVED

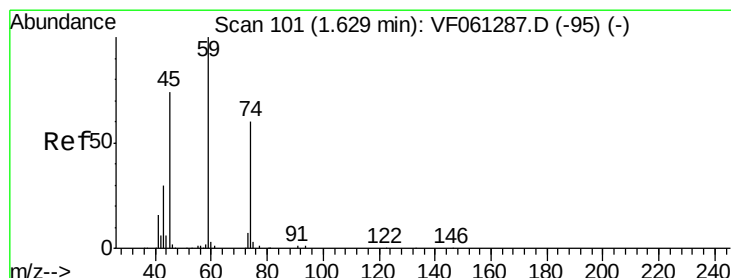
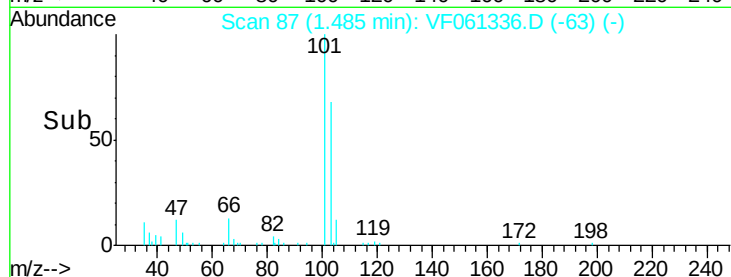
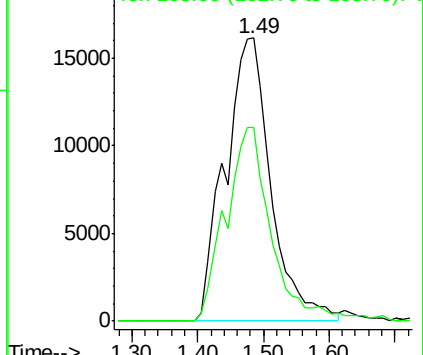
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 11.537 ug/l

RT: 1.63 min Scan# 102

Delta R.T. 0.00 min

Lab File: VF061336.D

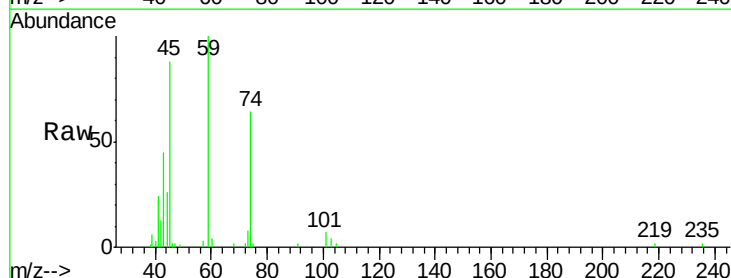
Acq: 10 Jan 2019 10:05

Tgt Ion: 74 Resp: 8636

Ion Ratio Lower Upper

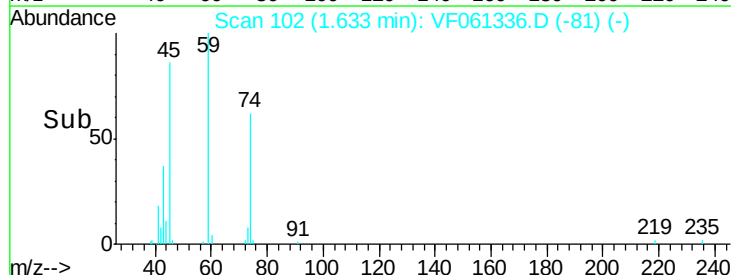
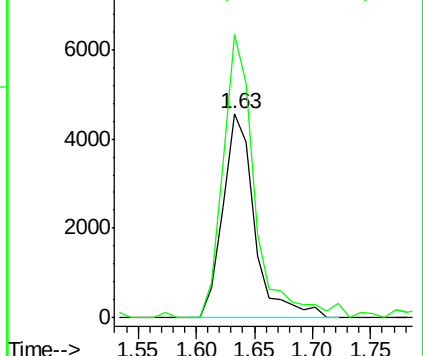
74 100

45 138.4 62.1 186.3

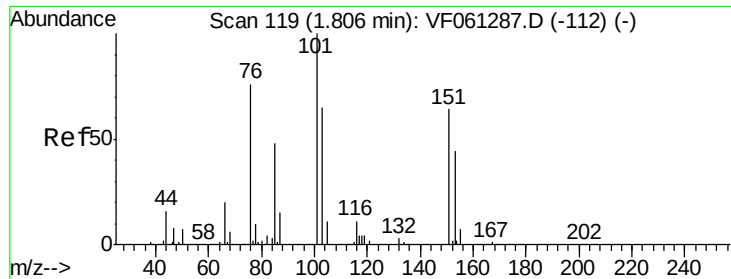


Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0







#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.667 ug/l

RT: 1.84 min Scan# 123

Delta R.T. 0.03 min

Lab File: VF061336.D

Acq: 10 Jan 2019 10:05

Instrument :

MSVOA\_F

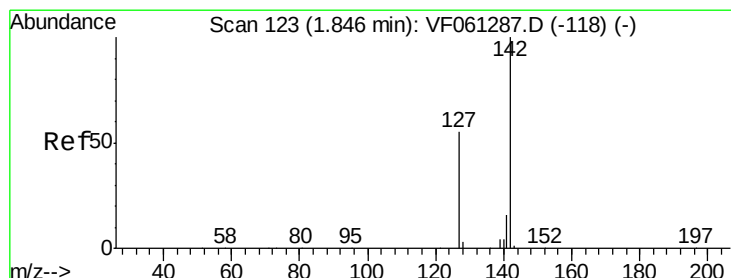
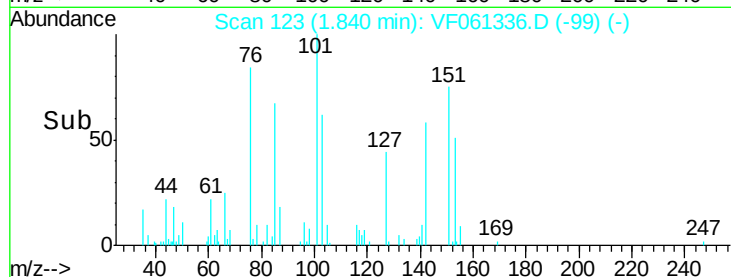
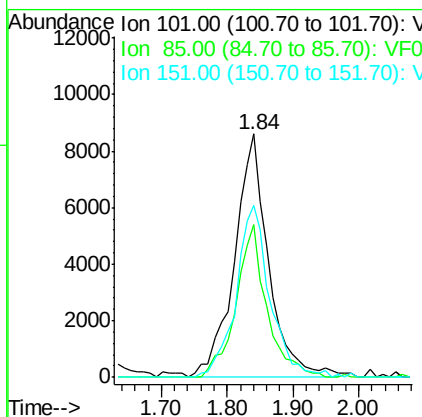
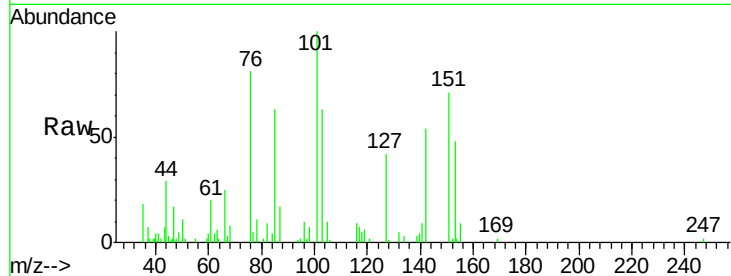
ClientSampleId :

VF0110SBSD03

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 31403 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 62.8  | 38.4  | 57.6# |
| 151       | 70.7  | 51.4  | 77.2  |

Manual Integrations  
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MMDadoda  
1/10/2019 3:33:33 PM



#10

Methyl Iodide

Concen: 11.632 ug/l m

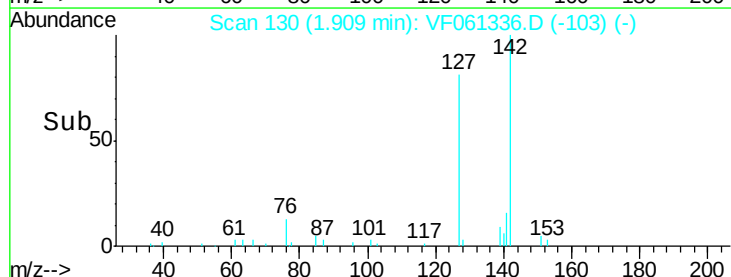
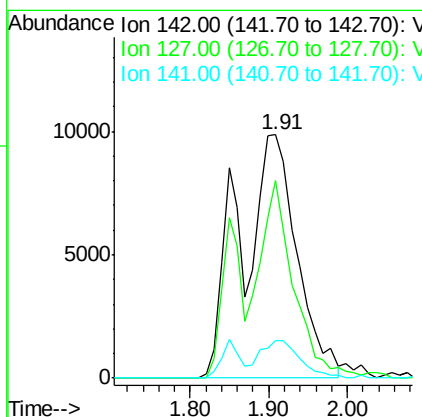
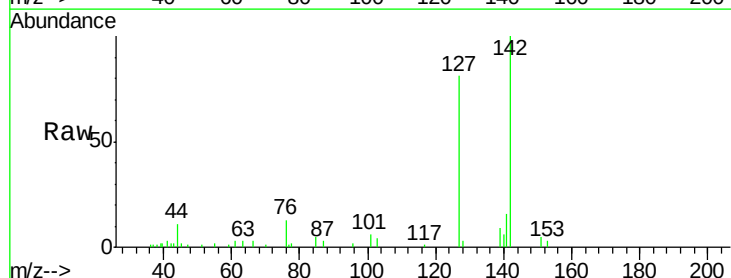
RT: 1.91 min Scan# 130

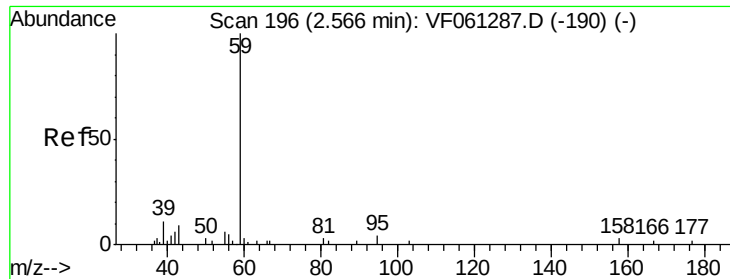
Delta R.T. 0.06 min

Lab File: VF061336.D

Acq: 10 Jan 2019 10:05

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 49048 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 81.3  | 44.3  | 66.5# |
| 141       | 15.5  | 13.2  | 19.8  |





#11

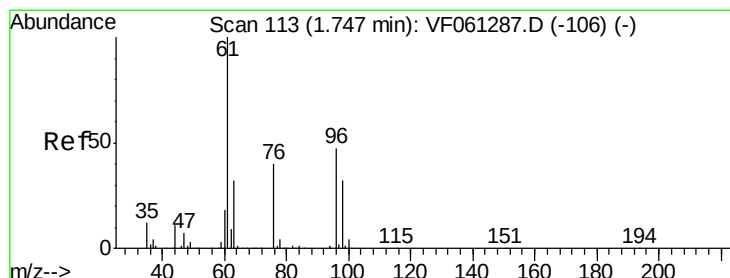
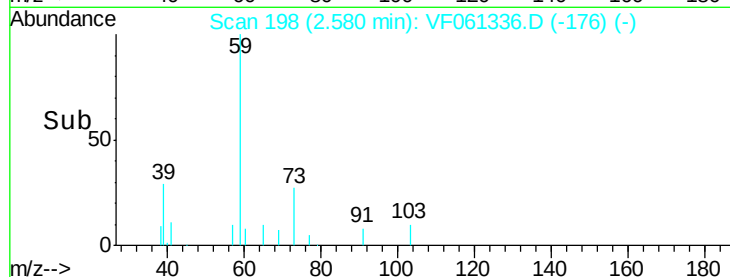
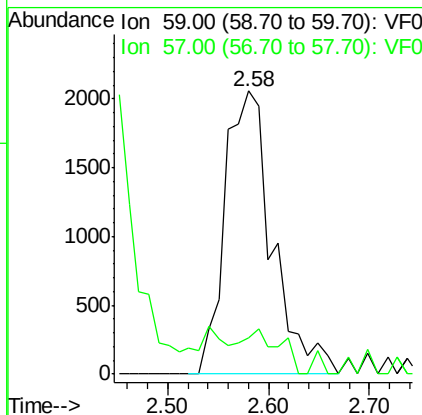
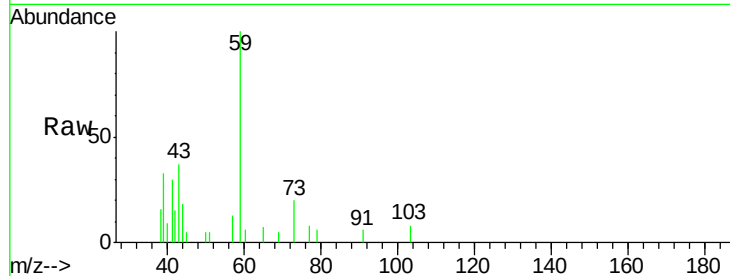
Tert butyl alcohol  
Concen: 73.591 ug/l  
RT: 2.58 min Scan# 198  
Delta R.T. 0.01 min  
Lab File: VF061336.D  
Acq: 10 Jan 2019 10:05

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0110SBSD03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 12.7  | 15.1  | 22.7# |

Manual Integrations  
APPROVED

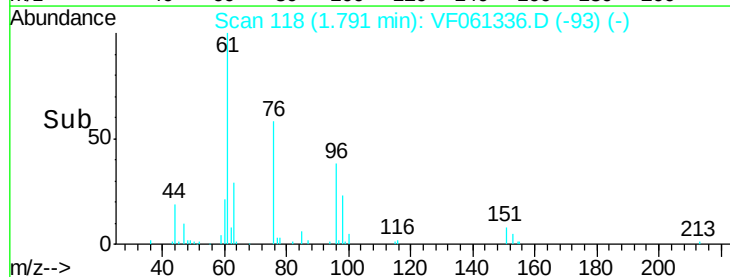
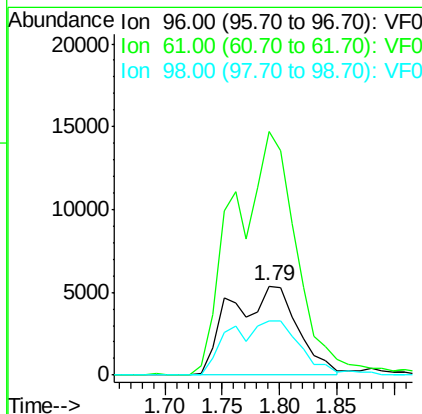
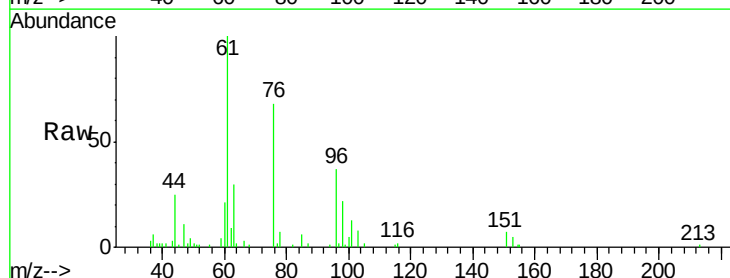
MMDadoda  
1/10/2019 3:33:33 PM

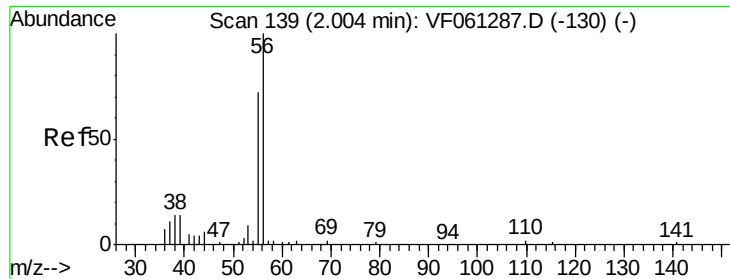


#12

1,1-Dichloroethene  
Concen: 10.117 ug/l m  
RT: 1.79 min Scan# 118  
Delta R.T. 0.04 min  
Lab File: VF061336.D  
Acq: 10 Jan 2019 10:05

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 96      | 100   |       |        |
| 61      | 272.8 | 171.8 | 257.8# |
| 98      | 61.1  | 54.2  | 81.4   |





#13

Acrolein

Concen: 19.744 ug/l

RT: 2.01 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF061336.D

Acq: 10 Jan 2019 10:05

Instrument :

MSVOA\_F

ClientSampleId :

VF0110SBSD03

Tot Ion: 56 Resp: 3897

Ion Ratio Lower Upper

56 100

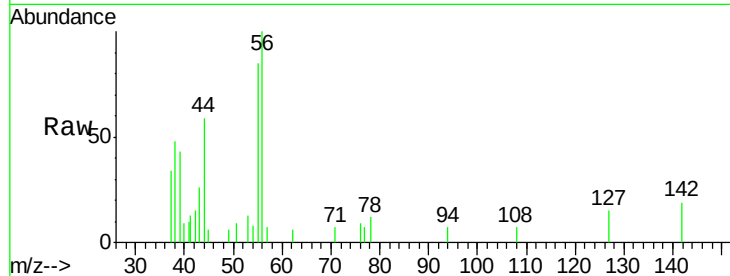
55 84.8 59.4 89.0

Manual Integrations

APPROVED

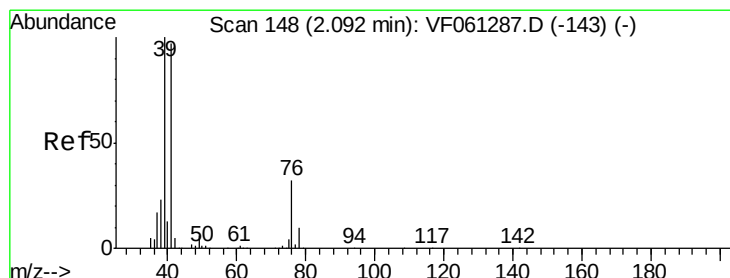
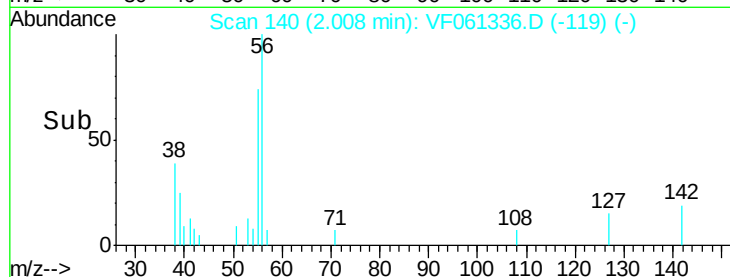
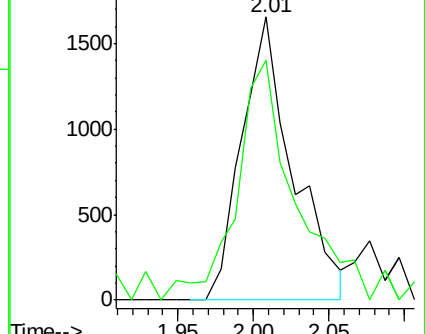
MMDadoda

1/10/2019 3:33:33 PM



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 9.429 ug/l

RT: 2.10 min Scan# 149

Delta R.T. 0.00 min

Lab File: VF061336.D

Acq: 10 Jan 2019 10:05

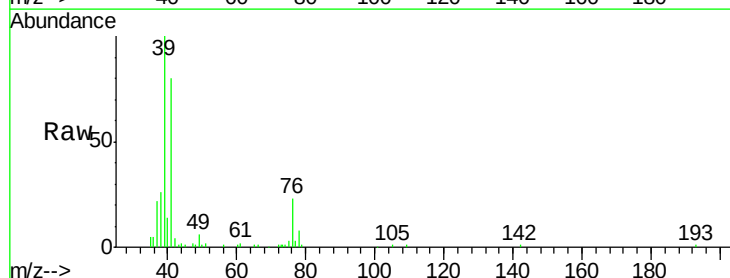
Tgt Ion: 41 Resp: 37095

Ion Ratio Lower Upper

41 100

39 125.5 82.6 123.8#

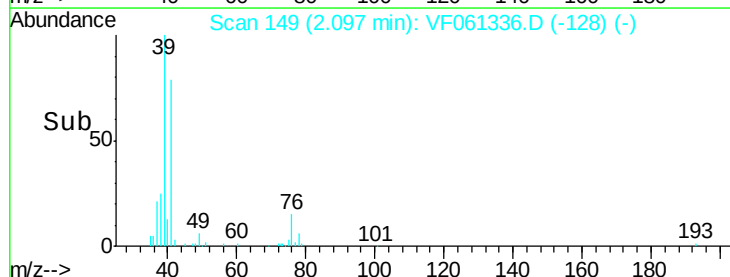
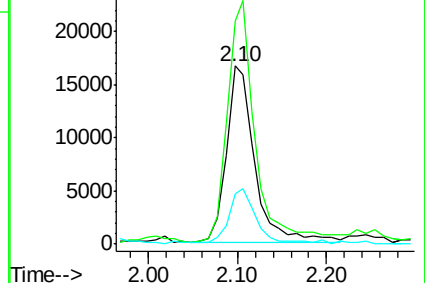
76 28.4 26.9 40.3

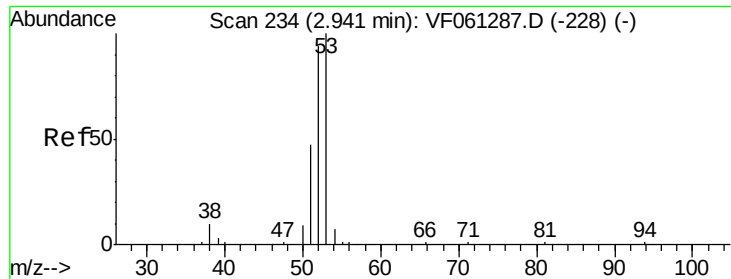


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





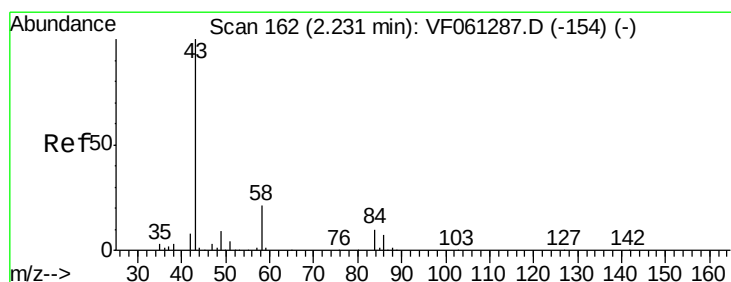
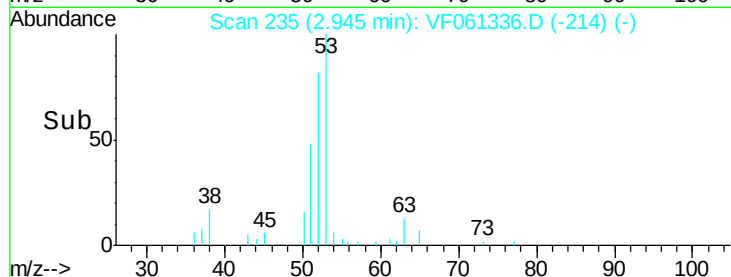
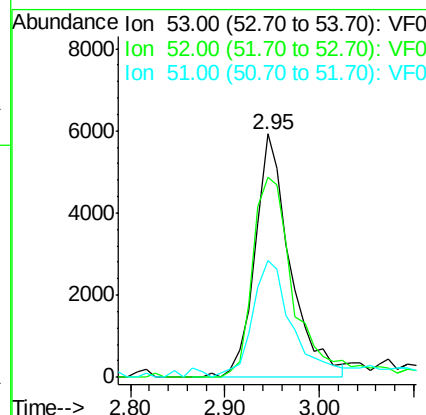
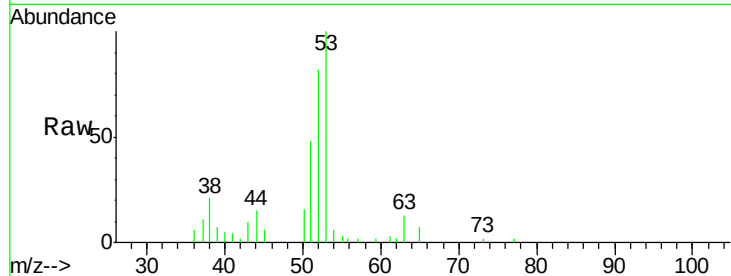
#15  
 Acrylonitrile  
 Concen: 47.270 ug/l  
 RT: 2.95 min Scan# 235  
 Delta R.T. 0.00 min  
 Lab File: VF061336.D  
 Acq: 10 Jan 2019 10:05

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0110SBSD03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 53      | 100   |       |       |
| 52      | 82.0  | 74.6  | 111.8 |
| 51      | 48.2  | 37.8  | 56.6  |

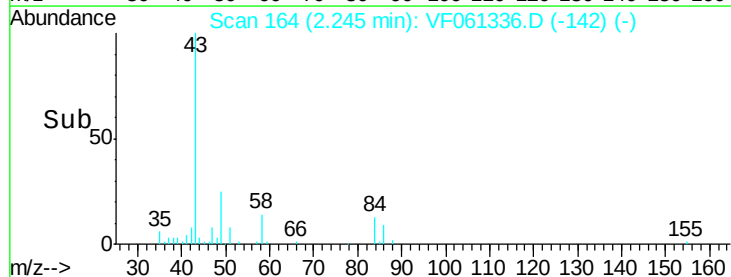
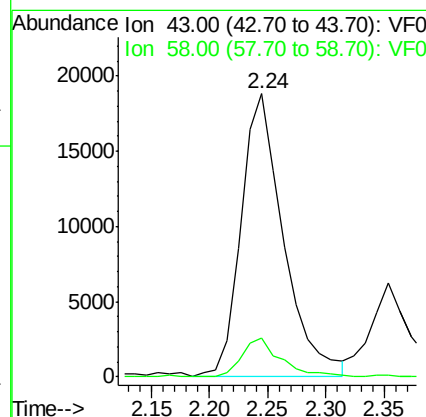
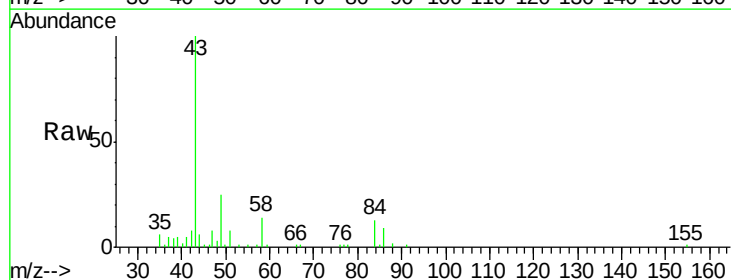
Manual Integrations  
 APPROVED

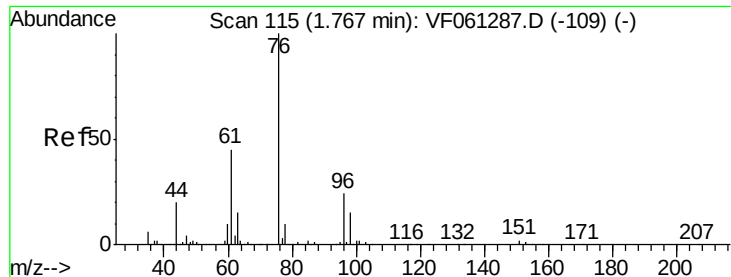
MMDadoda  
 1/10/2019 3:33:33 PM



#16  
 Acetone  
 Concen: 89.801 ug/l  
 RT: 2.24 min Scan# 164  
 Delta R.T. 0.01 min  
 Lab File: VF061336.D  
 Acq: 10 Jan 2019 10:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 13.8  | 16.6  | 25.0# |





#17

Carbon Disulfide

Concen: 8.988 ug/l

RT: 1.80 min Scan# 119

Delta R.T. 0.03 min

Lab File: VF061336.D

Acq: 10 Jan 2019 10:05

Instrument :

MSVOA\_F

ClientSampleId :

VF0110SBSD03

Tot Ion: 76 Resp: 63898

Ion Ratio Lower Upper

76 100

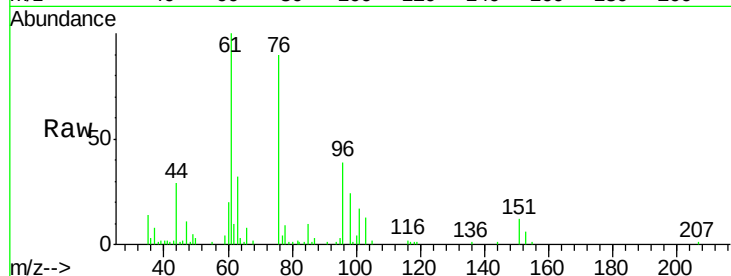
78 10.2 7.8 11.6

Manual Integrations

APPROVED

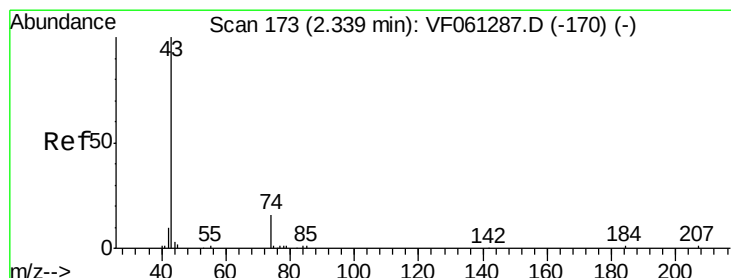
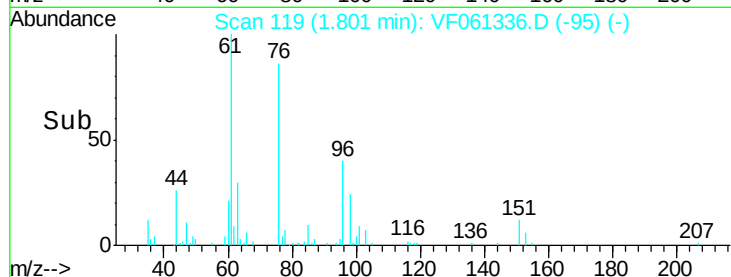
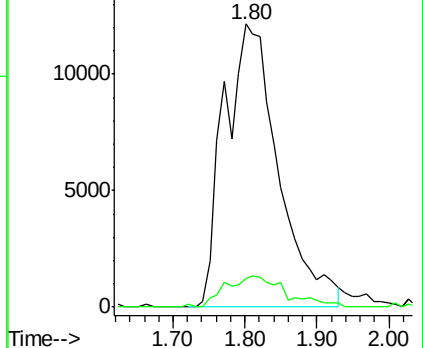
MMDadoda

1/10/2019 3:33:33 PM



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 12.007 ug/l m

RT: 2.35 min Scan# 175

Delta R.T. 0.01 min

Lab File: VF061336.D

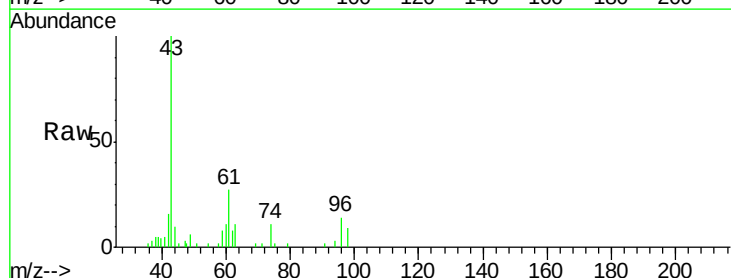
Acq: 10 Jan 2019 10:05

Tgt Ion: 43 Resp: 12528

Ion Ratio Lower Upper

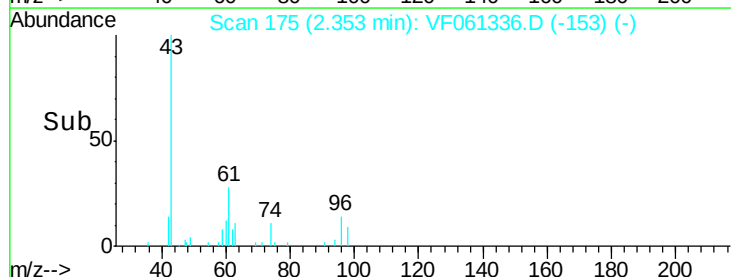
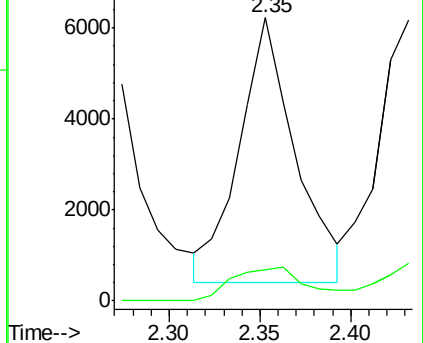
43 100

