

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030519\  
 Data File : VF061859.D  
 Acq On : 5 Mar 2019 22:22  
 Operator : VA/AP  
 Sample : VSTDCCC050  
 Misc : 5.00µ/5mL/MSVOA-F/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 3/8/2019 12:12:27 AM

Quant Time: Mar 06 06:30:45 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F030419S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 05 04:50:44 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.87  | 168  | 300195   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.59  | 114  | 459610   | 50.00 | ug/l  | -0.02    |
| 63) Chlorobenzene-d5       | 9.77  | 117  | 396607   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.55 | 152  | 213867   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 4.84   | 65  | 116072   | 53.09 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.18% |      |
| 35) Dibromofluoromethane  | 4.11   | 113 | 163856   | 51.09 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.18% |      |
| 50) Toluene-d8            | 7.55   | 98  | 496960   | 52.13 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.26% |      |
| 62) 4-Bromofluorobenzene  | 11.41  | 95  | 186908   | 50.05 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.10% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 0.97 | 85  | 178283  | 48.374  | ug/l | 92     |
| 3) Chloromethane              | 1.10 | 50  | 171754  | 48.086  | ug/l | 96     |
| 4) Vinyl Chloride             | 1.14 | 62  | 171224  | 50.498  | ug/l | 98     |
| 5) Bromomethane               | 1.33 | 94  | 130128  | 56.314  | ug/l | 92     |
| 6) Chloroethane               | 1.39 | 64  | 86684   | 53.783  | ug/l | 92     |
| 7) Trichlorofluoromethane     | 1.49 | 101 | 224168  | 54.132  | ug/l | 99     |
| 8) Diethyl Ether              | 1.63 | 74  | 51264   | 54.437  | ug/l | 96     |
| 9) 1,1,2-Trichlorotrifluoroet | 1.83 | 101 | 146509  | 52.098  | ug/l | 95     |
| 10) Methyl Iodide             | 1.90 | 142 | 288036m | 53.823  | ug/l |        |
| 11) Tert butyl alcohol        | 2.58 | 59  | 31772   | 256.052 | ug/l | 95     |
| 12) 1,1-Dichloroethene        | 1.79 | 96  | 135106  | 52.624  | ug/l | 86     |
| 13) Acrolein                  | 2.00 | 56  | 41487   | 263.864 | ug/l | 99     |
| 14) Allyl chloride            | 2.09 | 41  | 166873  | 58.999  | ug/l | 96     |
| 15) Acrylonitrile             | 2.95 | 53  | 101638  | 257.235 | ug/l | 99     |
| 16) Acetone                   | 2.24 | 43  | 101244  | 221.087 | ug/l | 99     |
| 17) Carbon Disulfide          | 1.82 | 76  | 418709m | 52.393  | ug/l |        |
| 18) Methyl Acetate            | 2.35 | 43  | 58621m  | 64.679  | ug/l |        |
| 19) Methyl tert-butyl Ether   | 2.43 | 73  | 230974  | 53.181  | ug/l | 97     |
| 20) Methylene Chloride        | 2.18 | 84  | 134864m | 53.375  | ug/l |        |
| 21) trans-1,2-Dichloroethene  | 2.31 | 96  | 144901  | 59.967  | ug/l | 92     |
| 22) Diisopropyl ether         | 2.80 | 45  | 390134  | 53.026  | ug/l | 97     |
| 23) Vinyl Acetate             | 3.19 | 43  | 852270  | 259.300 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 2.87 | 63  | 236338  | 53.742  | ug/l | 99     |
| 25) 2-Butanone                | 4.33 | 43  | 230764  | 247.738 | ug/l | 92     |
| 26) 2,2-Dichloropropane       | 3.60 | 77  | 98602   | 50.227  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 3.47 | 96  | 179094  | 53.498  | ug/l | 98     |
| 28) Bromochloromethane        | 3.72 | 49  | 96296   | 50.234  | ug/l | 93     |
| 29) Tetrahydrofuran           | 4.07 | 42  | 97272   | 242.138 | ug/l | 98     |
| 30) Chloroform                | 3.86 | 83  | 257834  | 51.330  | ug/l | 94     |
| 31) Cyclohexane               | 3.69 | 56  | 232126  | 50.396  | ug/l | 99     |
| 32) 1,1,1-Trichloroethane     | 4.09 | 97  | 188280  | 60.811  | ug/l | 97     |
| 36) 1,1-Dichloropropene       | 4.28 | 75  | 224701  | 51.756  | ug/l | 97     |
| 37) Ethyl Acetate             | 4.11 | 43  | 86504   | 47.470  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 3.98 | 117 | 164822  | 53.629  | ug/l | 99     |

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 VSTDCCC050EC

Manual Integrations  
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MMDadoda  
 3/8/2019 12:12:27 AM

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 Quant Title : SW846 8260  
 QLast Update : Tue Mar 05 04:50:44 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 5.45  | 83   | 257873   | 50.287  | ug/l   | 98       |
| 40) Benzene                    | 4.63  | 78   | 589454   | 51.942  | ug/l   | 97       |
| 41) Methacrylonitrile          | 4.74  | 41   | 48758    | 48.836  | ug/l   | 96       |
| 42) 1,2-Dichloroethane         | 4.94  | 62   | 147056   | 51.998  | ug/l   | 94       |
| 43) Isopropyl Acetate          | 6.96  | 43   | 109701   | 48.837  | ug/l # | 98       |
| 44) Trichloroethene            | 5.50  | 130  | 183606   | 52.062  | ug/l   | 94       |
| 45) 1,2-Dichloropropane        | 6.23  | 63   | 140724   | 52.148  | ug/l   | 95       |
| 46) Dibromomethane             | 6.08  | 93   | 89364    | 52.618  | ug/l   | 96       |
| 47) Bromodichloromethane       | 6.38  | 83   | 198562   | 52.920  | ug/l   | 95       |
| 48) Methyl methacrylate        | 6.72  | 41   | 66534    | 46.802  | ug/l # | 89       |
| 49) 1,4-Dioxane                | 6.71  | 88   | 11814    | 909.077 | ug/l # | 93       |
| 51) 4-Methyl-2-Pentanone       | 8.25  | 43   | 381252   | 245.576 | ug/l   | 98       |
| 52) Toluene                    | 7.62  | 92   | 335133   | 49.920  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 8.27  | 75   | 160123   | 51.700  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene    | 7.30  | 75   | 215428   | 50.428  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 8.49  | 97   | 101163   | 52.300  | ug/l   | 96       |
| 56) Ethyl methacrylate         | 8.62  | 69   | 105697   | 48.486  | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 8.86  | 76   | 165565   | 52.339  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 7.30  | 63   | 89467    | 259.441 | ug/l   | 99       |
| 59) 2-Hexanone                 | 9.49  | 43   | 247887   | 221.331 | ug/l   | 99       |
| 60) Dibromochloromethane       | 8.72  | 129  | 148777   | 53.966  | ug/l   | 95       |
| 61) 1,2-Dibromoethane          | 8.98  | 107  | 113204   | 53.220  | ug/l   | 100      |
| 64) Tetrachloroethene          | 8.16  | 164  | 169444   | 55.601  | ug/l   | 99       |
| 65) Chlorobenzene              | 9.79  | 112  | 396839   | 52.081  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 9.93  | 131  | 153755   | 52.081  | ug/l   | 99       |
| 67) Ethyl Benzene              | 9.90  | 91   | 682618   | 54.050  | ug/l   | 100      |
| 68) m/p-Xylenes                | 10.13 | 106  | 489920   | 101.262 | ug/l   | 96       |
| 69) o-Xylene                   | 10.71 | 106  | 270499   | 51.922  | ug/l   | 99       |
| 70) Styrene                    | 10.79 | 104  | 363247   | 49.544  | ug/l   | 99       |
| 71) Bromoform                  | 10.77 | 173  | 77987    | 49.982  | ug/l   | 98       |
| 73) Isopropylbenzene           | 11.12 | 105  | 782551   | 53.150  | ug/l   | 100      |
| 74) N-amyl acetate             | 11.37 | 43   | 168657   | 49.757  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.70 | 83   | 120970   | 49.434  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 11.79 | 75   | 86337    | 51.694  | ug/l   | 98       |
| 77) Bromobenzene               | 11.49 | 156  | 184036   | 51.937  | ug/l   | 96       |
| 78) n-propylbenzene            | 11.59 | 91   | 840389   | 50.543  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 11.72 | 91   | 477184   | 50.198  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 11.82 | 105  | 591411   | 50.030  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 11.86 | 75   | 35321m   | 46.249  | ug/l   |          |
| 82) 4-Chlorotoluene            | 11.89 | 91   | 485486   | 49.931  | ug/l   | 98       |
| 83) tert-Butylbenzene          | 12.13 | 119  | 660614   | 52.629  | ug/l   | 92       |
| 84) 1,2,4-Trimethylbenzene     | 12.20 | 105  | 602036   | 51.952  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 12.31 | 105  | 861845   | 52.762  | ug/l   | 94       |
| 86) p-Isopropyltoluene         | 12.45 | 119  | 716502   | 51.603  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 12.47 | 146  | 336525   | 50.016  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 12.56 | 146  | 347699   | 53.571  | ug/l   | 99       |
| 89) n-Butylbenzene             | 12.84 | 91   | 672746   | 50.699  | ug/l   | 99       |
| 90) Hexachloroethane           | 12.92 | 117  | 175291   | 52.450  | ug/l   | 74       |
| 91) 1,2-Dichlorobenzene        | 12.94 | 146  | 321861   | 50.490  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.64 | 75   | 20701    | 48.812  | ug/l   | 82       |

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Misc : 5.00µ/5mL/MSVOA-F/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

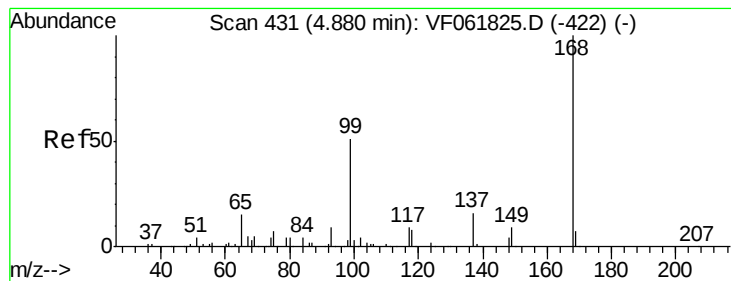
MMDadoda  
3/8/2019 12:12:27 AM

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QLast Update : Tue Mar 05 04:50:44 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.20 | 180  | 225841   | 50.534 | µg/l  | 99       |
| 94) Hexachlorobutadiene    | 14.19 | 225  | 154591   | 49.967 | µg/l  | 98       |
| 95) Naphthalene            | 14.46 | 128  | 417599   | 52.463 | µg/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.60 | 180  | 209362   | 50.737 | µg/l  | 92       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 300195

Ion Ratio Lower Upper

168 100

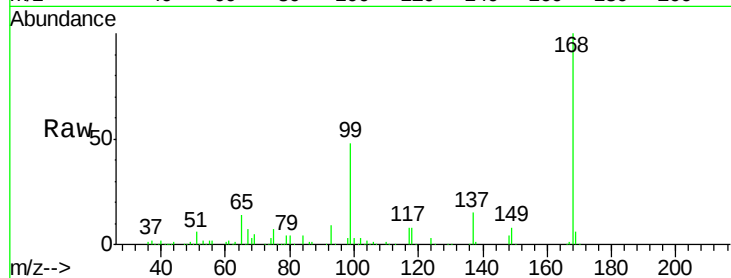
99 48.4 40.8 61.2

Manual Integrations

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3/8/2019 12:12:27 AM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

100000

80000

60000

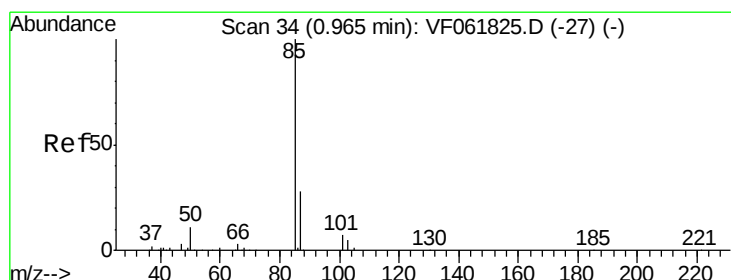
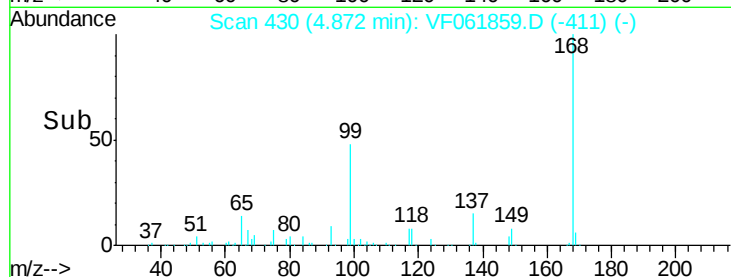
40000

20000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 48.374 ug/l

RT: 0.97 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF061859.D

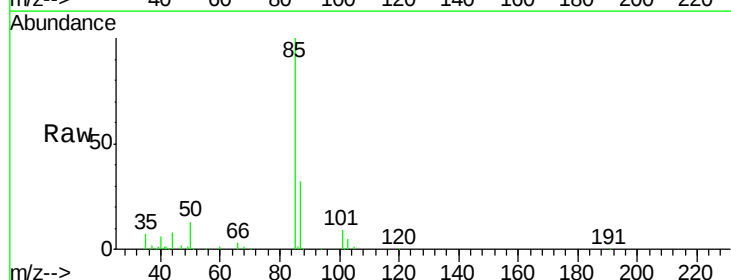
Acq: 5 Mar 2019 22:22

Tgt Ion: 85 Resp: 178283

Ion Ratio Lower Upper

85 100

87 32.3 14.1 42.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

50000

40000

30000

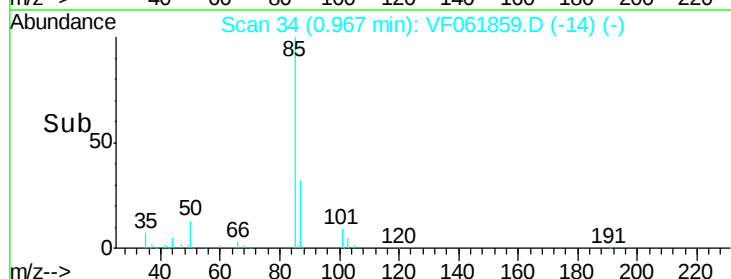
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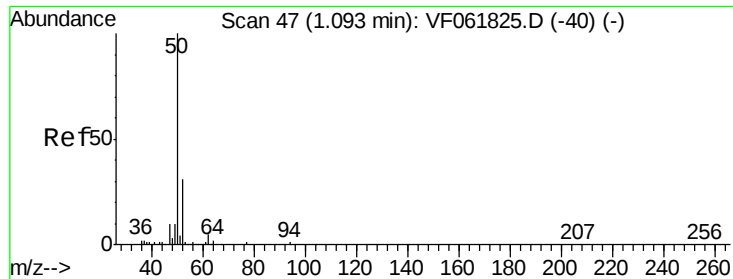
10000

0

0.80 0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 48.086 ug/l

RT: 1.10 min Scan# 47

Delta R.T. 0.00 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 171754

Ion Ratio Lower Upper

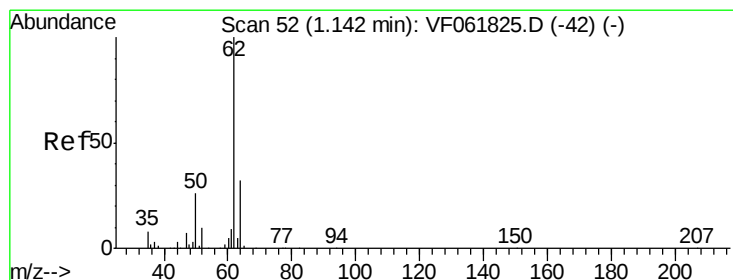
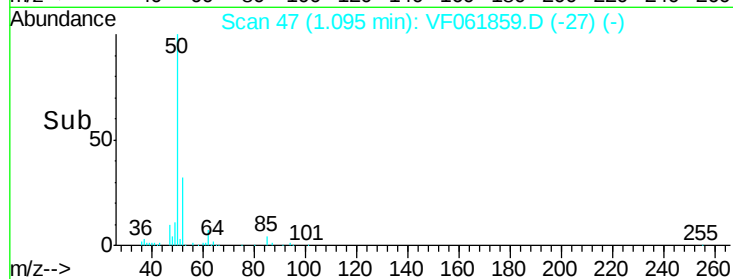
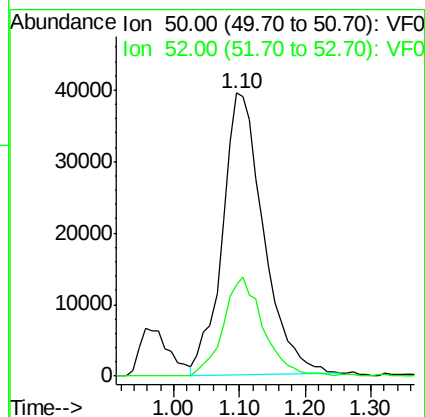
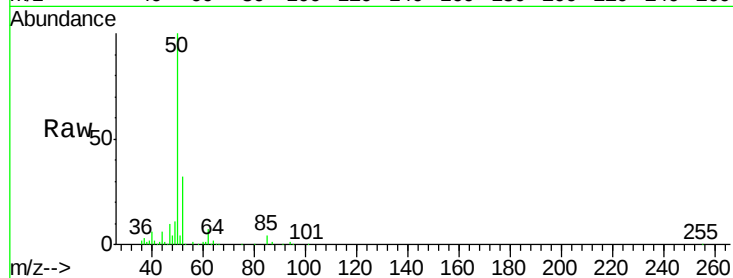
50 100

52 32.1 23.8 35.8

Manual Integrations  
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3/8/2019 12:12:27 AM



#4

Vinyl Chloride

Concen: 50.498 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.00 min

Lab File: VF061859.D

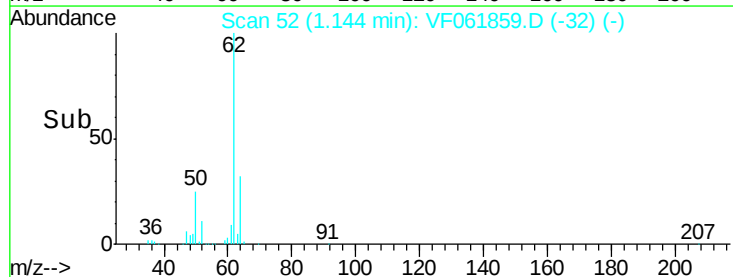
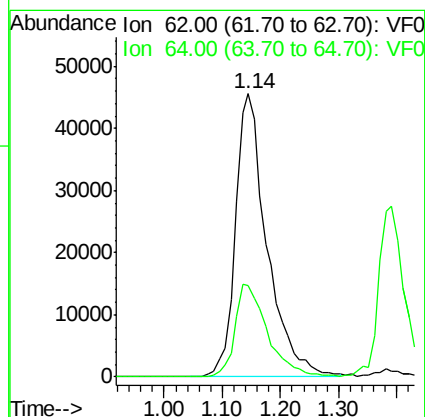
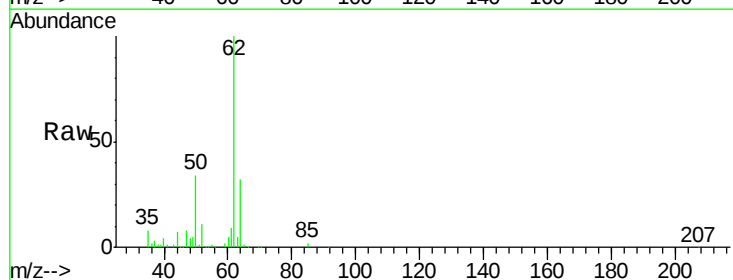
Acq: 5 Mar 2019 22:22

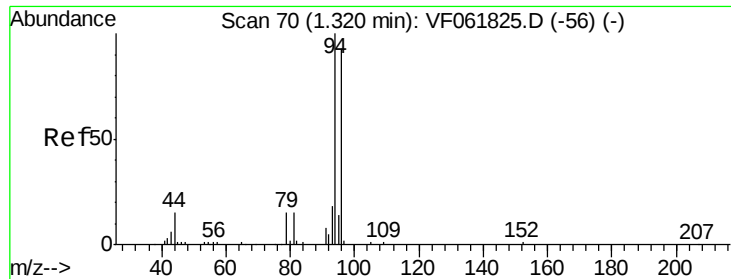
Tgt Ion: 62 Resp: 171224

Ion Ratio Lower Upper

62 100

64 32.4 25.2 37.8





#5

Bromomethane

Concen: 56.314 ug/l

RT: 1.33 min Scan# 71

Delta R.T. 0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 130128

Ion Ratio Lower Upper

94 100

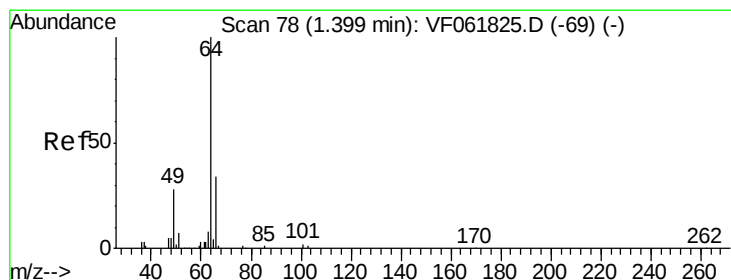
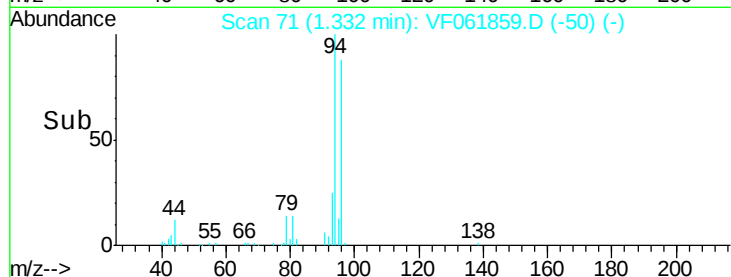
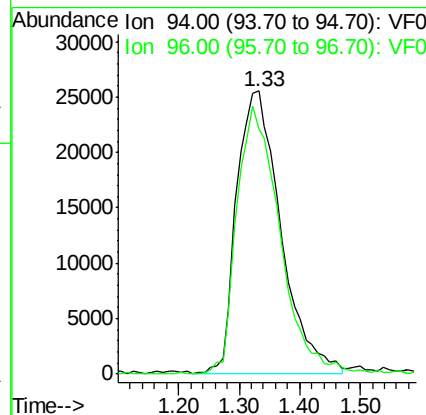
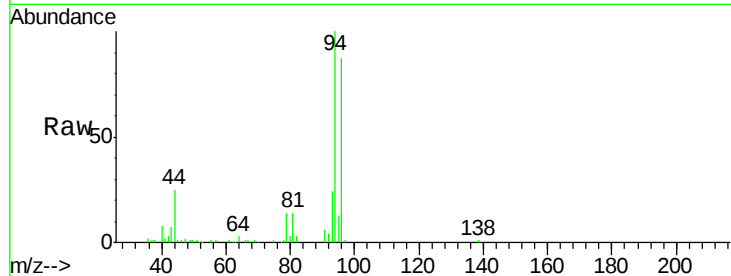
96 86.6 75.2 112.8

Manual Integrations

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3/8/2019 12:12:27 AM



#6

Chloroethane

Concen: 53.783 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.01 min

Lab File: VF061859.D

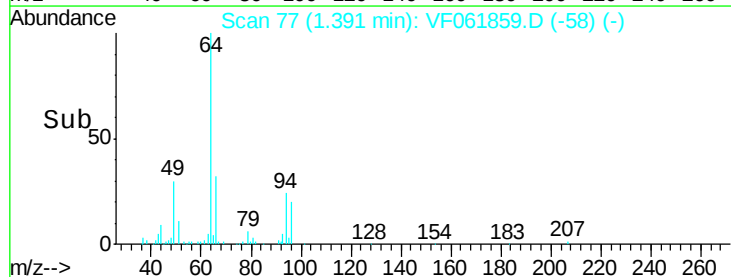
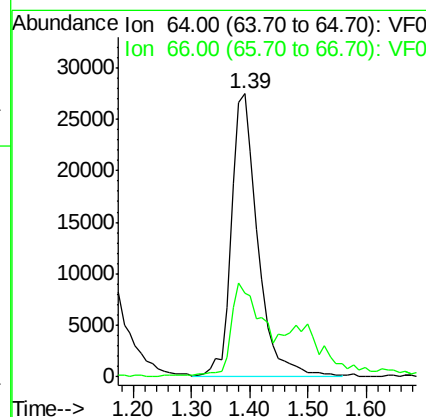
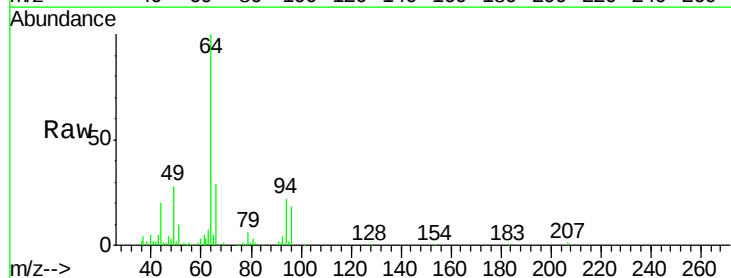
Acq: 5 Mar 2019 22:22

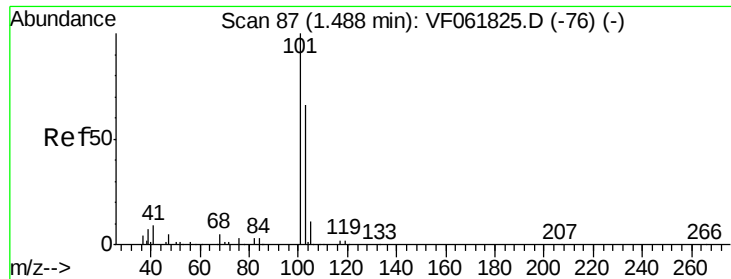
Tgt Ion: 64 Resp: 86684

Ion Ratio Lower Upper

64 100

66 29.4 27.0 40.4





#7

Trichlorofluoromethane

Concen: 54.132 ug/l

RT: 1.49 min Scan# 87

Delta R.T. 0.00 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:101 Resp: 224168

Ion Ratio Lower Upper

101 100

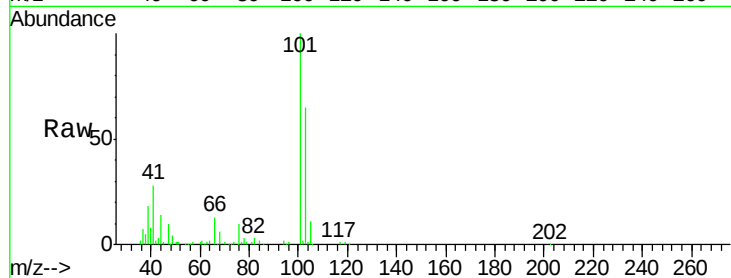
103 64.9 52.8 79.2

Manual Integrations

APPROVED

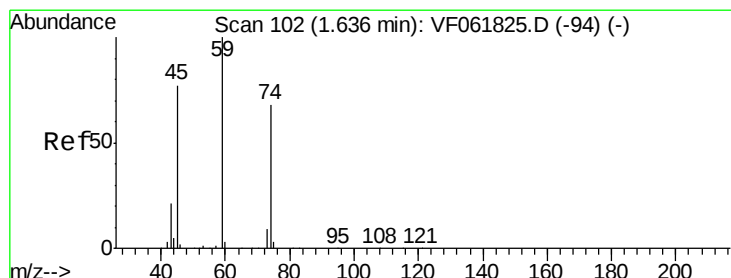
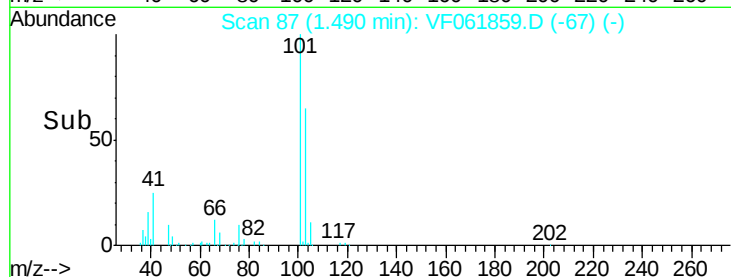
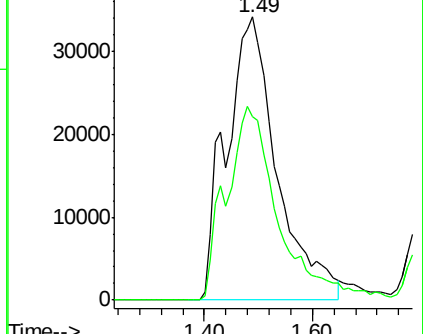
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 54.437 ug/l

RT: 1.63 min Scan# 101

Delta R.T. -0.01 min

Lab File: VF061859.D

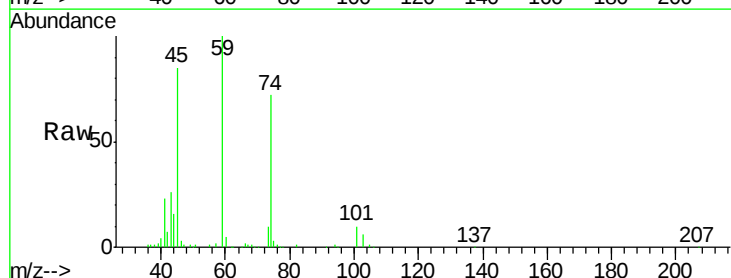
Acq: 5 Mar 2019 22:22

Tgt Ion: 74 Resp: 51264

Ion Ratio Lower Upper

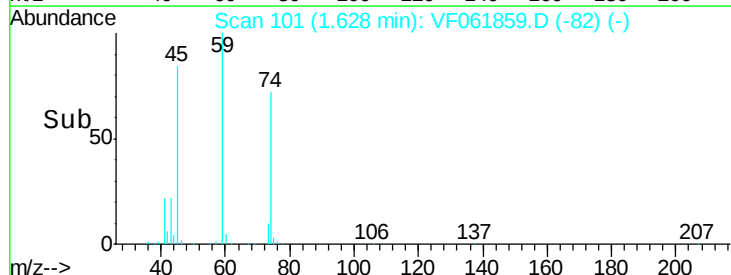
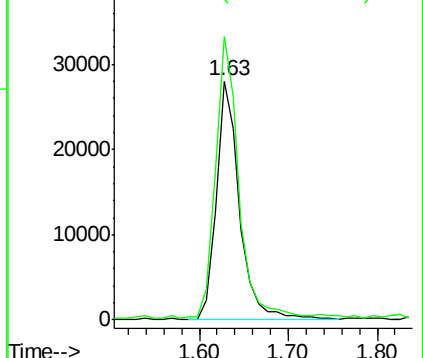
74 100

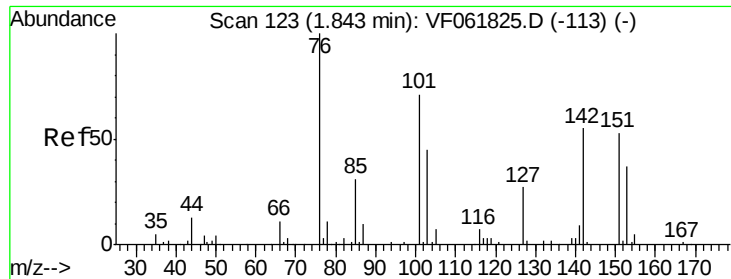
45 118.5 57.2 171.6



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





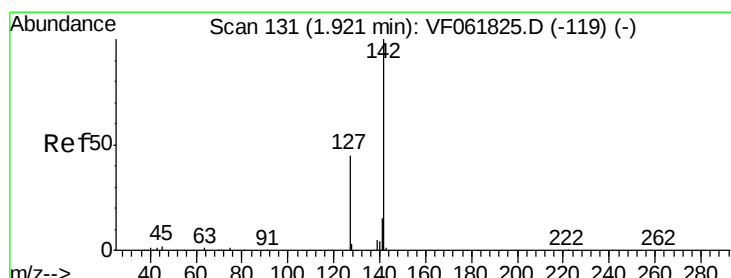
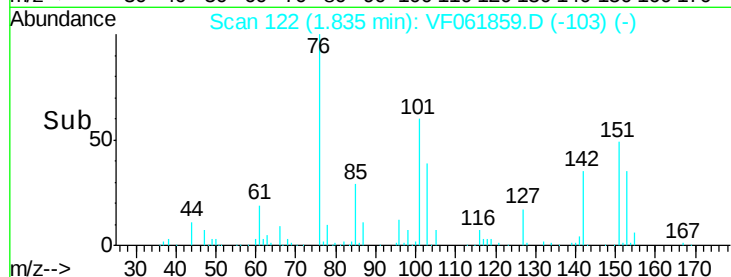
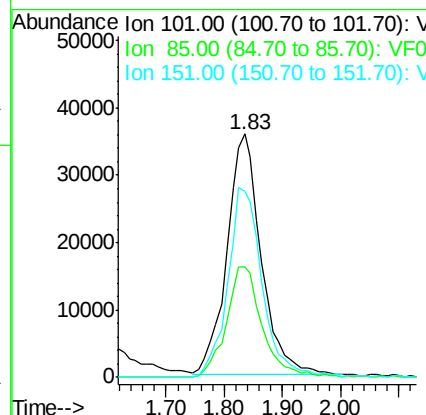
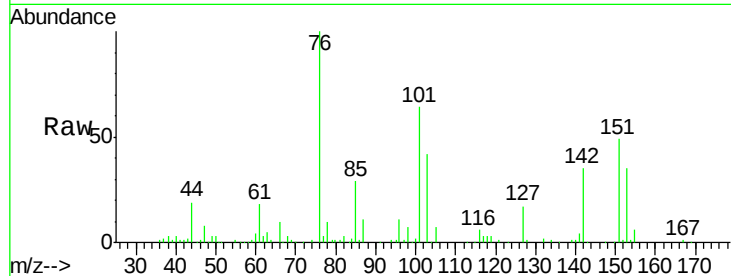
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 52.098 ug/l  
RT: 1.83 min Scan# 122  
Delta R.T. -0.01 min  
Lab File: VF061859.D  
Acq: 5 Mar 2019 22:22

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 101     | 100   | 146509 |       |       |
| 85      | 45.6  | 34.0   | 51.0  |       |
| 151     | 76.3  | 57.3   | 85.9  |       |

