

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030119\  
 Data File : VF061804.D  
 Acq On : 1 Mar 2019 15:55  
 Operator : VA/AP  
 Sample : VF0301SBSD01  
 Misc : 5.00g/5mL/MSVOA-F/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0301SBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 3/4/2019 4:00:54 PM

Quant Time: Mar 02 03:04:07 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F021319S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 14 03:27:56 2019  
 Response via : Initial Calibration

| Internal Standards            | R.T.  | QIon | Response | Conc    | Units   | Dev(Min) |
|-------------------------------|-------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene         | 4.85  | 168  | 291604   | 50.00   | ug/l    | -0.04    |
| 34) 1,4-Difluorobenzene       | 5.58  | 114  | 431485   | 50.00   | ug/l    | -0.03    |
| 63) Chlorobenzene-d5          | 9.76  | 117  | 355067   | 50.00   | ug/l    | -0.03    |
| 72) 1,4-Dichlorobenzene-d4    | 12.54 | 152  | 205608   | 50.00   | ug/l    | -0.02    |
| System Monitoring Compounds   |       |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4     | 4.83  | 65   | 116723   | 54.58   | ug/l    | -0.03    |
| Spiked Amount 50.000          |       |      | Recovery | =       | 109.16% |          |
| 35) Dibromofluoromethane      | 4.10  | 113  | 161929   | 50.54   | ug/l    | -0.02    |
| Spiked Amount 50.000          |       |      | Recovery | =       | 101.08% |          |
| 50) Toluene-d8                | 7.54  | 98   | 433013   | 47.01   | ug/l    | -0.02    |
| Spiked Amount 50.000          |       |      | Recovery | =       | 94.02%  |          |
| 62) 4-Bromofluorobenzene      | 11.40 | 95   | 173742   | 46.62   | ug/l    | -0.02    |
| Spiked Amount 50.000          |       |      | Recovery | =       | 93.24%  |          |
| Target Compounds              |       |      |          |         |         |          |
|                               |       |      |          |         | Qvalue  |          |
| 2) Dichlorodifluoromethane    | 0.96  | 85   | 86110    | 25.714  | ug/l    | 86       |
| 3) Chloromethane              | 1.10  | 50   | 81340    | 23.150  | ug/l    | 90       |
| 4) Vinyl Chloride             | 1.13  | 62   | 76306    | 23.361  | ug/l    | 92       |
| 5) Bromomethane               | 1.32  | 94   | 51446    | 22.885  | ug/l    | 89       |
| 6) Chloroethane               | 1.39  | 64   | 36998    | 22.985  | ug/l    | 97       |
| 7) Trichlorofluoromethane     | 1.48  | 101  | 97732    | 24.808  | ug/l    | 97       |
| 8) Diethyl Ether              | 1.62  | 74   | 20967    | 21.119  | ug/l    | 94       |
| 9) 1,1,2-Trichlorotrifluoroet | 1.83  | 101  | 70218    | 24.707  | ug/l    | 95       |
| 10) Methyl Iodide             | 1.91  | 142  | 122558m  | 22.575  | ug/l    |          |
| 11) Tert butyl alcohol        | 2.56  | 59   | 13722    | 110.880 | ug/l #  | 82       |
| 12) 1,1-Dichloroethene        | 1.79  | 96   | 61120    | 24.460  | ug/l    | 91       |
| 13) Acrolein                  | 2.00  | 56   | 13872    | 89.187  | ug/l    | 90       |
| 14) Allyl chloride            | 2.09  | 41   | 67489    | 22.010  | ug/l    | 95       |
| 15) Acrylonitrile             | 2.94  | 53   | 43338    | 98.728  | ug/l    | 95       |
| 16) Acetone                   | 2.23  | 43   | 54364    | 118.492 | ug/l    | 99       |
| 17) Carbon Disulfide          | 1.82  | 76   | 179791m  | 22.890  | ug/l    |          |
| 18) Methyl Acetate            | 2.33  | 43   | 26362m   | 25.506  | ug/l    |          |
| 19) Methyl tert-butyl Ether   | 2.42  | 73   | 96404    | 22.574  | ug/l    | 99       |
| 20) Methylene Chloride        | 2.18  | 84   | 62665m   | 24.188  | ug/l    |          |
| 21) trans-1,2-Dichloroethene  | 2.30  | 96   | 50646    | 18.645  | ug/l    | 94       |
| 22) Diisopropyl ether         | 2.79  | 45   | 171134   | 23.251  | ug/l #  | 96       |
| 23) Vinyl Acetate             | 3.17  | 43   | 384588   | 106.979 | ug/l    | 96       |
| 24) 1,1-Dichloroethane        | 2.86  | 63   | 103322   | 23.197  | ug/l    | 98       |
| 25) 2-Butanone                | 4.33  | 43   | 106480   | 106.250 | ug/l    | 94       |
| 26) 2,2-Dichloropropane       | 3.58  | 77   | 45289    | 24.004  | ug/l    | 93       |
| 27) cis-1,2-Dichloroethene    | 3.46  | 96   | 78849    | 22.115  | ug/l    | 98       |
| 28) Bromochloromethane        | 3.70  | 49   | 44153    | 20.660  | ug/l    | 98       |
| 29) Tetrahydrofuran           | 4.06  | 42   | 40412    | 88.722  | ug/l    | 95       |
| 30) Chloroform                | 3.84  | 83   | 113088   | 22.325  | ug/l    | 99       |
| 31) Cyclohexane               | 3.69  | 56   | 106181m  | 22.021  | ug/l    |          |
| 32) 1,1,1-Trichloroethane     | 4.07  | 97   | 73589    | 22.178  | ug/l    | 98       |
| 36) 1,1-Dichloropropene       | 4.27  | 75   | 93115    | 21.784  | ug/l    | 95       |
| 37) Ethyl Acetate             | 4.10  | 43   | 37232    | 18.753  | ug/l #  | 83       |
| 38) Carbon Tetrachloride      | 3.98  | 117  | 67561    | 22.890  | ug/l    | 97       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030119\  
 Data File : VF061804.D  
 Acq On : 1 Mar 2019 15:55  
 Operator : VA/AP  
 Sample : VF0301SBSD01  
 Misc : 5.00g/5mL/MSVOA-F/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0301SBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 3/4/2019 4:00:54 PM