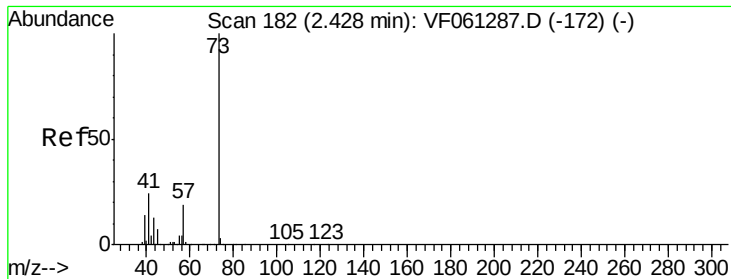
74 10.9 11.6 17.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0





#19

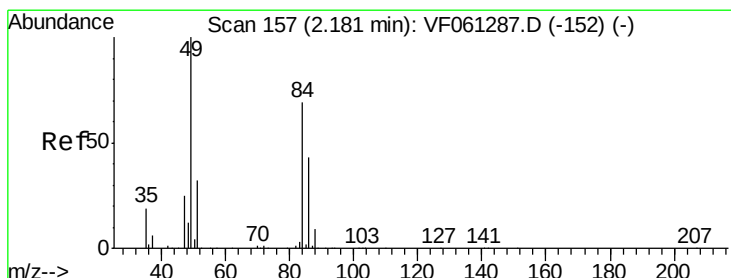
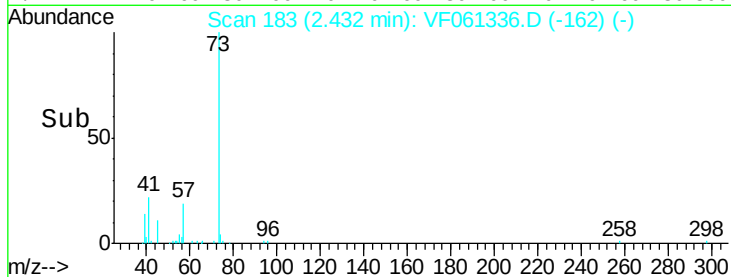
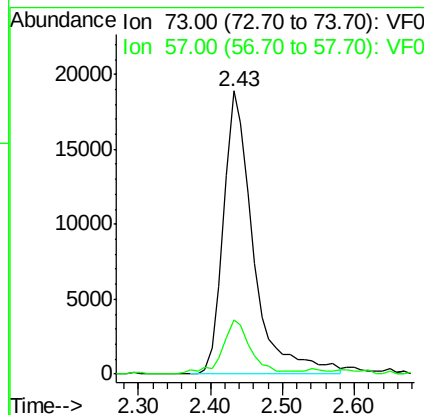
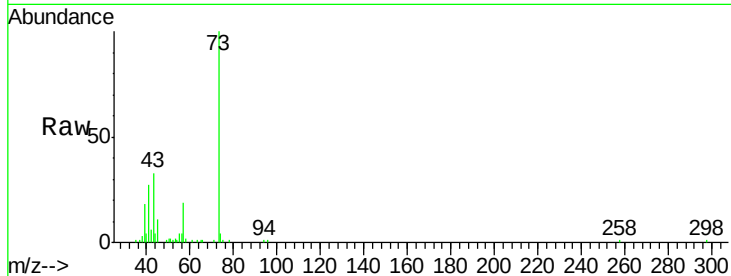
Methyl tert-butyl Ether  
 Concen: 13.272 ug/l  
 RT: 2.43 min Scan# 183  
 Delta R.T. 0.00 min  
 Lab File: VF061336.D  
 Acq: 10 Jan 2019 10:05

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0110SBSD03

| Tot Ion   | 73    | Resp  | 54432 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 73        | 100   |       |       |
| 57        | 19.4  | 15.5  | 23.3  |

Manual Integrations  
 APPROVED

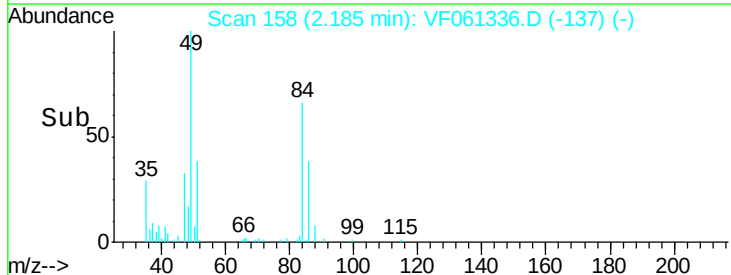
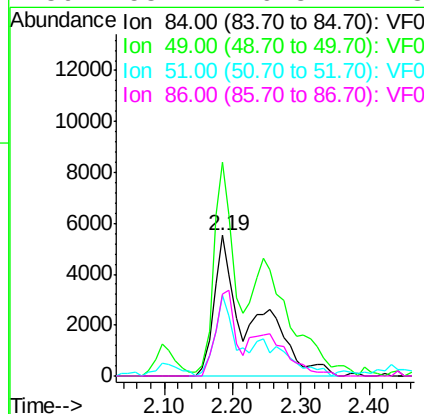
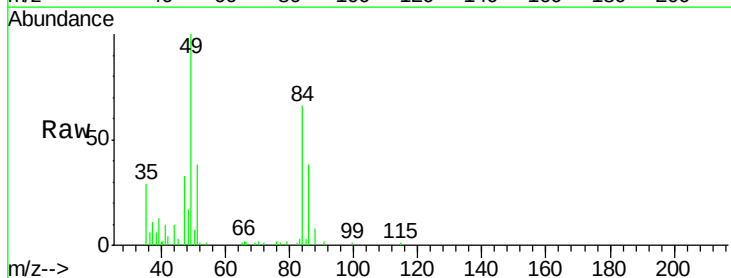
MMDadoda  
 1/10/2019 3:33:33 PM

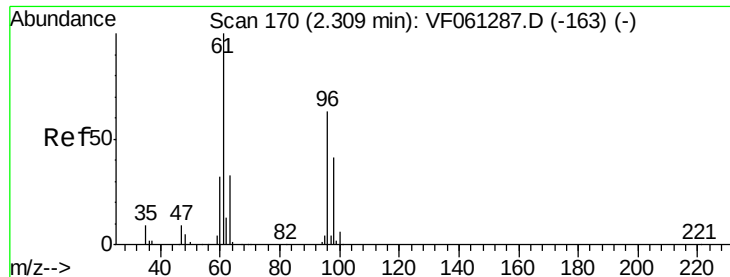


#20

Methylene Chloride  
 Concen: 9.310 ug/l m  
 RT: 2.19 min Scan# 158  
 Delta R.T. 0.00 min  
 Lab File: VF061336.D  
 Acq: 10 Jan 2019 10:05

| Tgt Ion   | 84    | Resp  | 20887 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 84        | 100   |       |       |
| 49        | 152.2 | 116.6 | 175.0 |
| 51        | 57.1  | 37.7  | 56.5# |
| 86        | 58.4  | 49.8  | 74.8  |





#21

trans-1,2-Dichloroethene

Concen: 9.913 ug/l

RT: 2.31 min Scan# 171

Delta R.T. 0.00 min

Lab File: VF061336.D

Acq: 10 Jan 2019 10:05

Instrument :

MSVOA\_F

ClientSampleId :

VF0110SBSD03

Tot Ion: 96 Resp: 22608

Ion Ratio Lower Upper

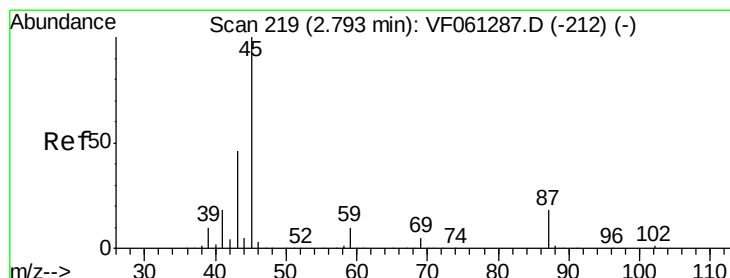
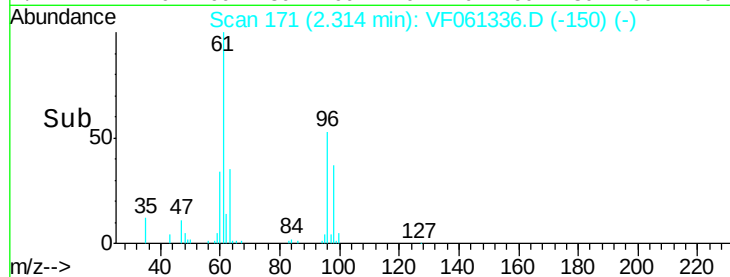
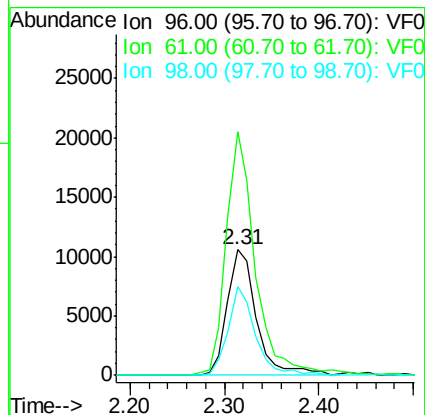
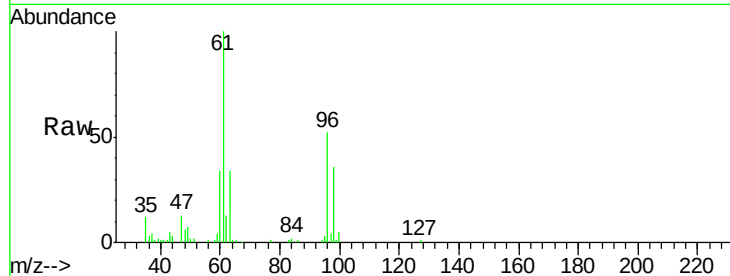
96 100

61 193.8 127.0 190.4#

98 70.3 51.7 77.5

Manual Integrations  
APPROVED

MMDadoda  
1/10/2019 3:33:33 PM



#22

Diisopropyl ether

Concen: 10.908 ug/l

RT: 2.81 min Scan# 221

Delta R.T. 0.01 min

Lab File: VF061336.D

Acq: 10 Jan 2019 10:05

Tgt Ion: 45 Resp: 83024

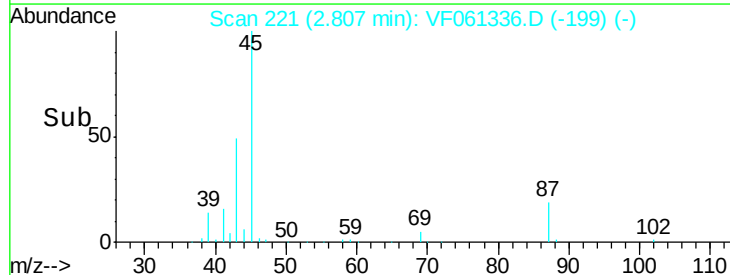
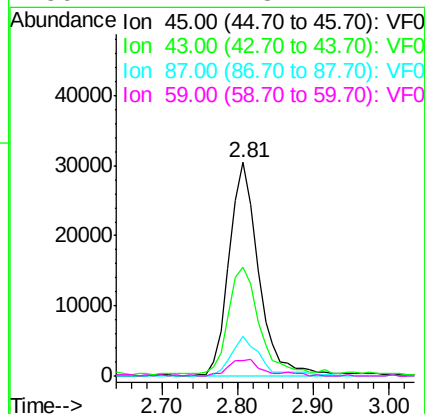
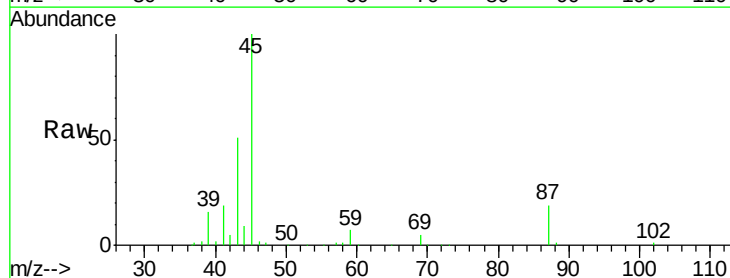
Ion Ratio Lower Upper

45 100

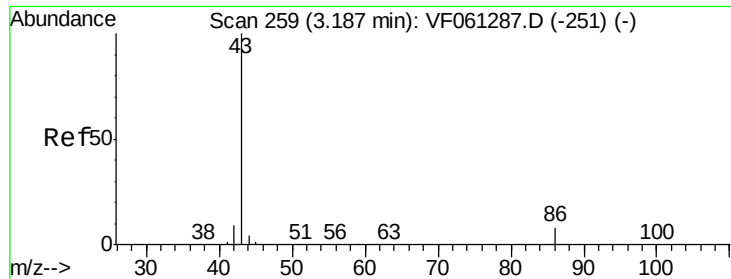
43 51.1 37.4 56.2

87 18.9 14.2 21.2

59 7.4 8.2 12.2#







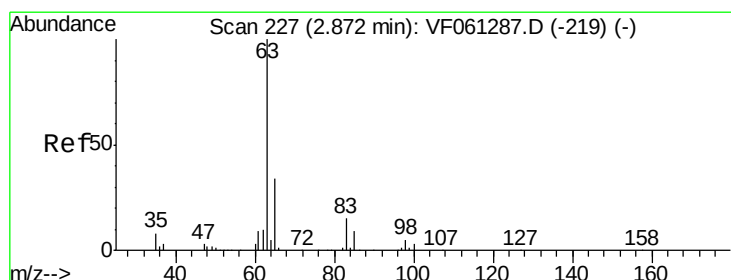
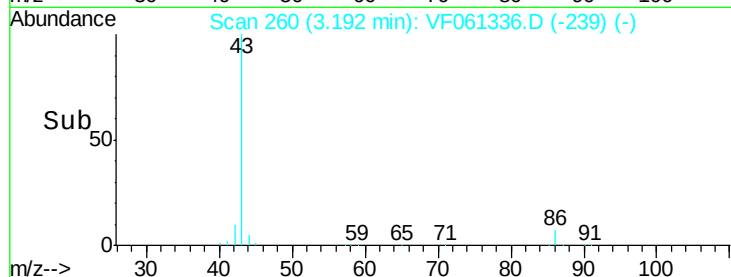
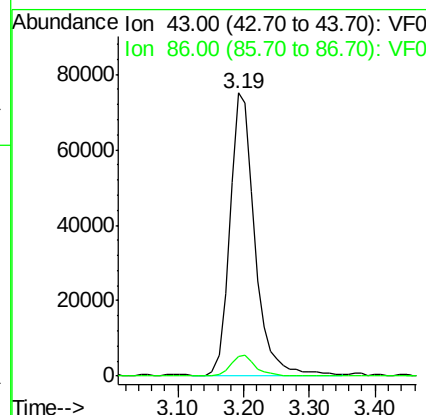
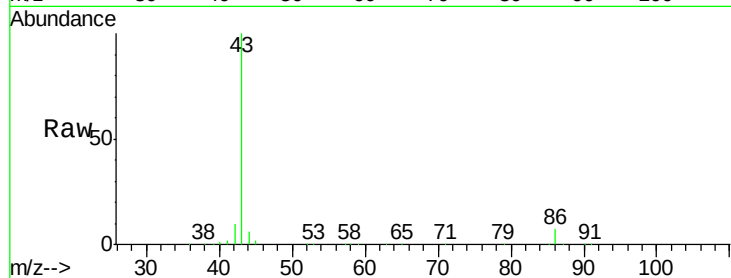
#23  
 Vinyl Acetate  
 Concen: 89.008 ug/l  
 RT: 3.19 min Scan# 260  
 Delta R.T. 0.00 min  
 Lab File: VF061336.D  
 Acq: 10 Jan 2019 10:05

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0110SBSD03

| Tot Ion   | 43  | Resp  | 198114 |
|-----------|-----|-------|--------|
| Ion Ratio | 100 | Lower | Upper  |
| 43        | 100 |       |        |
| 86        | 6.8 | 6.5   | 9.7    |

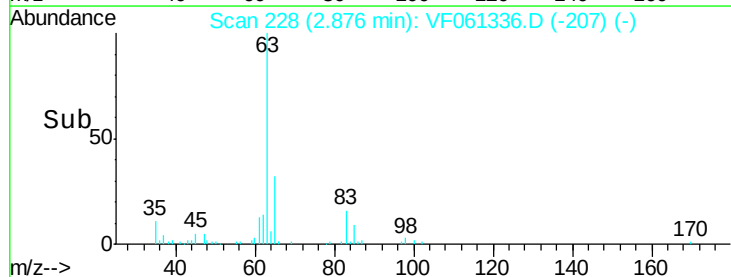
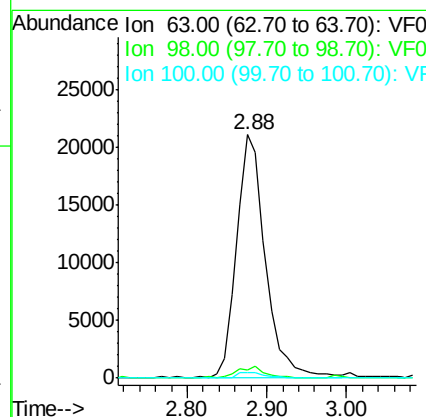
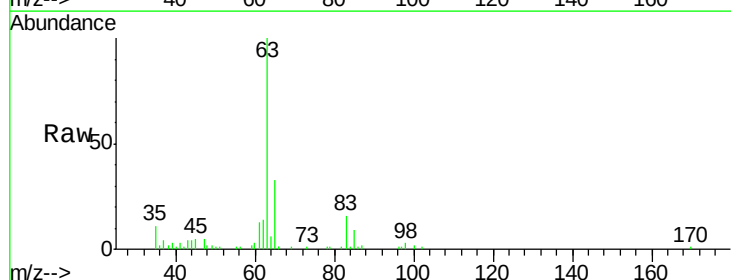
Manual Integrations  
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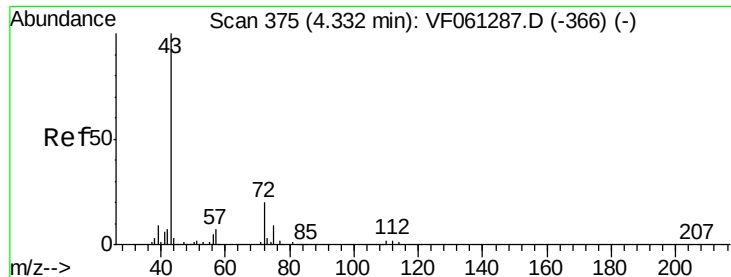
MMDadoda  
 1/10/2019 3:33:33 PM



#24  
 1,1-Dichloroethane  
 Concen: 12.170 ug/l  
 RT: 2.88 min Scan# 228  
 Delta R.T. 0.00 min  
 Lab File: VF061336.D  
 Acq: 10 Jan 2019 10:05

| Tgt Ion   | 63  | Resp  | 53582 |
|-----------|-----|-------|-------|
| Ion Ratio | 100 | Lower | Upper |
| 63        | 100 |       |       |
| 98        | 3.3 | 2.5   | 7.6   |
| 100       | 2.4 | 1.7   | 5.0   |





#25

2-Butanone

Concen: 110.387 ug/l

RT: 4.35 min Scan# 377

Delta R.T. 0.01 min

Lab File: VF061336.D

Acq: 10 Jan 2019 10:05

Instrument :

MSVOA\_F

ClientSampleId :

VF0110SBSD03

Tot Ion: 43 Resp: 94219

Ion Ratio Lower Upper

43 100

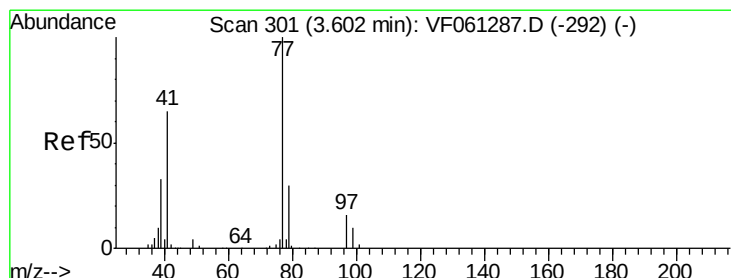
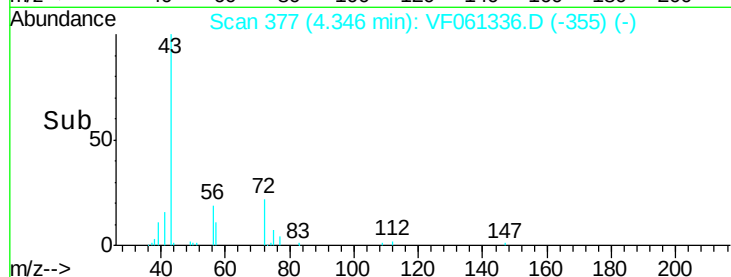
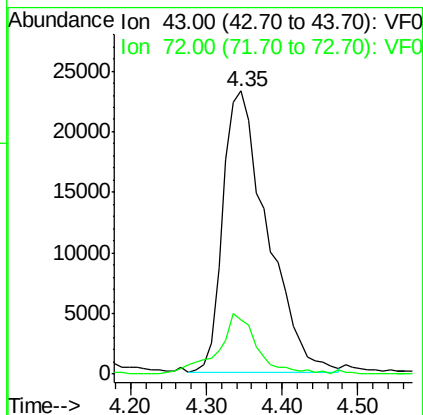
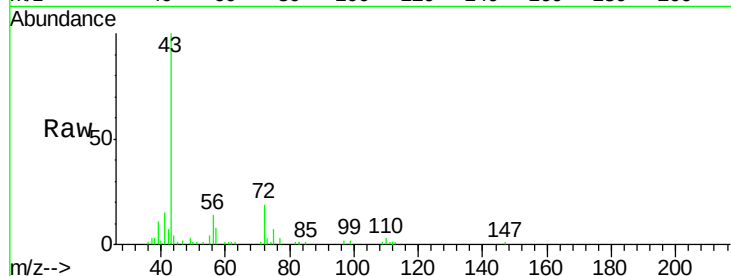
72 19.3 16.5 24.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 15.787 ug/l

RT: 3.61 min Scan# 302

Delta R.T. 0.00 min

Lab File: VF061336.D

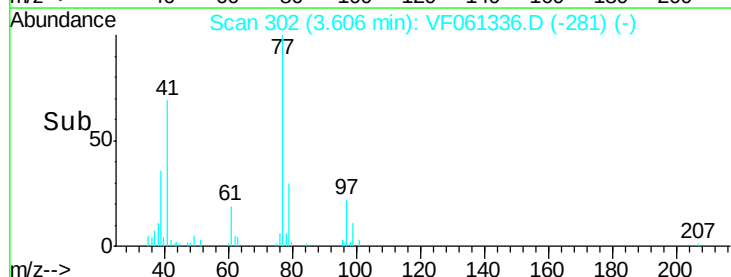
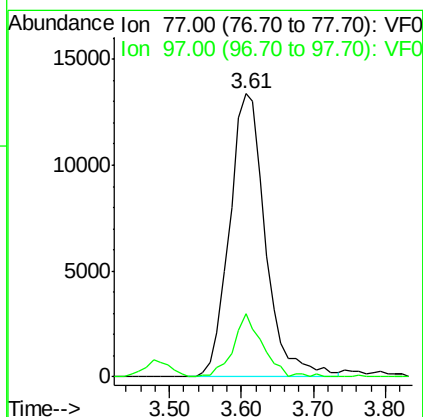
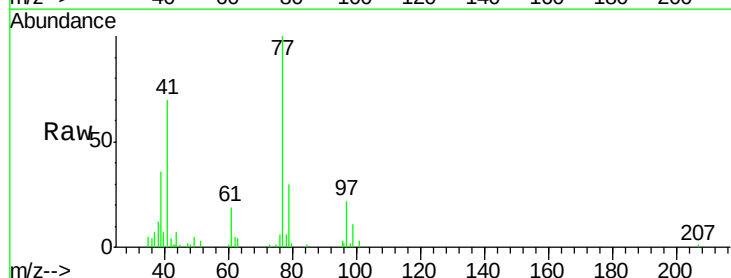
Acq: 10 Jan 2019 10:05

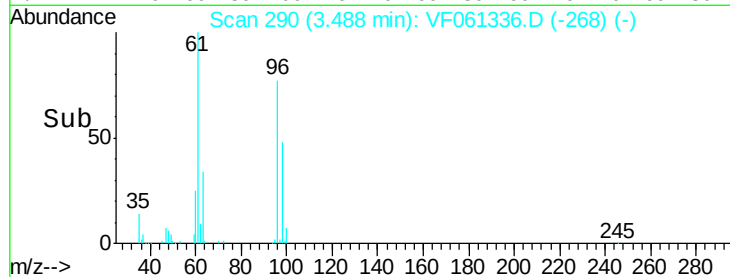
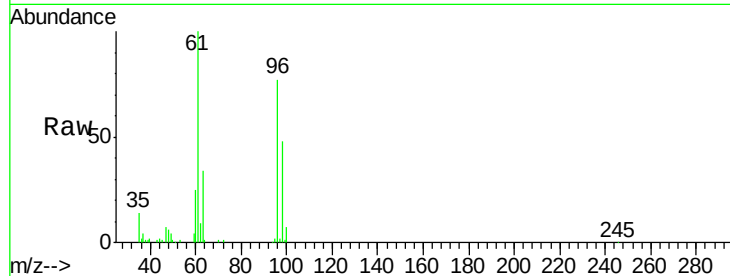
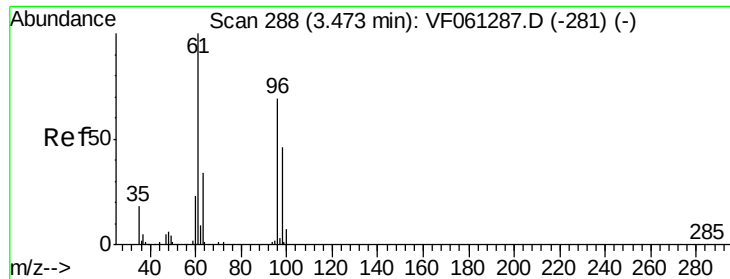
Tgt Ion: 77 Resp: 46446

Ion Ratio Lower Upper

77 100

97 22.2 8.6 25.9





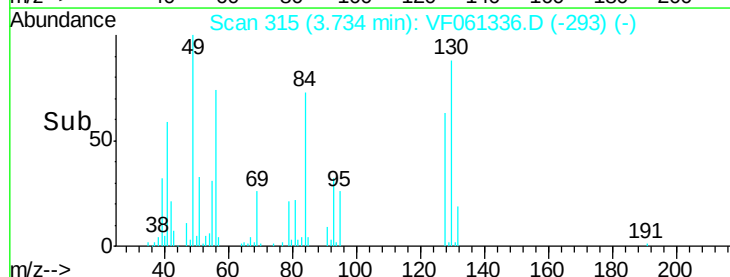
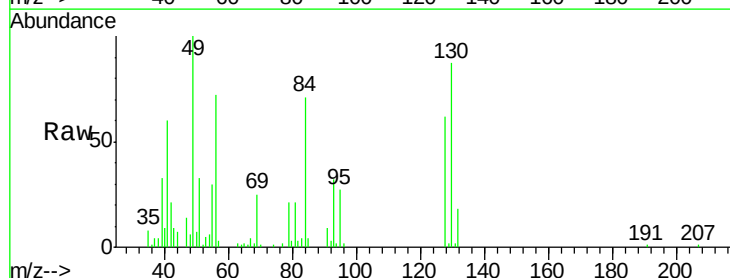
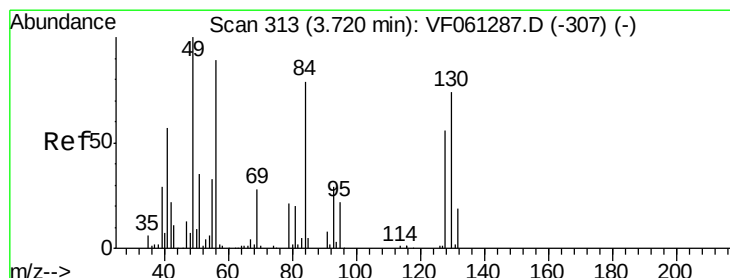
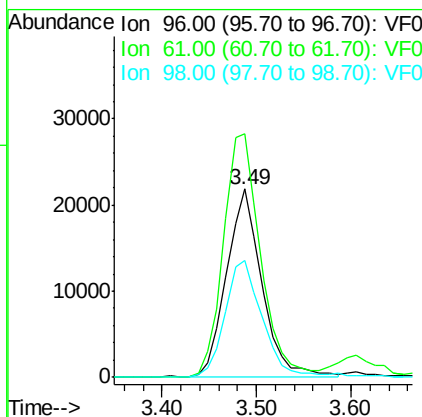
#27  
 cis-1,2-Dichloroethene  
 Concen: 17.939 ug/l  
 RT: 3.49 min Scan# 290  
 Delta R.T. 0.01 min  
 Lab File: VF061336.D  
 Acq: 10 Jan 2019 10:05

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 96      | 100   | 57121 |       |       |
| 61      | 129.5 |       | 0.0   | 288.2 |
| 98      | 61.9  |       | 0.0   | 132.2 |

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0110SBSD03

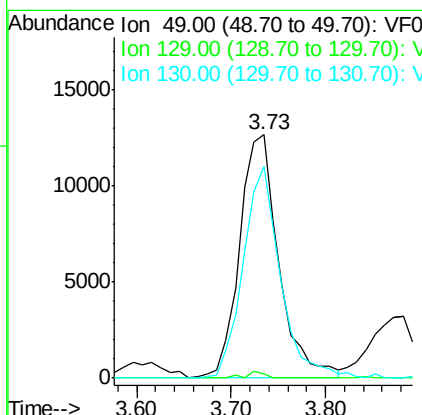
Manual Integrations  
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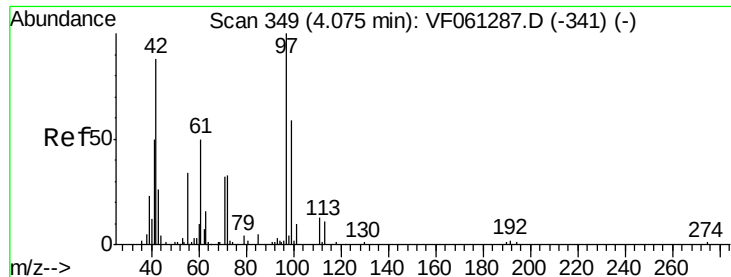
MMDadoda  
 1/10/2019 3:33:33 PM



#28  
 Bromochloromethane  
 Concen: 18.752 ug/l  
 RT: 3.73 min Scan# 315  
 Delta R.T. 0.01 min  
 Lab File: VF061336.D  
 Acq: 10 Jan 2019 10:05

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 49      | 100   | 36401 |       |       |
| 129     | 2.0   |       | 0.0   | 0.0#  |
| 130     | 86.7  |       | 58.6  | 88.0  |





#29

Tetrahydrofuran

Concen: 97.285 ug/l

RT: 4.08 min Scan# 350

Delta R.T. 0.00 min

Lab File: VF061336.D

Acq: 10 Jan 2019 10:05

Instrument :