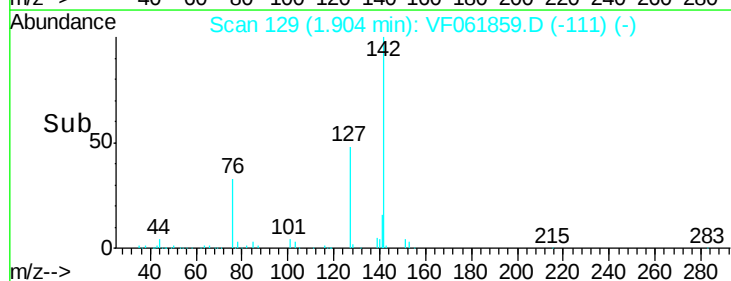
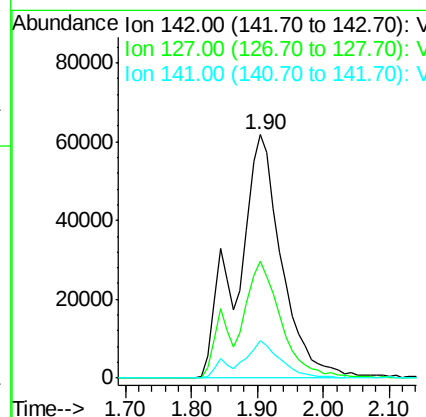
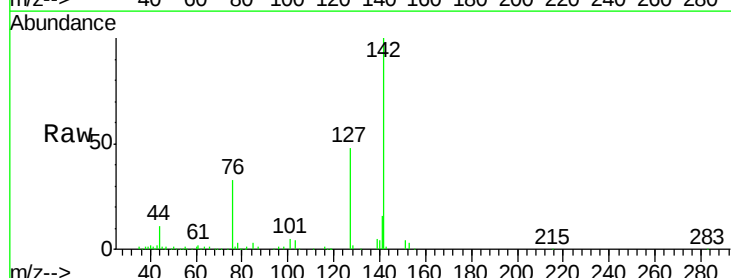
Manual Integrations  
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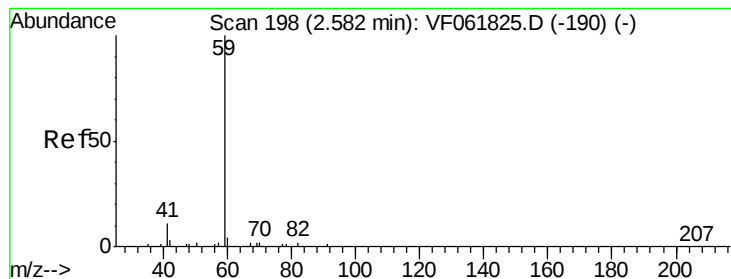
MMDadoda  
3/8/2019 12:12:27 AM



#10  
Methyl Iodide  
Concen: 53.823 ug/l m  
RT: 1.90 min Scan# 129  
Delta R.T. -0.02 min  
Lab File: VF061859.D  
Acq: 5 Mar 2019 22:22

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 142     | 100   | 288036 |       |       |
| 127     | 47.8  | 35.8   | 53.6  |       |
| 141     | 15.6  | 11.7   | 17.5  |       |





#11

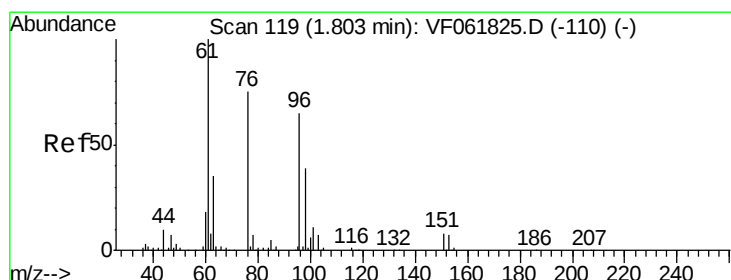
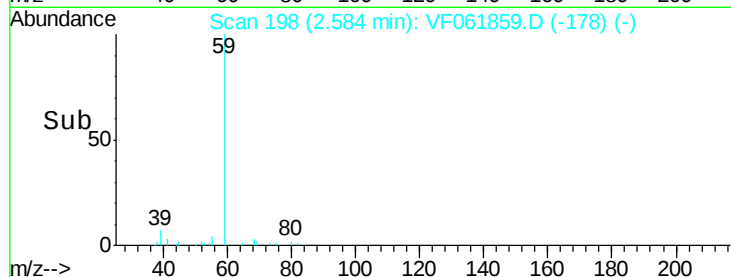
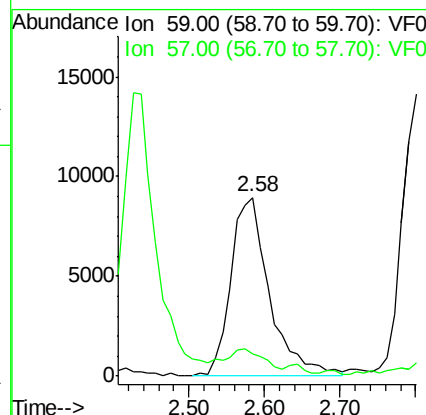
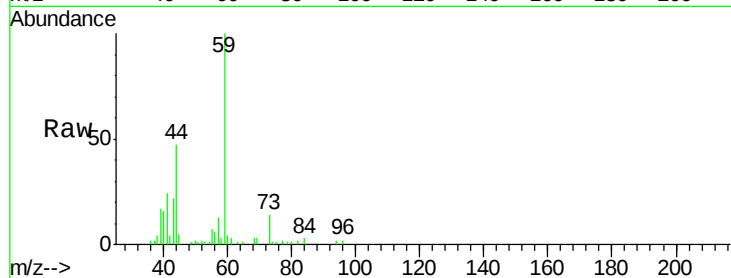
Tert butyl alcohol  
Concen: 256.052 ug/l  
RT: 2.58 min Scan# 198  
Delta R.T. 0.00 min  
Lab File: VF061859.D  
Acq: 5 Mar 2019 22:22

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion   | 59   | Resp  | 31772 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 59        | 100  |       |       |
| 57        | 12.7 | 11.8  | 17.6  |

Manual Integrations  
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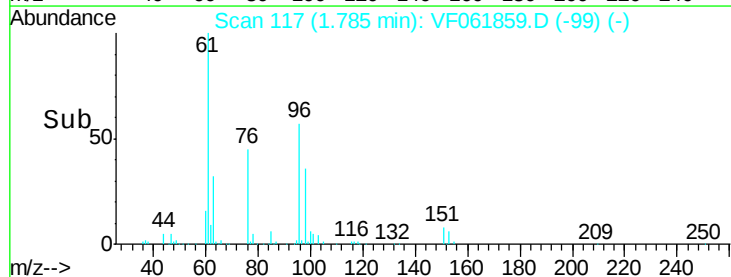
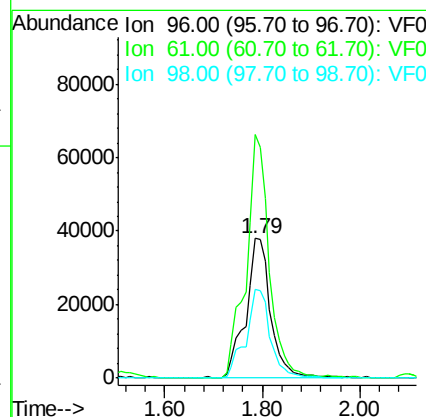
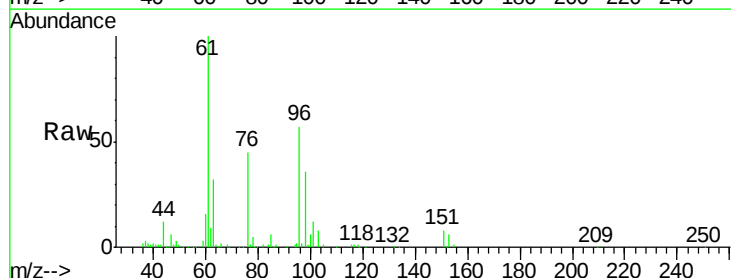
MMDadoda  
3/8/2019 12:12:27 AM

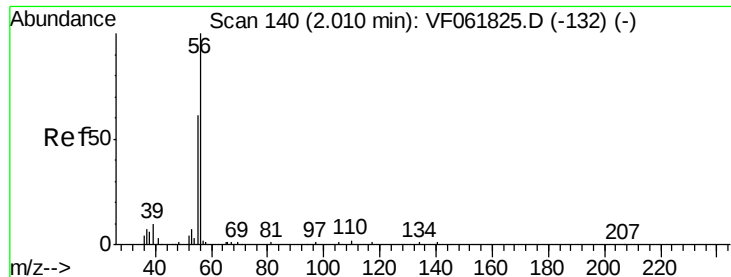


#12

1,1-Dichloroethene  
Concen: 52.624 ug/l  
RT: 1.79 min Scan# 117  
Delta R.T. -0.02 min  
Lab File: VF061859.D  
Acq: 5 Mar 2019 22:22

| Tgt Ion   | 96    | Resp  | 135106 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 96        | 100   |       |        |
| 61        | 174.6 | 122.5 | 183.7  |
| 98        | 63.5  | 47.1  | 70.7   |





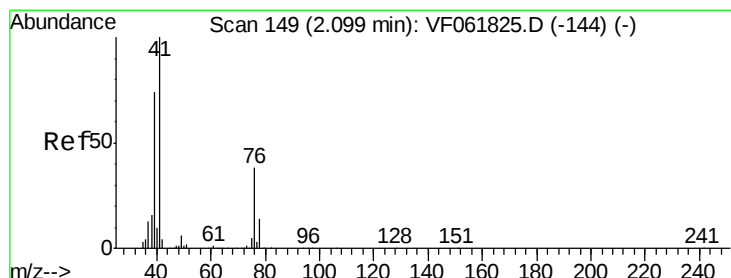
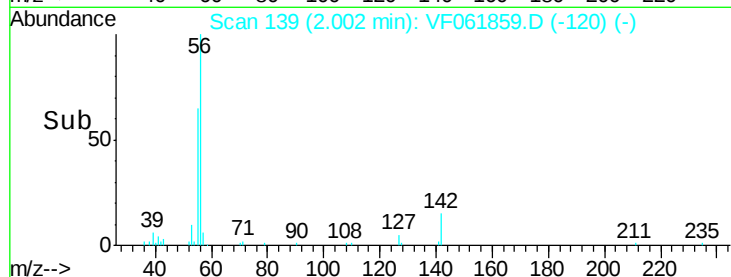
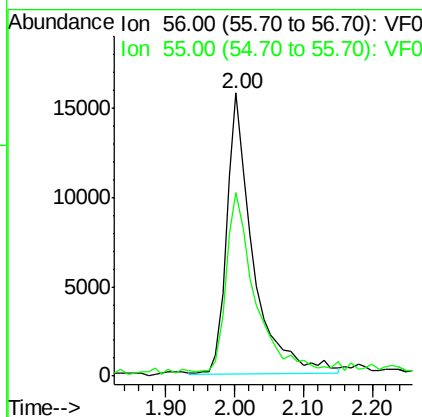
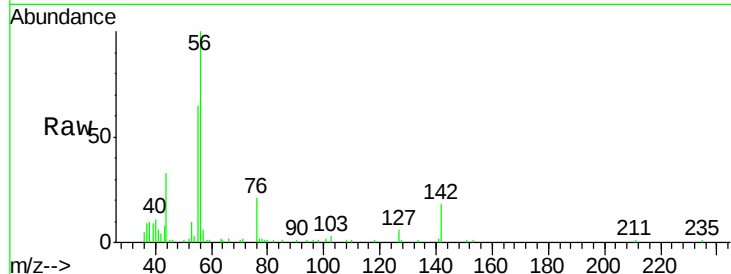
#13  
Acrolein  
Concen: 263.864 ug/l  
RT: 2.00 min Scan# 139  
Delta R.T. -0.01 min  
Lab File: VF061859.D  
Acq: 5 Mar 2019 22:22

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion   | 56   | Resp  | 41487 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 55        | 64.8 | 51.3  | 76.9  |

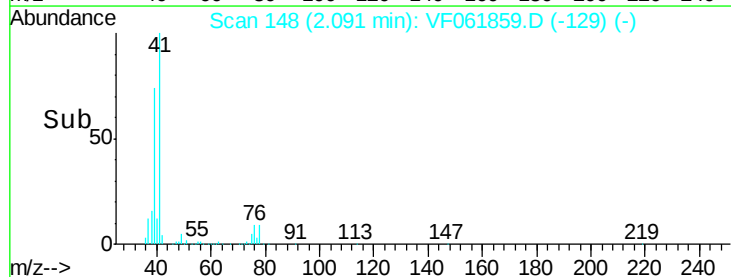
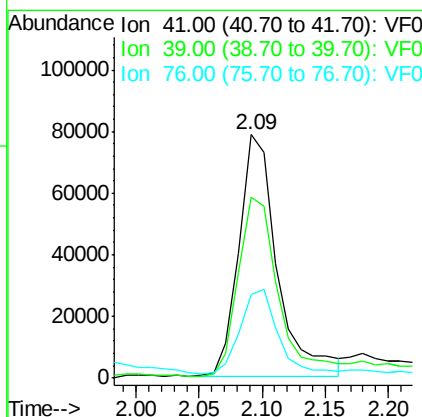
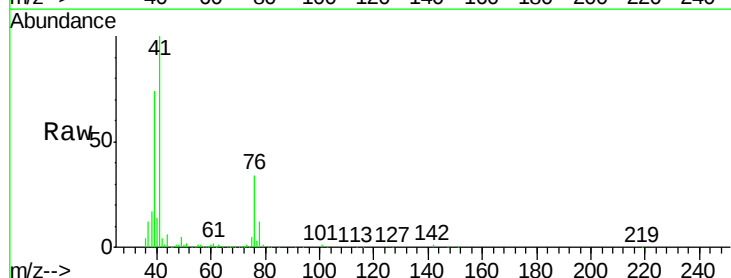
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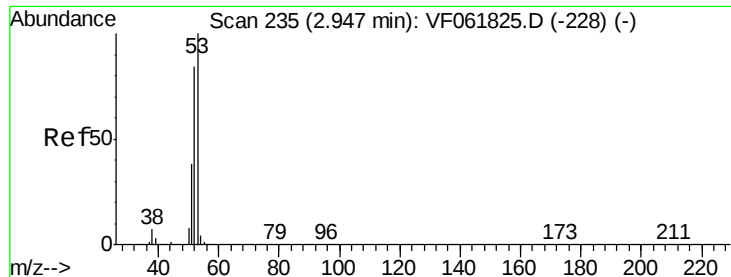
MMDadoda  
3/8/2019 12:12:27 AM



#14  
Allyl chloride  
Concen: 58.999 ug/l  
RT: 2.09 min Scan# 148  
Delta R.T. -0.01 min  
Lab File: VF061859.D  
Acq: 5 Mar 2019 22:22

| Tgt Ion   | 41   | Resp  | 166873 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 39        | 74.2 | 59.6  | 89.4   |
| 76        | 34.4 | 32.3  | 48.5   |





#15

Acrylonitrile

Concen: 257.235 ug/l

RT: 2.95 min Scan# 235

Delta R.T. 0.00 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Instrument :

MSVOA\_F

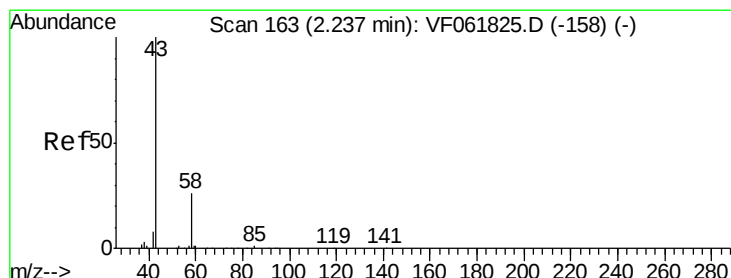
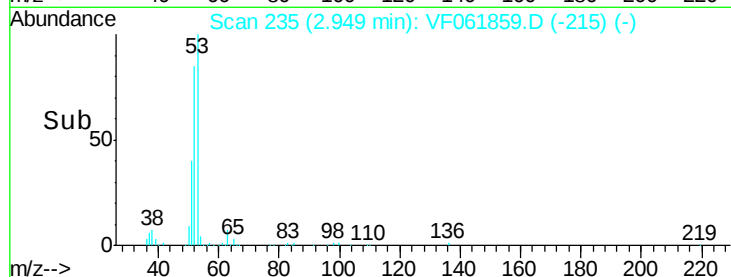
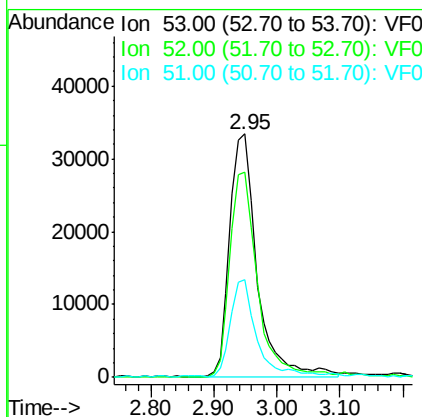
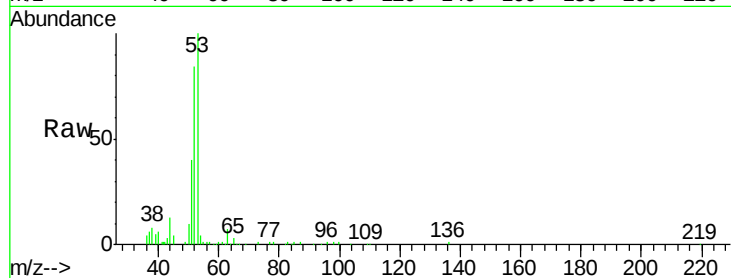
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 101638 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 84.4  | 67.4  | 101.0  |
| 51       | 39.9  | 30.7  | 46.1   |

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#16

Acetone

Concen: 221.087 ug/l

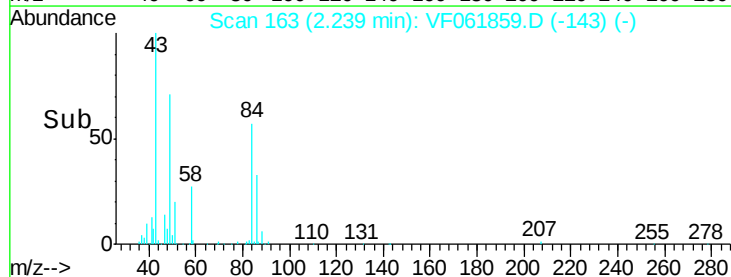
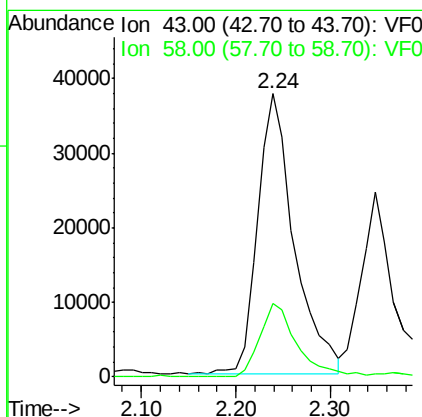
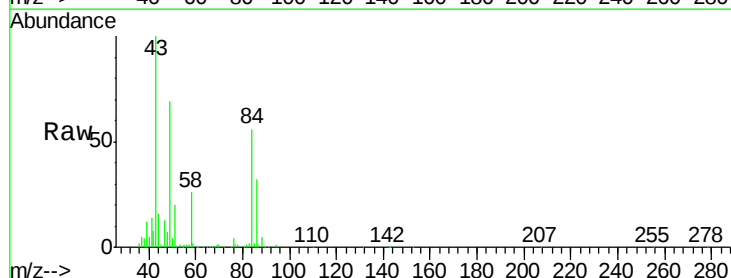
RT: 2.24 min Scan# 163

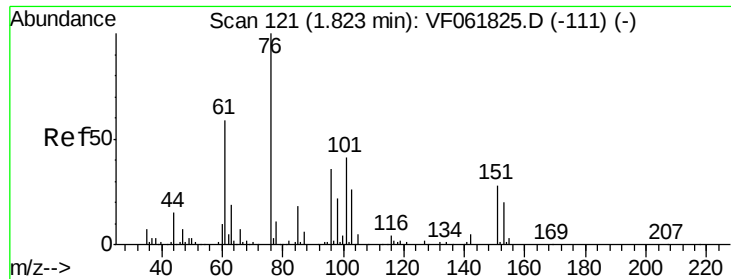
Delta R.T. 0.00 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 101244 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 26.1  | 20.3  | 30.5   |





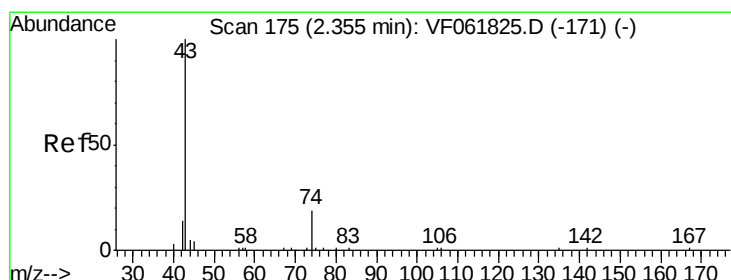
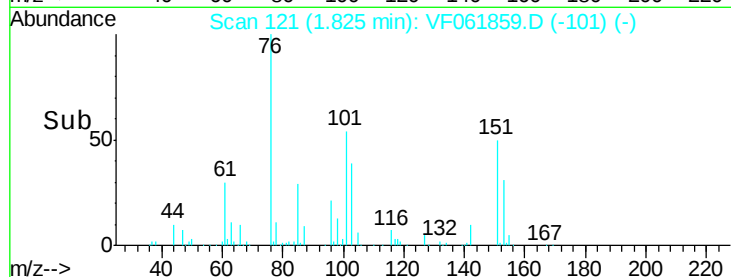
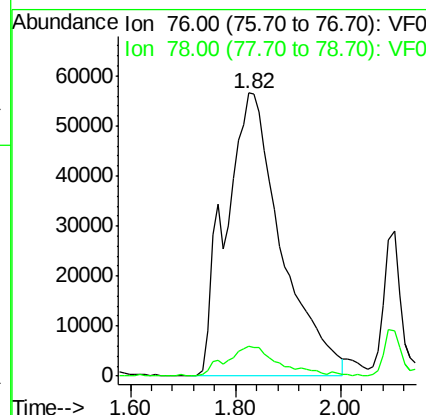
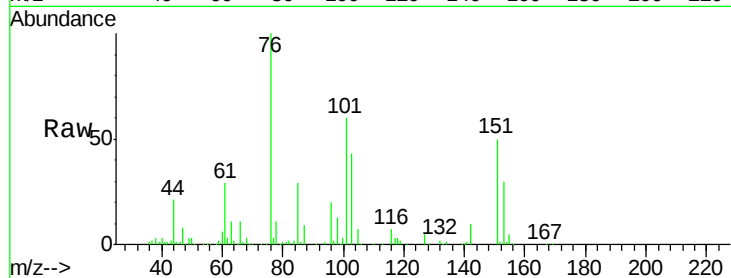
#17  
Carbon Disulfide  
Concen: 52.393 ug/l m  
RT: 1.82 min Scan# 121  
Delta R.T. 0.00 min  
Lab File: VF061859.D  
Acq: 5 Mar 2019 22:22

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 76 Resp: 418709  
Ion Ratio Lower Upper  
76 100  
78 10.8 9.1 13.7

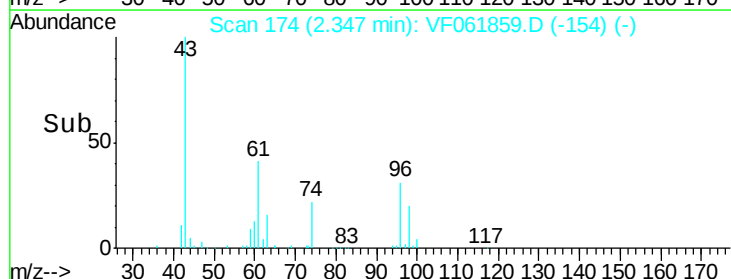
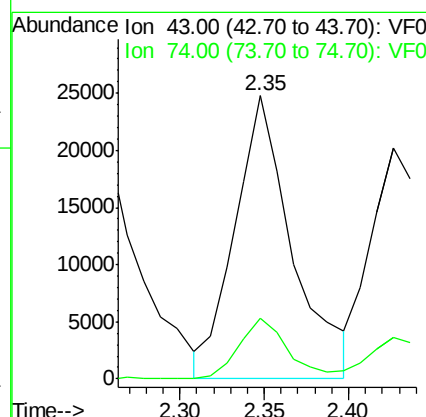
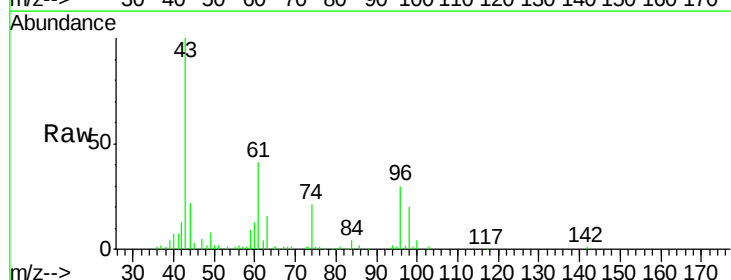
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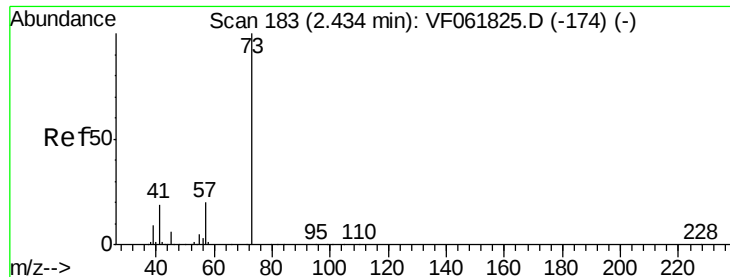
MMDadoda  
3/8/2019 12:12:27 AM



#18  
Methyl Acetate  
Concen: 64.679 ug/l m  
RT: 2.35 min Scan# 174  
Delta R.T. -0.01 min  
Lab File: VF061859.D  
Acq: 5 Mar 2019 22:22

Tgt Ion: 43 Resp: 58621  
Ion Ratio Lower Upper  
43 100  
74 21.3 13.2 19.8#





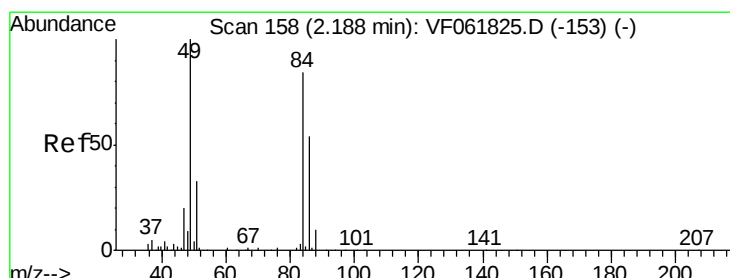
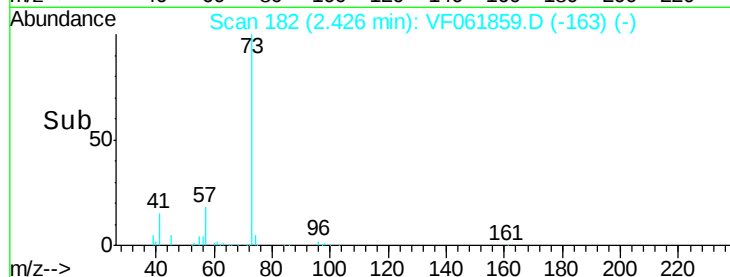
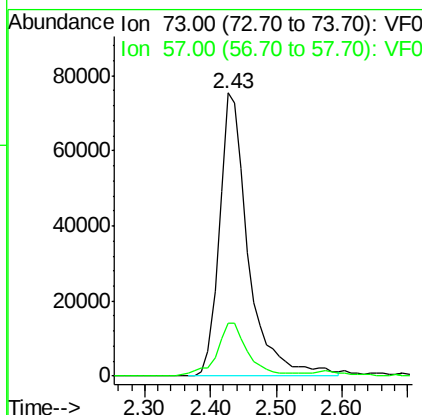
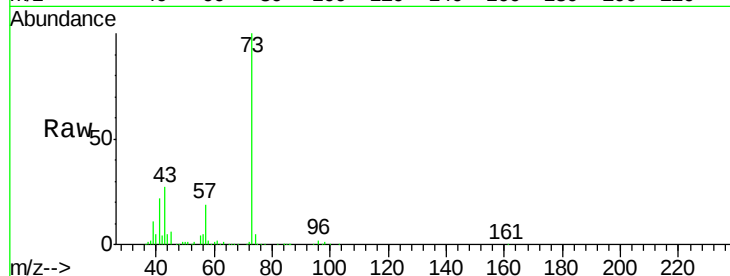
#19  
Methvl tert-butvl Ether  
Concen: 53.181 ug/l  
RT: 2.43 min Scan# 182  
Delta R.T. -0.01 min  
Lab File: VF061859.D  
Acq: 5 Mar 2019 22:22

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 73 Resp: 230974  
Ion Ratio Lower Upper  
73 100  
57 18.8 16.1 24.1

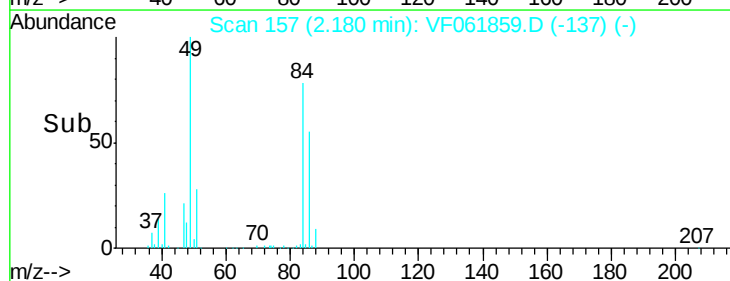
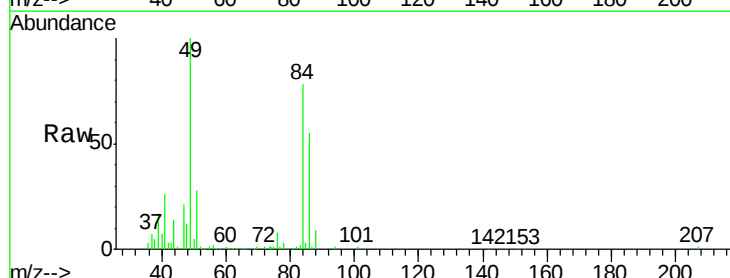
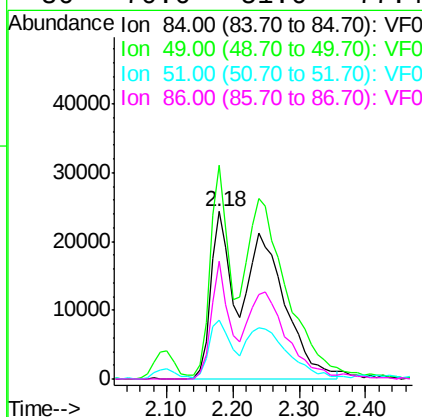
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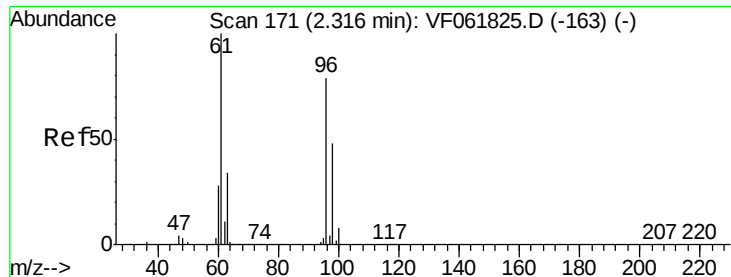
MMDadoda  
3/8/2019 12:12:27 AM



#20  
Methylene Chloride  
Concen: 53.375 ug/l m  
RT: 2.18 min Scan# 157  
Delta R.T. -0.01 min  
Lab File: VF061859.D  
Acq: 5 Mar 2019 22:22

Tgt Ion: 84 Resp: 134864  
Ion Ratio Lower Upper  
84 100  
49 127.8 96.8 145.2  
51 35.4 31.8 47.6  
86 70.6 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 59.967 ug/l

RT: 2.31 min Scan# 170

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 144901

Ion Ratio Lower Upper

96 100

61 138.2 101.0 151.6

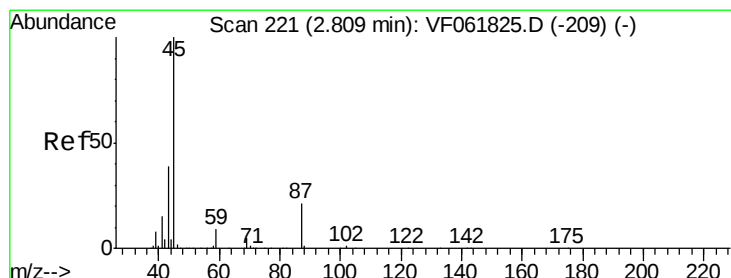
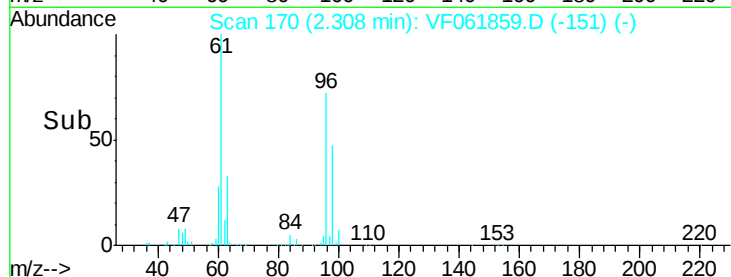
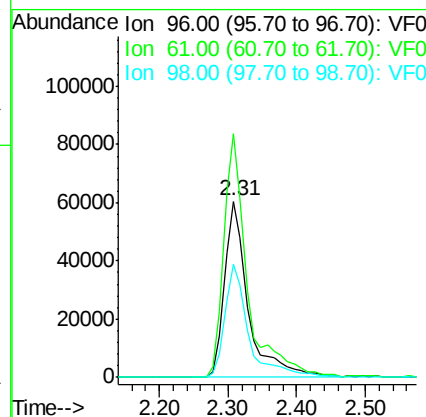
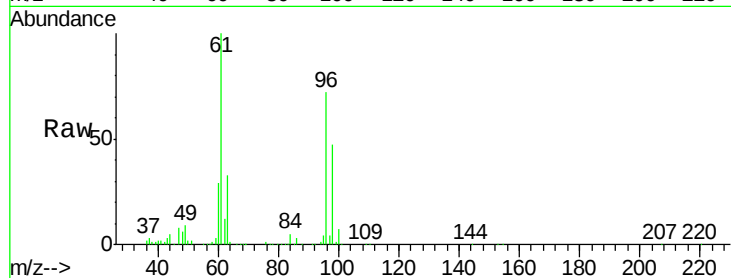
98 64.3 48.8 73.2

