

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041619\  
 Data File : VF062172.D  
 Acq On : 16 Apr 2019 12:16  
 Operator : FY/SY  
 Sample : VSTDICCC050  
 Misc : 5.00g/5mL/MSVOA F/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDICCC050

Manual Integrations  
 APPROVED

MMDadoda  
 4/17/2019 11:50:17 AM

Quant Time: Apr 17 07:42:41 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F041619S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 17 07:22:58 2019  
 Response via : Initial Calibration

| Internal Standards            | R.T.  | QIon | Response | Conc    | Units   | Dev(Min) |
|-------------------------------|-------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene         | 5.06  | 168  | 429496   | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene       | 5.78  | 114  | 680838   | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5          | 9.91  | 117  | 552055   | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.61 | 152  | 267803   | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds   |       |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4     | 5.03  | 65   | 211351   | 54.62   | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 109.24% |          |
| 35) Dibromofluoromethane      | 4.31  | 113  | 283001   | 52.69   | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 105.38% |          |
| 50) Toluene-d8                | 7.71  | 98   | 842319   | 53.67   | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 107.34% |          |
| 62) 4-Bromofluorobenzene      | 11.50 | 95   | 317579   | 51.24   | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 102.48% |          |
| Target Compounds              |       |      |          |         |         |          |
|                               |       |      |          |         | Qvalue  |          |
| 2) Dichlorodifluoromethane    | 1.00  | 85   | 300701   | 47.635  | ug/l    | 100      |
| 3) Chloromethane              | 1.14  | 50   | 354531   | 52.250  | ug/l    | 100      |
| 4) Vinyl Chloride             | 1.19  | 62   | 304862   | 51.318  | ug/l    | 100      |
| 5) Bromomethane               | 1.36  | 94   | 203099   | 53.267  | ug/l    | 100      |
| 6) Chloroethane               | 1.43  | 64   | 146050   | 51.963  | ug/l    | 100      |
| 7) Trichlorofluoromethane     | 1.55  | 101  | 360431   | 50.875  | ug/l    | 100      |
| 8) Diethyl Ether              | 1.71  | 74   | 73531    | 51.447  | ug/l    | 100      |
| 9) 1,1,2-Trichlorotrifluoroet | 1.91  | 101  | 235836   | 50.857  | ug/l    | 100      |
| 10) Methyl Iodide             | 1.97  | 142  | 446592   | 51.664  | ug/l    | 100      |
| 11) Tert butyl alcohol        | 2.68  | 59   | 52278    | 243.740 | ug/l    | 100      |
| 12) 1,1-Dichloroethene        | 1.87  | 96   | 240445   | 50.985  | ug/l    | 100      |
| 13) Acrolein                  | 2.09  | 56   | 36085    | 215.770 | ug/l    | 100      |
| 14) Allyl chloride            | 2.20  | 41   | 370910   | 52.232  | ug/l    | 100      |
| 15) Acrylonitrile             | 3.09  | 53   | 179311   | 227.046 | ug/l    | 100      |
| 16) Acetone                   | 2.35  | 43   | 213796   | 245.063 | ug/l    | 100      |
| 17) Carbon Disulfide          | 1.91  | 76   | 703866   | 52.480  | ug/l    | 100      |
| 18) Methyl Acetate            | 2.46  | 43   | 88258    | 42.640  | ug/l    | 100      |
| 19) Methyl tert-butyl Ether   | 2.55  | 73   | 386041   | 49.212  | ug/l    | 100      |
| 20) Methylene Chloride        | 2.33  | 84   | 219300m  | 43.872  | ug/l    |          |
| 21) trans-1,2-Dichloroethene  | 2.42  | 96   | 223381   | 49.506  | ug/l    | 100      |
| 22) Diisopropyl ether         | 2.93  | 45   | 666314   | 50.480  | ug/l    | 100      |
| 23) Vinyl Acetate             | 3.34  | 43   | 1693714  | 257.237 | ug/l    | 100      |
| 24) 1,1-Dichloroethane        | 3.02  | 63   | 369519   | 50.271  | ug/l    | 100      |
| 25) 2-Butanone                | 4.52  | 43   | 473681   | 252.678 | ug/l    | 100      |
| 26) 2,2-Dichloropropane       | 3.78  | 77   | 184582   | 47.742  | ug/l    | 100      |
| 27) cis-1,2-Dichloroethene    | 3.65  | 96   | 309795   | 51.723  | ug/l    | 100      |
| 28) Bromochloromethane        | 3.90  | 49   | 184468   | 52.410  | ug/l    | 100      |
| 29) Tetrahydrofuran           | 4.26  | 42   | 202104   | 242.458 | ug/l    | 100      |
| 30) Chloroform                | 4.05  | 83   | 452926   | 49.562  | ug/l    | 100      |
| 31) Cyclohexane               | 3.89  | 56   | 483306   | 50.935  | ug/l    | 100      |
| 32) 1,1,1-Trichloroethane     | 4.29  | 97   | 320320   | 51.403  | ug/l    | 100      |
| 36) 1,1-Dichloropropene       | 4.47  | 75   | 376459   | 49.766  | ug/l    | 100      |
| 37) Ethyl Acetate             | 4.30  | 43   | 165446   | 47.466  | ug/l    | 100      |
| 38) Carbon Tetrachloride      | 4.18  | 117  | 320205m  | 48.399  | ug/l    |          |

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 Sample : VSTDICCC050  
 Misc : 5.00g/5mL/MSVOA F/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleID :  
 VSTDICCC050

Manual Integrations  
 APPROVED

MMDadoda  
 4/17/2019 11:50:17 AM

Quant Time: Apr 17 07:42:41 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F041619S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 17 07:22:58 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units | Dev(Min) |
|--------------------------------|-------|------|----------|----------|-------|----------|
| 39) Methylcyclohexane          | 5.64  | 83   | 467436   | 49.310   | ug/l  | 100      |
| 40) Benzene                    | 4.82  | 78   | 972544   | 48.671   | ug/l  | 100      |
| 41) Methacrylonitrile          | 4.93  | 41   | 94306    | 45.029   | ug/l  | 100      |
| 42) 1,2-Dichloroethane         | 5.13  | 62   | 256822   | 50.782   | ug/l  | 100      |
| 43) Isopropyl Acetate          | 7.11  | 43   | 193688   | 47.814   | ug/l  | 100      |
| 44) Trichloroethene            | 5.68  | 130  | 260220   | 48.655   | ug/l  | 100      |
| 45) 1,2-Dichloropropane        | 6.41  | 63   | 236762   | 48.299   | ug/l  | 100      |
| 46) Dibromomethane             | 6.26  | 93   | 144407   | 48.853   | ug/l  | 100      |
| 47) Bromodichloromethane       | 6.55  | 83   | 327607   | 48.920   | ug/l  | 100      |
| 48) Methyl methacrylate        | 6.87  | 41   | 127043   | 48.181   | ug/l  | 100      |
| 49) 1,4-Dioxane                | 6.86  | 88   | 20550    | 1000.139 | ug/l  | 100      |
| 51) 4-Methyl-2-Pentanone       | 8.40  | 43   | 706126   | 227.542  | ug/l  | 100      |
| 52) Toluene                    | 7.78  | 92   | 565280   | 48.156   | ug/l  | 100      |
| 53) t-1,3-Dichloropropene      | 8.42  | 75   | 278386   | 47.993   | ug/l  | 100      |
| 54) cis-1,3-Dichloropropene    | 7.46  | 75   | 361021   | 48.946   | ug/l  | 100      |
| 55) 1,1,2-Trichloroethane      | 8.64  | 97   | 164787   | 49.015   | ug/l  | 100      |
| 56) Ethyl methacrylate         | 8.76  | 69   | 189694   | 47.450   | ug/l  | 100      |
| 57) 1,3-Dichloropropane        | 8.99  | 76   | 262988   | 47.581   | ug/l  | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 7.45  | 63   | 224181   | 217.647  | ug/l  | 100      |
| 59) 2-Hexanone                 | 9.62  | 43   | 456460   | 231.120  | ug/l  | 100      |
| 60) Dibromochloromethane       | 8.85  | 129  | 226777   | 49.025   | ug/l  | 100      |
| 61) 1,2-Dibromoethane          | 9.13  | 107  | 175704   | 48.849   | ug/l  | 100      |
| 64) Tetrachloroethene          | 8.30  | 164  | 223013   | 49.461   | ug/l  | 100      |
| 65) Chlorobenzene              | 9.93  | 112  | 571818   | 49.792   | ug/l  | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 10.06 | 131  | 232086   | 48.951   | ug/l  | 100      |
| 67) Ethyl Benzene              | 10.03 | 91   | 1063667  | 49.966   | ug/l  | 100      |
| 68) m/p-Xylenes                | 10.25 | 106  | 779780   | 99.487   | ug/l  | 100      |
| 69) o-Xylene                   | 10.82 | 106  | 420450   | 49.556   | ug/l  | 100      |
| 70) Styrene                    | 10.90 | 104  | 609924   | 49.452   | ug/l  | 100      |
| 71) Bromoform                  | 10.88 | 173  | 118244   | 47.623   | ug/l  | 100      |
| 73) Isopropylbenzene           | 11.21 | 105  | 1170714  | 50.743   | ug/l  | 100      |
| 74) N-amyl acetate             | 11.45 | 43   | 278030   | 46.234   | ug/l  | 100      |
| 75) 1,1,2,2-Tetrachloroethane  | 11.77 | 83   | 202996   | 49.392   | ug/l  | 100      |
| 76) 1,2,3-Trichloropropane     | 11.87 | 75   | 138431   | 49.710   | ug/l  | 100      |
| 77) Bromobenzene               | 11.58 | 156  | 238681   | 49.745   | ug/l  | 100      |
| 78) n-propylbenzene            | 11.67 | 91   | 1287613  | 49.100   | ug/l  | 100      |
| 79) 2-Chlorotoluene            | 11.79 | 91   | 779881   | 50.451   | ug/l  | 100      |
| 80) 1,3,5-Trimethylbenzene     | 11.89 | 105  | 958037   | 49.789   | ug/l  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 11.94 | 75   | 67084m   | 44.767   | ug/l  |          |
| 82) 4-Chlorotoluene            | 11.97 | 91   | 760209   | 50.183   | ug/l  | 100      |
| 83) tert-Butylbenzene          | 12.20 | 119  | 961152   | 50.304   | ug/l  | 100      |
| 84) 1,2,4-Trimethylbenzene     | 12.27 | 105  | 921451   | 49.344   | ug/l  | 100      |
| 85) sec-Butylbenzene           | 12.36 | 105  | 1255023  | 49.952   | ug/l  | 100      |
| 86) p-Isopropyltoluene         | 12.52 | 119  | 1063011  | 49.664   | ug/l  | 100      |
| 87) 1,3-Dichlorobenzene        | 12.54 | 146  | 432907   | 49.314   | ug/l  | 100      |
| 88) 1,4-Dichlorobenzene        | 12.63 | 146  | 424609   | 49.610   | ug/l  | 100      |
| 89) n-Butylbenzene             | 12.90 | 91   | 1041329  | 48.608   | ug/l  | 100      |
| 90) Hexachloroethane           | 12.98 | 117  | 263319   | 50.223   | ug/l  | 100      |
| 91) 1,2-Dichlorobenzene        | 12.99 | 146  | 407902   | 48.418   | ug/l  | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 13.68 | 75   | 36051    | 48.704   | ug/l  | 100      |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041619\  
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Acq On : 16 Apr 2019 12:16  
Operator : FY/SY  
Sample : VSTDICCC050  
Misc : 5.00g/5mL/MSVOA F/SOIL  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDICCC050

Manual Integrations  
APPROVED

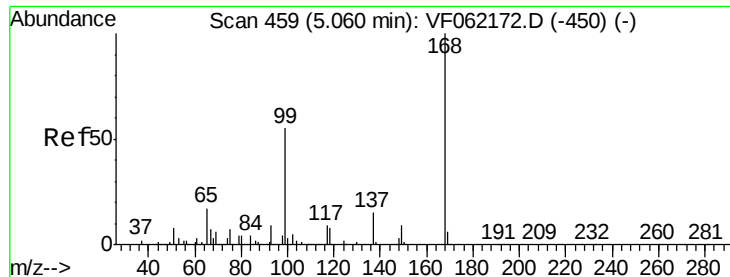
MMDadoda  
4/17/2019 11:50:17 AM

Quant Time: Apr 17 07:42:41 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F041619S.M  
Quant Title : SW846 8260  
QLast Update : Wed Apr 17 07:22:58 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.24 | 180  | 306245   | 48.402 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 14.23 | 225  | 204767   | 49.659 | ug/l  | 100      |
| 95) Naphthalene            | 14.49 | 128  | 539269   | 48.784 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.64 | 180  | 292885   | 49.685 | ug/l  | 100      |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

Instrument :

MSVOA\_F

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 429496

Ion Ratio Lower Upper

168 100

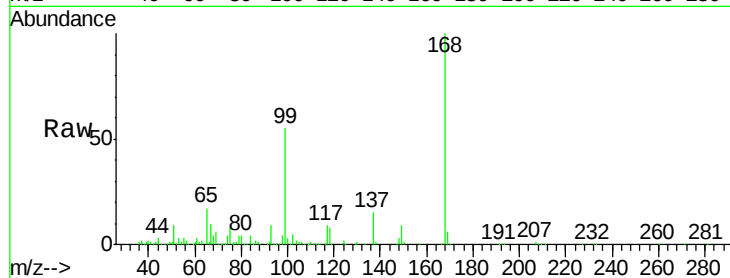
99 55.3 44.2 66.4

Manual Integrations

APPROVED

MMDadoda

4/17/2019 11:50:17 AM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

150000

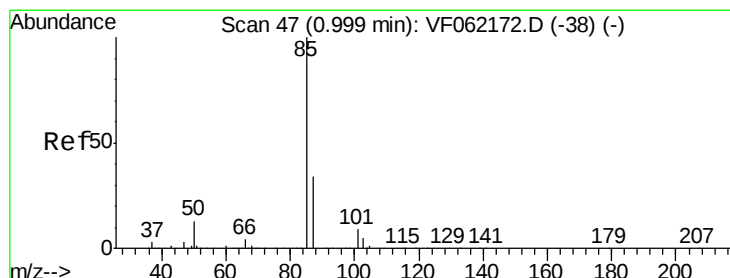
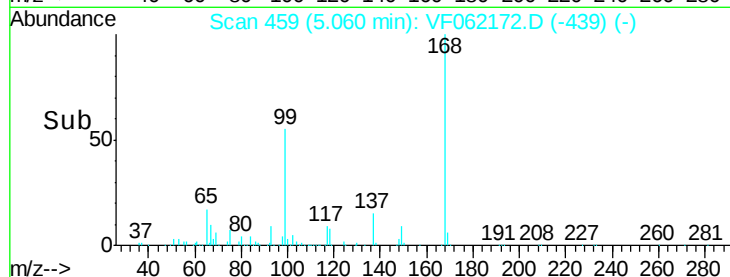
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50000

0

4.90 5.00 5.10 5.20 5.30

Time-->



#2

Dichlorodifluoromethane

Concen: 47.635 ug/l

RT: 1.00 min Scan# 47

Delta R.T. 0.00 min

Lab File: VF062172.D

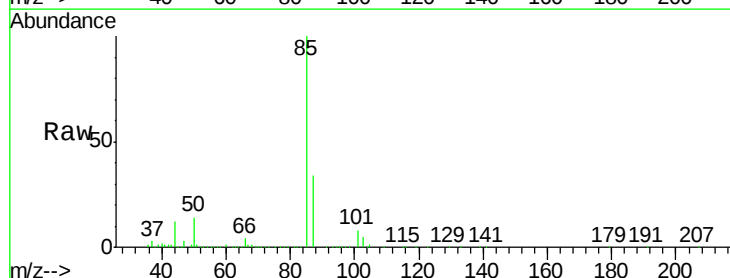
Acq: 16 Apr 2019 12:16

Tgt Ion: 85 Resp: 300701

Ion Ratio Lower Upper

85 100

87 33.7 16.9 50.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.00

100000

80000

60000

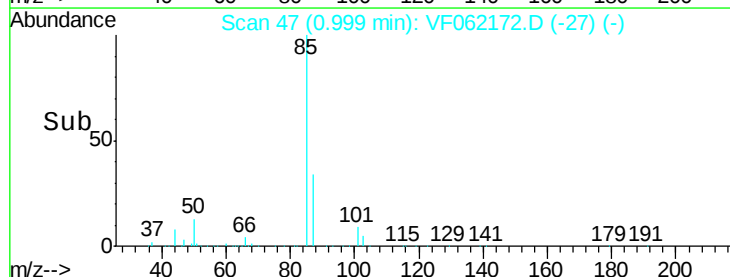
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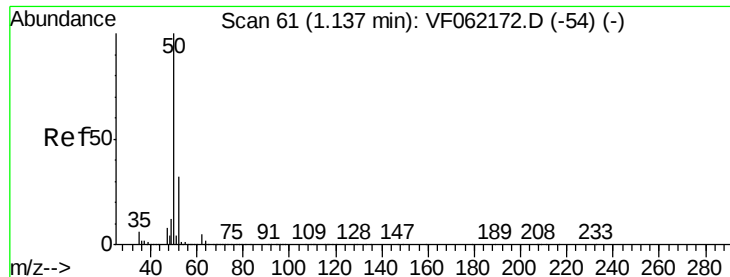
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0

0.80 0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 52.250 ug/l

RT: 1.14 min Scan# 61

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

Instrument :

MSVOA\_F

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 354531

Ion Ratio Lower Upper

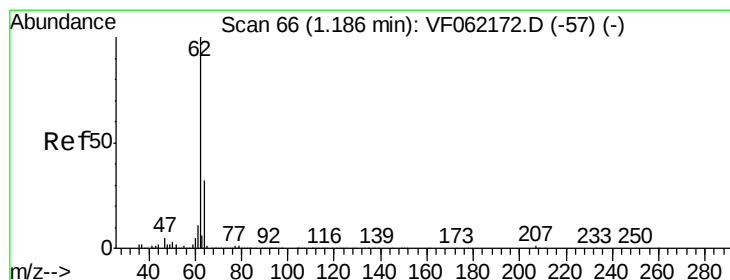
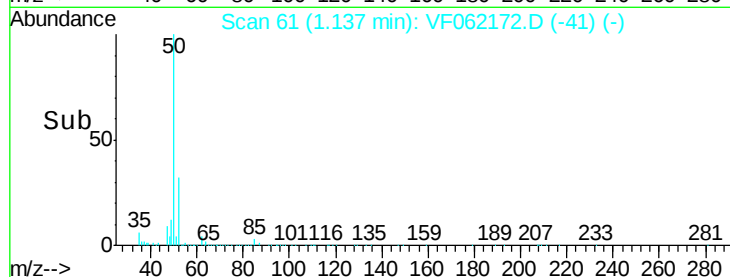
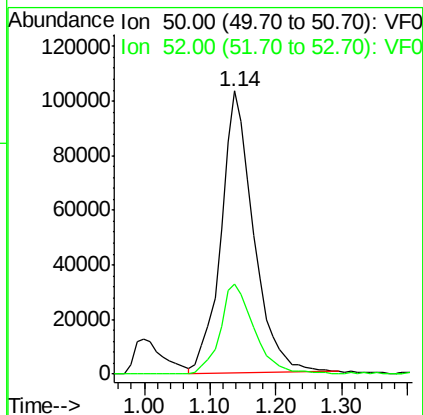
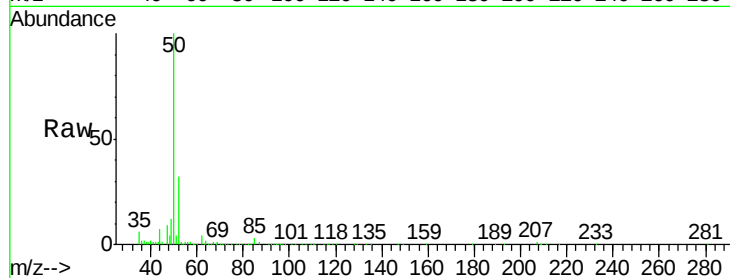
50 100

52 31.8 25.4 38.2

Manual Integrations  
APPROVED

MMDadoda

4/17/2019 11:50:17 AM



#4

Vinyl Chloride

Concen: 51.318 ug/l

RT: 1.19 min Scan# 66

Delta R.T. 0.00 min

Lab File: VF062172.D

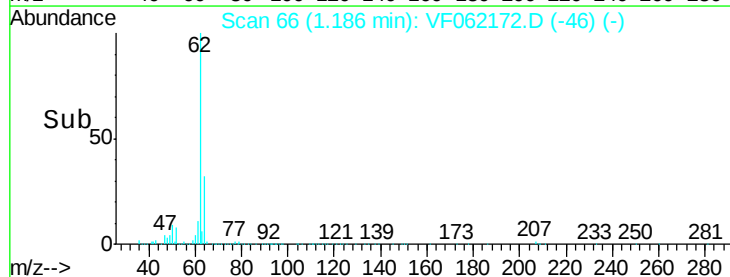
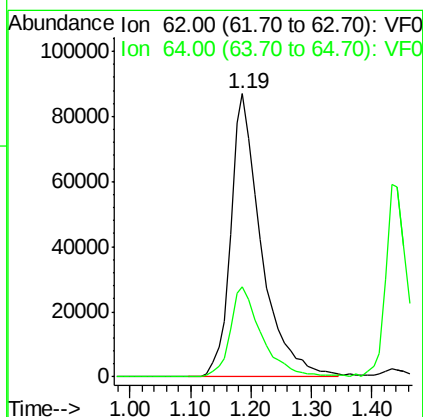
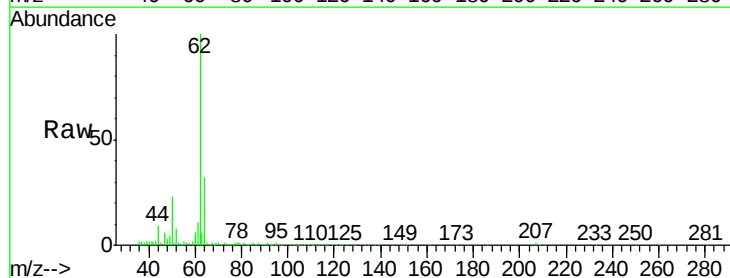
Acq: 16 Apr 2019 12:16

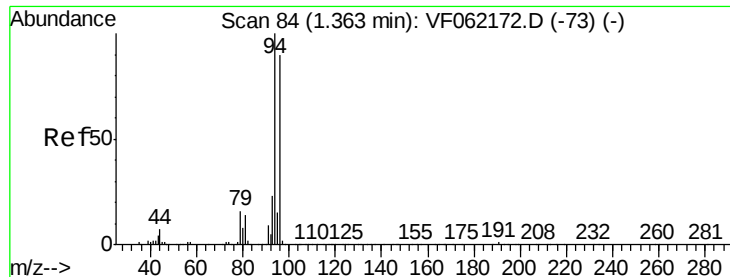
Tgt Ion: 62 Resp: 304862

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.0





#5

Bromomethane

Concen: 53.267 ug/l

RT: 1.36 min Scan# 84

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

Instrument :

MSVOA\_F

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 203099

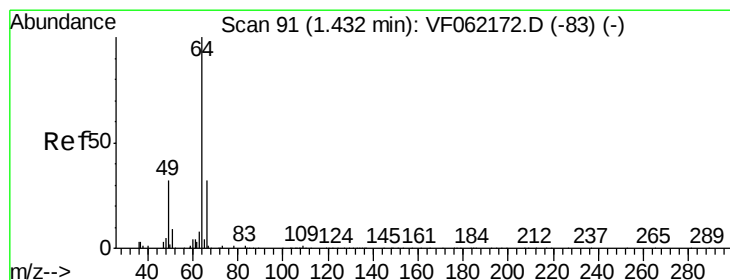
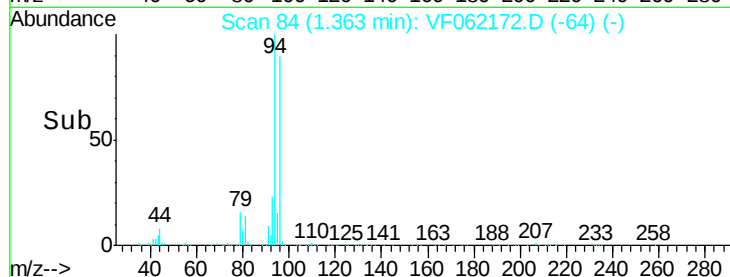
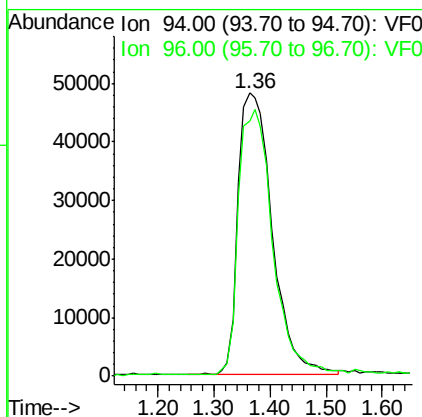
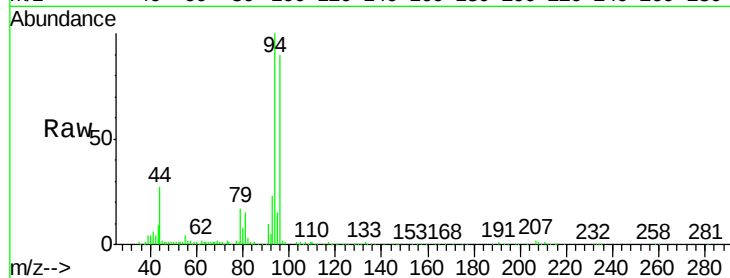
Ion Ratio Lower Upper

94 100

96 90.4 72.3 108.5

Manual Integrations  
APPROVED

MMDadoda  
4/17/2019 11:50:17 AM



#6

Chloroethane

Concen: 51.963 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.00 min

Lab File: VF062172.D

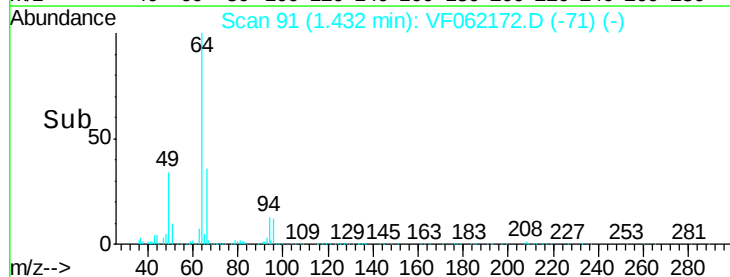
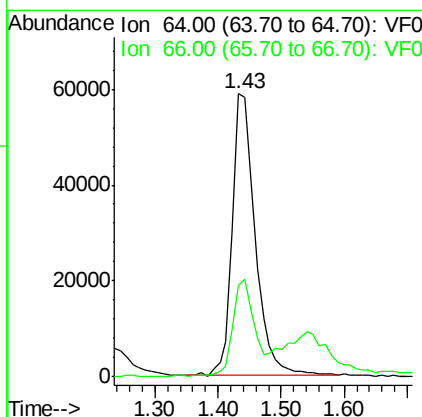
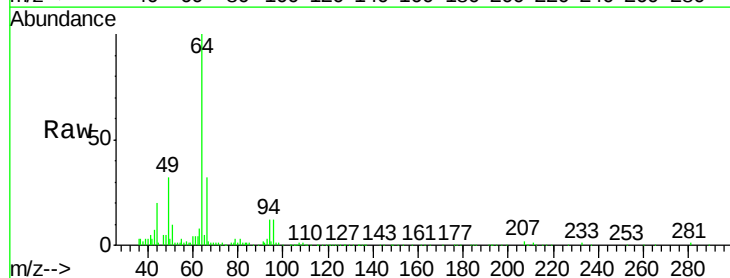
Acq: 16 Apr 2019 12:16

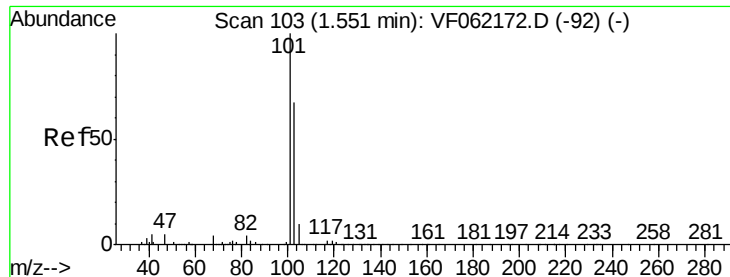
Tgt Ion: 64 Resp: 146050

Ion Ratio Lower Upper

64 100

66 32.1 25.7 38.5





#7

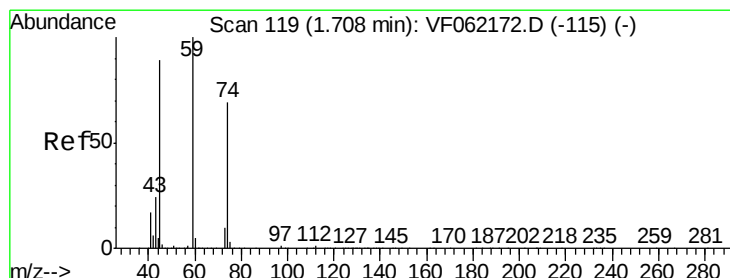
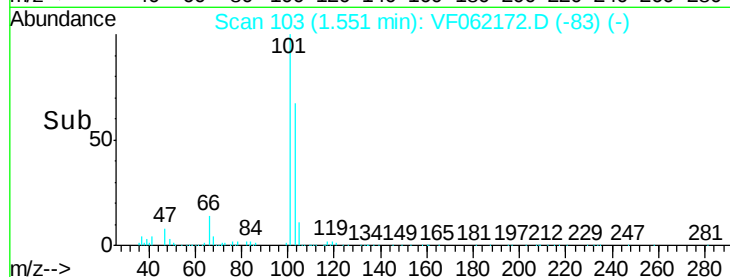
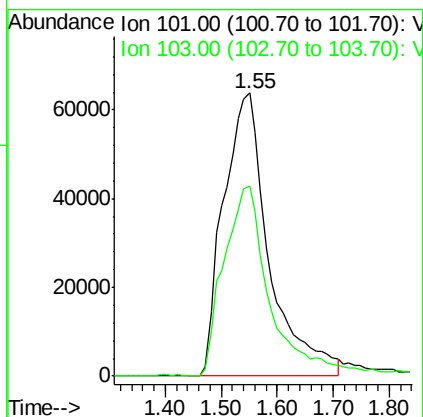
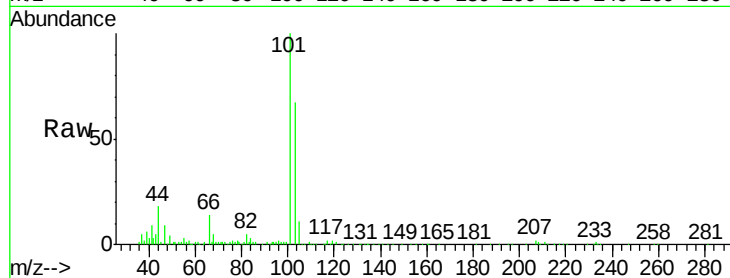
Trichlorofluoromethane  
Concen: 50.875 ug/l  
RT: 1.55 min Scan# 103  
Delta R.T. 0.00 min  
Lab File: VF062172.D  
Acq: 16 Apr 2019 12:16

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 360431  | 101 | 100   |      |       |       |
|         | 103 | 67.1  | 53.7 | 80.5  |       |

Manual Integrations  
APPROVED

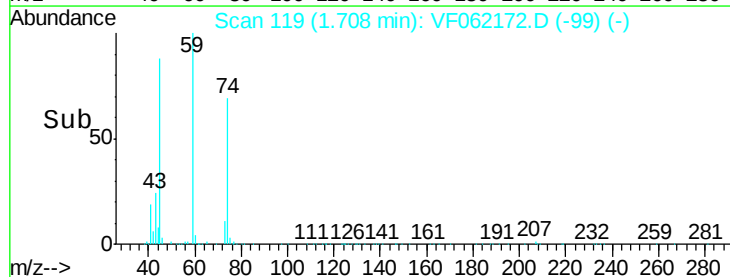
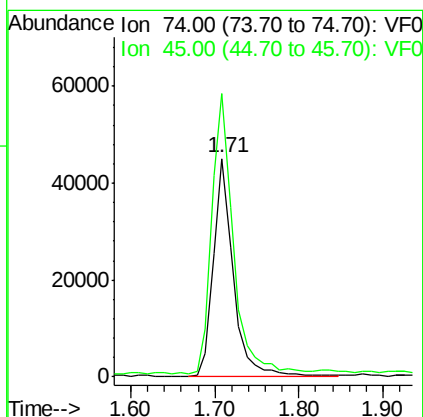
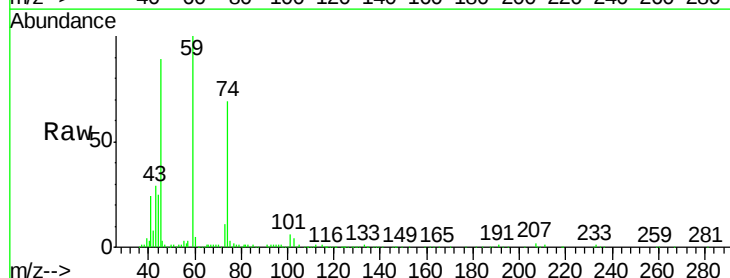
MMDadoda  
4/17/2019 11:50:17 AM

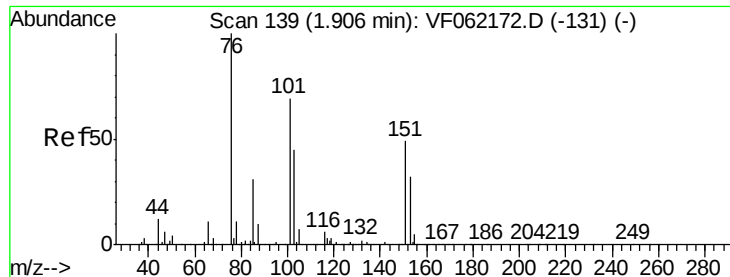


#8

Diethyl Ether  
Concen: 51.447 ug/l  
RT: 1.71 min Scan# 119  
Delta R.T. 0.00 min  
Lab File: VF062172.D  
Acq: 16 Apr 2019 12:16

| Tgt Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 73531   | 74  | 100   |      |       |       |
|         | 45  | 129.4 | 64.7 | 194.1 |       |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.857 ug/l

RT: 1.91 min Scan# 139

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

Instrument :