MSVOA\_F

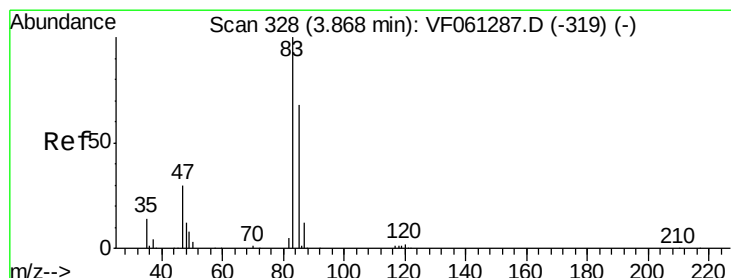
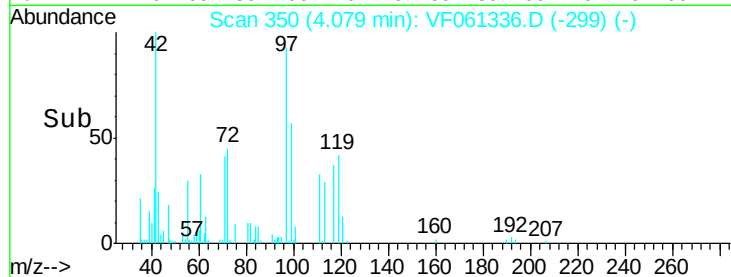
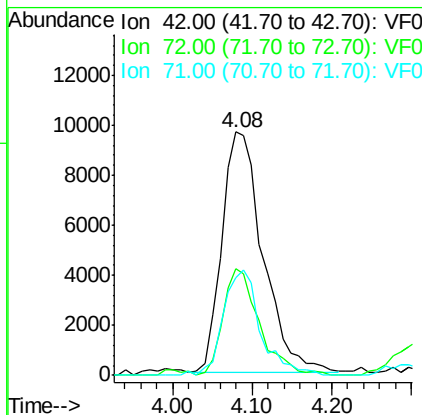
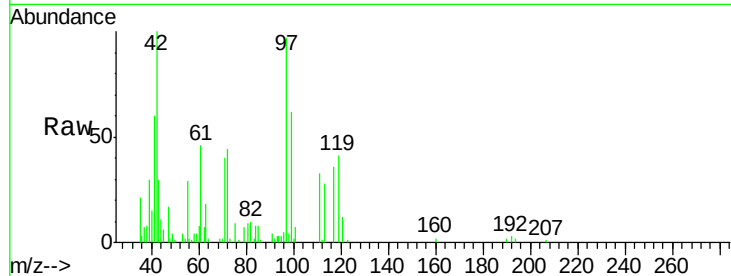
ClientSampleId :

VF0110SBSD03

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 42    | Resp: | 34718 |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 39.7  | 32.3  | 48.5  |
| 71       | 39.8  | 29.5  | 44.3  |

Manual Integrations  
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#30

Chloroform

Concen: 17.982 ug/l

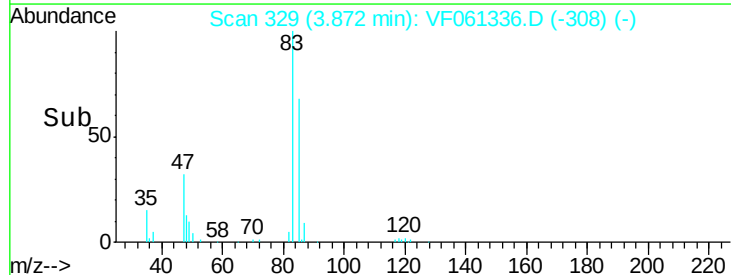
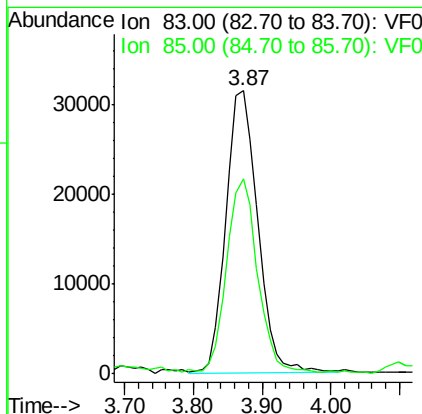
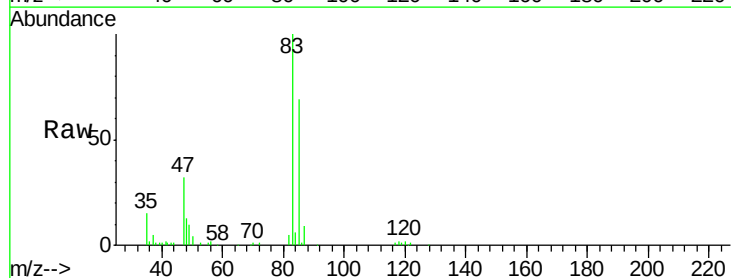
RT: 3.87 min Scan# 329

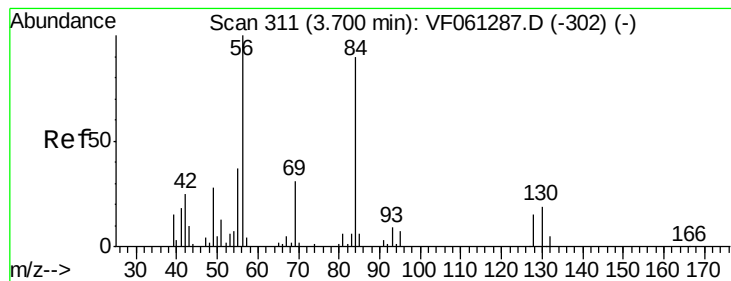
Delta R.T. 0.00 min

Lab File: VF061336.D

Acq: 10 Jan 2019 10:05

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 100497 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 68.9  | 54.4  | 81.6   |





#31

Cyclohexane

Concen: 18.280 ug/l

RT: 3.69 min Scan# 311

Delta R.T. -0.01 min

Lab File: VF061336.D

Acq: 10 Jan 2019 10:05

Instrument :

MSVOA\_F

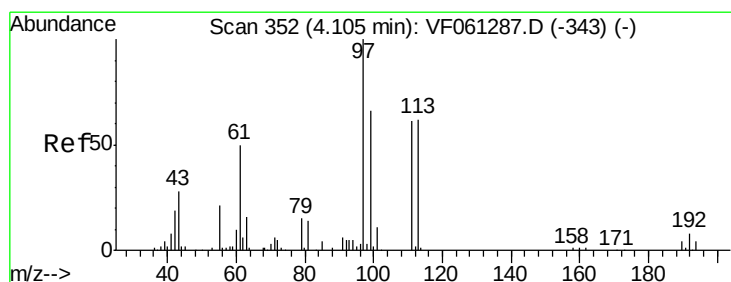
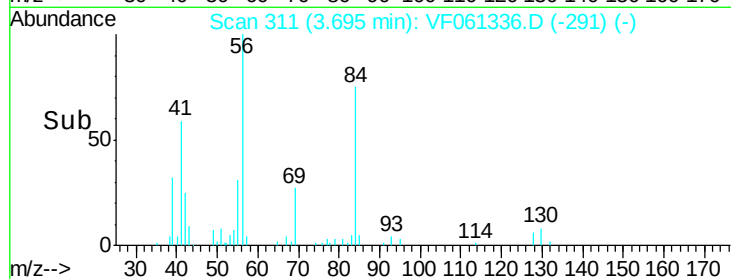
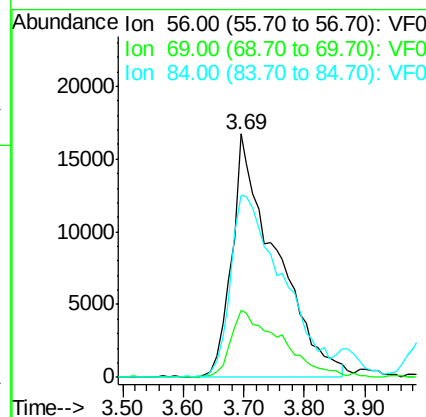
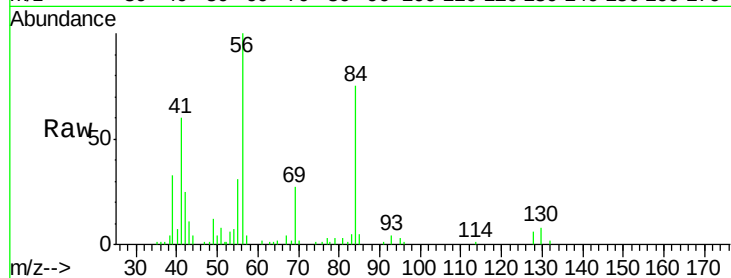
ClientSampleId :

VF0110SBSD03

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 56    | Resp: | 84430 |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 27.3  | 24.7  | 37.1  |
| 84       | 74.9  | 72.2  | 108.4 |

Manual Integrations  
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#32

1,1,1-Trichloroethane

Concen: 16.630 ug/l

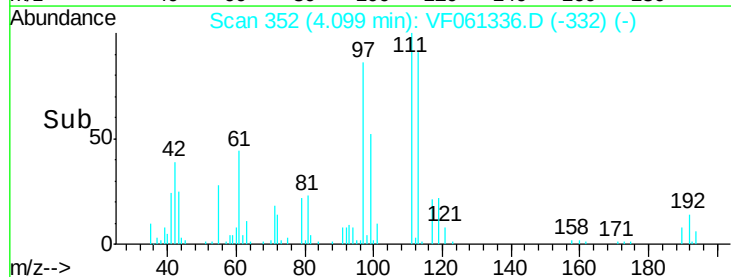
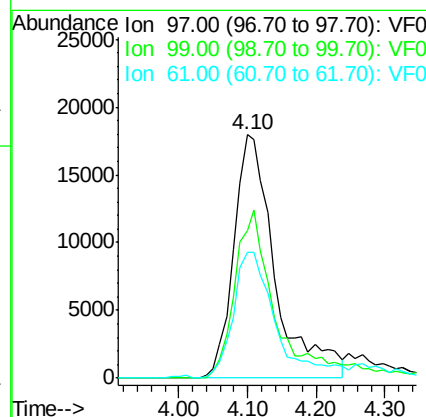
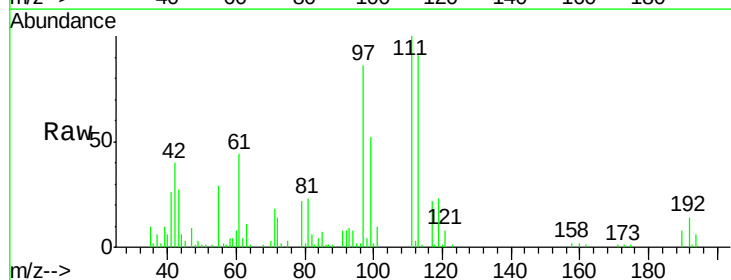
RT: 4.10 min Scan# 352

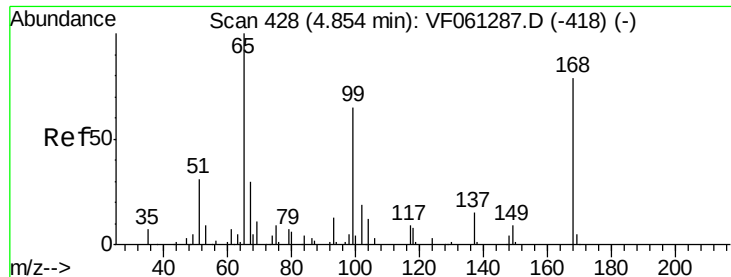
Delta R.T. -0.01 min

Lab File: VF061336.D

Acq: 10 Jan 2019 10:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 75072 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 60.7  | 52.7  | 79.1  |
| 61       | 51.6  | 40.8  | 61.2  |





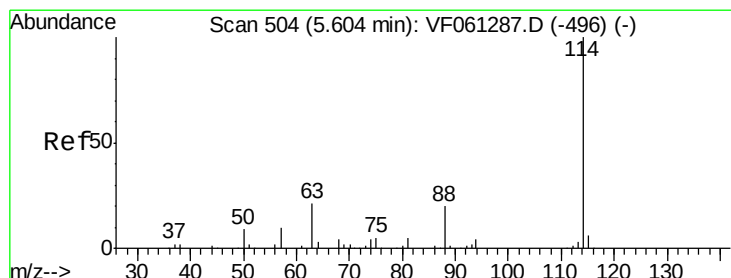
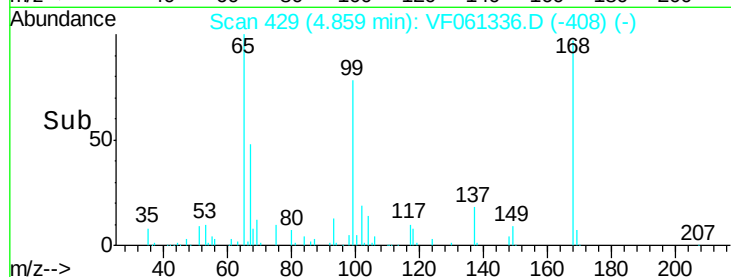
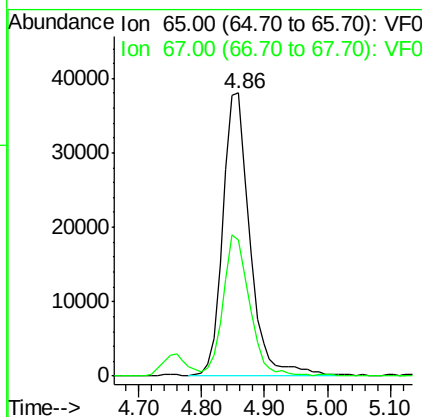
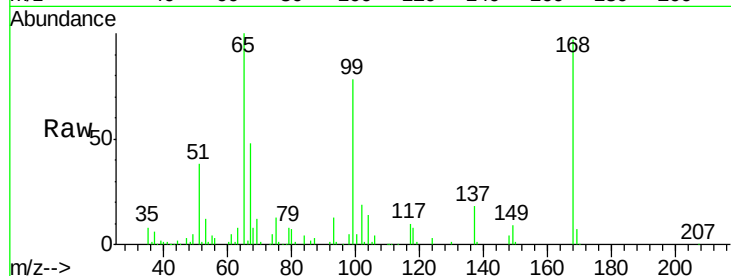
#33  
 1,2-Dichloroethane-d4  
 Concen: 49.997 ug/l  
 RT: 4.86 min Scan# 429  
 Delta R.T. 0.00 min  
 Lab File: VF061336.D  
 Acq: 10 Jan 2019 10:05

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0110SBSD03

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 113979 |       |       |
| 67      | 48.1  | 0.0    | 98.2  |       |

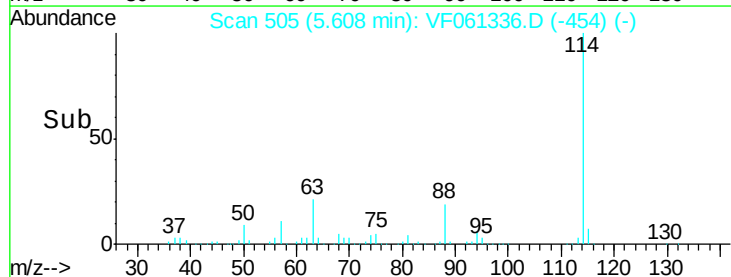
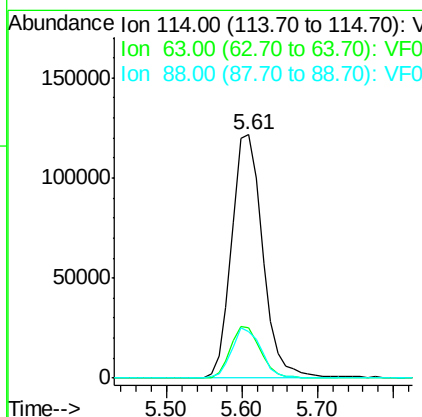
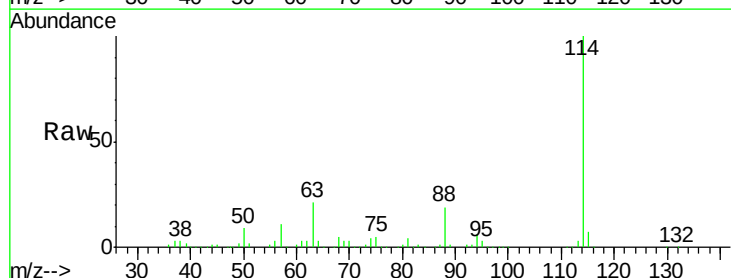
Manual Integrations  
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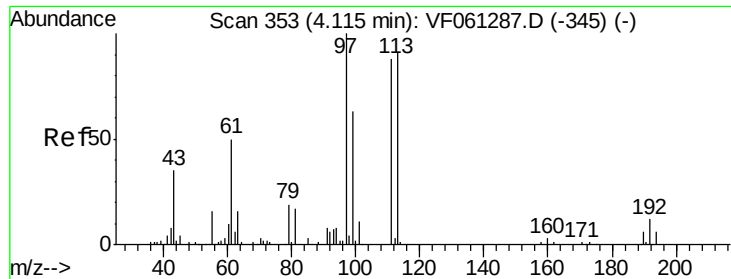
MMDadoda  
 1/10/2019 3:33:33 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.61 min Scan# 505  
 Delta R.T. 0.00 min  
 Lab File: VF061336.D  
 Acq: 10 Jan 2019 10:05

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 346106 |       |       |
| 63      | 20.7  | 0.0    | 42.8  |       |
| 88      | 18.9  | 0.0    | 40.0  |       |





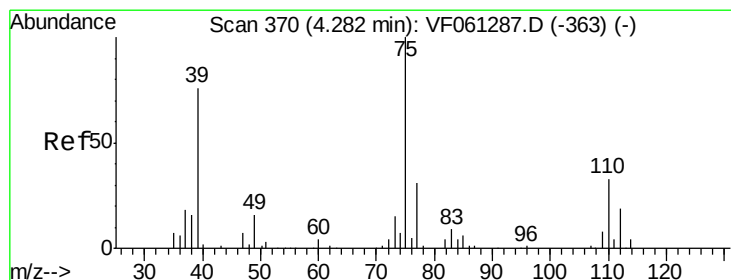
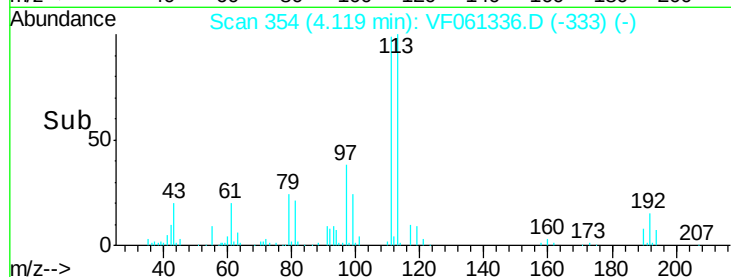
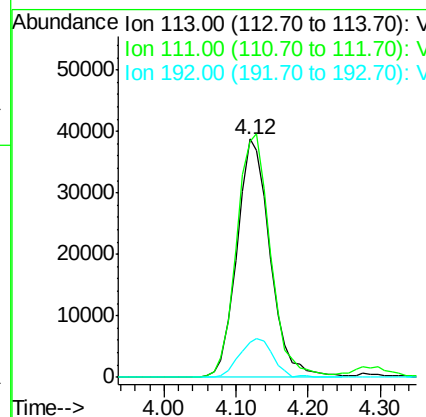
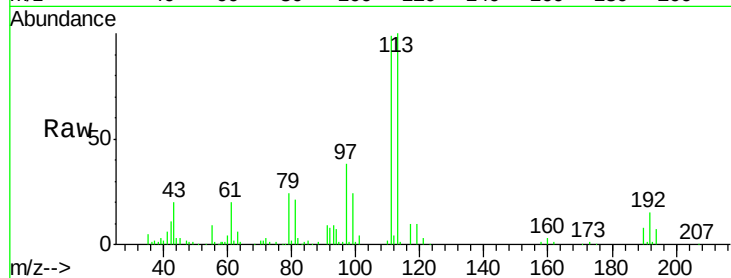
#35  
 Dibromofluoromethane  
 Concen: 47.034 ug/l  
 RT: 4.12 min Scan# 354  
 Delta R.T. 0.00 min  
 Lab File: VF061336.D  
 Acq: 10 Jan 2019 10:05

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0110SBSD03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 99.3  | 78.0  | 117.0 |
| 192     | 15.4  | 10.6  | 16.0  |

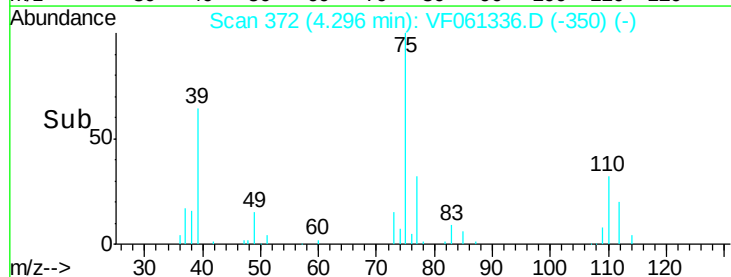
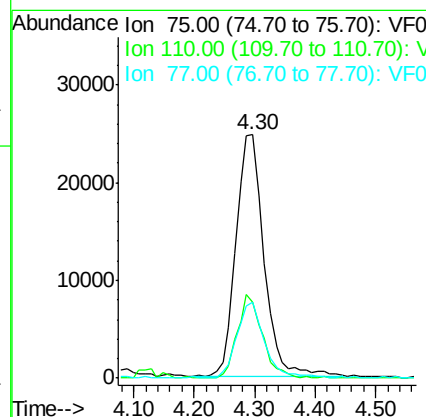
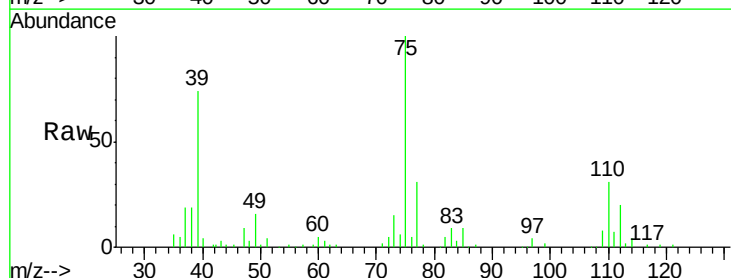
Manual Integrations  
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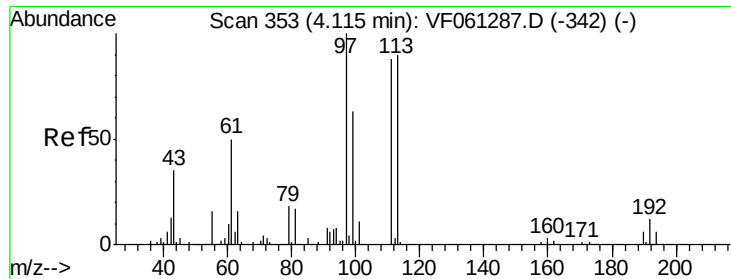
MMDadoda  
 1/10/2019 3:33:33 PM



#36  
 1,1-Dichloropropene  
 Concen: 19.565 ug/l  
 RT: 4.30 min Scan# 372  
 Delta R.T. 0.01 min  
 Lab File: VF061336.D  
 Acq: 10 Jan 2019 10:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 31.1  | 16.6  | 49.8  |
| 77      | 31.1  | 25.1  | 37.7  |





#37

Ethyl Acetate

Concen: 20.538 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.00 min

Lab File: VF061336.D

Acq: 10 Jan 2019 10:05

Instrument :

MSVOA\_F

ClientSampleId :

VF0110SBSD03

Tot Ion: 43 Resp: 30228

Ion Ratio Lower Upper

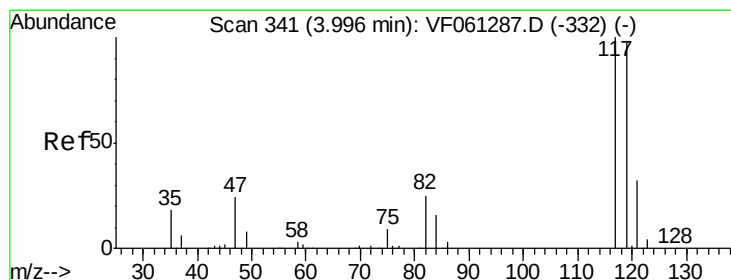
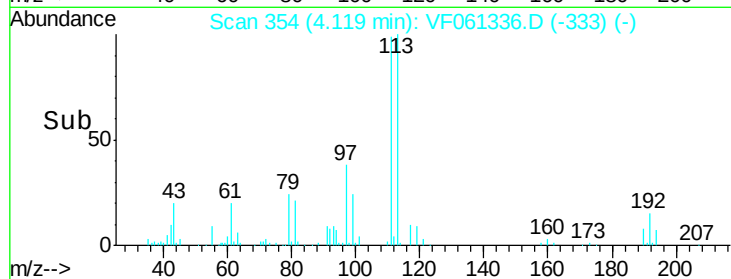
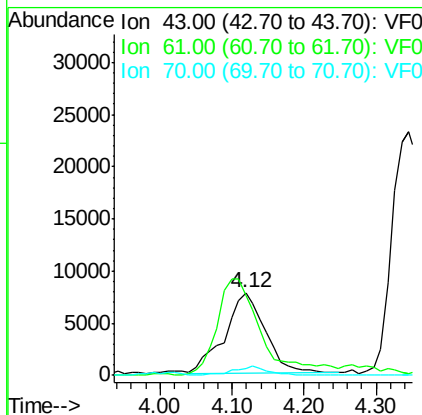
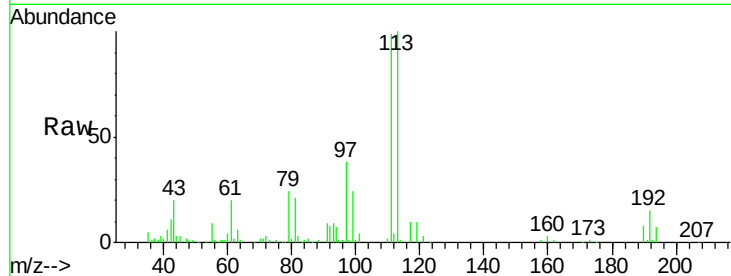
43 100

61 96.0 113.3 169.9#

70 7.9 9.4 14.0#

Manual Integrations  
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1/10/2019 3:33:33 PM



#38

Carbon Tetrachloride

Concen: 16.745 ug/l

RT: 4.00 min Scan# 342

Delta R.T. 0.00 min

Lab File: VF061336.D

Acq: 10 Jan 2019 10:05

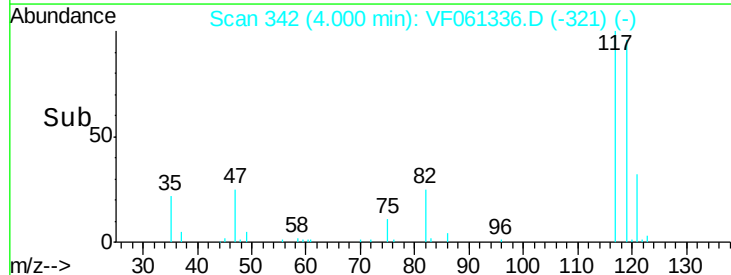
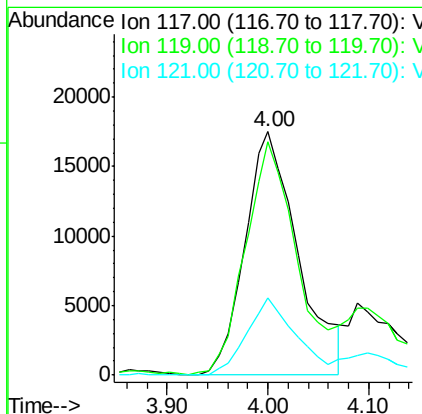
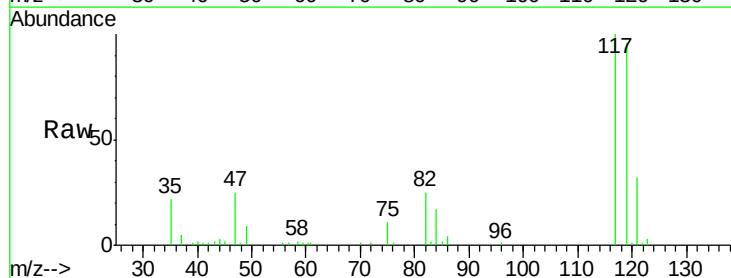
Tgt Ion: 117 Resp: 64099

Ion Ratio Lower Upper

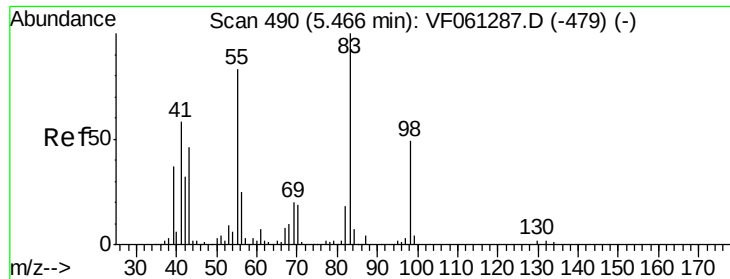
117 100

119 96.0 78.5 117.7

121 31.7 25.3 37.9







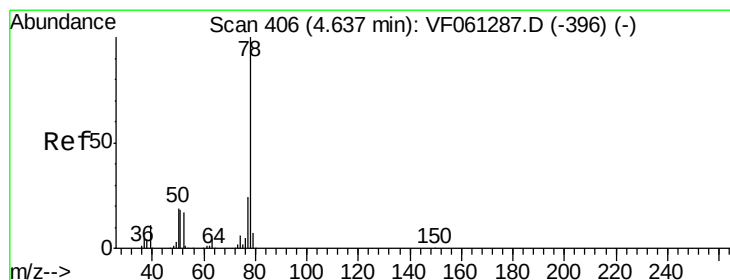
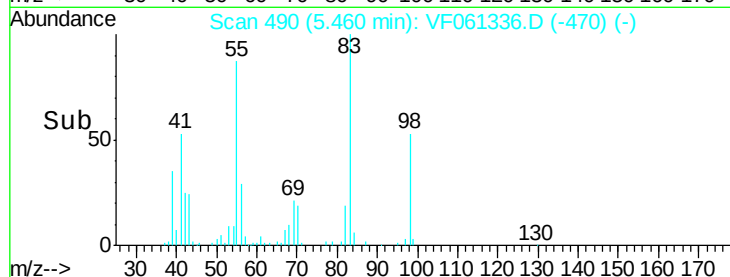
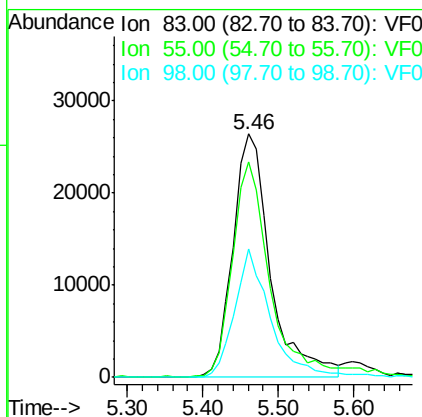
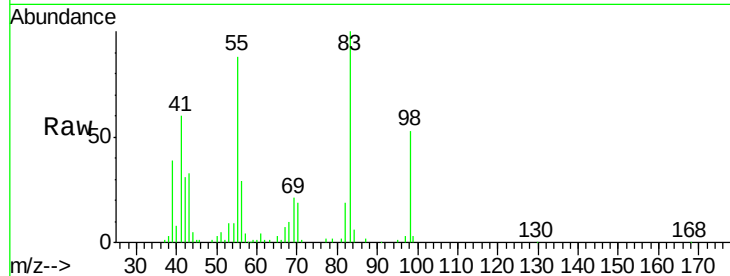
#39  
Methylvlcyclohexane  
Concen: 18.000 ug/l  
RT: 5.46 min Scan# 490  
Delta R.T. -0.01 min  
Lab File: VF061336.D  
Acq: 10 Jan 2019 10:05

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0110SBSD03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 88.3  | 66.4  | 99.6  |
| 98      | 52.9  | 39.1  | 58.7  |