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3/8/2019 12:12:27 AM



#22

Diisopropyl ether

Concen: 53.026 ug/l

RT: 2.80 min Scan# 220

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Tgt Ion: 45 Resp: 390134

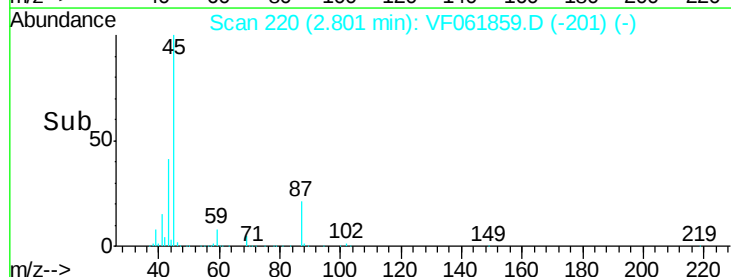
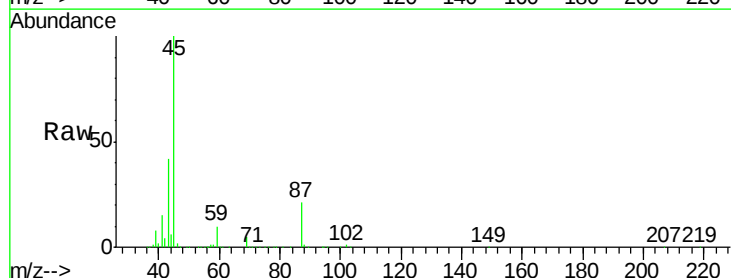
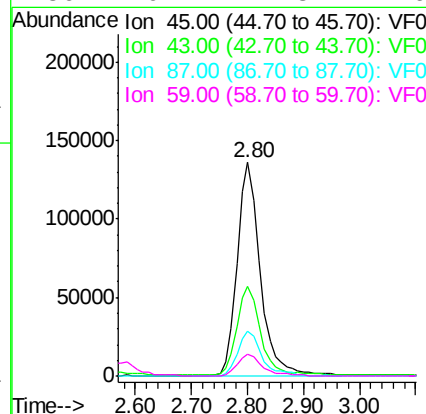
Ion Ratio Lower Upper

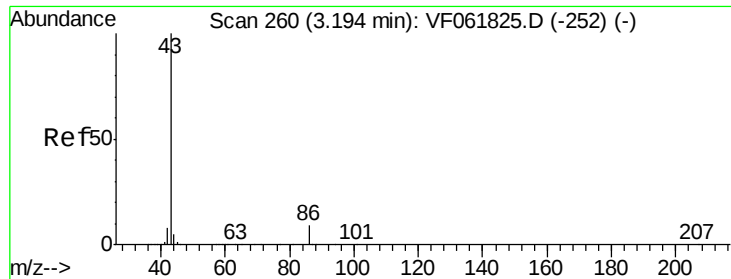
45 100

43 41.9 31.8 47.8

87 20.8 17.1 25.7

59 10.4 7.8 11.6





#23

Vinyl Acetate

Concen: 259.300 ug/l

RT: 3.19 min Scan# 259

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 852270

Ion Ratio Lower Upper

43 100

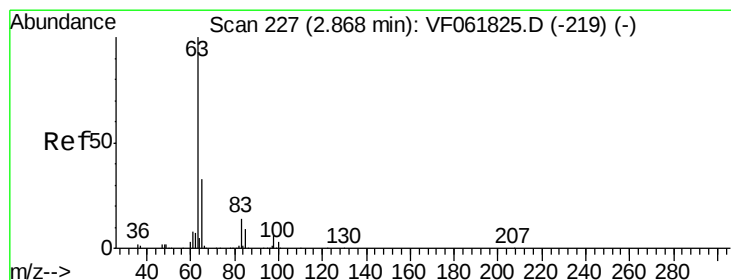
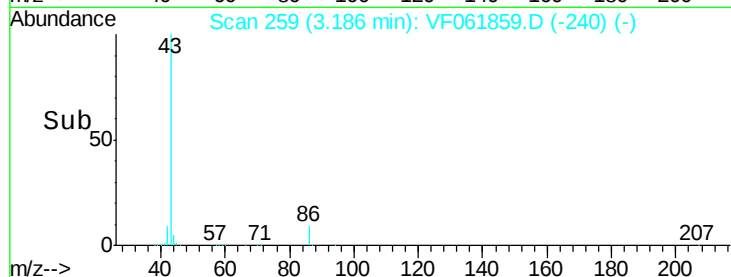
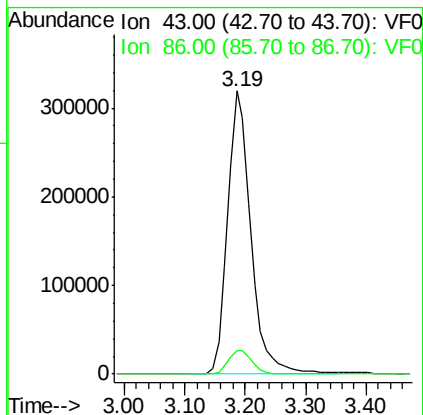
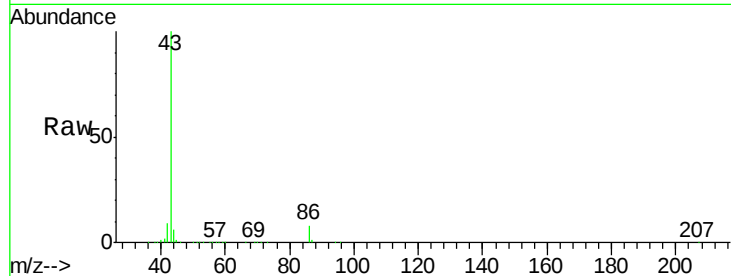
86 8.5 7.0 10.4

Manual Integrations

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MMDadoda

3/8/2019 12:12:27 AM



#24

1,1-Dichloroethane

Concen: 53.742 ug/l

RT: 2.87 min Scan# 227

Delta R.T. 0.00 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

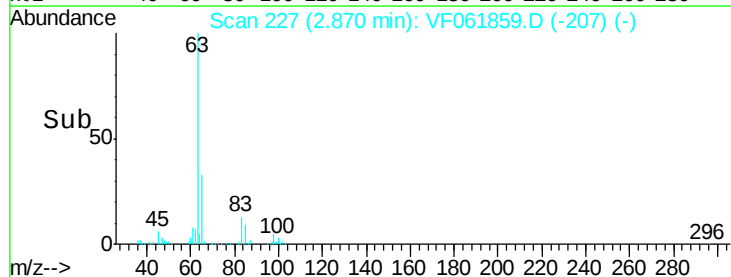
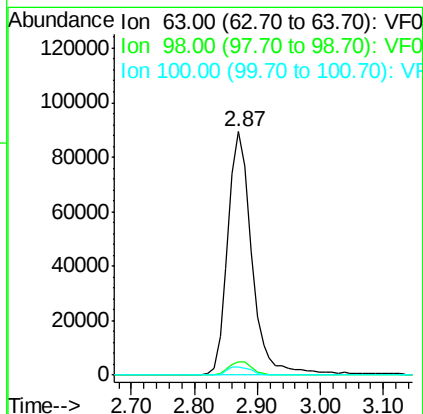
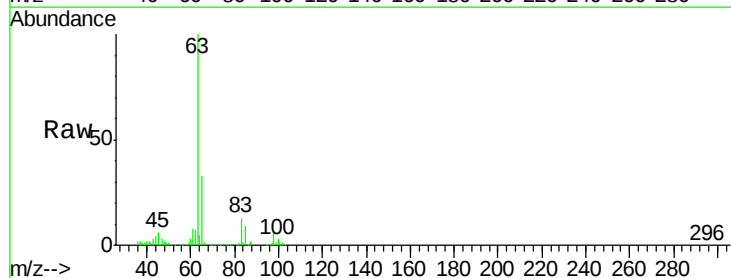
Tgt Ion: 63 Resp: 236338

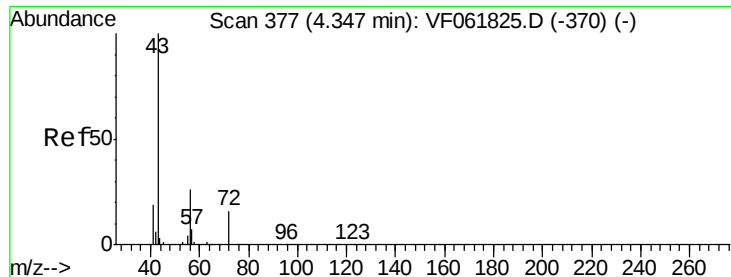
Ion Ratio Lower Upper

63 100

98 5.5 2.9 8.6

100 3.2 1.8 5.3





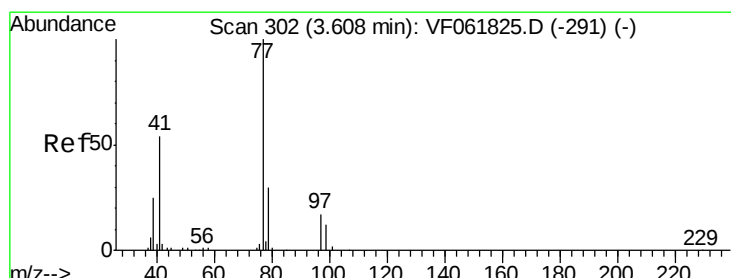
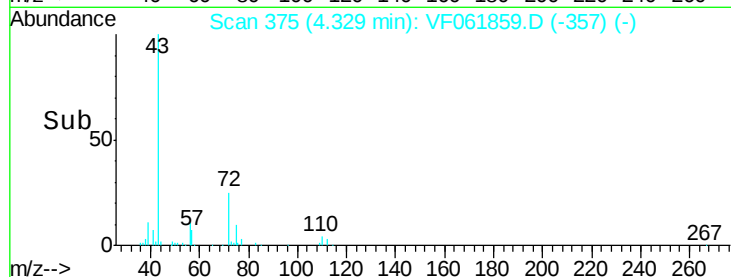
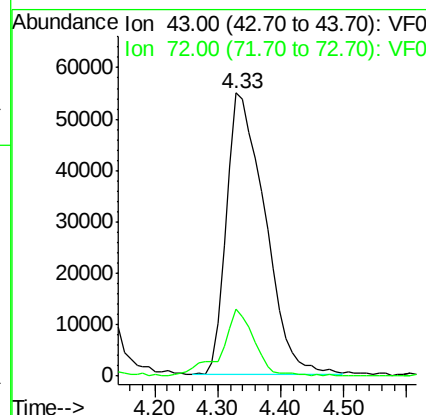
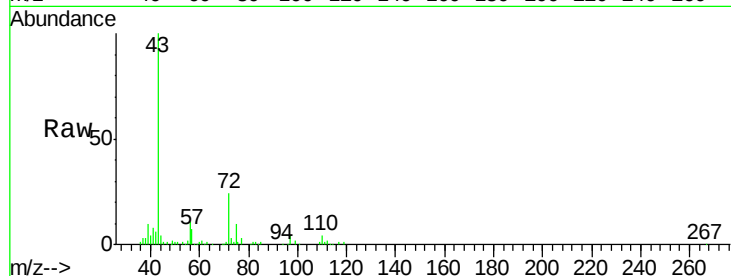
#25  
2-Butanone  
Concen: 247.738 ug/l  
RT: 4.33 min Scan# 375  
Delta R.T. -0.02 min  
Lab File: VF061859.D  
Acq: 5 Mar 2019 22:22

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 230764  
Ion Ratio Lower Upper  
43 100  
72 23.8 16.2 24.4

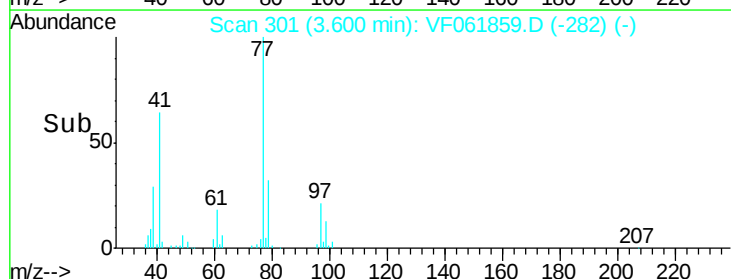
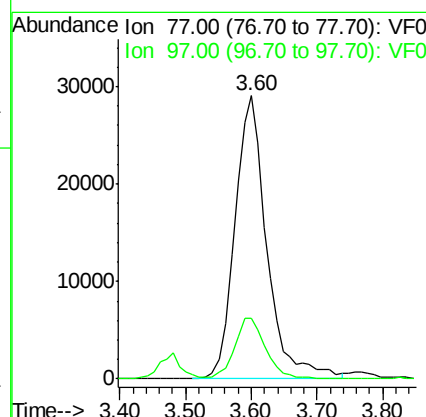
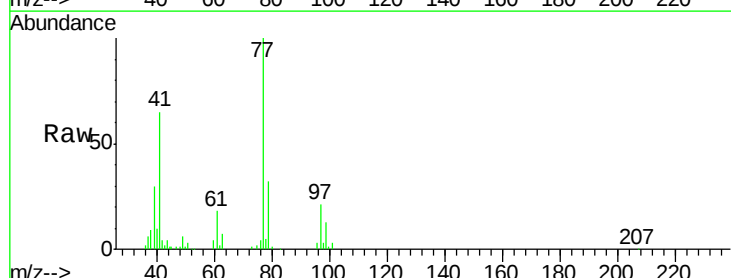
Manual Integrations  
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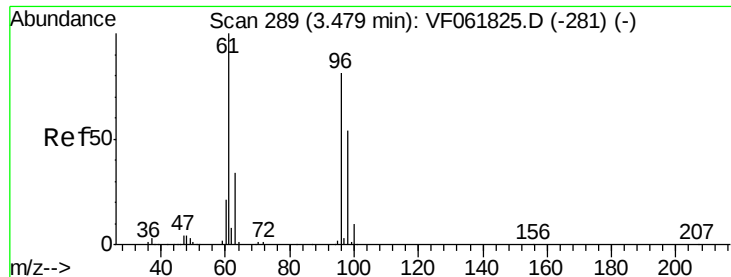
MMDadoda  
3/8/2019 12:12:27 AM



#26  
2,2-Dichloropropane  
Concen: 50.227 ug/l  
RT: 3.60 min Scan# 301  
Delta R.T. -0.01 min  
Lab File: VF061859.D  
Acq: 5 Mar 2019 22:22

Tgt Ion: 77 Resp: 98602  
Ion Ratio Lower Upper  
77 100  
97 21.3 10.4 31.4





#27

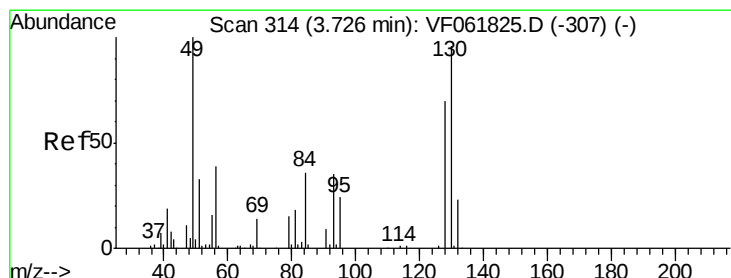
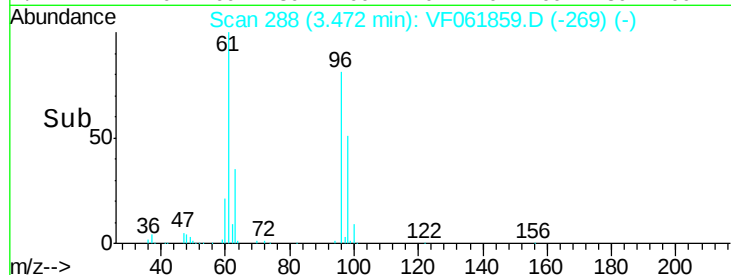
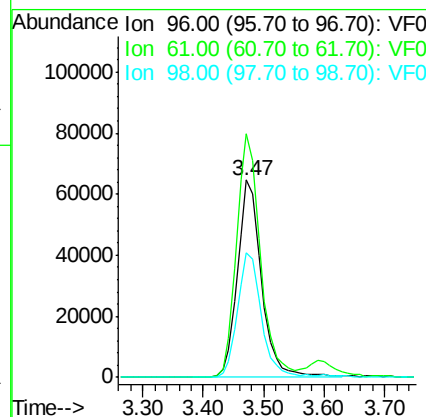
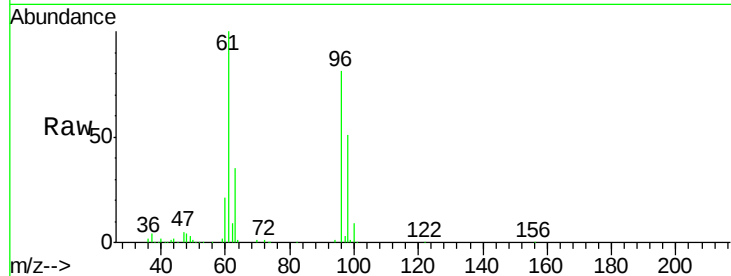
cis-1,2-Dichloroethene  
 Concen: 53.498 ug/l  
 RT: 3.47 min Scan# 288  
 Delta R.T. -0.01 min  
 Lab File: VF061859.D  
 Acq: 5 Mar 2019 22:22

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 123.6 | 0.0   | 245.8 |
| 98      | 63.1  | 0.0   | 132.6 |

Manual Integrations  
 APPROVED

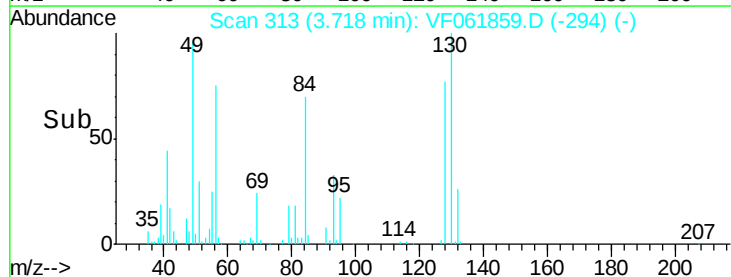
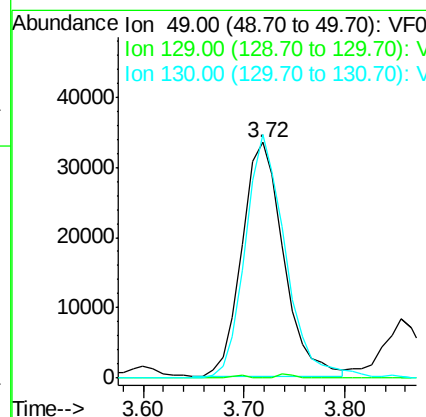
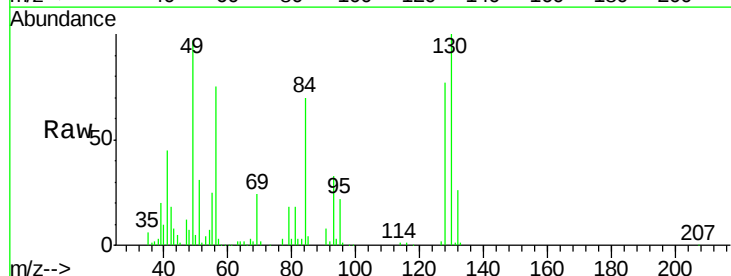
MMDadoda  
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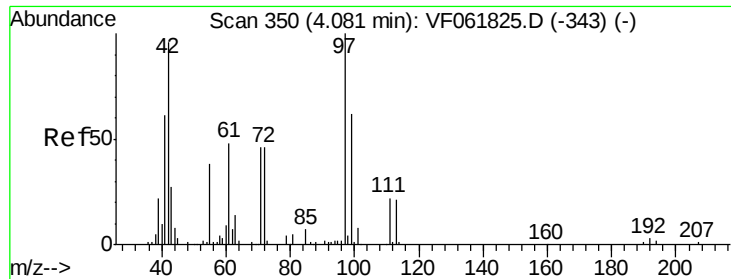


#28

Bromochloromethane  
 Concen: 50.234 ug/l  
 RT: 3.72 min Scan# 313  
 Delta R.T. -0.01 min  
 Lab File: VF061859.D  
 Acq: 5 Mar 2019 22:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 0.0   | 0.0   | 0.0   |
| 130     | 103.3 | 76.9  | 115.3 |





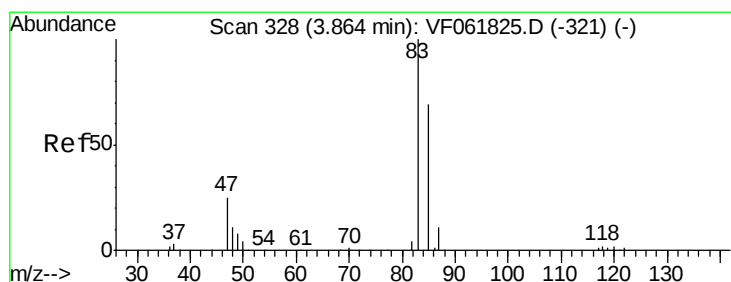
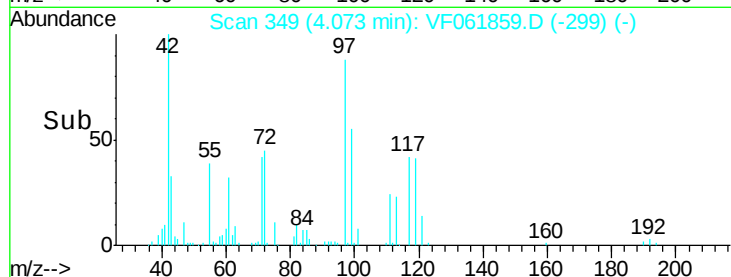
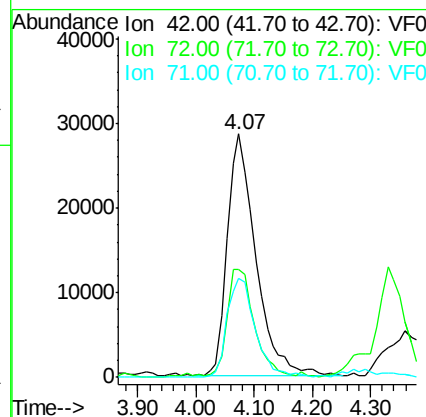
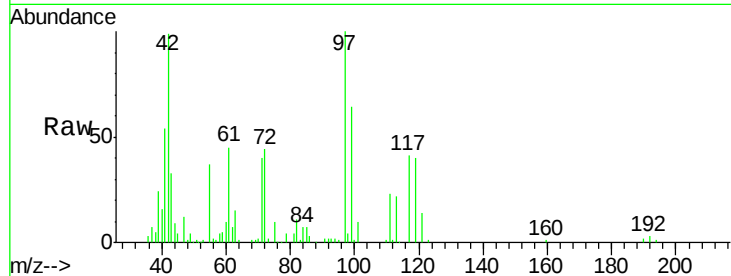
#29  
Tetrahydrofuran  
Concen: 242.138 ug/l  
RT: 4.07 min Scan# 349  
Delta R.T. -0.01 min  
Lab File: VF061859.D  
Acq: 5 Mar 2019 22:22

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 43.0  | 34.4  | 51.6  |
| 71      | 40.8  | 34.6  | 52.0  |

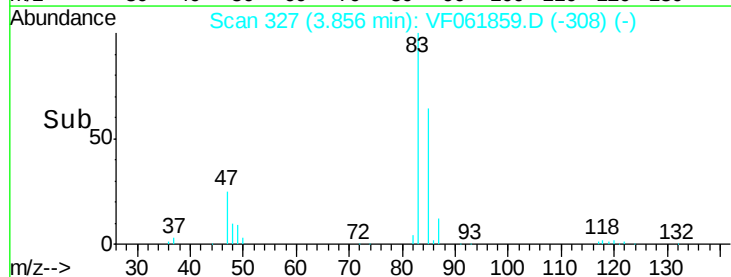
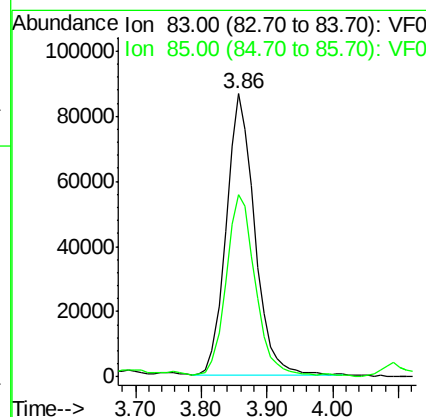
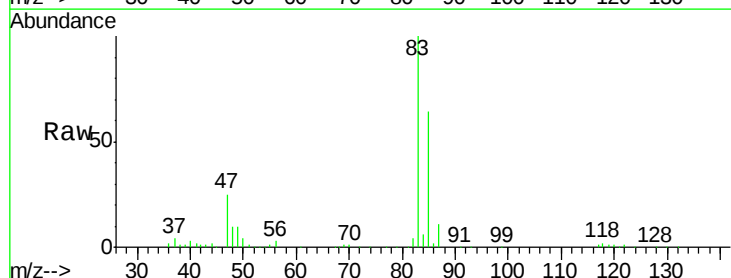
Manual Integrations  
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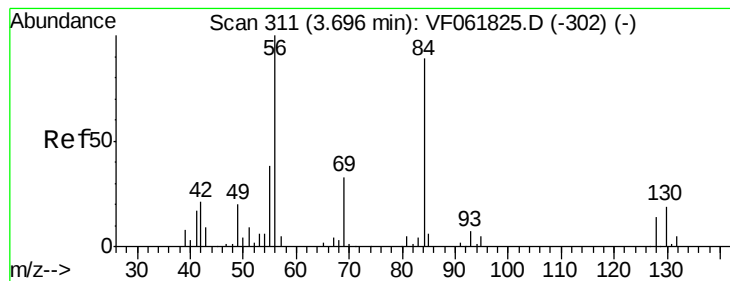
MMDadoda  
3/8/2019 12:12:27 AM



#30  
Chloroform  
Concen: 51.330 ug/l  
RT: 3.86 min Scan# 327  
Delta R.T. -0.01 min  
Lab File: VF061859.D  
Acq: 5 Mar 2019 22:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.3  | 55.3  | 82.9  |





#31

Cyclohexane

Concen: 50.396 ug/l

RT: 3.69 min Scan# 310

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Instrument :

MSVOA\_F

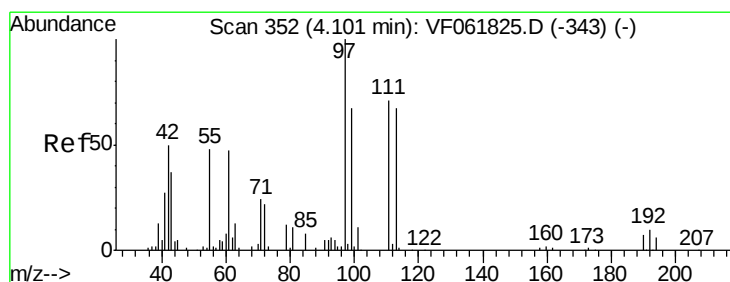
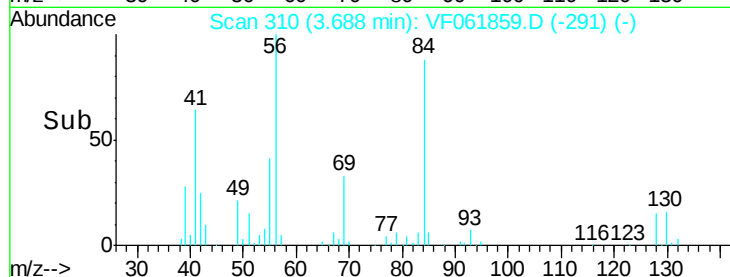
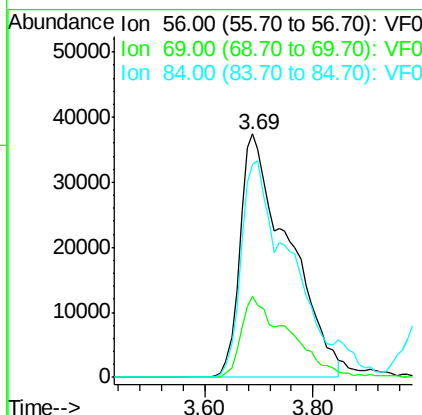
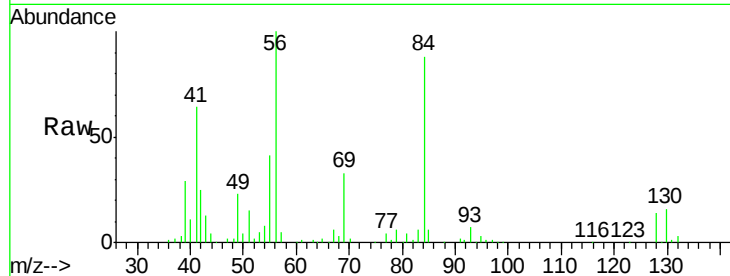
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 56    | Resp: | 232126 |
| Ion Ratio | Lower | Upper |        |
| 56        | 100   |       |        |
| 69        | 33.3  | 26.0  | 39.0   |
| 84        | 87.7  | 71.0  | 106.6  |

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#32

1,1,1-Trichloroethane

Concen: 60.811 ug/l

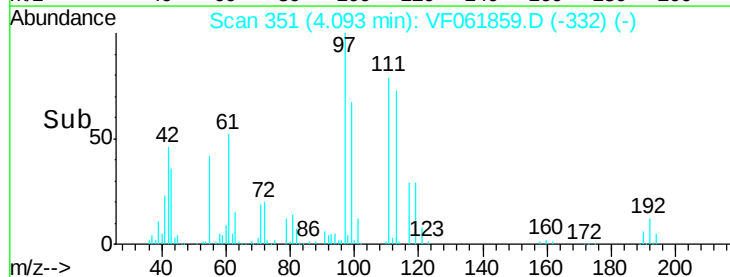
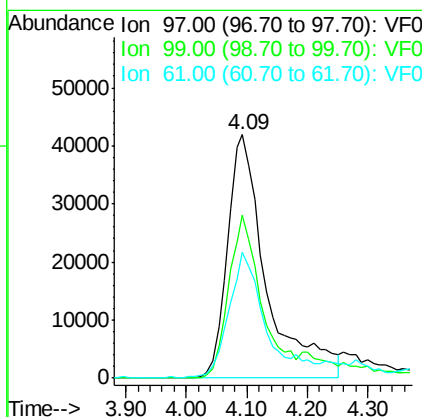
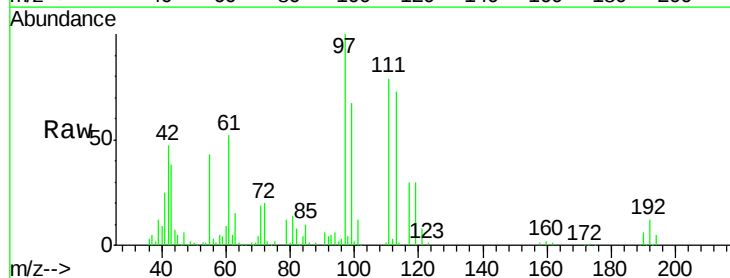
RT: 4.09 min Scan# 351

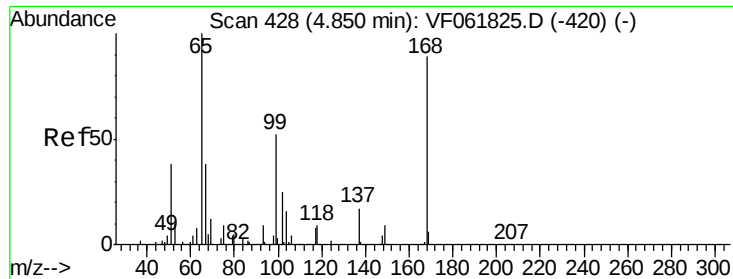
Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 97    | Resp: | 188280 |
| Ion Ratio | Lower | Upper |        |
| 97        | 100   |       |        |
| 99        | 66.7  | 53.8  | 80.8   |
| 61        | 51.9  | 37.9  | 56.9   |





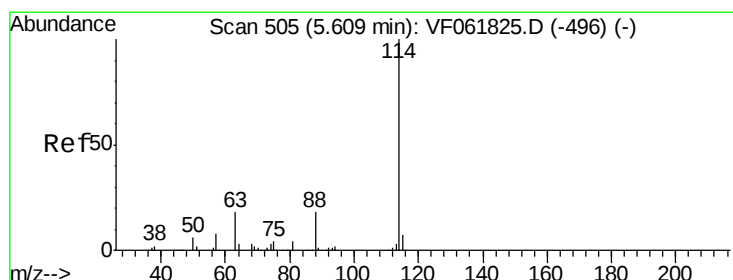
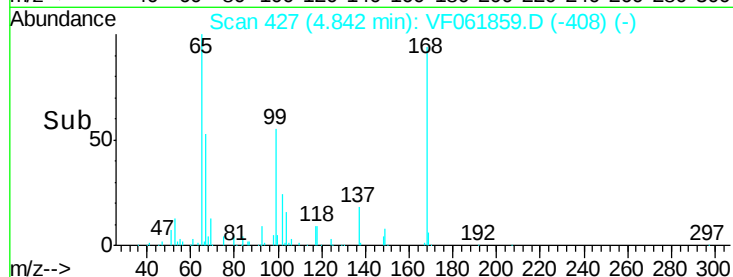
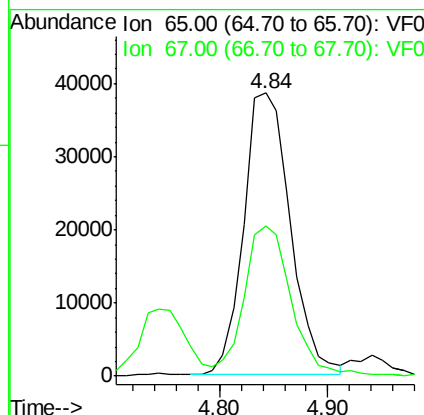
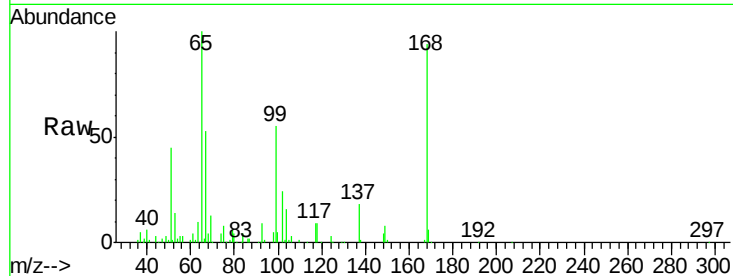
#33  
 1,2-Dichloroethane-d4  
 Concen: 53.094 ug/l  
 RT: 4.84 min Scan# 427  
 Delta R.T. -0.01 min  
 Lab File: VF061859.D  
 Acq: 5 Mar 2019 22:22