Quant Time: Mar 02 03:04:07 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F021319S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 14 03:27:56 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 5.44  | 83   | 112267   | 22.208  | ug/l   | 92       |
| 40) Benzene                    | 4.62  | 78   | 240865   | 21.544  | ug/l   | 99       |
| 41) Methacrylonitrile          | 4.73  | 41   | 19699    | 19.402  | ug/l   | 94       |
| 42) 1,2-Dichloroethane         | 4.93  | 62   | 56550    | 21.145  | ug/l   | 96       |
| 43) Isopropyl Acetate          | 6.95  | 43   | 46720    | 19.881  | ug/l # | 93       |
| 44) Trichloroethene            | 5.49  | 130  | 81797    | 22.624  | ug/l   | 92       |
| 45) 1,2-Dichloropropane        | 6.22  | 63   | 59077    | 21.860  | ug/l   | 95       |
| 46) Dibromomethane             | 6.07  | 93   | 35367    | 21.255  | ug/l   | 85       |
| 47) Bromodichloromethane       | 6.37  | 83   | 81364    | 22.329  | ug/l   | 98       |
| 48) Methyl methacrylate        | 6.70  | 41   | 25545    | 18.063  | ug/l # | 87       |
| 49) 1,4-Dioxane                | 6.69  | 88   | 5340     | 401.673 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone       | 8.24  | 43   | 157283   | 93.667  | ug/l   | 100      |
| 52) Toluene                    | 7.61  | 92   | 147055   | 21.687  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 8.26  | 75   | 65377    | 21.558  | ug/l   | 94       |
| 54) cis-1,3-Dichloropropene    | 7.28  | 75   | 90012    | 22.283  | ug/l   | 92       |
| 55) 1,1,2-Trichloroethane      | 8.48  | 97   | 39451    | 19.802  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 8.61  | 69   | 44008    | 19.841  | ug/l   | 94       |
| 57) 1,3-Dichloropropane        | 8.83  | 76   | 70256    | 21.128  | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether  | 7.28  | 63   | 34010    | 88.869  | ug/l   | 92       |
| 59) 2-Hexanone                 | 9.47  | 43   | 122171   | 103.794 | ug/l   | 97       |
| 60) Dibromochloromethane       | 8.70  | 129  | 58345    | 21.041  | ug/l   | 94       |
| 61) 1,2-Dibromoethane          | 8.97  | 107  | 44274    | 20.489  | ug/l   | 100      |
| 64) Tetrachloroethene          | 8.13  | 164  | 67210    | 23.158  | ug/l   | 95       |
| 65) Chlorobenzene              | 9.78  | 112  | 159005   | 22.068  | ug/l   | 95       |
| 66) 1,1,1,2-Tetrachloroethane  | 9.92  | 131  | 63984    | 22.663  | ug/l   | 99       |
| 67) Ethyl Benzene              | 9.89  | 91   | 272505   | 22.743  | ug/l   | 100      |
| 68) m/p-Xylenes                | 10.11 | 106  | 213264   | 46.506  | ug/l   | 94       |
| 69) o-Xylene                   | 10.70 | 106  | 113453   | 23.186  | ug/l   | 93       |
| 70) Styrene                    | 10.78 | 104  | 155202   | 22.421  | ug/l   | 98       |
| 71) Bromoform                  | 10.76 | 173  | 31940    | 20.833  | ug/l   | 98       |
| 73) Isopropylbenzene           | 11.11 | 105  | 334627   | 22.859  | ug/l   | 98       |
| 74) N-amyl acetate             | 11.36 | 43   | 69962    | 19.911  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.68 | 83   | 50841    | 19.386  | ug/l   | 95       |
| 76) 1,2,3-Trichloropropane     | 11.78 | 75   | 35404    | 19.856  | ug/l   | 91       |
| 77) Bromobenzene               | 11.49 | 156  | 72736    | 20.112  | ug/l   | 98       |
| 78) n-propylbenzene            | 11.58 | 91   | 369585   | 22.001  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 11.70 | 91   | 209392   | 22.257  | ug/l   | 92       |
| 80) 1,3,5-Trimethylbenzene     | 11.81 | 105  | 268113   | 22.916  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 11.86 | 75   | 16214m   | 18.967  | ug/l   |          |
| 82) 4-Chlorotoluene            | 11.89 | 91   | 207372   | 21.236  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.12 | 119  | 281531   | 21.725  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene     | 12.20 | 105  | 265509   | 22.842  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 12.29 | 105  | 369184   | 22.030  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 12.45 | 119  | 324765   | 23.092  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 12.46 | 146  | 152293   | 21.601  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 12.55 | 146  | 148150   | 21.850  | ug/l   | 99       |
| 89) n-Butylbenzene             | 12.84 | 91   | 303514   | 22.854  | ug/l   | 96       |
| 90) Hexachloroethane           | 12.91 | 117  | 73851    | 22.578  | ug/l   | 90       |
| 91) 1,2-Dichlorobenzene        | 12.93 | 146  | 141445   | 21.092  | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.63 | 75   | 7338     | 17.648  | ug/l   | 60       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030119\  
Data File : VF061804.D  
Acq On : 1 Mar 2019 15:55  
Operator : VA/AP  
Sample : VF0301SBSD01  
Misc : 5.00g/5mL/MSVOA-F/SOIL  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0301SBSD01

Manual Integrations  
APPROVED

MMDadoda  
3/4/2019 4:00:54 PM

Quant Time: Mar 02 03:04:07 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F021319S.M  
Quant Title : SW846 8260  
QLast Update : Thu Feb 14 03:27:56 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.19 | 180  | 105073   | 21.860 | ug/l  | 96       |
| 94) Hexachlorobutadiene    | 14.18 | 225  | 66267    | 22.323 | ug/l  | 96       |
| 95) Naphthalene            | 14.44 | 128  | 169127   | 20.110 | ug/l  | 97       |
| 96) 1,2,3-Trichlorobenzene | 14.59 | 180  | 93728    | 21.245 | ug/l  | 95       |

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

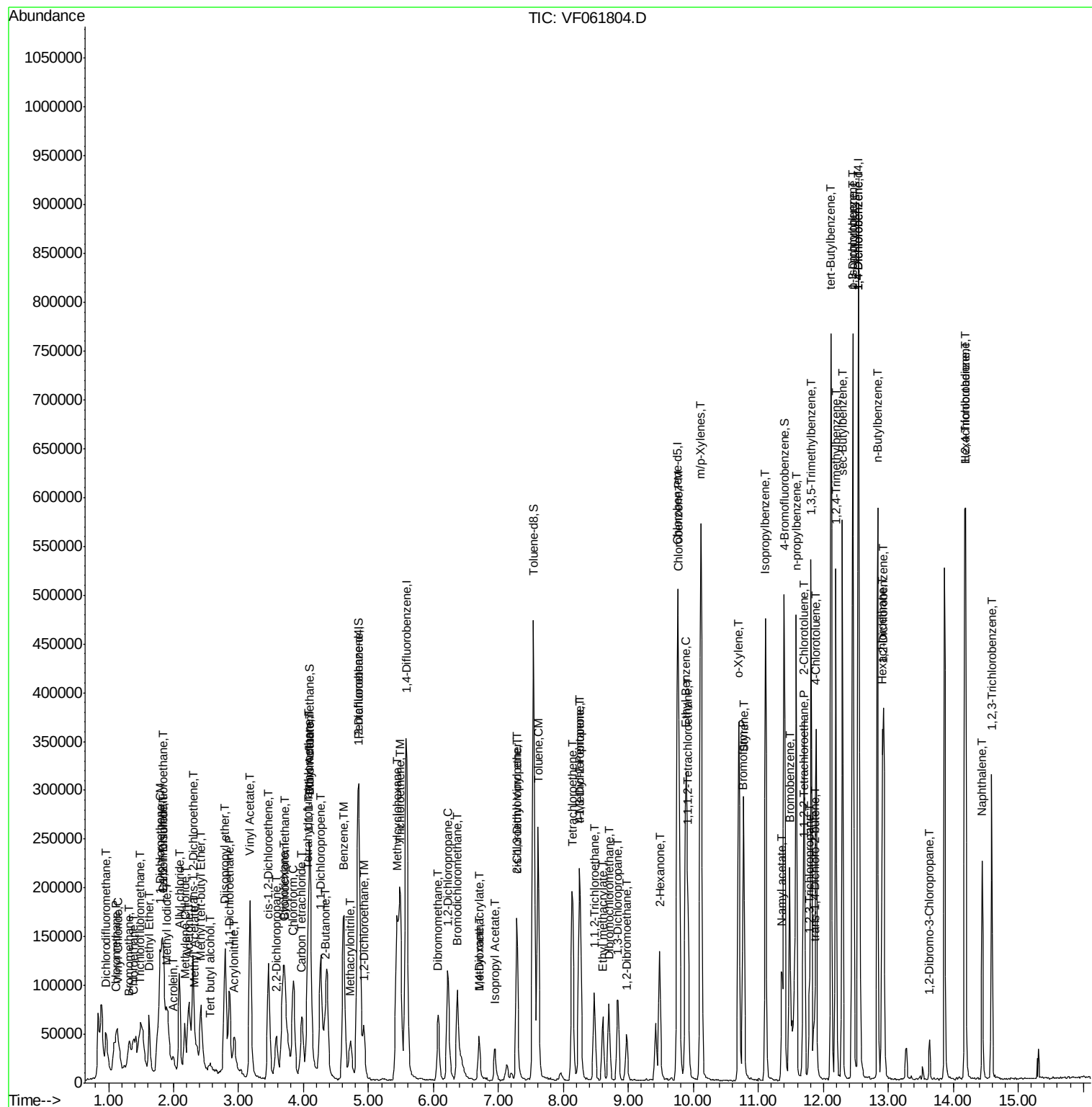
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF030119\  
Data File : VF061804.D  
Acq On : 1 Mar 2019 15:55  
Operator : VA/AP  
Sample : VF0301SBSD01  
Misc : 5.00µL/5mL/MSVOA-F/SOIL  
ALS Vial : 5 Sample Multiplier: 1