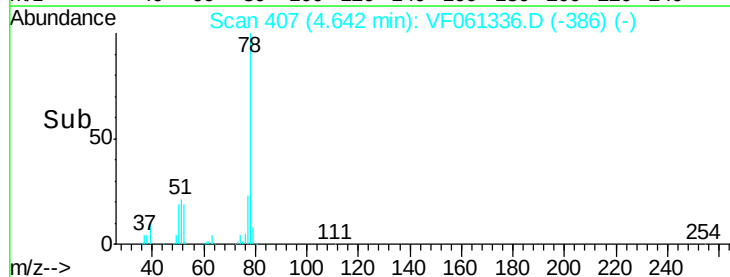
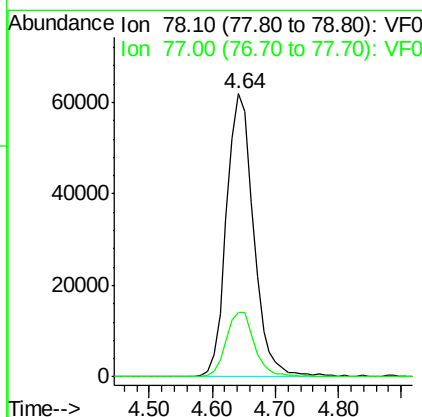
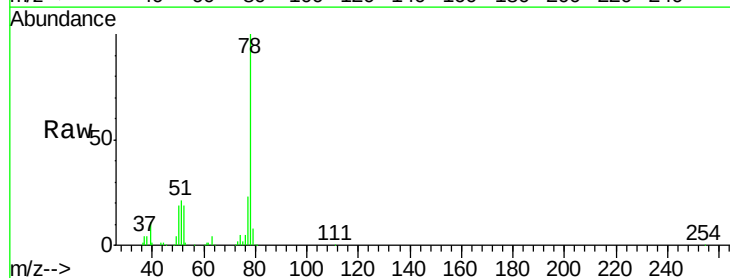
Manual Integrations  
APPROVED

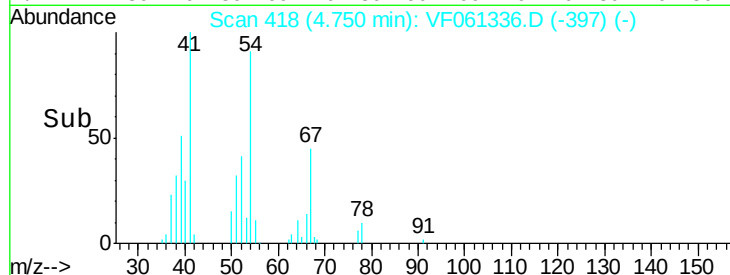
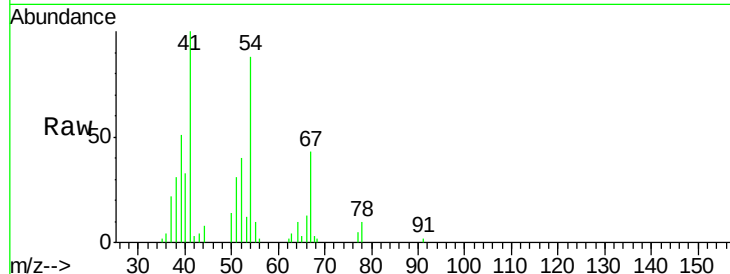
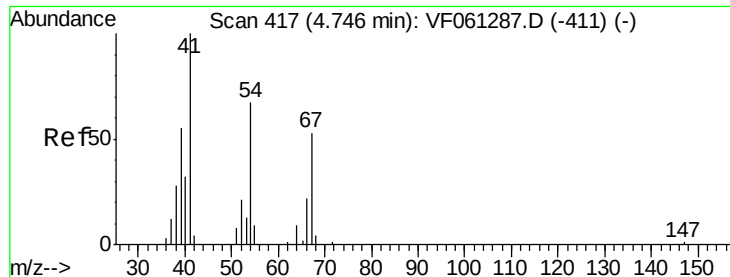
MMDadoda  
1/10/2019 3:33:33 PM



#40  
Benzene  
Concen: 19.628 ug/l  
RT: 4.64 min Scan# 407  
Delta R.T. 0.00 min  
Lab File: VF061336.D  
Acq: 10 Jan 2019 10:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 22.6  | 19.1  | 28.7  |





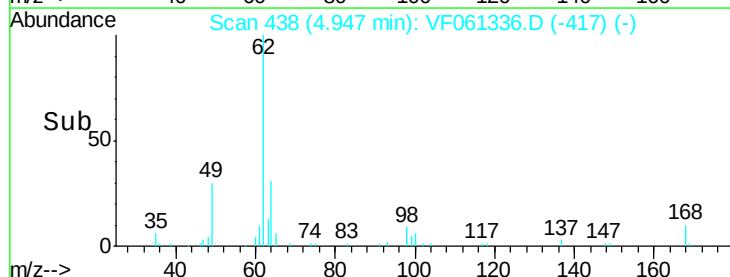
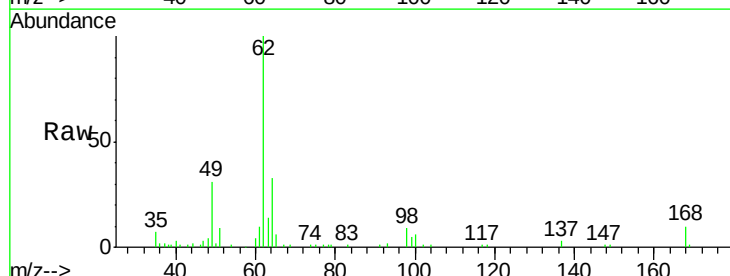
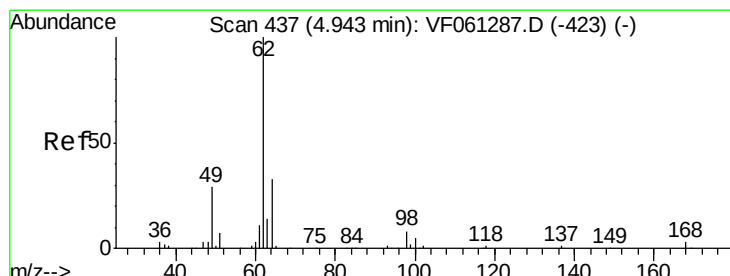
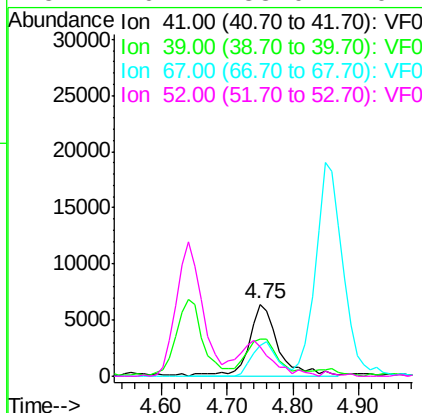
#41  
Methacrylonitrile  
Concen: 24.308 ug/l  
RT: 4.75 min Scan# 418  
Delta R.T. 0.00 min  
Lab File: VF061336.D  
Acq: 10 Jan 2019 10:05

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 41      | 100  |       | 19979 |       |       |
| 39      | 51.3 | 52.7  | 79.1# |       |       |
| 67      | 43.5 | 41.4  | 62.2  |       |       |
| 52      | 40.1 | 33.0  | 49.4  |       |       |

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0110SBSD03

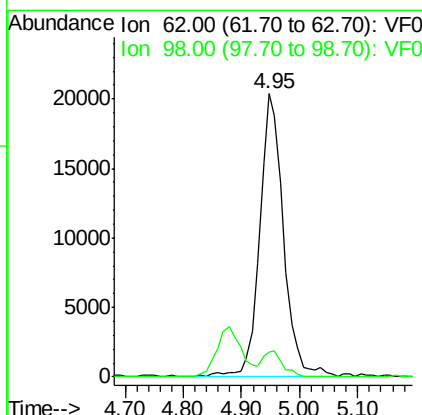
Manual Integrations  
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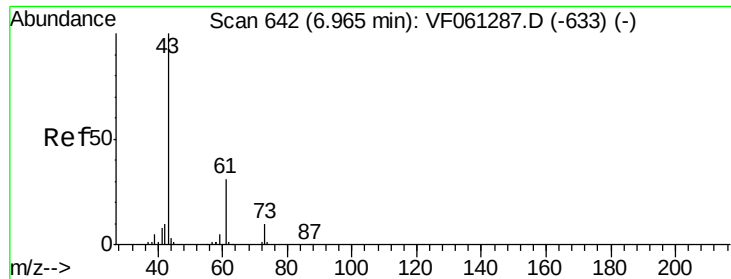
MMDadoda  
1/10/2019 3:33:33 PM



#42  
1,2-Dichloroethane  
Concen: 19.979 ug/l  
RT: 4.95 min Scan# 438  
Delta R.T. 0.00 min  
Lab File: VF061336.D  
Acq: 10 Jan 2019 10:05

| Tgt Ion | Ion | Ratio | Resp  | Lower | Upper |
|---------|-----|-------|-------|-------|-------|
| 62      | 100 |       | 58693 |       |       |
| 98      | 8.8 | 0.0   | 16.8  |       |       |





#43

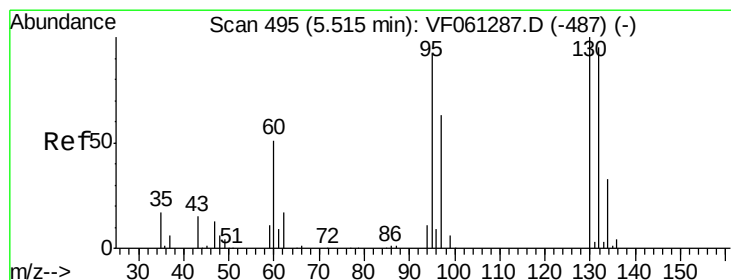
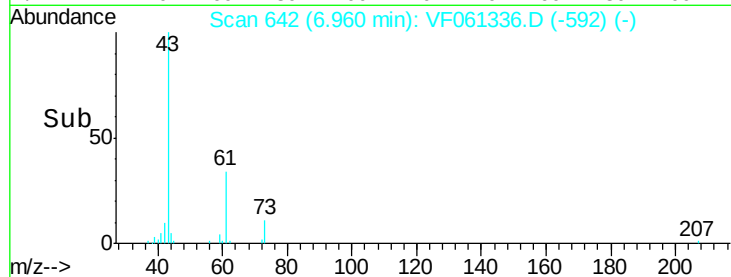
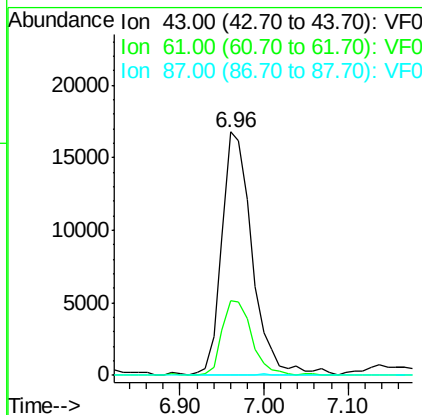
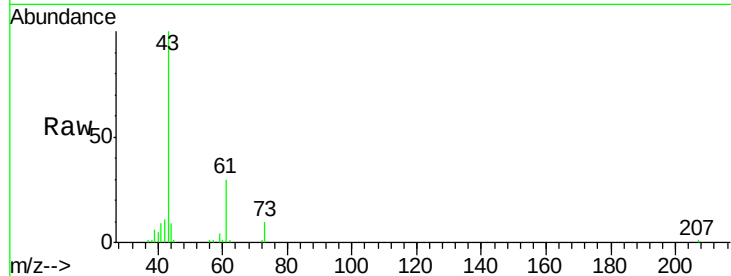
Isopropyl Acetate  
 Concen: 21.876 ug/l  
 RT: 6.96 min Scan# 642  
 Delta R.T. -0.01 min  
 Lab File: VF061336.D  
 Acq: 10 Jan 2019 10:05

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0110SBSD03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 30.4  | 24.3  | 36.5  |
| 87      | 0.0   | 0.2   | 0.4   |

Manual Integrations  
 APPROVED

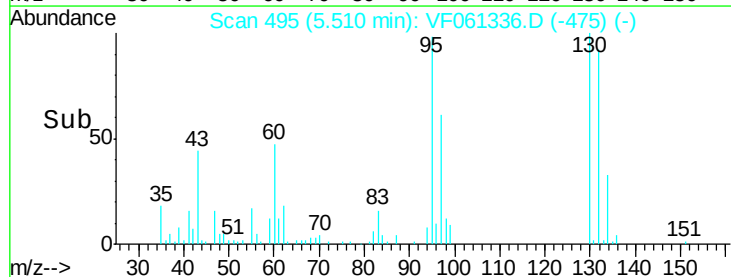
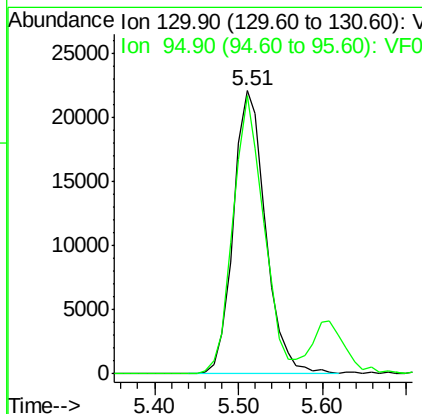
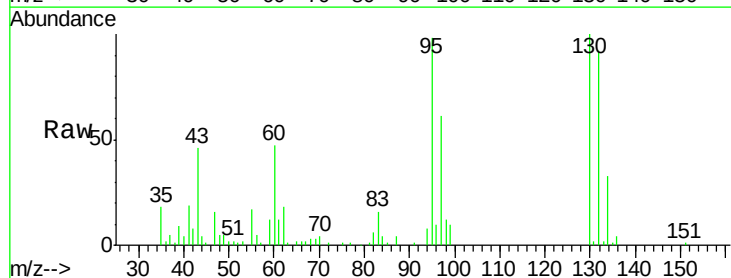
MMDadoda  
 1/10/2019 3:33:33 PM

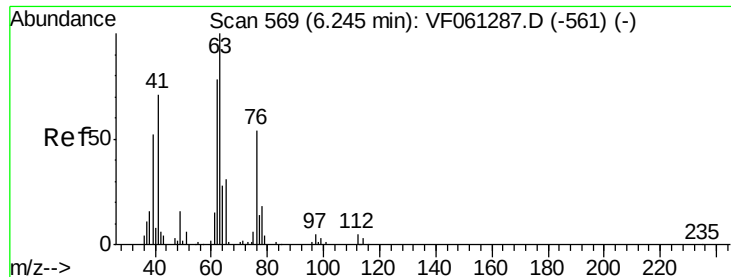


#44

Trichloroethene  
 Concen: 21.279 ug/l  
 RT: 5.51 min Scan# 495  
 Delta R.T. -0.01 min  
 Lab File: VF061336.D  
 Acq: 10 Jan 2019 10:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 98.1  | 0.0   | 184.4 |





#45

1,2-Dichloropropane

Concen: 20.918 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.01 min

Lab File: VF061336.D

Acq: 10 Jan 2019 10:05

Instrument :

MSVOA\_F

ClientSampleId :

VF0110SBSD03

Tot Ion: 63 Resp: 50193

Ion Ratio Lower Upper

63 100

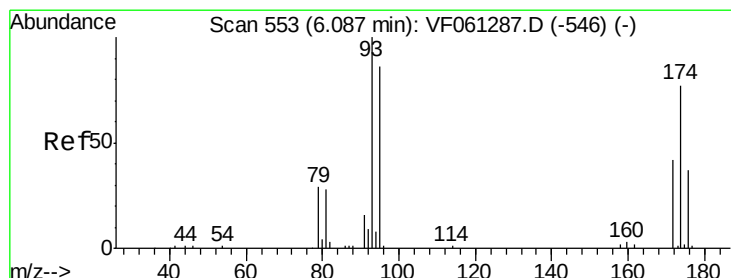
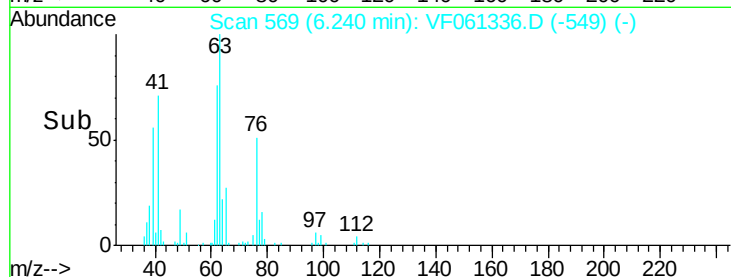
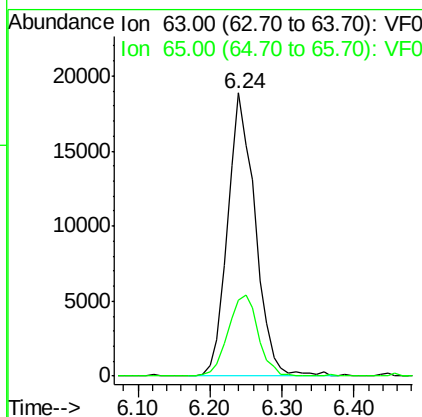
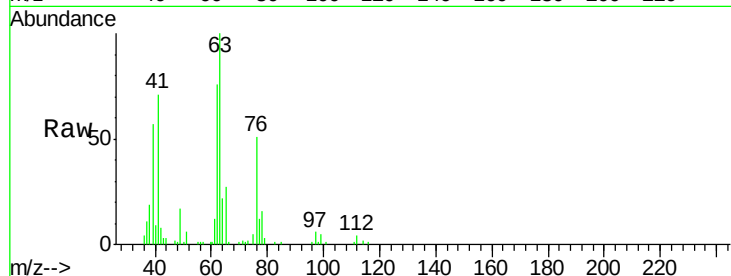
65 27.0 25.1 37.7

Manual Integrations

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1/10/2019 3:33:33 PM



#46

Dibromomethane

Concen: 20.895 ug/l

RT: 6.09 min Scan# 554

Delta R.T. 0.00 min

Lab File: VF061336.D

Acq: 10 Jan 2019 10:05

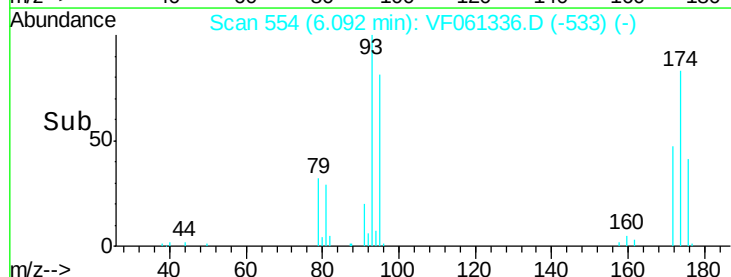
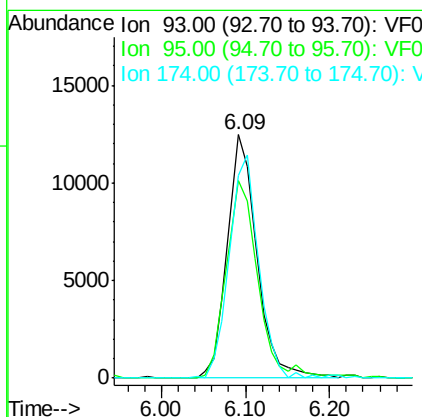
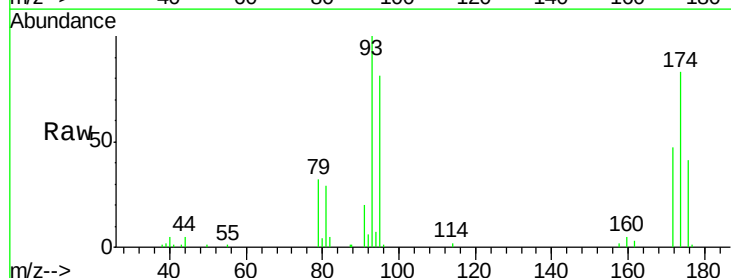
Tgt Ion: 93 Resp: 30784

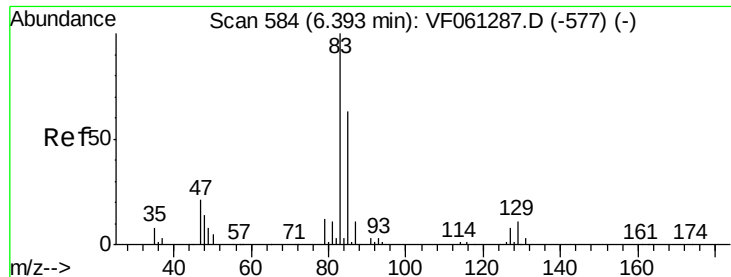
Ion Ratio Lower Upper

93 100

95 81.2 68.8 103.2

174 83.1 62.9 94.3





#47

Bromodichloromethane

Concen: 19.346 ug/l

RT: 6.40 min Scan# 585

Delta R.T. 0.00 min

Lab File: VF061336.D

Acq: 10 Jan 2019 10:05

Instrument :

MSVOA\_F

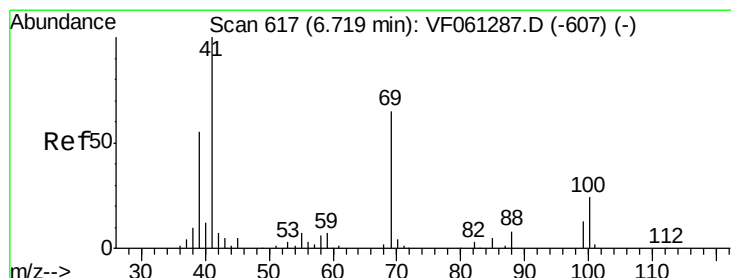
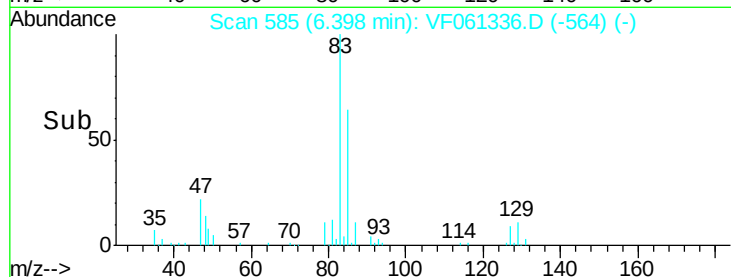
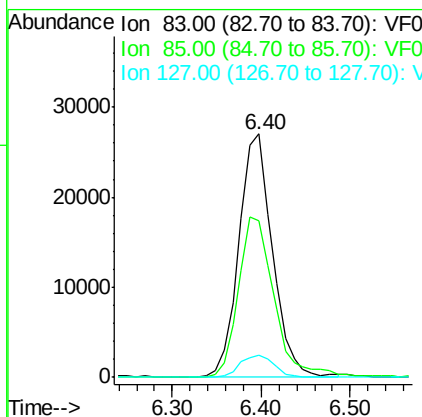
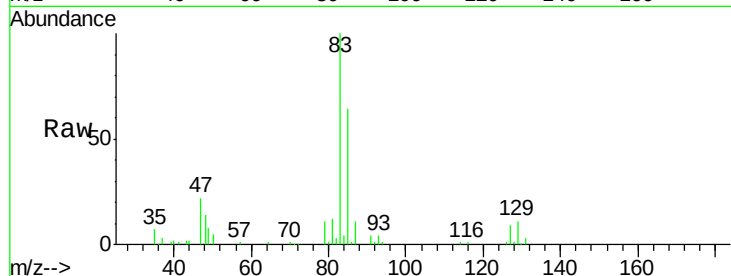
ClientSampleId :

VF0110SBSD03

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 70886 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 64.1  | 50.4  | 75.6  |
| 127      | 8.9   | 6.4   | 9.6   |

Manual Integrations  
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1/10/2019 3:33:33 PM



#48

Methyl methacrylate

Concen: 20.730 ug/l

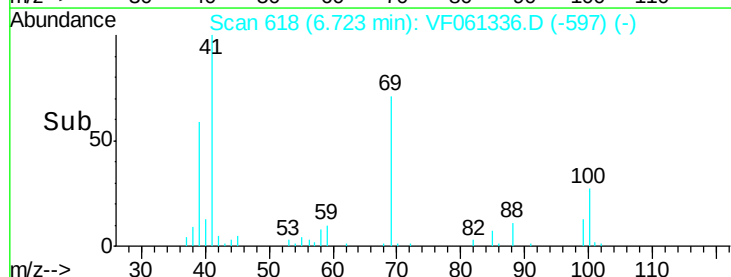
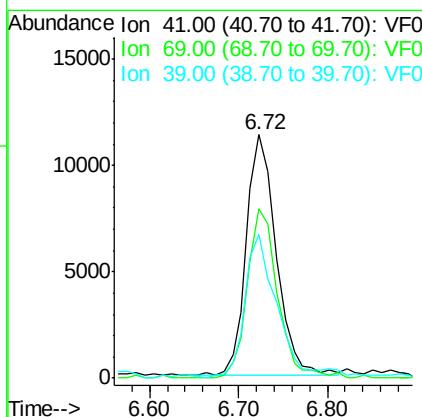
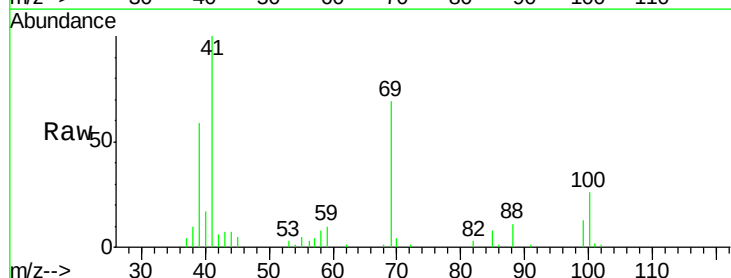
RT: 6.72 min Scan# 618

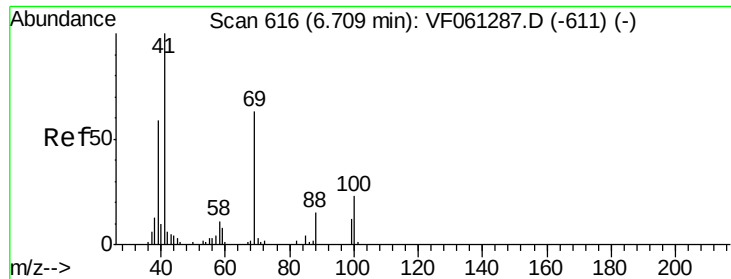
Delta R.T. 0.00 min

Lab File: VF061336.D

Acq: 10 Jan 2019 10:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 26147 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 69.5  | 51.5  | 77.3  |
| 39       | 59.2  | 44.1  | 66.1  |





#49

1,4-Dioxane

Concen: 504.361 ug/l

RT: 6.71 min Scan# 617

Delta R.T. 0.00 min

Lab File: VF061336.D

Acq: 10 Jan 2019 10:05

Instrument :

MSVOA\_F

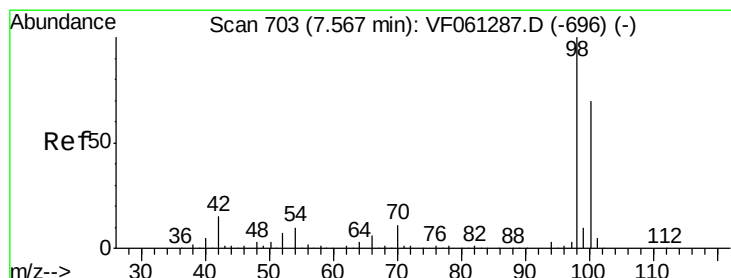
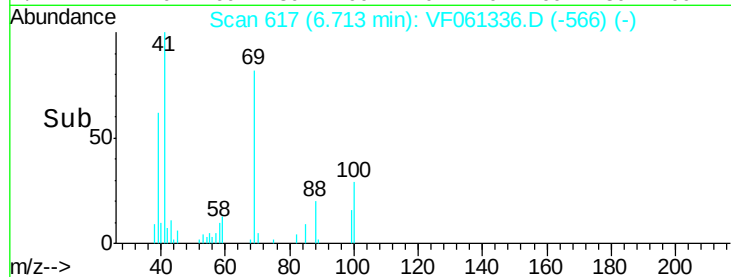
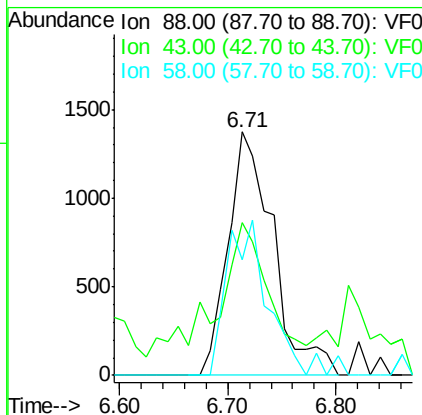
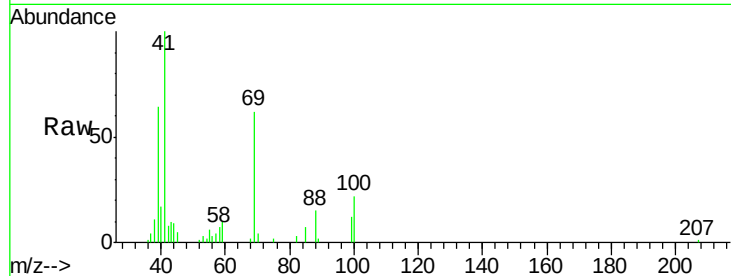
ClientSampleId :

VF0110SBSD03

| Tot Ion | 88    | Resp  | 4014  |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 62.6  | 38.5  | 57.7# |
| 58      | 47.3  | 57.0  | 85.4# |

Manual Integrations  
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1/10/2019 3:33:33 PM



#50

Toluene-d8

Concen: 49.472 ug/l

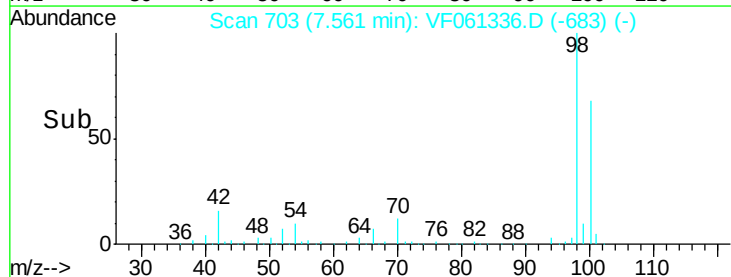
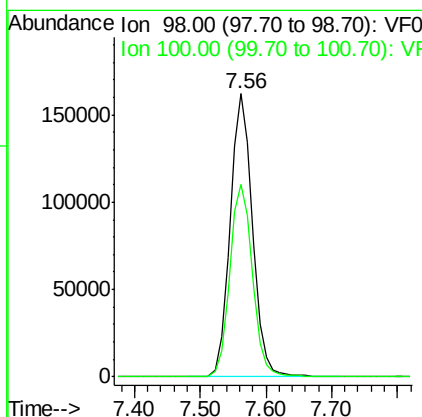
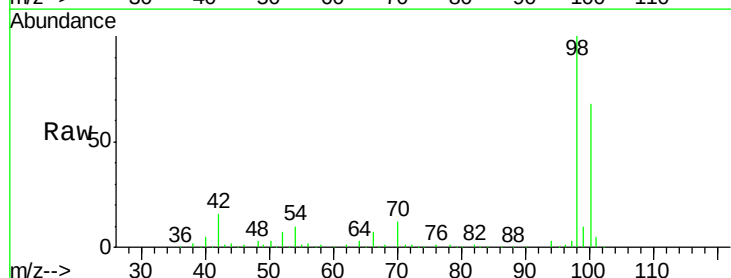
RT: 7.56 min Scan# 703

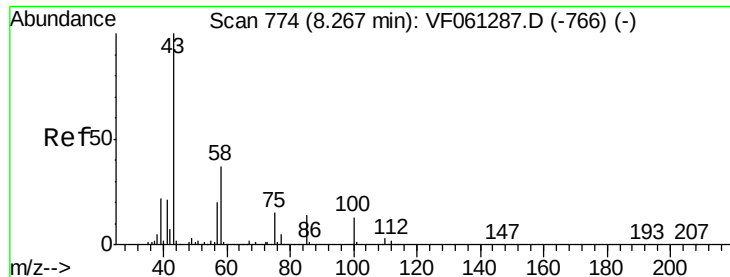
Delta R.T. -0.01 min

Lab File: VF061336.D

Acq: 10 Jan 2019 10:05

| Tgt Ion | 98    | Resp  | 387709 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 98      | 100   |       |        |
| 100     | 67.9  | 55.6  | 83.4   |





#51

4-Methyl-2-Pentanone

Concen: 107.995 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF061336.D

Acq: 10 Jan 2019 10:05

Instrument :

MSVOA\_F

ClientSampleId :