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 53.1  | 0.0   | 108.6 |

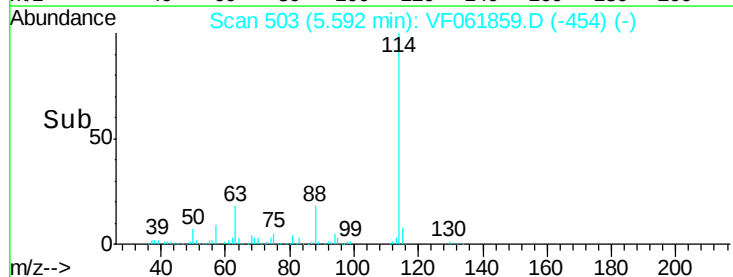
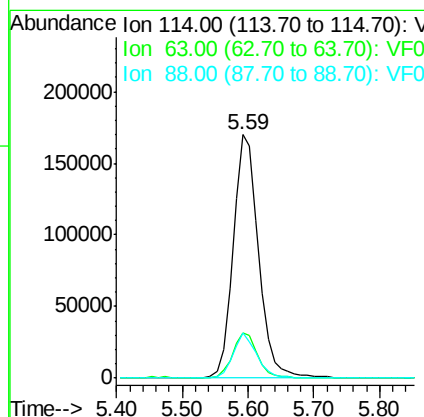
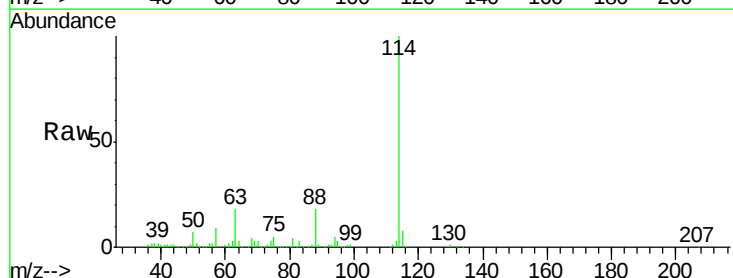
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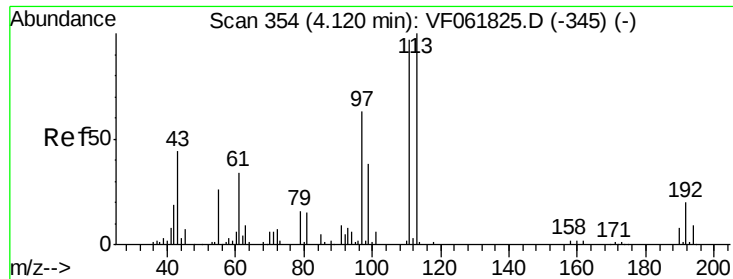
MMDadoda  
 3/8/2019 12:12:27 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.59 min Scan# 503  
 Delta R.T. -0.02 min  
 Lab File: VF061859.D  
 Acq: 5 Mar 2019 22:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 18.5  | 0.0   | 35.6  |
| 88      | 18.4  | 0.0   | 35.6  |





#35

Dibromofluoromethane

Concen: 51.086 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Instrument :

MSVOA\_F

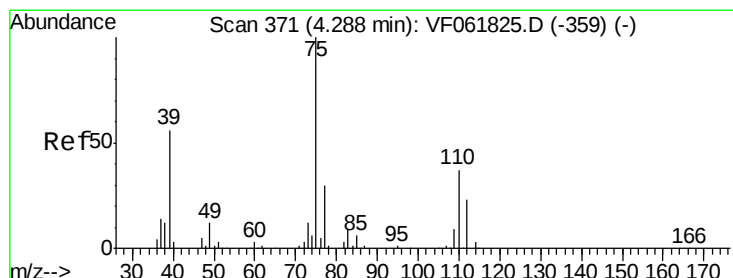
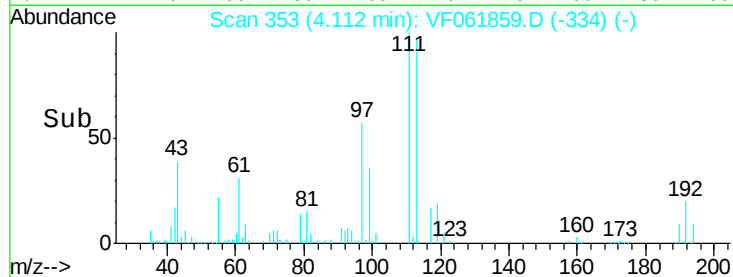
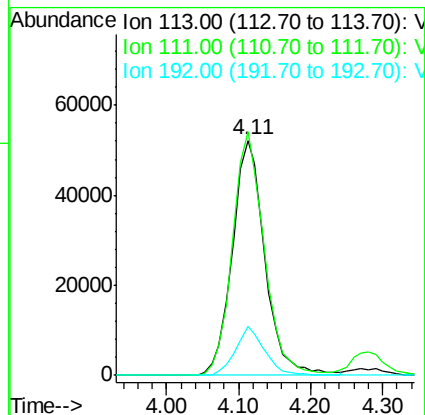
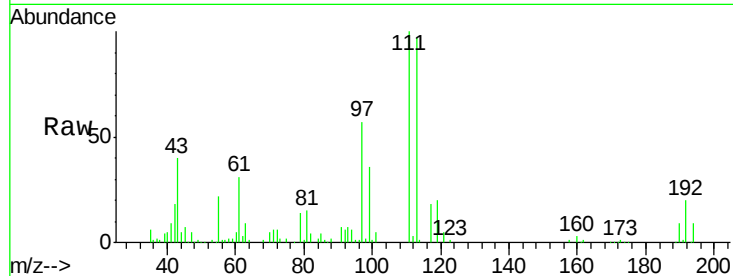
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 163856 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 103.5 | 77.6  | 116.4  |
| 192       | 20.6  | 15.9  | 23.9   |

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#36

1,1-Dichloropropene

Concen: 51.756 ug/l

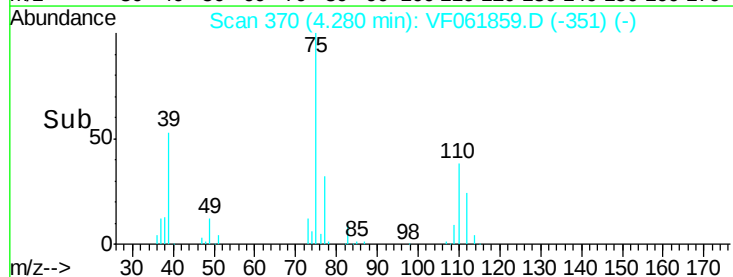
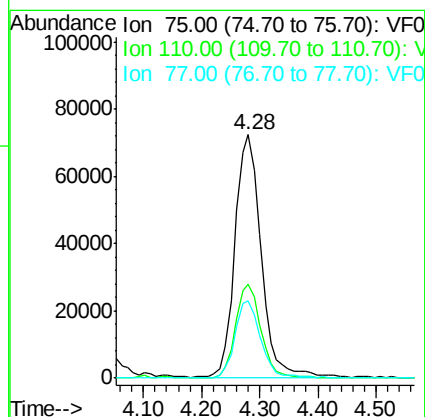
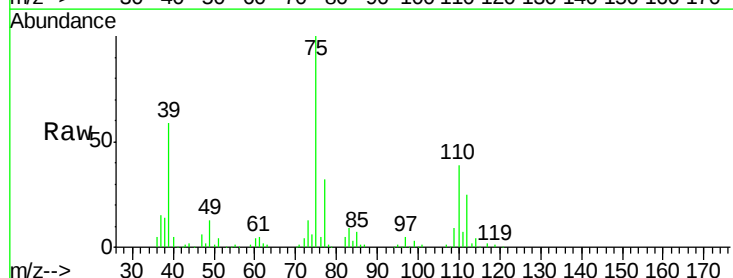
RT: 4.28 min Scan# 370

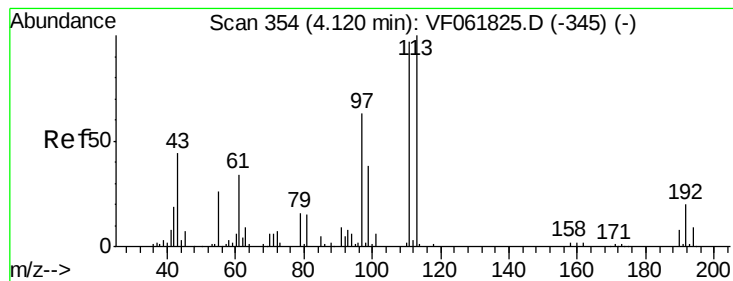
Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 224701 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 110       | 38.5  | 18.6  | 55.6   |
| 77        | 31.8  | 24.2  | 36.2   |





#37

Ethyl Acetate

Concen: 47.470 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Instrument :

MSVOA\_F

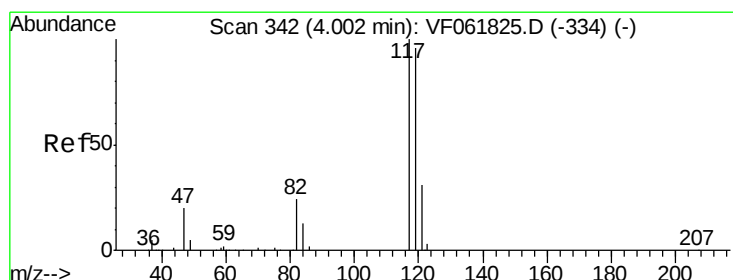
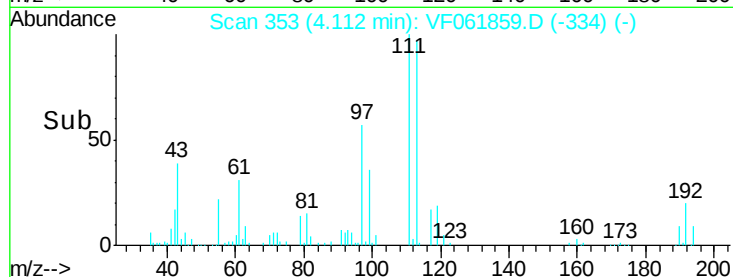
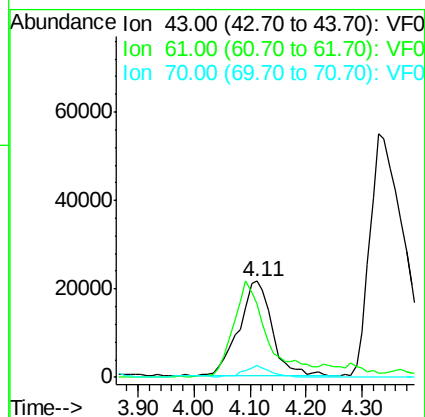
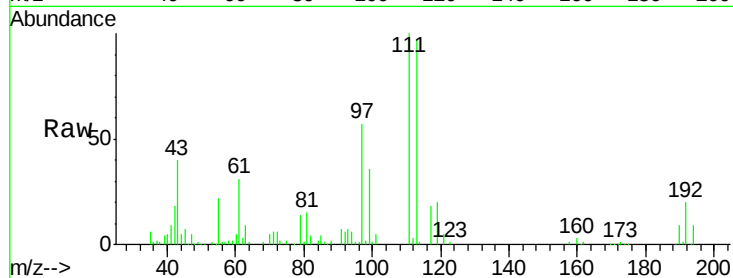
ClientSampleId :

VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 86504 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 76.3  | 60.7  | 91.1  |
| 70       | 11.9  | 10.6  | 15.8  |

Manual Integrations  
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3/8/2019 12:12:27 AM



#38

Carbon Tetrachloride

Concen: 53.629 ug/l

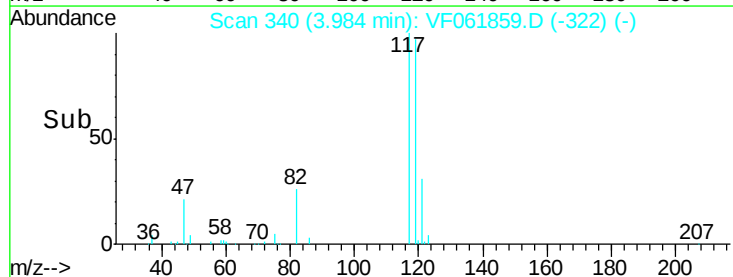
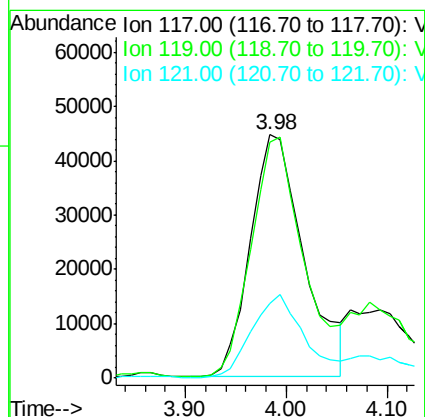
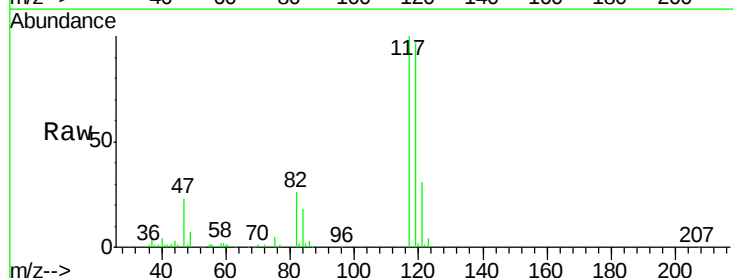
RT: 3.98 min Scan# 340

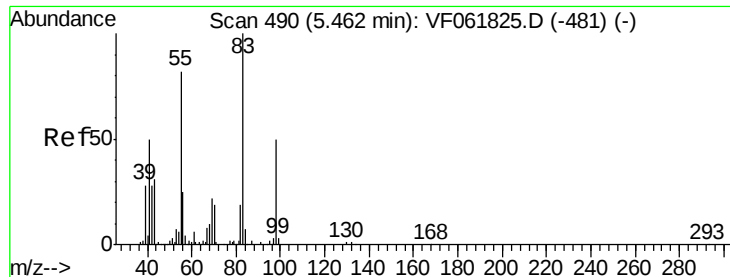
Delta R.T. -0.02 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 164822 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 96.8  | 76.6  | 114.8  |
| 121      | 30.6  | 24.4  | 36.6   |





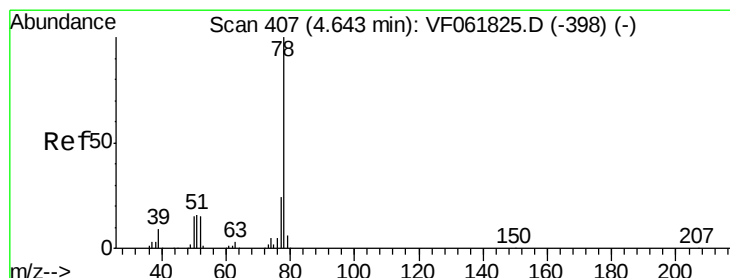
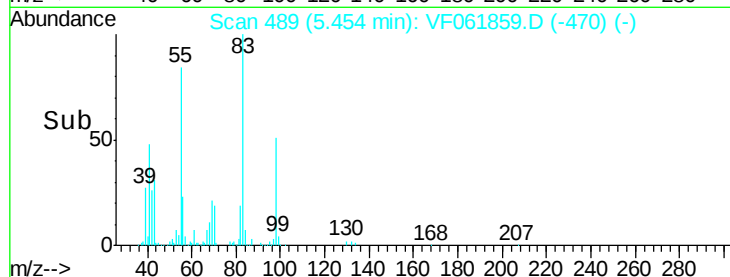
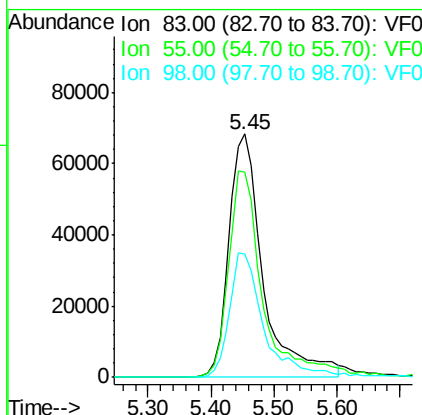
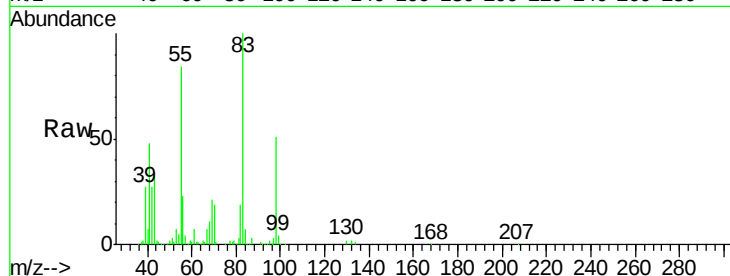
#39  
Methvlcvclohexane  
Concen: 50.287 ug/l  
RT: 5.45 min Scan# 489  
Delta R.T. -0.01 min  
Lab File: VF061859.D  
Acq: 5 Mar 2019 22:22

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion   | 83    | Resp  | 257873 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 55        | 84.2  | 66.0  | 99.0   |
| 98        | 50.7  | 39.8  | 59.6   |

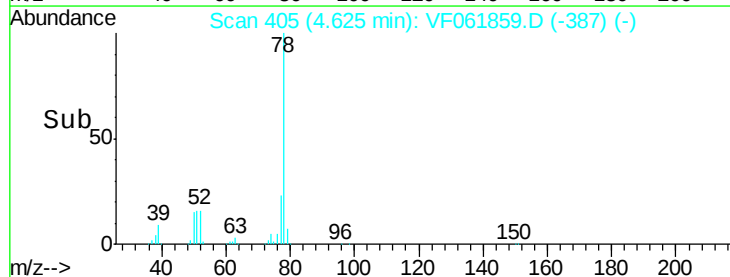
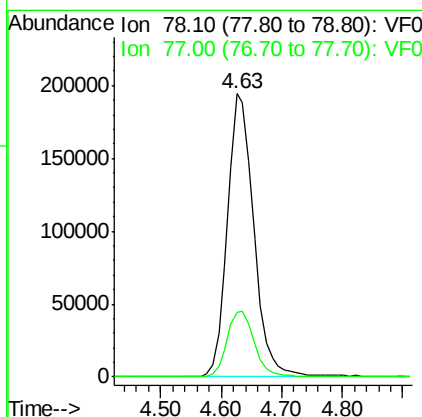
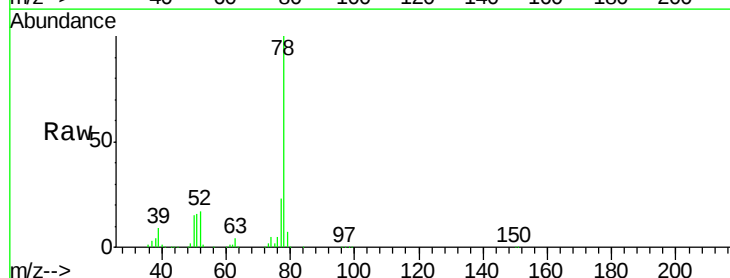
Manual Integrations  
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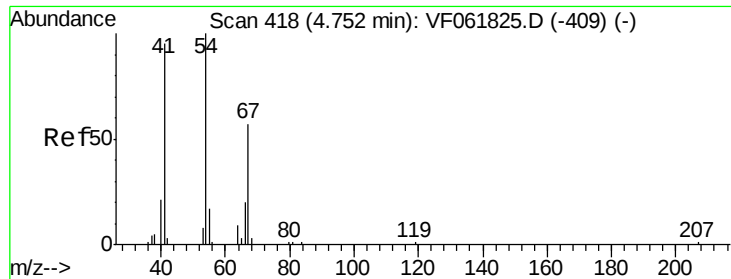
MMDadoda  
3/8/2019 12:12:27 AM



#40  
Benzene  
Concen: 51.942 ug/l  
RT: 4.63 min Scan# 405  
Delta R.T. -0.02 min  
Lab File: VF061859.D  
Acq: 5 Mar 2019 22:22

| Tgt Ion   | 78    | Resp  | 589454 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 78        | 100   |       |        |
| 77        | 22.8  | 19.5  | 29.3   |





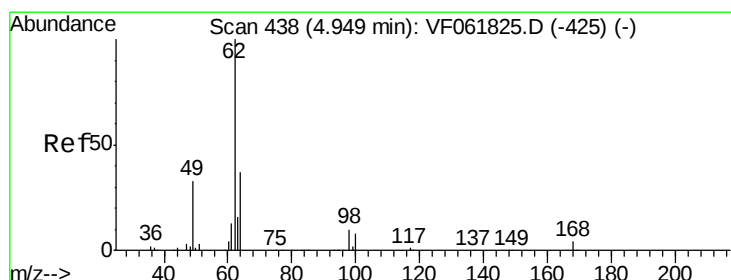
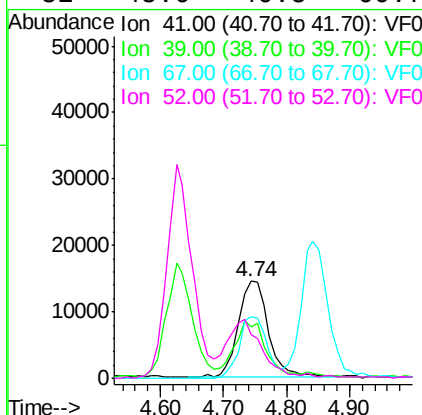
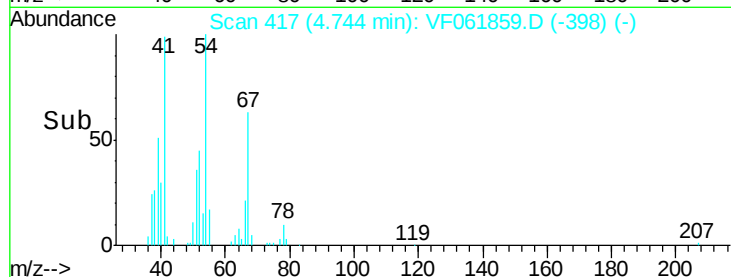
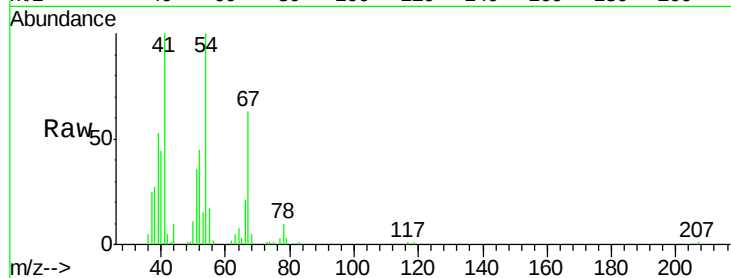
#41  
Methacrylonitrile  
Concen: 48.836 ug/l  
RT: 4.74 min Scan# 417  
Delta R.T. -0.01 min  
Lab File: VF061859.D  
Acq: 5 Mar 2019 22:22

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 53.2 | 43.0  | 64.6  |       |
| 67      | 63.0 | 47.8  | 71.8  |       |
| 52      | 45.0 | 40.5  | 60.7  |       |

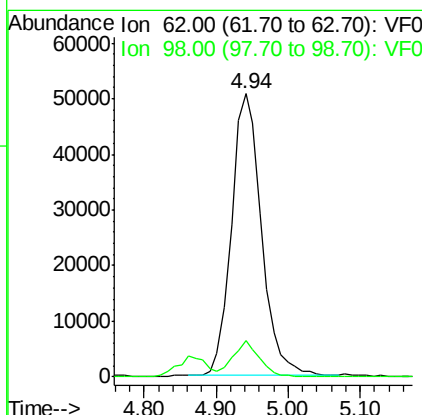
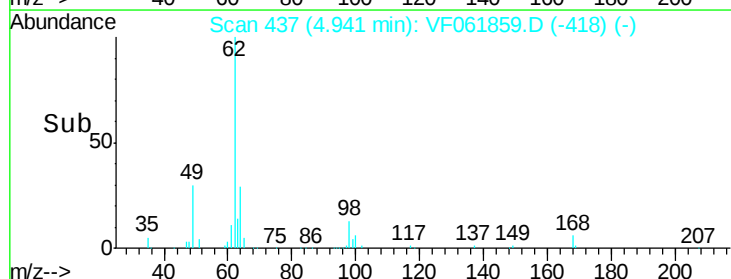
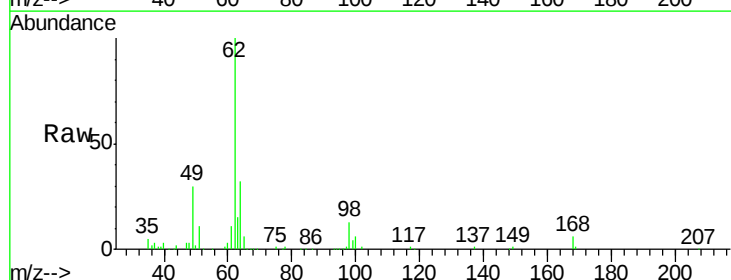
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APPROVED

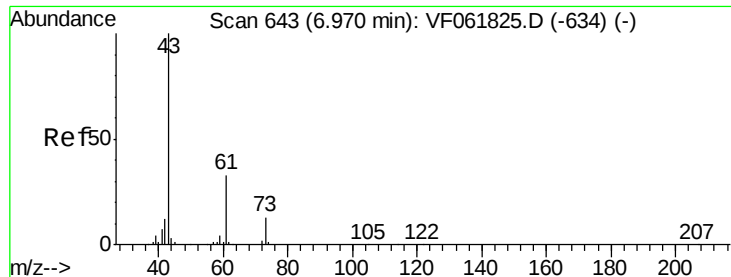
MMDadoda  
3/8/2019 12:12:27 AM



#42  
1,2-Dichloroethane  
Concen: 51.998 ug/l  
RT: 4.94 min Scan# 437  
Delta R.T. -0.01 min  
Lab File: VF061859.D  
Acq: 5 Mar 2019 22:22

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 62      | 100  |       |       |       |
| 98      | 12.7 | 0.0   | 21.0  |       |





#43

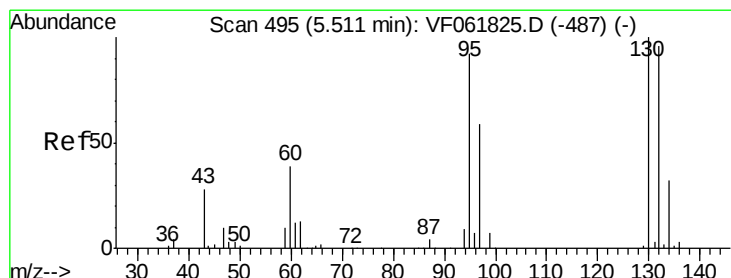
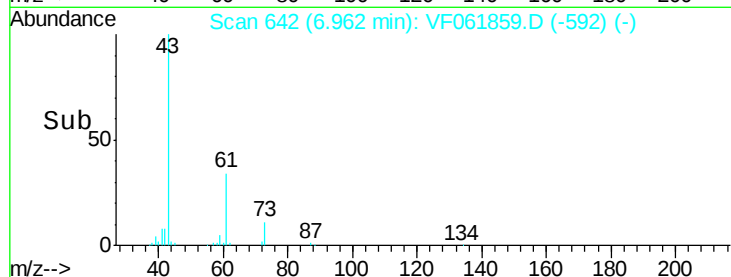
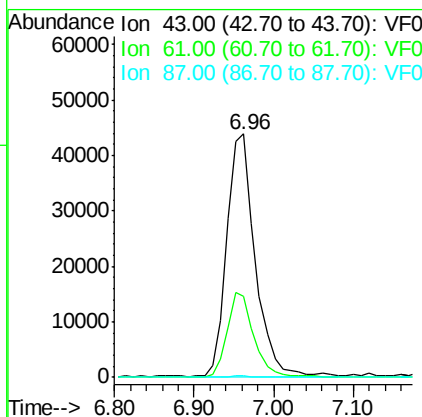
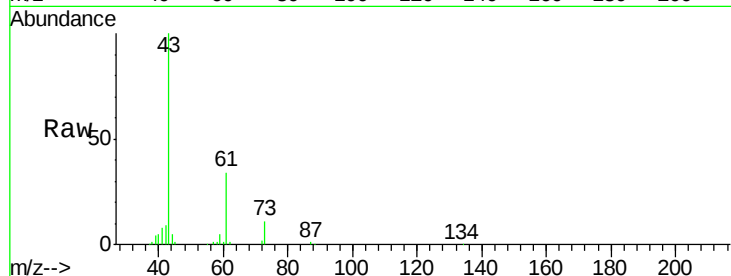
Isopropyl Acetate  
 Concen: 48.837 ug/l  
 RT: 6.96 min Scan# 642  
 Delta R.T. -0.01 min  
 Lab File: VF061859.D  
 Acq: 5 Mar 2019 22:22

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 33.5  | 26.1  | 39.1  |
| 87      | 0.5   | 0.0   | 0.0   |

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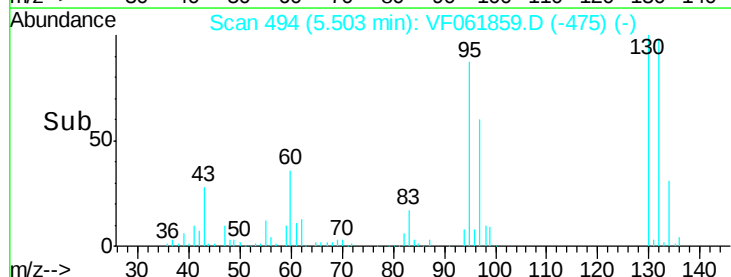
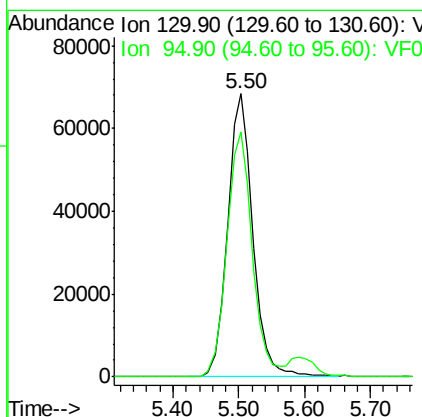
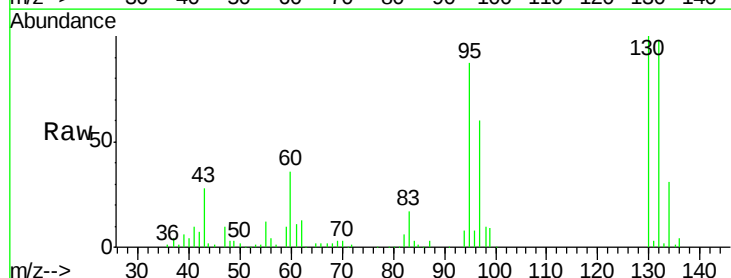
MMDadoda  
 3/8/2019 12:12:27 AM

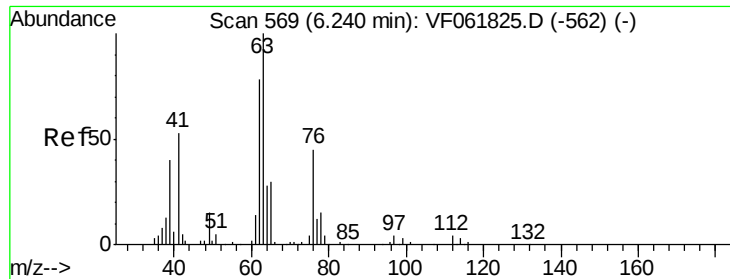


#44

Trichloroethene  
 Concen: 52.062 ug/l  
 RT: 5.50 min Scan# 494  
 Delta R.T. -0.01 min  
 Lab File: VF061859.D  
 Acq: 5 Mar 2019 22:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 86.7  | 0.0   | 184.0 |





#45

1,2-Dichloropropane

Concen: 52.148 ug/l

RT: 6.23 min Scan# 568

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 140724

Ion Ratio Lower Upper

63 100

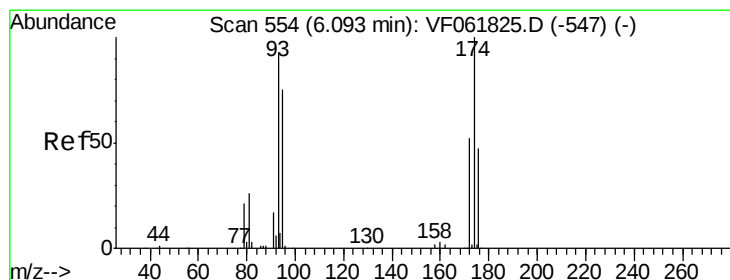
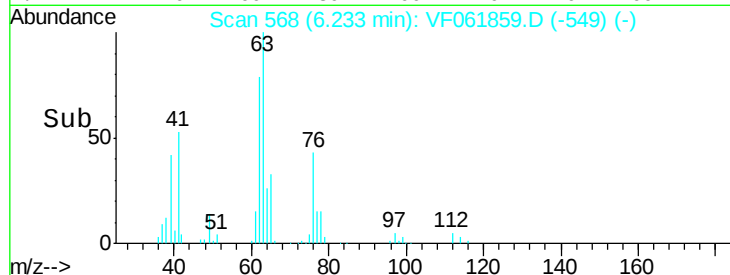
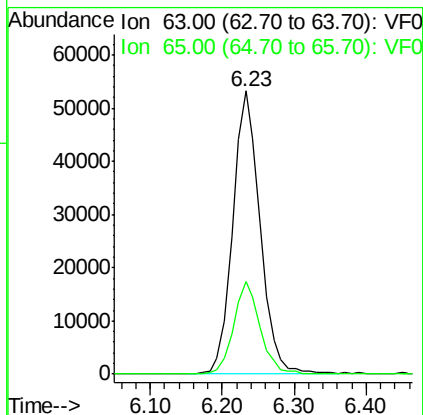
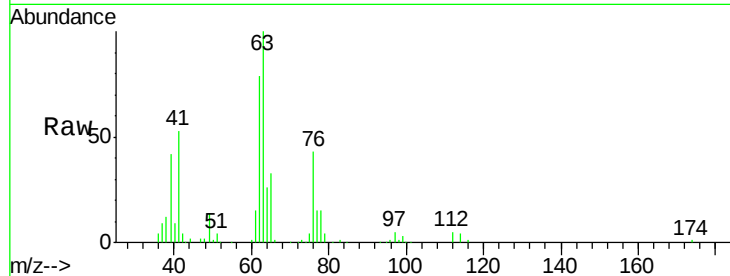
65 32.8 24.0 36.0