MSVOA\_F

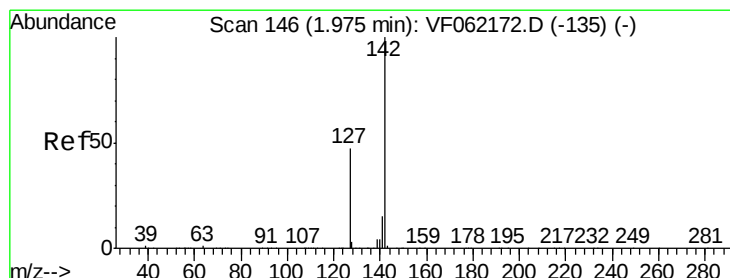
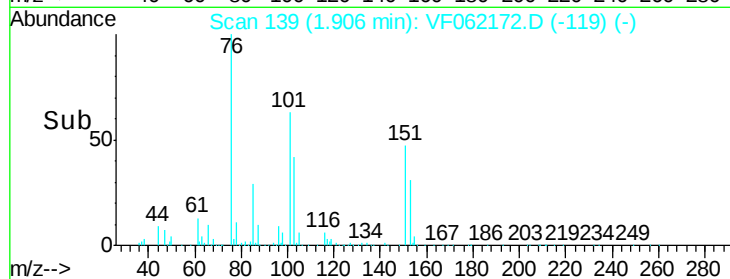
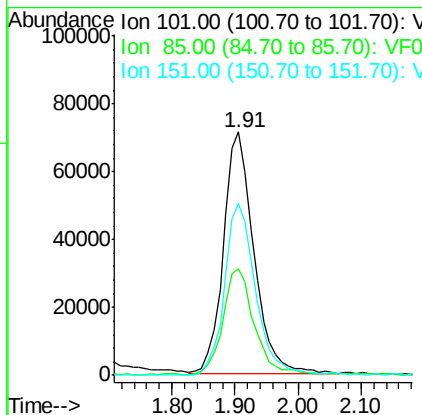
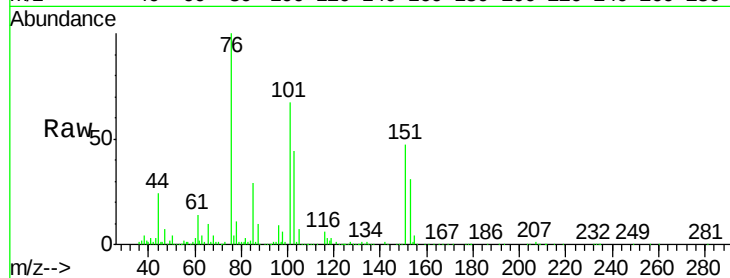
ClientSampleId :

VSTDICCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 235836 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 44.0  | 35.2  | 52.8   |
| 151       | 70.8  | 56.6  | 85.0   |

Manual Integrations  
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4/17/2019 11:50:17 AM



#10

Methyl Iodide

Concen: 51.664 ug/l

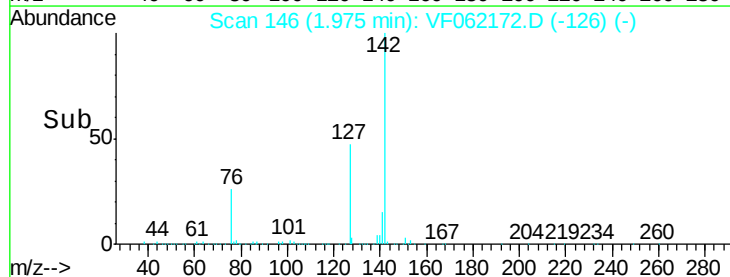
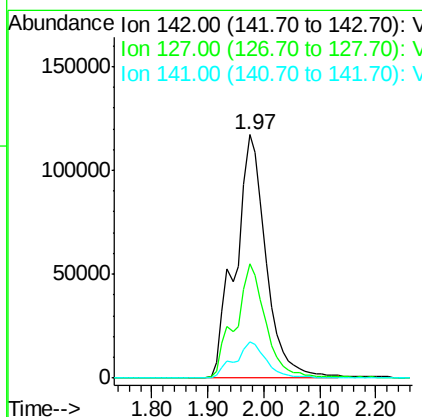
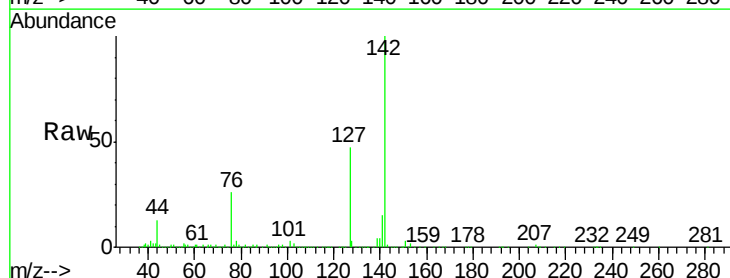
RT: 1.97 min Scan# 146

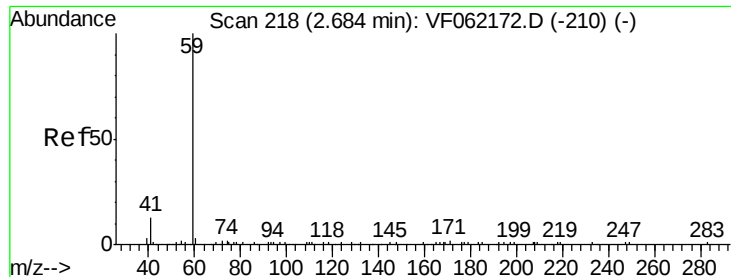
Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 446592 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 47.2  | 37.8  | 56.6   |
| 141       | 15.1  | 12.1  | 18.1   |





#11

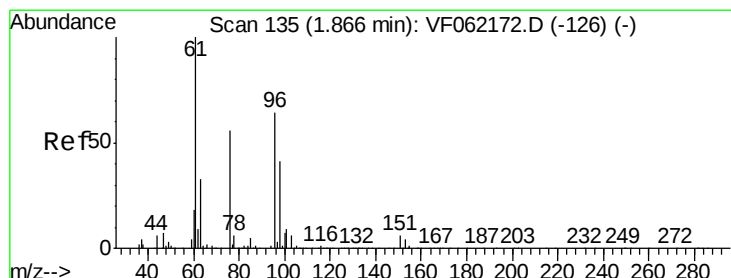
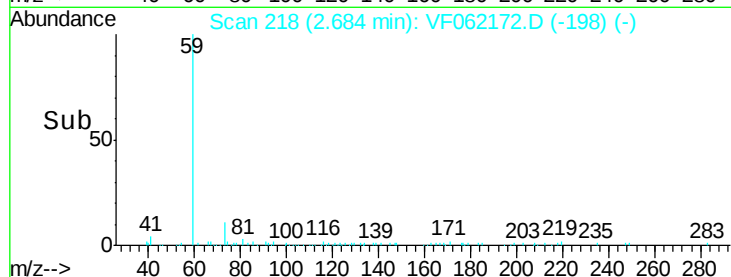
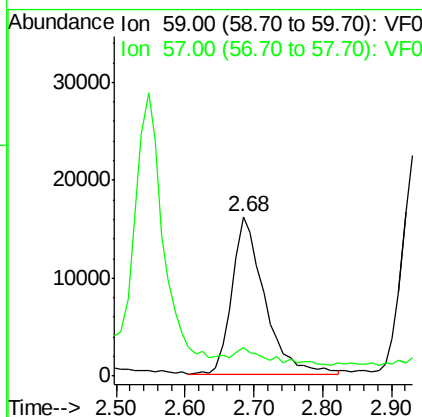
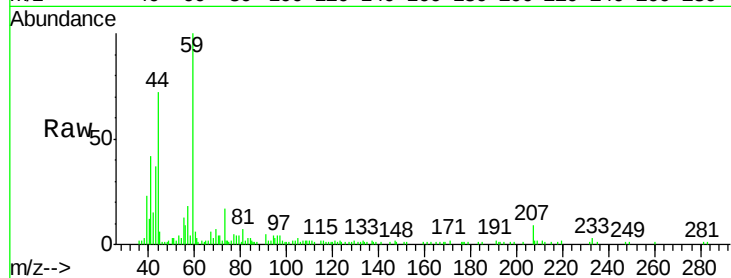
Tert butyl alcohol  
Concen: 243.740 ug/l  
RT: 2.68 min Scan# 218  
Delta R.T. 0.00 min  
Lab File: VF062172.D  
Acq: 16 Apr 2019 12:16

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 17.8  | 14.2  | 21.4  |

Manual Integrations  
APPROVED

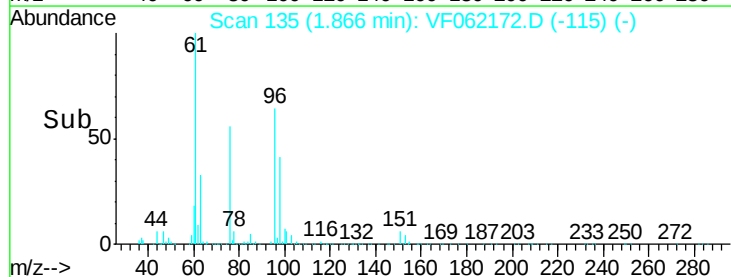
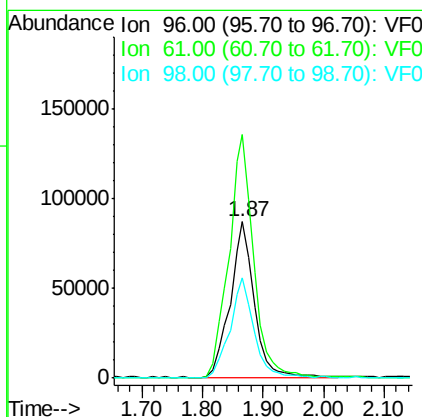
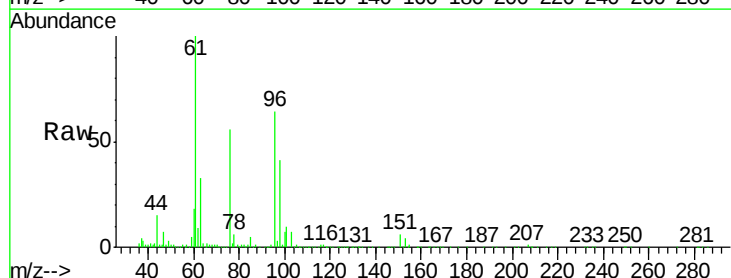
MMDadoda  
4/17/2019 11:50:17 AM

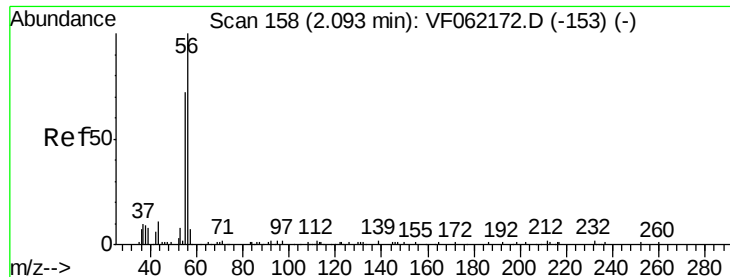


#12

1,1-Dichloroethene  
Concen: 50.985 ug/l  
RT: 1.87 min Scan# 135  
Delta R.T. 0.00 min  
Lab File: VF062172.D  
Acq: 16 Apr 2019 12:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 155.8 | 124.6 | 187.0 |
| 98      | 64.4  | 51.5  | 77.3  |





#13

Acrolein

Concen: 215.770 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

Instrument :

MSVOA\_F

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 36085

Ion Ratio Lower Upper

56 100

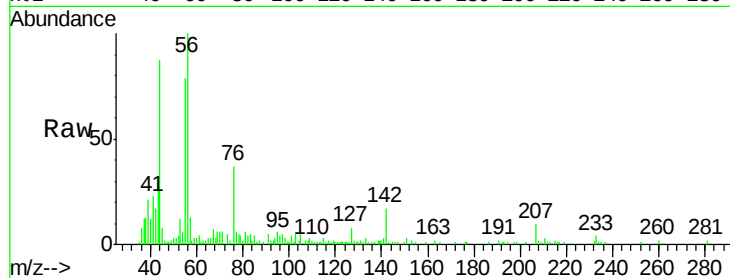
55 78.6 62.9 94.3

Manual Integrations

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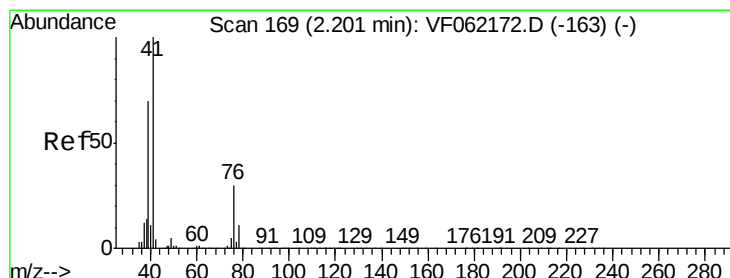
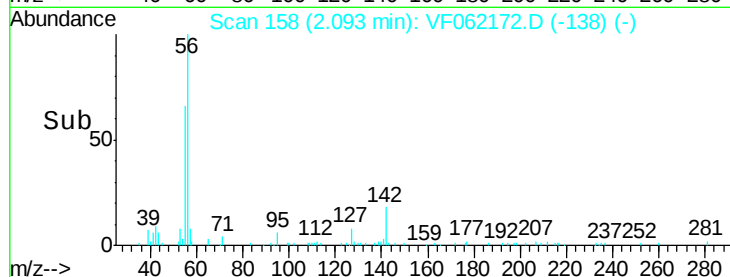
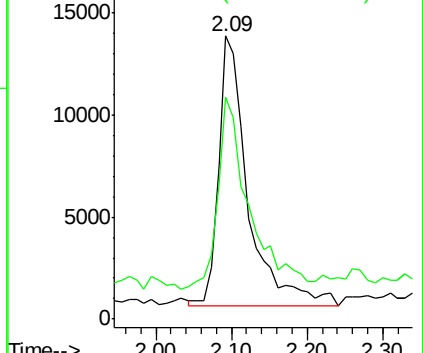
MMDadoda

4/17/2019 11:50:17 AM



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 52.232 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

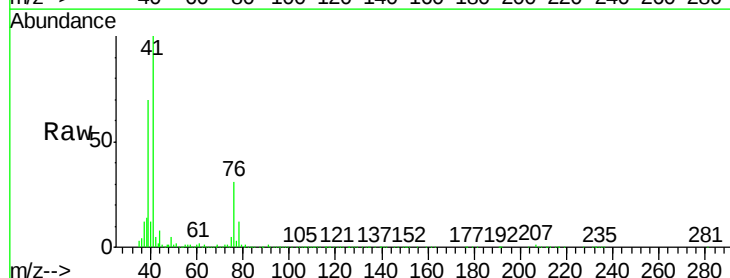
Tgt Ion: 41 Resp: 370910

Ion Ratio Lower Upper

41 100

39 70.1 56.1 84.1

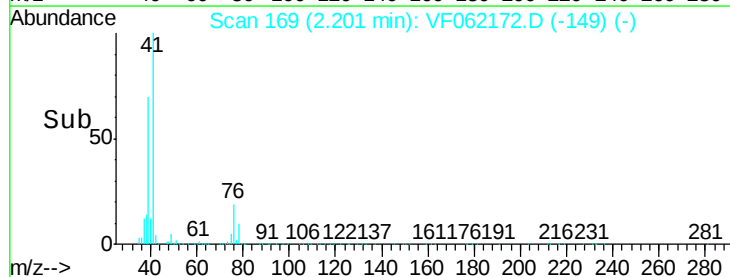
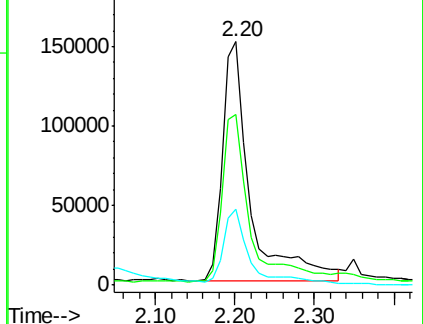
76 31.1 24.9 37.3

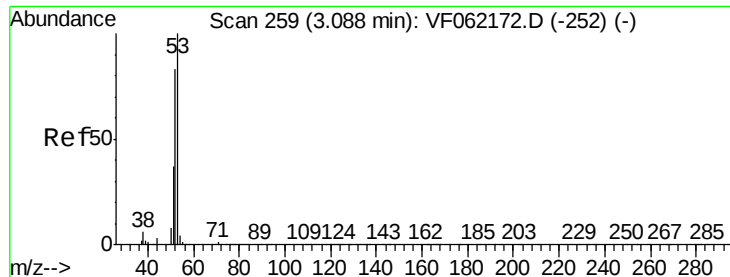


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 227.046 ug/l

RT: 3.09 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

Instrument :

MSVOA\_F

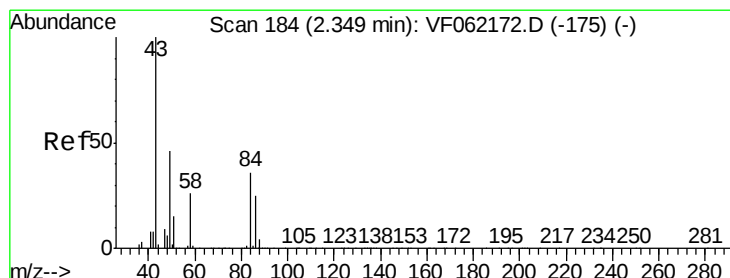
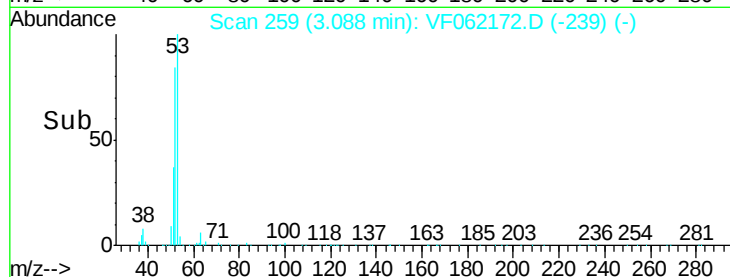
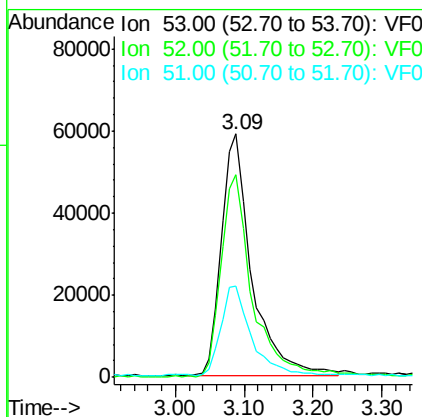
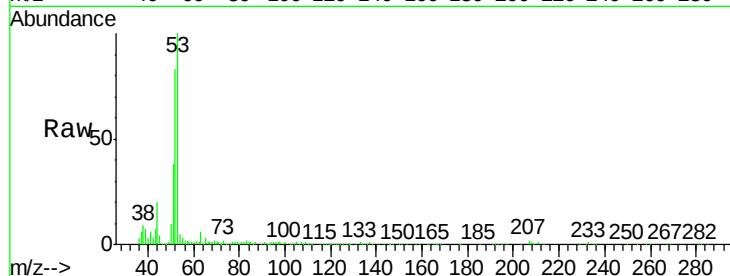
ClientSampleId :

VSTDICCC050

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 53   | Resp: | 179311 |
| Ion Ratio |      | Lower | Upper  |
| 53        | 100  |       |        |
| 52        | 83.2 | 66.6  | 99.8   |
| 51        | 37.6 | 30.1  | 45.1   |

Manual Integrations  
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4/17/2019 11:50:17 AM



#16

Acetone

Concen: 245.063 ug/l

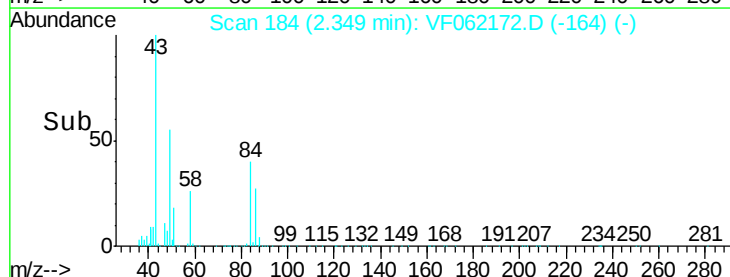
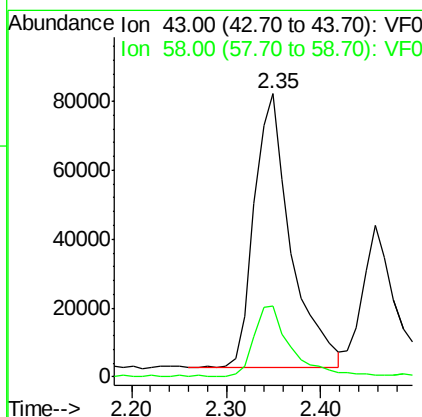
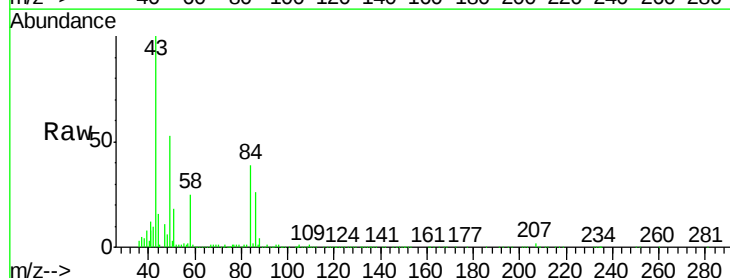
RT: 2.35 min Scan# 184

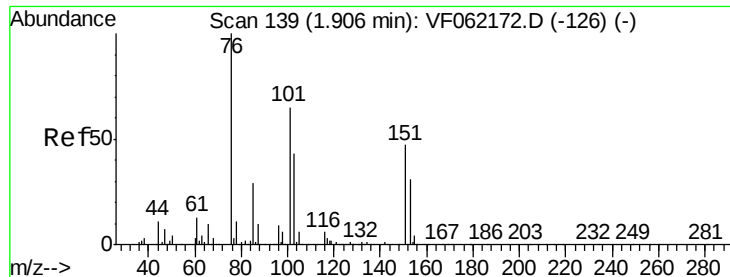
Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 43   | Resp: | 213796 |
| Ion Ratio |      | Lower | Upper  |
| 43        | 100  |       |        |
| 58        | 25.2 | 20.2  | 30.2   |





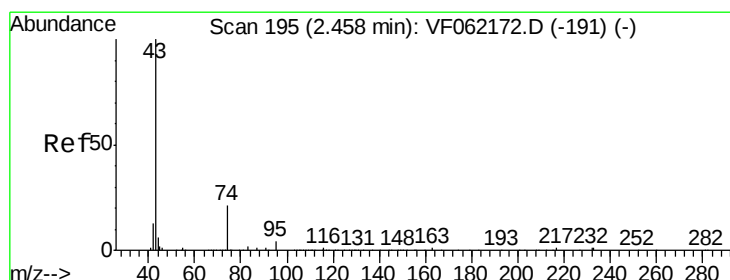
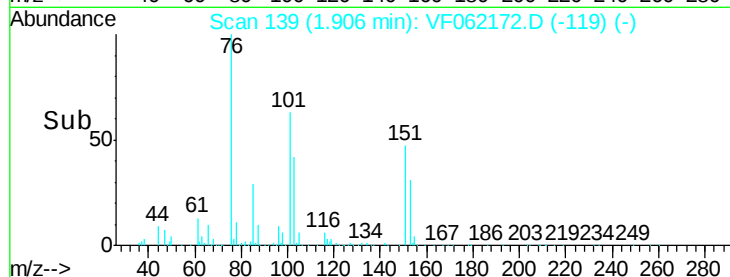
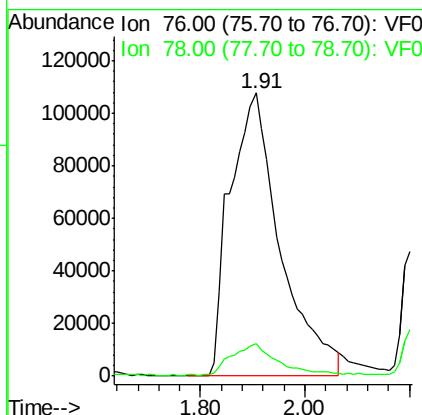
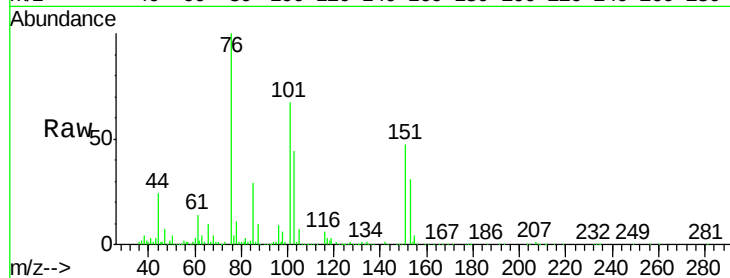
#17  
Carbon Disulfide  
Concen: 52.480 ug/l  
RT: 1.91 min Scan# 139  
Delta R.T. 0.00 min  
Lab File: VF062172.D  
Acq: 16 Apr 2019 12:16

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 11.4  | 9.1   | 13.7  |

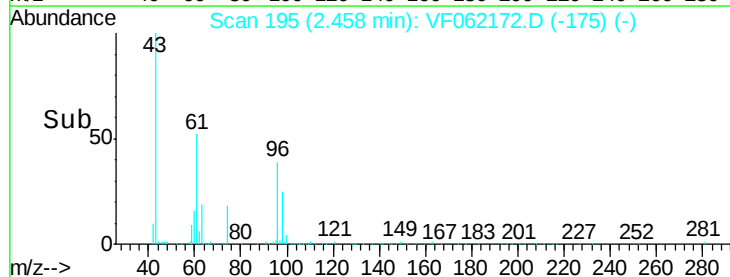
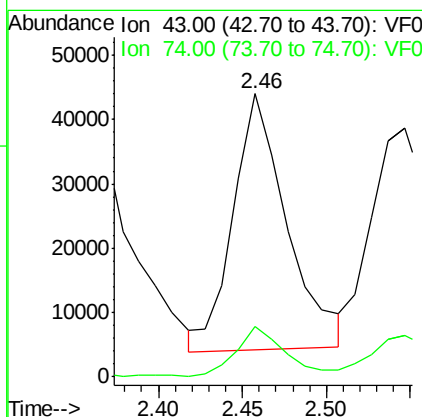
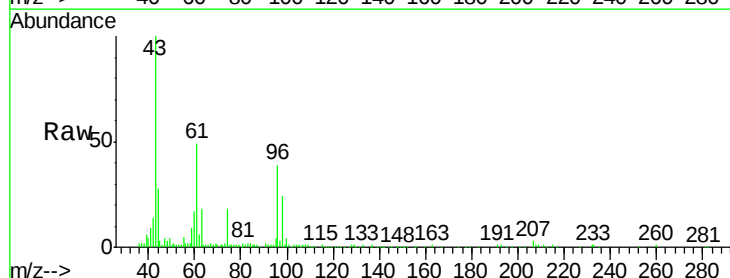
Manual Integrations  
APPROVED

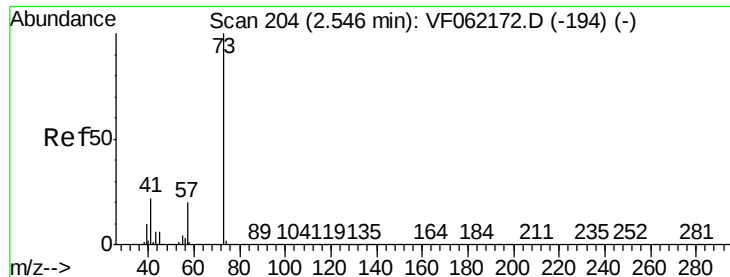
MMDadoda  
4/17/2019 11:50:17 AM



#18  
Methyl Acetate  
Concen: 42.640 ug/l  
RT: 2.46 min Scan# 195  
Delta R.T. 0.00 min  
Lab File: VF062172.D  
Acq: 16 Apr 2019 12:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 17.8  | 14.2  | 21.4  |





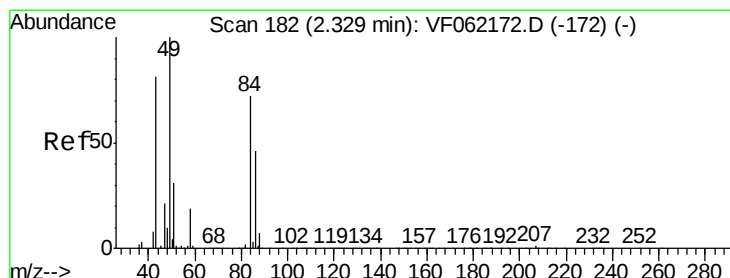
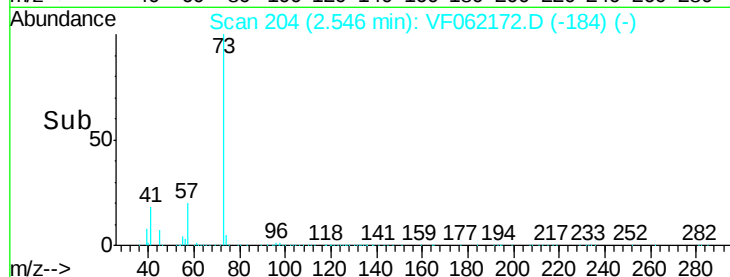
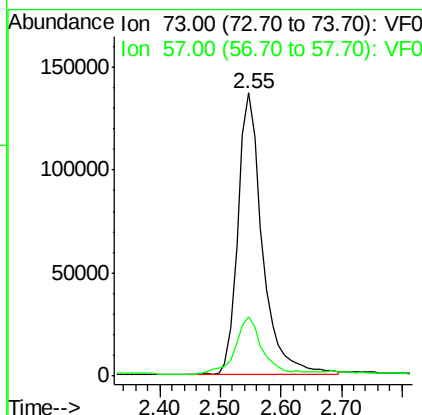
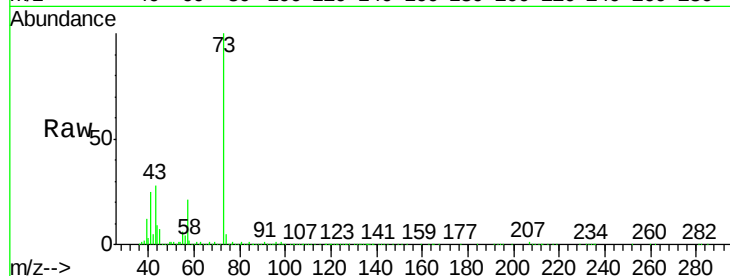
#19  
Methvl tert-butvl Ether  
Concen: 49.212 ug/l  
RT: 2.55 min Scan# 204  
Delta R.T. 0.00 min  
Lab File: VF062172.D  
Acq: 16 Apr 2019 12:16

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDICCC050

Tot Ion: 73 Resp: 386041  
Ion Ratio Lower Upper  
73 100  
57 21.0 16.8 25.2

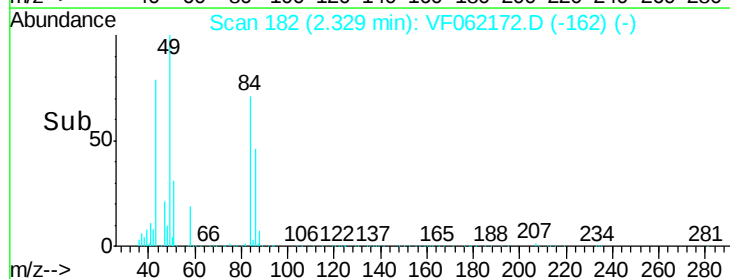
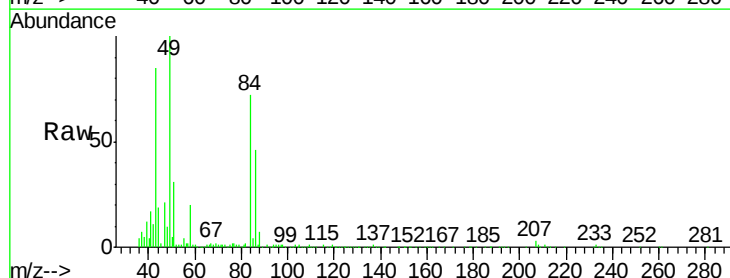
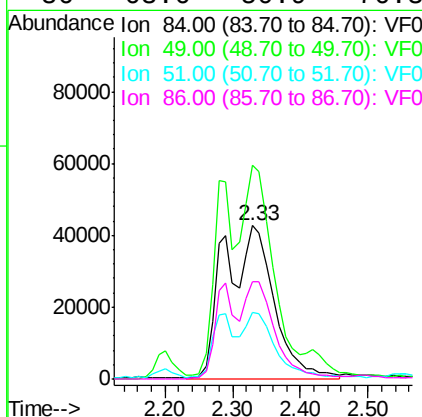
Manual Integrations  
APPROVED

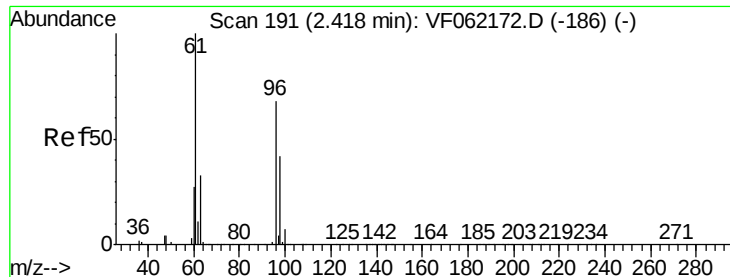
MMDadoda  
4/17/2019 11:50:17 AM



#20  
Methylene Chloride  
Concen: 43.872 ug/l m  
RT: 2.33 min Scan# 182  
Delta R.T. 0.00 min  
Lab File: VF062172.D  
Acq: 16 Apr 2019 12:16

Tgt Ion: 84 Resp: 219300  
Ion Ratio Lower Upper  
84 100  
49 139.4 111.5 167.3  
51 43.6 34.9 52.3  
86 63.6 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 49.506 ug/l

RT: 2.42 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

Instrument :

MSVOA\_F

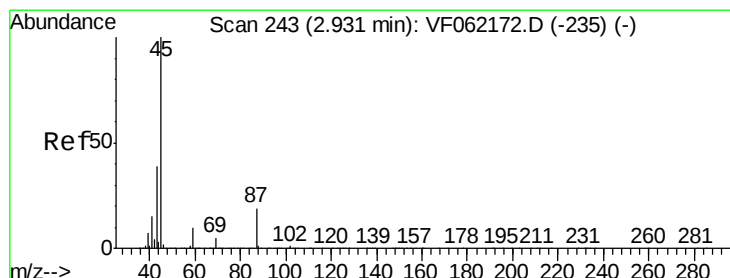
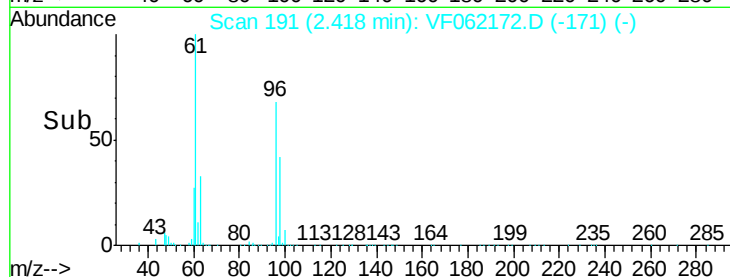
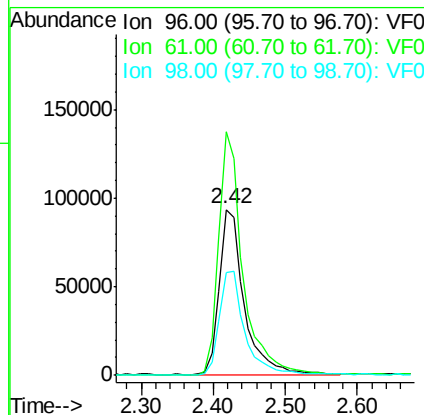
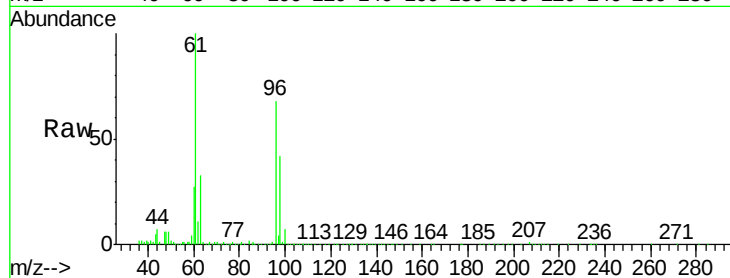
ClientSampleId :

VSTDICCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 223381 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 146.8 | 117.4 | 176.2  |
| 98       | 62.3  | 49.8  | 74.8   |

Manual Integrations  
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MMDadoda  
4/17/2019 11:50:17 AM



#22

Diisopropyl ether

Concen: 50.480 ug/l

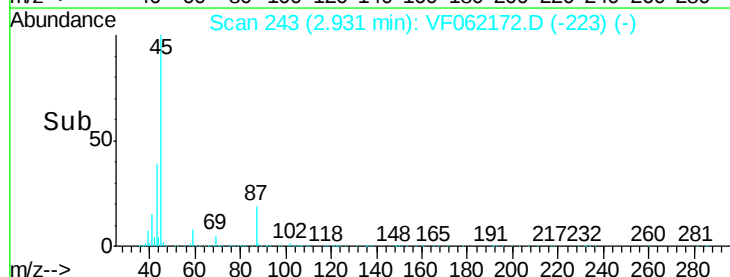
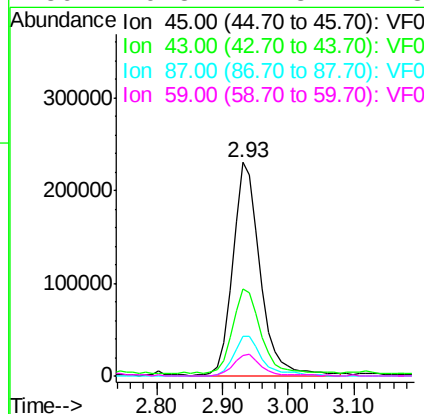
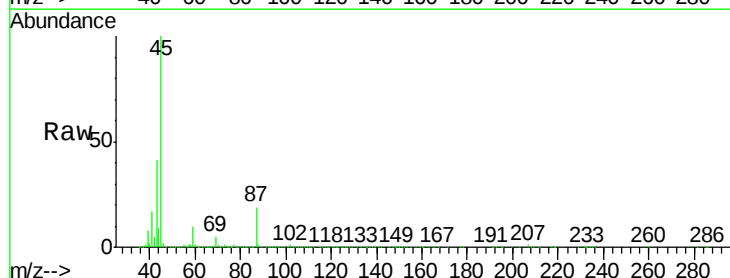
RT: 2.93 min Scan# 243

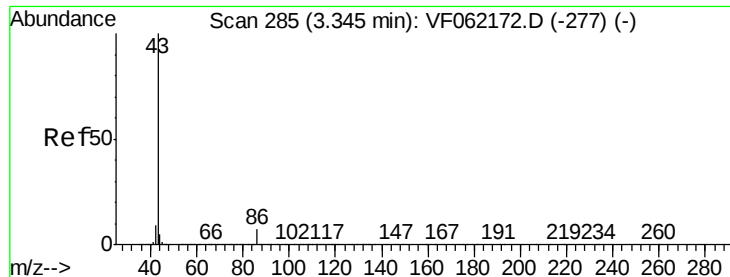
Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 666314 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 40.6  | 32.5  | 48.7   |
| 87       | 18.6  | 14.9  | 22.3   |
| 59       | 9.8   | 7.8   | 11.8   |





#23

Vinyl Acetate

Concen: 257.237 ug/l

RT: 3.34 min Scan# 285

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

Instrument :

MSVOA\_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1693714

Ion Ratio Lower Upper

43 100

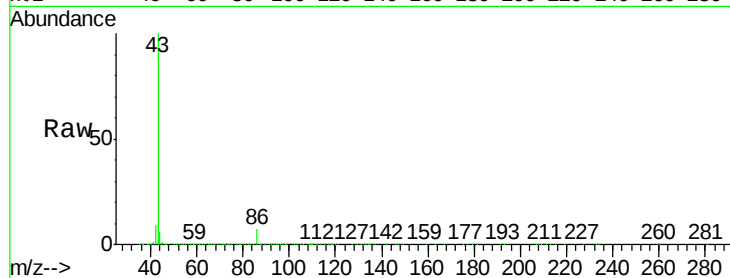
86 7.4 5.9 8.9

Manual Integrations

APPROVED

MMDadoda

4/17/2019 11:50:17 AM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.34

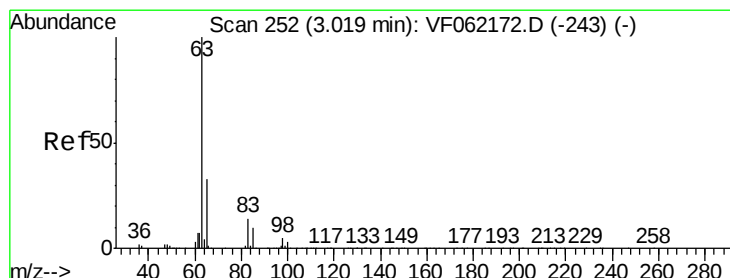
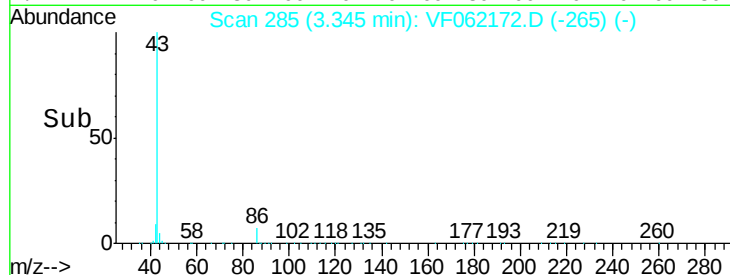
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.271 ug/l

RT: 3.02 min Scan# 252

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

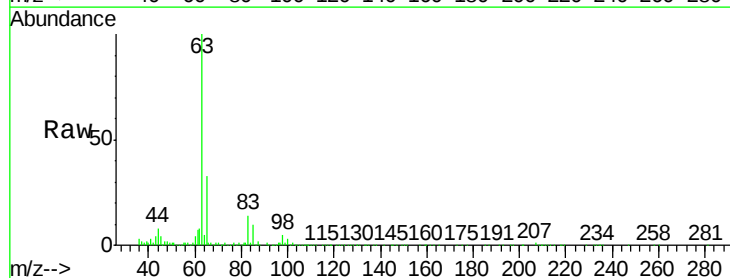
Tgt Ion: 63 Resp: 369519

Ion Ratio Lower Upper

63 100

98 5.3 2.6 8.0

100 3.4 1.7 5.1



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

3.02

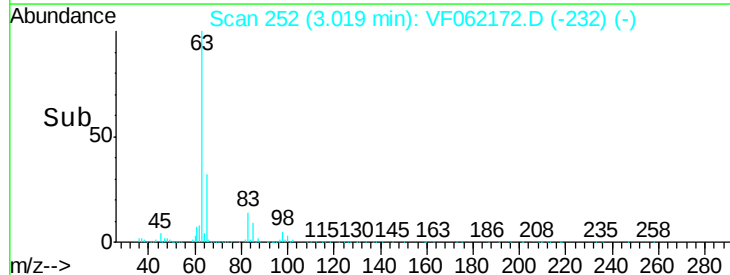
150000

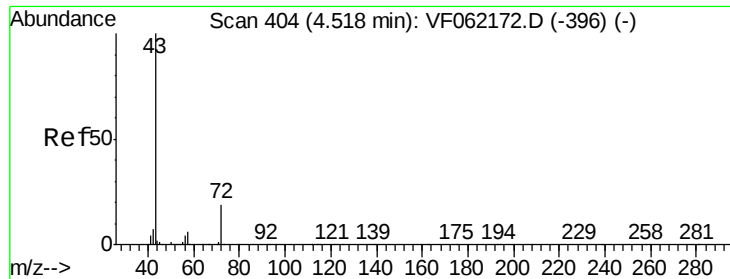
100000

50000

0

Time-->





#25

2-Butanone

Concen: 252.678 ug/l

RT: 4.52 min Scan# 404

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

Instrument :

MSVOA\_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 473681

Ion Ratio Lower Upper

43 100

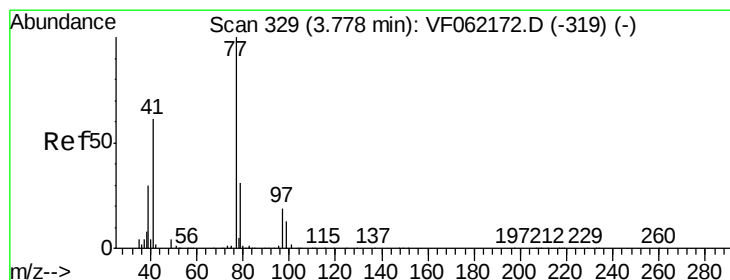
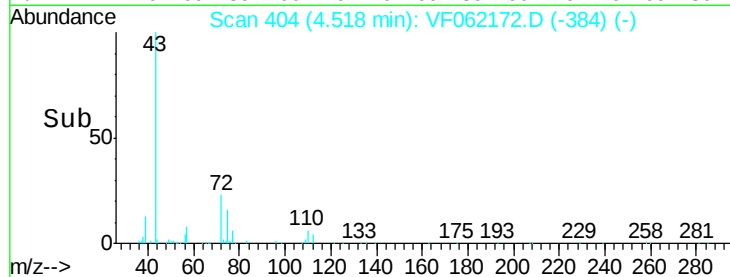
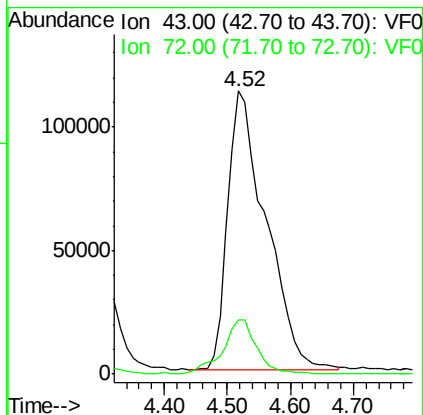
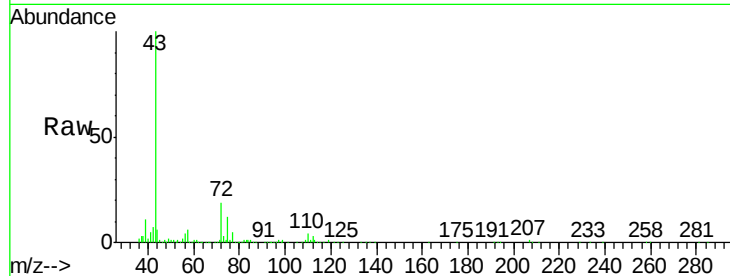
72 19.3 15.4 23.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 47.742 ug/l

RT: 3.78 min Scan# 329

Delta R.T. 0.00 min

Lab File: VF062172.D

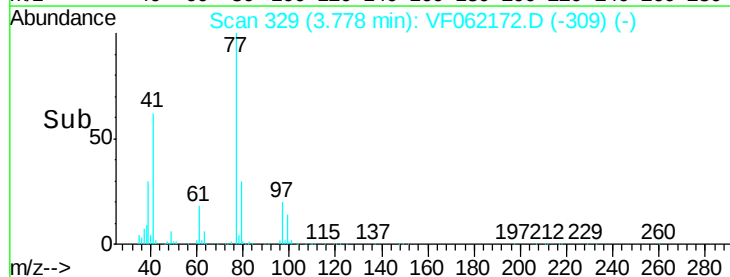
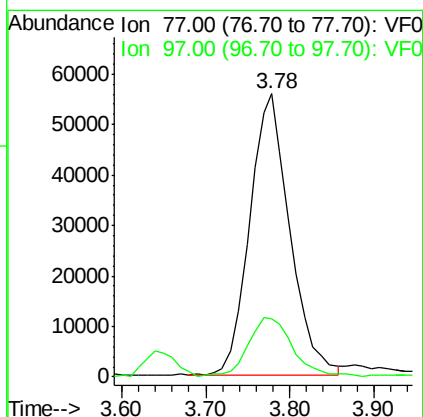
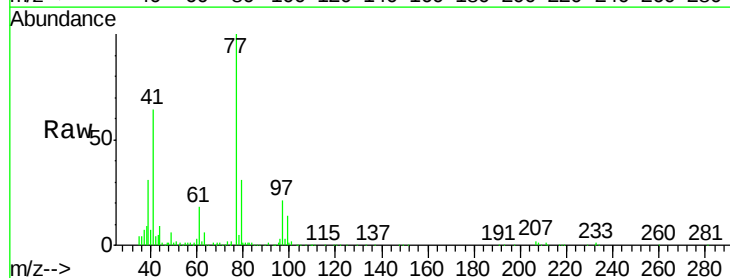
Acq: 16 Apr 2019 12:16

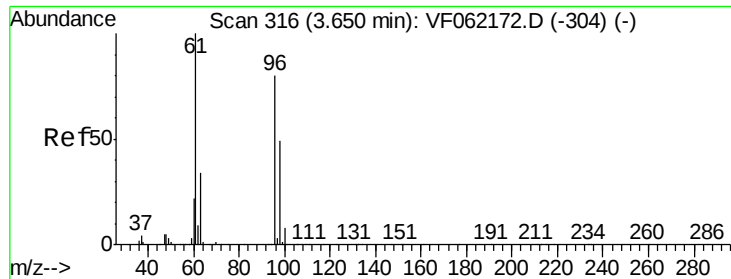
Tgt Ion: 77 Resp: 184582

Ion Ratio Lower Upper

77 100

97 20.6 10.3 30.9





#27

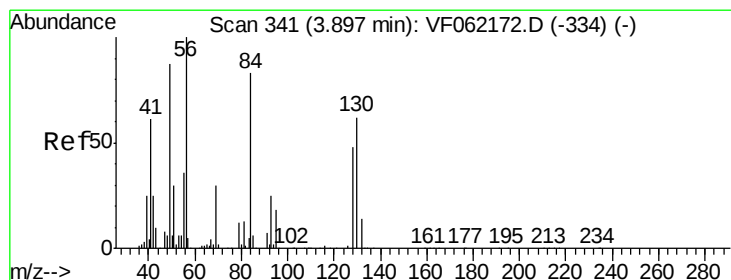
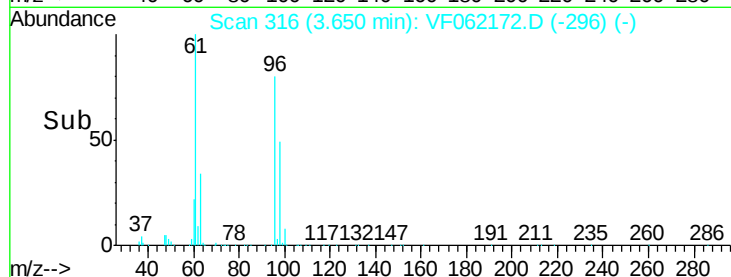
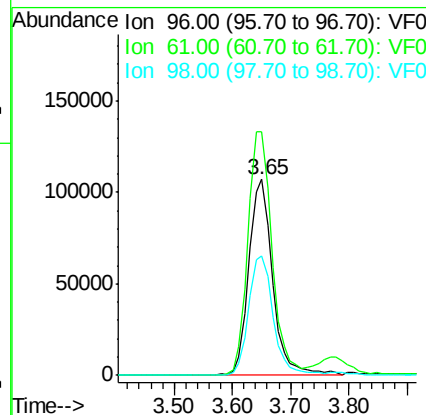
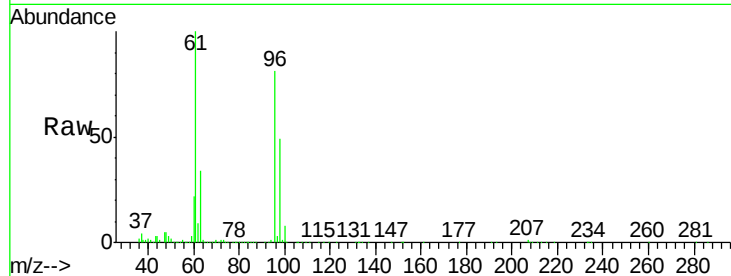
cis-1,2-Dichloroethene  
Concen: 51.723 ug/l  
RT: 3.65 min Scan# 316  
Delta R.T. 0.00 min  
Lab File: VF062172.D  
Acq: 16 Apr 2019 12:16

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 309795 |       |       |
| 61      | 124.1 |        | 0.0   | 248.2 |
| 98      | 61.2  |        | 0.0   | 122.4 |

Manual Integrations  
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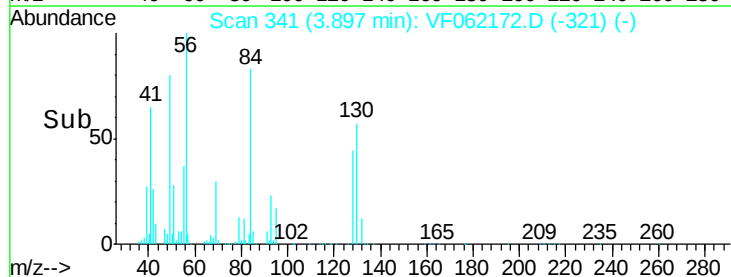
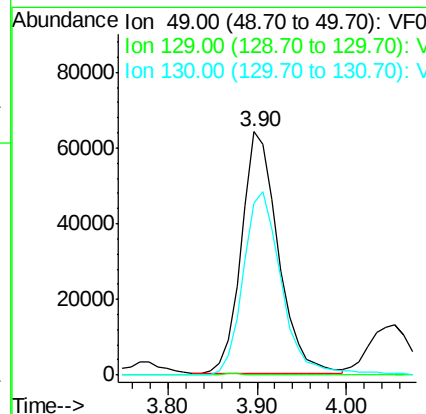
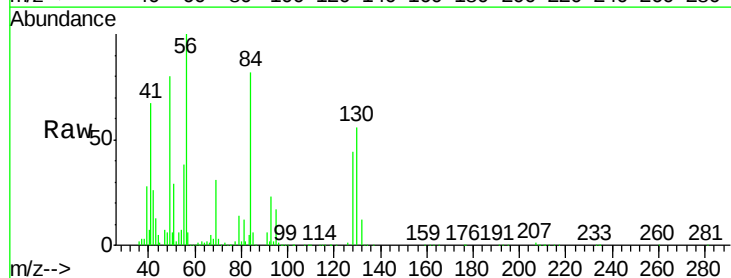
MMDadoda  
4/17/2019 11:50:17 AM

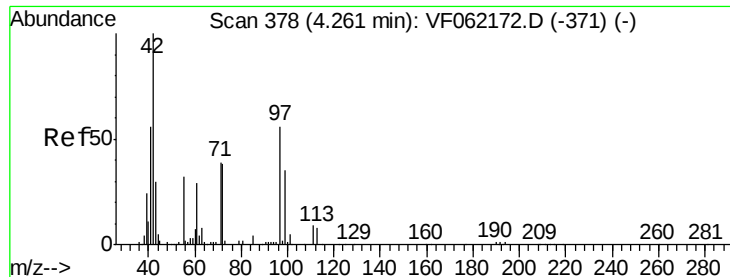


#28

Bromochloromethane  
Concen: 52.410 ug/l  
RT: 3.90 min Scan# 341  
Delta R.T. 0.00 min  
Lab File: VF062172.D  
Acq: 16 Apr 2019 12:16

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 184468 |       |       |
| 129     | 0.0   |        | 0.0   | 0.0   |
| 130     | 70.6  |        | 56.5  | 84.7  |





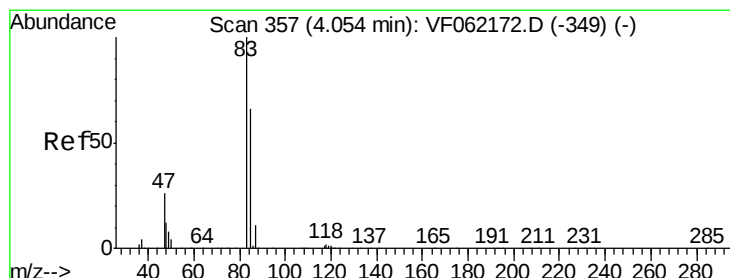
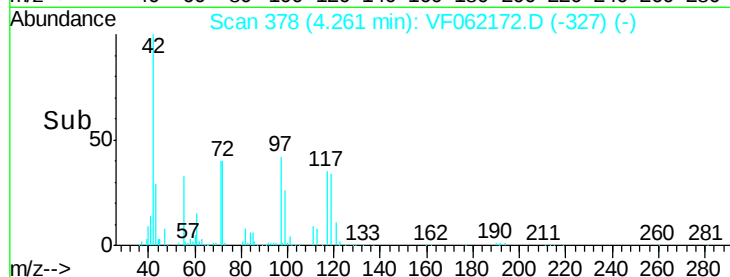
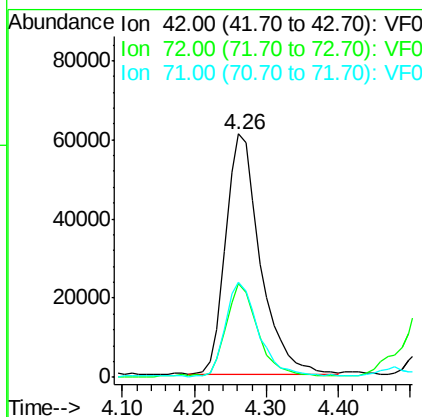
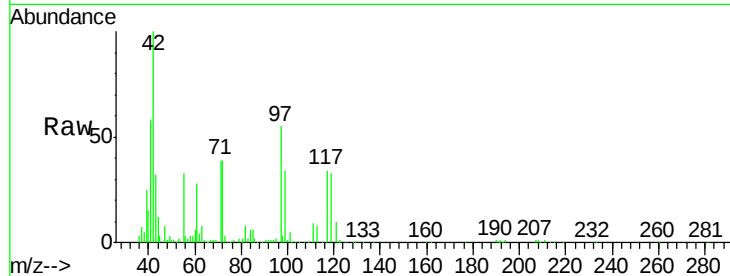
#29  
Tetrahydrofuran  
Concen: 242.458 ug/l  
RT: 4.26 min Scan# 378  
Delta R.T. 0.00 min  
Lab File: VF062172.D  
Acq: 16 Apr 2019 12:16

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 35.9  | 28.7  | 43.1  |
| 71      | 38.5  | 30.8  | 46.2  |

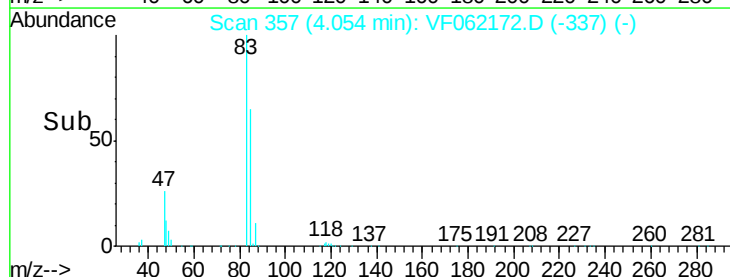
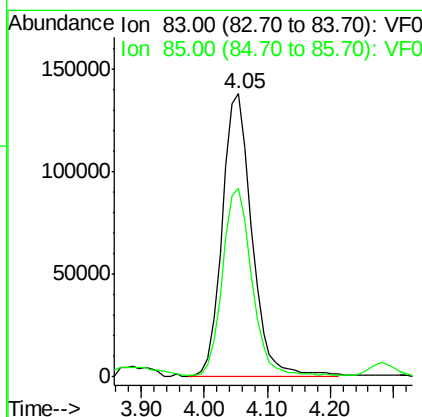
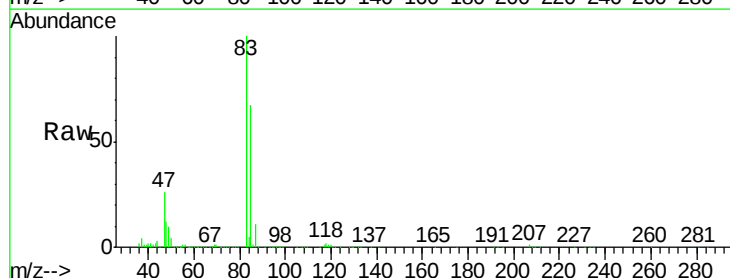
Manual Integrations  
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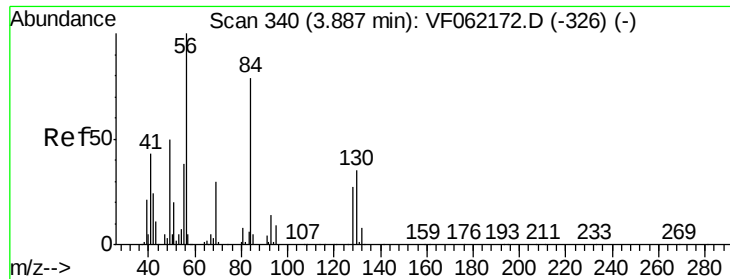
MMDadoda  
4/17/2019 11:50:17 AM



#30  
Chloroform  
Concen: 49.562 ug/l  
RT: 4.05 min Scan# 357  
Delta R.T. 0.00 min  
Lab File: VF062172.D  
Acq: 16 Apr 2019 12:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 66.9  | 53.5  | 80.3  |





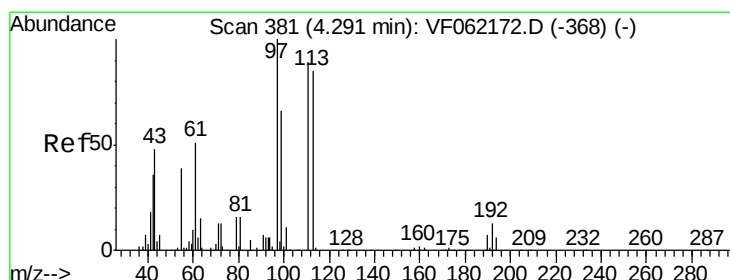
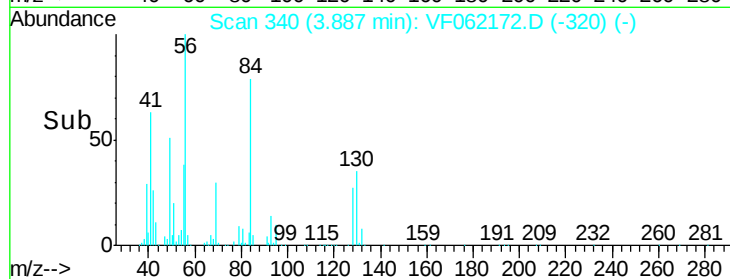
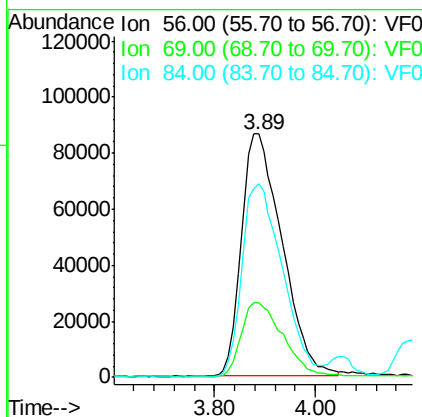
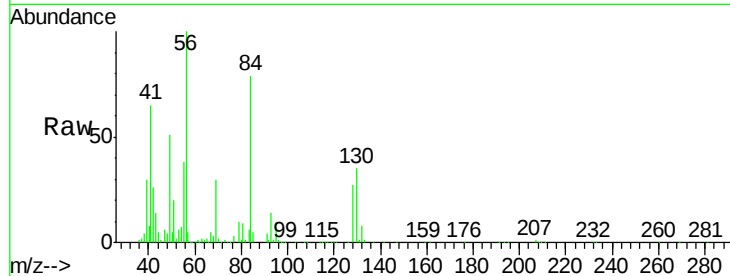
#31  
Cyclohexane  
Concen: 50.935 ug/l  
RT: 3.89 min Scan# 340  
Delta R.T. 0.00 min  
Lab File: VF062172.D  
Acq: 16 Apr 2019 12:16

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 30.5  | 24.4  | 36.6  |
| 84      | 79.3  | 63.4  | 95.2  |

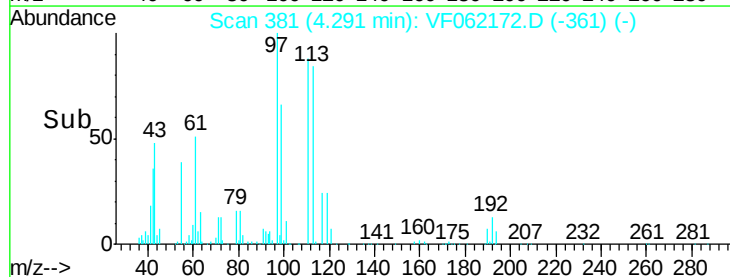
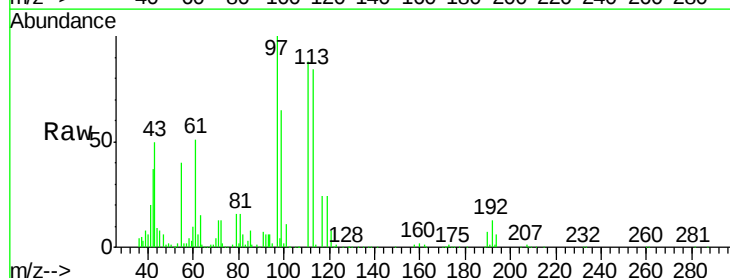
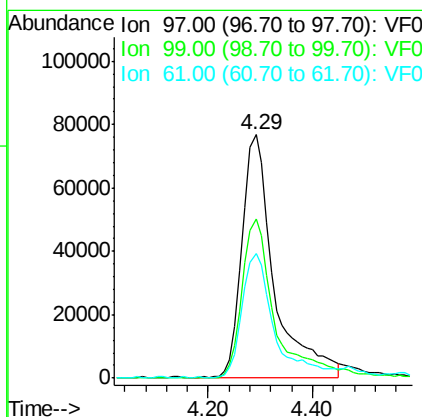
Manual Integrations  
APPROVED

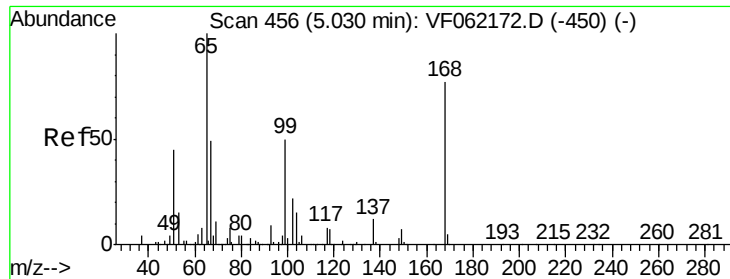
MMDadoda  
4/17/2019 11:50:17 AM



#32  
1,1,1-Trichloroethane  
Concen: 51.403 ug/l  
RT: 4.29 min Scan# 381  
Delta R.T. 0.00 min  
Lab File: VF062172.D  
Acq: 16 Apr 2019 12:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 65.4  | 52.3  | 78.5  |
| 61      | 51.1  | 40.9  | 61.3  |





#33

1,2-Dichloroethane-d4

Concen: 54.623 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

Instrument :

MSVOA\_F

ClientSampleId :

VSTDICCC050

Tot Ion: 65 Resp: 211351

Ion Ratio Lower Upper

65 100

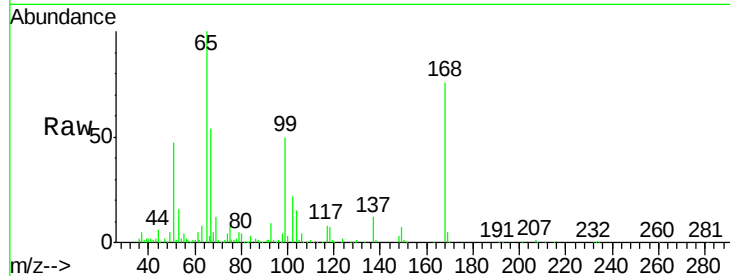
67 53.9 0.0 107.8

Manual Integrations

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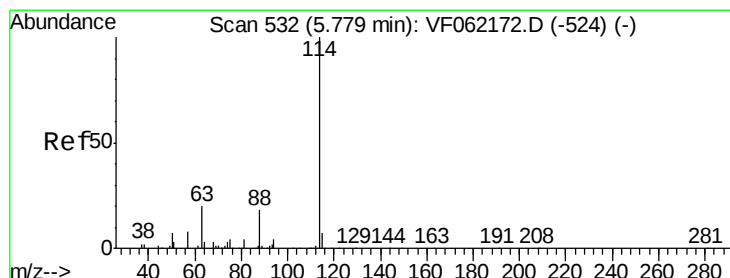
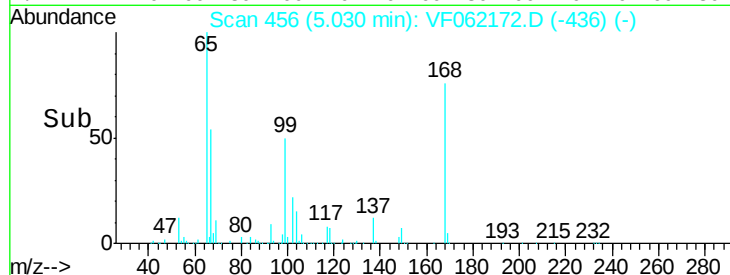
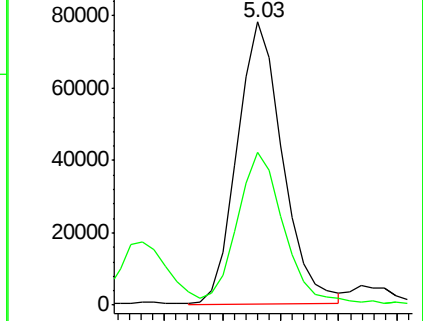
MMDadoda

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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 532