VF0110SBSD03

Tot Ion: 43 Resp: 158396

Ion Ratio Lower Upper

43 100

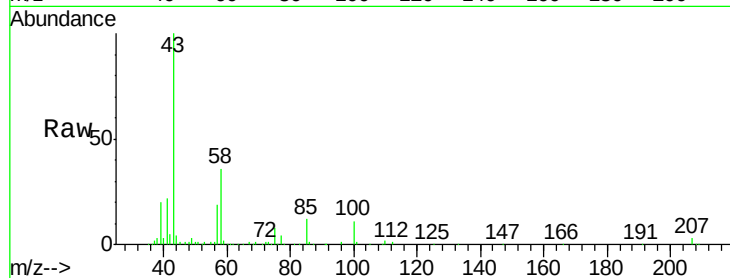
58 36.4 29.6 44.4

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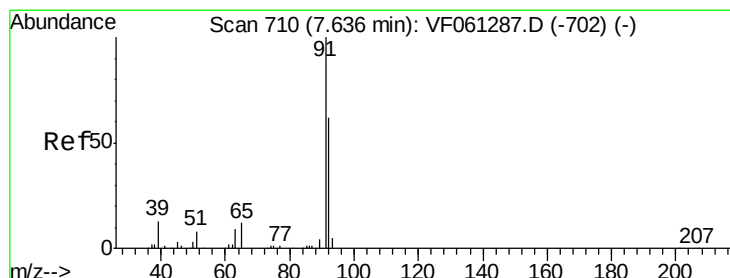
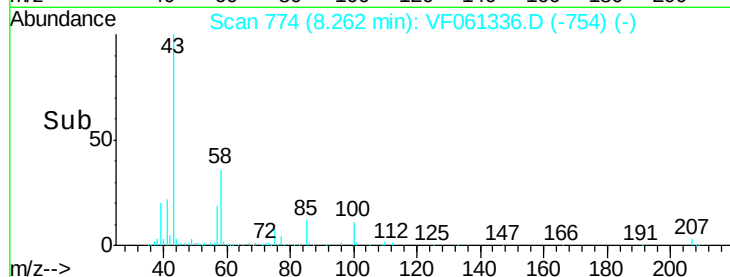
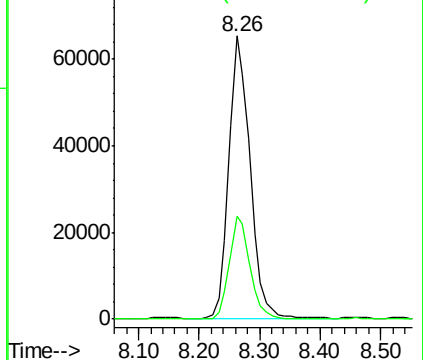
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 19.987 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.01 min

Lab File: VF061336.D

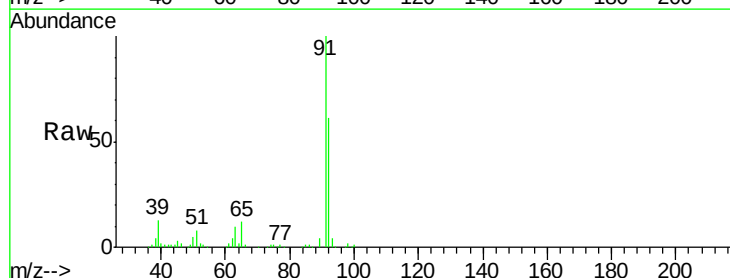
Acq: 10 Jan 2019 10:05

Tgt Ion: 92 Resp: 121219

Ion Ratio Lower Upper

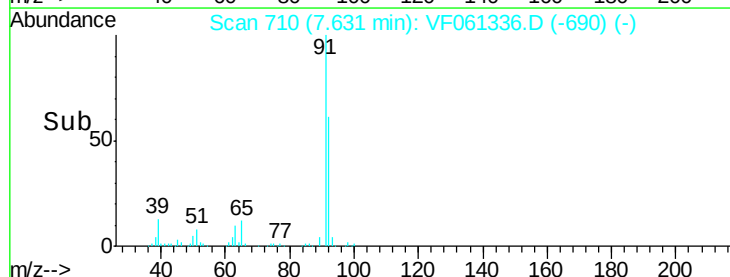
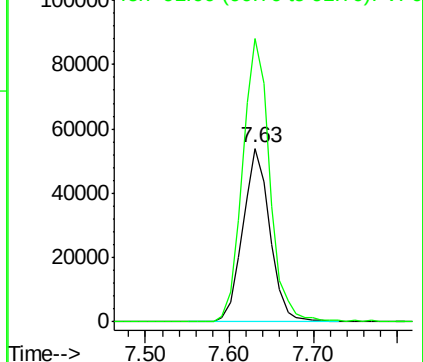
92 100

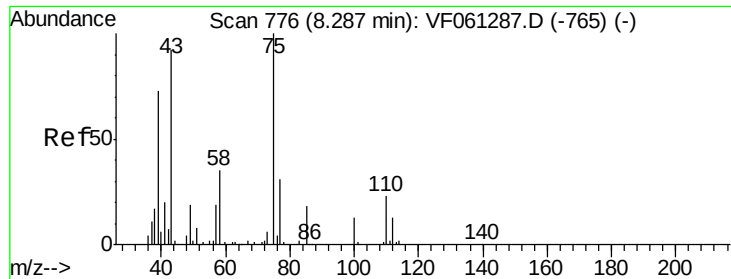
91 163.3 129.2 193.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 18.620 ug/l

RT: 8.28 min Scan# 776

Delta R.T. -0.01 min

Lab File: VF061336.D

Acq: 10 Jan 2019 10:05

Tot Ion: 75 Resp: 53580

Ion Ratio Lower Upper

75 100

77 29.2 24.7 37.1

Instrument :

MSVOA\_F

ClientSampleId :

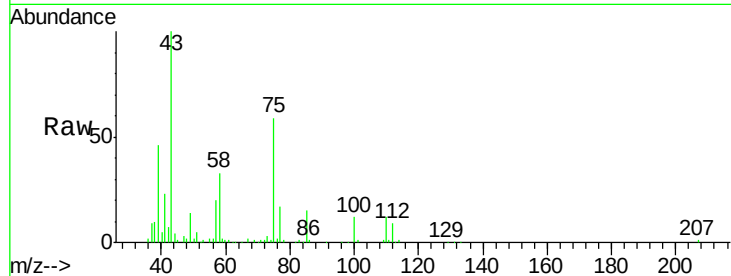
VF0110SBSD03

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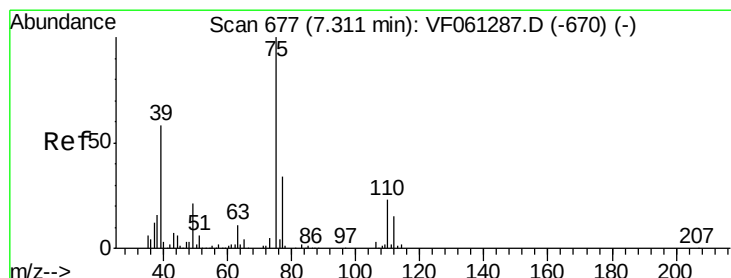
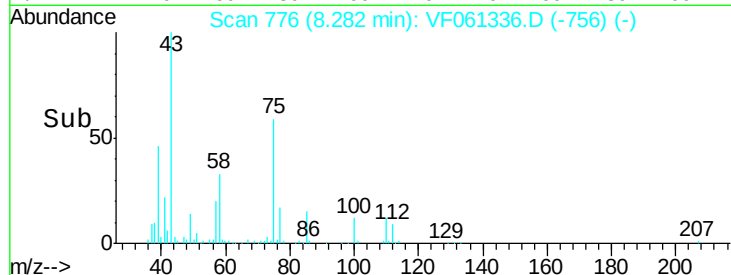
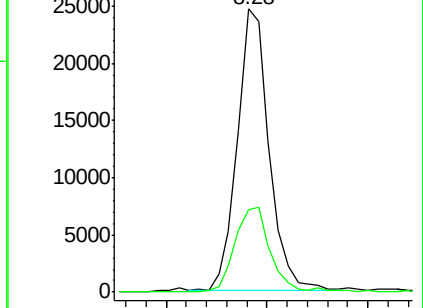
MMDadoda

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 20.573 ug/l

RT: 7.31 min Scan# 677

Delta R.T. -0.01 min

Lab File: VF061336.D

Acq: 10 Jan 2019 10:05

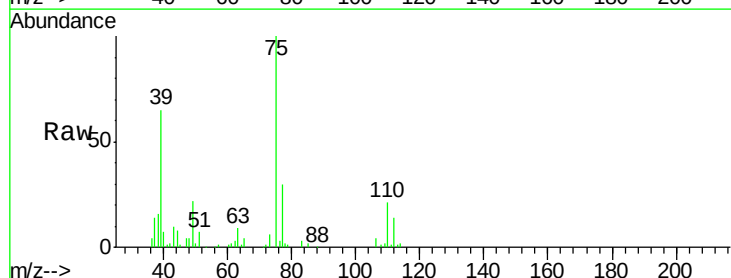
Tgt Ion: 75 Resp: 78491

Ion Ratio Lower Upper

75 100

77 30.5 27.3 40.9

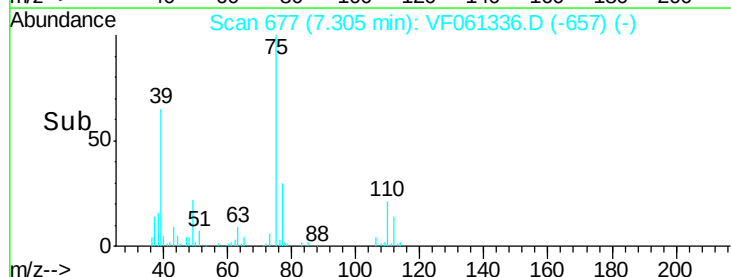
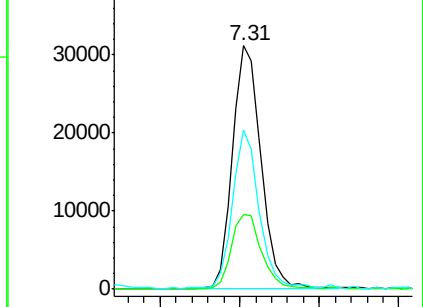
39 65.4 46.3 69.5



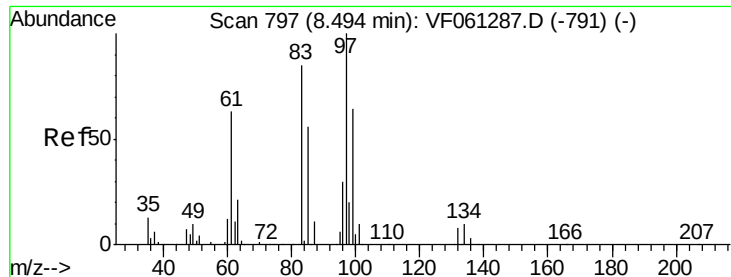
Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0







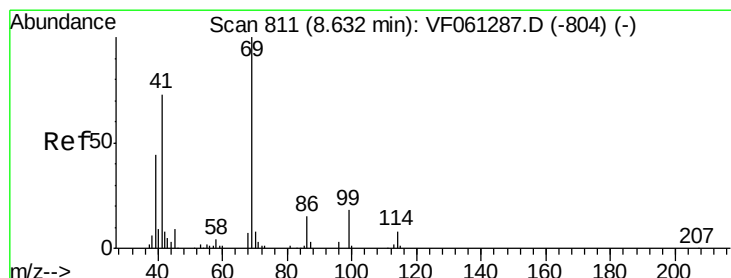
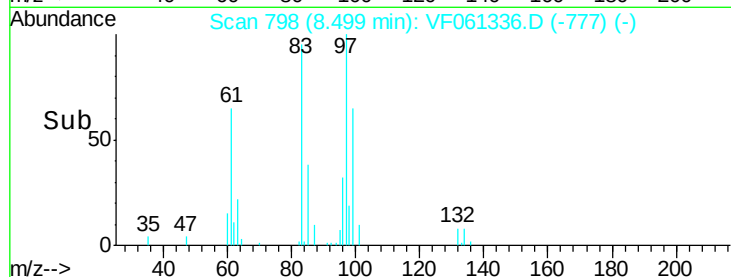
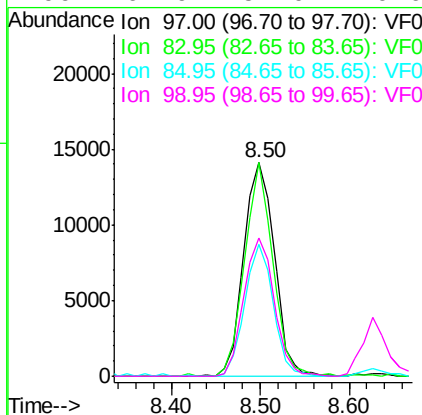
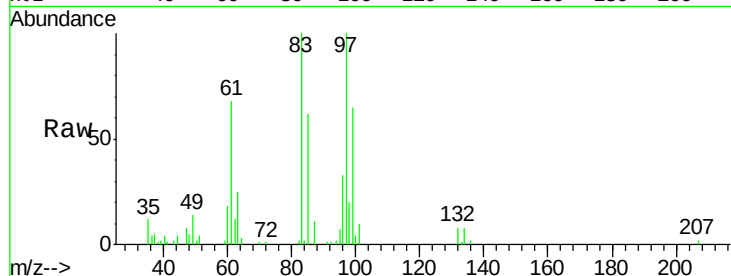
#55  
 1,1,2-Trichloroethane  
 Concen: 19.910 ug/l  
 RT: 8.50 min Scan# 798  
 Delta R.T. 0.00 min  
 Lab File: VF061336.D  
 Acq: 10 Jan 2019 10:05

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0110SBSD03

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 33791 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 99.9  | 67.8  | 101.6 |
| 85       | 61.9  | 45.1  | 67.7  |
| 99       | 64.9  | 51.0  | 76.6  |

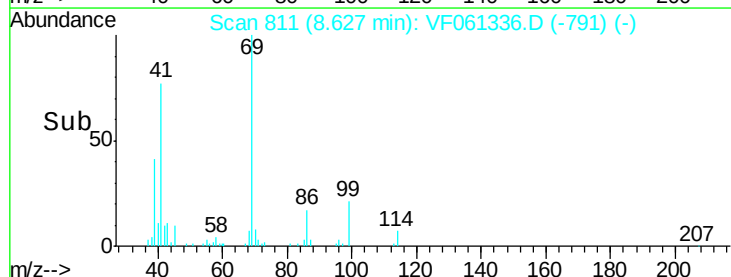
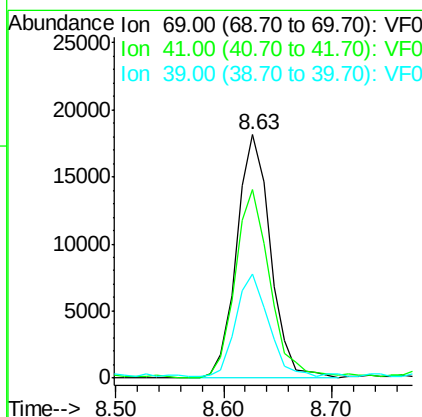
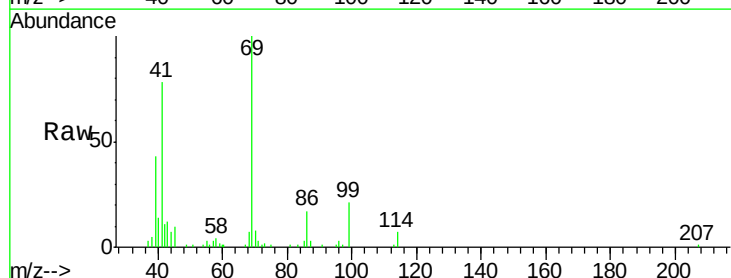
Manual Integrations  
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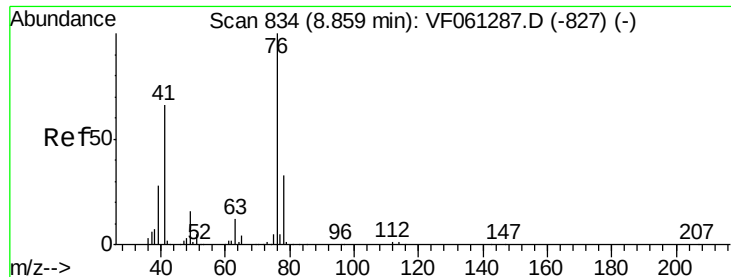
MMDadoda  
 1/10/2019 3:33:33 PM



#56  
 Ethyl methacrylate  
 Concen: 20.797 ug/l  
 RT: 8.63 min Scan# 811  
 Delta R.T. -0.01 min  
 Lab File: VF061336.D  
 Acq: 10 Jan 2019 10:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 39448 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 77.7  | 59.0  | 88.4  |
| 39       | 42.6  | 35.3  | 52.9  |





#57

1,3-Dichloropropane

Concen: 21.673 ug/l

RT: 8.86 min Scan# 835

Delta R.T. 0.00 min

Lab File: VF061336.D

Acq: 10 Jan 2019 10:05

Instrument :

MSVOA\_F

ClientSampleId :

VF0110SBSD03

Tot Ion: 76 Resp: 65096

Ion Ratio Lower Upper

76 100

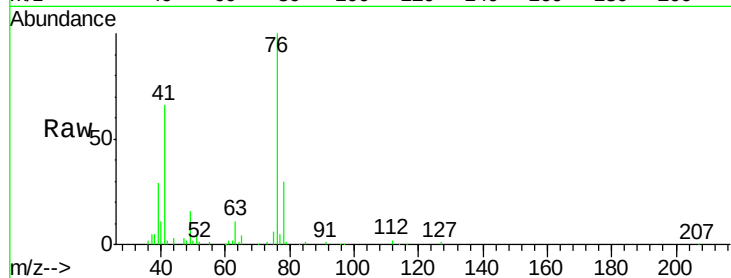
78 30.3 26.8 40.2

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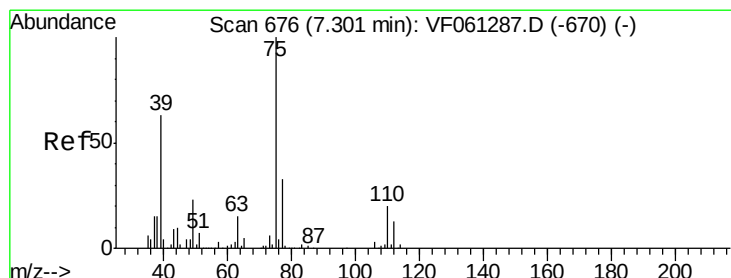
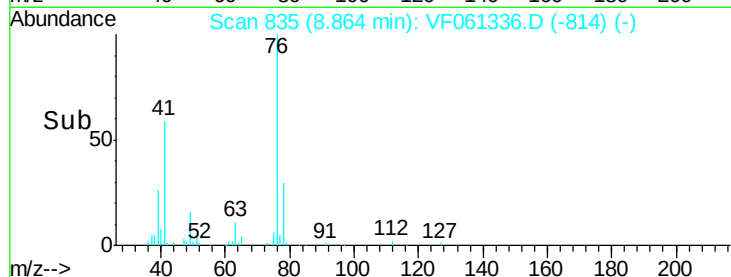
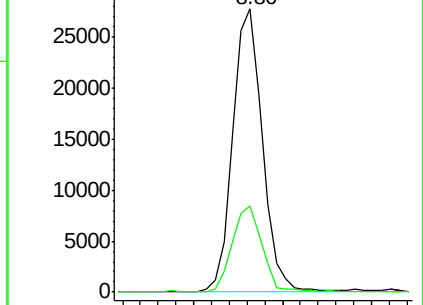
MMDadoda

1/10/2019 3:33:33 PM



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 105.502 ug/l

RT: 7.30 min Scan# 676

Delta R.T. -0.01 min

Lab File: VF061336.D

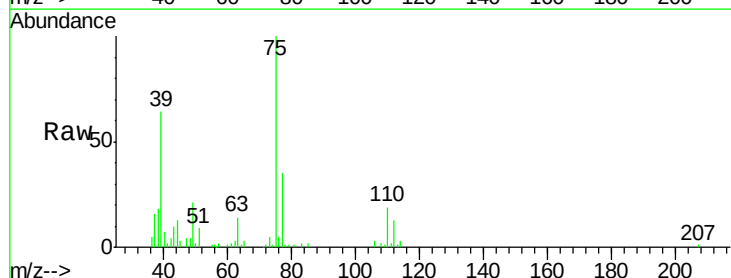
Acq: 10 Jan 2019 10:05

Tgt Ion: 63 Resp: 8528

Ion Ratio Lower Upper

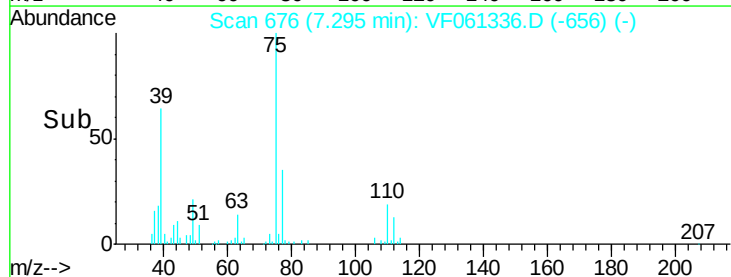
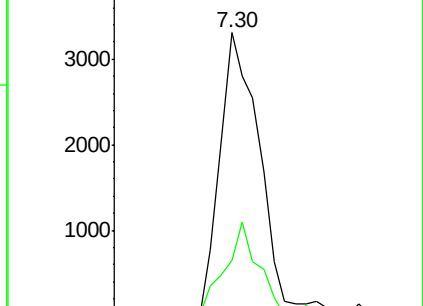
63 100

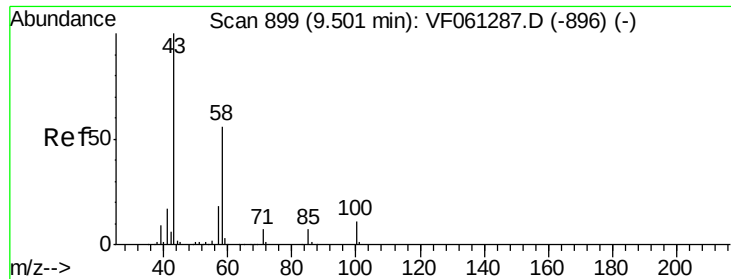
106 19.8 16.5 24.7



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





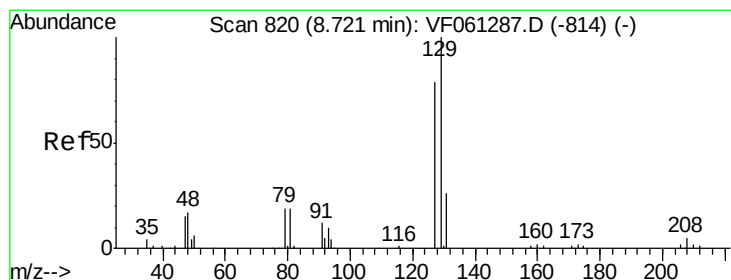
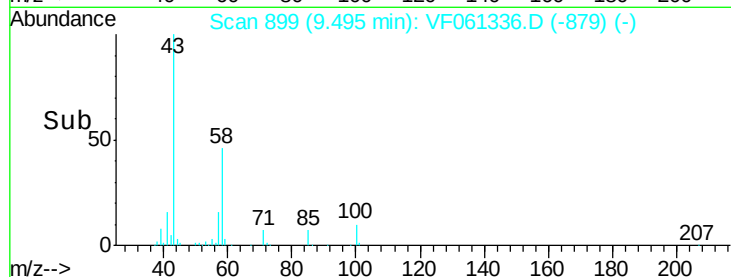
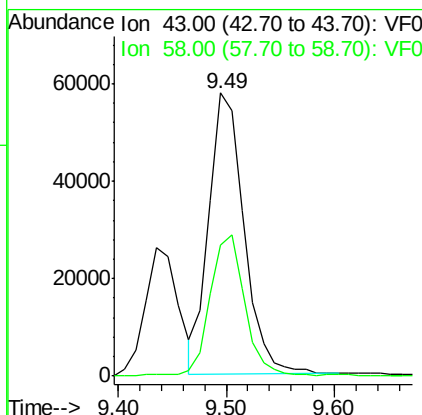
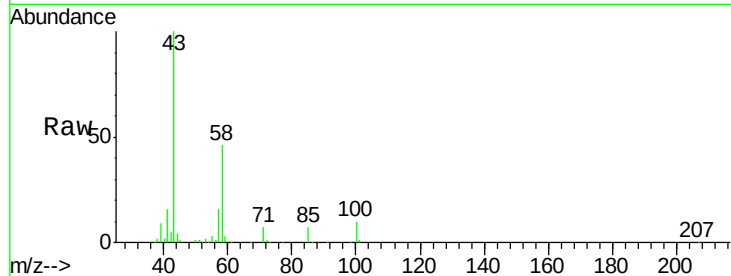
#59  
2-Hexanone  
Concen: 125.684 ug/l  
RT: 9.49 min Scan# 899  
Delta R.T. -0.01 min  
Lab File: VF061336.D  
Acq: 10 Jan 2019 10:05

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0110SBSD03

Tot Ion: 43 Resp: 130596  
Ion Ratio Lower Upper  
43 100  
58 46.3 25.6 76.8

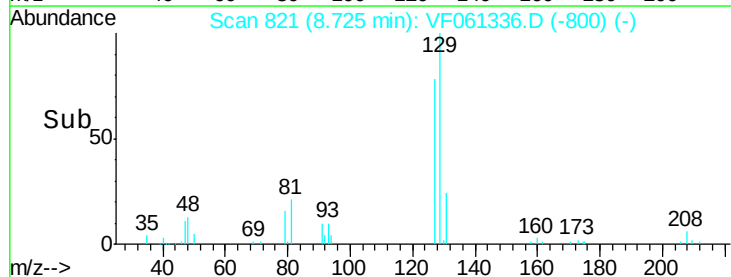
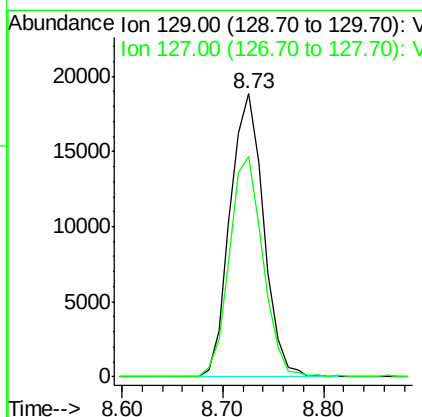
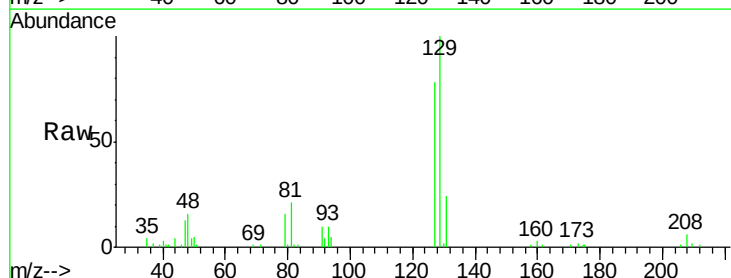
Manual Integrations  
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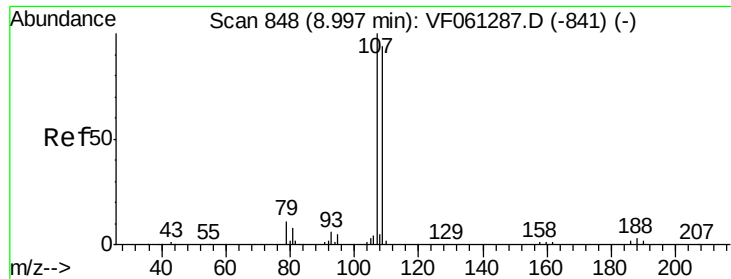
MMDadoda  
1/10/2019 3:33:33 PM



#60  
Dibromochloromethane  
Concen: 19.311 ug/l  
RT: 8.73 min Scan# 821  
Delta R.T. 0.00 min  
Lab File: VF061336.D  
Acq: 10 Jan 2019 10:05

Tgt Ion: 129 Resp: 43642  
Ion Ratio Lower Upper  
129 100  
127 78.0 39.4 118.1





#61

1,2-Dibromoethane

Concen: 21.102 ug/l

RT: 8.99 min Scan# 848

Delta R.T. -0.01 min

Lab File: VF061336.D

Acq: 10 Jan 2019 10:05

Instrument :

MSVOA\_F

ClientSampleId :

VF0110SBSD03

Tot Ion:107 Resp: 36506

Ion Ratio Lower Upper

107 100

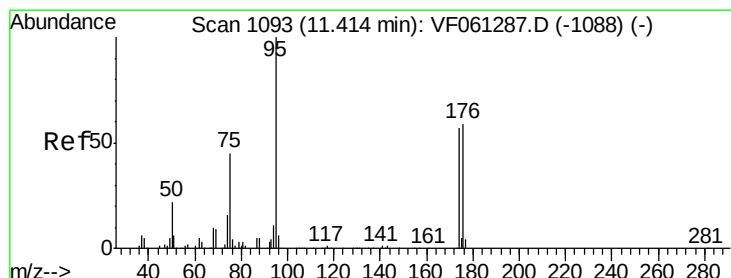
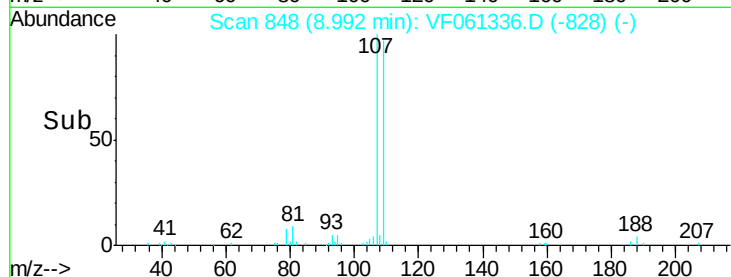
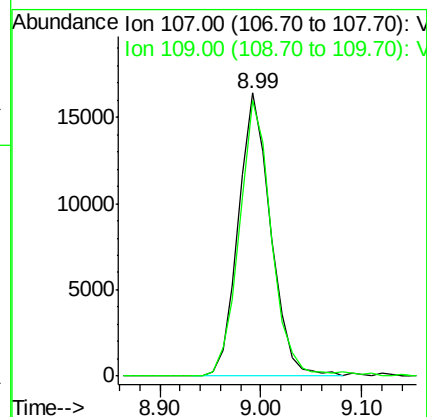
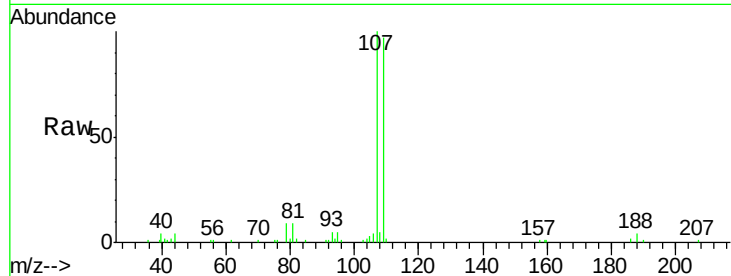
109 97.3 75.1 112.7

Manual Integrations

APPROVED

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#62

4-Bromofluorobenzene

Concen: 52.042 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF061336.D

Acq: 10 Jan 2019 10:05

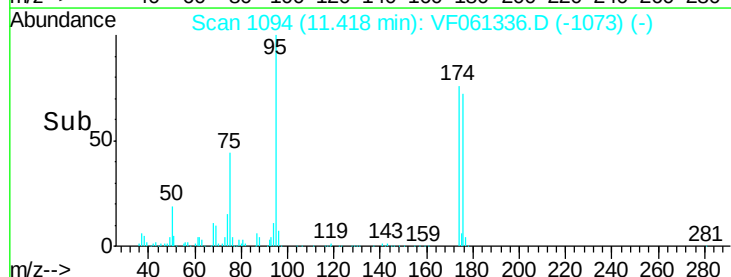
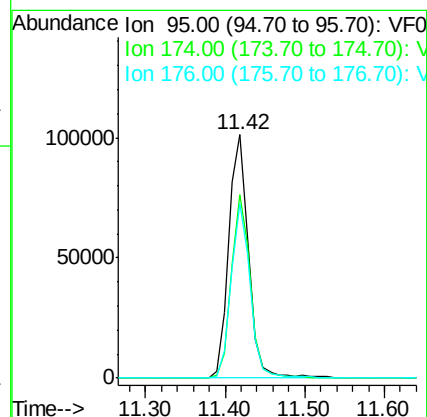
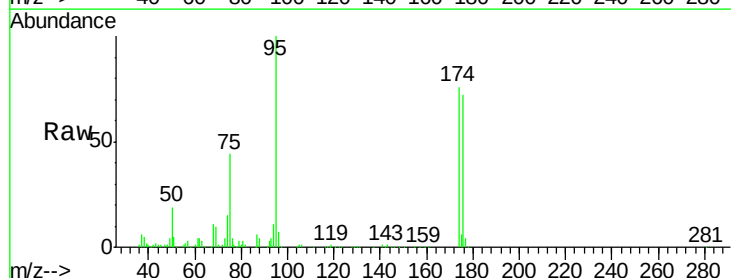
Tgt Ion: 95 Resp: 178092