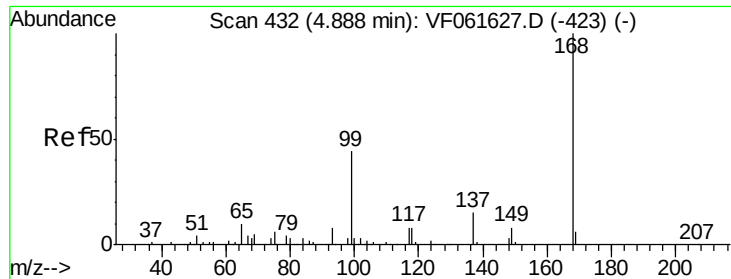
Instrument :  
MSVOA\_F  
Client Sample Id :  
VF0301SBSD01

Manual Integrations  
APPROVED

MMDadoda  
3/4/2019 4:00:54 PM

Quant Time: Mar 02 03:04:07 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F021319S.M  
Quant Title : SW846 8260  
QLast Update : Thu Feb 14 03:27:56 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.04 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Instrument :

MSVOA\_F

ClientSampleId :

VF0301SBSD01

Tot Ion:168 Resp: 291604

Ion Ratio Lower Upper

168 100

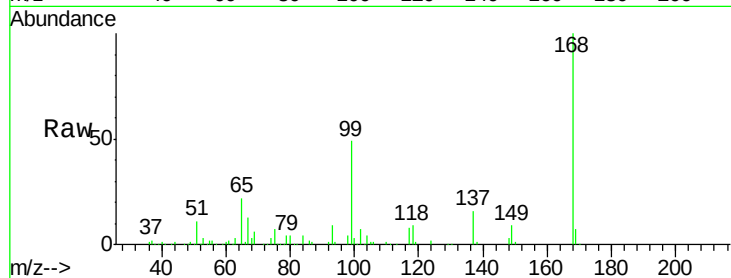
99 49.0 34.9 52.3

Manual Integrations

APPROVED

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3/4/2019 4:00:54 PM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

80000

60000

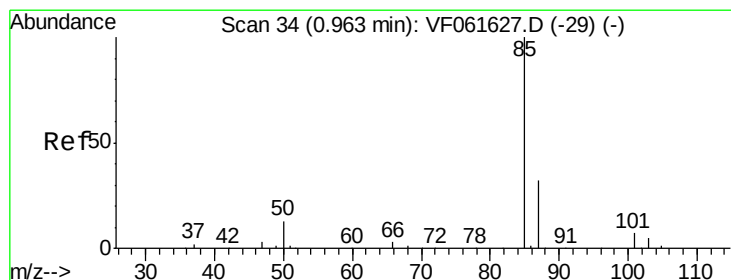
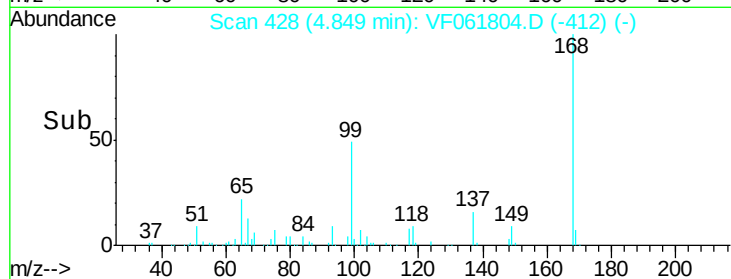
40000

20000

0

4.80 5.00

Time-->



#2

Dichlorodifluoromethane

Concen: 25.714 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF061804.D

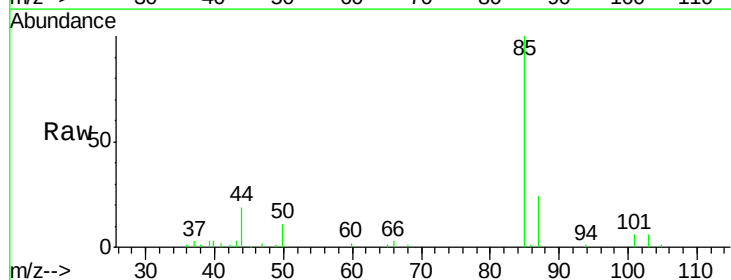
Acq: 1 Mar 2019 15:55

Tgt Ion: 85 Resp: 86110

Ion Ratio Lower Upper

85 100

87 24.4 16.1 48.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

30000

25000

20000

15000

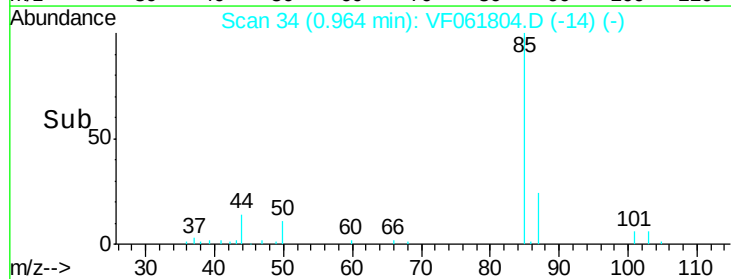
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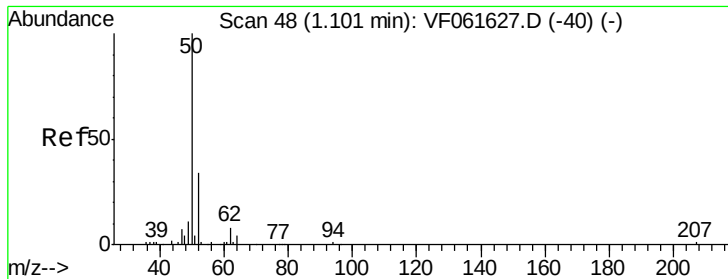
5000

0

0.80 0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 23.150 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Instrument :

MSVOA\_F

ClientSampleId :

VF0301SBSD01

Tot Ion: 50 Resp: 81340

Ion Ratio Lower Upper

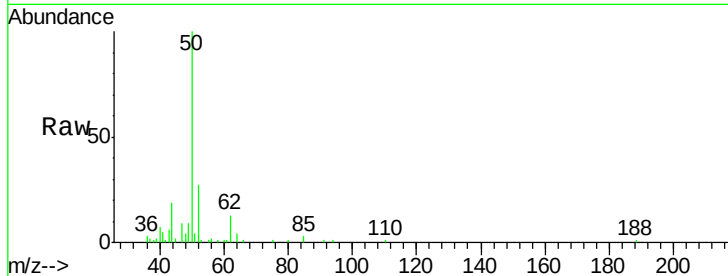
50 100

52 27.1 26.2 39.4

Manual Integrations  
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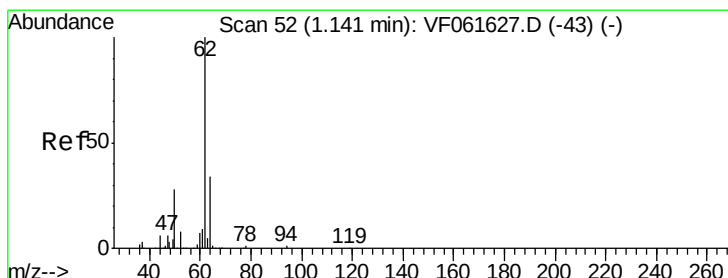
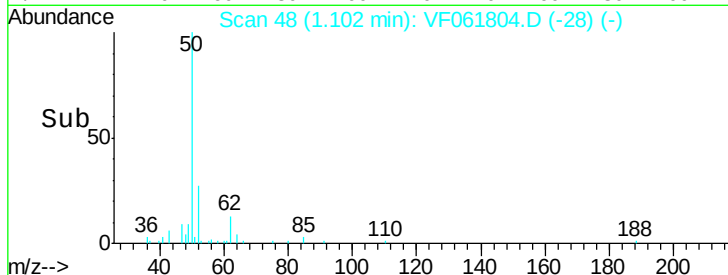
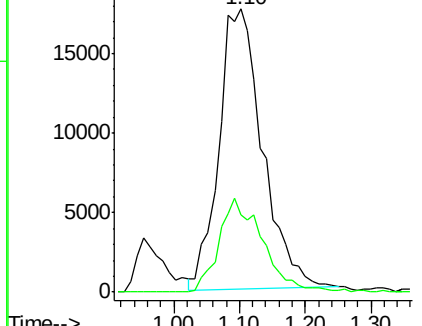
MMDadoda