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

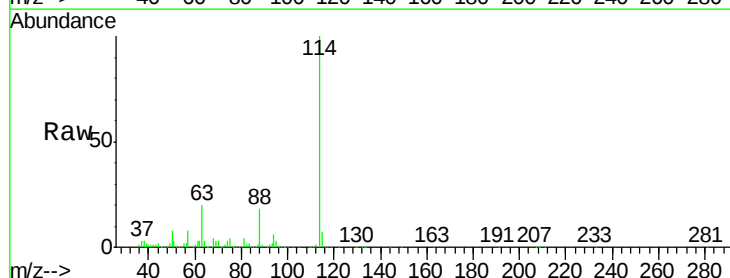
Tgt Ion: 114 Resp: 680838

Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.0

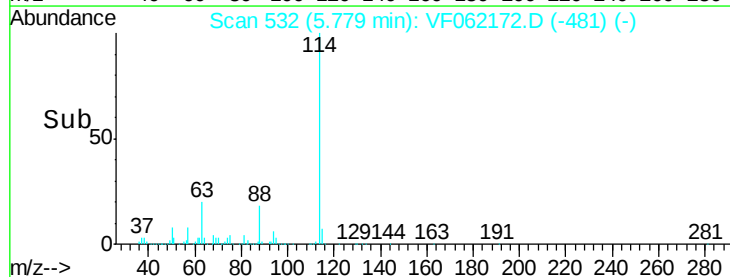
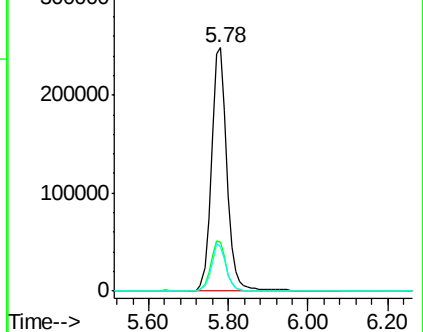
88 18.3 0.0 36.6

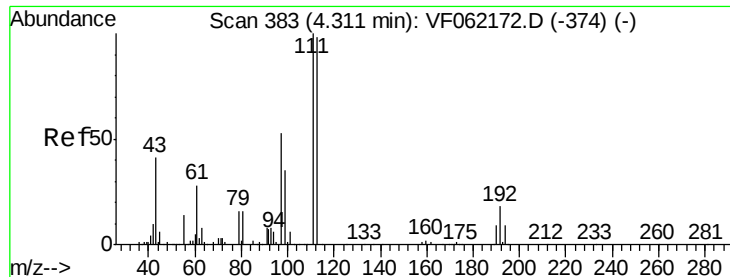


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 52.694 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

Instrument :

MSVOA\_F

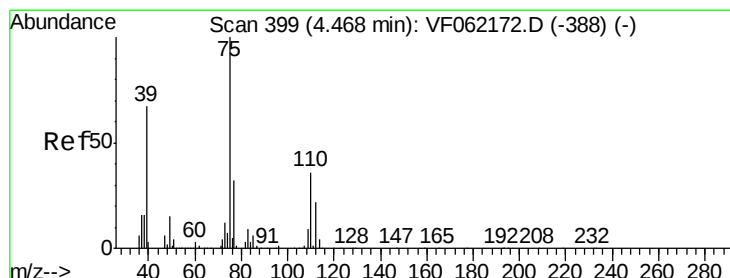
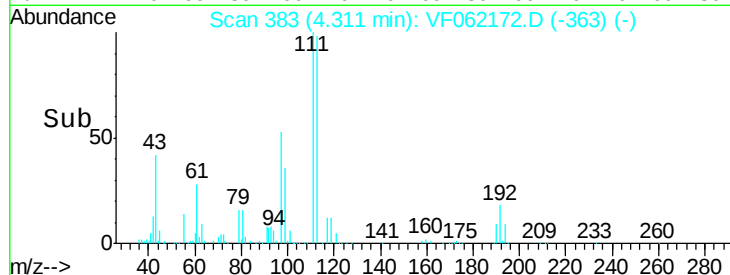
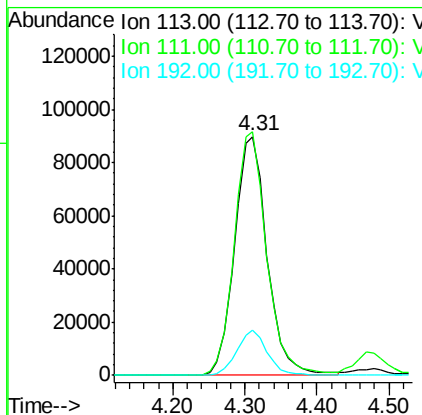
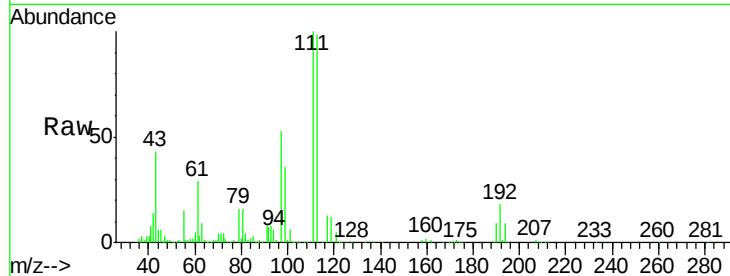
ClientSampleId :

VSTDICCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 283001 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 102.0 | 81.6  | 122.4  |
| 192       | 18.7  | 15.0  | 22.4   |

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4/17/2019 11:50:17 AM



#36

1,1-Dichloropropene

Concen: 49.766 ug/l

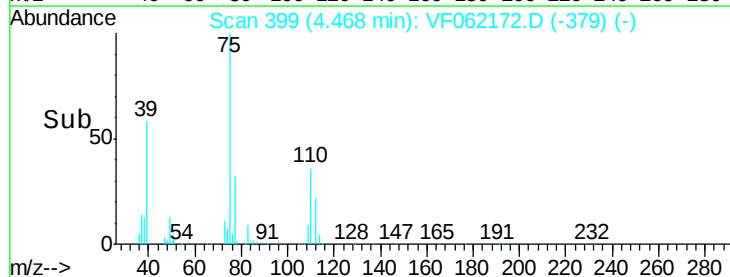
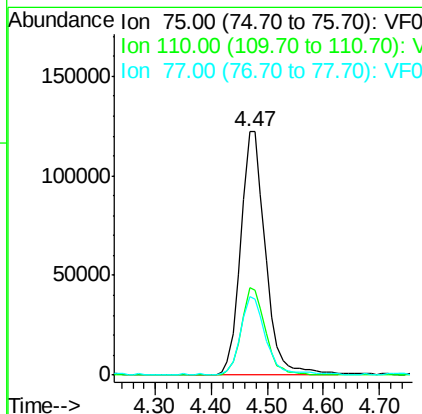
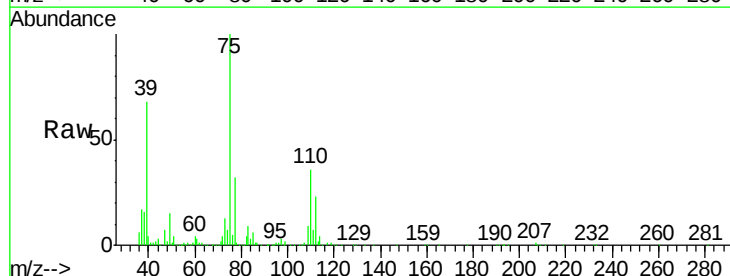
RT: 4.47 min Scan# 399

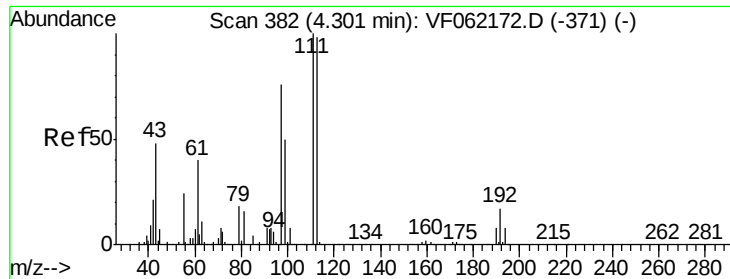
Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 376459 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 110       | 35.9  | 17.9  | 53.8   |
| 77        | 32.0  | 25.6  | 38.4   |





#37

Ethyl Acetate

Concen: 47.466 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

Instrument :

MSVOA\_F

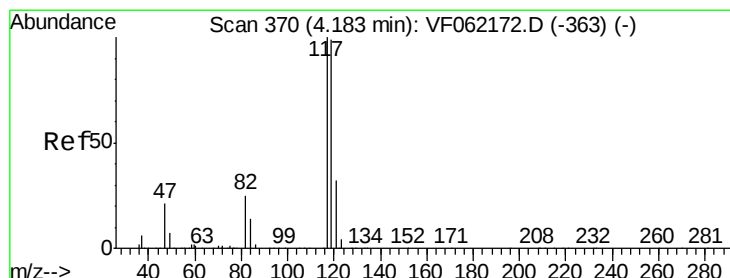
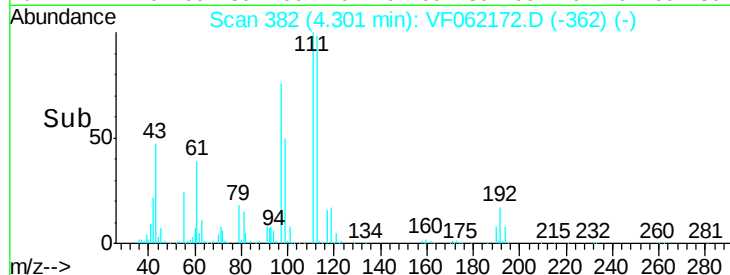
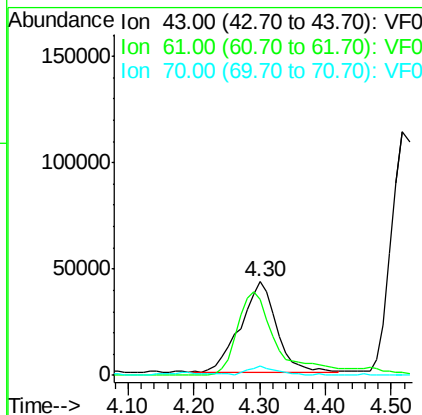
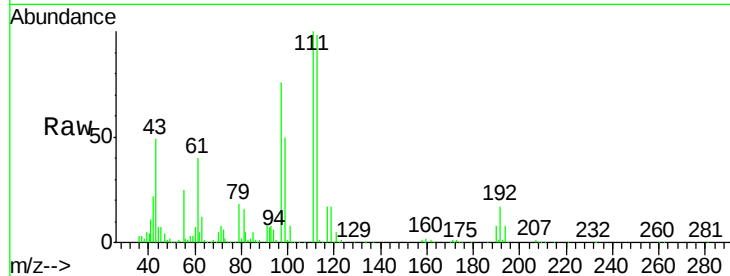
ClientSampleId :

VSTDICCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 165446 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 81.1  | 64.9  | 97.3   |
| 70       | 9.8   | 7.8   | 11.8   |

Manual Integrations  
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MMDadoda  
4/17/2019 11:50:17 AM



#38

Carbon Tetrachloride

Concen: 48.399 ug/l m

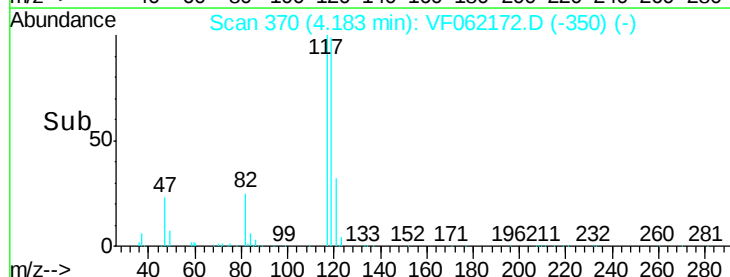
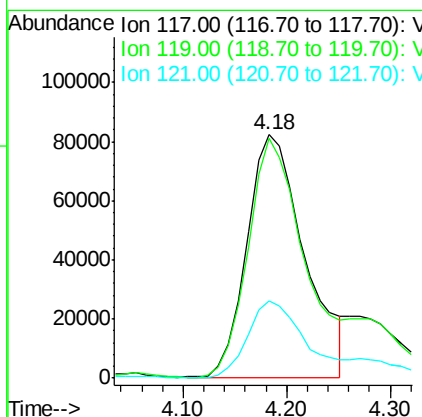
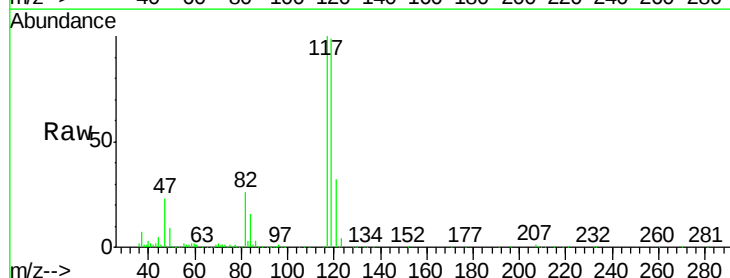
RT: 4.18 min Scan# 370

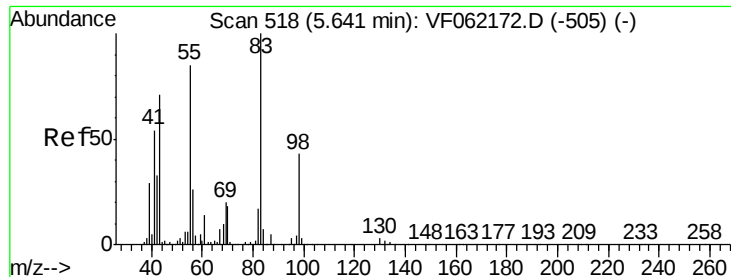
Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 320205 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 98.6  | 78.9  | 118.3  |
| 121      | 31.6  | 25.3  | 37.9   |





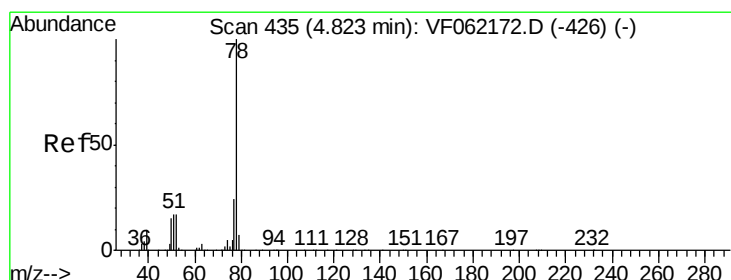
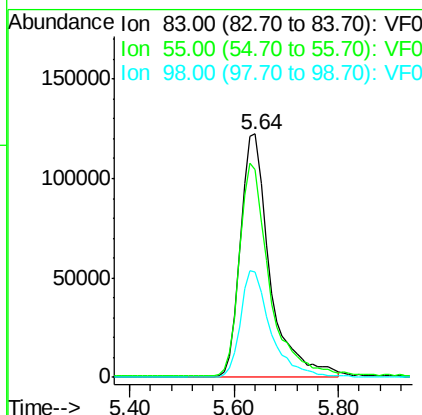
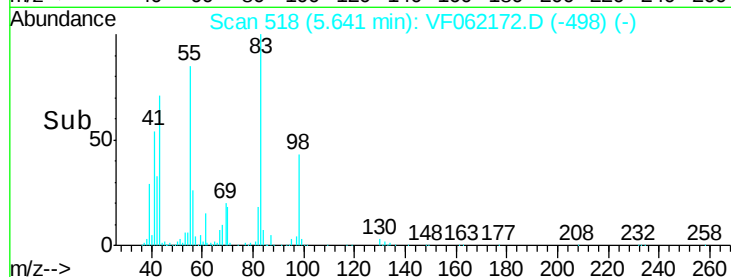
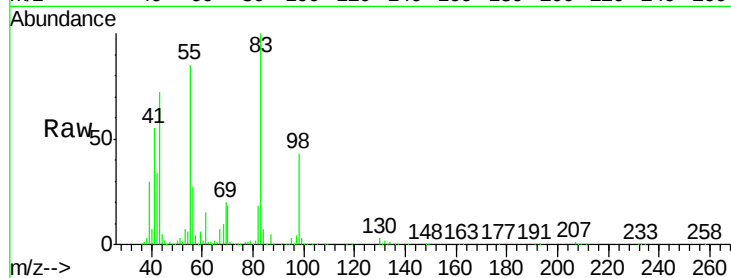
#39  
Methvlcvclohexane  
Concen: 49.310 ug/l  
RT: 5.64 min Scan# 518  
Delta R.T. 0.00 min  
Lab File: VF062172.D  
Acq: 16 Apr 2019 12:16

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 85.2  | 68.2  | 102.2 |
| 98      | 43.0  | 34.4  | 51.6  |

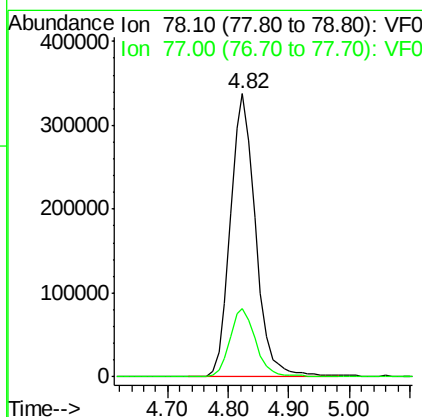
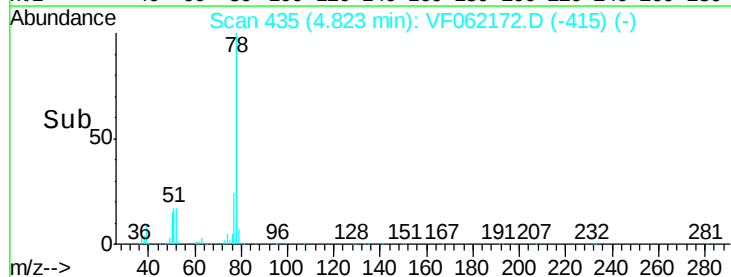
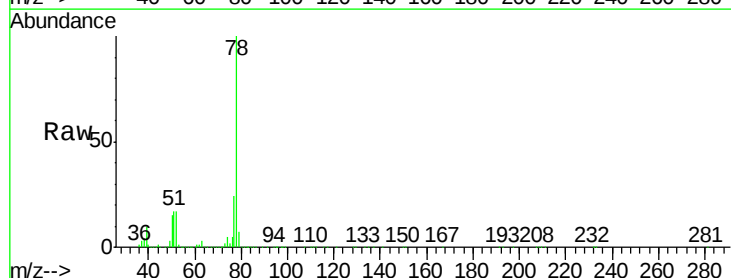
Manual Integrations  
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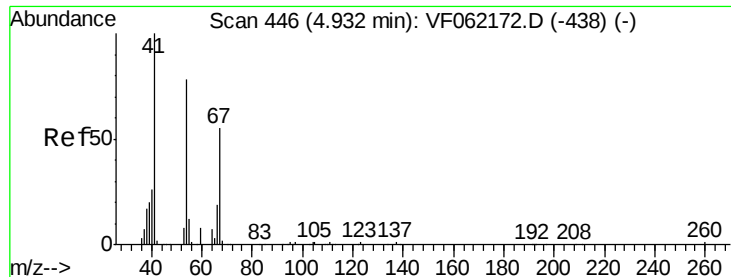
MMDadoda  
4/17/2019 11:50:17 AM



#40  
Benzene  
Concen: 48.671 ug/l  
RT: 4.82 min Scan# 435  
Delta R.T. 0.00 min  
Lab File: VF062172.D  
Acq: 16 Apr 2019 12:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.9  | 19.1  | 28.7  |





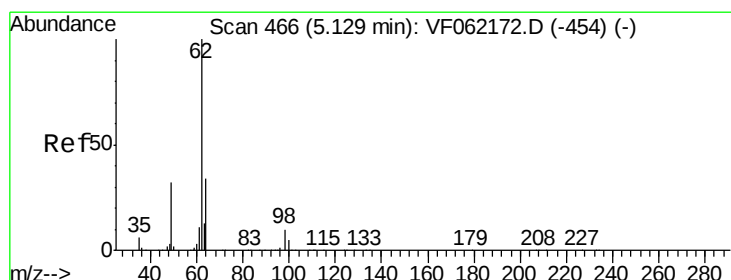
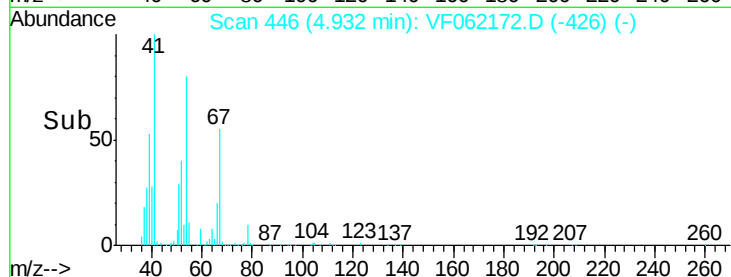
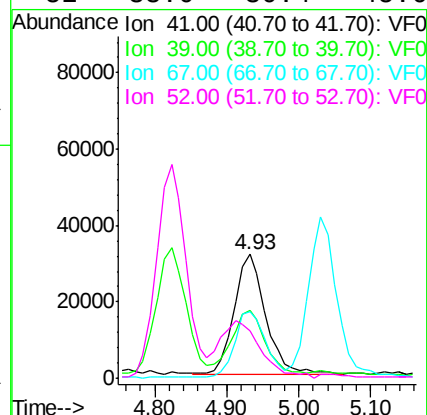
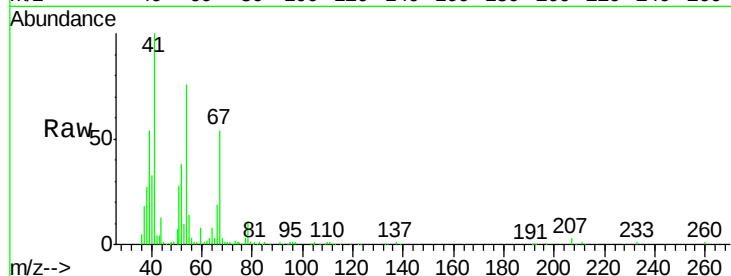
#41  
Methacrylonitrile  
Concen: 45.029 ug/l  
RT: 4.93 min Scan# 446  
Delta R.T. 0.00 min  
Lab File: VF062172.D  
Acq: 16 Apr 2019 12:16

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 54.4 | 43.5  | 65.3  |       |
| 67      | 53.6 | 42.9  | 64.3  |       |
| 52      | 38.0 | 30.4  | 45.6  |       |

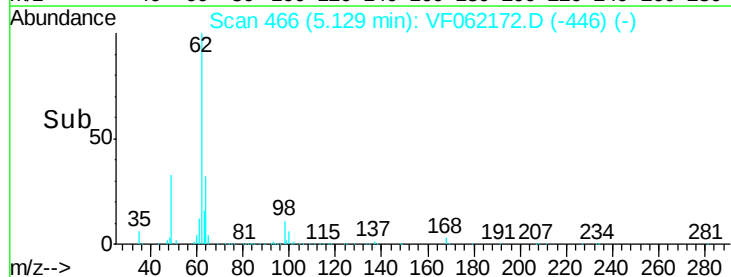
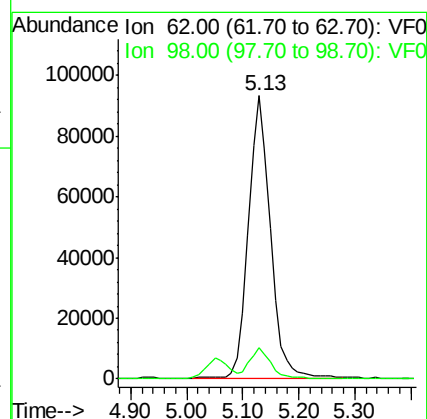
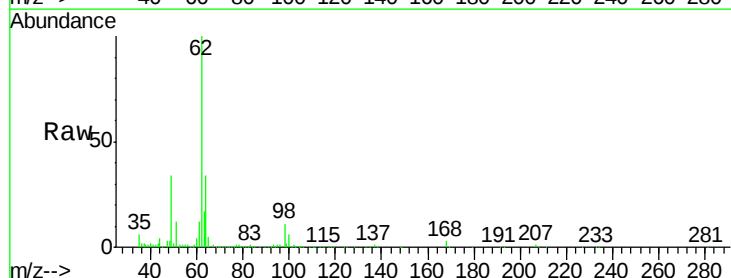
Manual Integrations  
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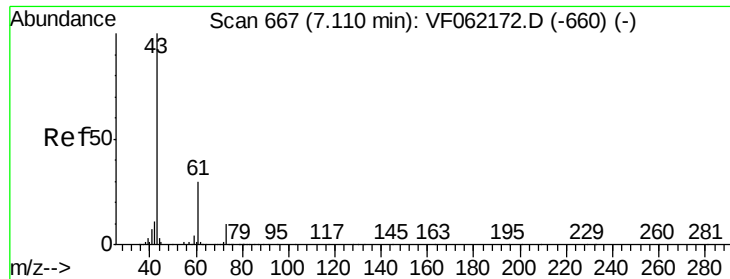
MMDadoda  
4/17/2019 11:50:17 AM



#42  
1,2-Dichloroethane  
Concen: 50.782 ug/l  
RT: 5.13 min Scan# 466  
Delta R.T. 0.00 min  
Lab File: VF062172.D  
Acq: 16 Apr 2019 12:16

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 62      | 100  |       |       |       |
| 98      | 11.0 | 0.0   | 22.0  |       |





#43

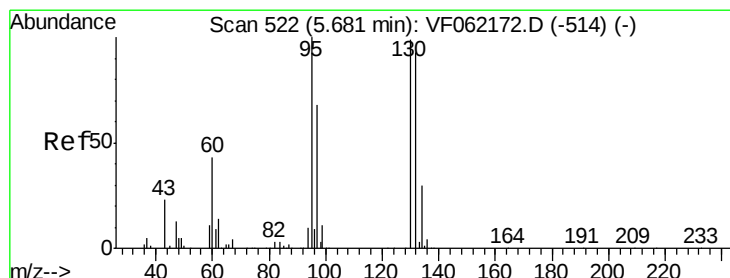
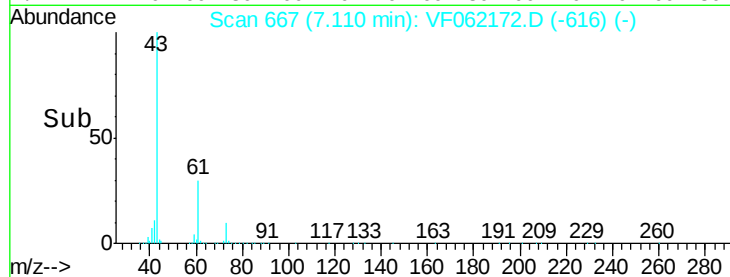
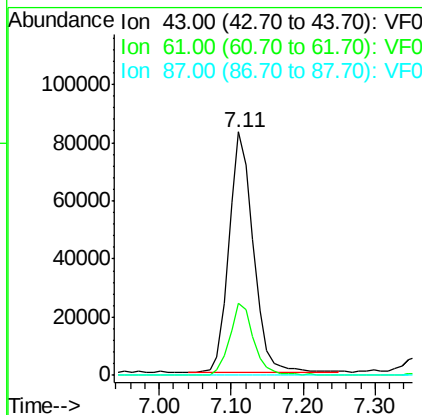
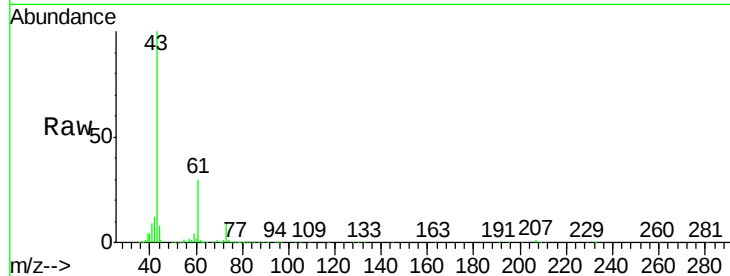
Isopropyl Acetate  
 Concen: 47.814 ug/l  
 RT: 7.11 min Scan# 667  
 Delta R.T. 0.00 min  
 Lab File: VF062172.D  
 Acq: 16 Apr 2019 12:16

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 29.6  | 23.7  | 35.5  |
| 87      | 0.4   | 0.3   | 0.5   |

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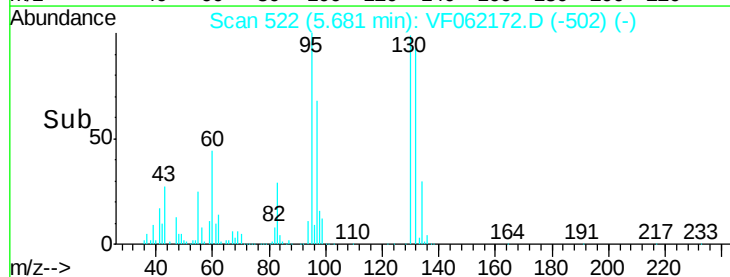
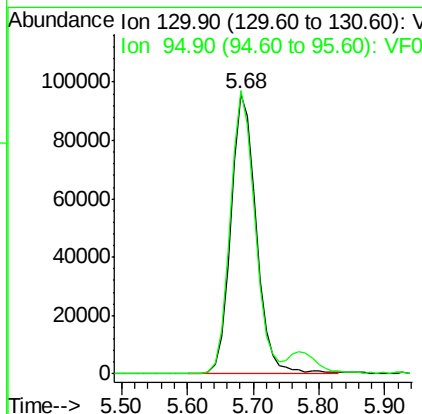
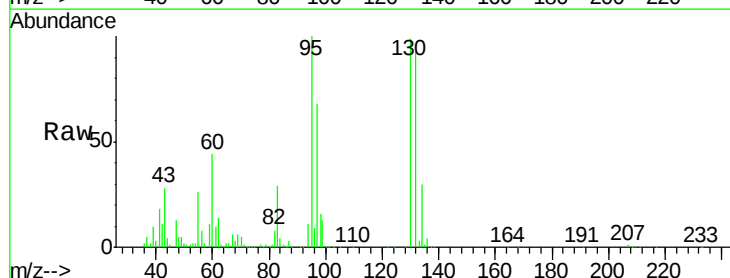
MMDadoda  
 4/17/2019 11:50:17 AM

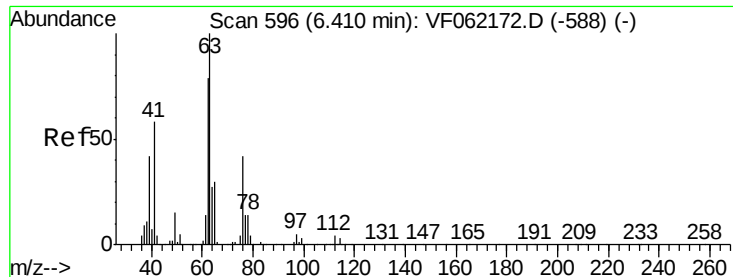


#44

Trichloroethene  
 Concen: 48.655 ug/l  
 RT: 5.68 min Scan# 522  
 Delta R.T. 0.00 min  
 Lab File: VF062172.D  
 Acq: 16 Apr 2019 12:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 101.1 | 0.0   | 202.2 |





#45

1,2-Dichloropropane

Concen: 48.299 ug/l

RT: 6.41 min Scan# 596

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

Instrument :

MSVOA\_F

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 236762

Ion Ratio Lower Upper

63 100

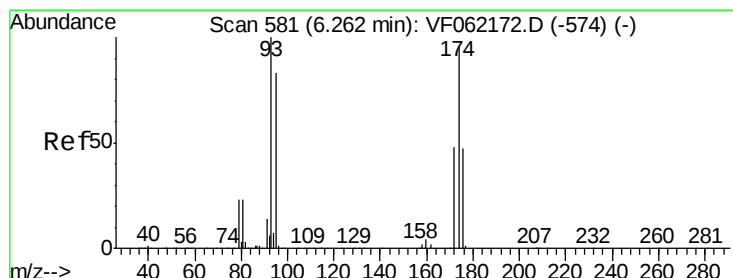
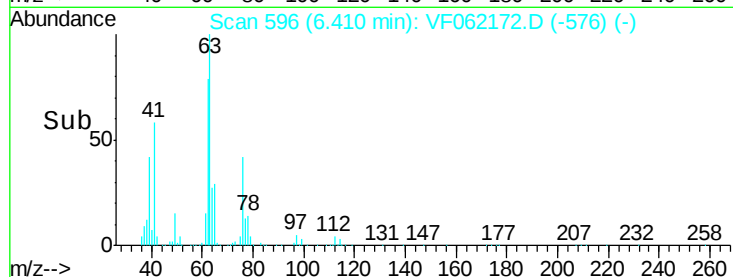
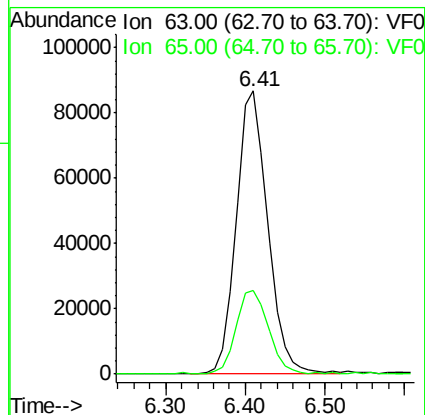
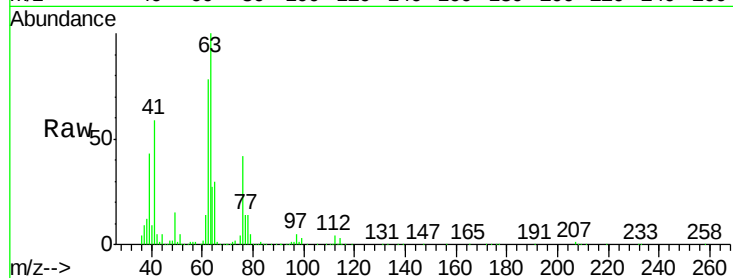
65 29.6 23.7 35.5

Manual Integrations

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#46

Dibromomethane

Concen: 48.853 ug/l

RT: 6.26 min Scan# 581

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

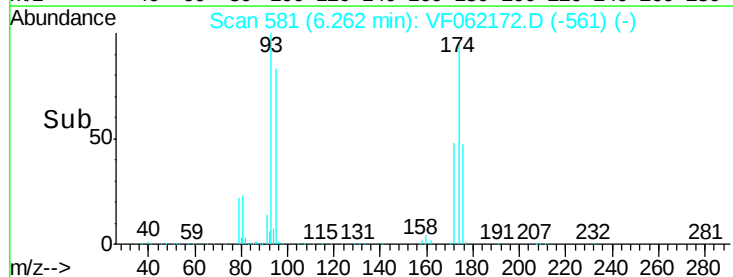
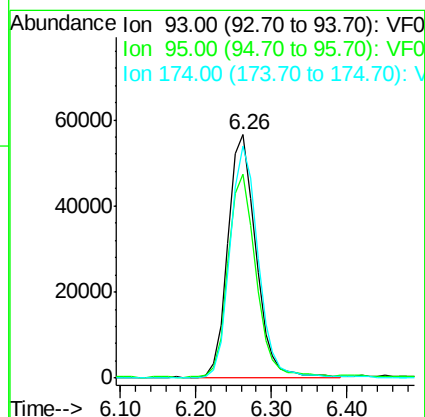
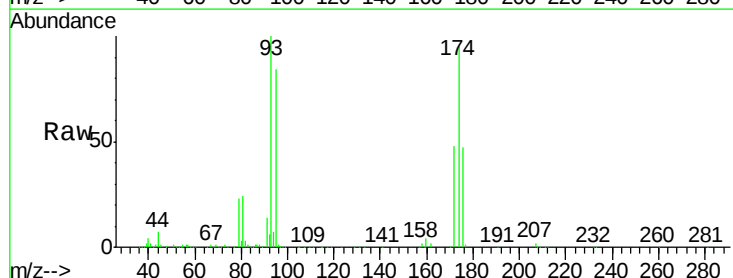
Tgt Ion: 93 Resp: 144407