Manual Integrations

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3/8/2019 12:12:27 AM



#46

Dibromomethane

Concen: 52.618 ug/l

RT: 6.08 min Scan# 553

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

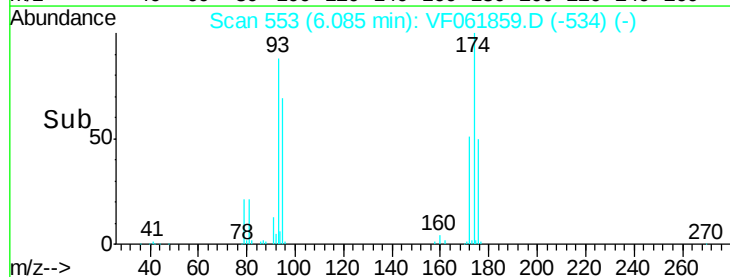
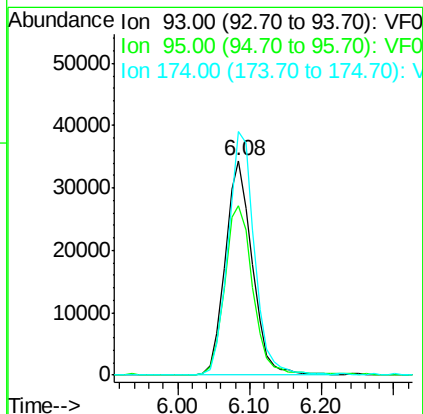
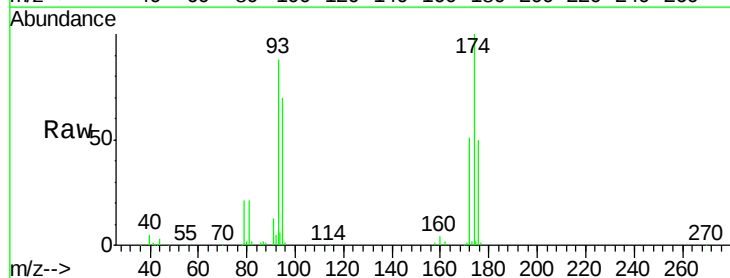
Tgt Ion: 93 Resp: 89364

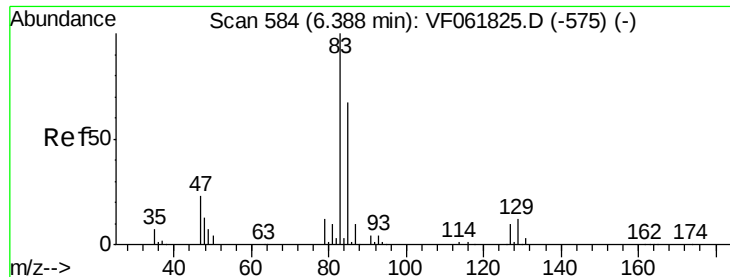
Ion Ratio Lower Upper

93 100

95 78.9 64.4 96.6

174 113.5 85.8 128.6





#47

Bromodichloromethane

Concen: 52.920 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Instrument :

MSVOA\_F

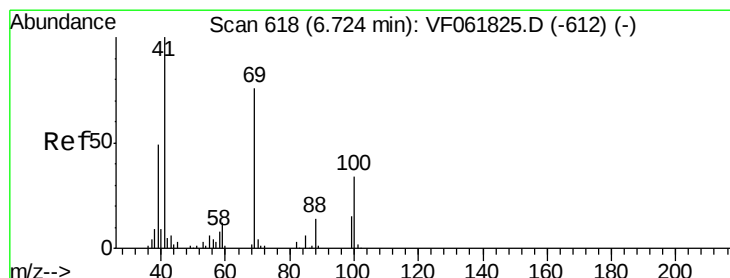
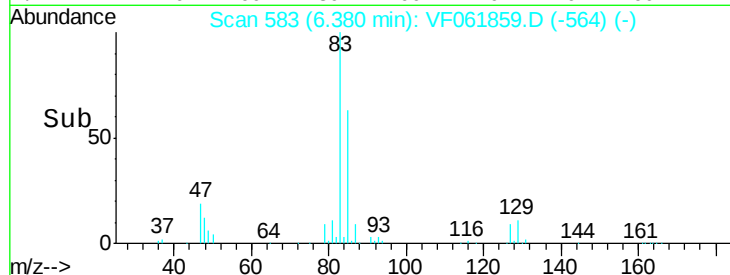
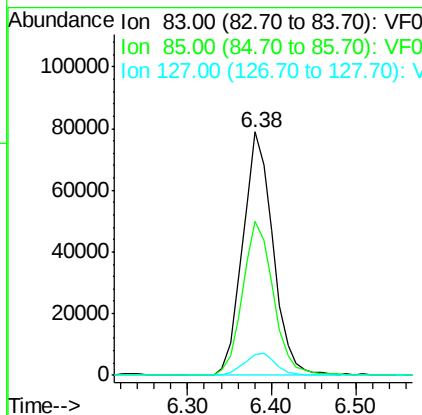
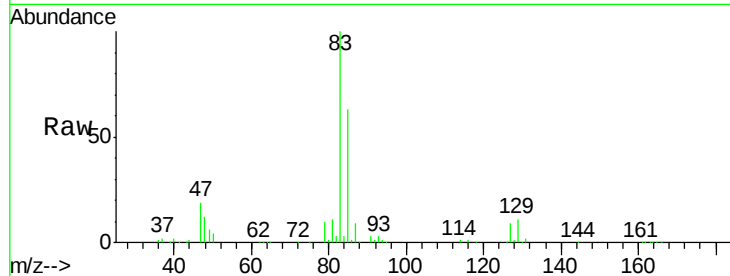
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 198562 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 63.3  | 53.6  | 80.4   |
| 127      | 8.5   | 8.1   | 12.1   |

Manual Integrations  
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#48

Methyl methacrylate

Concen: 46.802 ug/l

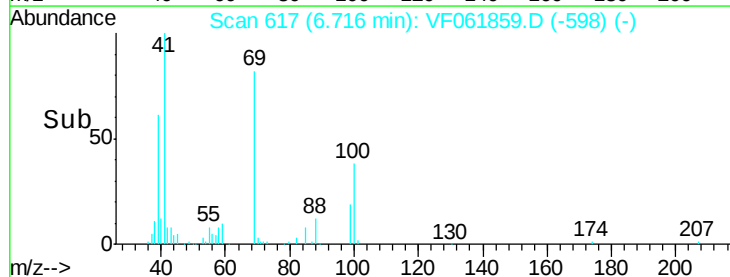
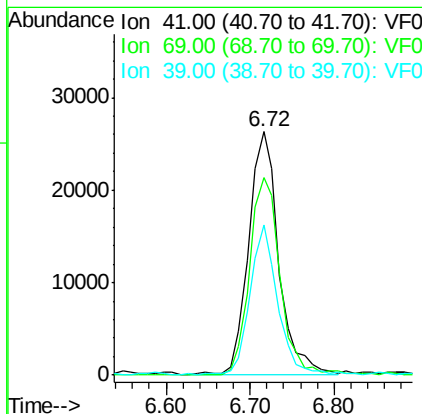
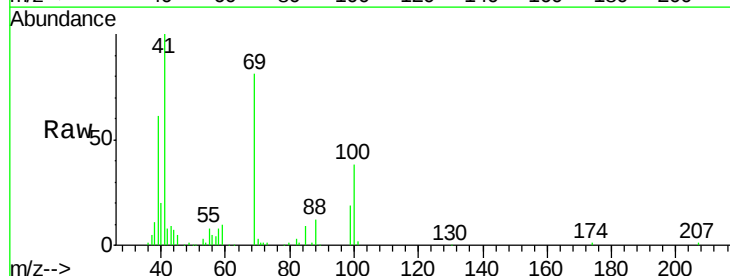
RT: 6.72 min Scan# 617

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 66534 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 81.1  | 60.4  | 90.6  |
| 39       | 61.5  | 39.7  | 59.5# |





#49

1,4-Dioxane

Concen: 909.077 ug/l

RT: 6.71 min Scan# 616

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Instrument :

MSVOA\_F

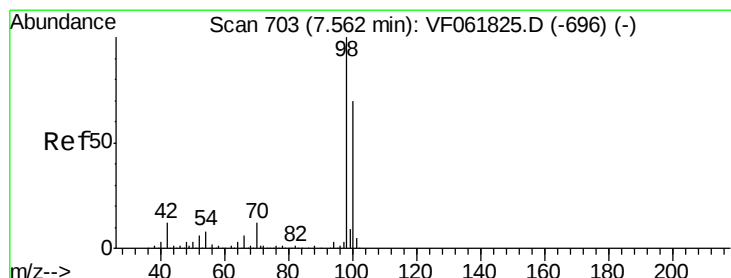
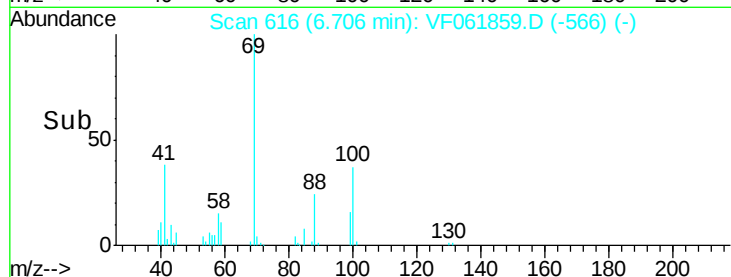
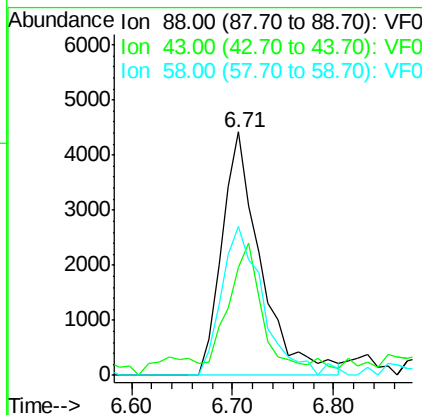
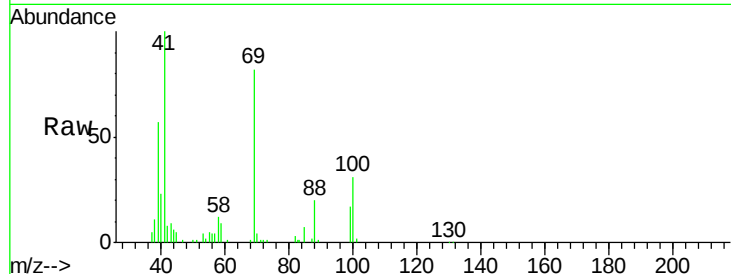
ClientSampleId :

VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 88    | Resp: | 11814 |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 43       | 44.6  | 28.4  | 42.6# |
| 58       | 61.3  | 50.7  | 76.1  |

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#50

Toluene-d8

Concen: 52.127 ug/l

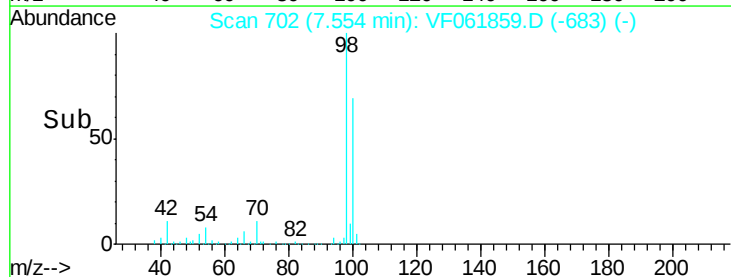
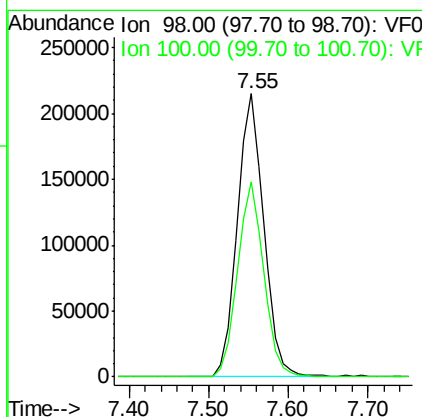
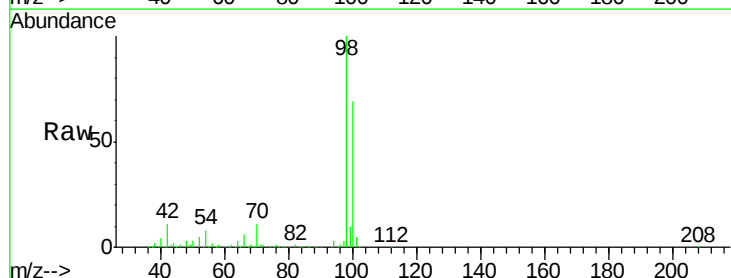
RT: 7.55 min Scan# 702

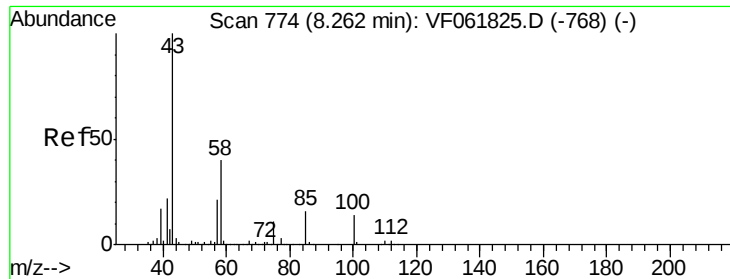
Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 496960 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 69.0  | 56.0  | 84.0   |





#51

4-Methyl-2-Pentanone

Concen: 245.576 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 381252

Ion Ratio Lower Upper

43 100

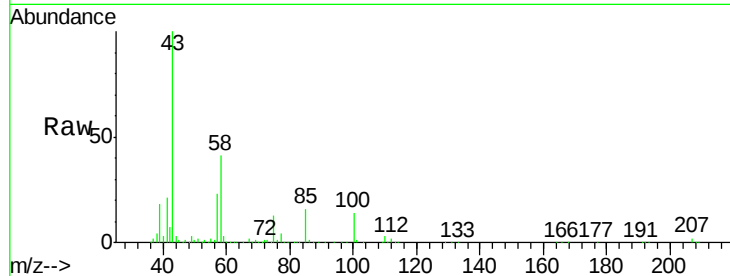
58 41.3 31.8 47.8

Manual Integrations

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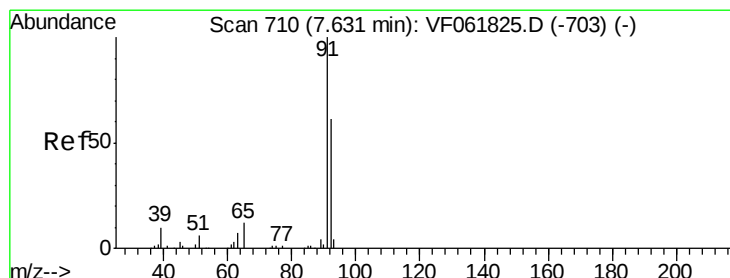
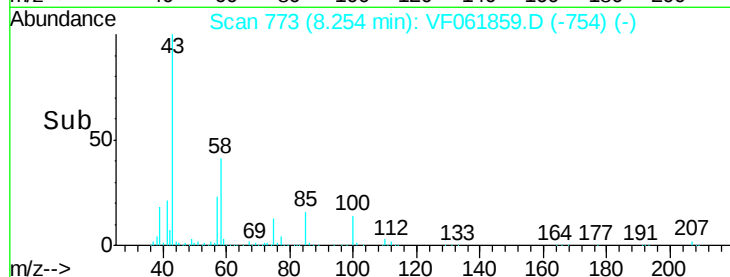
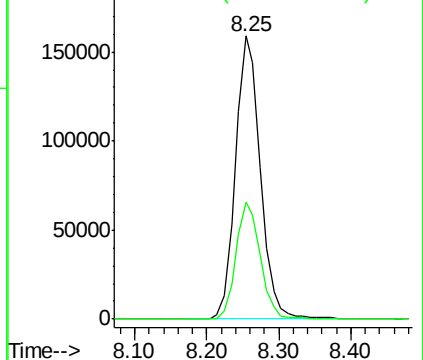
MMDadoda

3/8/2019 12:12:27 AM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 49.920 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.01 min

Lab File: VF061859.D

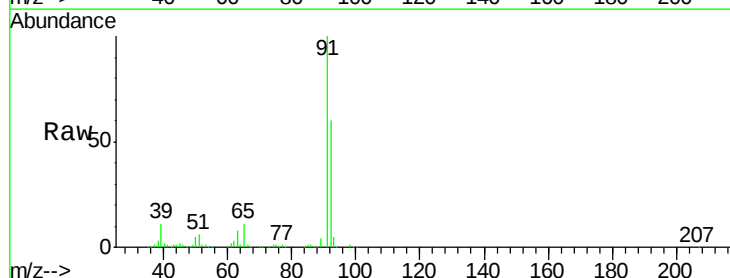
Acq: 5 Mar 2019 22:22

Tgt Ion: 92 Resp: 335133

Ion Ratio Lower Upper

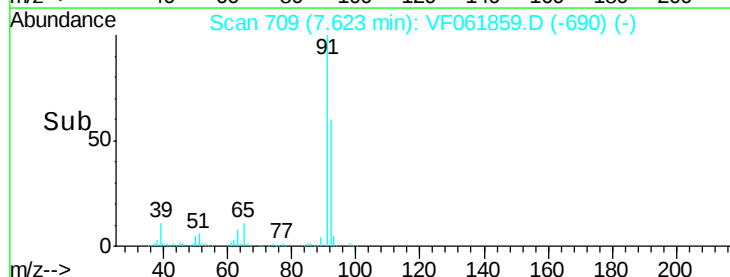
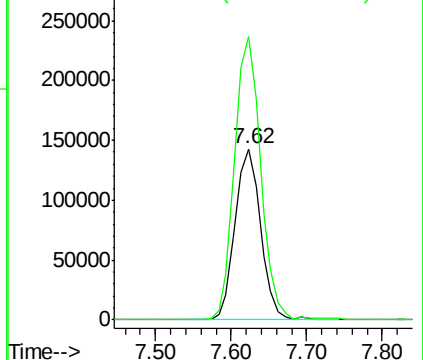
92 100

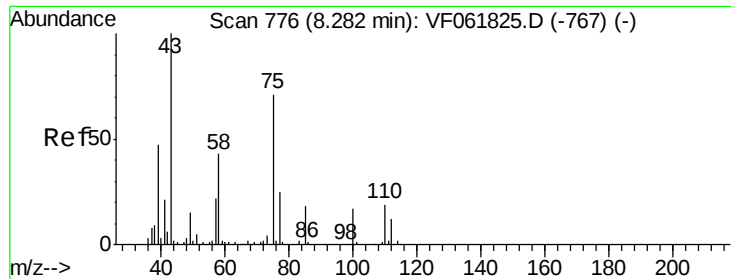
91 165.6 132.0 198.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





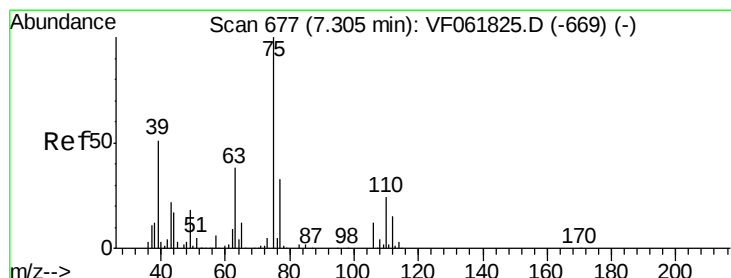
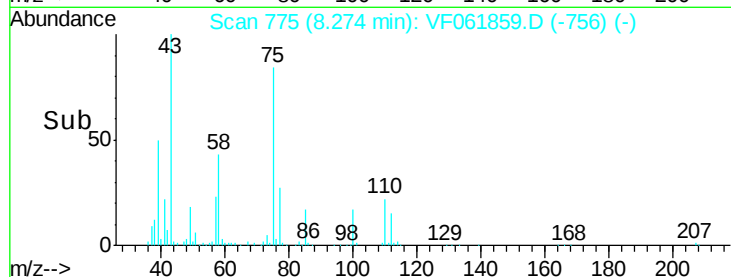
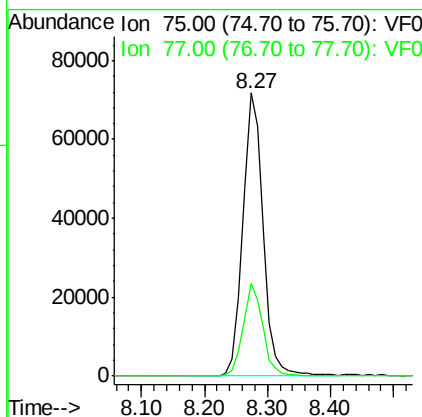
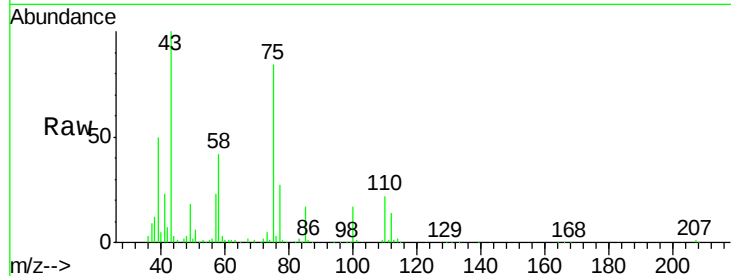
#53  
 t-1,3-Dichloropropene  
 Concen: 51.700 ug/l  
 RT: 8.27 min Scan# 775  
 Delta R.T. -0.01 min  
 Lab File: VF061859.D  
 Acq: 5 Mar 2019 22:22

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 32.5  | 28.0  | 42.0  |

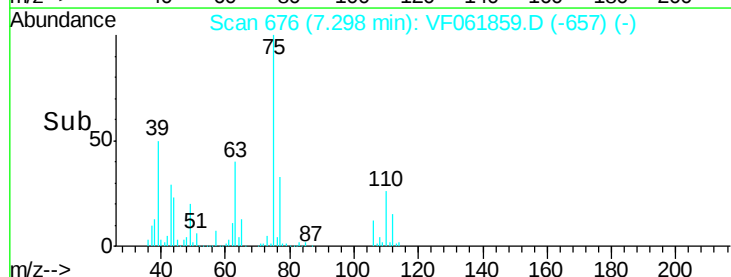
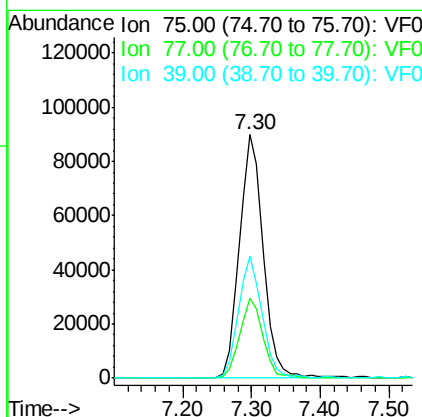
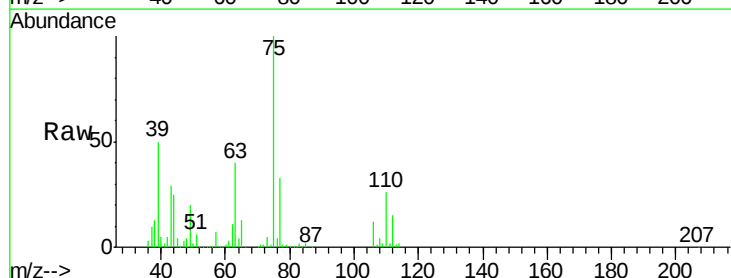
Manual Integrations  
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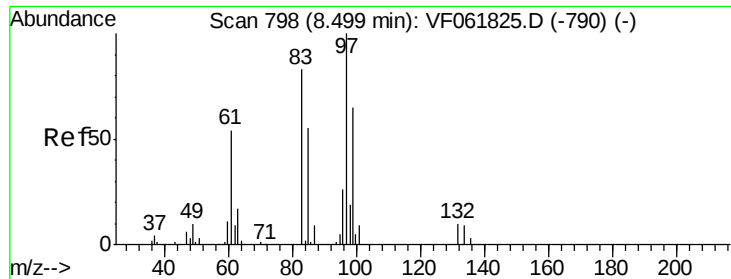
MMDadoda  
 3/8/2019 12:12:27 AM



#54  
 cis-1,3-Dichloropropene  
 Concen: 50.428 ug/l  
 RT: 7.30 min Scan# 676  
 Delta R.T. -0.01 min  
 Lab File: VF061859.D  
 Acq: 5 Mar 2019 22:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 32.5  | 26.3  | 39.5  |
| 39      | 50.1  | 40.8  | 61.2  |





#55

1,1,2-Trichloroethane

Concen: 52.300 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Instrument :

MSVOA\_F

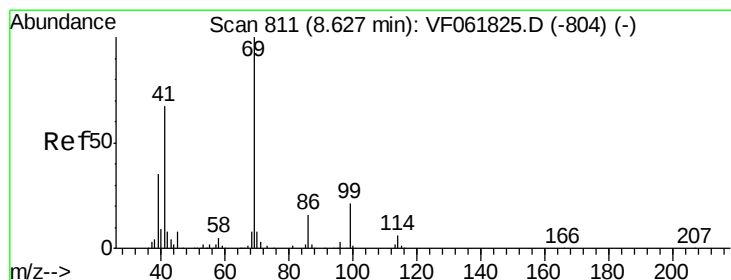
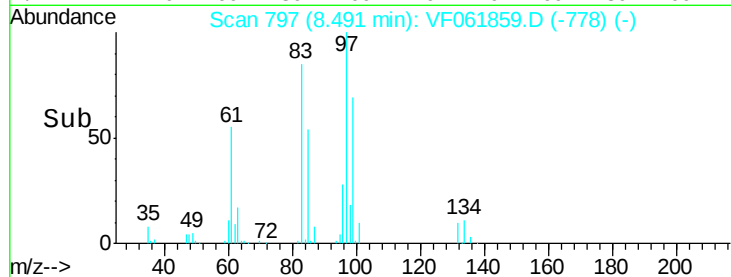
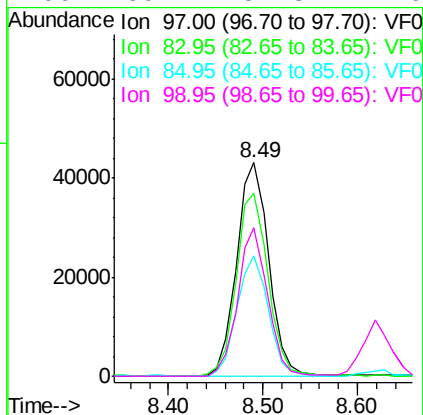
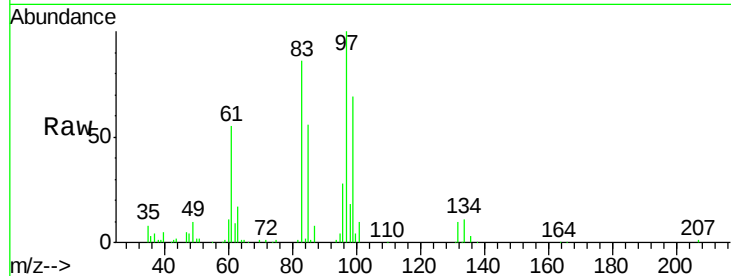
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 101163 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 85.9  | 66.5  | 99.7   |
| 85       | 56.2  | 44.2  | 66.2   |
| 99       | 69.4  | 51.8  | 77.6   |

Manual Integrations  
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#56

Ethyl methacrylate

Concen: 48.486 ug/l

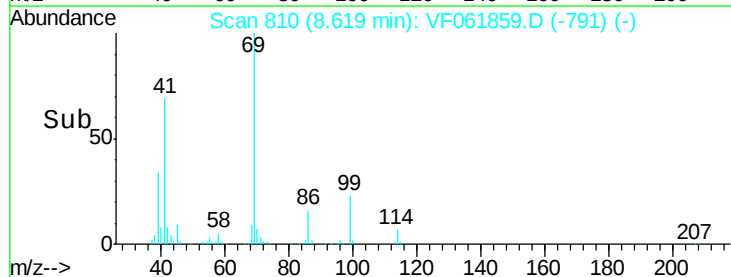
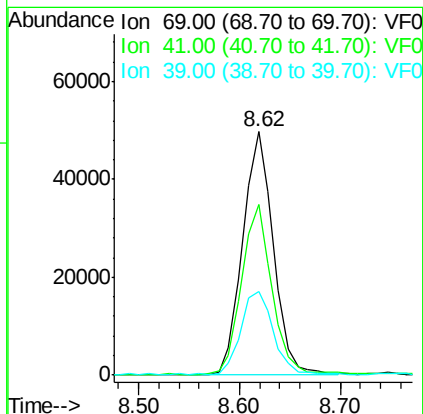
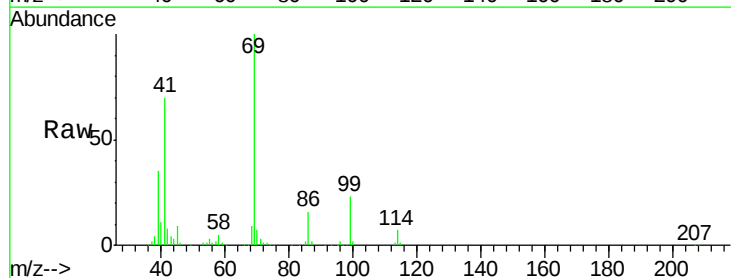
RT: 8.62 min Scan# 810

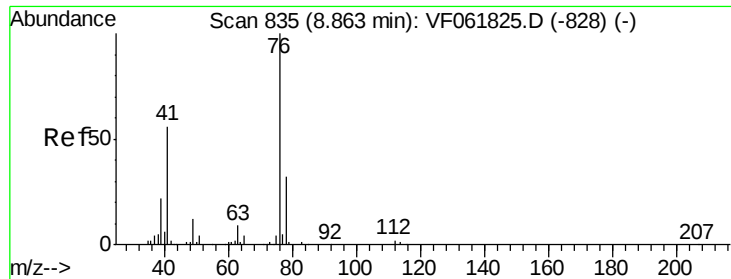
Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 105697 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 69.9  | 53.9  | 80.9   |
| 39       | 34.6  | 28.3  | 42.5   |





#57

1,3-Dichloropropane

Concen: 52.339 ug/l

RT: 8.86 min Scan# 834

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 165565

Ion Ratio Lower Upper

76 100

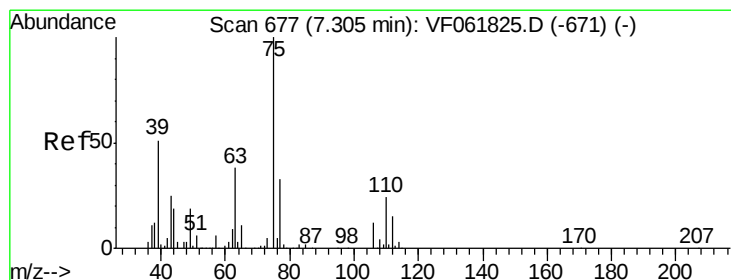
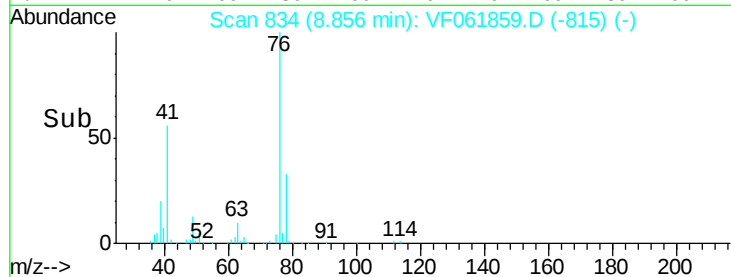
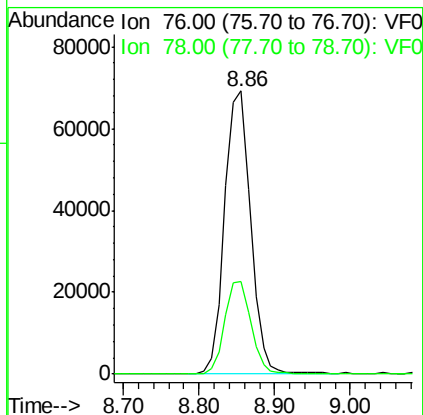
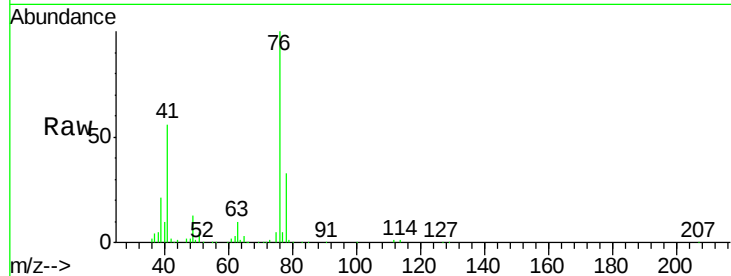
78 32.6 25.4 38.2

Manual Integrations

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3/8/2019 12:12:27 AM



#58

2-Chloroethyl Vinyl ether

Concen: 259.441 ug/l

RT: 7.30 min Scan# 676

Delta R.T. -0.01 min

Lab File: VF061859.D

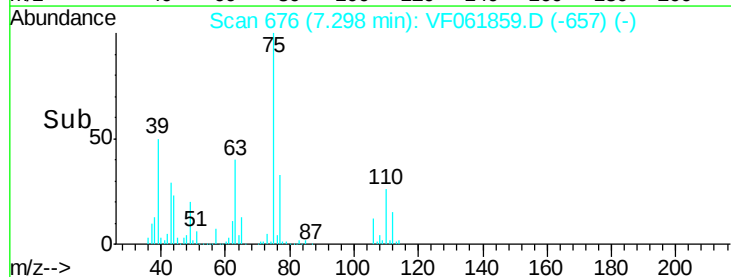
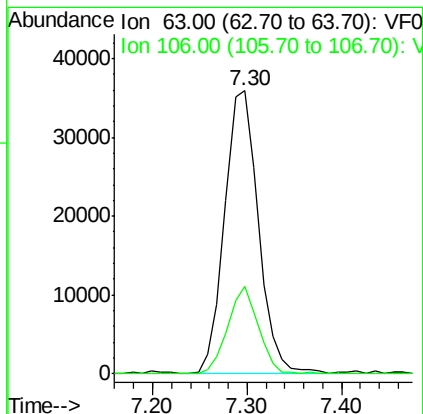
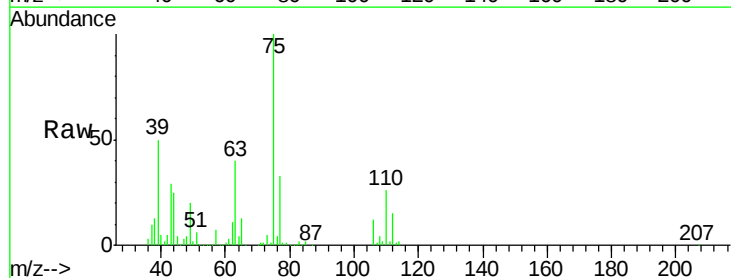
Acq: 5 Mar 2019 22:22