3/4/2019 4:00:54 PM



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 23.361 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF061804.D

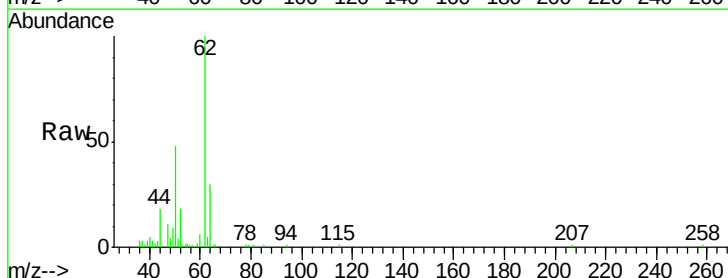
Acq: 1 Mar 2019 15:55

Tgt Ion: 62 Resp: 76306

Ion Ratio Lower Upper

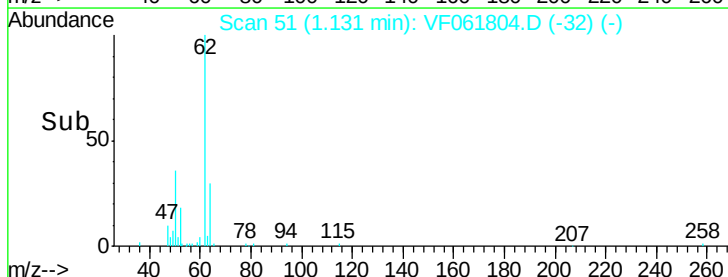
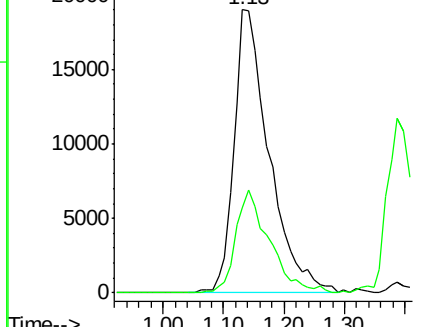
62 100

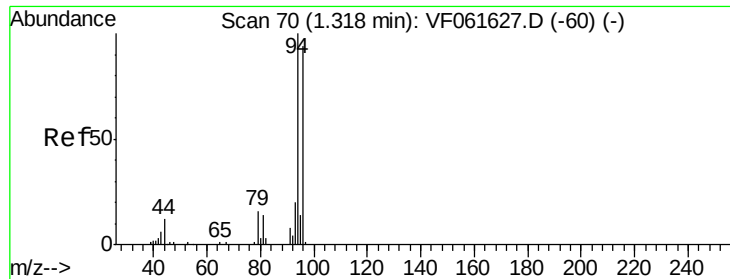
64 30.0 27.5 41.3



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 22.885 ug/l

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Instrument :

MSVOA\_F

ClientSampleId :

VF0301SBSD01

Tot Ion: 94 Resp: 51446

Ion Ratio Lower Upper

94 100

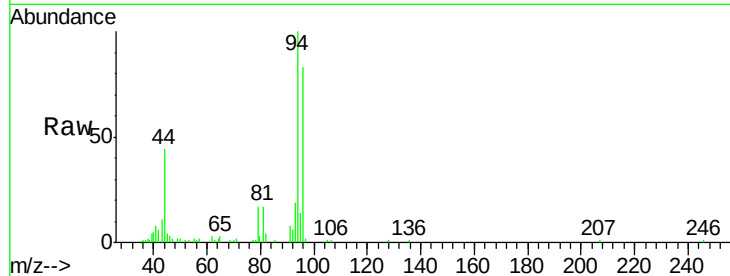
96 82.7 74.6 112.0

Manual Integrations

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3/4/2019 4:00:54 PM



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

12000

10000

8000

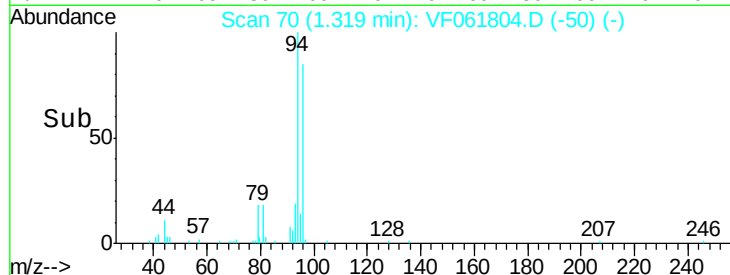
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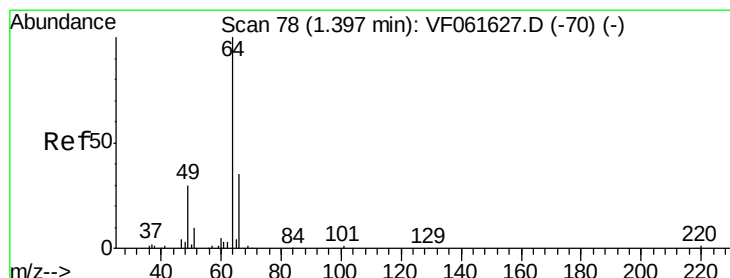
2000