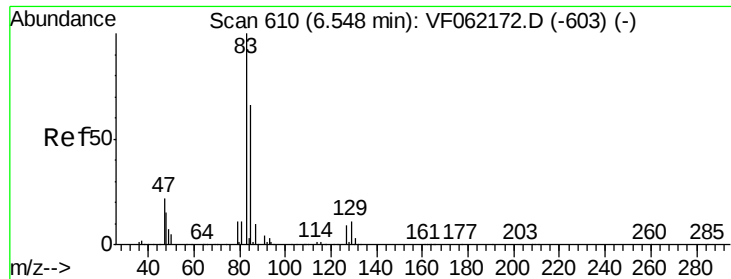
Ion Ratio Lower Upper

93 100

95 83.8 67.0 100.6

174 95.4 76.3 114.5





#47

Bromodichloromethane

Concen: 48.920 ug/l

RT: 6.55 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

Instrument :

MSVOA\_F

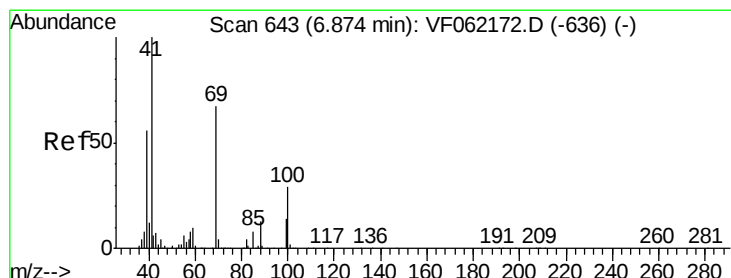
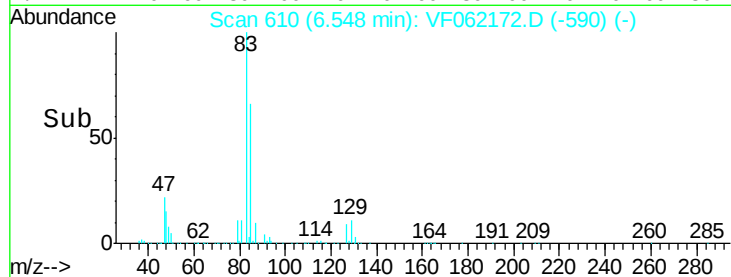
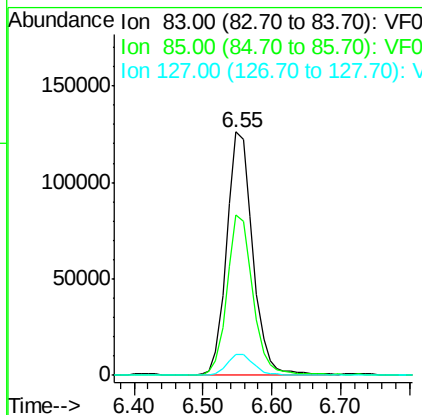
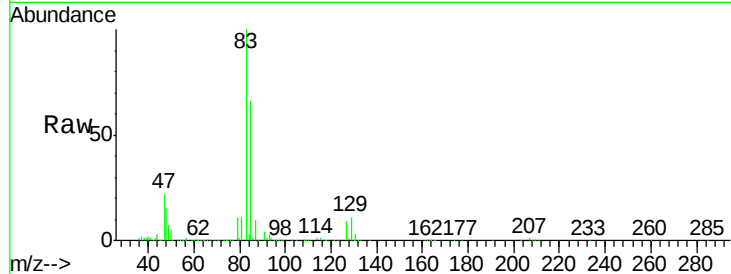
ClientSampleId :

VSTDICCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 327607 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 65.8  | 52.6  | 79.0   |
| 127       | 8.5   | 6.8   | 10.2   |

Manual Integrations  
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4/17/2019 11:50:17 AM



#48

Methyl methacrylate

Concen: 48.181 ug/l

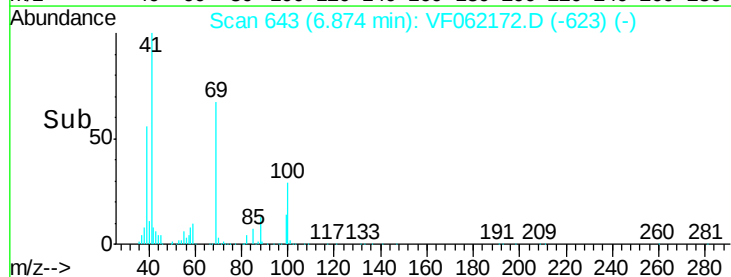
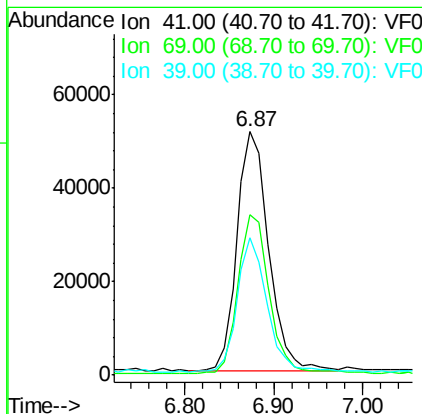
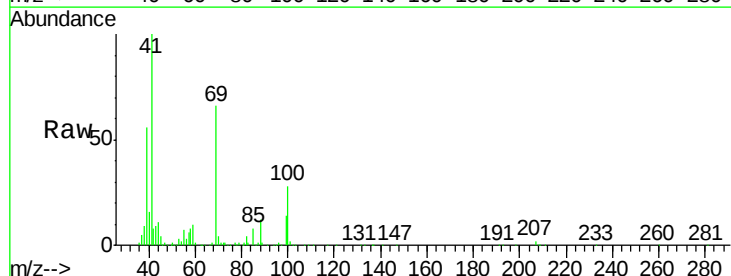
RT: 6.87 min Scan# 643

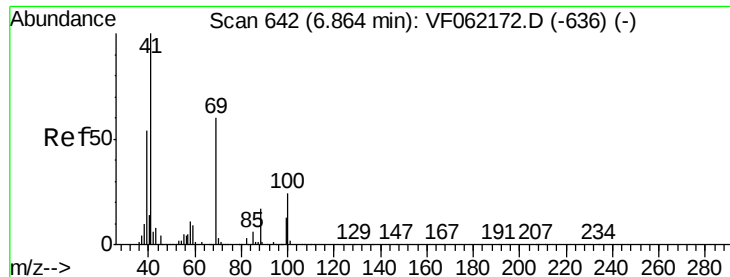
Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 127043 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 66.0  | 52.8  | 79.2   |
| 39        | 56.2  | 45.0  | 67.4   |





#49

1,4-Dioxane

Concen: 1000.139 ug/l

RT: 6.86 min Scan# 642

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

Instrument :

MSVOA\_F

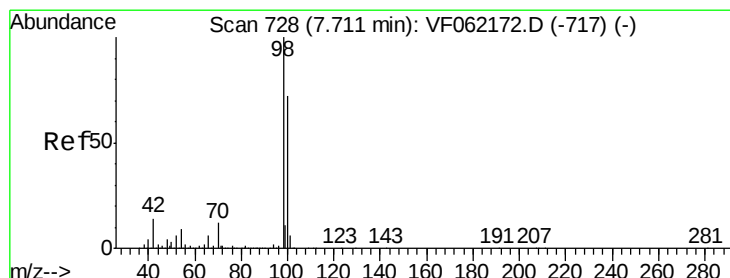
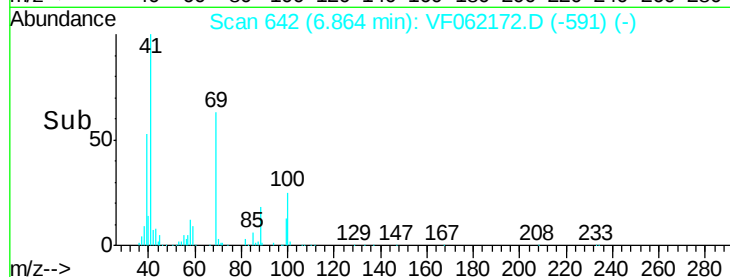
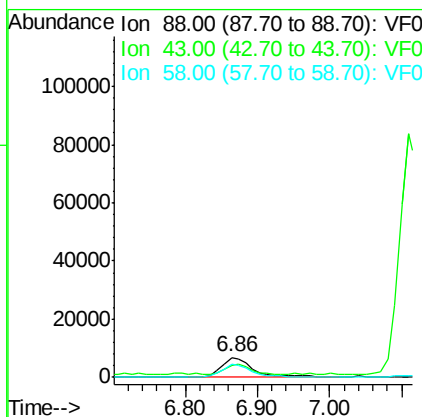
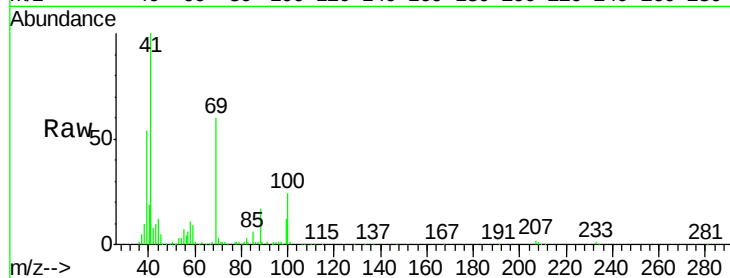
ClientSampleId :

VSTDICCC050

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 88    | Resp: | 20550 |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 43       | 61.9  | 49.5  | 74.3  |
| 58       | 65.8  | 52.6  | 79.0  |

Manual Integrations  
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#50

Toluene-d8

Concen: 53.670 ug/l

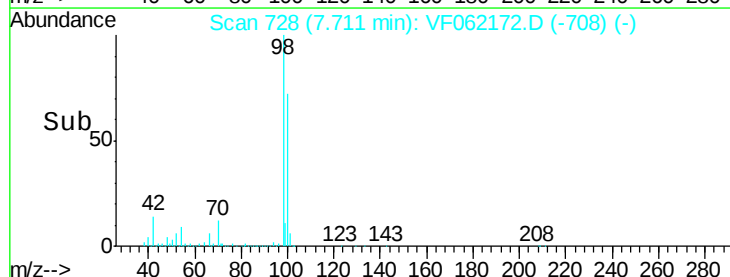
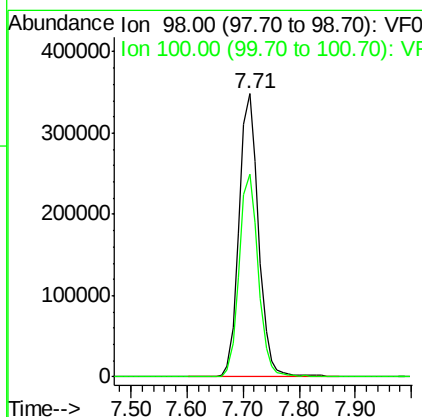
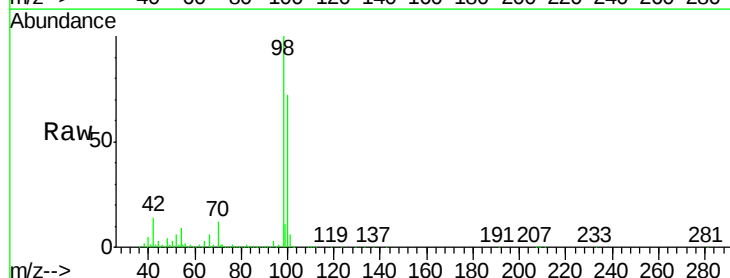
RT: 7.71 min Scan# 728

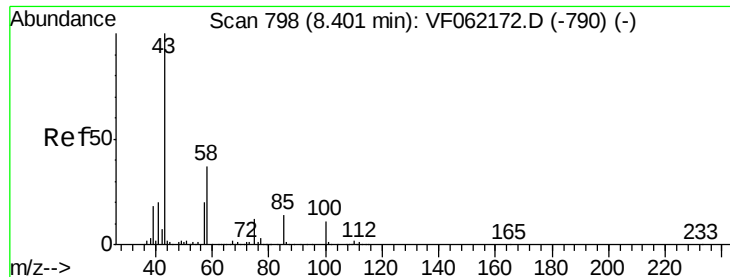
Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 842319 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 71.7  | 57.4  | 86.0   |





#51

4-Methyl-2-Pentanone

Concen: 227.542 ug/l

RT: 8.40 min Scan# 798

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

Instrument :

MSVOA\_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 706126

Ion Ratio Lower Upper

43 100

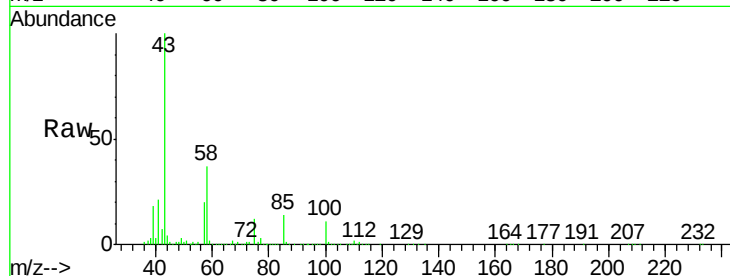
58 37.1 29.7 44.5

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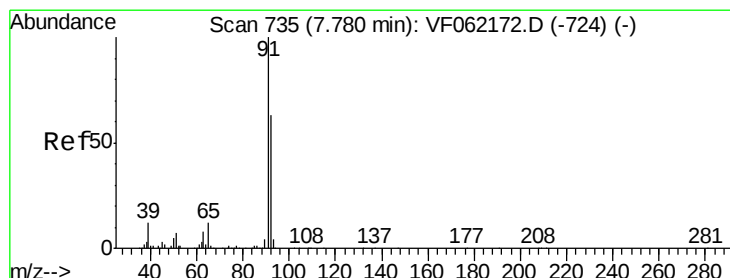
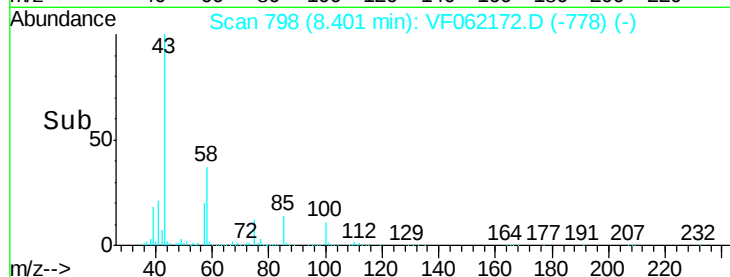
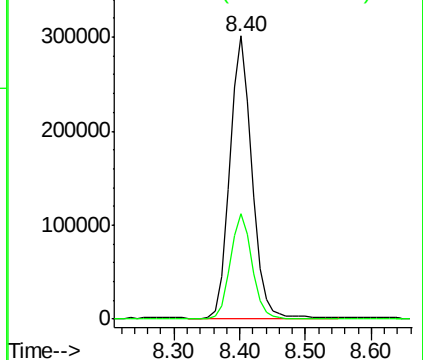
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 48.156 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF062172.D

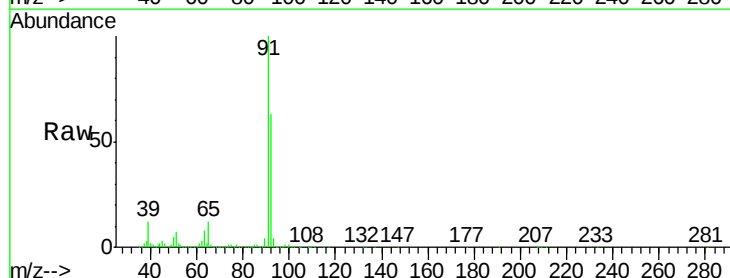
Acq: 16 Apr 2019 12:16

Tgt Ion: 92 Resp: 565280

Ion Ratio Lower Upper

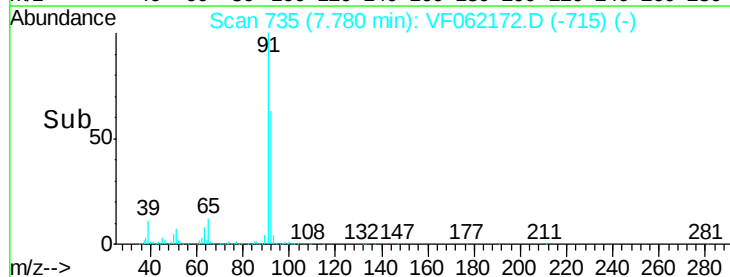
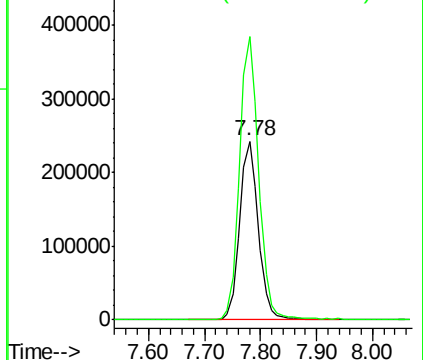
92 100

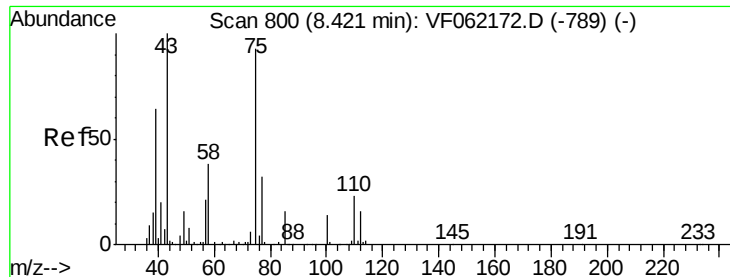
91 158.6 126.9 190.3



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: 47.993 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

Instrument :

MSVOA\_F

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 278386

Ion Ratio Lower Upper

75 100

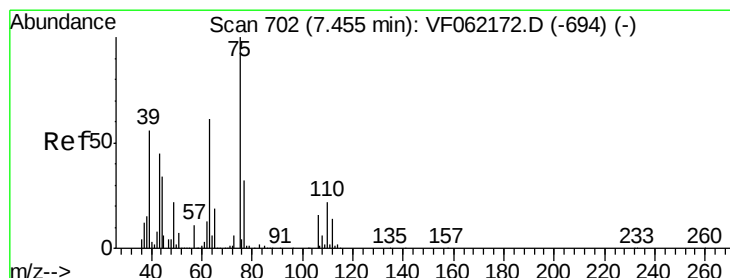
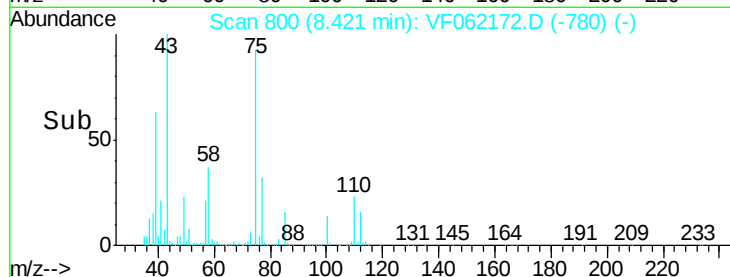
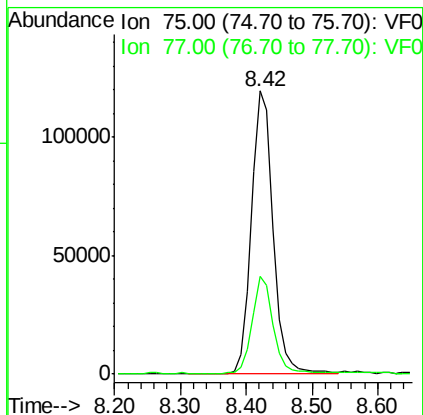
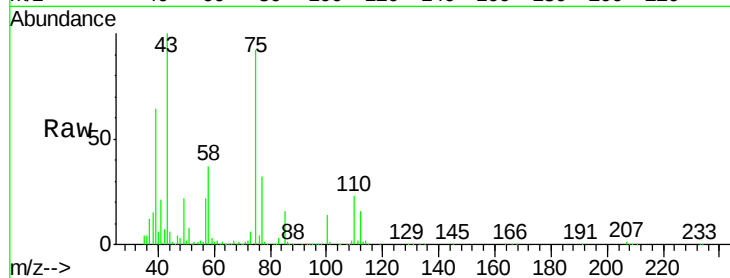
77 34.7 27.8 41.6

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 48.946 ug/l

RT: 7.46 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

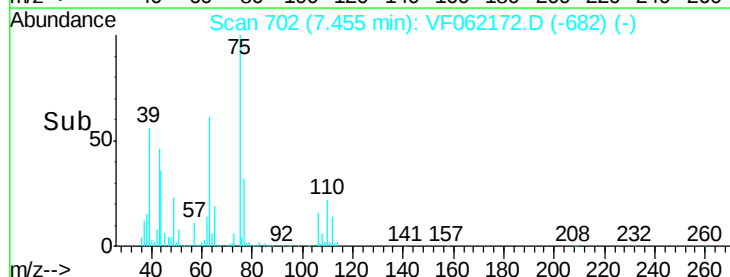
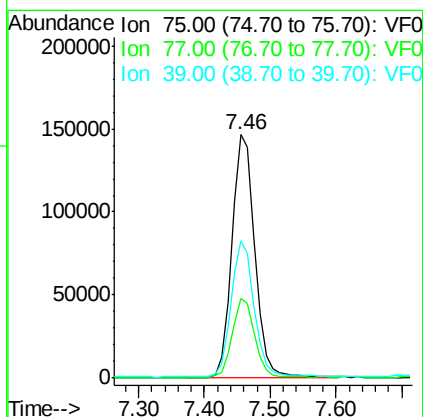
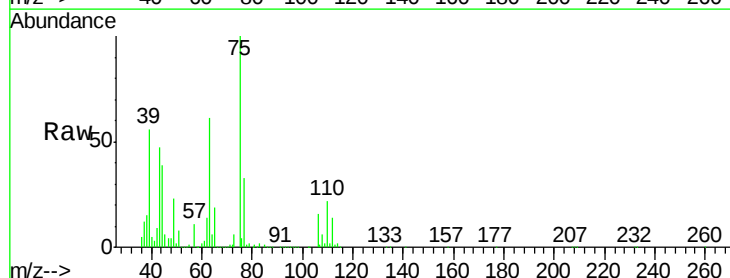
Tgt Ion: 75 Resp: 361021

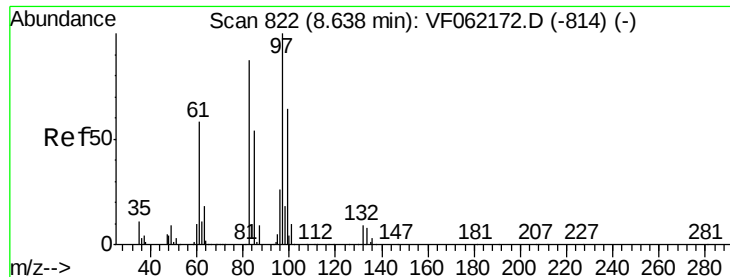
Ion Ratio Lower Upper

75 100

77 32.5 26.0 39.0

39 56.5 45.2 67.8





#55

1,1,2-Trichloroethane

Concen: 49.015 ug/l

RT: 8.64 min Scan# 822

Delta R.T. 0.00 min

Lab File: VF062172.D

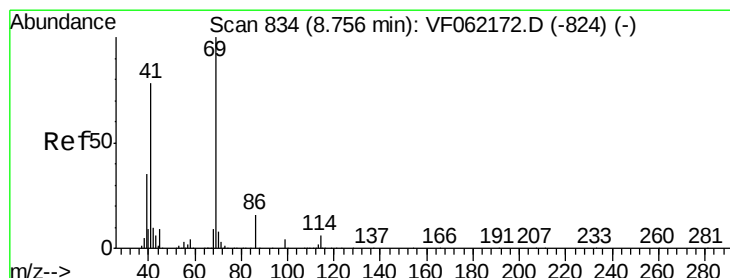
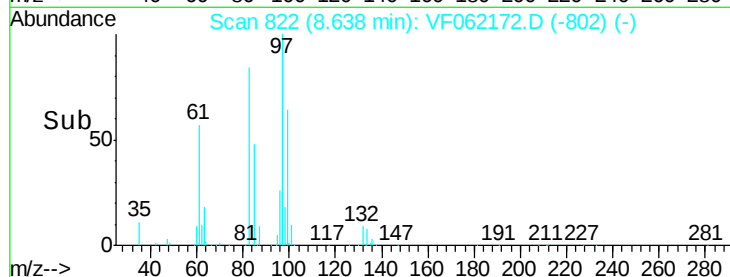
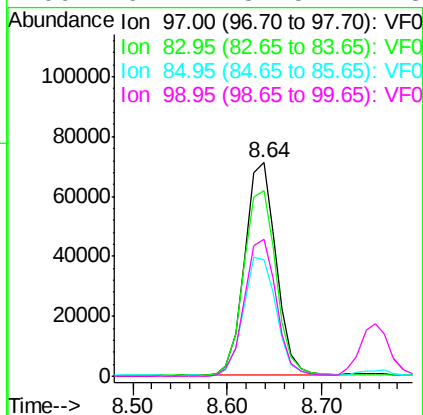
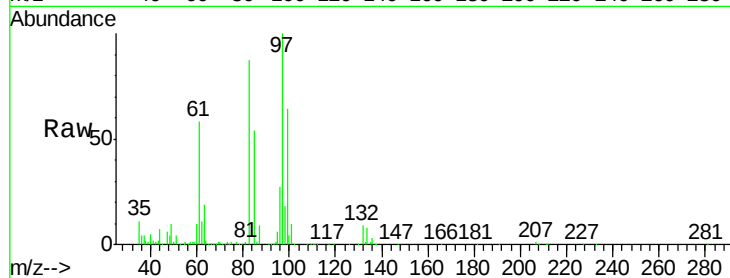
Acq: 16 Apr 2019 12:16

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 164787 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 87.0  | 69.6  | 104.4  |
| 85       | 54.4  | 43.5  | 65.3   |
| 99       | 64.4  | 51.5  | 77.3   |

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDICCC050

Manual Integrations  
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4/17/2019 11:50:17 AM



#56

Ethyl methacrylate

Concen: 47.450 ug/l

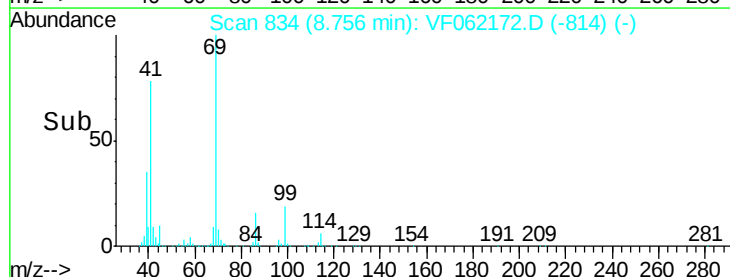
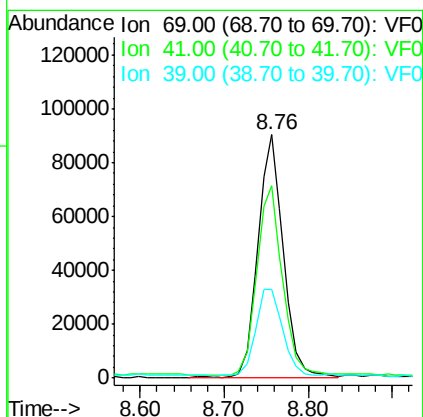
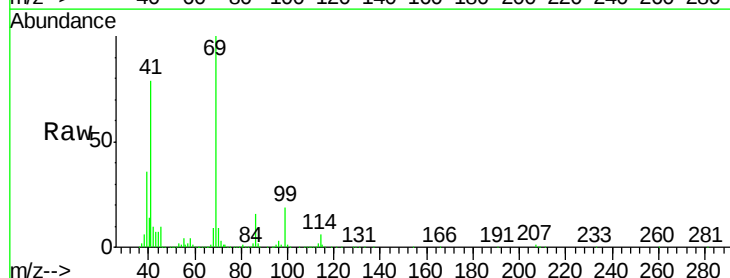
RT: 8.76 min Scan# 834

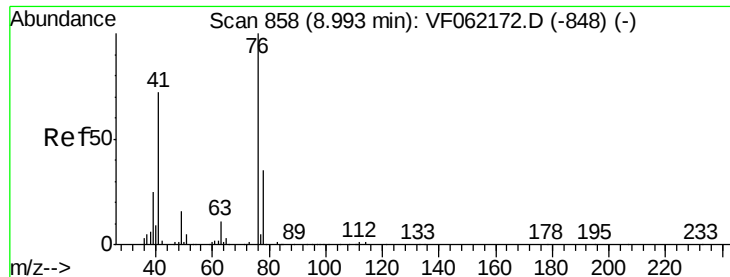
Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 189694 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 79.2  | 63.4  | 95.0   |
| 39       | 36.3  | 29.0  | 43.6   |





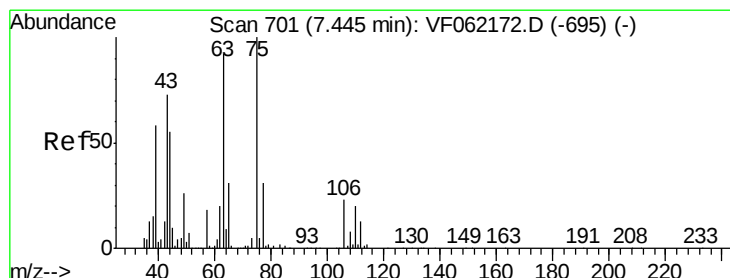
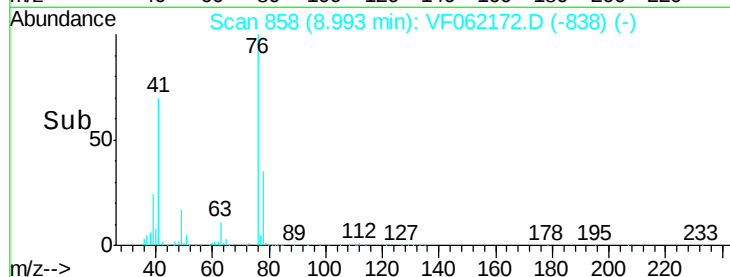
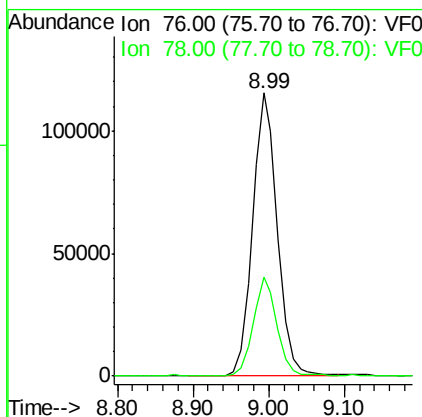
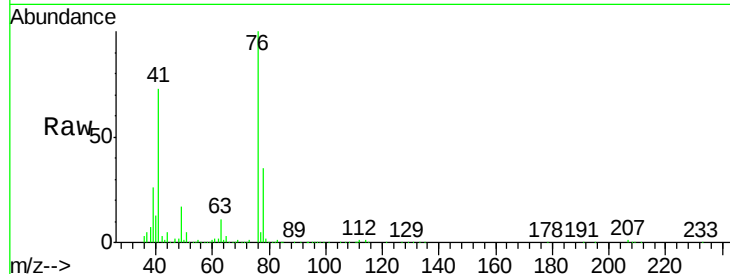
#57  
 1,3-Dichloropropane  
 Concen: 47.581 ug/l  
 RT: 8.99 min Scan# 858  
 Delta R.T. 0.00 min  
 Lab File: VF062172.D  
 Acq: 16 Apr 2019 12:16

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 35.2  | 28.2  | 42.2  |

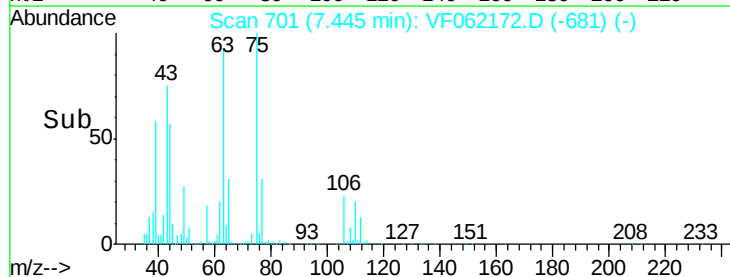
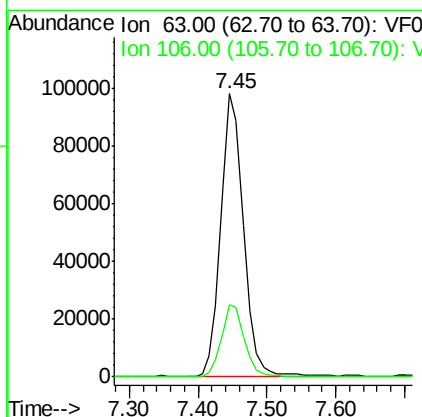
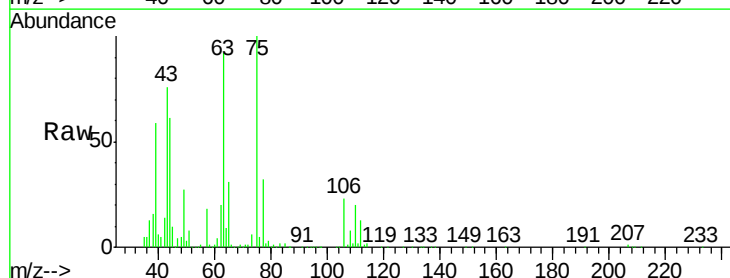
Manual Integrations  
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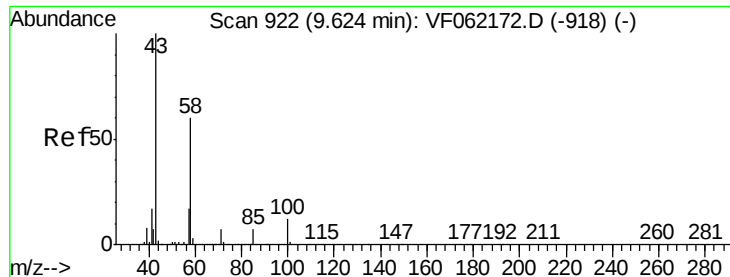
MMDadoda  
 4/17/2019 11:50:17 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 217.647 ug/l  
 RT: 7.45 min Scan# 701  
 Delta R.T. 0.00 min  
 Lab File: VF062172.D  
 Acq: 16 Apr 2019 12:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 25.3  | 20.2  | 30.4  |