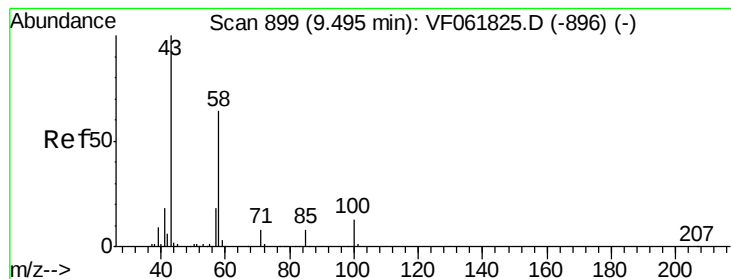
Tgt Ion: 63 Resp: 89467

Ion Ratio Lower Upper

63 100

106 31.0 24.3 36.5





#59

2-Hexanone

Concen: 221.331 ug/l

RT: 9.49 min Scan# 898

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 247887

Ion Ratio Lower Upper

43 100

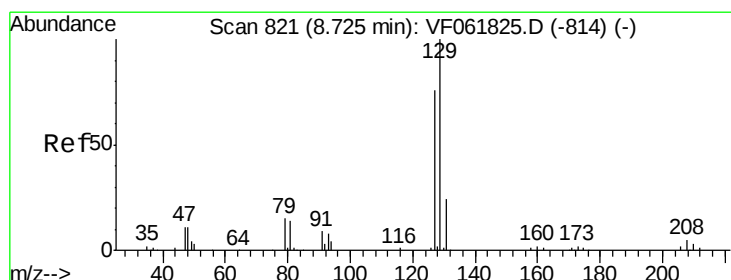
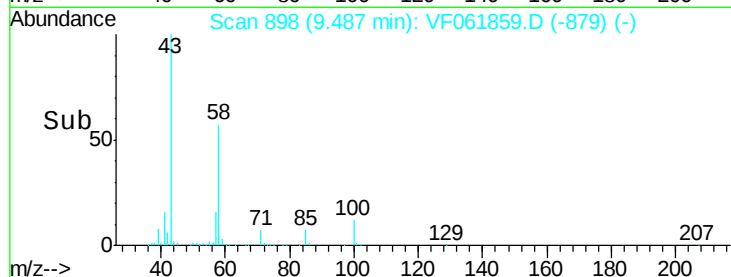
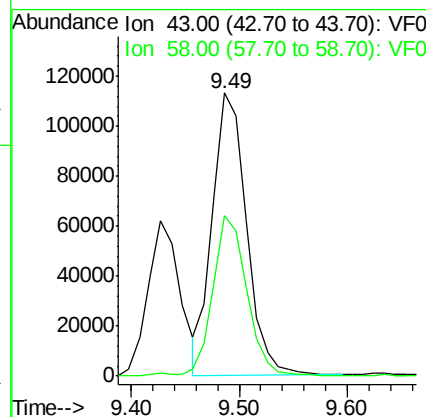
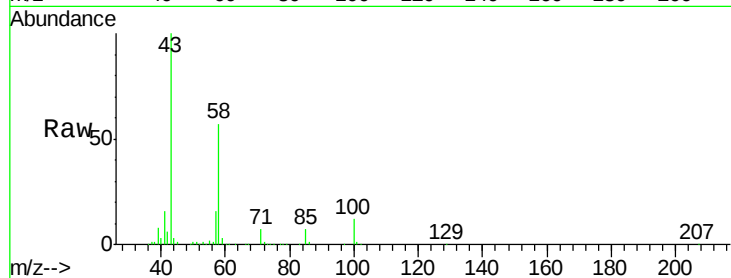
58 56.6 28.8 86.4

Manual Integrations

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#60

Dibromochloromethane

Concen: 53.966 ug/l

RT: 8.72 min Scan# 820

Delta R.T. -0.01 min

Lab File: VF061859.D

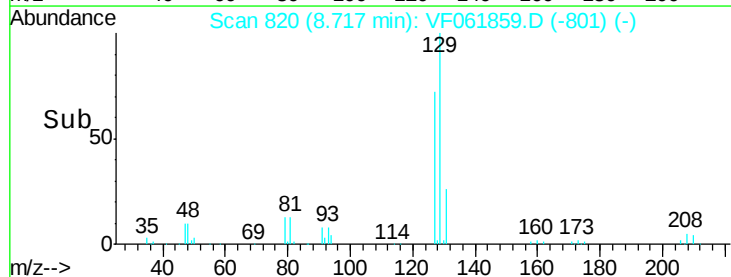
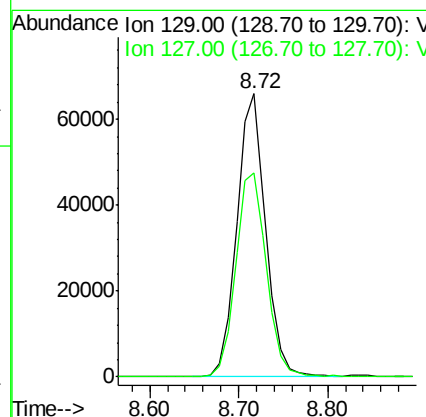
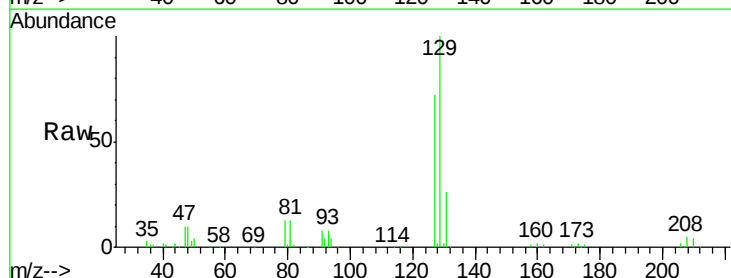
Acq: 5 Mar 2019 22:22

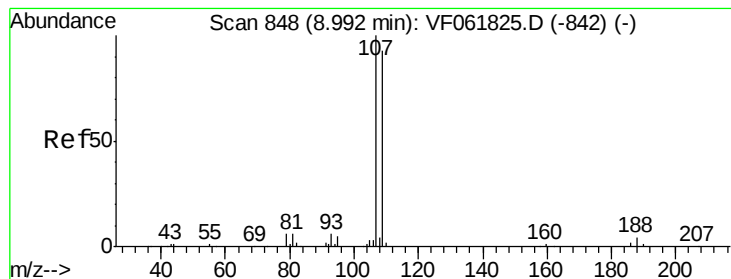
Tgt Ion: 129 Resp: 148777

Ion Ratio Lower Upper

129 100

127 72.2 38.2 114.6





#61

1,2-Dibromoethane

Concen: 53.220 ug/l

RT: 8.98 min Scan# 847

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 113204

Ion Ratio Lower Upper

107 100

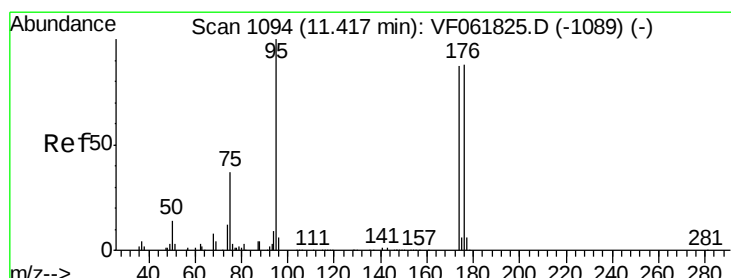
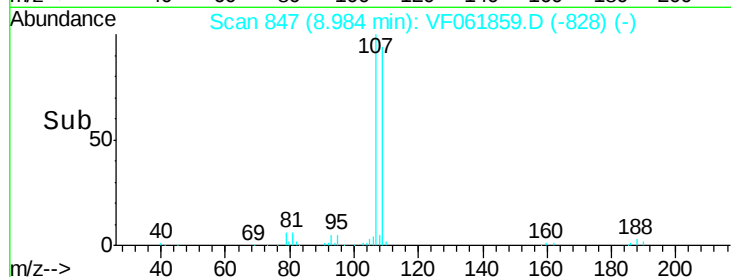
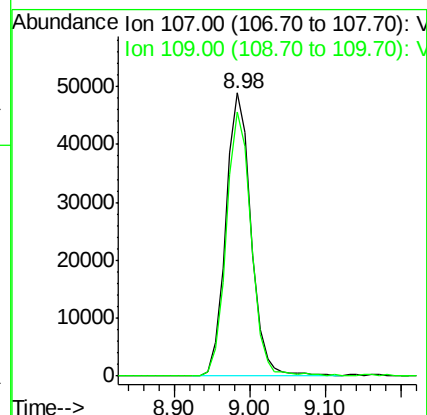
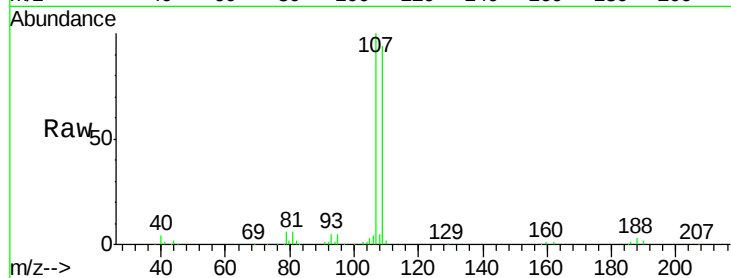
109 93.5 74.6 112.0

Manual Integrations

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3/8/2019 12:12:27 AM



#62

4-Bromofluorobenzene

Concen: 50.048 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

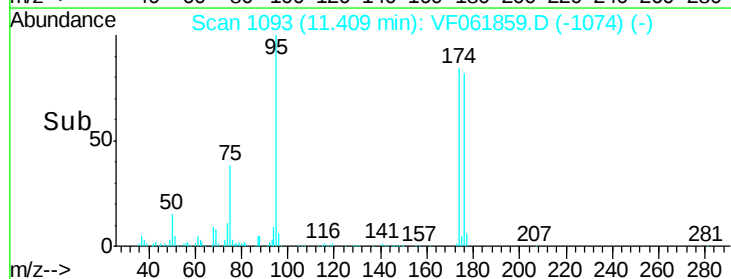
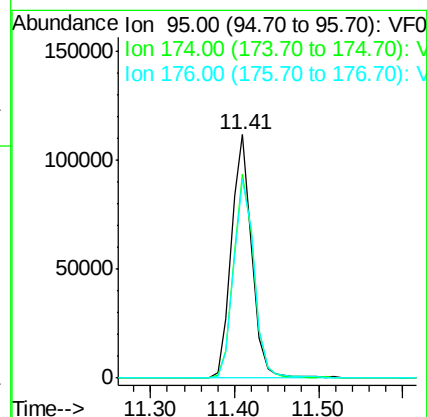
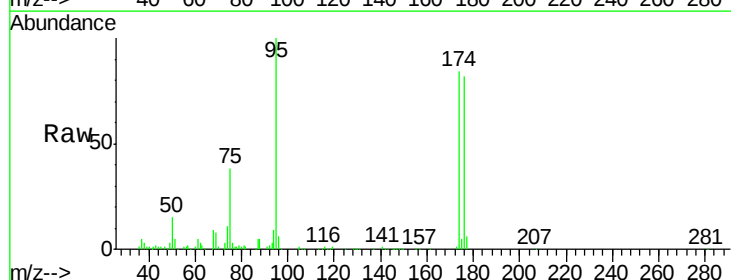
Tgt Ion: 95 Resp: 186908

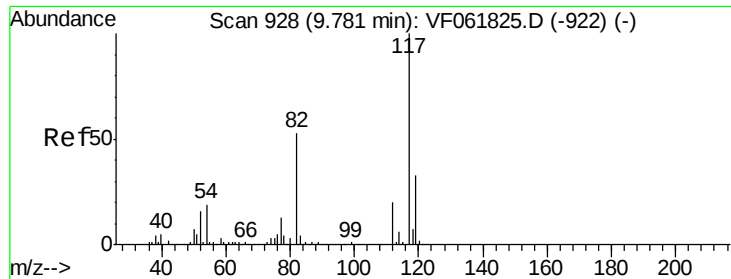
Ion Ratio Lower Upper

95 100

174 83.6 0.0 174.0

176 81.7 0.0 175.2





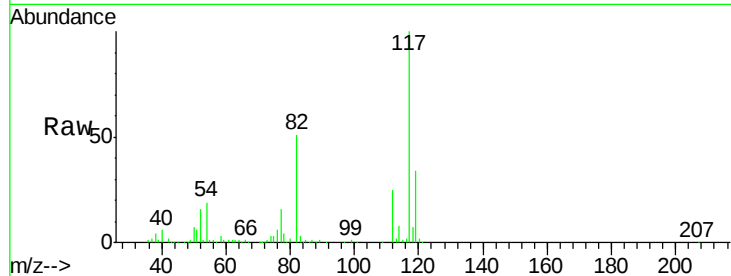
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.77 min Scan# 927  
Delta R.T. -0.01 min  
Lab File: VF061859.D  
Acq: 5 Mar 2019 22:22

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 50.8  | 42.6  | 63.8  |
| 119     | 34.0  | 26.0  | 39.0  |

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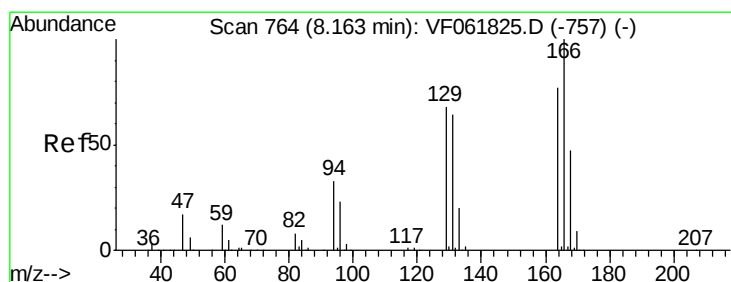
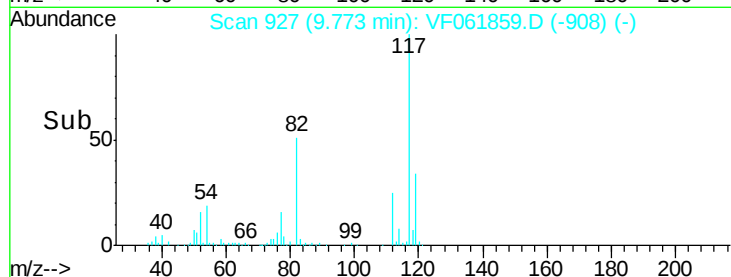
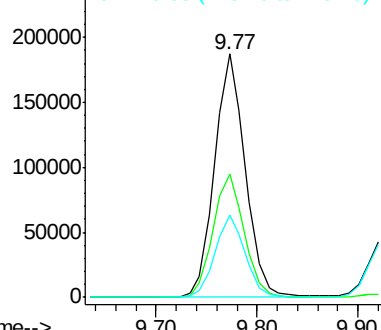


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#64  
Tetrachloroethene  
Concen: 55.601 ug/l  
RT: 8.16 min Scan# 763  
Delta R.T. -0.01 min  
Lab File: VF061859.D  
Acq: 5 Mar 2019 22:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 126.5 | 103.4 | 155.0 |
| 129     | 86.0  | 69.9  | 104.9 |
| 131     | 83.1  | 66.4  | 99.6  |

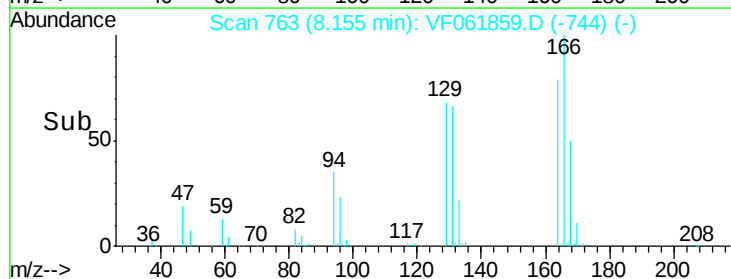
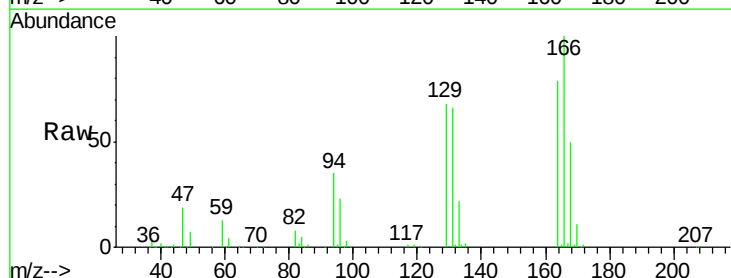
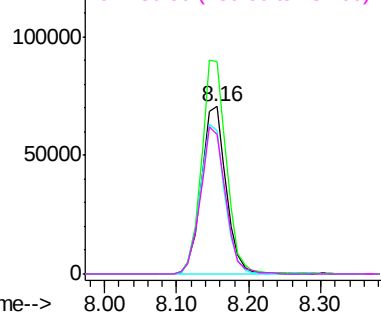
Abundance

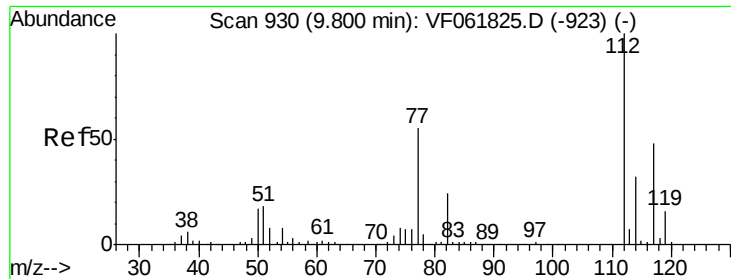
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





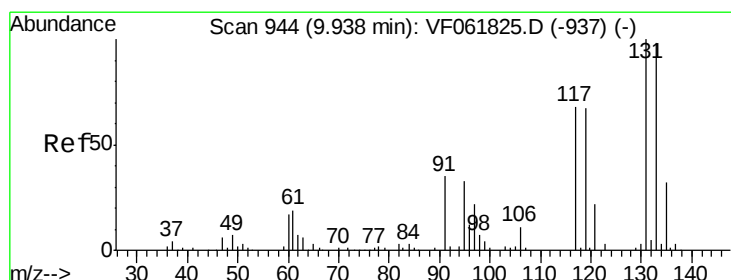
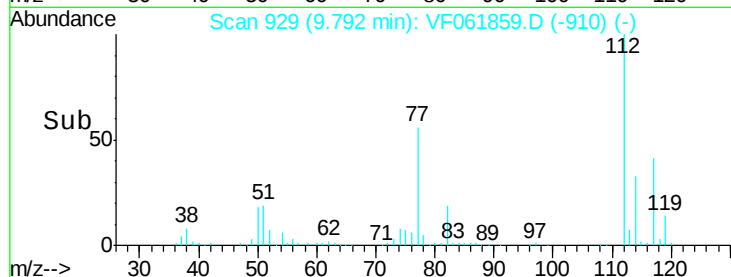
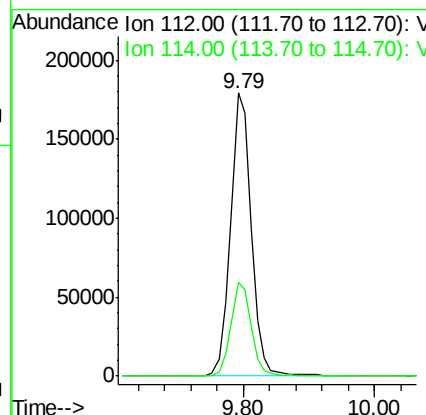
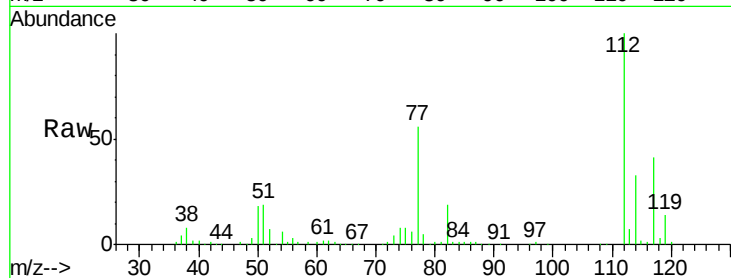
#65  
Chlorobenzene  
Concen: 52.081 ug/l  
RT: 9.79 min Scan# 929  
Delta R.T. -0.01 min  
Lab File: VF061859.D  
Acq: 5 Mar 2019 22:22

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:112 Resp: 396839  
Ion Ratio Lower Upper  
112 100  
114 33.0 25.5 38.3

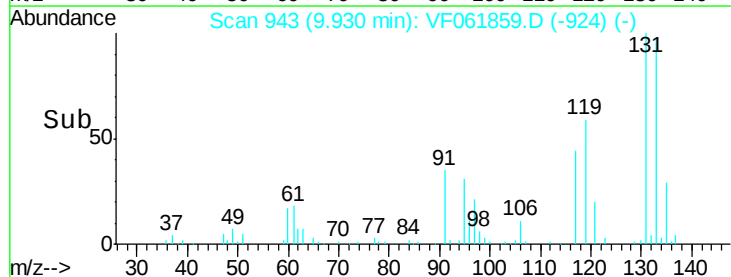
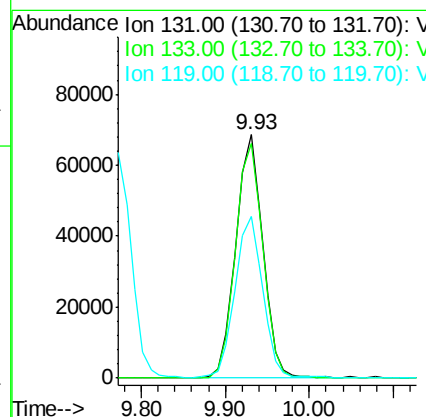
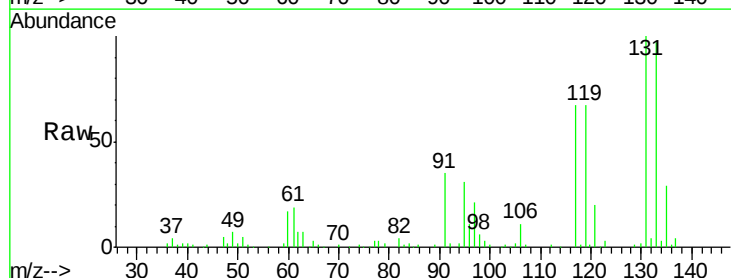
Manual Integrations  
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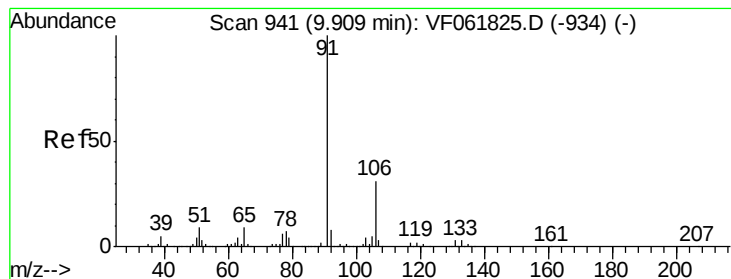
MMDadoda  
3/8/2019 12:12:27 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 52.081 ug/l  
RT: 9.93 min Scan# 943  
Delta R.T. -0.01 min  
Lab File: VF061859.D  
Acq: 5 Mar 2019 22:22

Tgt Ion:131 Resp: 153755  
Ion Ratio Lower Upper  
131 100  
133 96.6 48.9 146.7  
119 66.5 33.6 100.8





#67

Ethyl Benzene

Concen: 54.050 ug/l

RT: 9.90 min Scan# 940

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Instrument :

MSVOA\_F

ClientSampleID :

VSTDCCC050EC

Tot Ion: 91 Resp: 682618

Ion Ratio Lower Upper

91 100

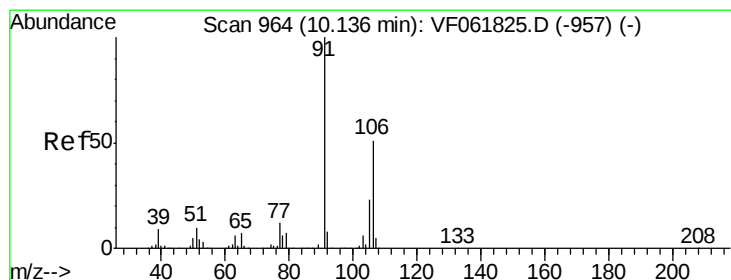
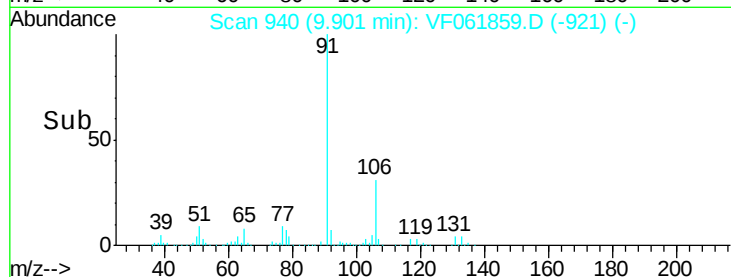
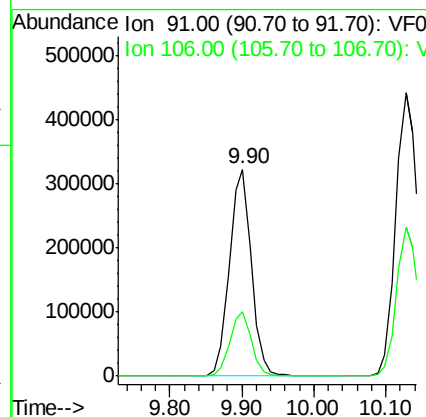
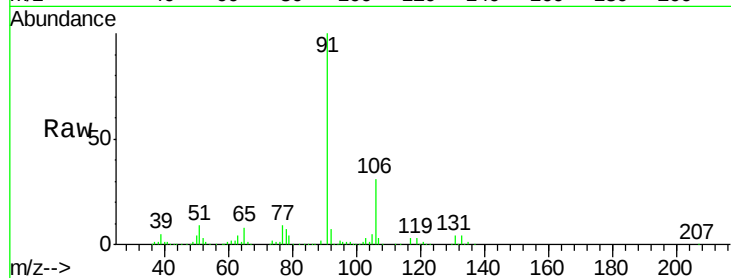
106 31.0 25.0 37.4

Manual Integrations

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MMDadoda

3/8/2019 12:12:27 AM



#68

m/p-Xylenes

Concen: 101.262 ug/l

RT: 10.13 min Scan# 963

Delta R.T. -0.01 min

Lab File: VF061859.D

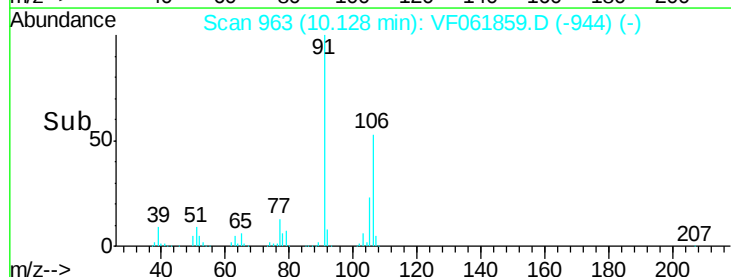
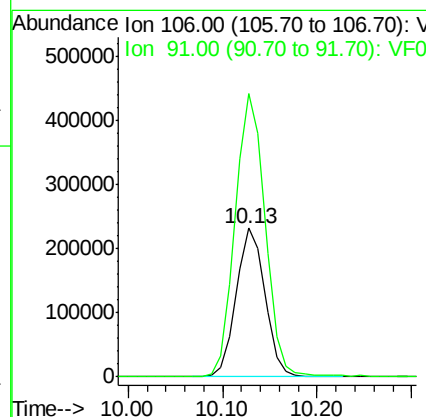
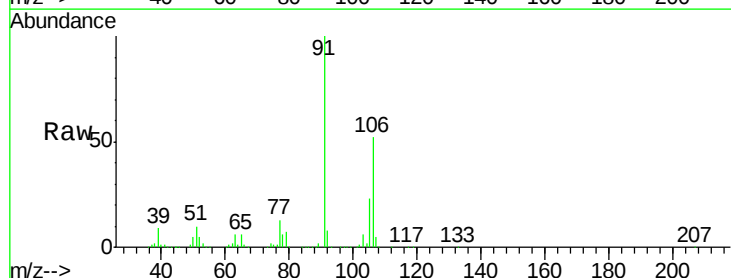
Acq: 5 Mar 2019 22:22

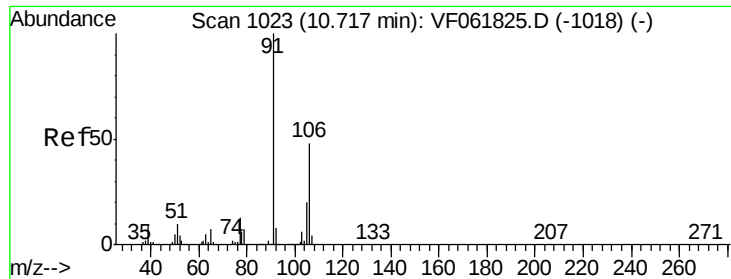
Tgt Ion: 106 Resp: 489920

Ion Ratio Lower Upper

106 100

91 190.6 157.5 236.3





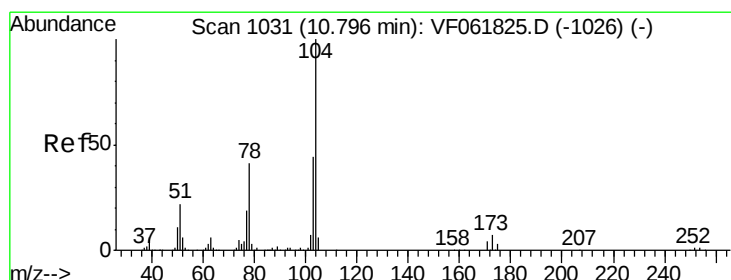
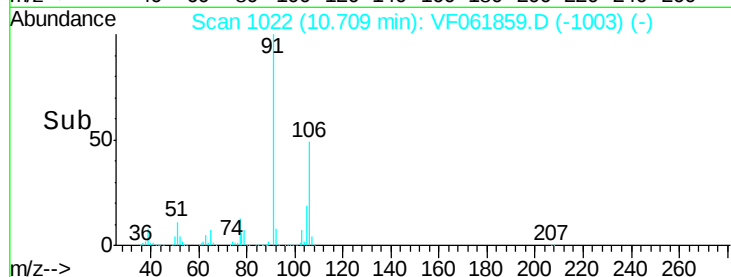
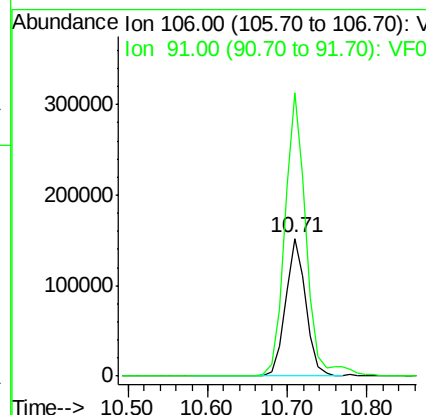
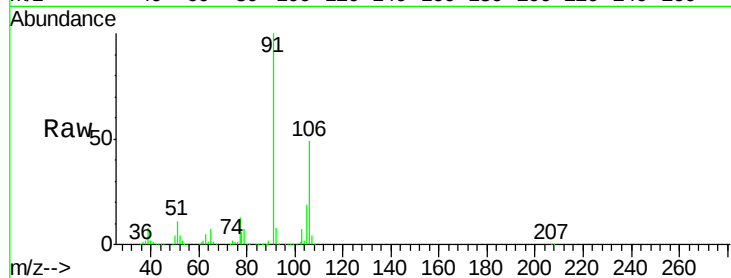
#69  
o-Xylene  
Concen: 51.922 ug/l  
RT: 10.71 min Scan# 1022  
Delta R.T. -0.01 min  
Lab File: VF061859.D  
Acq: 5 Mar 2019 22:22

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 106     | 100   |       |        |       |       |
| 91      | 205.9 | 103.5 | 270499 | 310.3 |       |

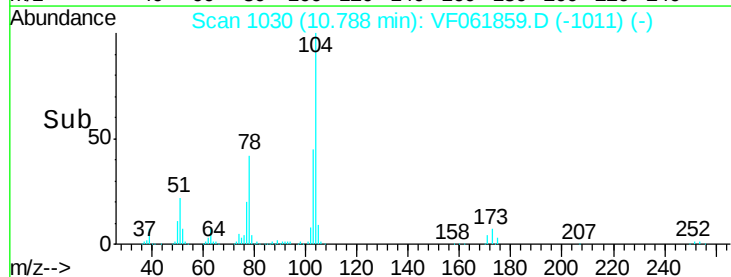
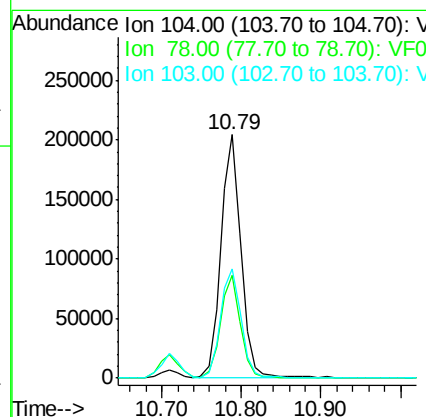
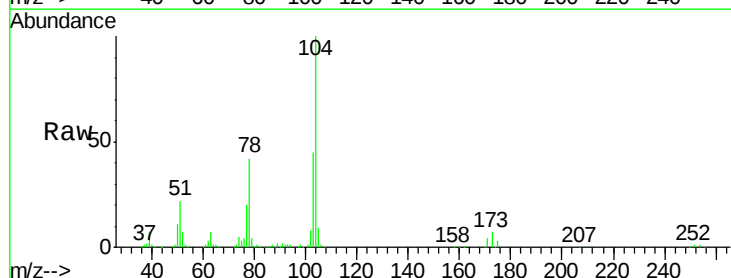
Manual Integrations  
APPROVED