0

Time-->



Time-->



#6

Chloroethane

Concen: 22.985 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.01 min

Lab File: VF061804.D

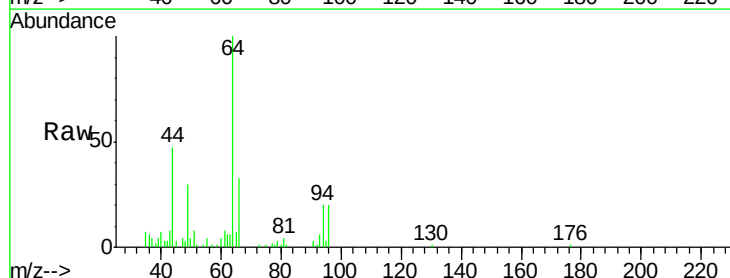
Acq: 1 Mar 2019 15:55

Tgt Ion: 64 Resp: 36998

Ion Ratio Lower Upper

64 100

66 33.4 27.9 41.9



Abundance Ion 64.00 (63.70 to 64.70): VF0

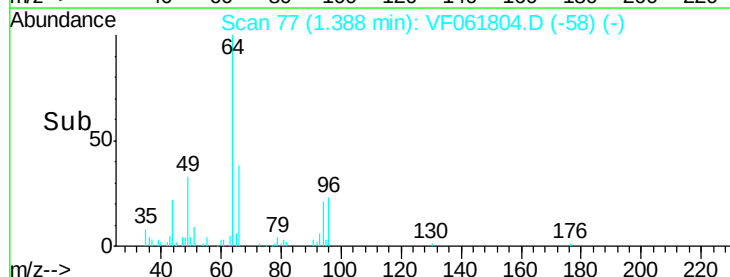
Ion 66.00 (65.70 to 66.70): VF0

10000

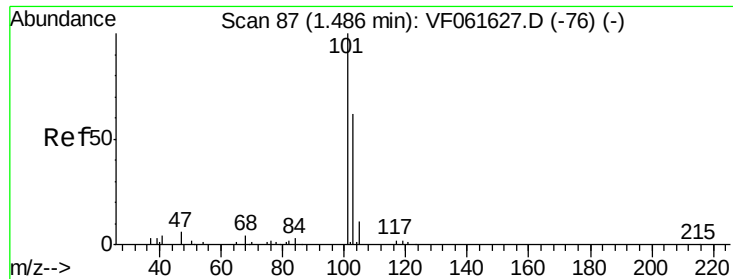
5000

0

Time-->



Time-->



#7

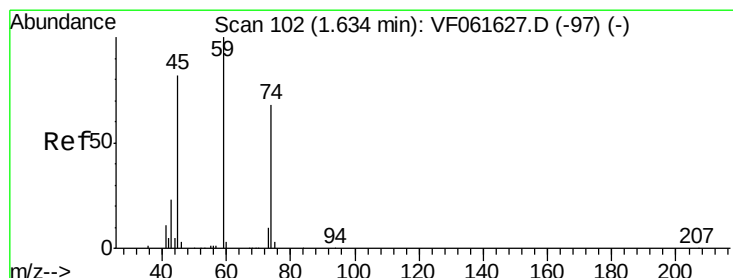
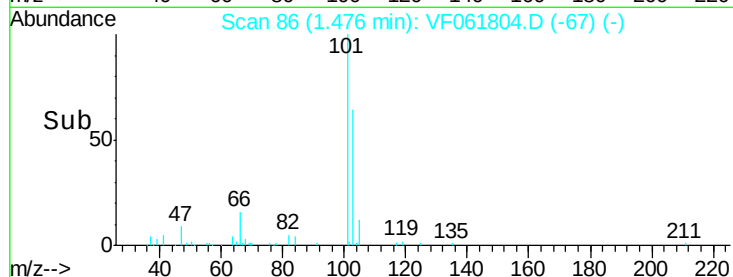
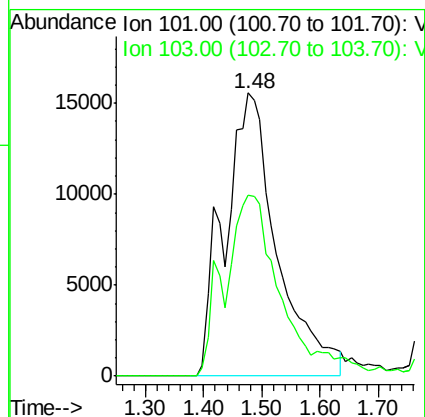
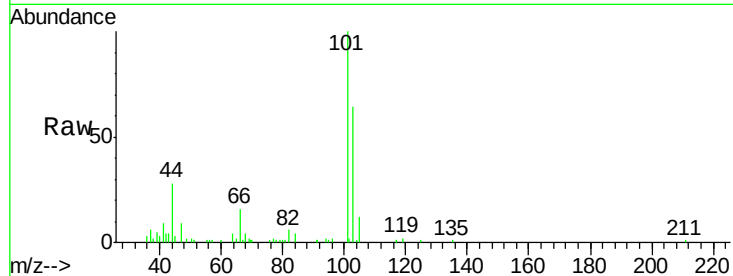
Trichlorofluoromethane  
Concen: 24.808 ug/l  
RT: 1.48 min Scan# 86  
Delta R.T. -0.01 min  
Lab File: VF061804.D  
Acq: 1 Mar 2019 15:55

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0301SBS01

Tot Ion:101 Resp: 97732  
Ion Ratio Lower Upper  
101 100  
103 64.1 49.3 73.9

Manual Integrations  
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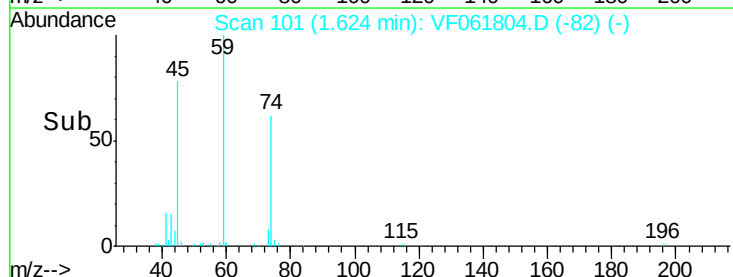
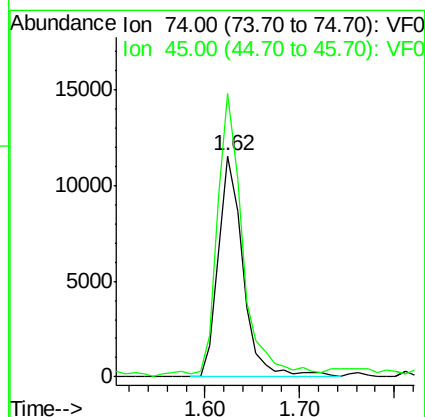
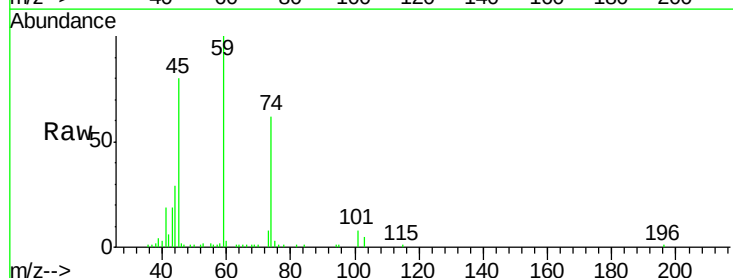
MMDadoda  
3/4/2019 4:00:54 PM



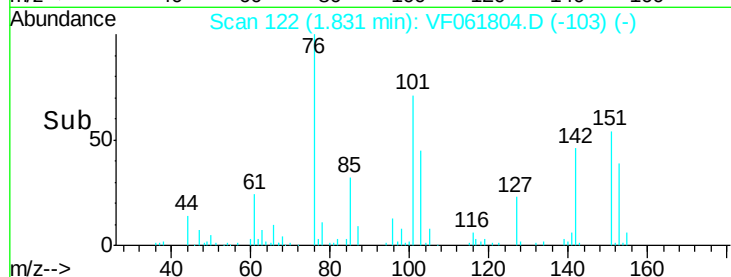
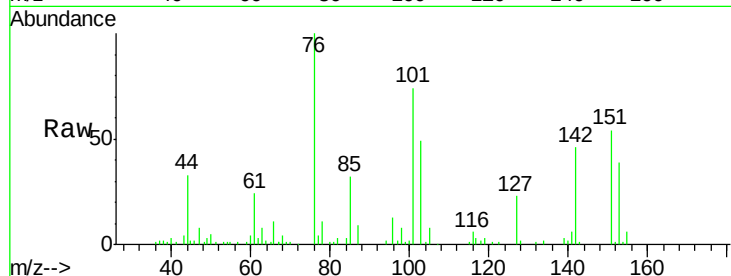
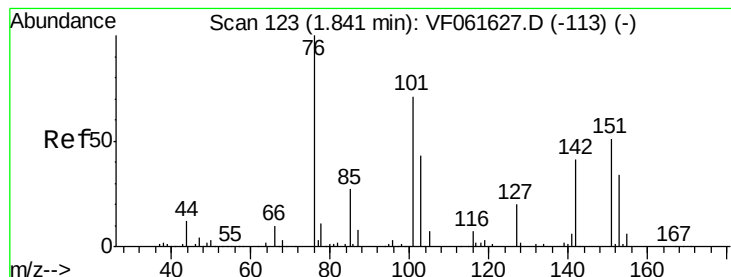
#8

Diethyl Ether  
Concen: 21.119 ug/l  
RT: 1.62 min Scan# 101  
Delta R.T. -0.01 min  
Lab File: VF061804.D  
Acq: 1 Mar 2019 15:55

Tgt Ion: 74 Resp: 20967  
Ion Ratio Lower Upper  
74 100  
45 128.0 60.8 182.3







#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.707 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF061804.D