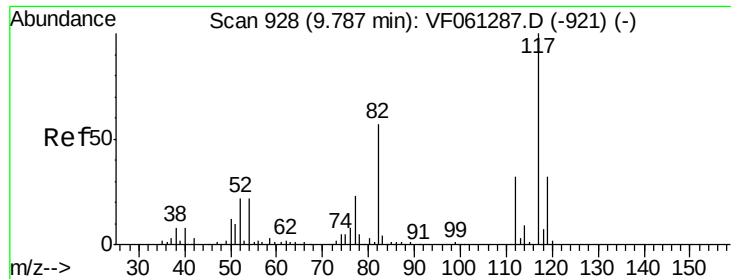
Ion Ratio Lower Upper

95 100

174 75.6 0.0 114.2

176 71.5 0.0 117.8





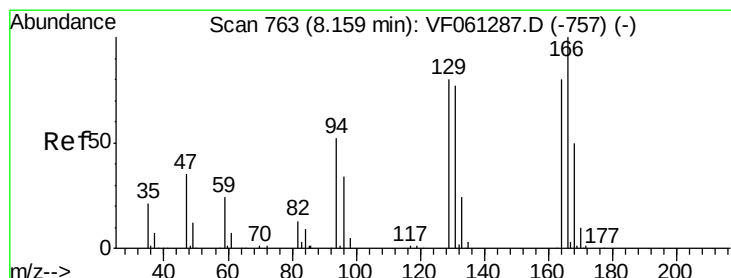
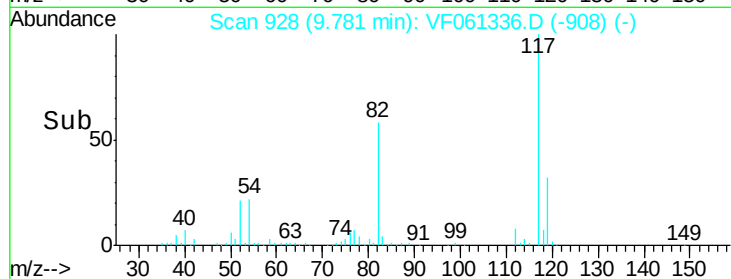
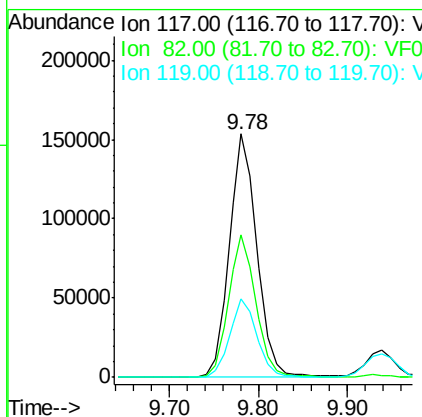
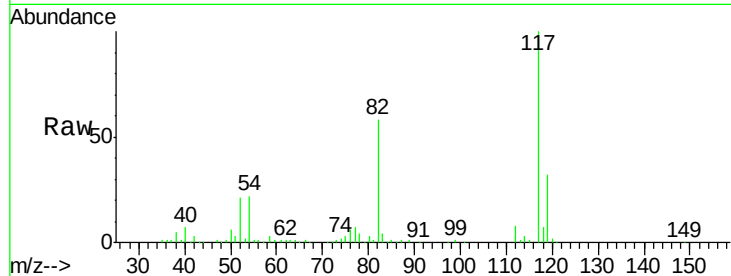
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.78 min Scan# 928  
Delta R.T. -0.01 min  
Lab File: VF061336.D  
Acq: 10 Jan 2019 10:05

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0110SBSD03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 58.4  | 45.3  | 67.9  |
| 119     | 32.4  | 25.4  | 38.0  |

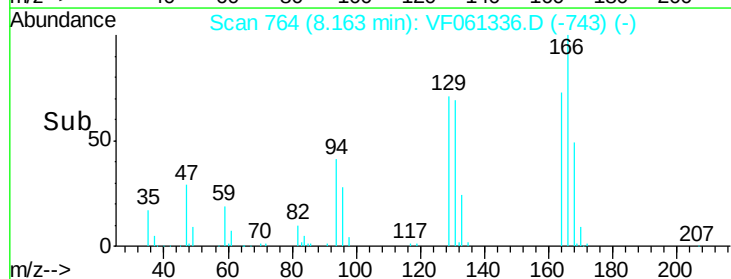
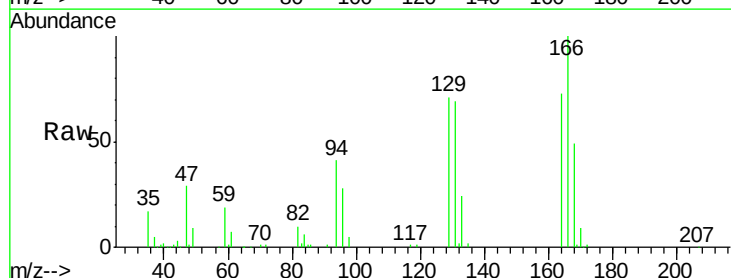
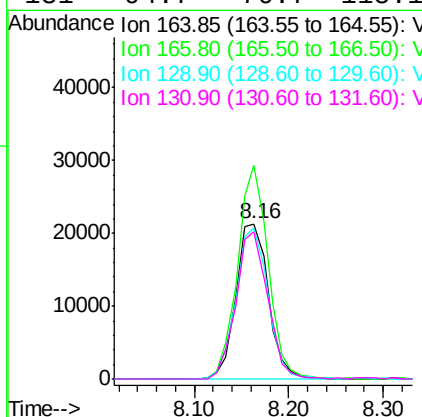
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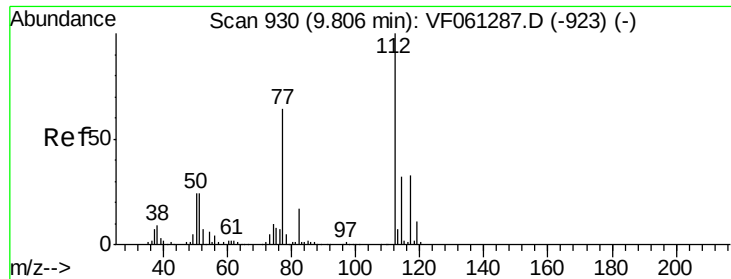
MMDadoda  
1/10/2019 3:33:33 PM



#64  
Tetrachloroethene  
Concen: 20.771 ug/l  
RT: 8.16 min Scan# 764  
Delta R.T. 0.00 min  
Lab File: VF061336.D  
Acq: 10 Jan 2019 10:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 137.4 | 100.1 | 150.1 |
| 129     | 97.6  | 80.1  | 120.1 |
| 131     | 94.7  | 76.7  | 115.1 |





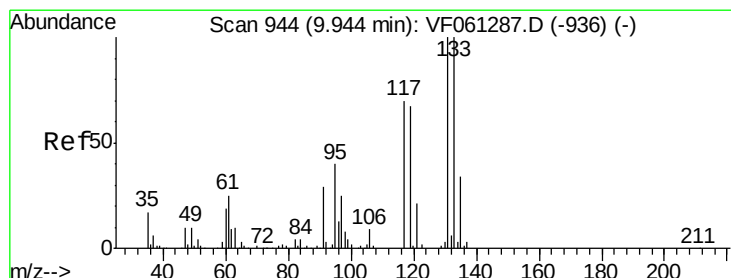
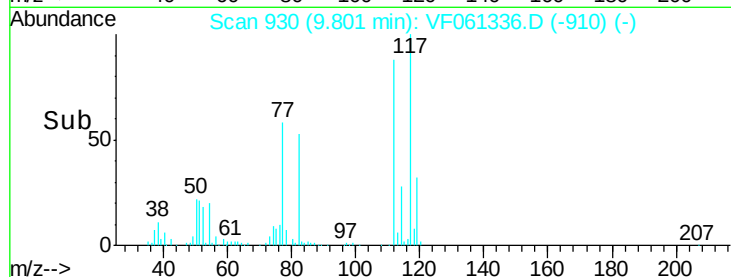
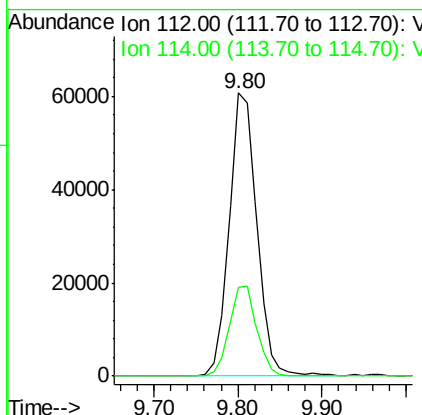
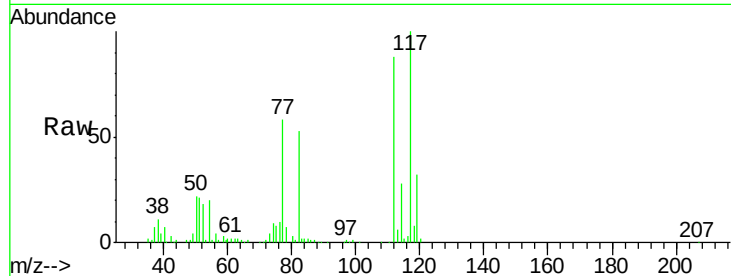
#65  
Chlorobenzene  
Concen: 20.585 ug/l  
RT: 9.80 min Scan# 930  
Delta R.T. -0.01 min  
Lab File: VF061336.D  
Acq: 10 Jan 2019 10:05

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0110SBSD03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 31.4  | 25.8  | 38.8  |

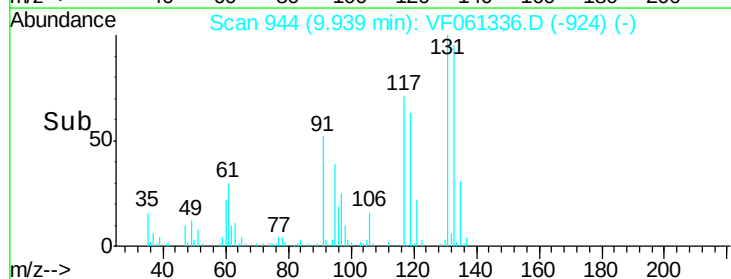
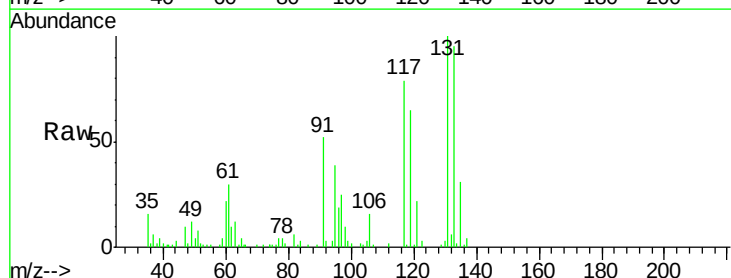
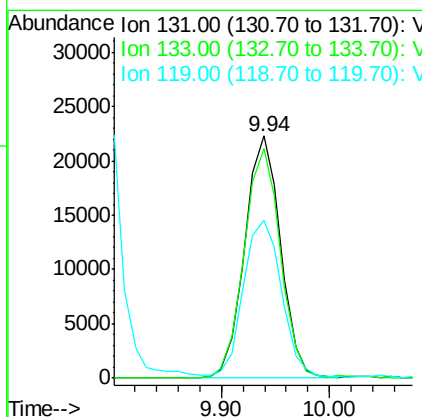
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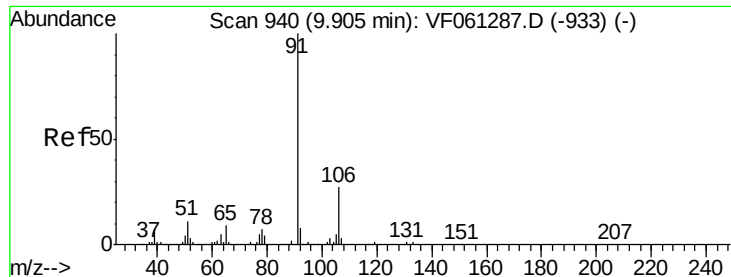
MMDadoda  
1/10/2019 3:33:33 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 18.553 ug/l  
RT: 9.94 min Scan# 944  
Delta R.T. -0.01 min  
Lab File: VF061336.D  
Acq: 10 Jan 2019 10:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 95.0  | 49.9  | 149.6 |
| 119     | 65.3  | 33.9  | 101.6 |





#67

Ethyl Benzene

Concen: 19.995 ug/l

RT: 9.91 min Scan# 941

Delta R.T. 0.00 min

Lab File: VF061336.D

Acq: 10 Jan 2019 10:05

Instrument :

MSVOA\_F

ClientSampleId :

VF0110SBSD03

Tot Ion: 91 Resp: 260965

Ion Ratio Lower Upper

91 100

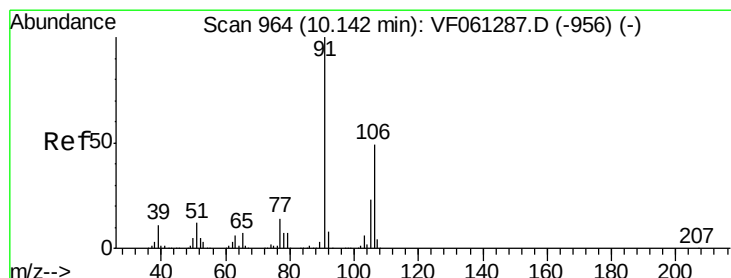
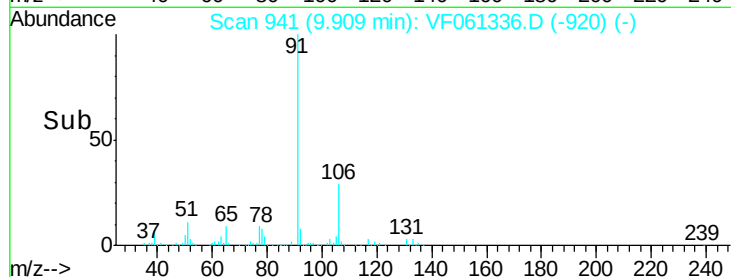
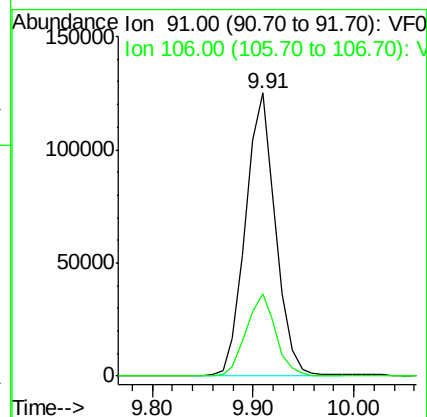
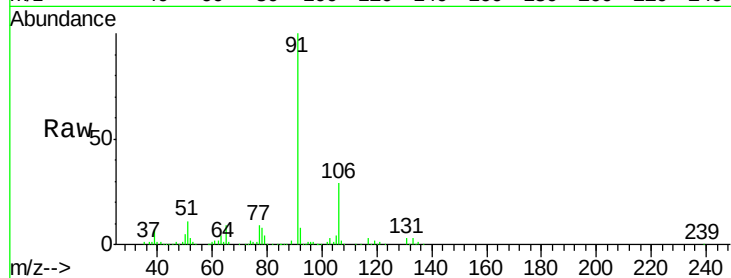
106 29.1 21.4 32.2

Manual Integrations

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1/10/2019 3:33:33 PM



#68

m/p-Xylenes

Concen: 44.472 ug/l

RT: 10.14 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF061336.D

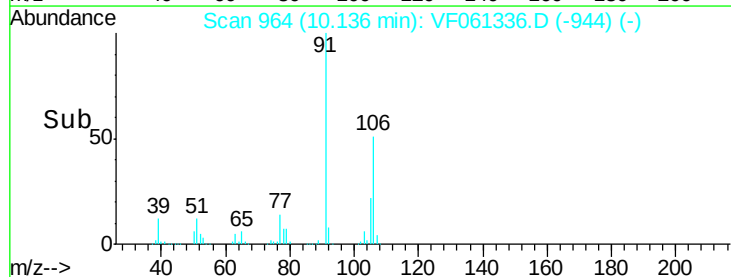
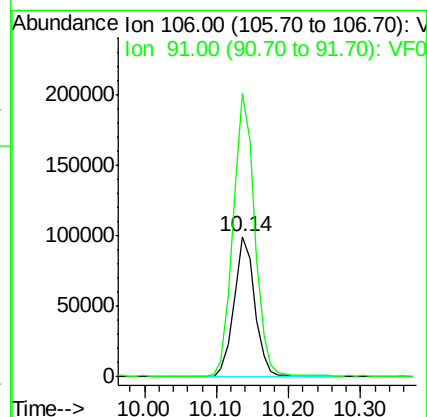
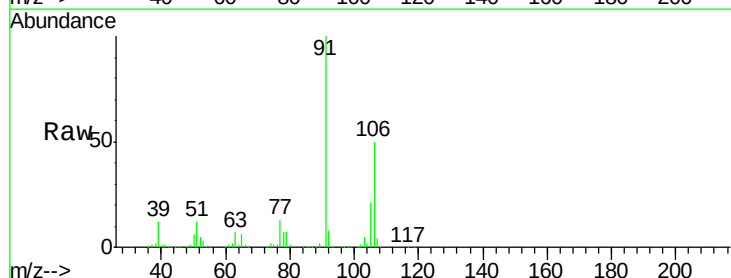
Acq: 10 Jan 2019 10:05

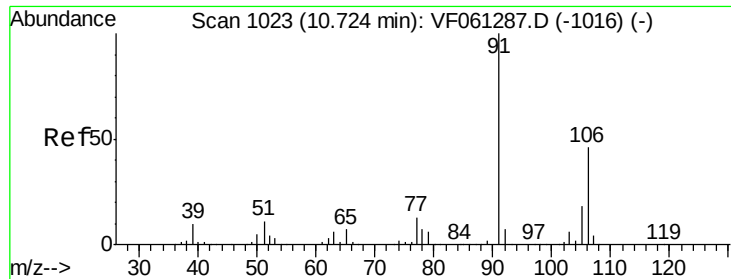
Tgt Ion: 106 Resp: 202467

Ion Ratio Lower Upper

106 100

91 201.4 165.0 247.6





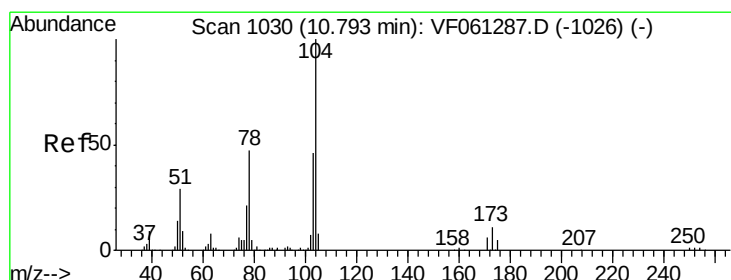
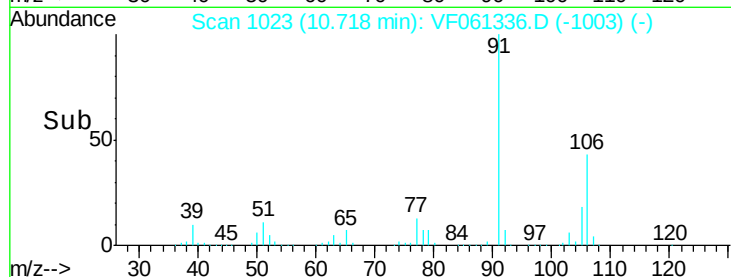
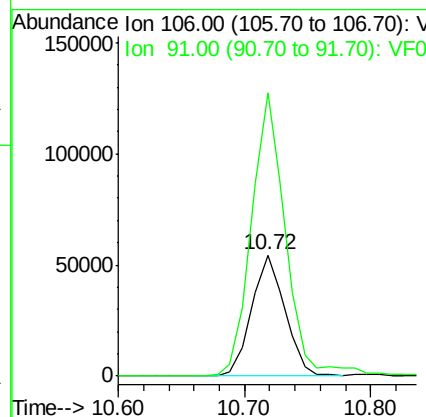
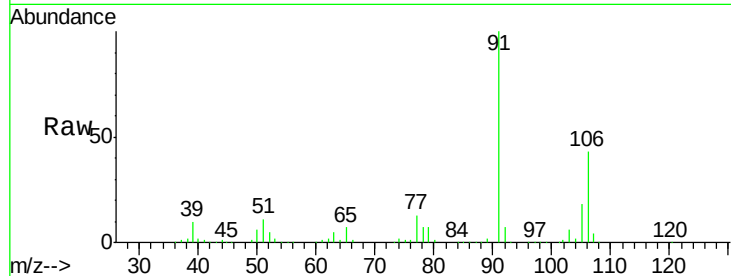
#69  
o-Xylene  
Concen: 19.837 ug/l  
RT: 10.72 min Scan# 1023  
Delta R.T. -0.01 min  
Lab File: VF061336.D  
Acq: 10 Jan 2019 10:05

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0110SBSD03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 234.2 | 108.1 | 324.4 |

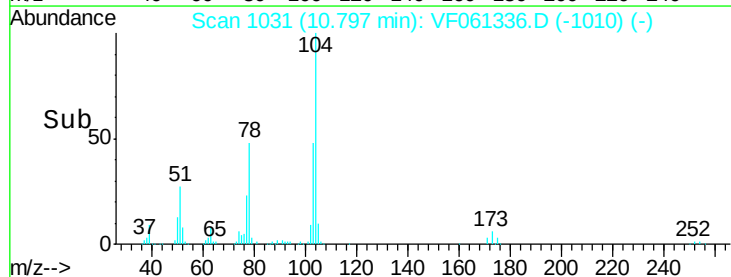
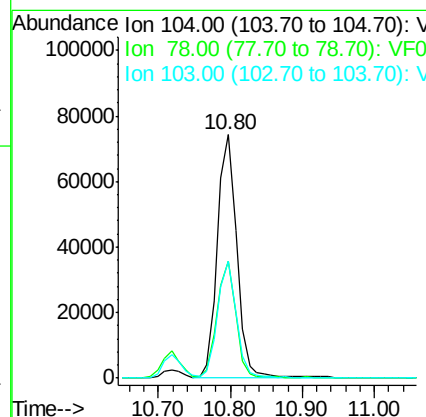
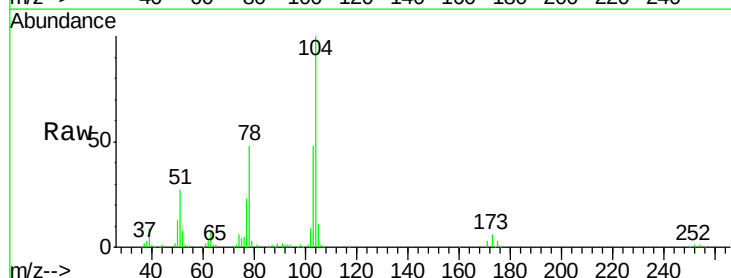
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1/10/2019 3:33:33 PM

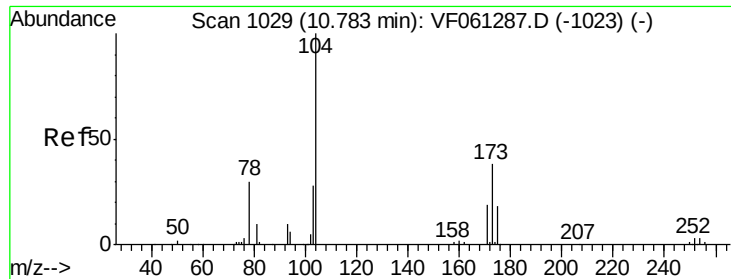


#70  
Styrene  
Concen: 20.415 ug/l  
RT: 10.80 min Scan# 1031  
Delta R.T. 0.00 min  
Lab File: VF061336.D  
Acq: 10 Jan 2019 10:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 47.9  | 38.0  | 57.0  |
| 103     | 48.2  | 36.7  | 55.1  |







#71

Bromoform

Concen: 19.139 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VF061336.D

Acq: 10 Jan 2019 10:05

Instrument :

MSVOA\_F

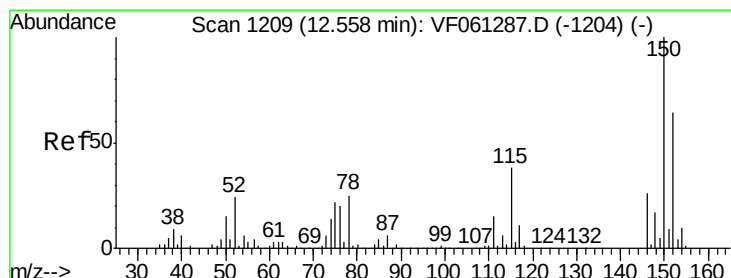
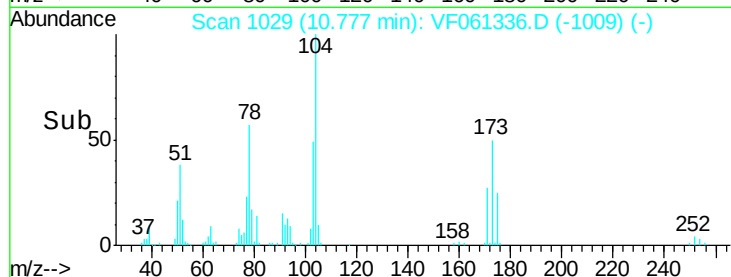
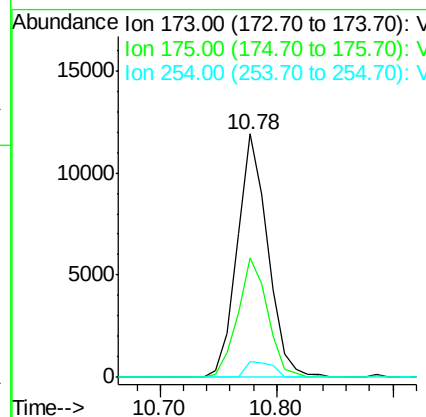
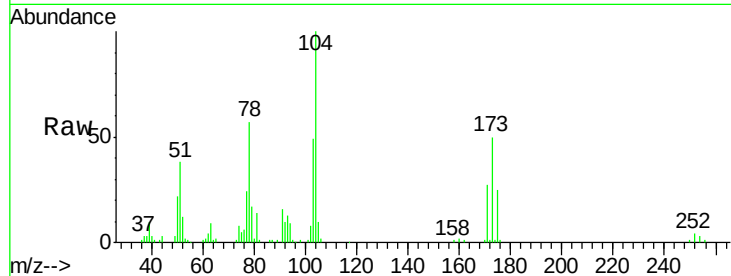
ClientSampleId :

VF0110SBSD03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.9  | 24.1  | 72.2  |
| 254     | 6.4   | 0.0   | 0.0#  |

Manual Integrations  
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1/10/2019 3:33:33 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

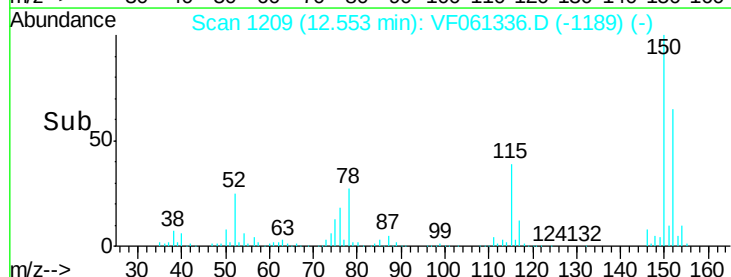
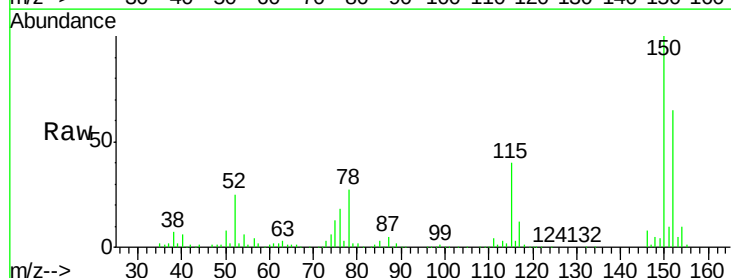
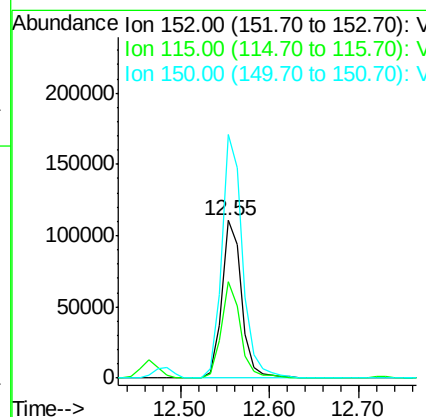
RT: 12.55 min Scan# 1209

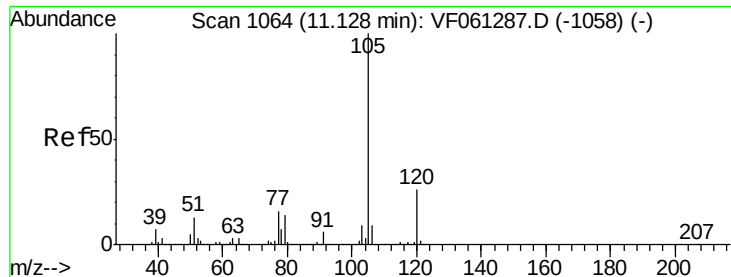
Delta R.T. -0.01 min

Lab File: VF061336.D

Acq: 10 Jan 2019 10:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 61.1  | 29.6  | 88.9  |
| 150     | 154.6 | 0.0   | 315.4 |





#73

Isopropylbenzene

Concen: 20.254 ug/l

RT: 11.13 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VF061336.D

Acq: 10 Jan 2019 10:05

Instrument :

MSVOA\_F

ClientSampleId :

VF0110SBS03

Tot Ion:105 Resp: 308583

Ion Ratio Lower Upper

105 100

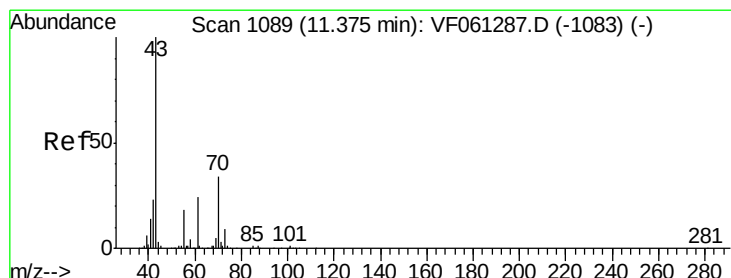
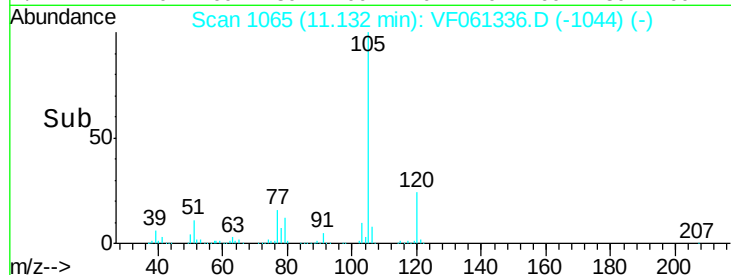
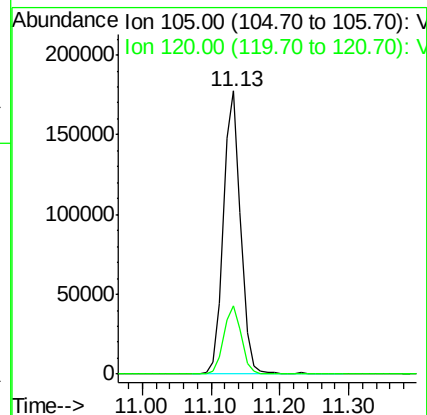
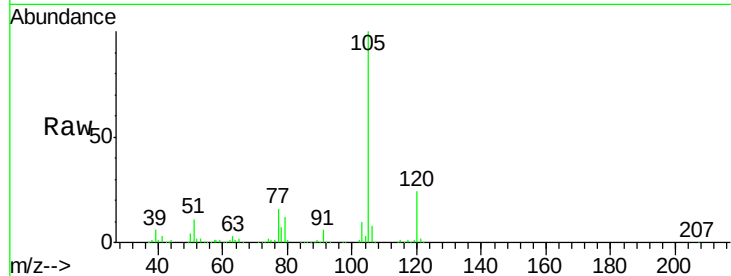
120 24.0 12.9 38.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 22.650 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VF061336.D