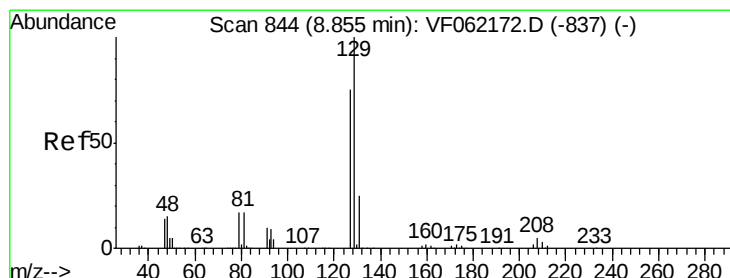
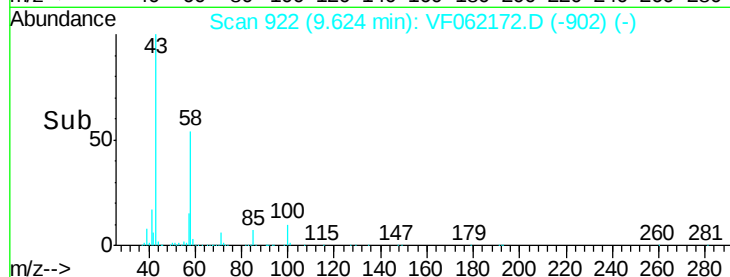
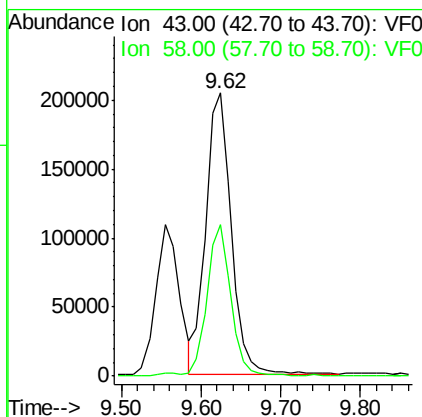
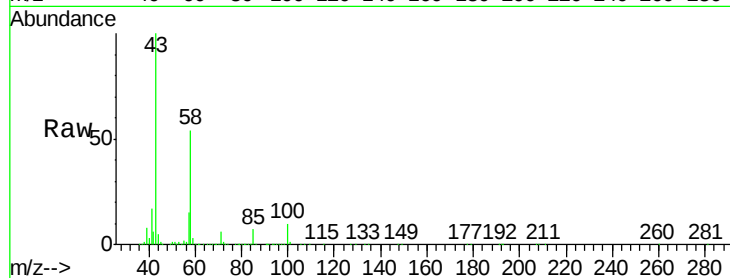
#59  
2-Hexanone  
Concen: 231.120 ug/l  
RT: 9.62 min Scan# 922  
Delta R.T. 0.00 min  
Lab File: VF062172.D  
Acq: 16 Apr 2019 12:16

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDICCC050

Tot Ion: 43 Resp: 456460  
Ion Ratio Lower Upper  
43 100  
58 53.6 26.8 80.4

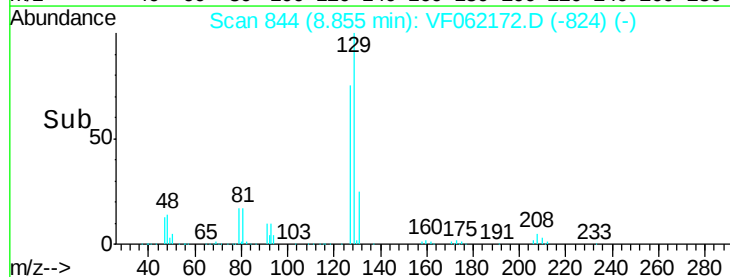
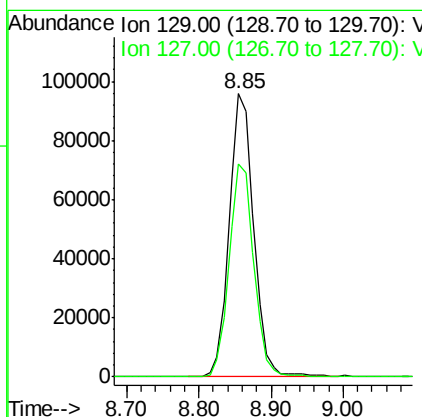
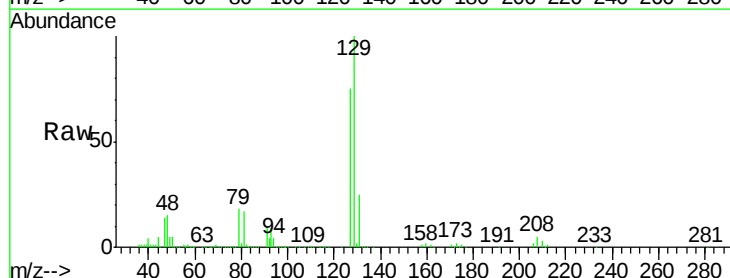
Manual Integrations  
APPROVED

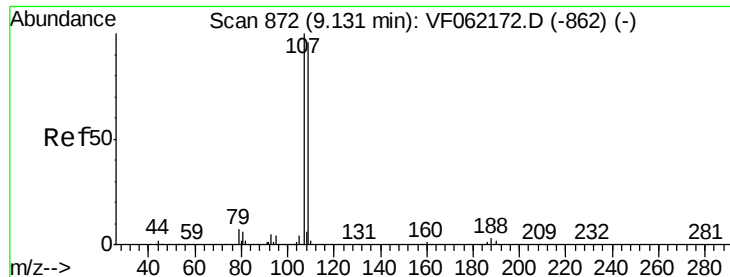
MMDadoda  
4/17/2019 11:50:17 AM



#60  
Dibromochloromethane  
Concen: 49.025 ug/l  
RT: 8.85 min Scan# 844  
Delta R.T. 0.00 min  
Lab File: VF062172.D  
Acq: 16 Apr 2019 12:16

Tgt Ion: 129 Resp: 226777  
Ion Ratio Lower Upper  
129 100  
127 75.4 37.7 113.1





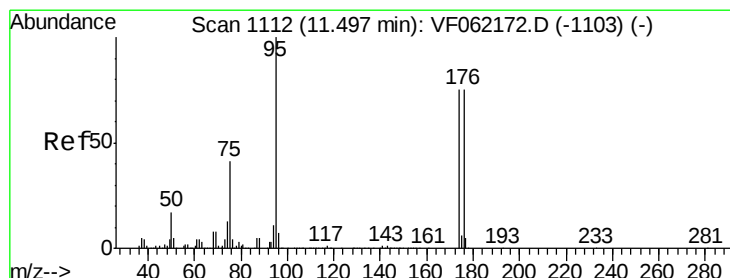
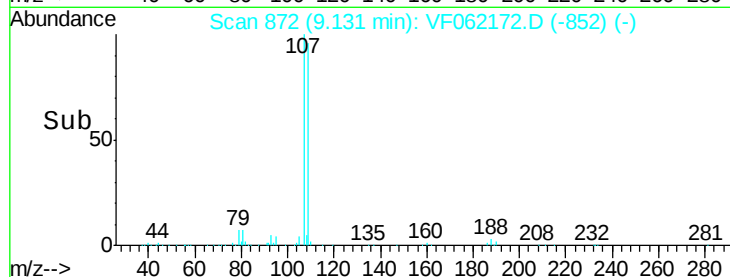
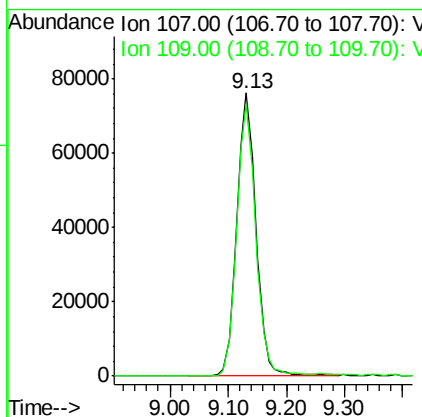
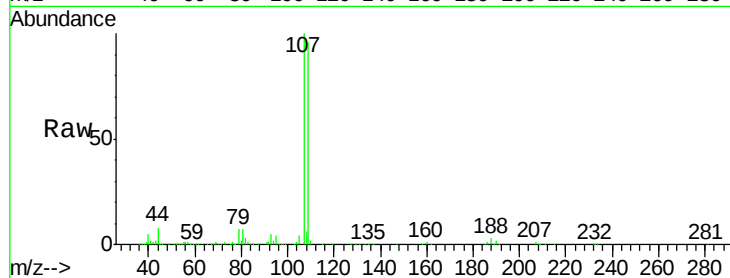
#61  
 1,2-Dibromoethane  
 Concen: 48.849 ug/l  
 RT: 9.13 min Scan# 872  
 Delta R.T. 0.00 min  
 Lab File: VF062172.D  
 Acq: 16 Apr 2019 12:16

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 96.0  | 76.8  | 115.2 |

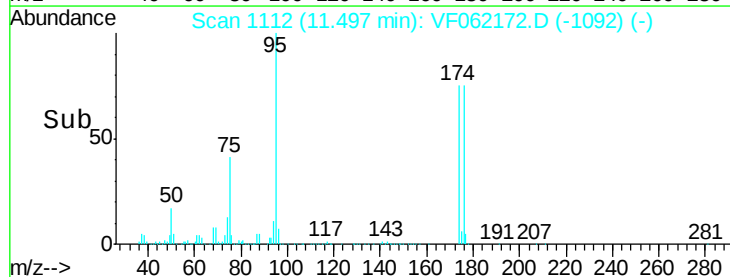
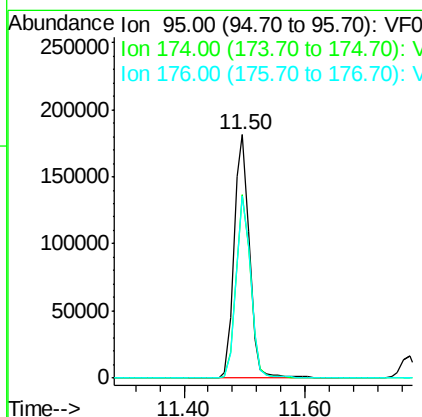
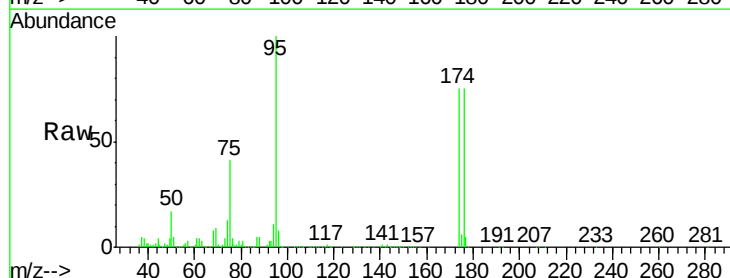
Manual Integrations  
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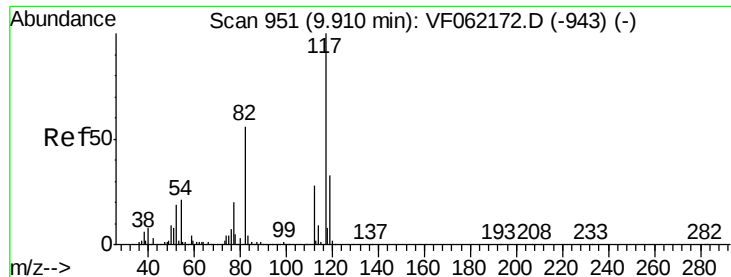
MMDadoda  
 4/17/2019 11:50:17 AM



#62  
 4-Bromofluorobenzene  
 Concen: 51.241 ug/l  
 RT: 11.50 min Scan# 1112  
 Delta R.T. 0.00 min  
 Lab File: VF062172.D  
 Acq: 16 Apr 2019 12:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 75.1  | 0.0   | 150.2 |
| 176     | 74.7  | 0.0   | 149.4 |





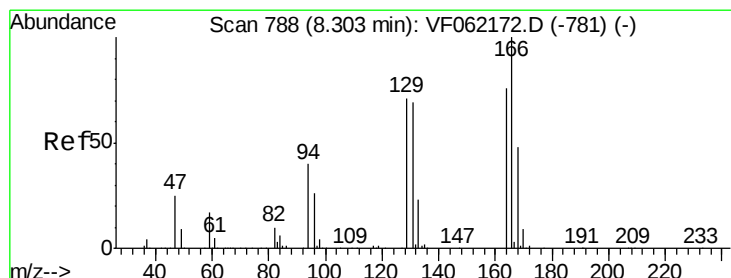
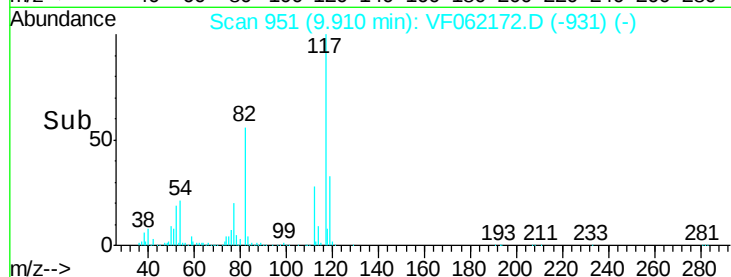
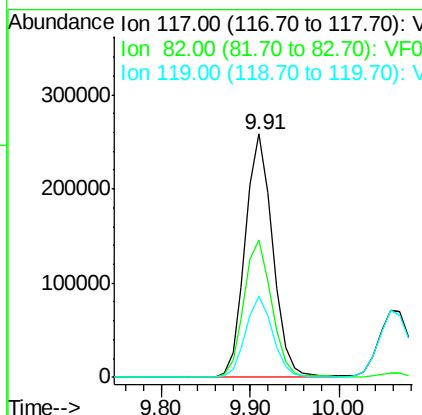
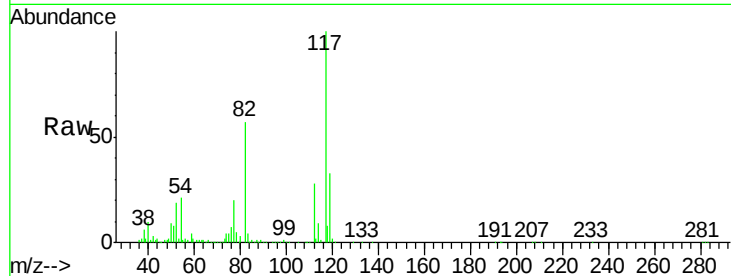
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.91 min Scan# 951  
Delta R.T. 0.00 min  
Lab File: VF062172.D  
Acq: 16 Apr 2019 12:16

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 552055 |       |       |
| 82      | 56.5  |        | 45.2  | 67.8  |
| 119     | 33.2  |        | 26.6  | 39.8  |

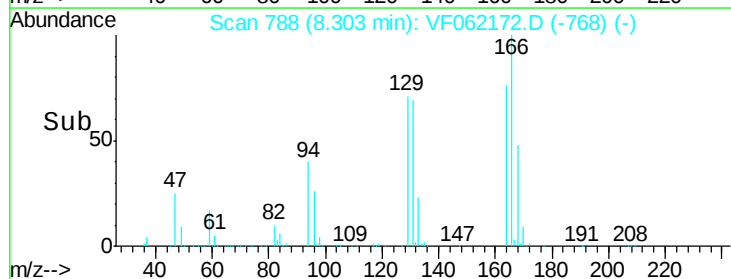
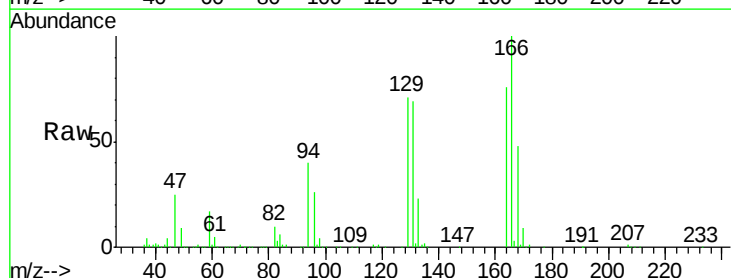
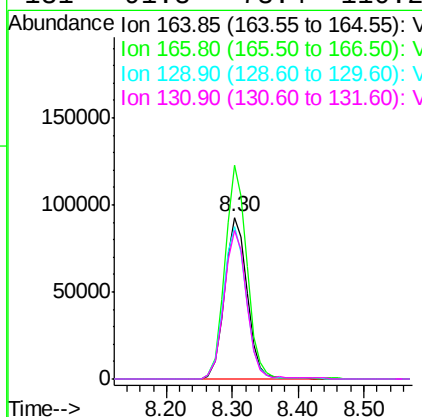
Manual Integrations  
APPROVED

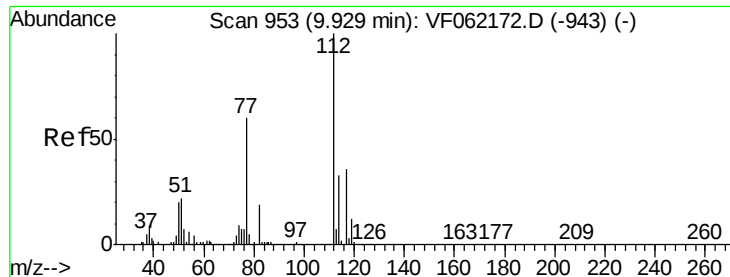
MMDadoda  
4/17/2019 11:50:17 AM



#64  
Tetrachloroethene  
Concen: 49.461 ug/l  
RT: 8.30 min Scan# 788  
Delta R.T. 0.00 min  
Lab File: VF062172.D  
Acq: 16 Apr 2019 12:16

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 223013 |       |       |
| 166     | 132.4 |        | 105.9 | 158.9 |
| 129     | 94.1  |        | 75.3  | 112.9 |
| 131     | 91.8  |        | 73.4  | 110.2 |





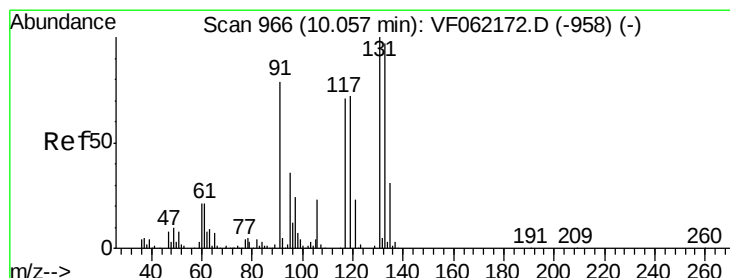
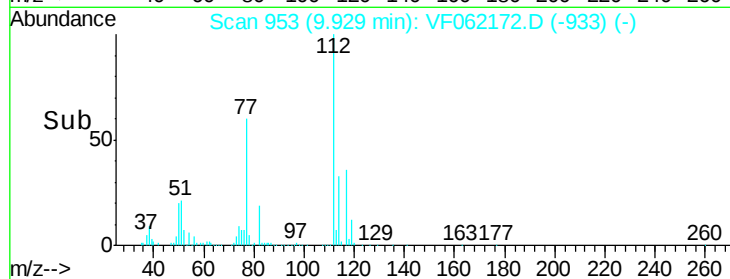
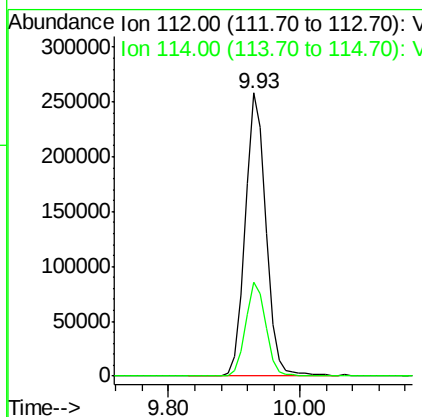
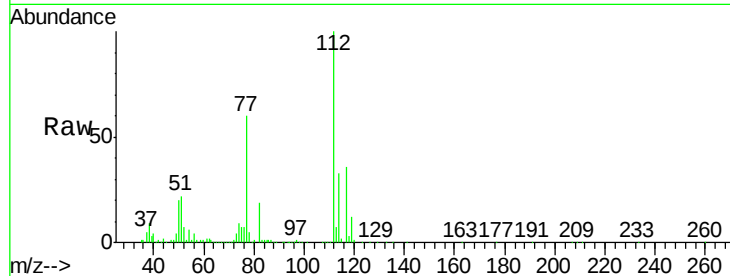
#65  
Chlorobenzene  
Concen: 49.792 ug/l  
RT: 9.93 min Scan# 953  
Delta R.T. 0.00 min  
Lab File: VF062172.D  
Acq: 16 Apr 2019 12:16

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 33.2  | 26.6  | 39.8  |

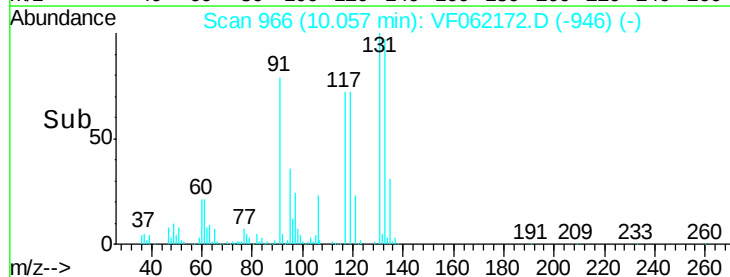
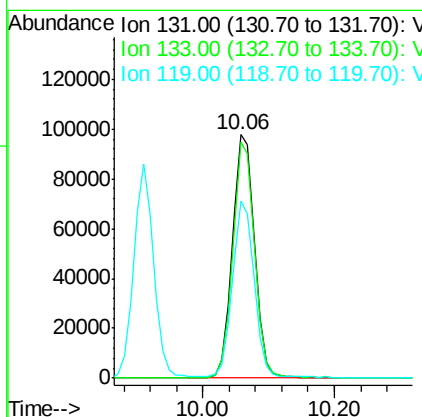
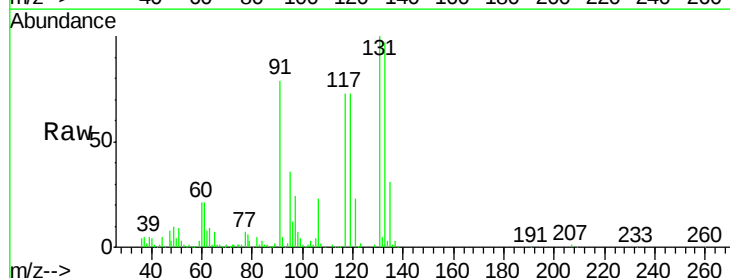
Manual Integrations  
APPROVED

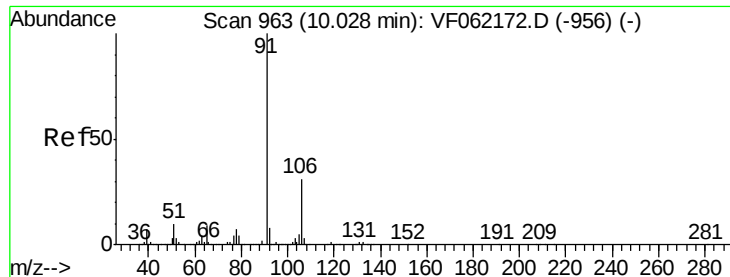
MMDadoda  
4/17/2019 11:50:17 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 48.951 ug/l  
RT: 10.06 min Scan# 966  
Delta R.T. 0.00 min  
Lab File: VF062172.D  
Acq: 16 Apr 2019 12:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 96.8  | 48.4  | 145.2 |
| 119     | 72.6  | 36.3  | 108.9 |





#67

Ethyl Benzene

Concen: 49.966 ug/l

RT: 10.03 min Scan# 963

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

Tot Ion: 91 Resp: 1063667

Ion Ratio Lower Upper

91 100

106 30.9 24.7 37.1

Instrument :

MSVOA\_F

ClientSampleId :

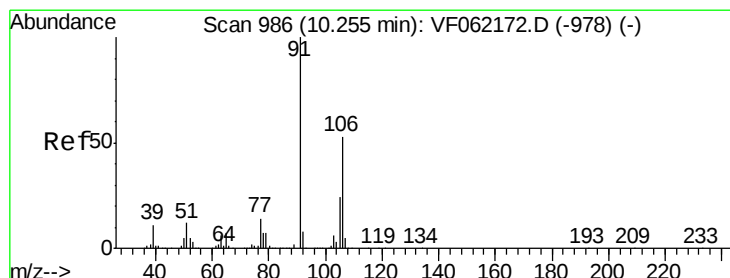
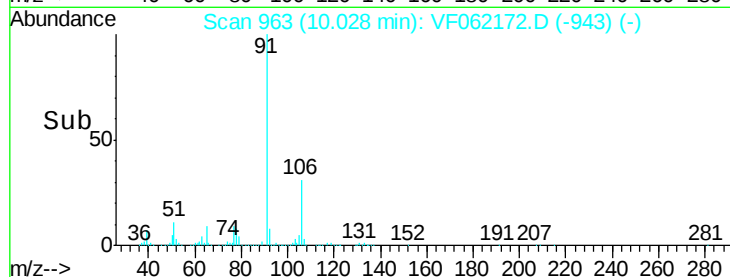
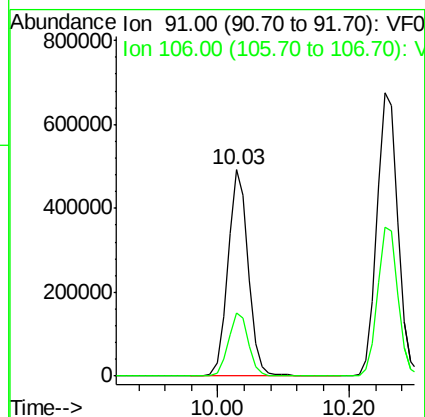
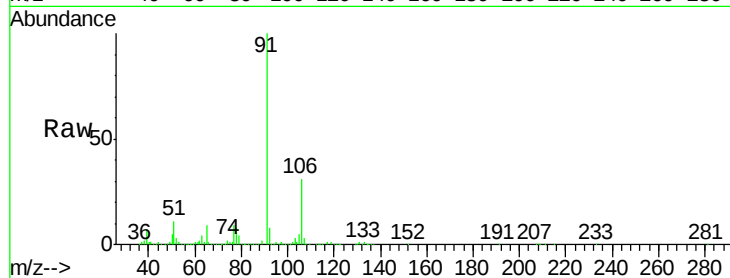
VSTDICCC050

Manual Integrations

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4/17/2019 11:50:17 AM



#68

m/p-Xylenes

Concen: 99.487 ug/l

RT: 10.25 min Scan# 986

Delta R.T. 0.00 min

Lab File: VF062172.D

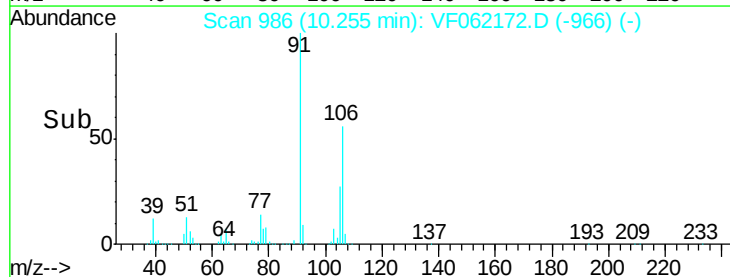
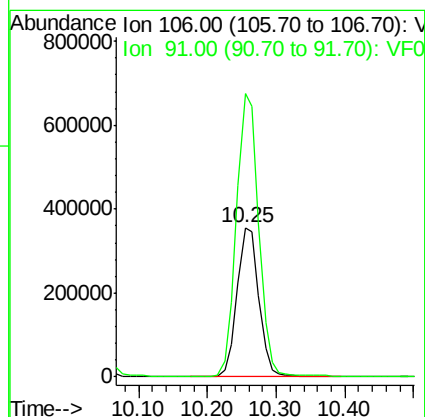
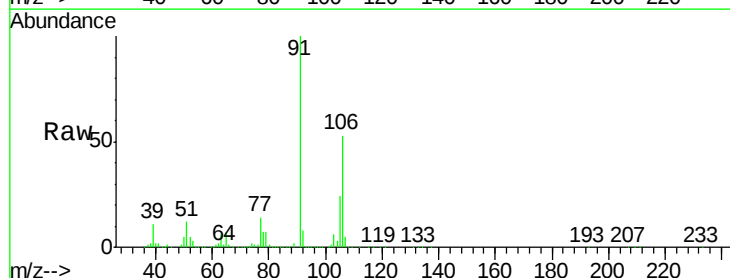
Acq: 16 Apr 2019 12:16

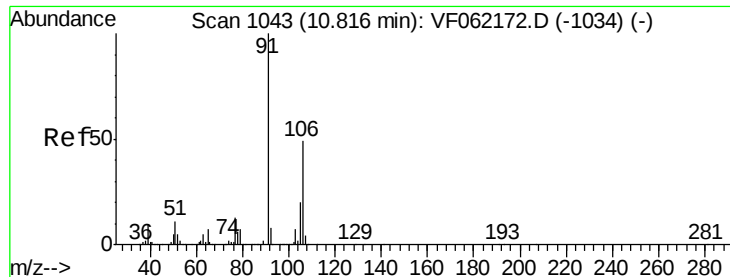
Tgt Ion: 106 Resp: 779780

Ion Ratio Lower Upper

106 100

91 189.6 151.7 227.5





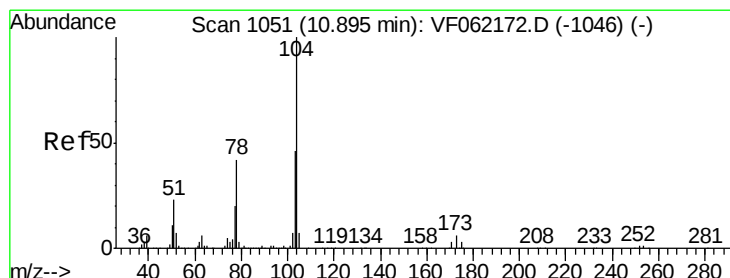
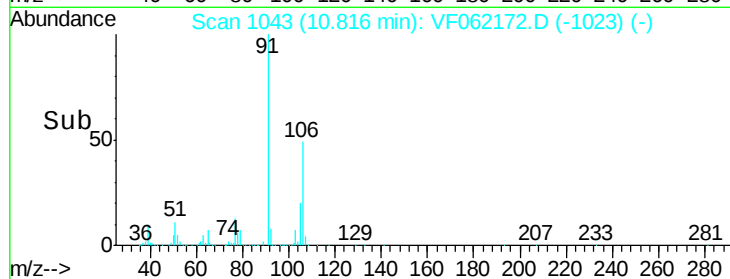
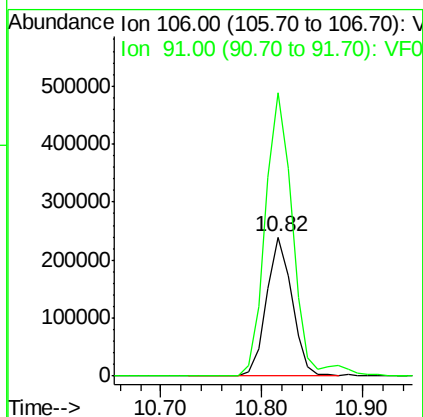
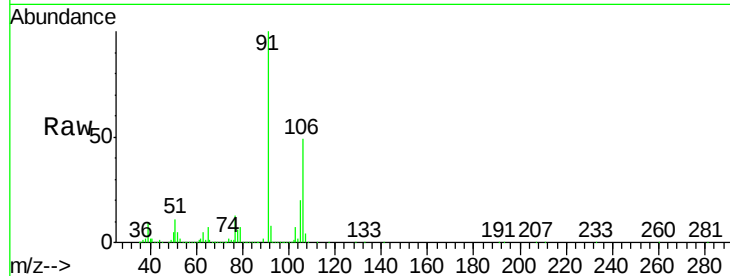
#69  
o-Xylene  
Concen: 49.556 ug/l  
RT: 10.82 min Scan# 1043  
Delta R.T. 0.00 min  
Lab File: VF062172.D  
Acq: 16 Apr 2019 12:16

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDICCC050

Tot Ion:106 Resp: 420450  
Ion Ratio Lower Upper  
106 100  
91 203.8 101.9 305.7

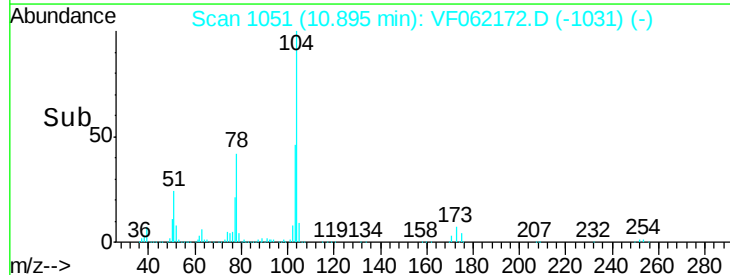
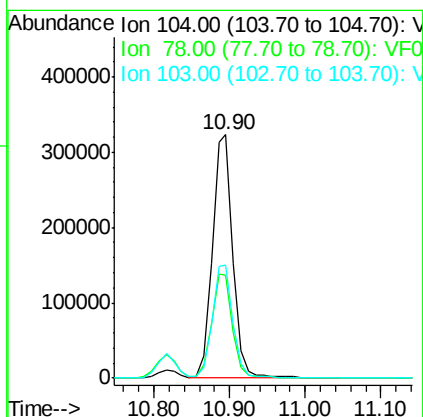
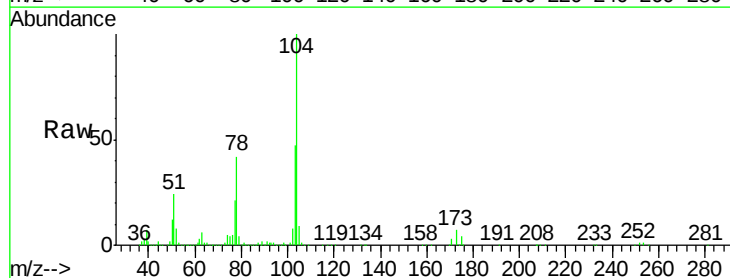
Manual Integrations  
APPROVED

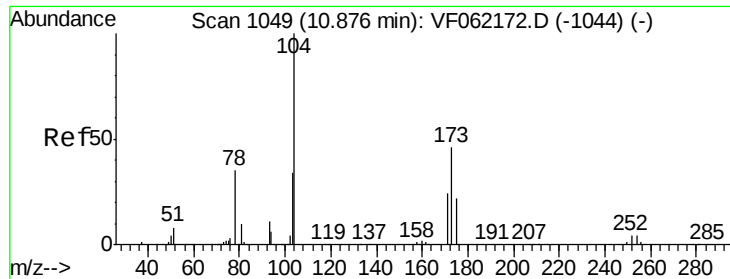
MMDadoda  
4/17/2019 11:50:17 AM



#70  
Styrene  
Concen: 49.452 ug/l  
RT: 10.90 min Scan# 1051  
Delta R.T. 0.00 min  
Lab File: VF062172.D  
Acq: 16 Apr 2019 12:16

Tgt Ion:104 Resp: 609924  
Ion Ratio Lower Upper  
104 100  
78 42.1 33.7 50.5  
103 46.5 37.2 55.8





#71

Bromoform

Concen: 47.623 ug/l

RT: 10.88 min Scan# 1049

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

Instrument :