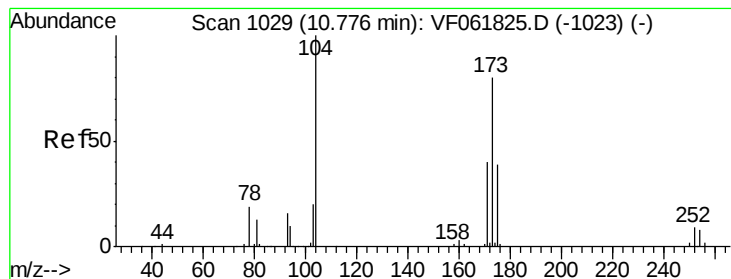
MMDadoda  
3/8/2019 12:12:27 AM



#70  
Styrene  
Concen: 49.544 ug/l  
RT: 10.79 min Scan# 1030  
Delta R.T. -0.01 min  
Lab File: VF061859.D  
Acq: 5 Mar 2019 22:22

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 104     | 100  |       |        |       |       |
| 78      | 42.3 | 33.3  | 363247 | 49.9  |       |
| 103     | 45.0 | 35.4  |        | 53.0  |       |





#71

Bromoform

Concen: 49.982 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 77987

Ion Ratio Lower Upper

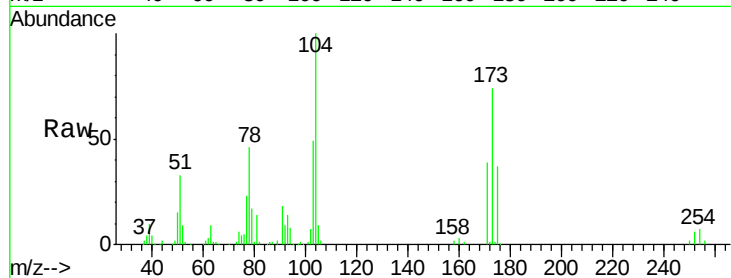
173 100

175 49.9 24.5 73.5

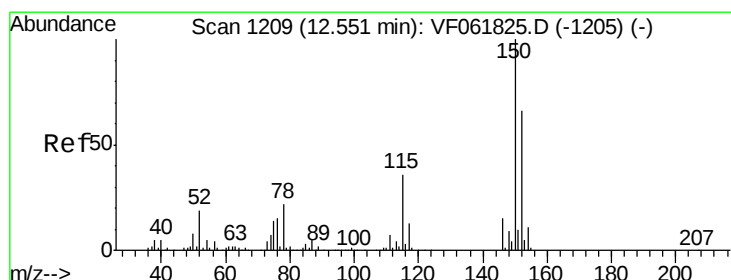
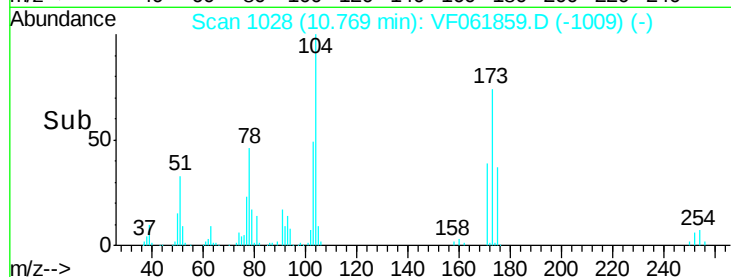
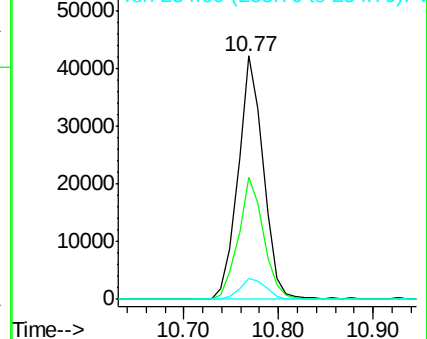
254 8.8 8.0 12.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. 0.00 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

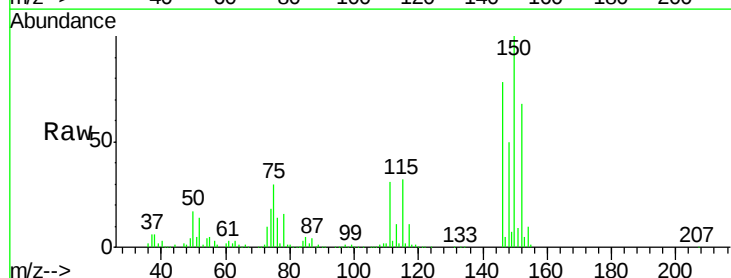
Tgt Ion:152 Resp: 213867

Ion Ratio Lower Upper

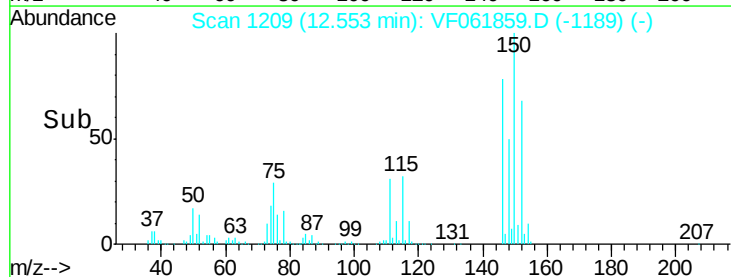
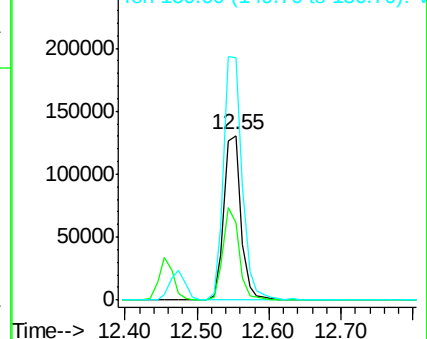
152 100

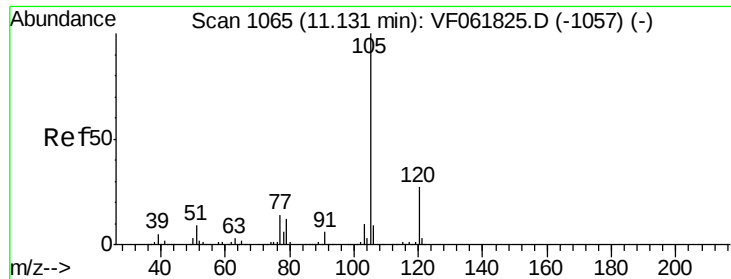
115 46.6 27.7 83.1

150 147.3 0.0 304.2



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





#73

Isopropylbenzene

Concen: 53.150 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 782551

Ion Ratio Lower Upper

105 100

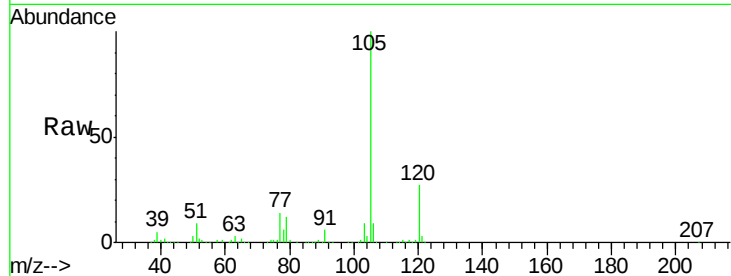
120 27.4 13.7 41.0

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.12

400000

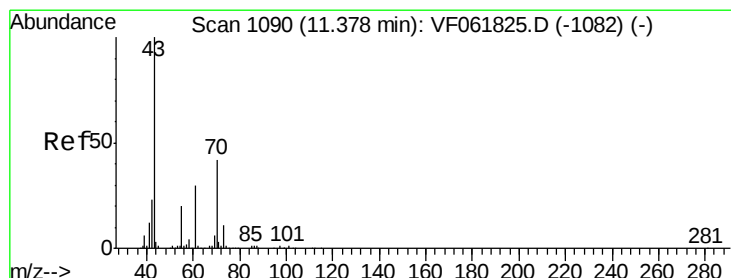
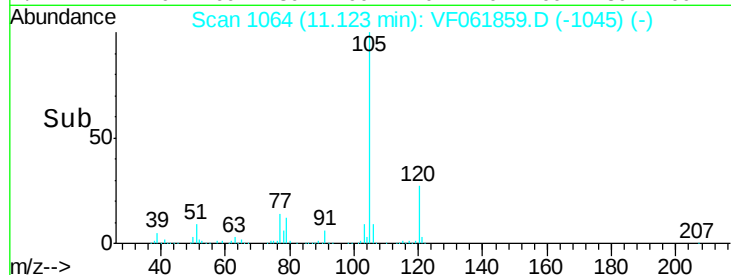
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 49.757 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Tgt Ion: 43 Resp: 168657

Ion Ratio Lower Upper

43 100

70 46.0 33.4 50.0

55 21.6 16.3 24.5

61 29.9 24.0 36.0

Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

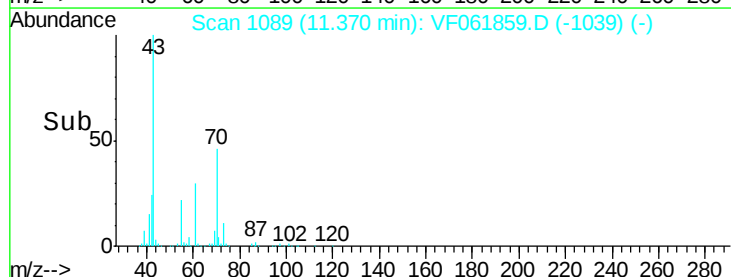
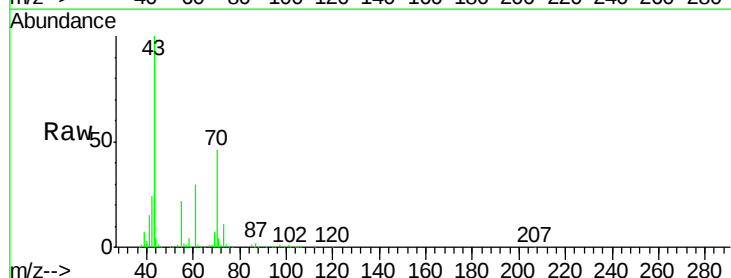
150000

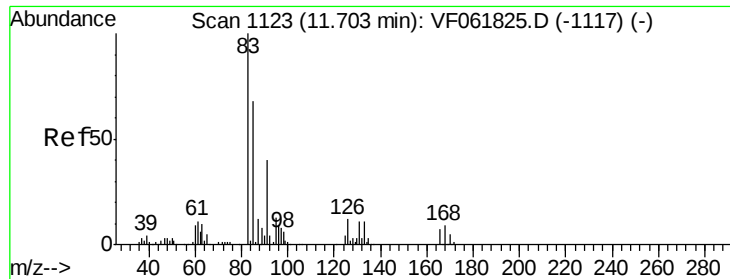
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.434 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 120970

Ion Ratio Lower Upper

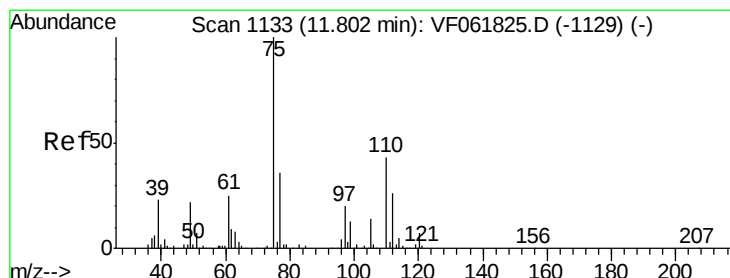
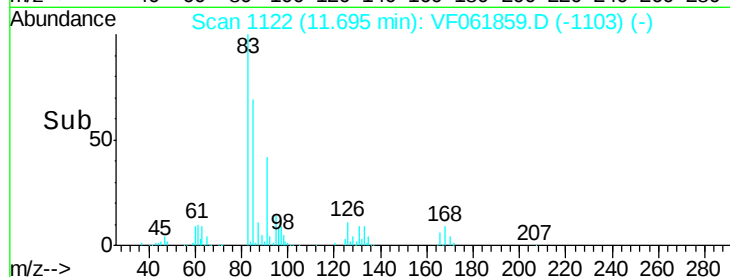
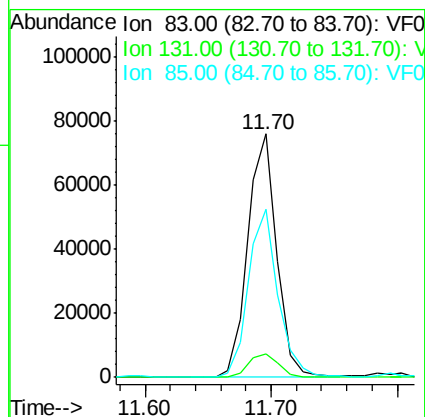
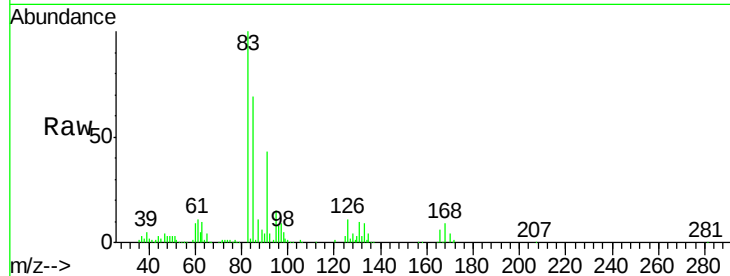
83 100

131 9.5 5.5 16.7

85 69.2 34.2 102.6

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 51.694 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. -0.01 min

Lab File: VF061859.D

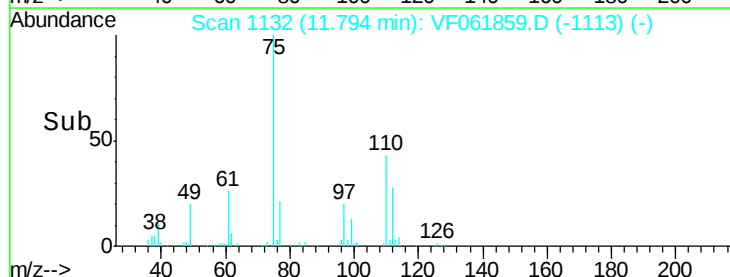
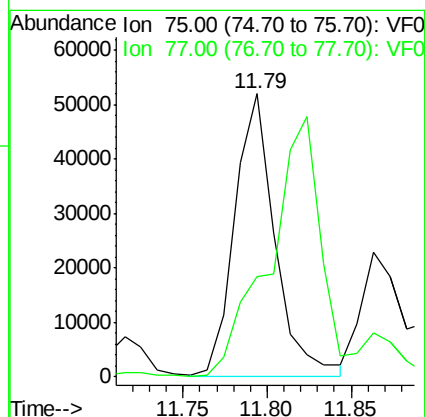
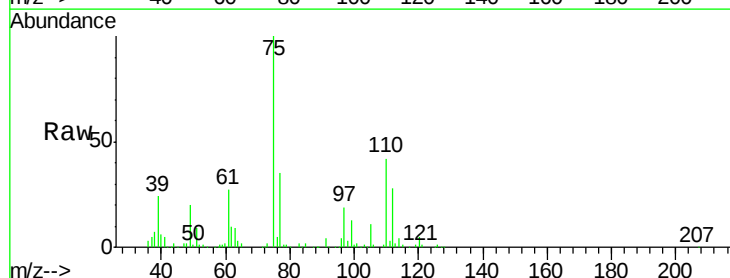
Acq: 5 Mar 2019 22:22

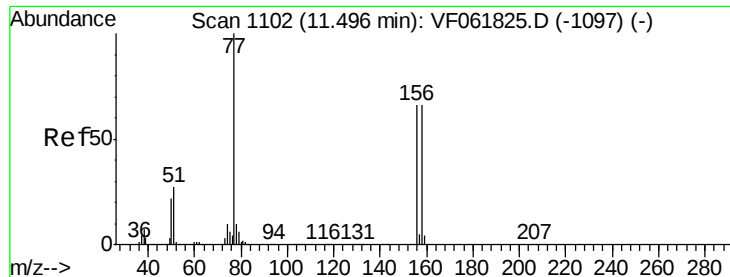
Tgt Ion: 75 Resp: 86337

Ion Ratio Lower Upper

75 100

77 35.2 18.1 54.4





#77

Bromobenzene

Concen: 51.937 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 184036

Ion Ratio Lower Upper

156 100

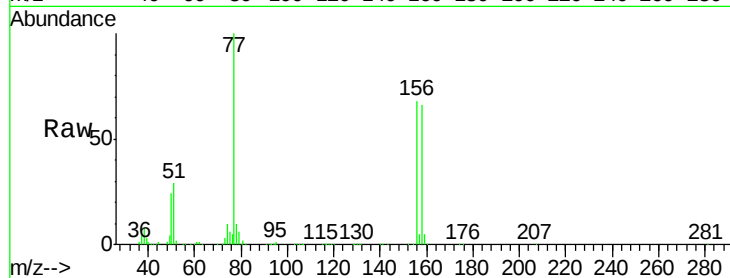
77 146.3 75.7 227.1

158 97.0 50.0 150.1

Manual Integrations  
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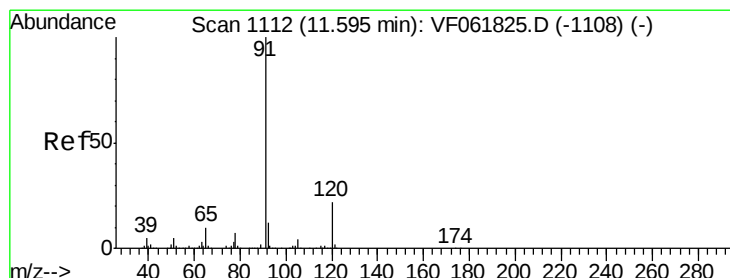
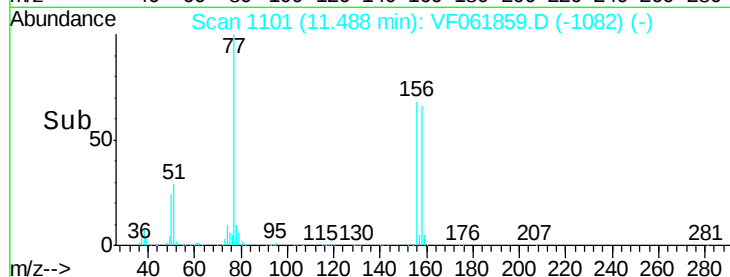
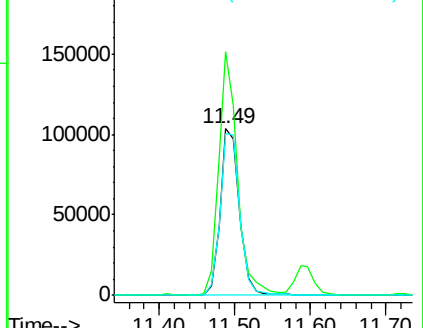
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 50.543 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VF061859.D

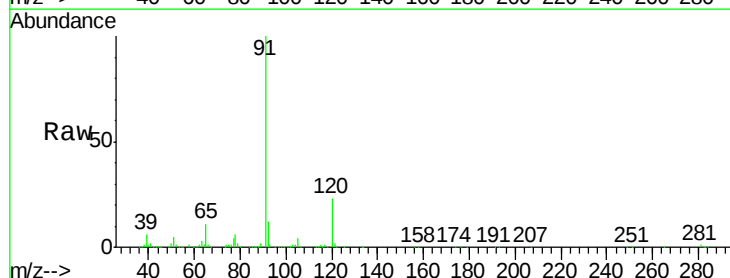
Acq: 5 Mar 2019 22:22

Tgt Ion: 91 Resp: 840389

Ion Ratio Lower Upper

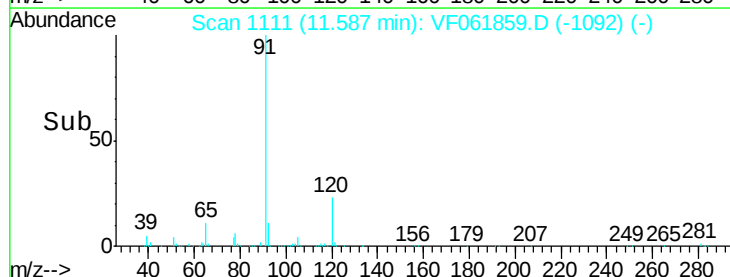
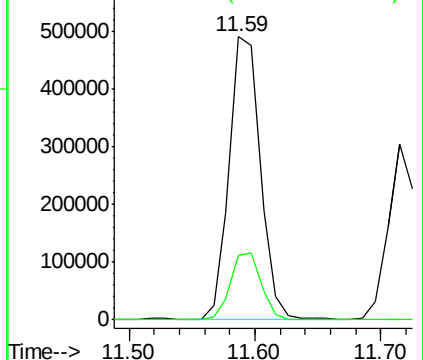
91 100

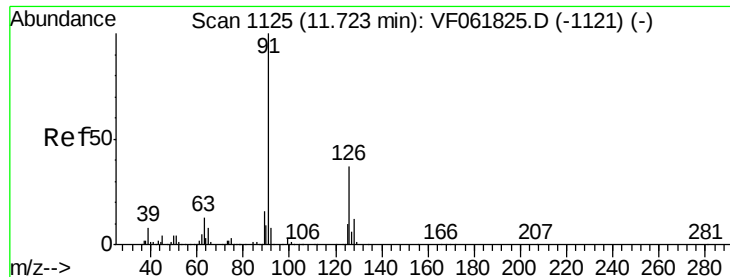
120 22.6 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





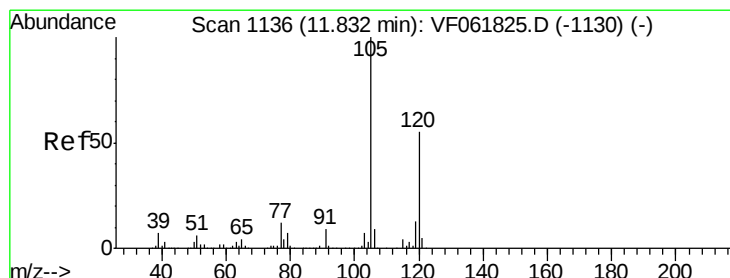
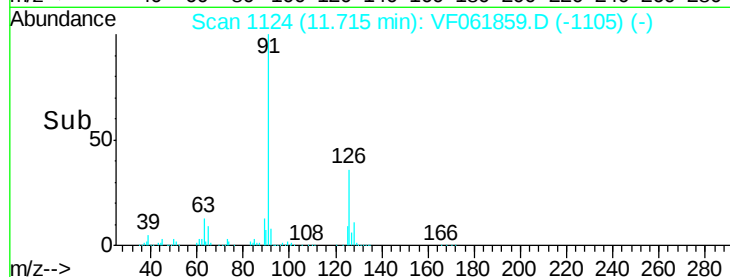
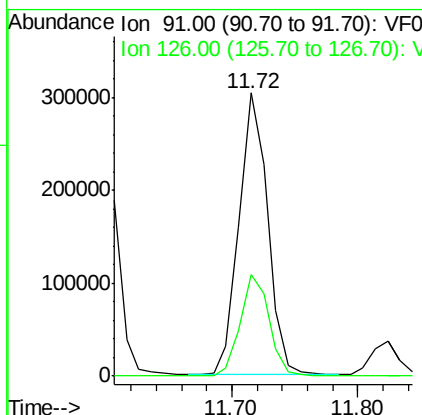
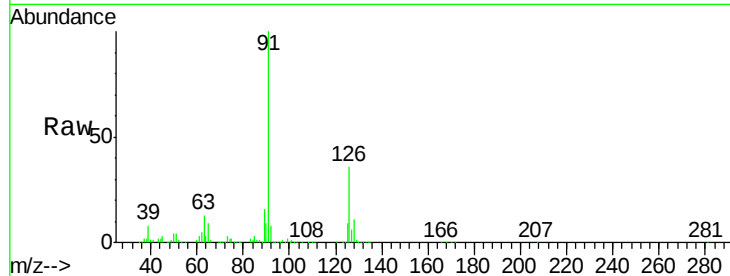
#79  
 2-Chlorotoluene  
 Concen: 50.198 ug/l  
 RT: 11.72 min Scan# 1124  
 Delta R.T. -0.01 min  
 Lab File: VF061859.D  
 Acq: 5 Mar 2019 22:22

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 91 Resp: 477184  
 Ion Ratio Lower Upper  
 91 100  
 126 35.7 18.1 54.4

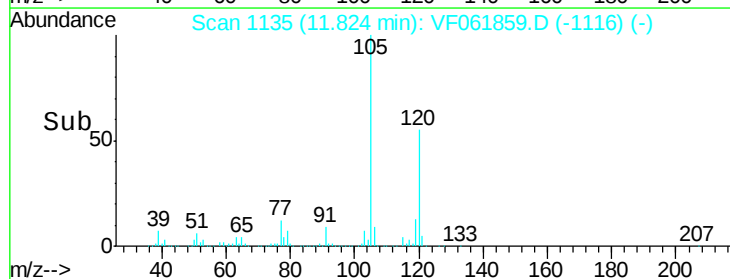
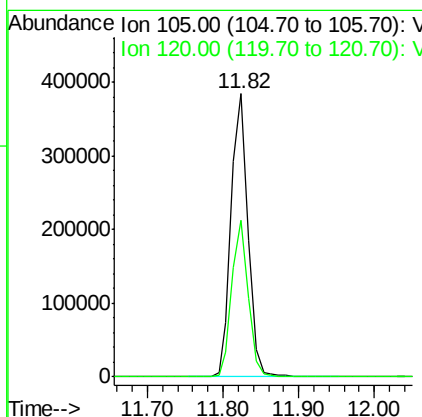
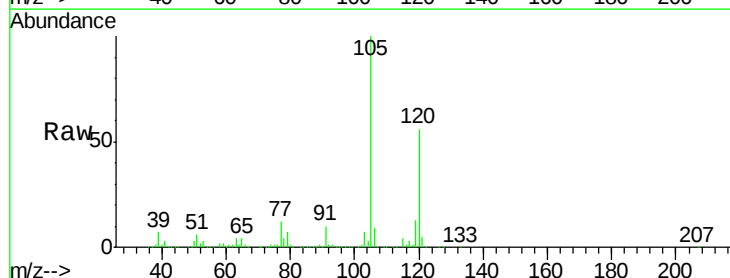
Manual Integrations  
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#80  
 1,3,5-Trimethylbenzene  
 Concen: 50.030 ug/l  
 RT: 11.82 min Scan# 1135  
 Delta R.T. -0.01 min  
 Lab File: VF061859.D  
 Acq: 5 Mar 2019 22:22

Tgt Ion: 105 Resp: 591411  
 Ion Ratio Lower Upper  
 105 100  
 120 55.6 27.4 82.2





#81

trans-1,4-Dichloro-2-butene

Concen: 46.249 ug/l m

RT: 11.86 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Instrument :

MSVOA\_F

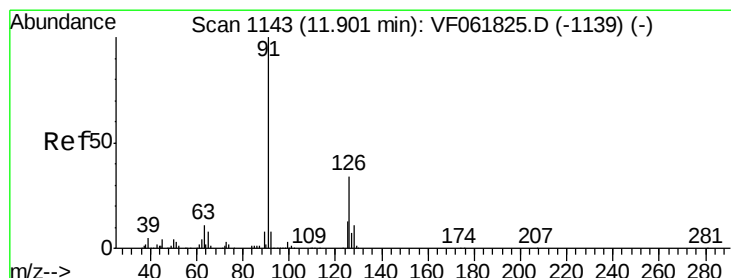
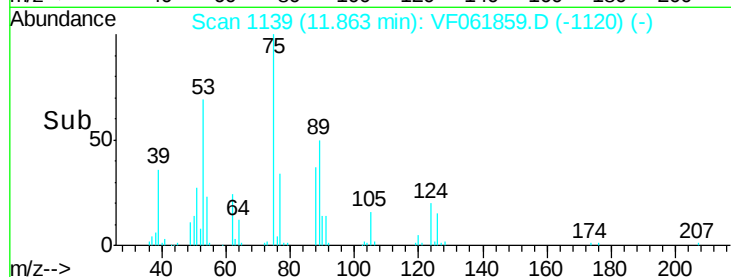
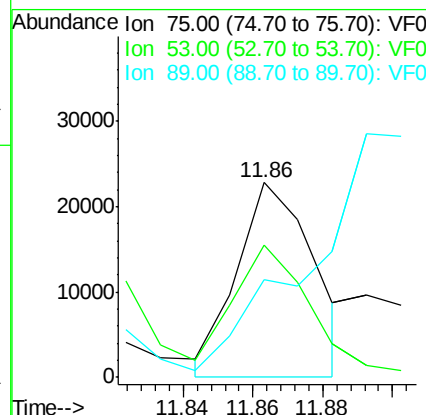
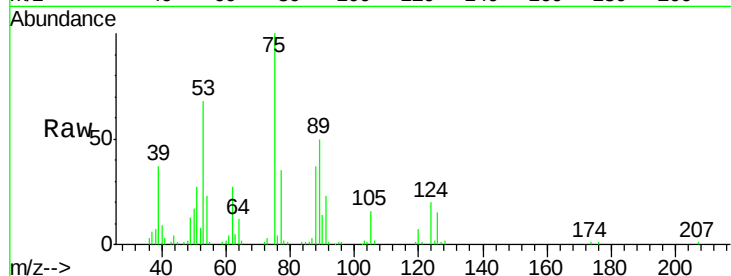
ClientSampleId :

VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 35321 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 68.1  | 58.6  | 88.0  |
| 89       | 50.0  | 41.4  | 62.0  |

Manual Integrations  
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#82

4-Chlorotoluene

Concen: 49.931 ug/l

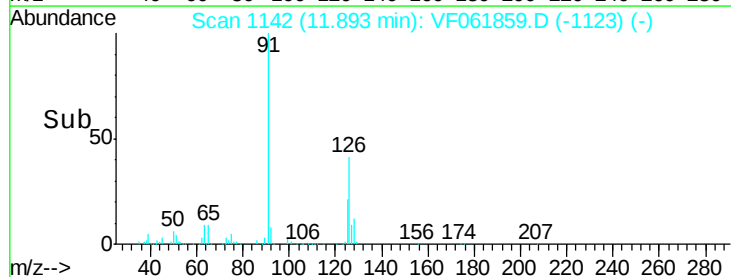
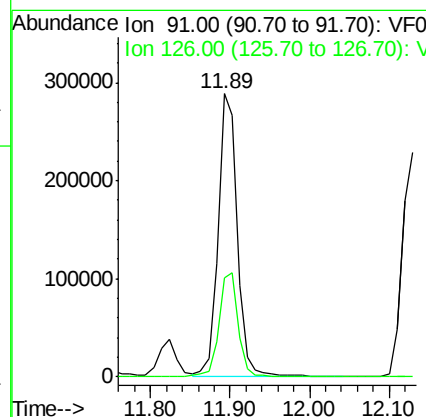
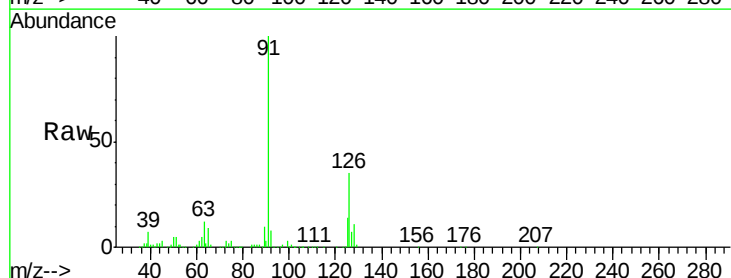
RT: 11.89 min Scan# 1142

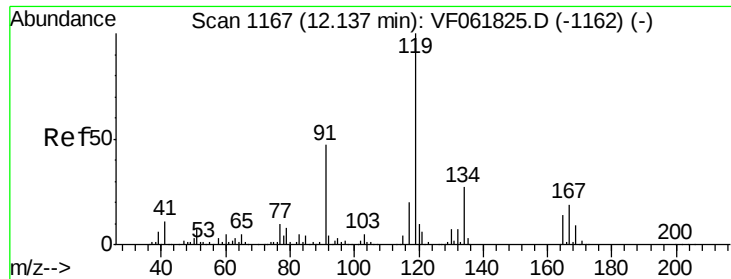
Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 485486 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 34.9  | 17.0  | 50.9   |





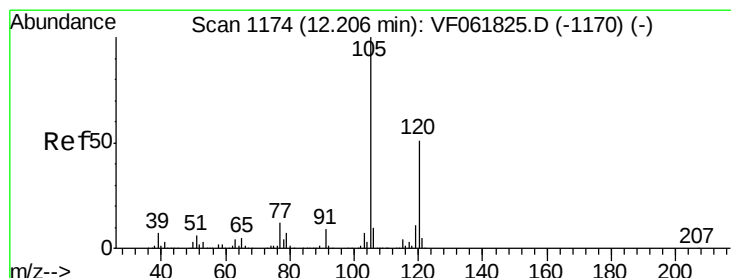
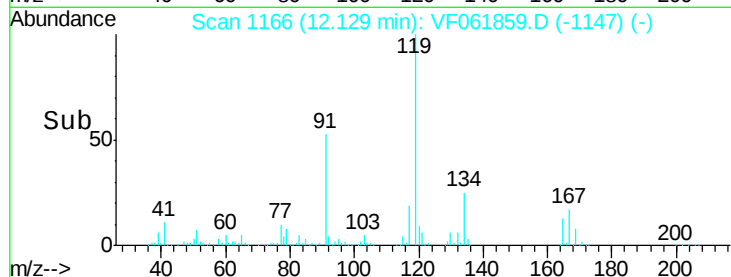
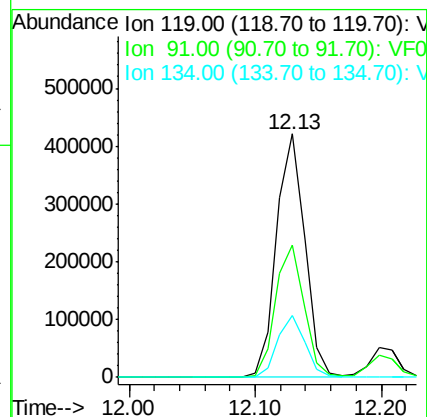
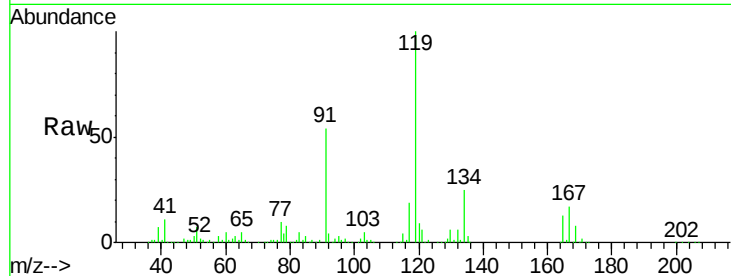
#83  
tert-Butylbenzene  
Concen: 52.629 ug/l  
RT: 12.13 min Scan# 1166  
Delta R.T. -0.01 min  
Lab File: VF061859.D  
Acq: 5 Mar 2019 22:22