Acq: 10 Jan 2019 10:05

Tgt Ion: 43 Resp: 78444

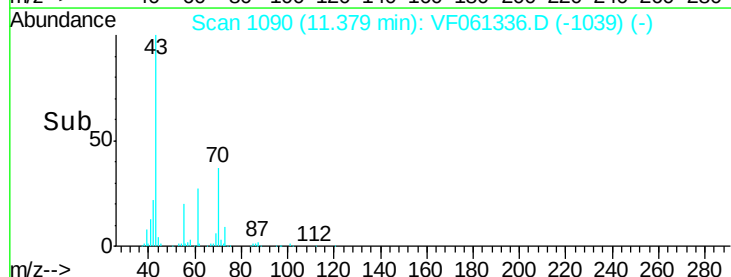
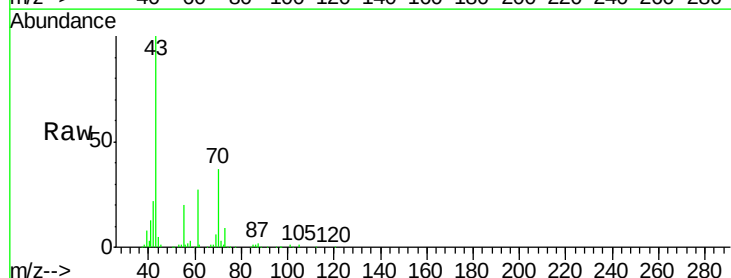
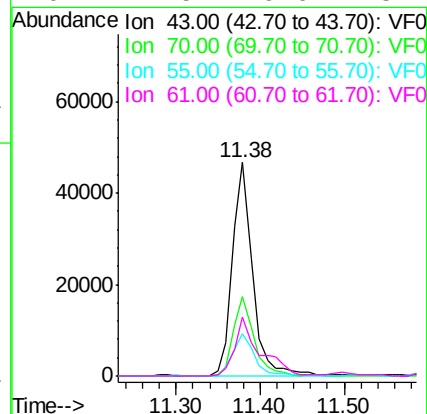
Ion Ratio Lower Upper

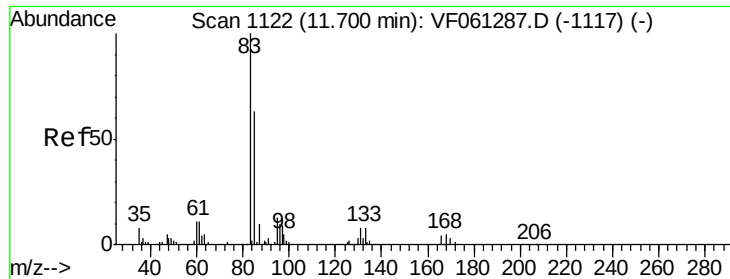
43 100

70 37.1 27.4 41.0

55 20.1 14.7 22.1

61 27.5 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.870 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VF061336.D

Acq: 10 Jan 2019 10:05

Instrument :

MSVOA\_F

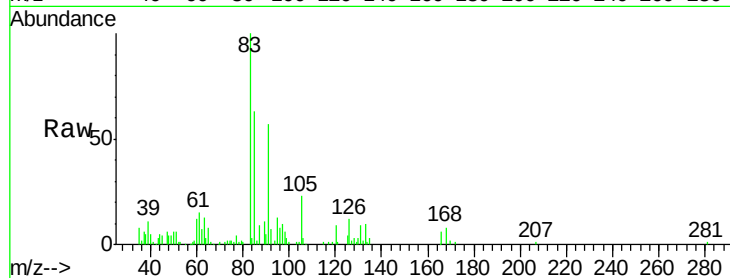
ClientSampleId :

VF0110SBSD03

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 48000 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 8.7   | 3.9   | 11.7  |
| 85        | 63.5  | 31.6  | 94.7  |

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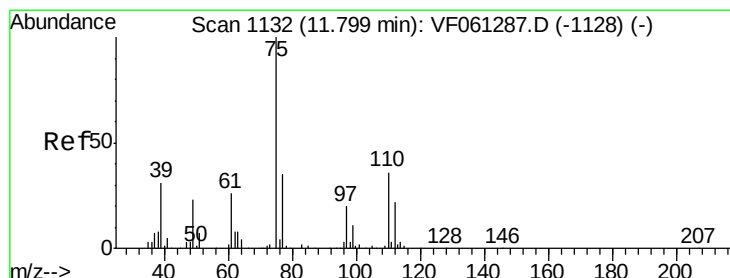
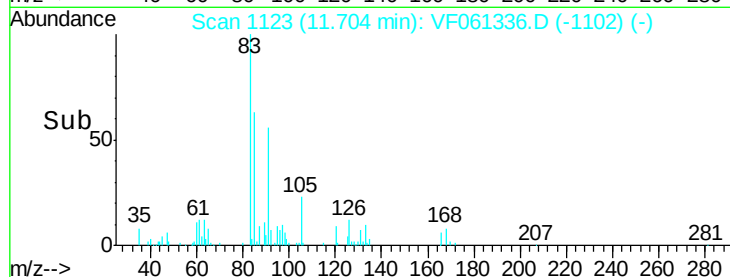
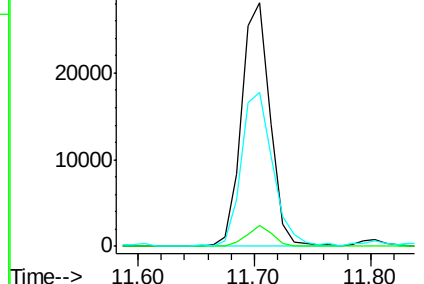
MMDadoda  
1/10/2019 3:33:33 PM



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 20.327 ug/l

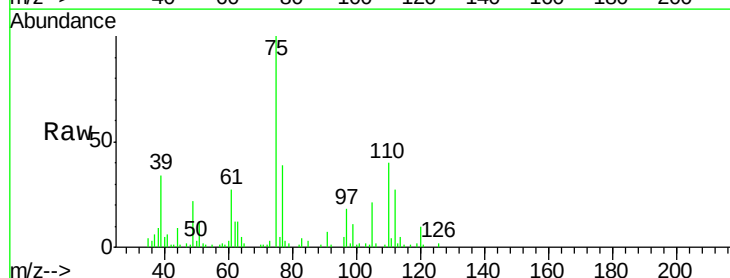
RT: 11.80 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VF061336.D

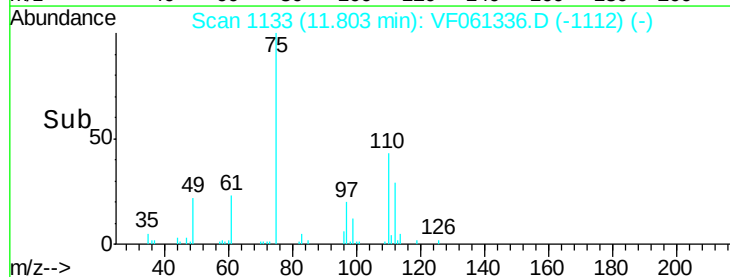
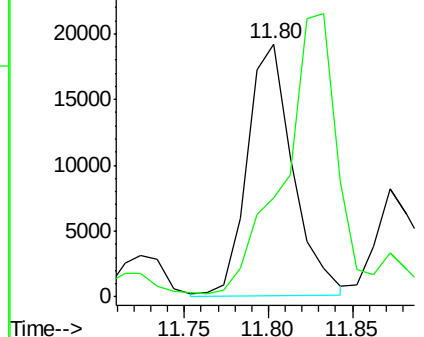
Acq: 10 Jan 2019 10:05

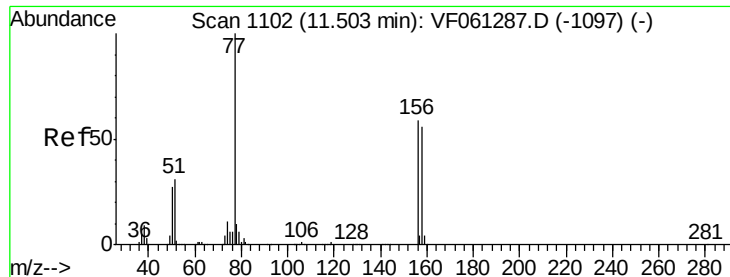
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 36015 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 39.4  | 17.5  | 52.5  |



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 20.888 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VF061336.D

Acq: 10 Jan 2019 10:05

Instrument :

MSVOA\_F

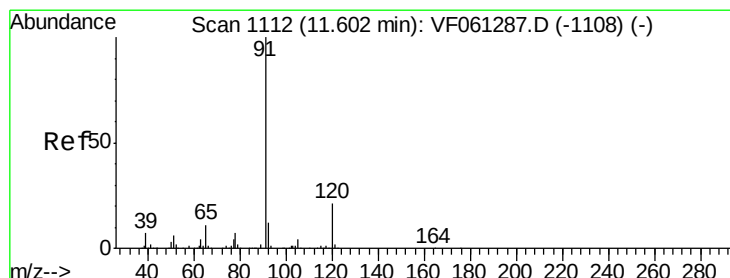
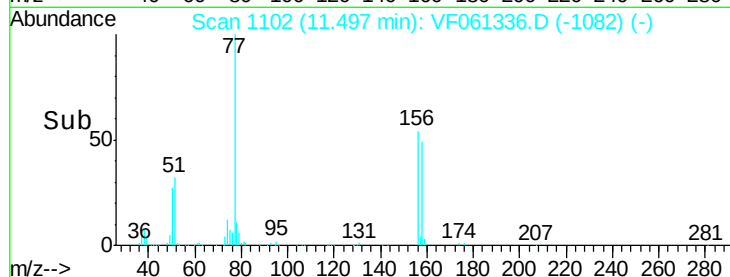
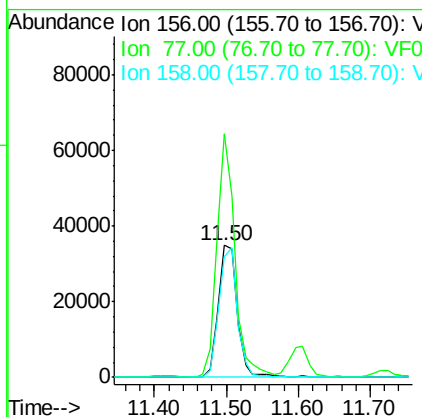
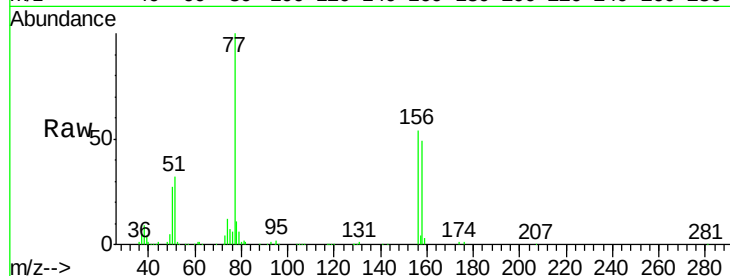
ClientSampleId :

VF0110SBSD03

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 156     | 100   |       |       |       |
| 77      | 184.7 | 84.3  | 252.9 |       |
| 158     | 91.1  | 47.1  | 141.3 |       |

Manual Integrations  
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#78

n-propylbenzene

Concen: 19.787 ug/l

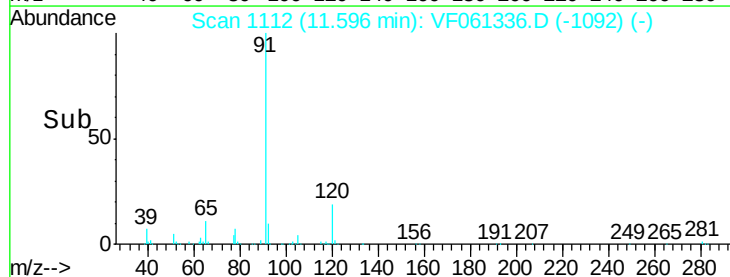
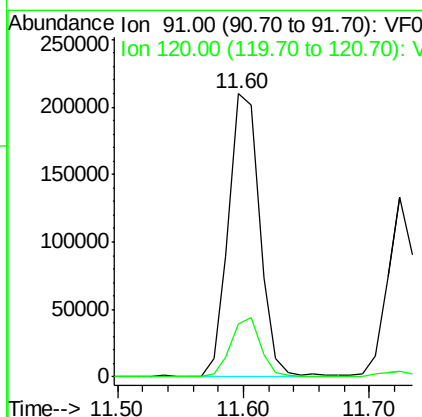
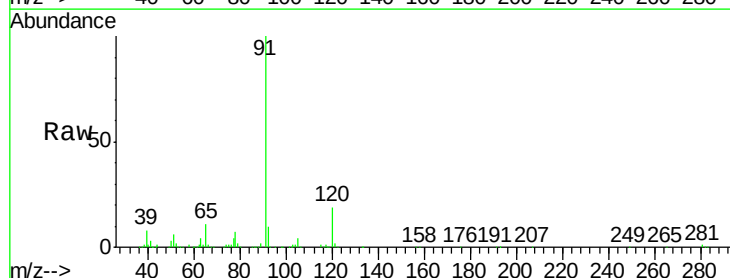
RT: 11.60 min Scan# 1112

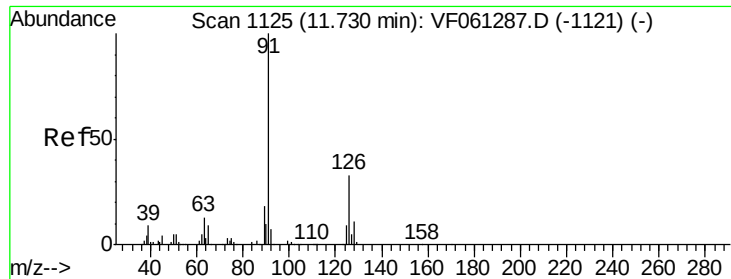
Delta R.T. -0.01 min

Lab File: VF061336.D

Acq: 10 Jan 2019 10:05

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 91      | 100  |       |       |       |
| 120     | 18.8 | 10.7  | 32.1  |       |





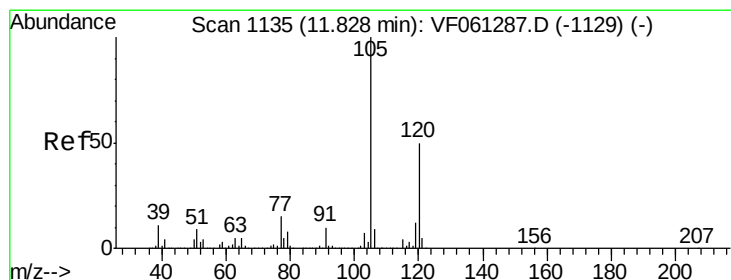
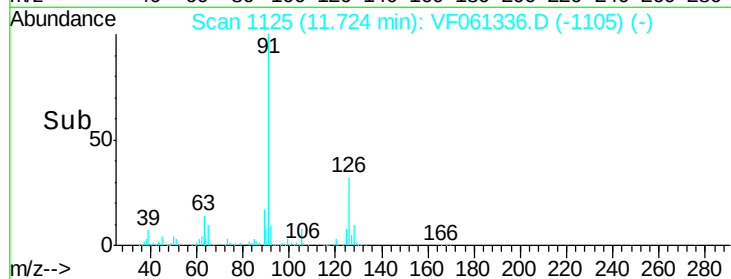
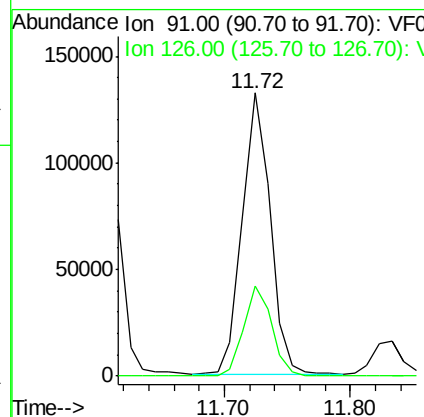
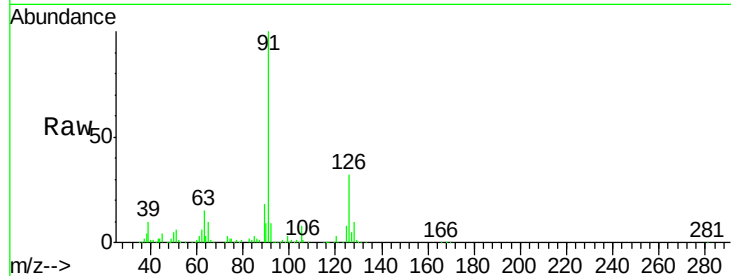
#79  
2-Chlorotoluene  
Concen: 20.018 ug/l  
RT: 11.72 min Scan# 1125  
Delta R.T. -0.01 min  
Lab File: VF061336.D  
Acq: 10 Jan 2019 10:05

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0110SBSD03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 31.8  | 16.6  | 49.8  |

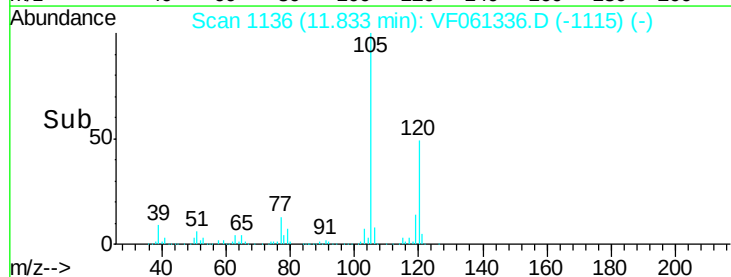
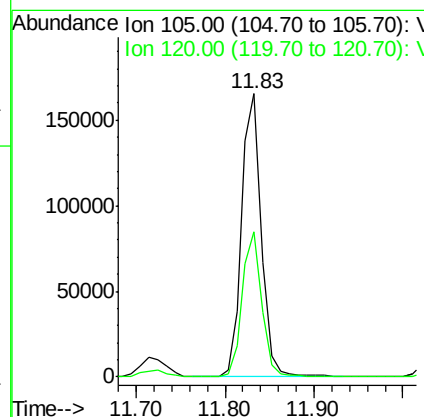
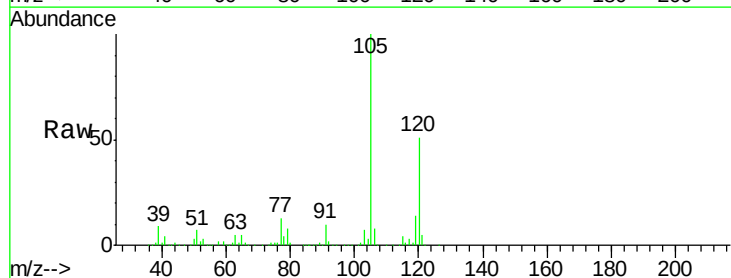
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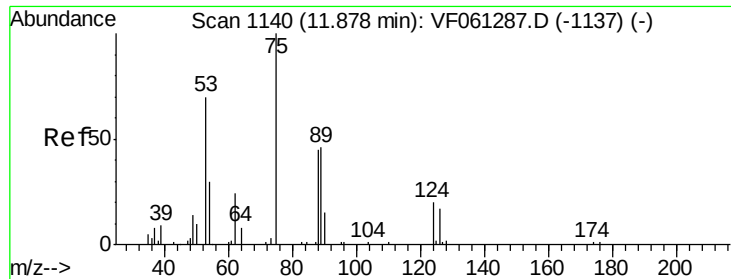
MMDadoda  
1/10/2019 3:33:33 PM



#80  
1,3,5-Trimethylbenzene  
Concen: 21.075 ug/l  
RT: 11.83 min Scan# 1136  
Delta R.T. 0.00 min  
Lab File: VF061336.D  
Acq: 10 Jan 2019 10:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 51.1  | 25.2  | 75.6  |





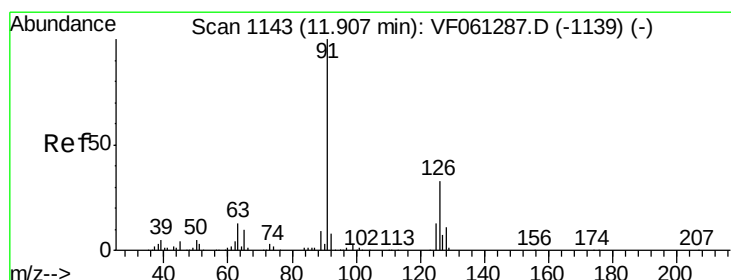
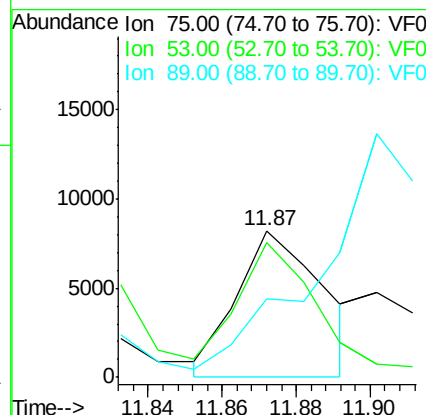
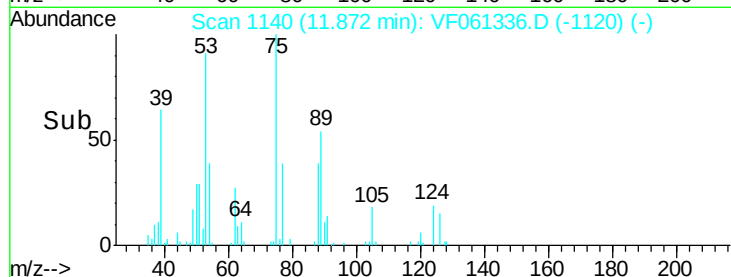
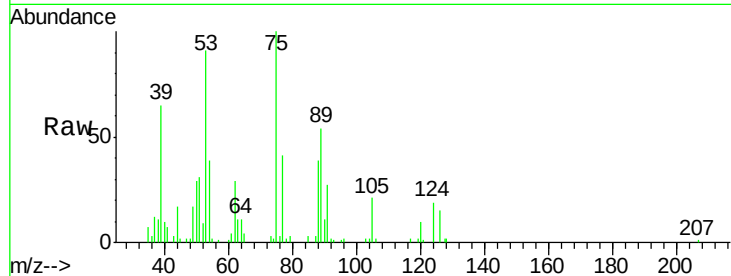
#81  
trans-1,4-Dichloro-2-butene  
Concen: 17.174 ug/l m  
RT: 11.87 min Scan# 1140  
Delta R.T. -0.01 min  
Lab File: VF061336.D  
Acq: 10 Jan 2019 10:05

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0110SBSD03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 91.5  | 62.2  | 93.2  |
| 89      | 53.8  | 40.2  | 60.4  |

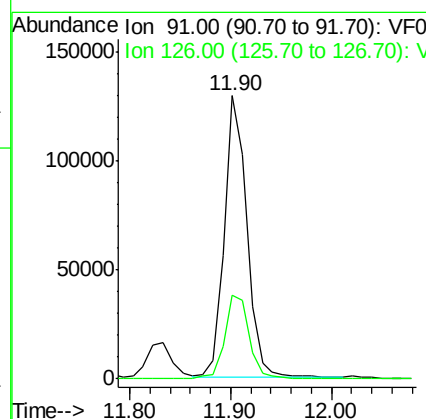
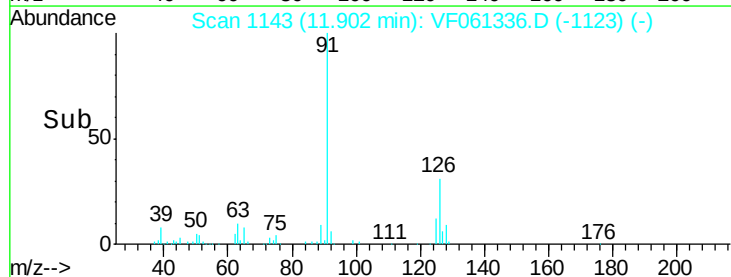
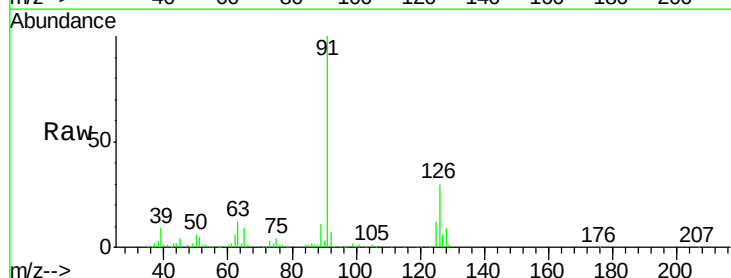
Manual Integrations  
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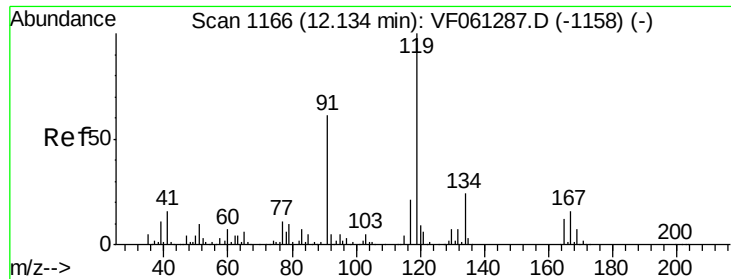
MMDadoda  
1/10/2019 3:33:33 PM



#82  
4-Chlorotoluene  
Concen: 19.725 ug/l  
RT: 11.90 min Scan# 1143  
Delta R.T. -0.01 min  
Lab File: VF061336.D  
Acq: 10 Jan 2019 10:05

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





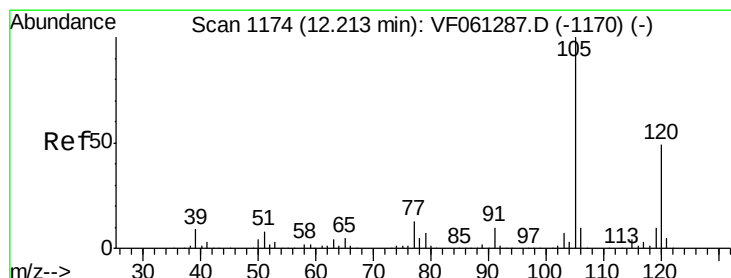
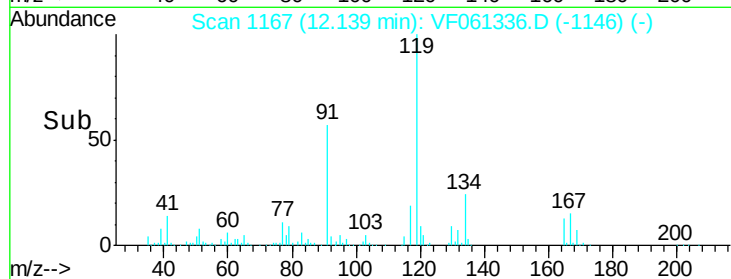
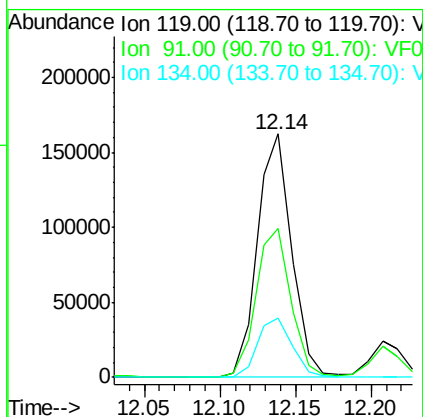
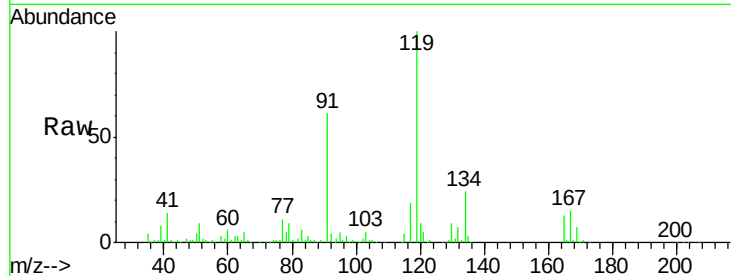
#83  
tert-Butylbenzene  
Concen: 21.193 ug/l  
RT: 12.14 min Scan# 1167  
Delta R.T. 0.00 min  
Lab File: VF061336.D  
Acq: 10 Jan 2019 10:05

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0110SBSD03

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 255975 |       |       |
| 91      | 61.1  |        | 30.8  | 92.4  |
| 134     | 24.4  |        | 11.9  | 35.9  |

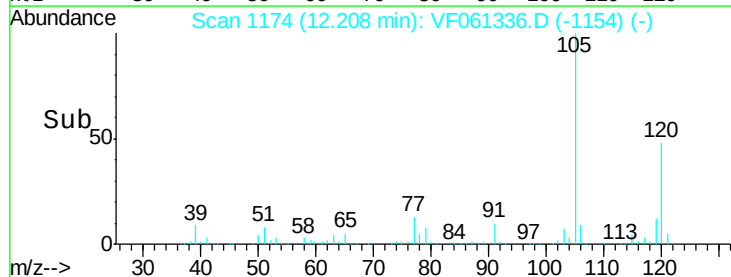
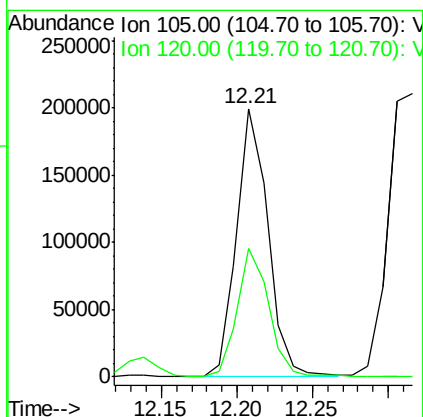
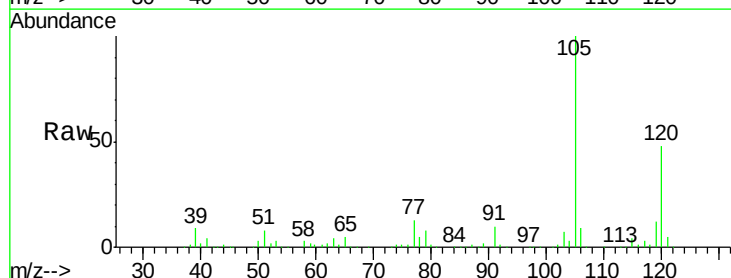
Manual Integrations  
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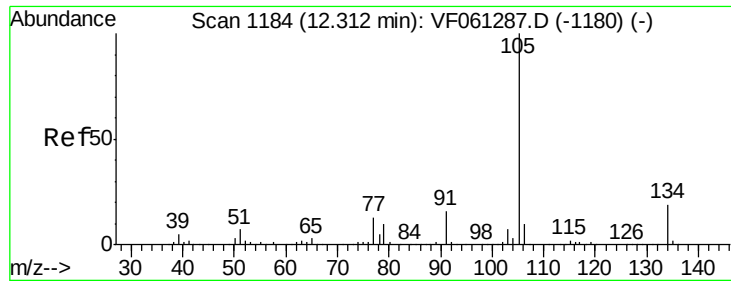
MMDadoda  
1/10/2019 3:33:33 PM



#84  
1,2,4-Trimethylbenzene  
Concen: 23.883 ug/l  
RT: 12.21 min Scan# 1174  
Delta R.T. -0.01 min  
Lab File: VF061336.D  
Acq: 10 Jan 2019 10:05

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 287463 |       |       |
| 120     | 48.1  |        | 24.7  | 74.1  |