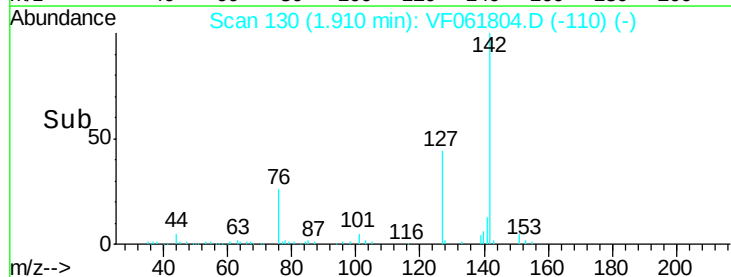
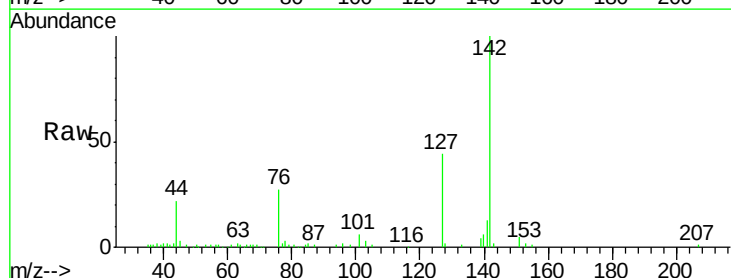
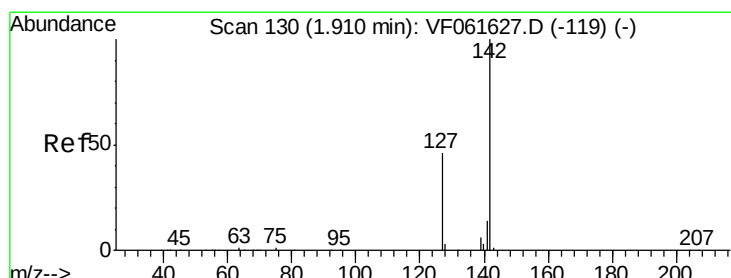
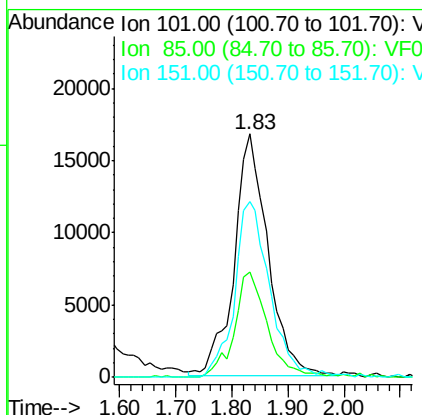
Acq: 1 Mar 2019 15:55

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 70218 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 43.2  | 29.8  | 44.6  |
| 151       | 72.3  | 56.3  | 84.5  |

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0301SBSD01

Manual Integrations  
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#10

Methyl Iodide

Concen: 22.575 ug/l m

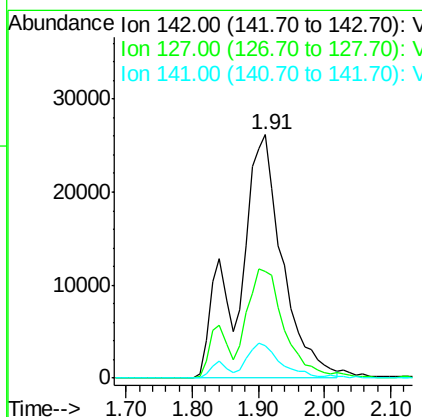
RT: 1.91 min Scan# 130

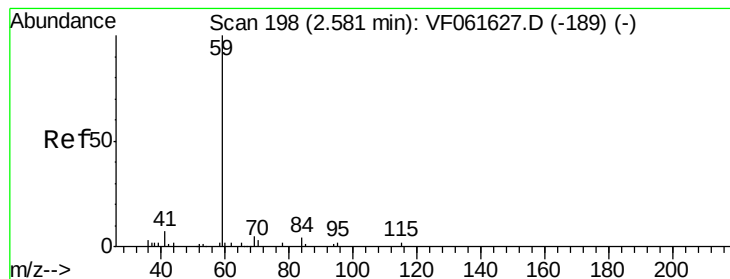
Delta R.T. 0.00 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 122558 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 44.0  | 36.6  | 55.0   |
| 141       | 13.2  | 11.0  | 16.6   |





#11

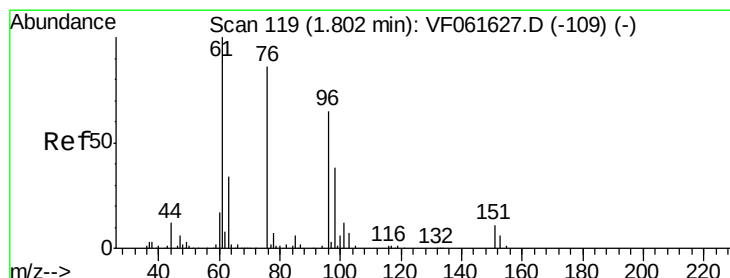
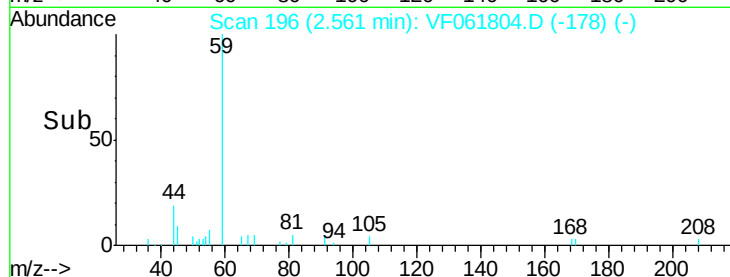
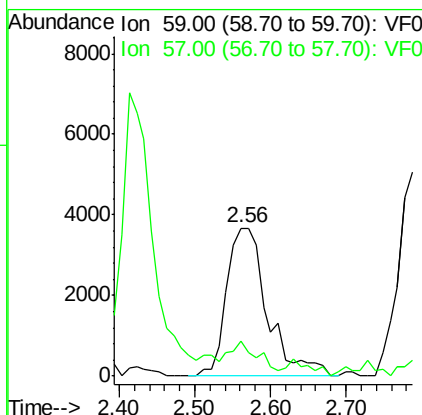
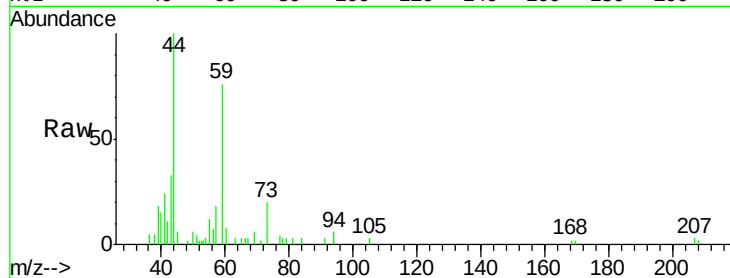
Tert butyl alcohol  
Concen: 110.880 ug/l  
RT: 2.56 min Scan# 196  
Delta R.T. -0.02 min  
Lab File: VF061804.D  
Acq: 1 Mar 2019 15:55

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0301SBS01

Tot Ion: 59 Resp: 13722  
Ion Ratio Lower Upper  
59 100  
57 23.3 12.5 18.7#

Manual Integrations  
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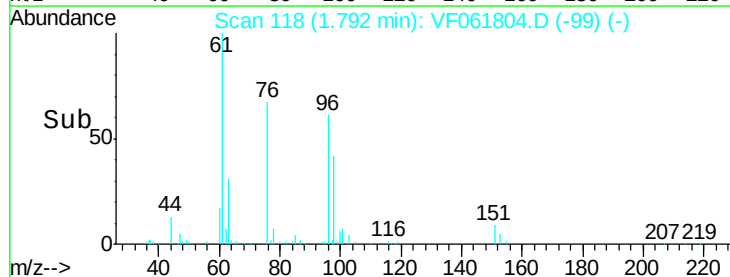
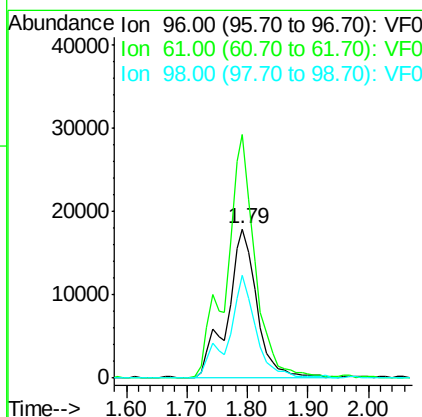
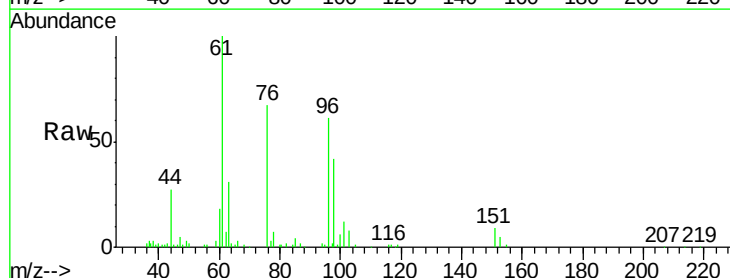
MMDadoda  
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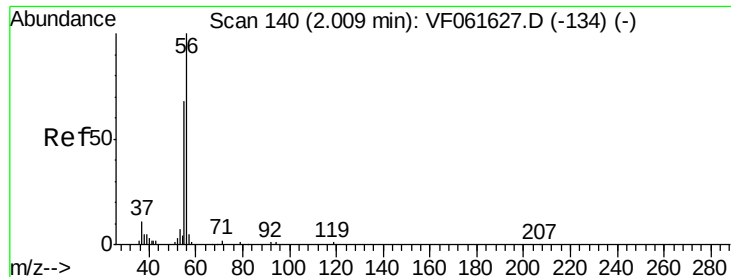