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 54.5  | 23.5  | 70.5  |
| 134     | 25.3  | 13.3  | 39.8  |

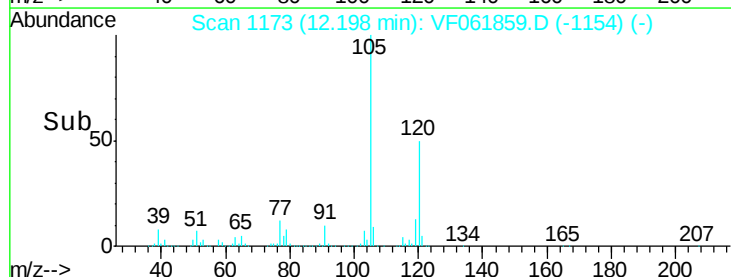
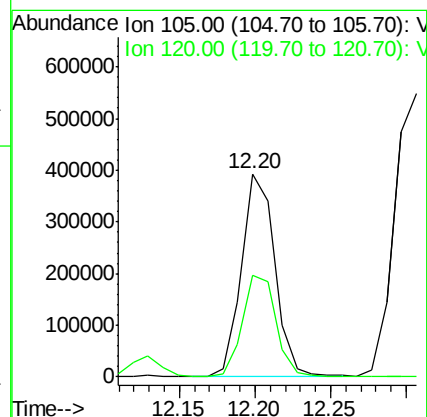
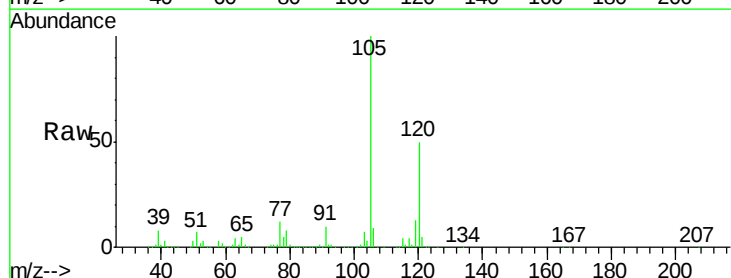
Manual Integrations  
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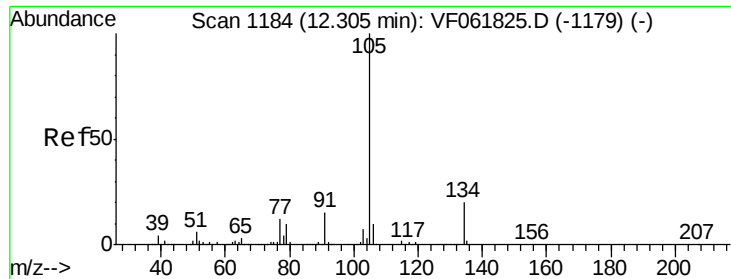
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3/8/2019 12:12:27 AM



#84  
1,2,4-Trimethylbenzene  
Concen: 51.952 ug/l  
RT: 12.20 min Scan# 1173  
Delta R.T. -0.01 min  
Lab File: VF061859.D  
Acq: 5 Mar 2019 22:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 50.3  | 25.8  | 77.4  |





#85

sec-Butylbenzene

Concen: 52.762 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 861845

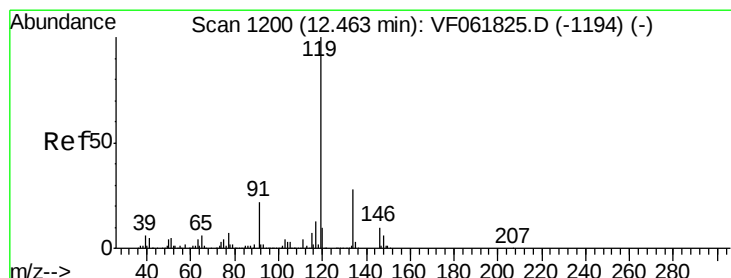
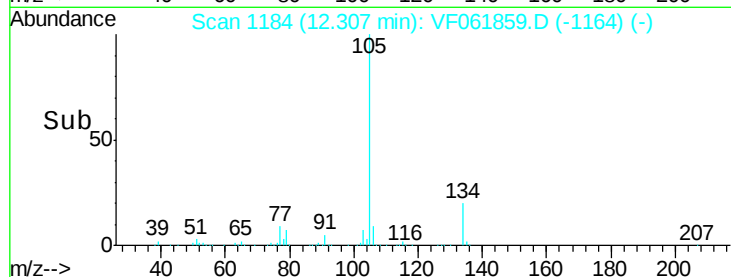
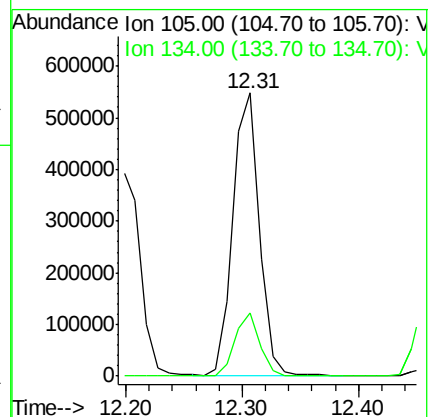
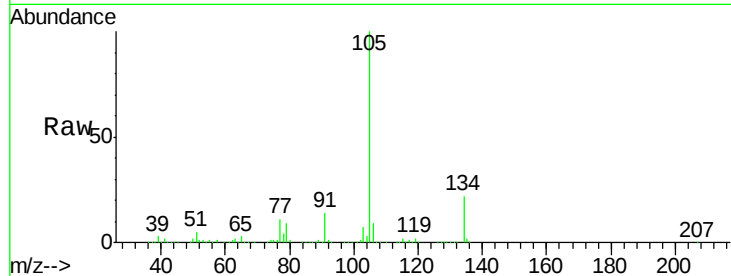
Ion Ratio Lower Upper

105 100

134 22.4 9.8 29.5

Manual Integrations  
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3/8/2019 12:12:27 AM



#86

p-Isopropyltoluene

Concen: 51.603 ug/l

RT: 12.45 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

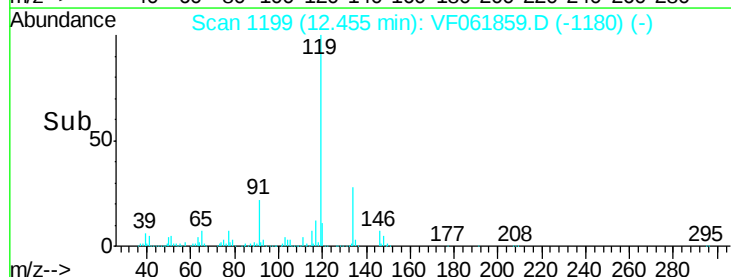
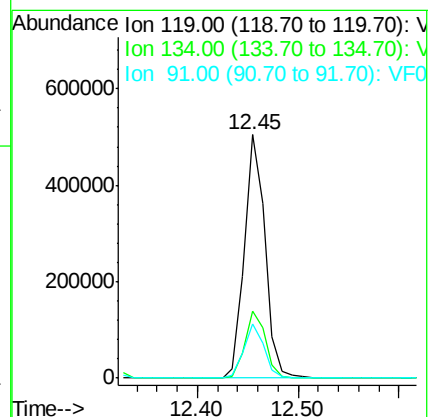
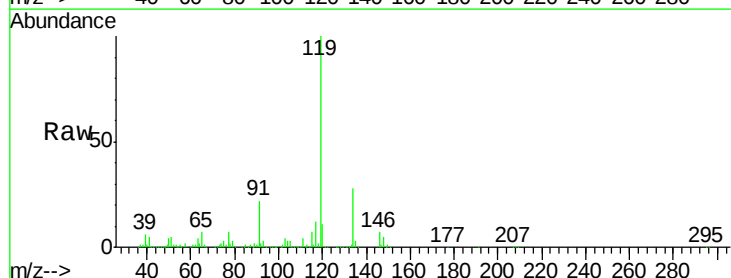
Tgt Ion:119 Resp: 716502

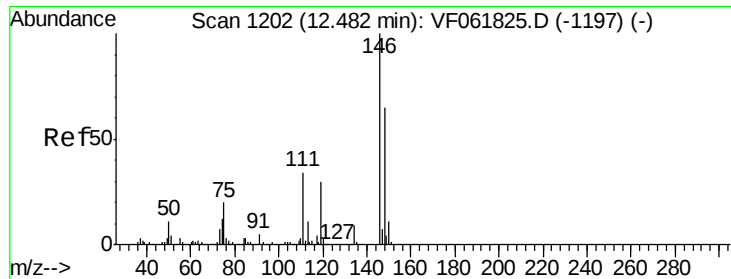
Ion Ratio Lower Upper

119 100

134 27.6 14.0 42.0

91 22.0 11.1 33.3





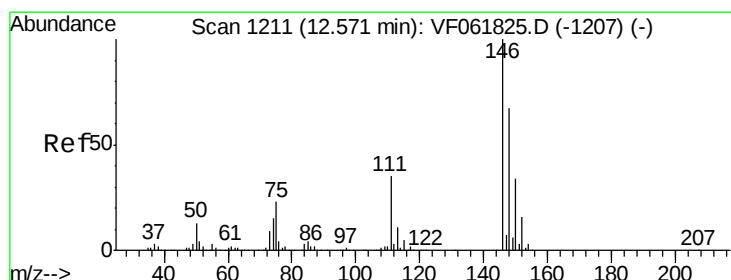
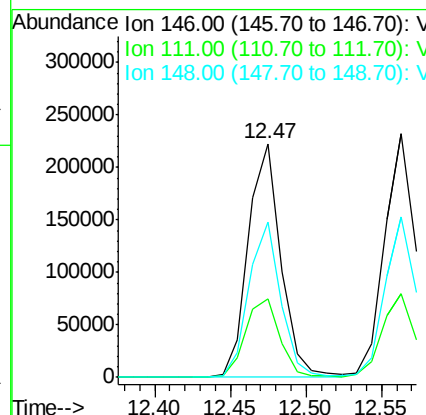
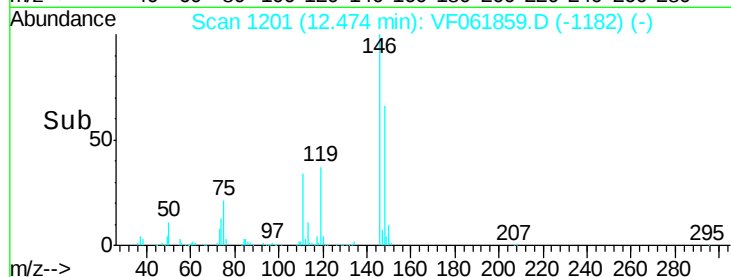
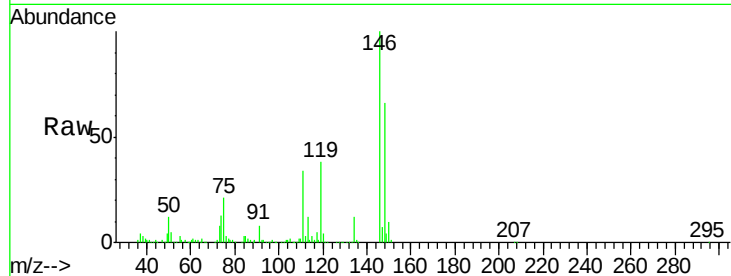
#87  
 1,3-Dichlorobenzene  
 Concen: 50.016 ug/l  
 RT: 12.47 min Scan# 1201  
 Delta R.T. -0.01 min  
 Lab File: VF061859.D  
 Acq: 5 Mar 2019 22:22

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 33.6  | 17.0  | 51.0  |
| 148     | 66.2  | 32.5  | 97.5  |

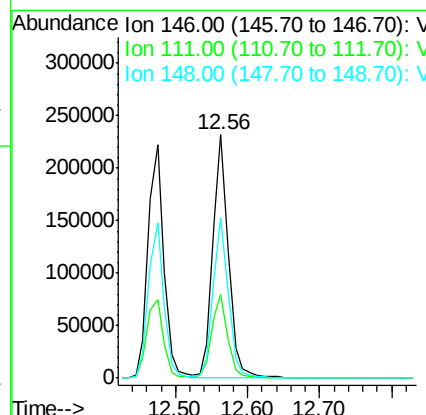
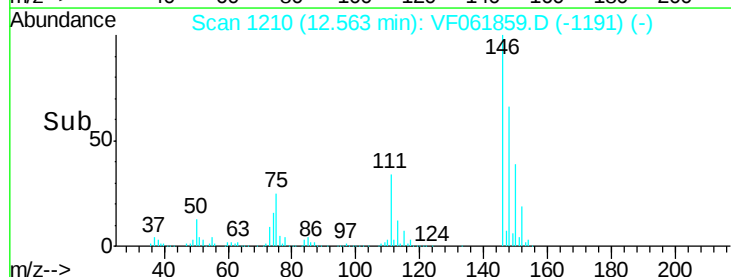
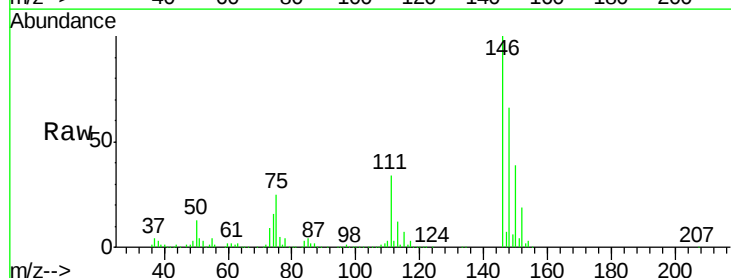
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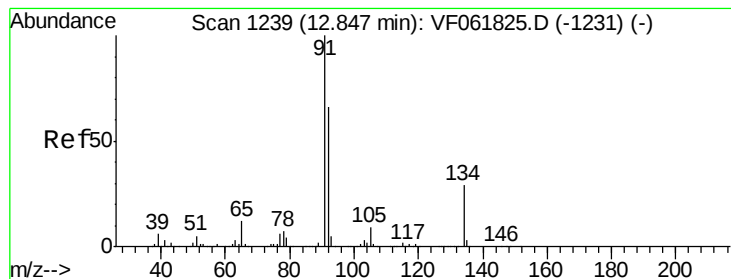
MMDadoda  
 3/8/2019 12:12:27 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 53.571 ug/l  
 RT: 12.56 min Scan# 1210  
 Delta R.T. -0.01 min  
 Lab File: VF061859.D  
 Acq: 5 Mar 2019 22:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 34.4  | 17.6  | 52.9  |
| 148     | 66.0  | 33.5  | 100.4 |





#89

n-Butylbenzene

Concen: 50.699 ug/l

RT: 12.84 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Instrument :

MSVOA\_F

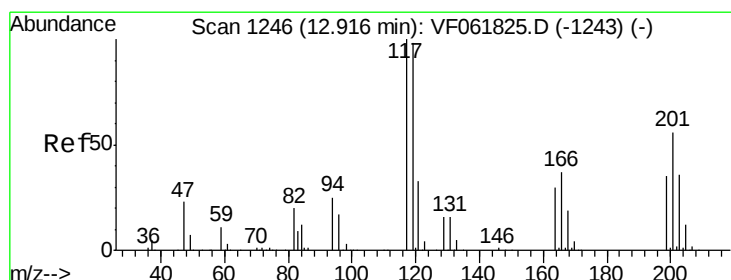
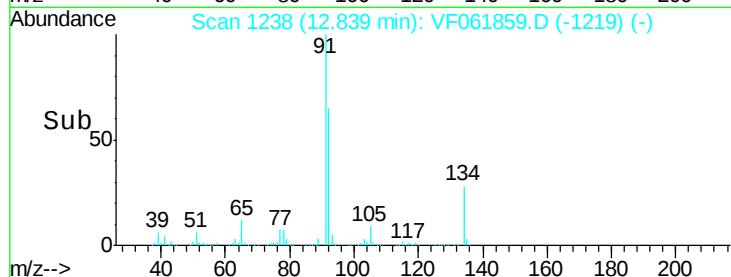
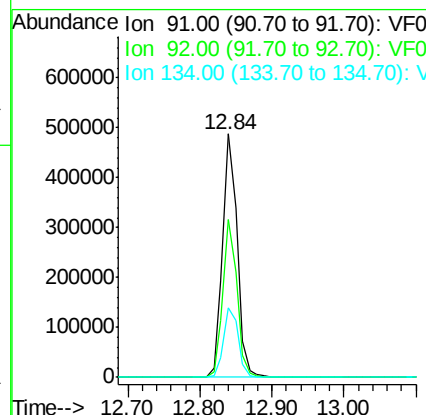
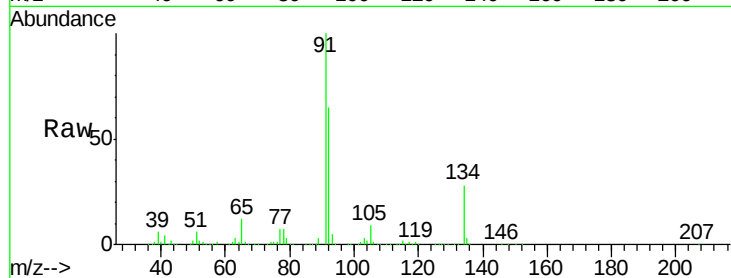
ClientSampleId :

VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 65.1  | 32.9  | 98.6  |
| 134     | 28.4  | 14.5  | 43.6  |

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#90

Hexachloroethane

Concen: 52.450 ug/l

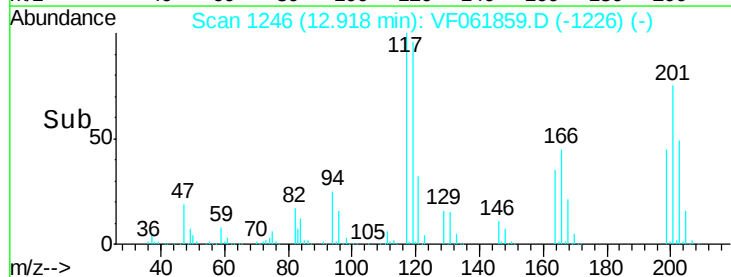
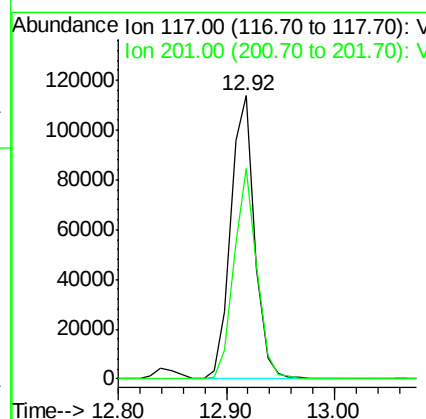
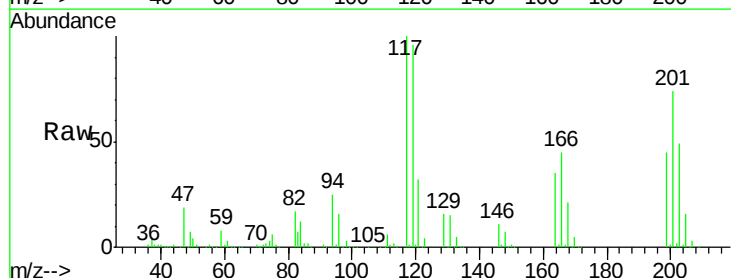
RT: 12.92 min Scan# 1246

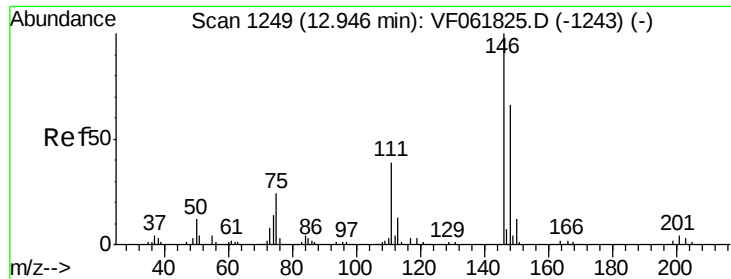
Delta R.T. 0.00 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 74.5  | 27.8  | 83.4  |





#91

1,2-Dichlorobenzene

Concen: 50.490 ug/l

RT: 12.94 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

Instrument :

MSVOA\_F

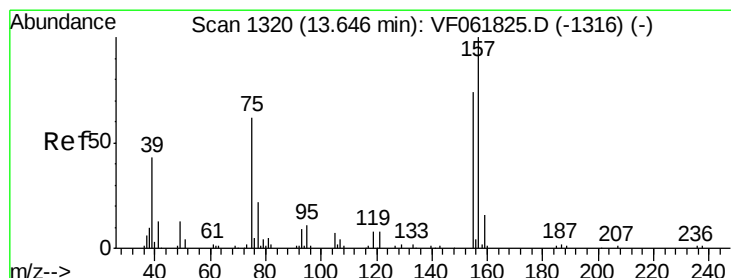
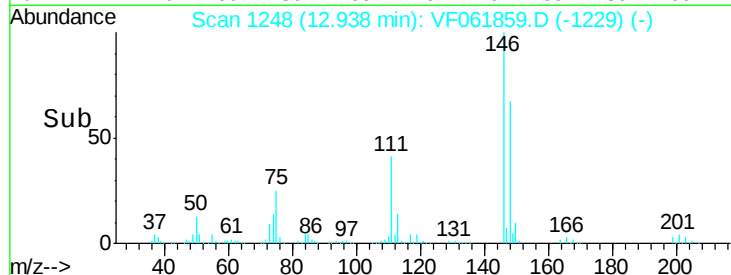
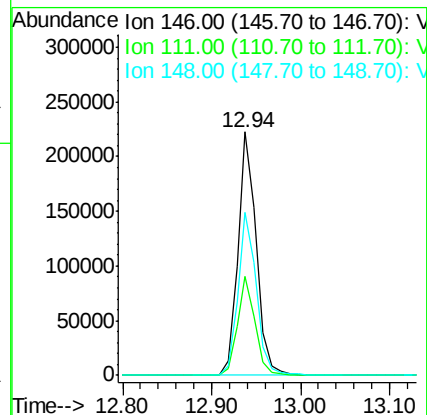
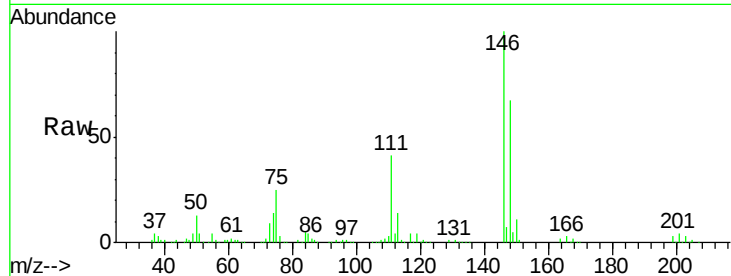
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 321861 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 40.6  | 19.4  | 58.4   |
| 148       | 66.9  | 33.0  | 98.9   |

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#92

1,2-Dibromo-3-Chloropropane

Concen: 48.812 ug/l

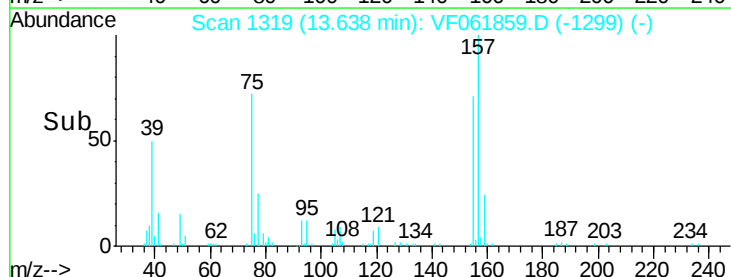
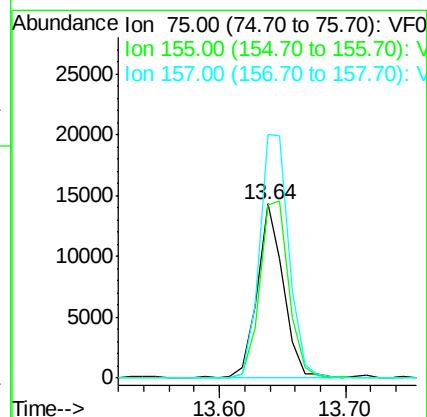
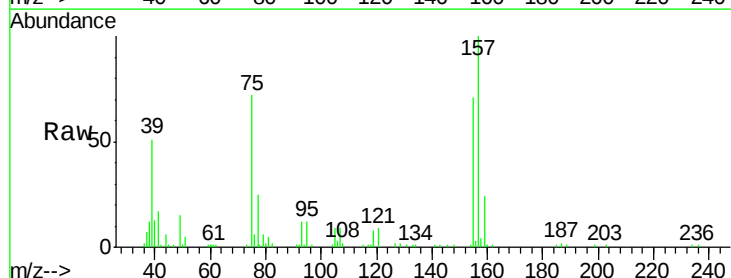
RT: 13.64 min Scan# 1319

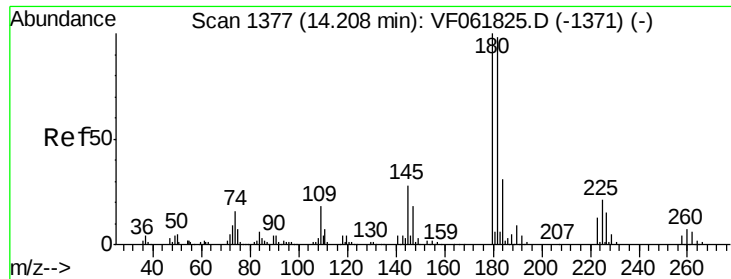
Delta R.T. -0.01 min

Lab File: VF061859.D

Acq: 5 Mar 2019 22:22

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 20701 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 99.3  | 59.8  | 179.4 |
| 157       | 139.7 | 81.2  | 243.4 |





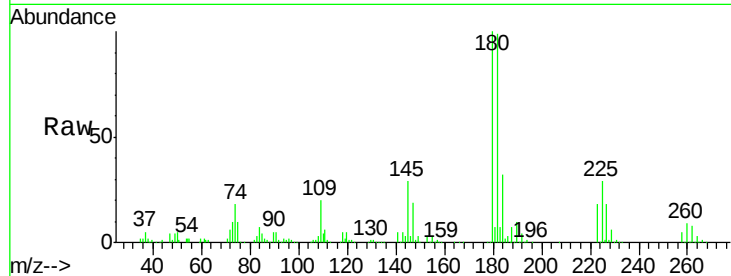
#93  
1,2,4-Trichlorobenzene  
Concen: 50.534 ug/l  
RT: 14.20 min Scan# 1376  
Delta R.T. -0.01 min  
Lab File: VF061859.D  
Acq: 5 Mar 2019 22:22

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050EC

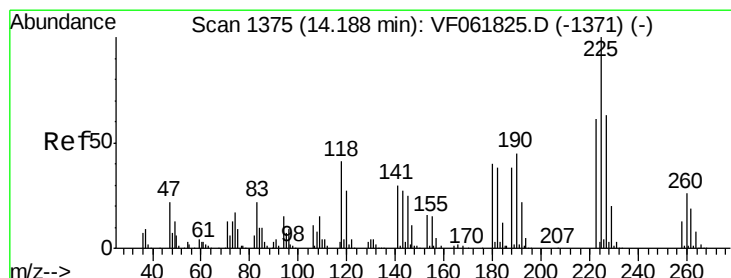
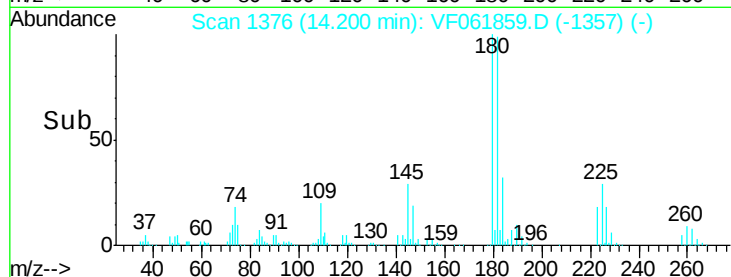
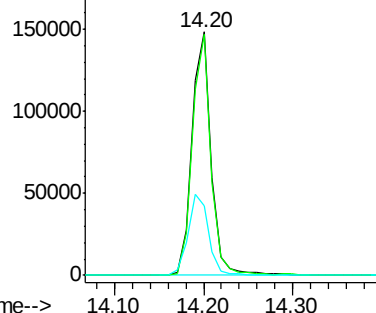
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 225841 |       |       |
| 182     | 99.0  | 49.0   | 147.2 |       |
| 145     | 28.7  | 14.1   | 42.4  |       |

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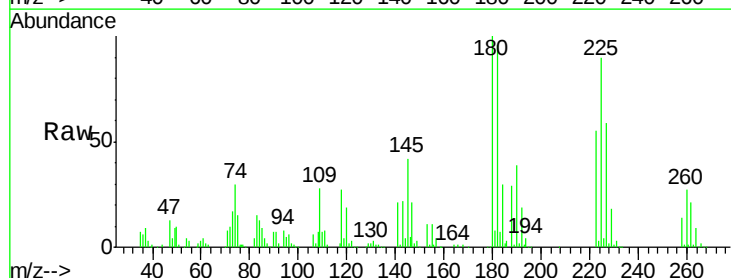


Abundance Ion 180.00 (179.70 to 180.70): V  
Ion 182.00 (181.70 to 182.70): V  
Ion 145.00 (144.70 to 145.70): V

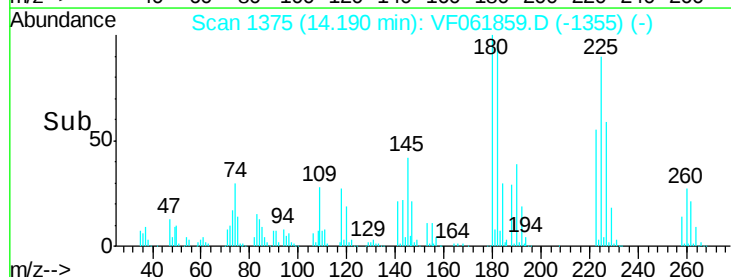
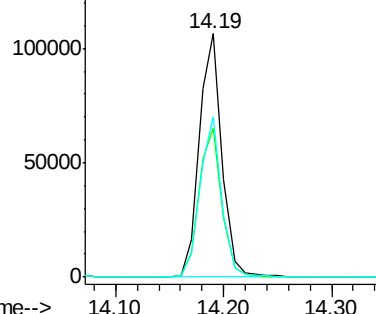


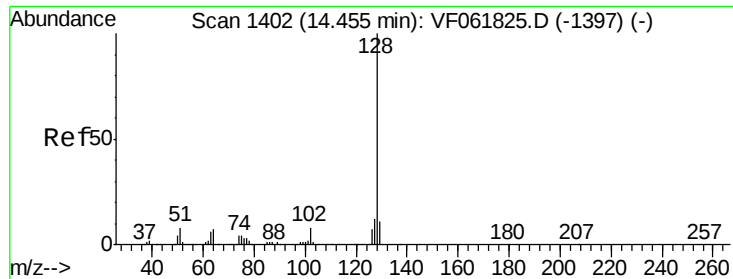
#94  
Hexachlorobutadiene  
Concen: 49.967 ug/l  
RT: 14.19 min Scan# 1375  
Delta R.T. 0.00 min  
Lab File: VF061859.D  
Acq: 5 Mar 2019 22:22

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 154591 |       |       |
| 223     | 61.0  | 30.3   | 90.9  |       |
| 227     | 65.9  | 31.3   | 93.8  |       |



Abundance Ion 225.00 (224.70 to 225.70): V  
Ion 223.00 (222.70 to 223.70): V  
Ion 227.00 (226.70 to 227.70): V





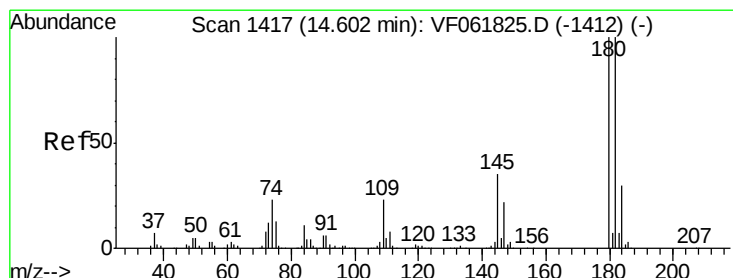
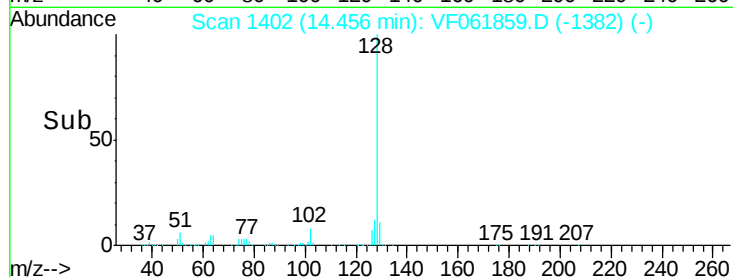
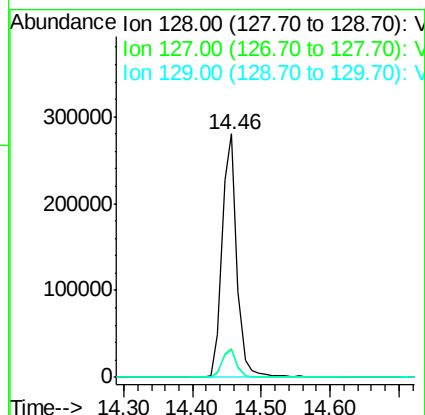
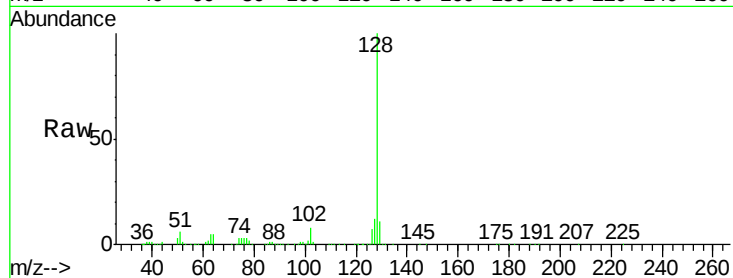
#95  
Naphthalene  
Concen: 52.463 ug/l  
RT: 14.46 min Scan# 1402  
Delta R.T. 0.00 min  
Lab File: VF061859.D  
Acq: 5 Mar 2019 22:22

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 11.5  | 9.3   | 13.9  |
| 129     | 11.1  | 8.8   | 13.2  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 50.737 ug/l  
RT: 14.60 min Scan# 1417  
Delta R.T. 0.00 min  
Lab File: VF061859.D  
Acq: 5 Mar 2019 22:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 93.4  | 50.2  | 150.7 |
| 145     | 29.0  | 17.5  | 52.5  |