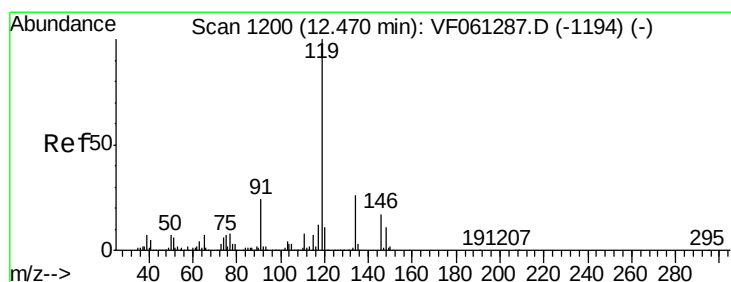
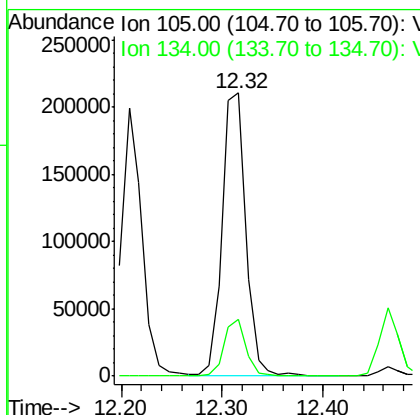
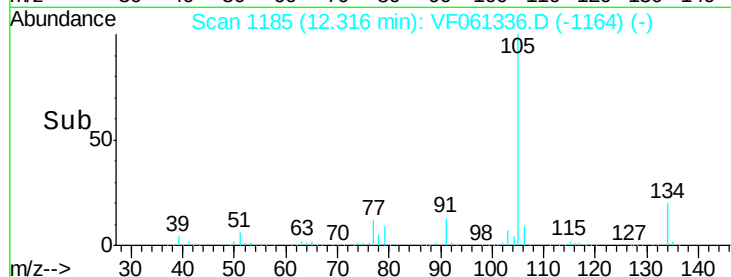
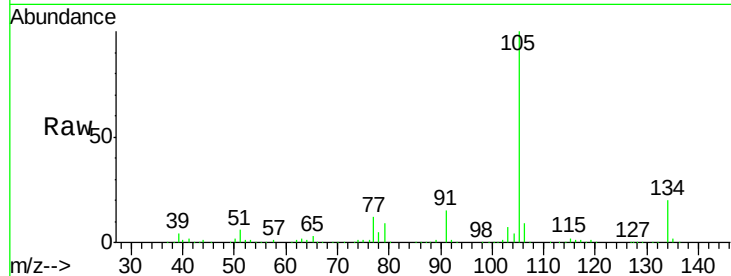
#85  
 sec-Butylbenzene  
 Concen: 20.003 ug/l  
 RT: 12.32 min Scan# 1185  
 Delta R.T. 0.00 min  
 Lab File: VF061336.D  
 Acq: 10 Jan 2019 10:05

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0110SBSD03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 19.9  | 9.7   | 28.9  |

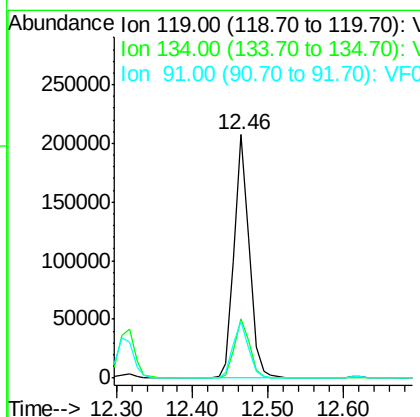
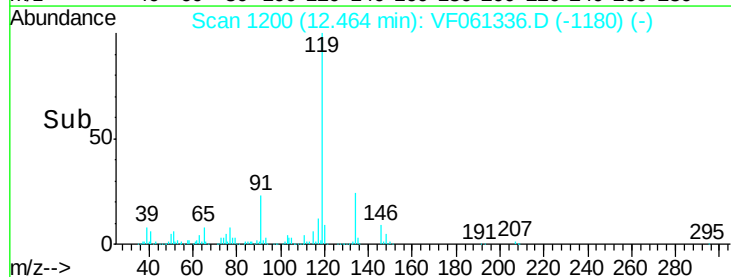
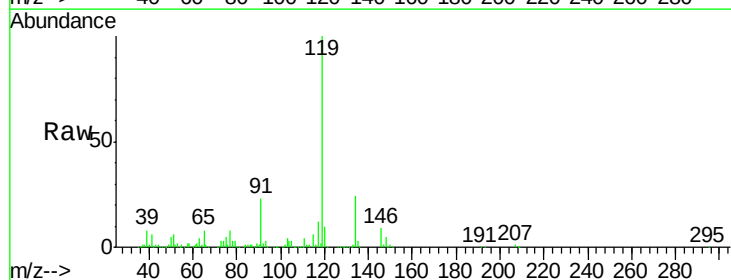
Manual Integrations  
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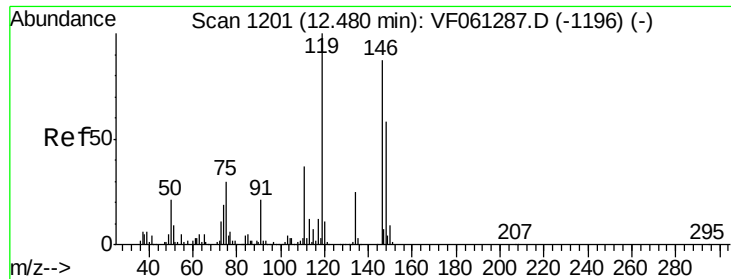


#86  
 p-Isopropyltoluene  
 Concen: 20.176 ug/l  
 RT: 12.46 min Scan# 1200  
 Delta R.T. -0.01 min  
 Lab File: VF061336.D  
 Acq: 10 Jan 2019 10:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 24.3  | 13.0  | 39.0  |
| 91      | 23.0  | 12.2  | 36.4  |







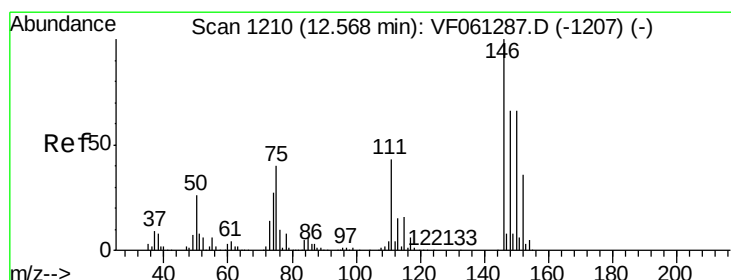
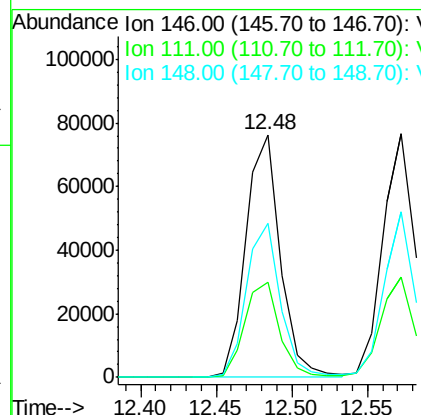
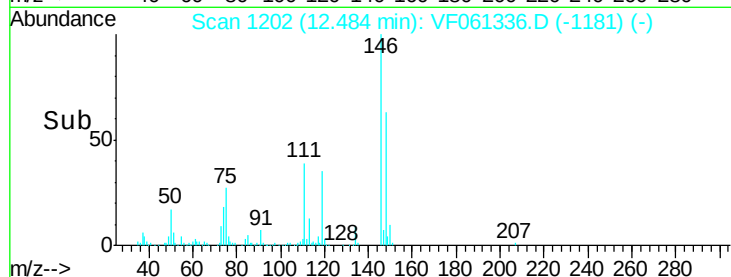
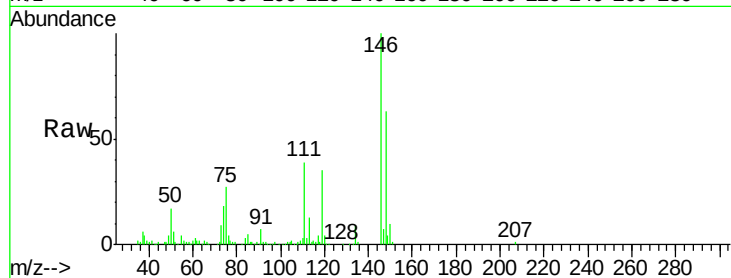
#87  
 1,3-Dichlorobenzene  
 Concen: 20.446 ug/l  
 RT: 12.48 min Scan# 1202  
 Delta R.T. 0.00 min  
 Lab File: VF061336.D  
 Acq: 10 Jan 2019 10:05

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0110SBSD03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.4  | 21.1  | 63.3  |
| 148     | 63.4  | 33.1  | 99.5  |

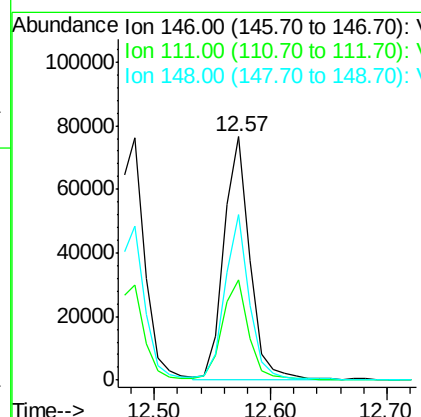
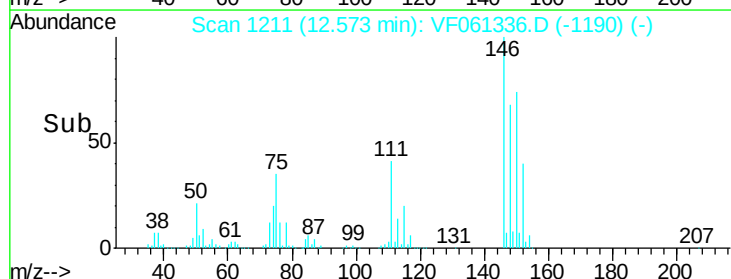
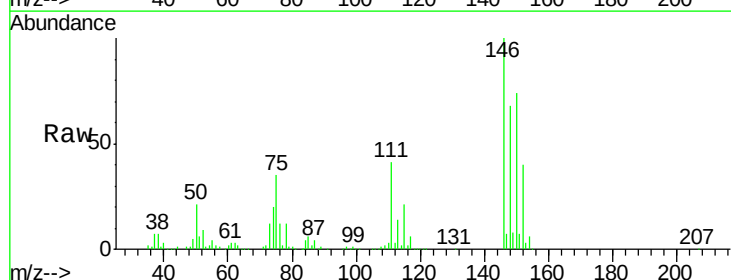
Manual Integrations  
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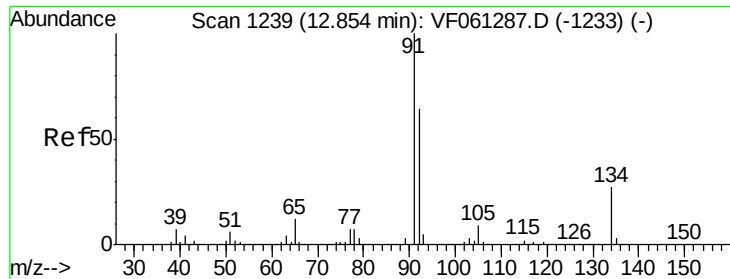
MMDadoda  
 1/10/2019 3:33:33 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 20.832 ug/l  
 RT: 12.57 min Scan# 1211  
 Delta R.T. 0.00 min  
 Lab File: VF061336.D  
 Acq: 10 Jan 2019 10:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.1  | 21.4  | 64.2  |
| 148     | 68.1  | 33.0  | 98.9  |





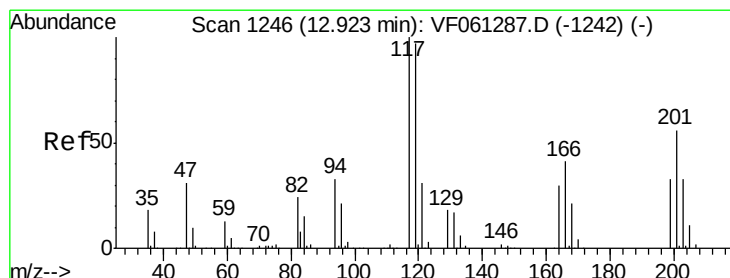
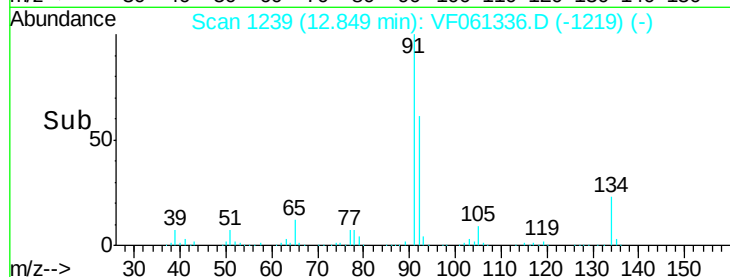
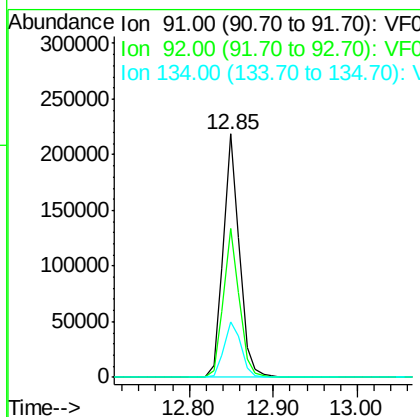
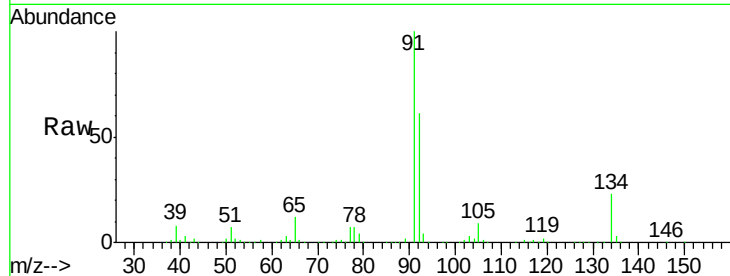
#89  
n-Butylbenzene  
Concen: 20.307 ug/l  
RT: 12.85 min Scan# 1239  
Delta R.T. -0.01 min  
Lab File: VF061336.D  
Acq: 10 Jan 2019 10:05

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0110SBSD03

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 91      | 100   | 291859 |       |       |
| 92      | 61.1  |        | 32.1  | 96.3  |
| 134     | 22.7  |        | 13.4  | 40.1  |

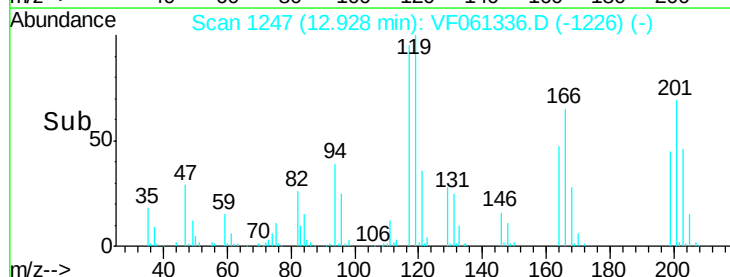
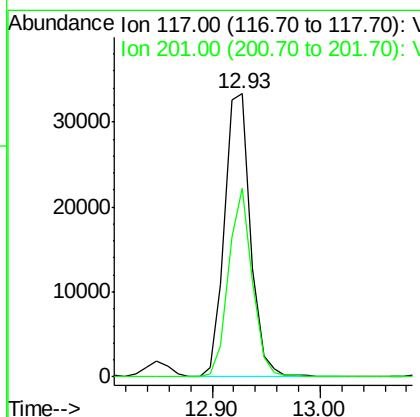
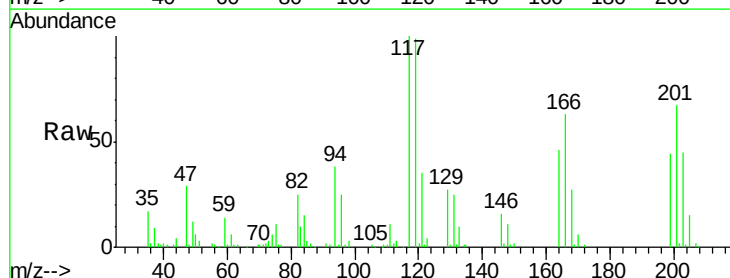
Manual Integrations  
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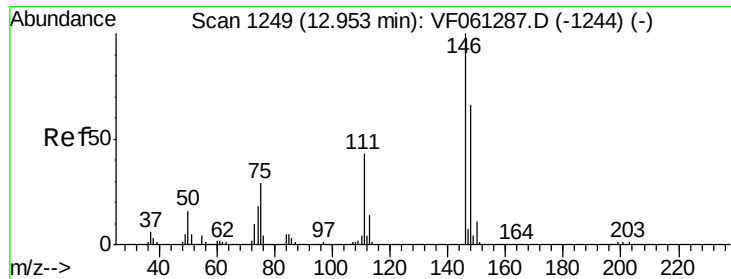
MMDadoda  
1/10/2019 3:33:33 PM



#90  
Hexachloroethane  
Concen: 17.566 ug/l  
RT: 12.93 min Scan# 1247  
Delta R.T. 0.00 min  
Lab File: VF061336.D  
Acq: 10 Jan 2019 10:05

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 117     | 100   | 56208 |       |       |
| 201     | 66.8  |       | 27.9  | 83.7  |





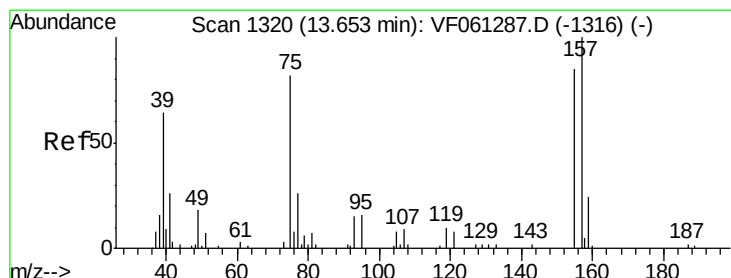
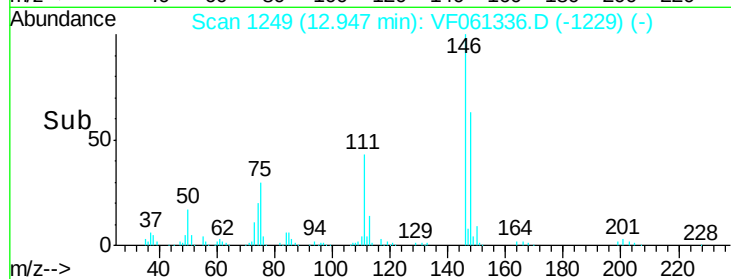
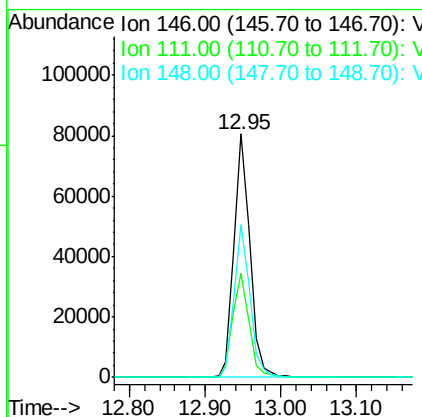
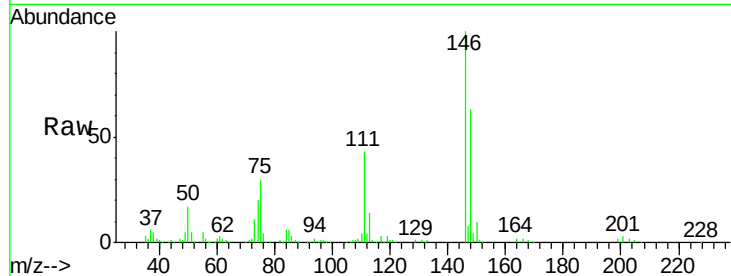
#91  
 1,2-Dichlorobenzene  
 Concen: 20.735 ug/l  
 RT: 12.95 min Scan# 1249  
 Delta R.T. -0.01 min  
 Lab File: VF061336.D  
 Acq: 10 Jan 2019 10:05

Instrument :  
 MSVOA\_F  
 ClientSampleID :  
 VF0110SBSD03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.8  | 21.4  | 64.3  |
| 148     | 63.0  | 33.1  | 99.2  |

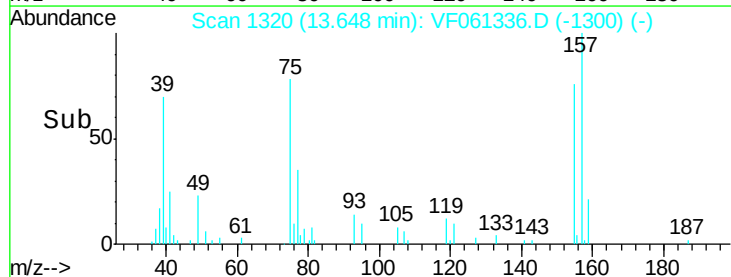
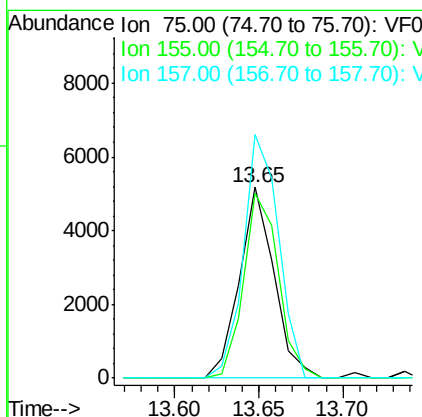
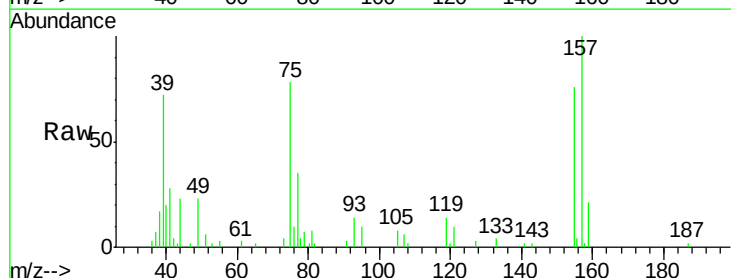
Manual Integrations  
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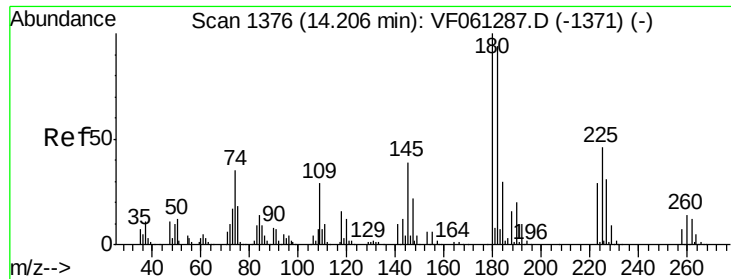
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 18.025 ug/l  
 RT: 13.65 min Scan# 1320  
 Delta R.T. -0.01 min  
 Lab File: VF061336.D  
 Acq: 10 Jan 2019 10:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 96.7  | 51.3  | 154.0 |
| 157     | 127.5 | 60.7  | 182.0 |





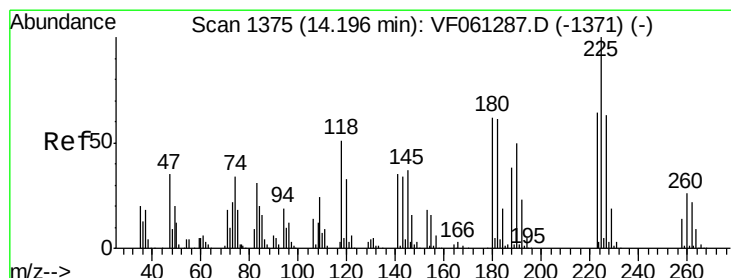
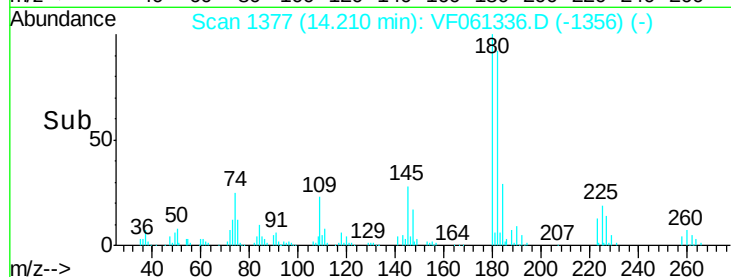
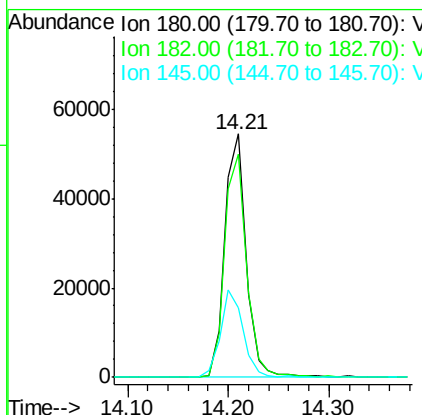
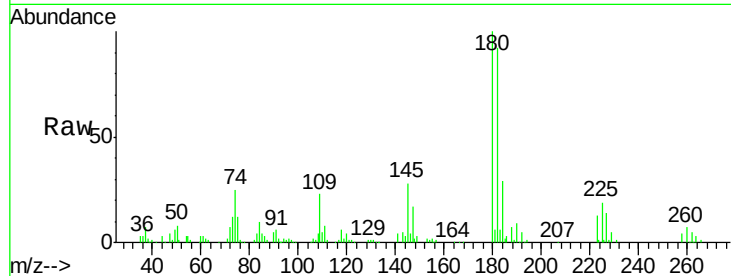
#93  
 1,2,4-Trichlorobenzene  
 Concen: 20.831 ug/l  
 RT: 14.21 min Scan# 1377  
 Delta R.T. 0.00 min  
 Lab File: VF061336.D  
 Acq: 10 Jan 2019 10:05

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0110SBSD03

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 80989 |       |       |
| 182     | 91.5  | 47.0  | 141.2 |       |
| 145     | 28.5  | 19.7  | 59.1  |       |

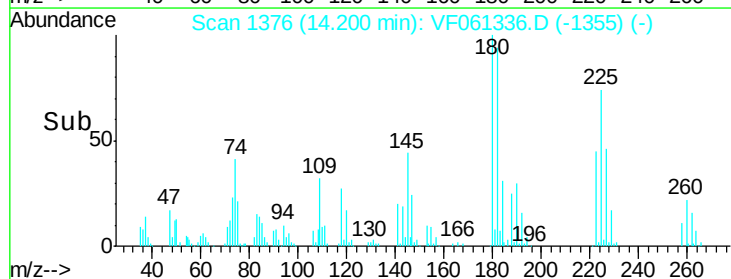
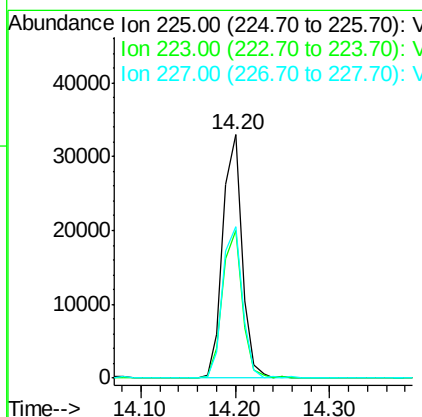
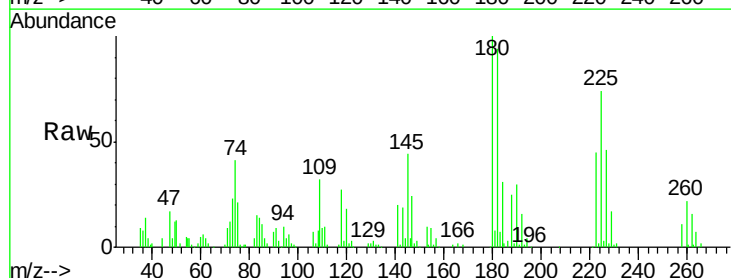
Manual Integrations  
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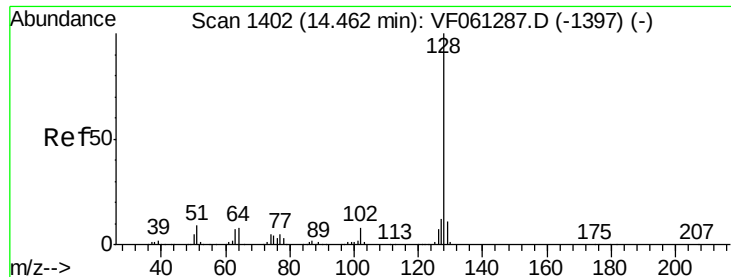
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 1/10/2019 3:33:33 PM



#94  
 Hexachlorobutadiene  
 Concen: 18.694 ug/l  
 RT: 14.20 min Scan# 1376  
 Delta R.T. 0.00 min  
 Lab File: VF061336.D  
 Acq: 10 Jan 2019 10:05

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 46790 |       |       |
| 223     | 60.9  | 31.8  | 95.4  |       |
| 227     | 62.4  | 31.3  | 93.9  |       |





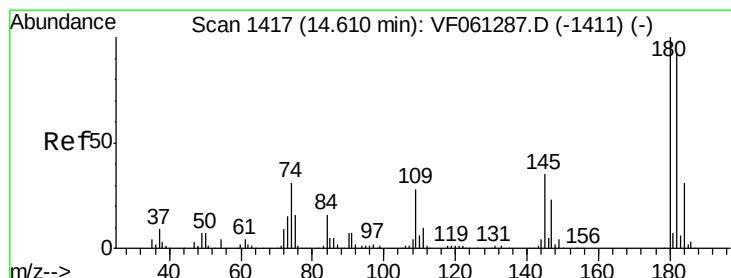
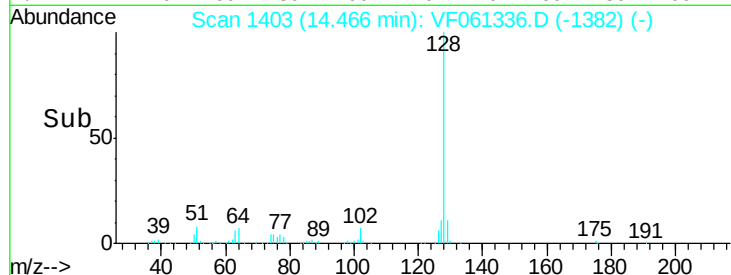
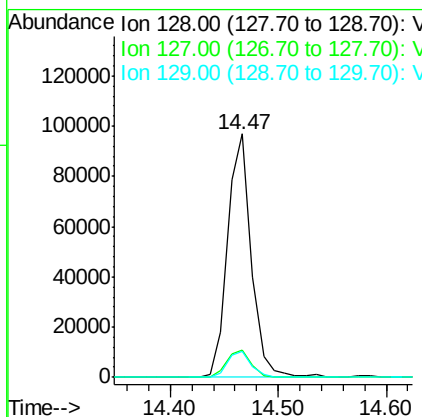
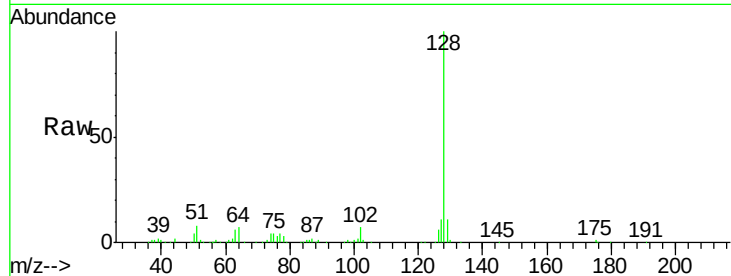
#95  
Naphthalene  
Concen: 20.205 ug/l  
RT: 14.47 min Scan# 1403  
Delta R.T. 0.00 min  
Lab File: VF061336.D  
Acq: 10 Jan 2019 10:05

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0110SBSD03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 11.0  | 9.4   | 14.0  |
| 129     | 10.7  | 8.8   | 13.2  |

Manual Integrations  
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#96  
1,2,3-Trichlorobenzene  
Concen: 19.115 ug/l  
RT: 14.60 min Scan# 1417  
Delta R.T. -0.01 min  
Lab File: VF061336.D  
Acq: 10 Jan 2019 10:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 99.9  | 46.5  | 139.3 |
| 145     | 34.7  | 17.5  | 52.6  |