#12

1,1-Dichloroethene  
Concen: 24.460 ug/l  
RT: 1.79 min Scan# 118  
Delta R.T. -0.01 min  
Lab File: VF061804.D  
Acq: 1 Mar 2019 15:55

Tgt Ion: 96 Resp: 61120  
Ion Ratio Lower Upper  
96 100  
61 163.3 122.6 184.0  
98 68.8 47.2 70.8





#13

Acrolein

Concen: 89.187 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Instrument :

MSVOA\_F

ClientSampleId :

VF0301SBS01

Tot Ion: 56 Resp: 13872

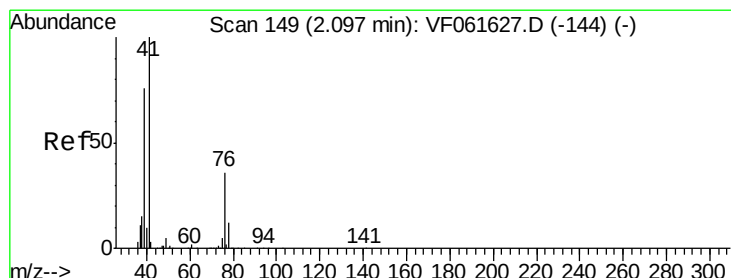
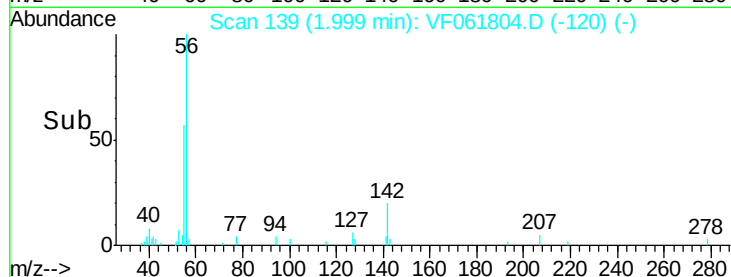
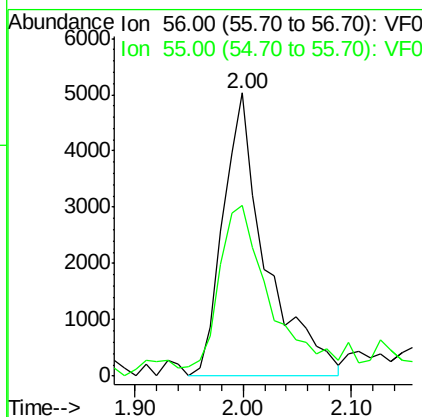
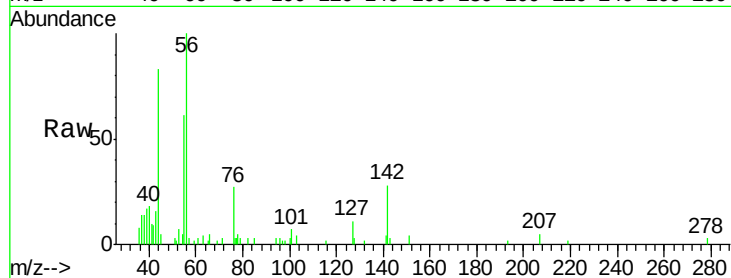
Ion Ratio Lower Upper

56 100

55 60.5 55.0 82.6

Manual Integrations  
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3/4/2019 4:00:54 PM



#14

Allyl chloride

Concen: 22.010 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.01 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

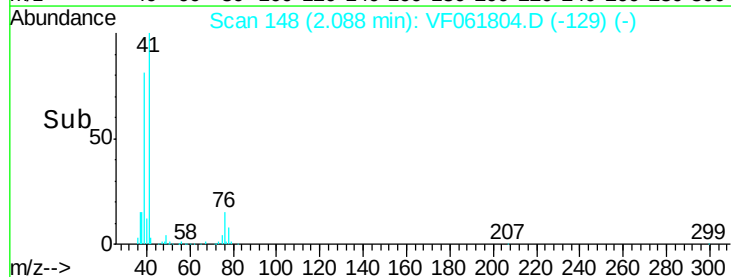
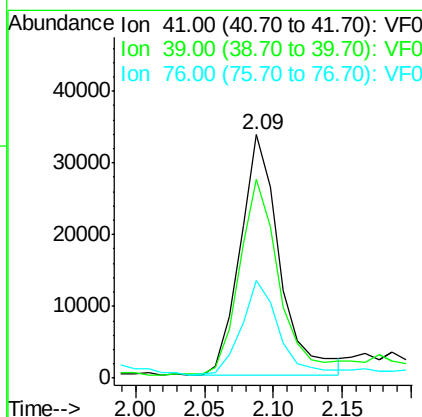
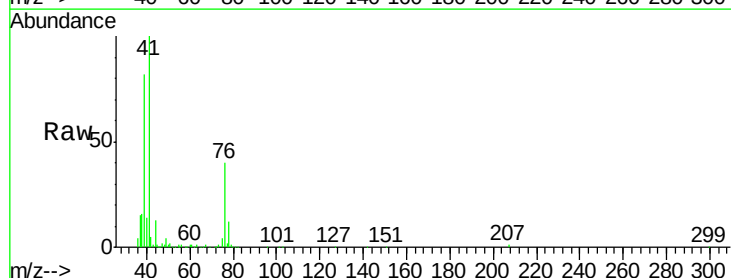
Tgt Ion: 41 Resp: 67489

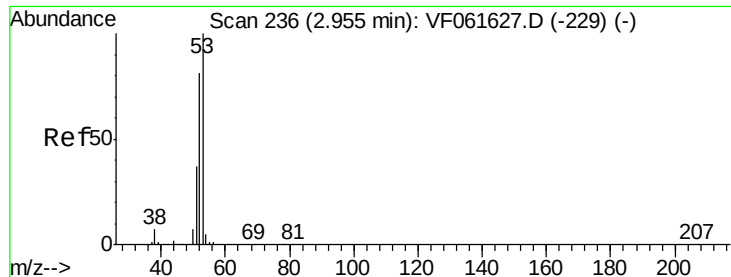
Ion Ratio Lower Upper

41 100

39 81.7 61.6 92.4

76 39.9 30.3 45.5





#15

Acrylonitrile

Concen: 98.728 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.02 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Instrument :