MSVOA\_F

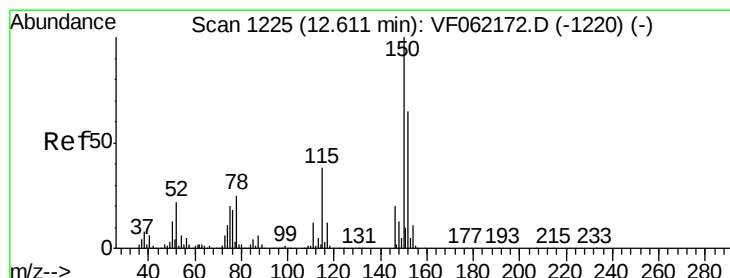
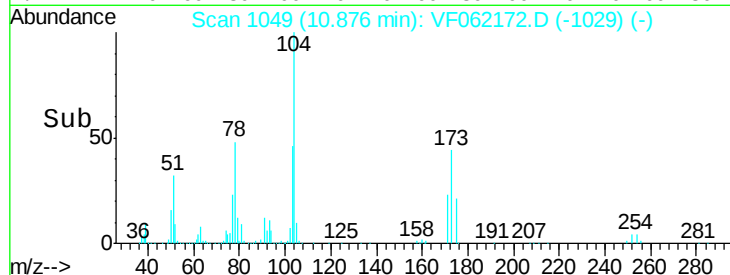
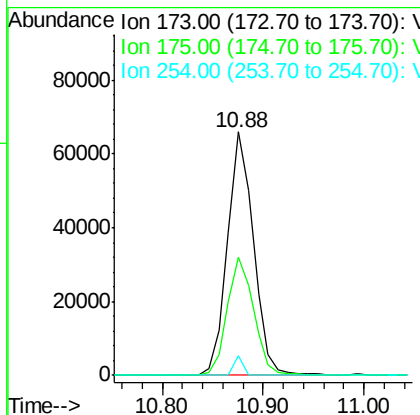
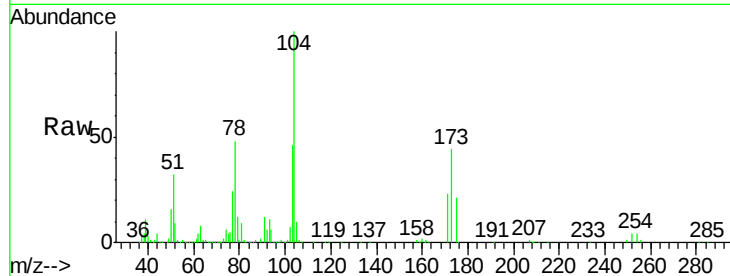
ClientSampleId :

VSTDICCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 173   | Resp: | 118244 |
| Ion Ratio | Lower | Upper |        |
| 173       | 100   |       |        |
| 175       | 48.5  | 24.3  | 72.8   |
| 254       | 8.2   | 6.6   | 9.8    |

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4/17/2019 11:50:17 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

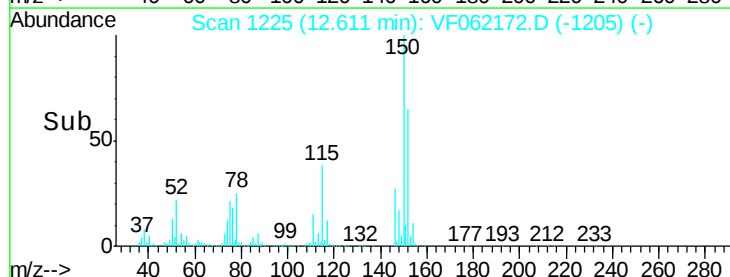
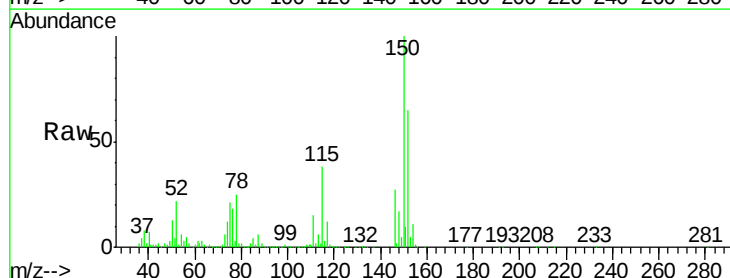
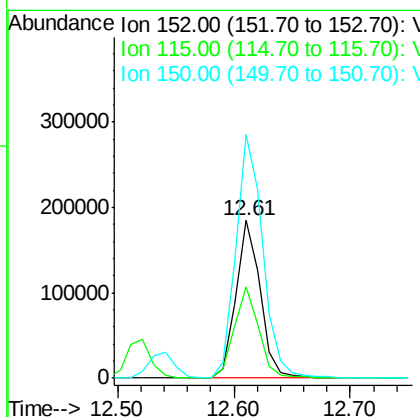
RT: 12.61 min Scan# 1225

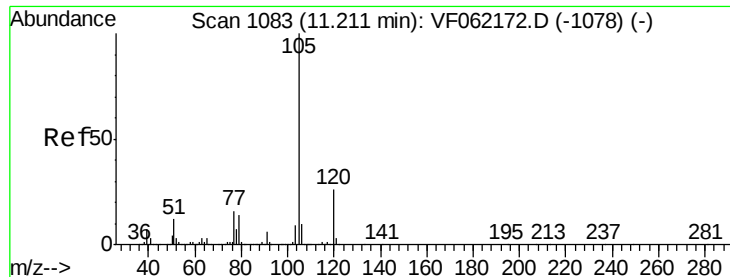
Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 267803 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 58.1  | 29.0  | 87.1   |
| 150       | 154.6 | 0.0   | 309.2  |





#73

Isopropylbenzene

Concen: 50.743 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

Instrument :

MSVOA\_F

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1170714

Ion Ratio Lower Upper

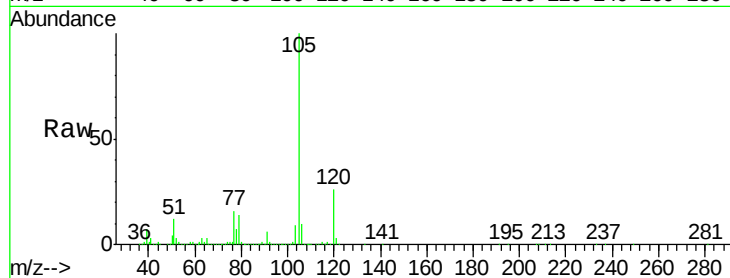
105 100

120 25.9 13.0 38.9

Manual Integrations  
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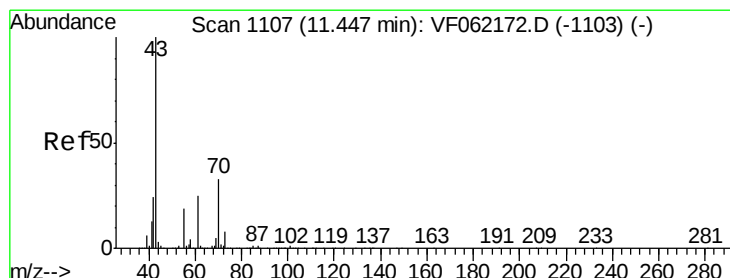
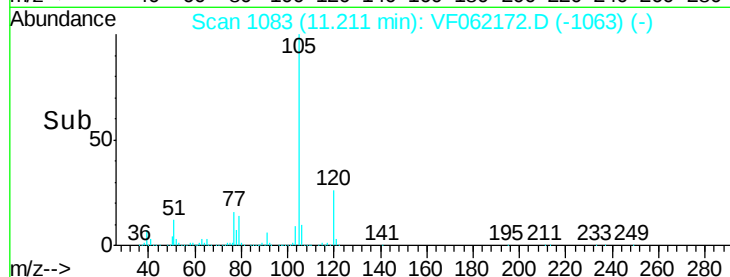
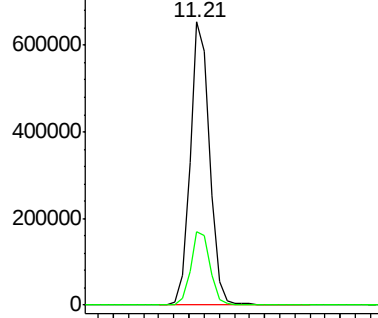
MMDadoda

4/17/2019 11:50:17 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.234 ug/l

RT: 11.45 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

Tgt Ion: 43 Resp: 278030

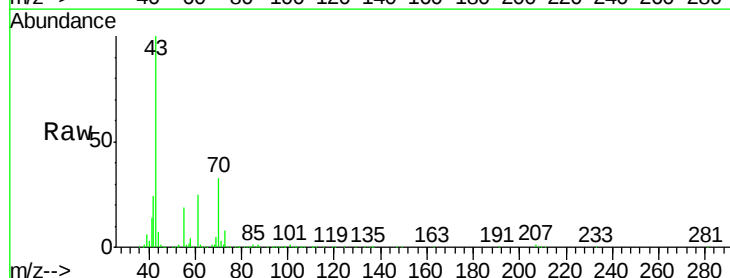
Ion Ratio Lower Upper

43 100

70 33.2 26.6 39.8

55 18.8 15.0 22.6

61 25.0 20.0 30.0

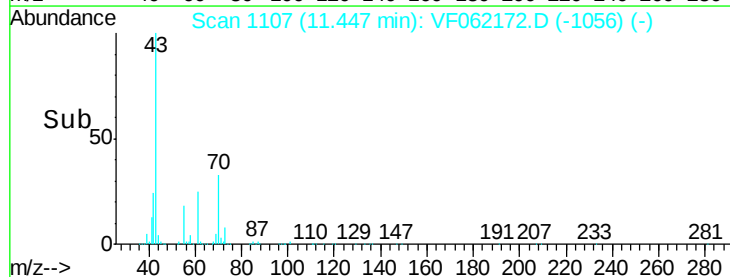
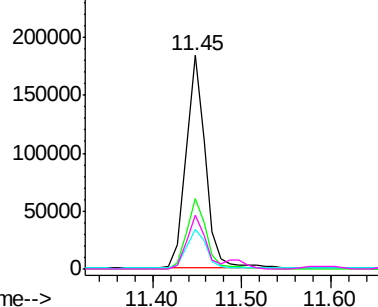


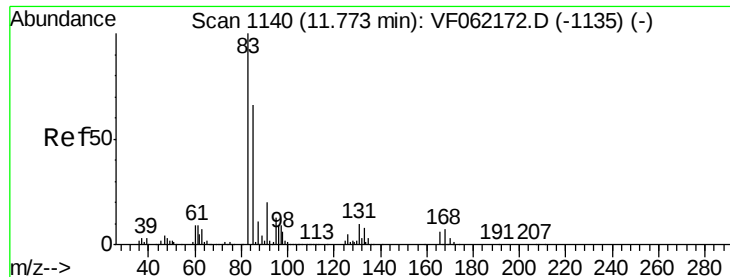
Abundance Ion 43.00 (42.70 to 43.70): VF0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 49.392 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

Instrument :

MSVOA\_F

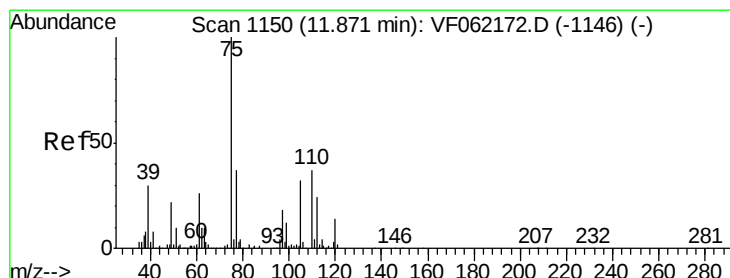
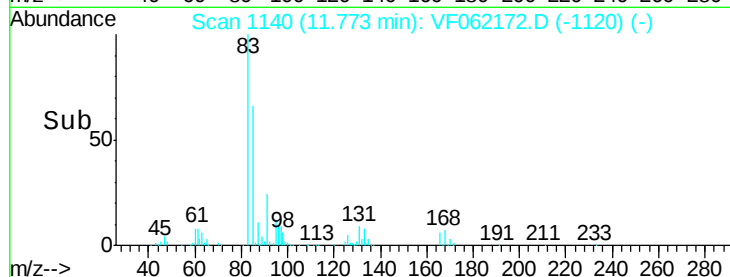
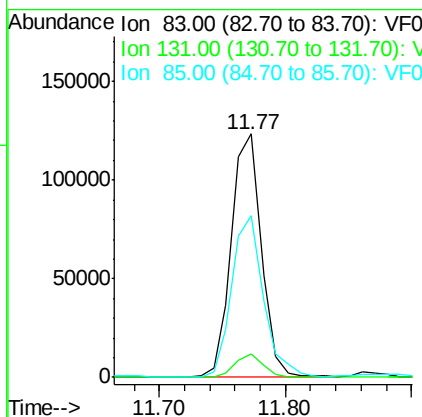
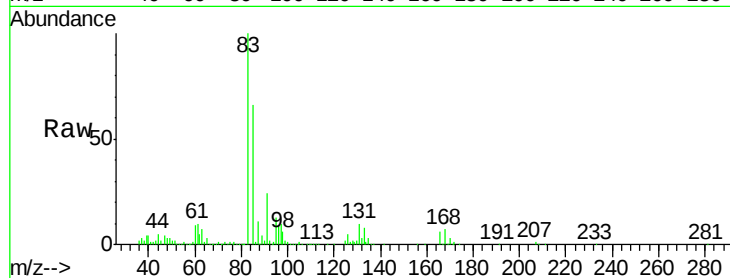
ClientSampleId :

VSTDICCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 202996 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 9.6   | 4.8   | 14.4   |
| 85        | 66.4  | 33.2  | 99.6   |

Manual Integrations  
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4/17/2019 11:50:17 AM



#76

1,2,3-Trichloropropane

Concen: 49.710 ug/l

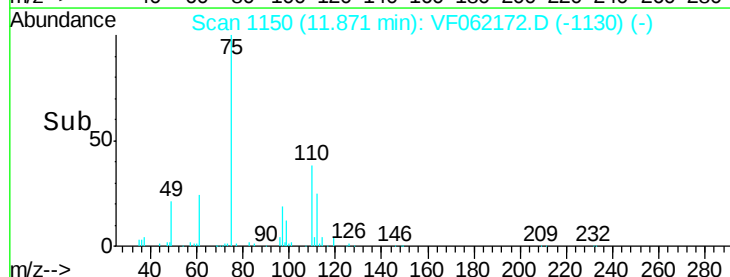
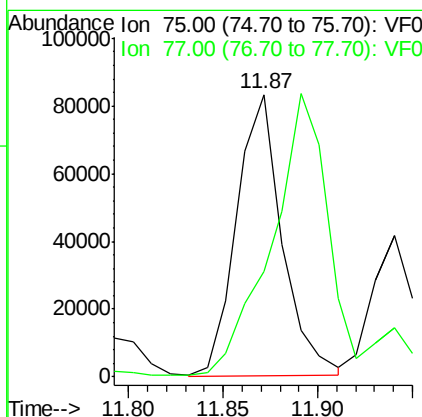
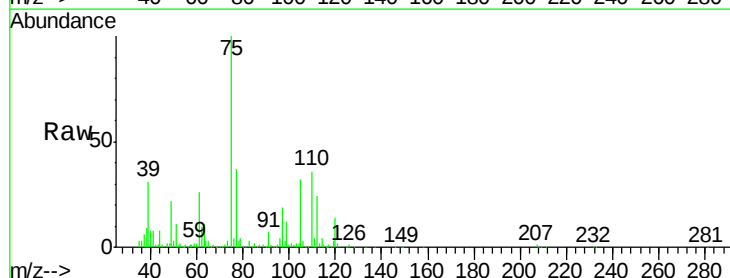
RT: 11.87 min Scan# 1150

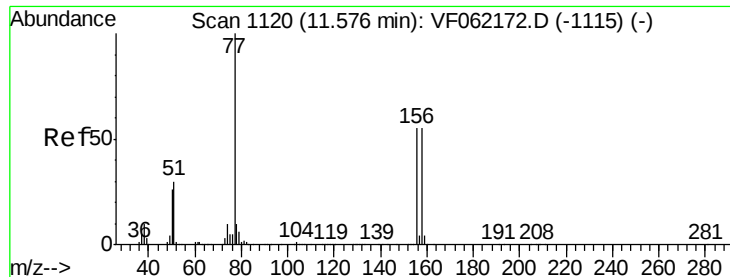
Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 138431 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 37.4  | 18.7  | 56.1   |





#77

Bromobenzene

Concen: 49.745 ug/l

RT: 11.58 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

Instrument :

MSVOA\_F

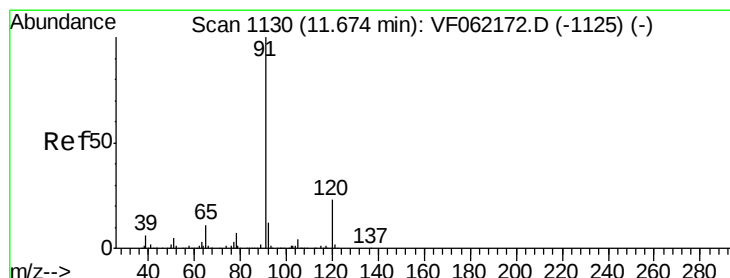
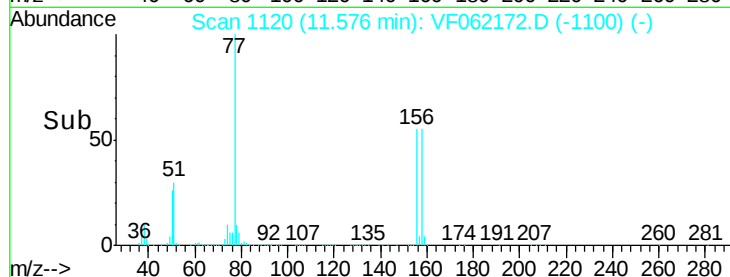
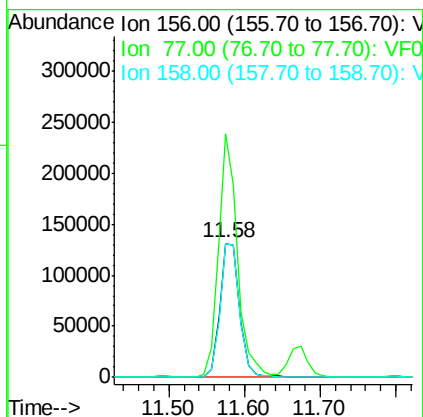
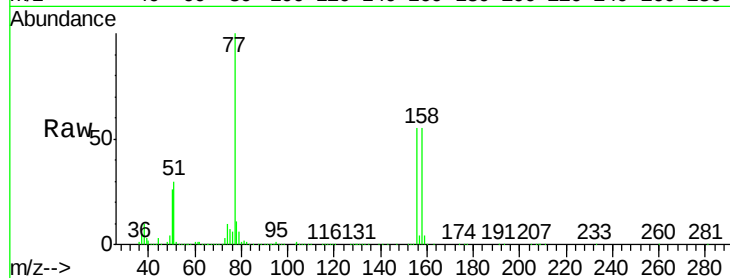
ClientSampleId :

VSTDICCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 238681 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 182.3 | 91.1  | 273.4  |
| 158       | 100.3 | 50.1  | 150.4  |

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4/17/2019 11:50:17 AM



#78

n-propylbenzene

Concen: 49.100 ug/l

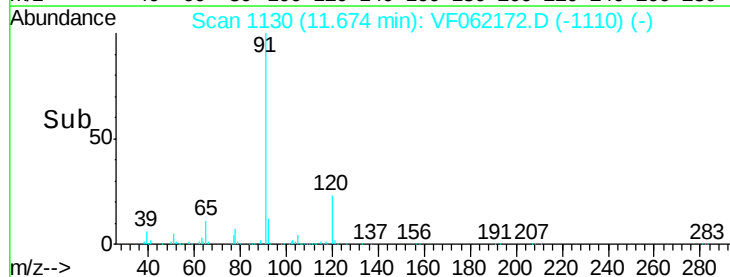
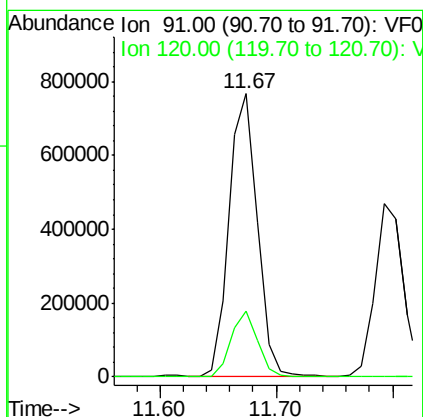
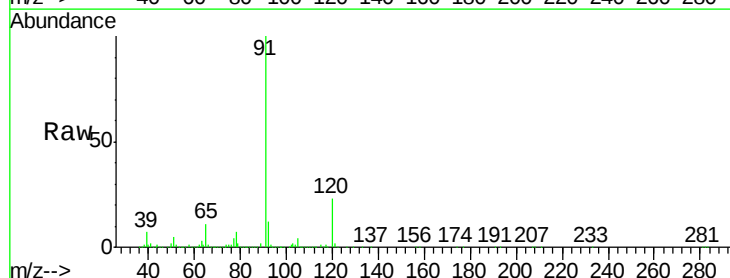
RT: 11.67 min Scan# 1130

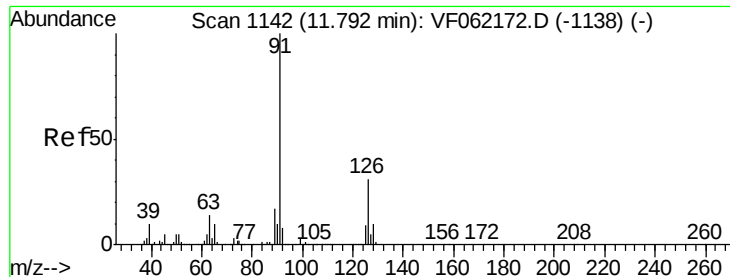
Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 91    | Resp: | 1287613 |
| Ion Ratio | Lower | Upper |         |
| 91        | 100   |       |         |
| 120       | 23.1  | 11.6  | 34.7    |





#79

2-Chlorotoluene

Concen: 50.451 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

Instrument :

MSVOA\_F

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 779881

Ion Ratio Lower Upper

91 100

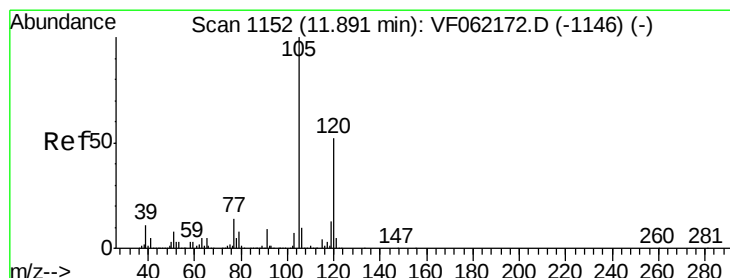
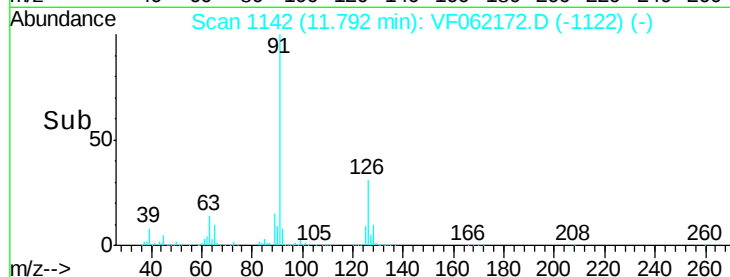
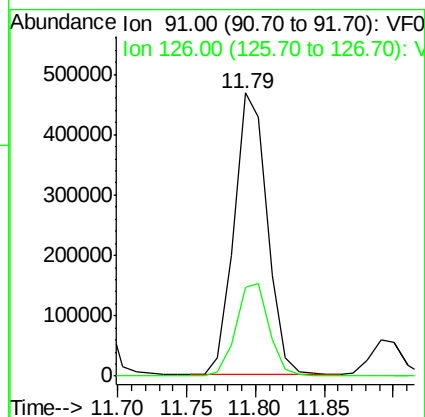
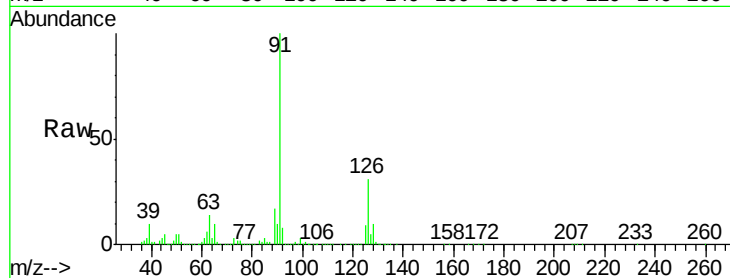
126 31.2 15.6 46.8

Manual Integrations

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4/17/2019 11:50:17 AM



#80

1,3,5-Trimethylbenzene

Concen: 49.789 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF062172.D

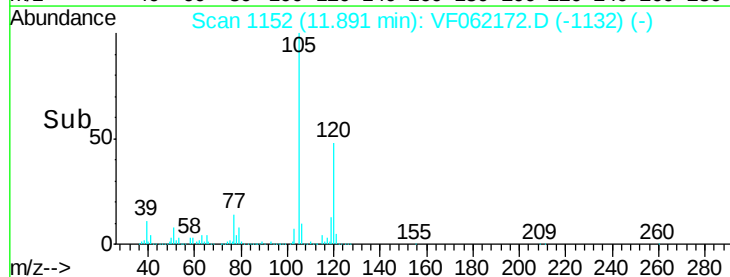
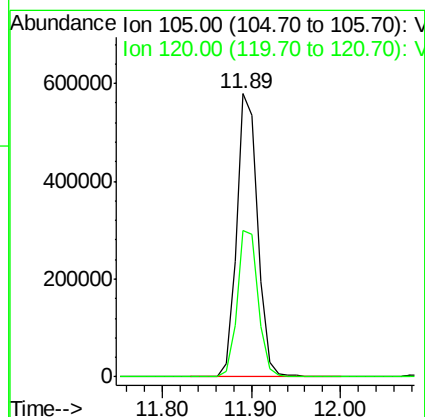
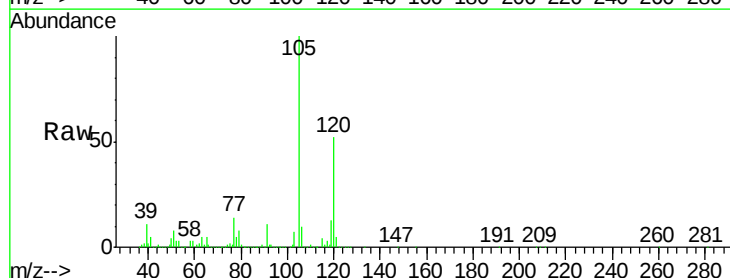
Acq: 16 Apr 2019 12:16

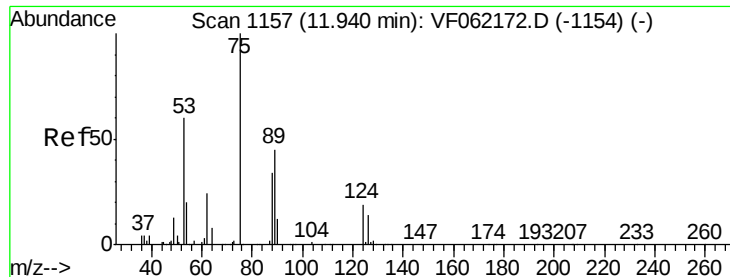
Tgt Ion: 105 Resp: 958037

Ion Ratio Lower Upper

105 100

120 51.8 25.9 77.7





#81

trans-1,4-Dichloro-2-butene

Concen: 44.767 ug/l m

RT: 11.94 min Scan# 1157

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

Instrument :

MSVOA\_F

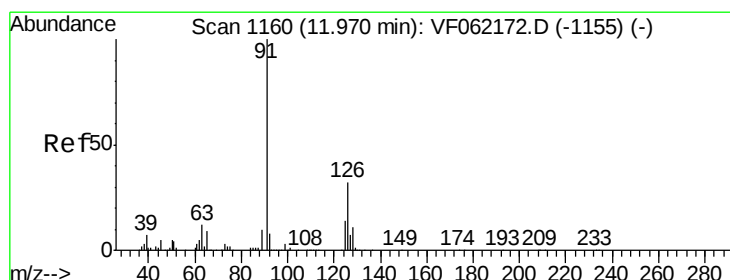
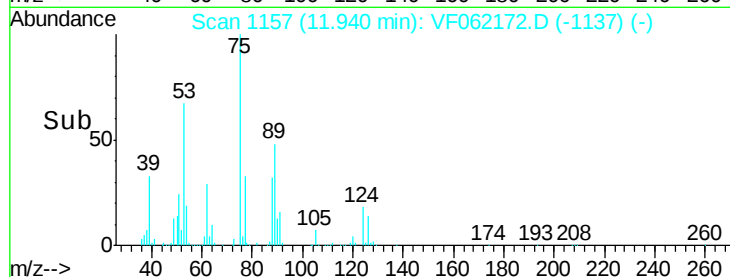
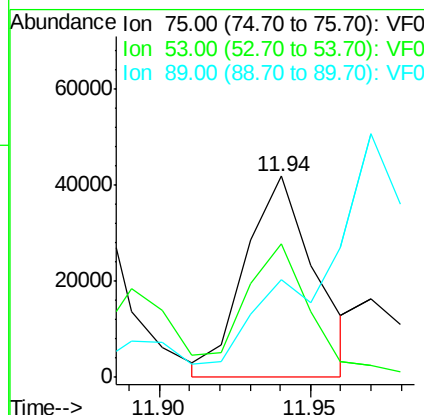
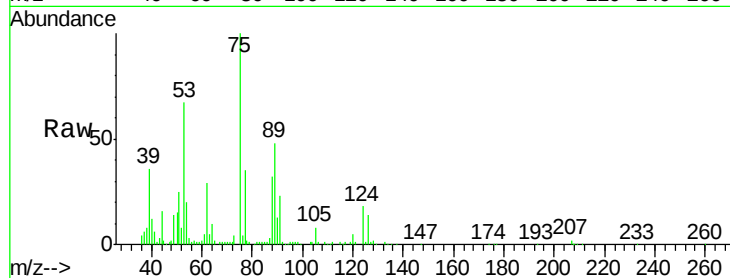
ClientSampleId :

VSTDICCC050

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 67084 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 66.7  | 53.4  | 80.0  |
| 89       | 48.4  | 38.7  | 58.1  |

Manual Integrations  
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4/17/2019 11:50:17 AM



#82

4-Chlorotoluene

Concen: 50.183 ug/l

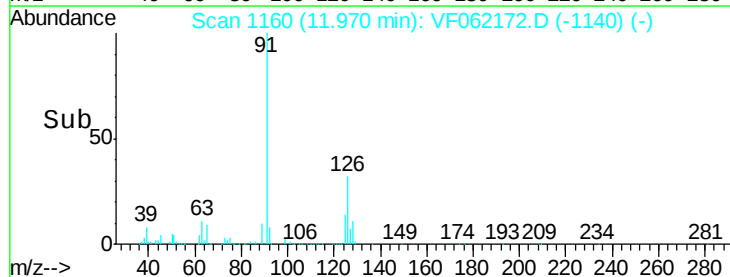
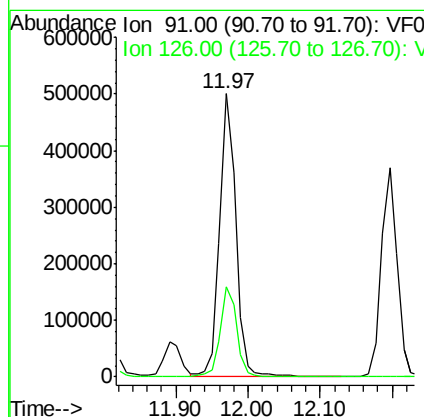
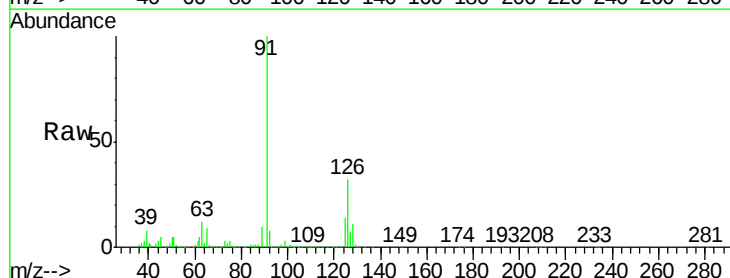
RT: 11.97 min Scan# 1160

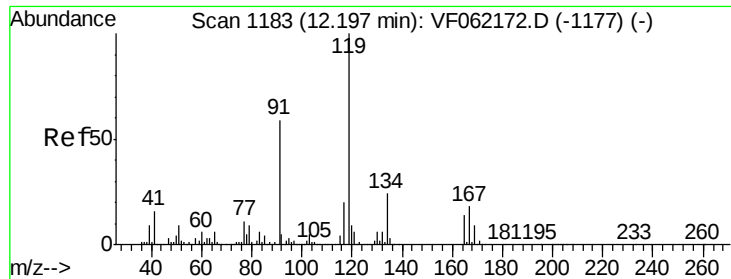
Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 760209 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 31.8  | 15.9  | 47.7   |





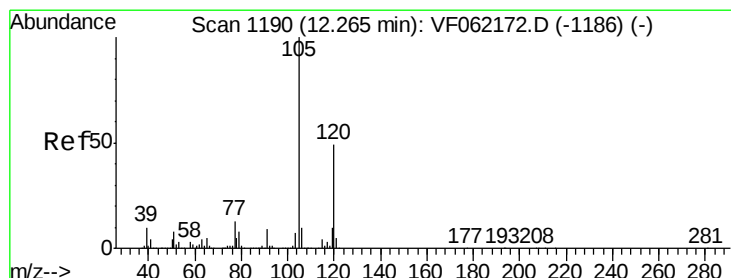
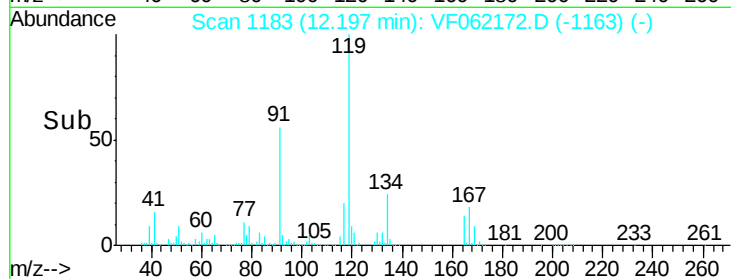
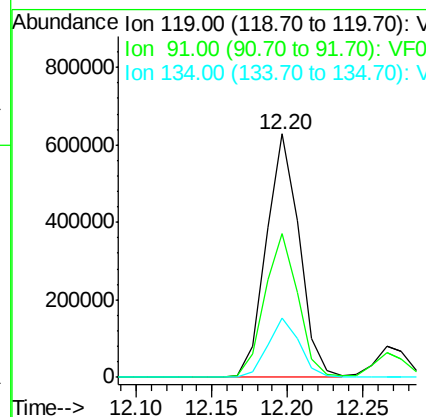
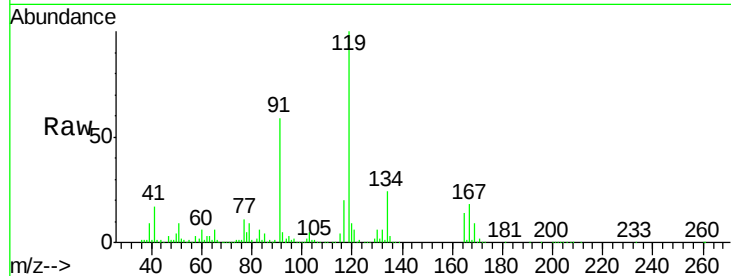
#83  
tert-Butylbenzene  
Concen: 50.304 ug/l  
RT: 12.20 min Scan# 1183  
Delta R.T. 0.00 min  
Lab File: VF062172.D  
Acq: 16 Apr 2019 12:16

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 961152 |       |       |
| 91      | 59.0  | 29.5   | 88.5  |       |
| 134     | 24.1  | 12.0   | 36.1  |       |

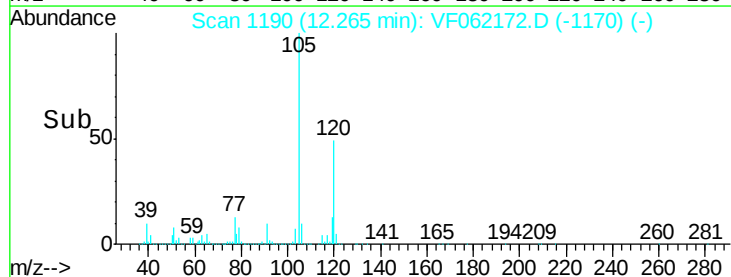
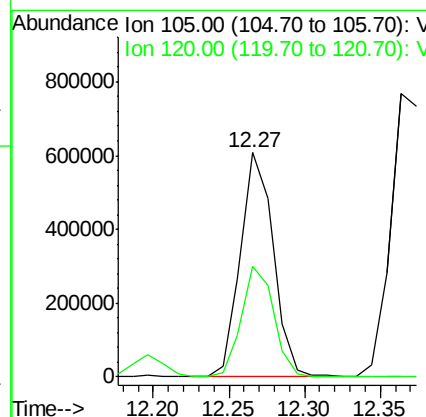
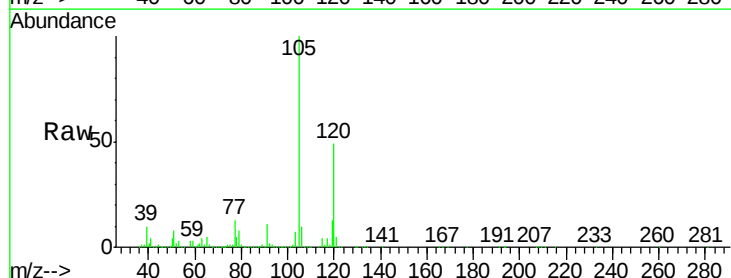
Manual Integrations  
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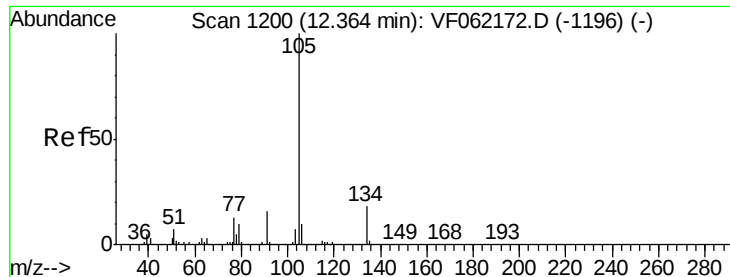
MMDadoda  
4/17/2019 11:50:17 AM



#84  
1,2,4-Trimethylbenzene  
Concen: 49.344 ug/l  
RT: 12.27 min Scan# 1190  
Delta R.T. 0.00 min  
Lab File: VF062172.D  
Acq: 16 Apr 2019 12:16

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 921451 |       |       |
| 120     | 49.4  | 24.7   | 74.1  |       |





#85

sec-Butylbenzene

Concen: 49.952 ug/l

RT: 12.36 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

Instrument :

MSVOA\_F

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1255023

Ion Ratio Lower Upper

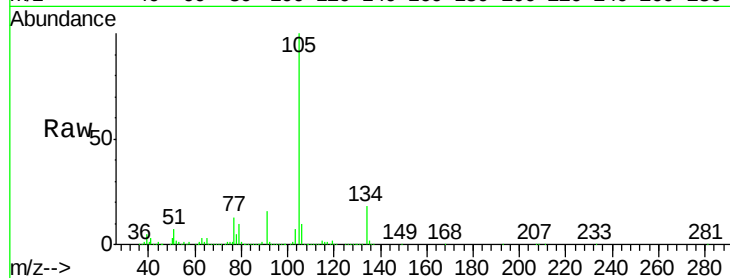
105 100

134 18.0 9.0 27.0

Manual Integrations  
APPROVED

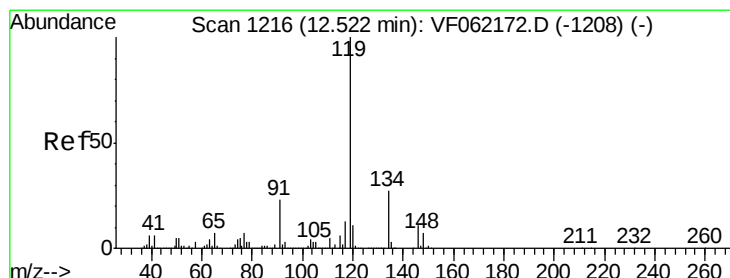
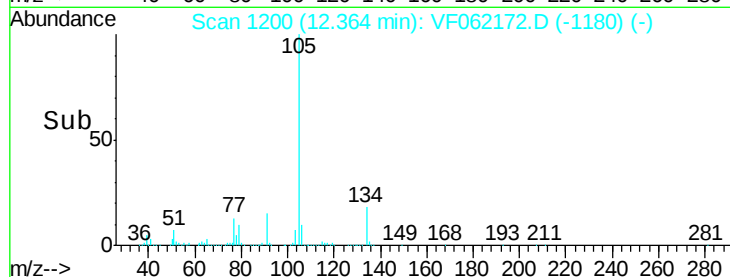
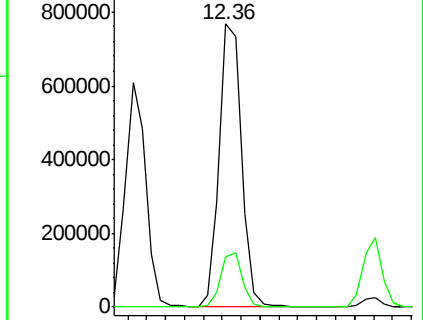
MMDadoda

4/17/2019 11:50:17 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.664 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

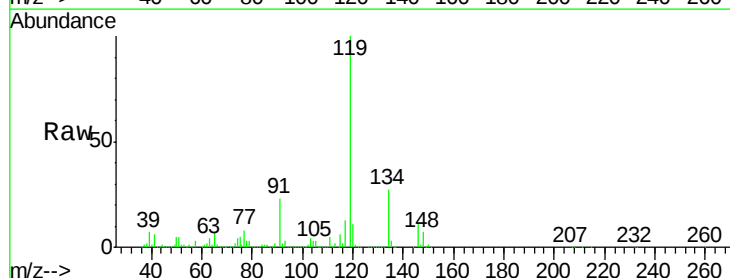
Tgt Ion:119 Resp: 1063011

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.5

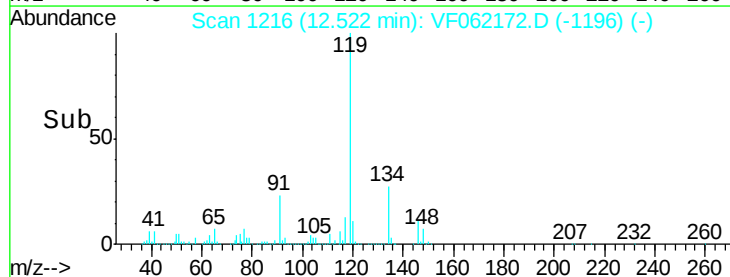
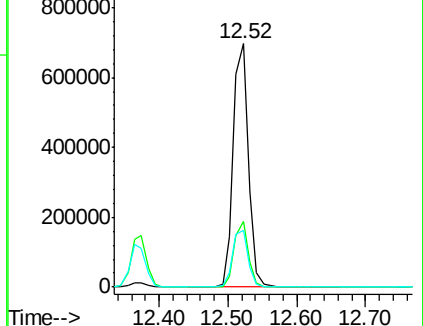
91 23.0 11.5 34.5

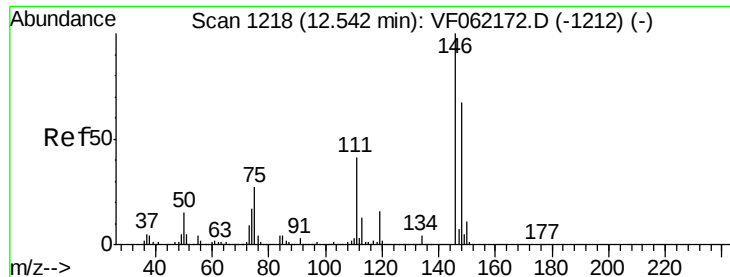


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





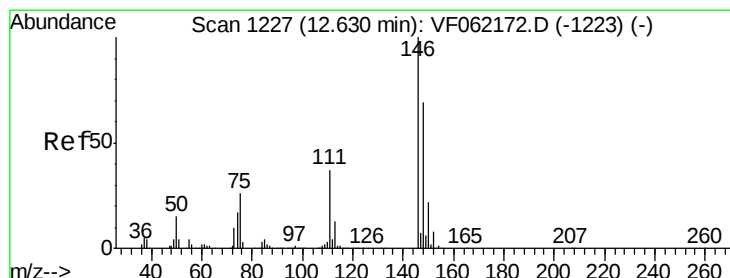
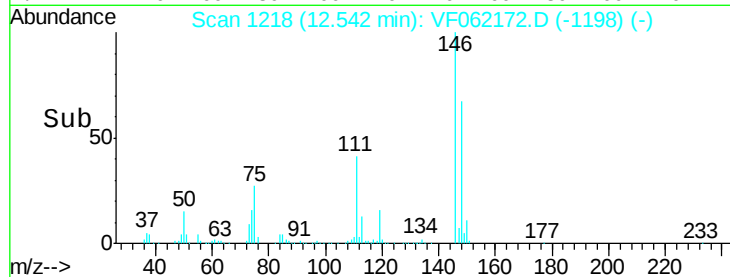
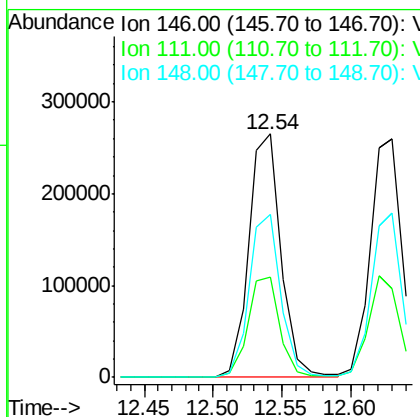
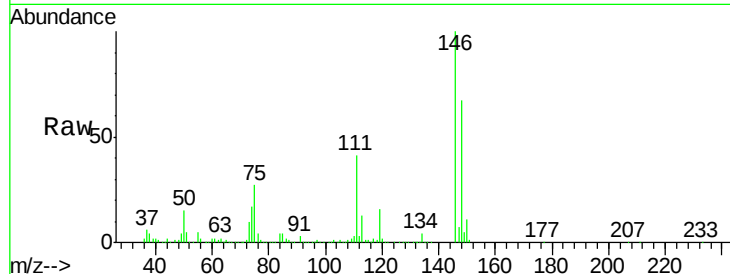
#87  
 1,3-Dichlorobenzene  
 Concen: 49.314 ug/l  
 RT: 12.54 min Scan# 1218  
 Delta R.T. 0.00 min  
 Lab File: VF062172.D  
 Acq: 16 Apr 2019 12:16

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.1  | 20.5  | 61.6  |
| 148     | 67.2  | 33.6  | 100.8 |

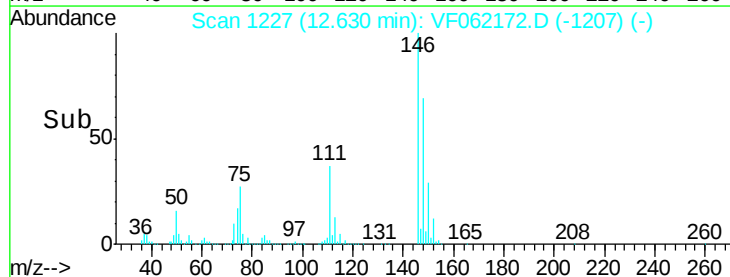
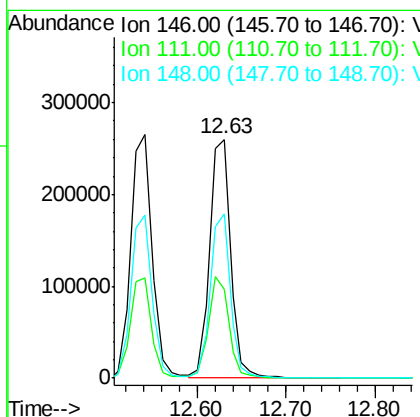
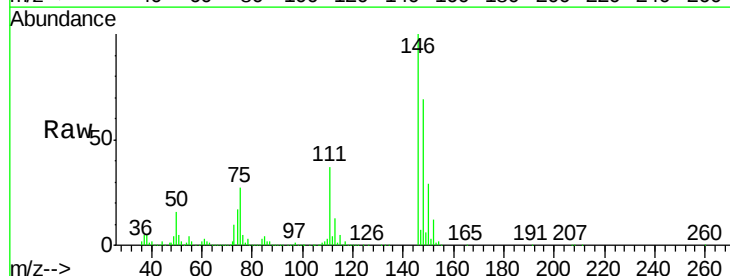
Manual Integrations  
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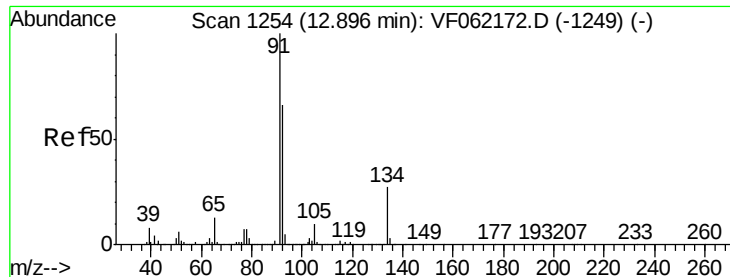
MMDadoda  
 4/17/2019 11:50:17 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 49.610 ug/l  
 RT: 12.63 min Scan# 1227  
 Delta R.T. 0.00 min  
 Lab File: VF062172.D  
 Acq: 16 Apr 2019 12:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.1  | 18.6  | 55.6  |
| 148     | 68.5  | 34.3  | 102.8 |





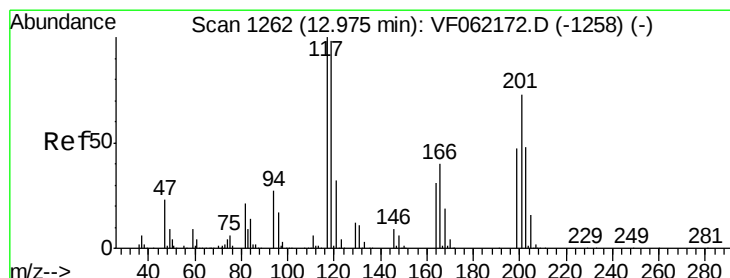
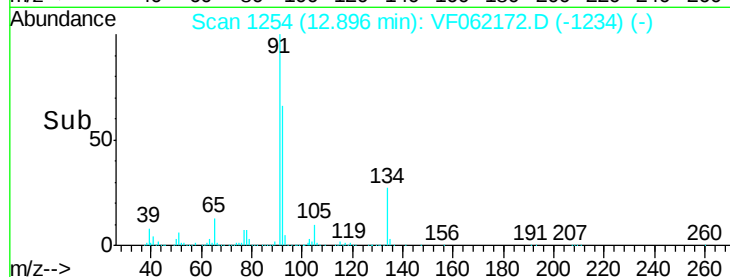
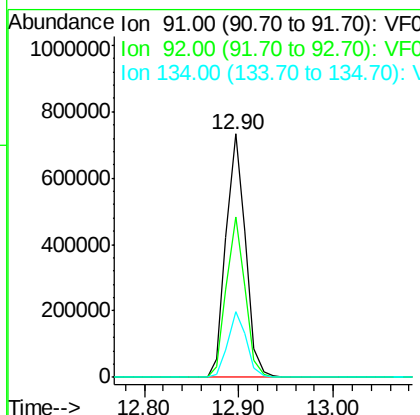
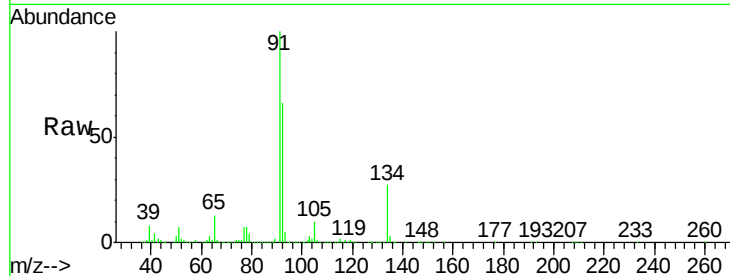
#89  
n-Butylbenzene  
Concen: 48.608 ug/l  
RT: 12.90 min Scan# 1254  
Delta R.T. 0.00 min  
Lab File: VF062172.D  
Acq: 16 Apr 2019 12:16

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 65.7  | 32.9  | 98.6  |
| 134     | 26.8  | 13.4  | 40.2  |

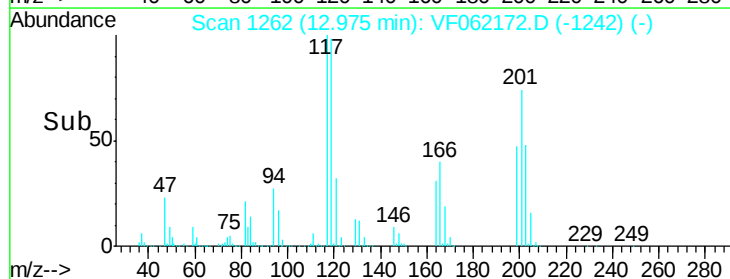
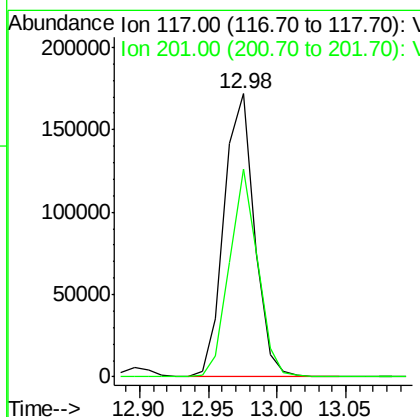
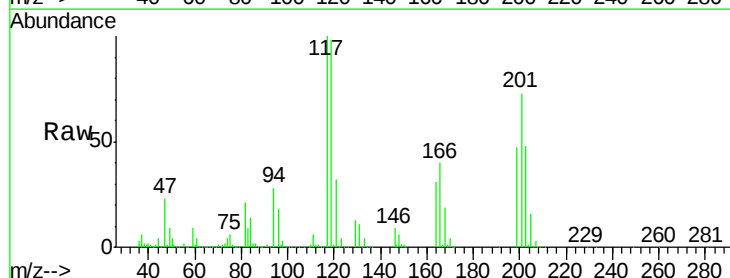
Manual Integrations  
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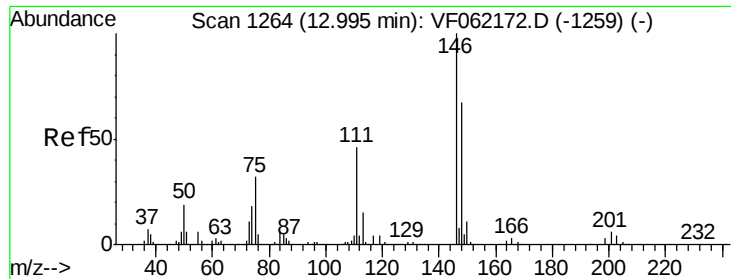
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#90  
Hexachloroethane  
Concen: 50.223 ug/l  
RT: 12.98 min Scan# 1262  
Delta R.T. 0.00 min  
Lab File: VF062172.D  
Acq: 16 Apr 2019 12:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 73.4  | 36.7  | 110.1 |





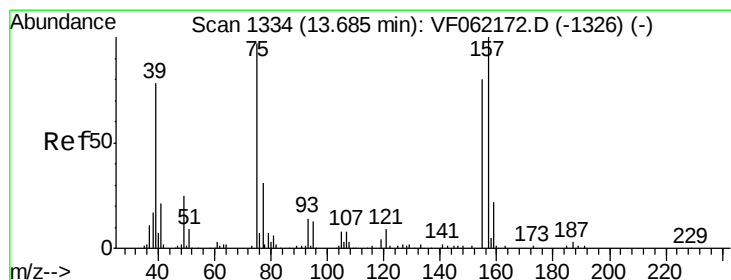
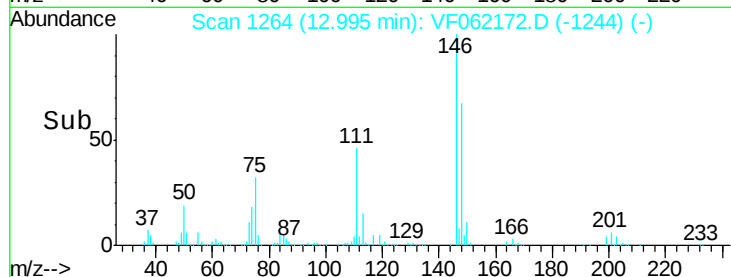
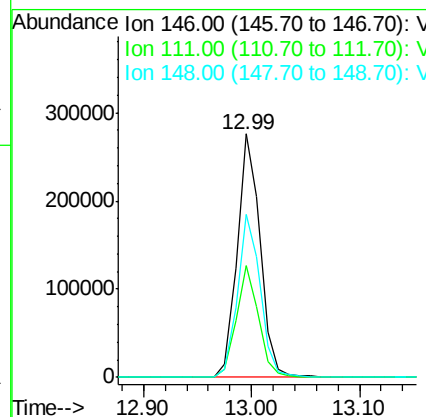
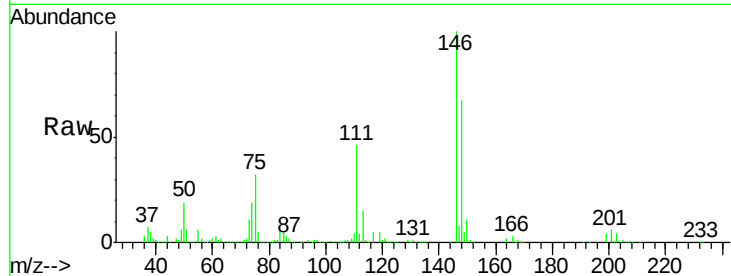
#91  
 1,2-Dichlorobenzene  
 Concen: 48.418 ug/l  
 RT: 12.99 min Scan# 1264  
 Delta R.T. 0.00 min  
 Lab File: VF062172.D  
 Acq: 16 Apr 2019 12:16

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 45.9  | 22.9  | 68.8  |
| 148     | 67.1  | 33.6  | 100.6 |

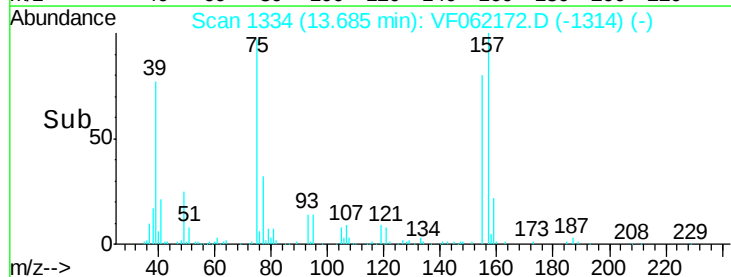
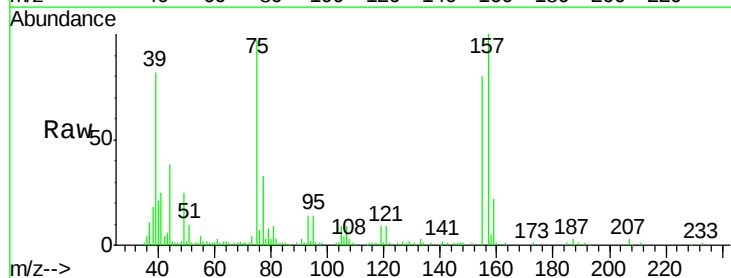
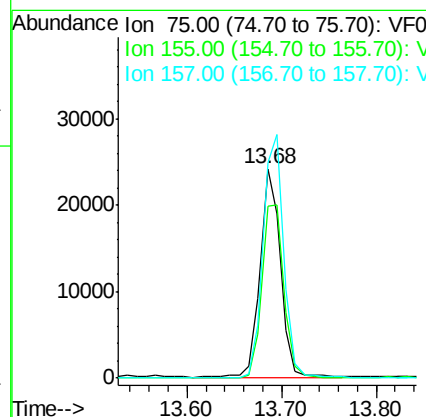
Manual Integrations  
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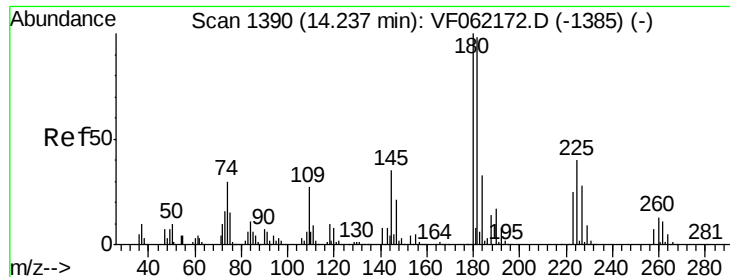
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 4/17/2019 11:50:17 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 48.704 ug/l  
 RT: 13.68 min Scan# 1334  
 Delta R.T. 0.00 min  
 Lab File: VF062172.D  
 Acq: 16 Apr 2019 12:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 82.0  | 41.0  | 123.0 |
| 157     | 102.7 | 51.3  | 154.0 |





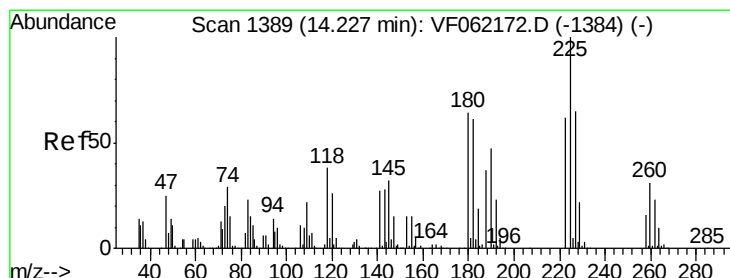
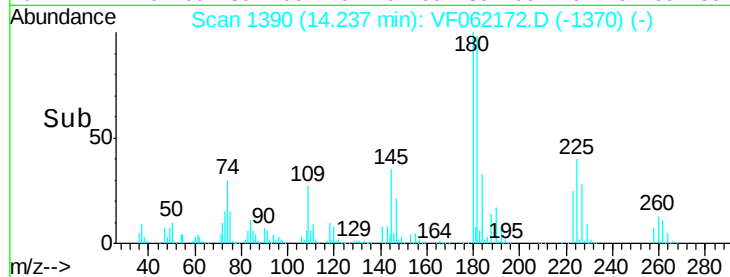
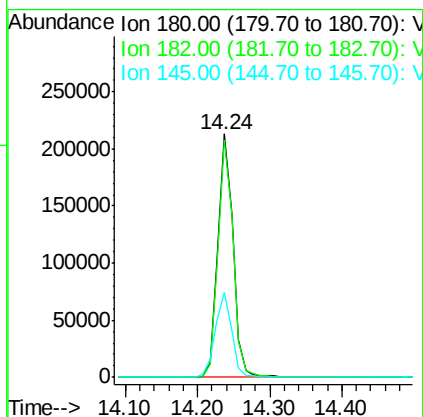
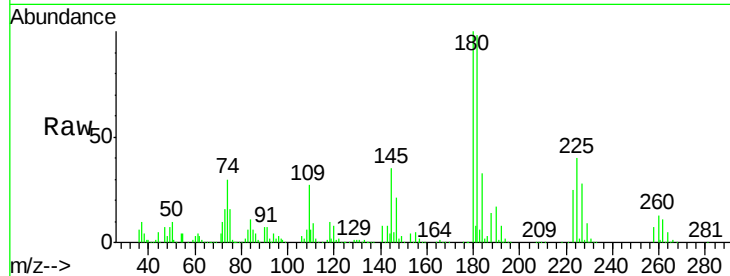
#93  
 1,2,4-Trichlorobenzene  
 Concen: 48.402 ug/l  
 RT: 14.24 min Scan# 1390  
 Delta R.T. 0.00 min  
 Lab File: VF062172.D  
 Acq: 16 Apr 2019 12:16

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 306245 |       |       |
| 182     | 97.6  | 48.8   | 146.4 |       |
| 145     | 34.7  | 17.3   | 52.0  |       |

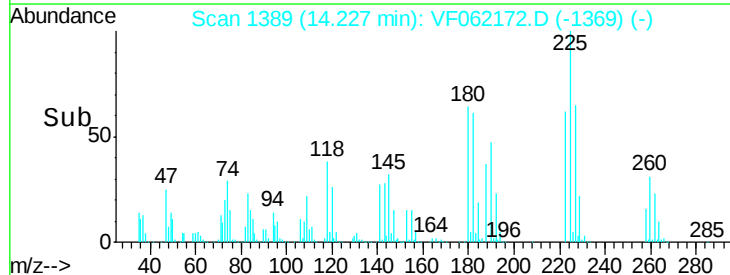
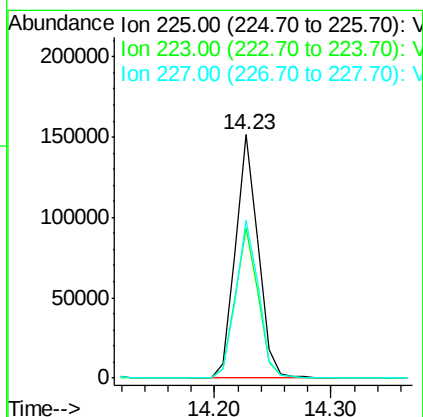
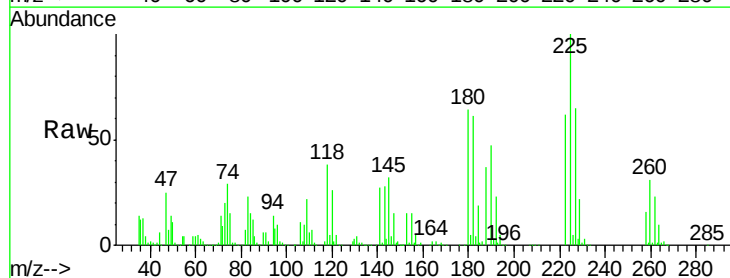
Manual Integrations  
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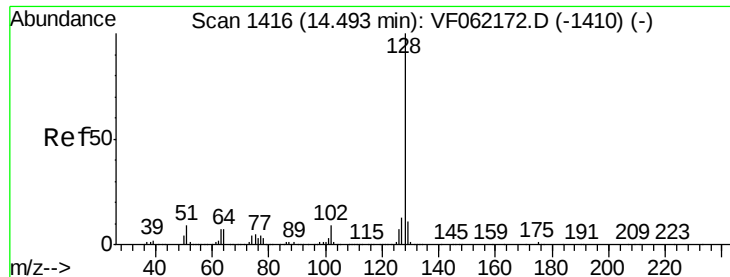
MMDadoda  
 4/17/2019 11:50:17 AM



#94  
 Hexachlorobutadiene  
 Concen: 49.659 ug/l  
 RT: 14.23 min Scan# 1389  
 Delta R.T. 0.00 min  
 Lab File: VF062172.D  
 Acq: 16 Apr 2019 12:16

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 204767 |       |       |
| 223     | 61.8  | 30.9   | 92.7  |       |
| 227     | 64.6  | 32.3   | 96.9  |       |





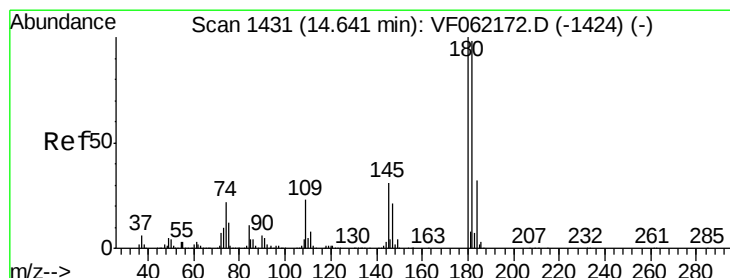
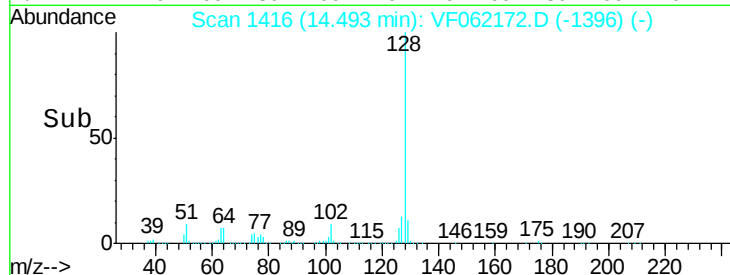
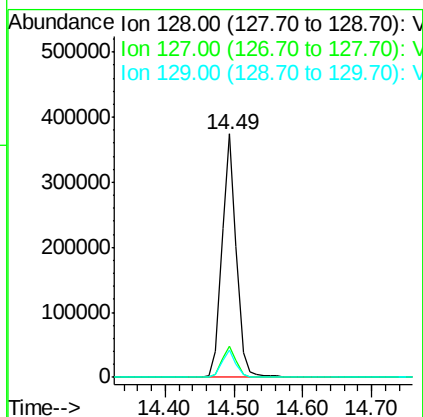
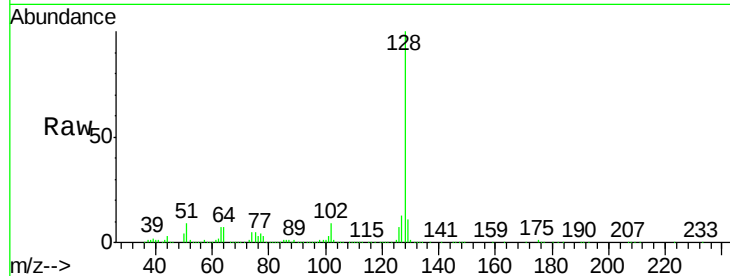
#95  
Naphthalene  
Concen: 48.784 ug/l  
RT: 14.49 min Scan# 1416  
Delta R.T. 0.00 min  
Lab File: VF062172.D  
Acq: 16 Apr 2019 12:16

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 539269 |       |       |
| 127     | 12.9  |        | 10.3  | 15.5  |
| 129     | 11.5  |        | 9.2   | 13.8  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 49.685 ug/l  
RT: 14.64 min Scan# 1431  
Delta R.T. 0.00 min  
Lab File: VF062172.D  
Acq: 16 Apr 2019 12:16

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 292885 |       |       |
| 182     | 98.1  |        | 49.0  | 147.2 |
| 145     | 30.8  |        | 15.4  | 46.2  |