MSVOA\_F

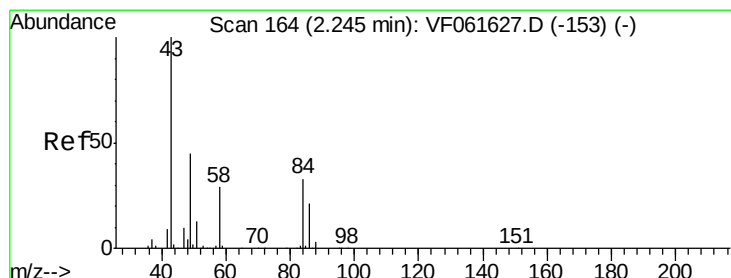
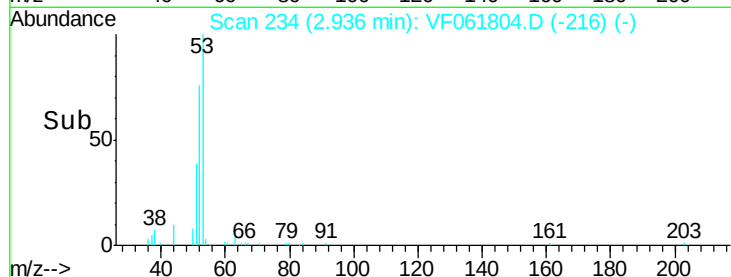
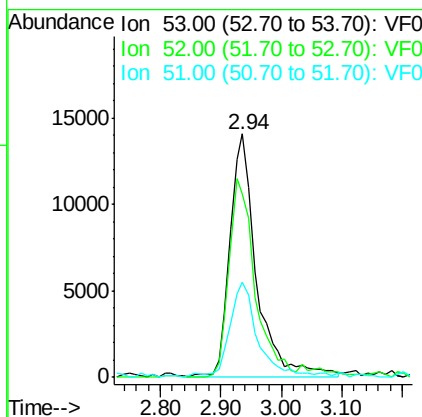
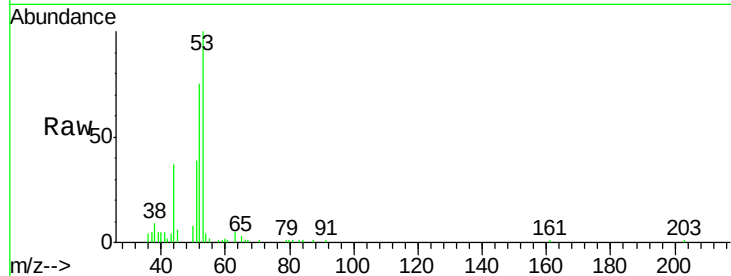
ClientSampleId :

VF0301SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 43338 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 75.2  | 64.6  | 97.0  |
| 51       | 39.1  | 29.8  | 44.8  |

Manual Integrations  
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#16

Acetone

Concen: 118.492 ug/l

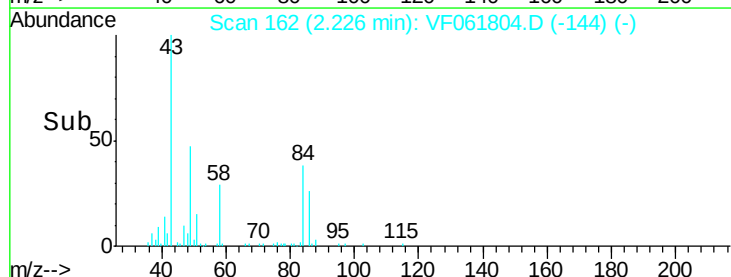
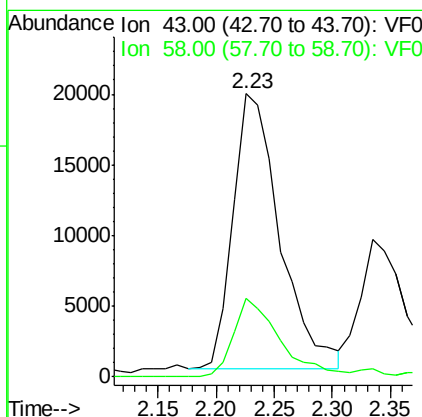
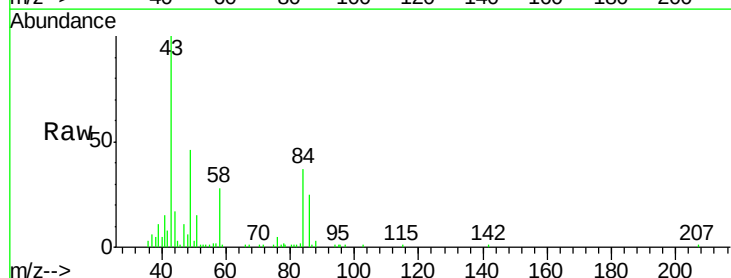
RT: 2.23 min Scan# 162

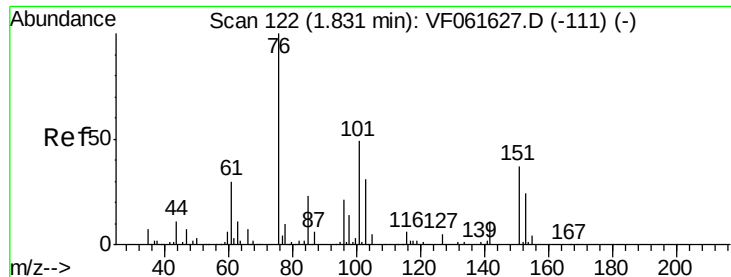
Delta R.T. -0.02 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 54364 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 27.8  | 22.9  | 34.3  |





#17

Carbon Disulfide

Concen: 22.890 ug/l m

RT: 1.82 min Scan# 121

Delta R.T. -0.01 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Tot Ion: 76 Resp: 179791

Ion Ratio Lower Upper

76 100

78 10.4 7.9 11.9

Instrument :

MSVOA\_F

ClientSampleId :

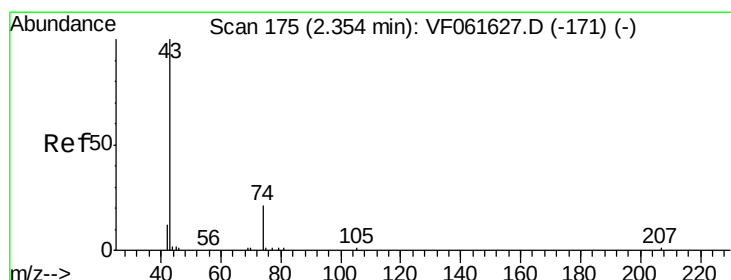
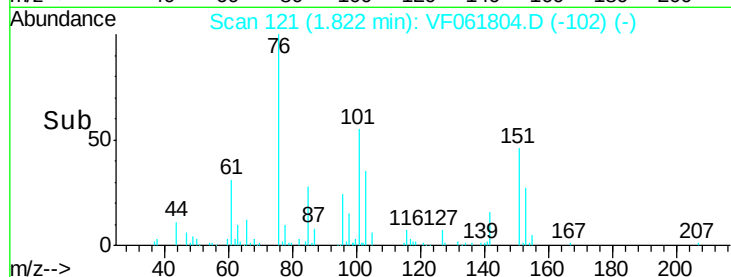
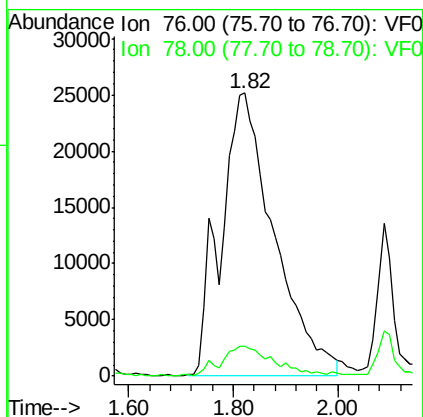
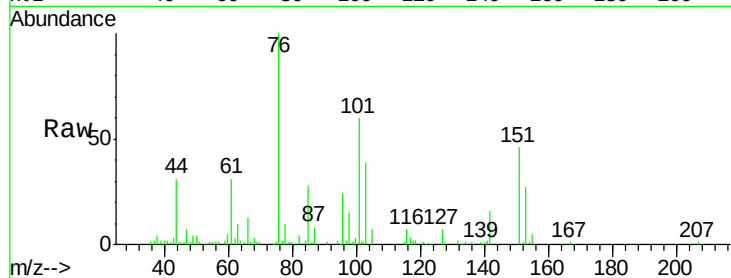
VF0301SBSD01

Manual Integrations

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#18

Methyl Acetate

Concen: 25.506 ug/l m

RT: 2.33 min Scan# 173

Delta R.T. -0.02 min

Lab File: VF061804.D

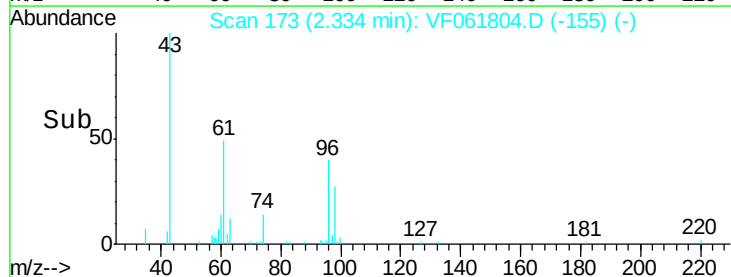
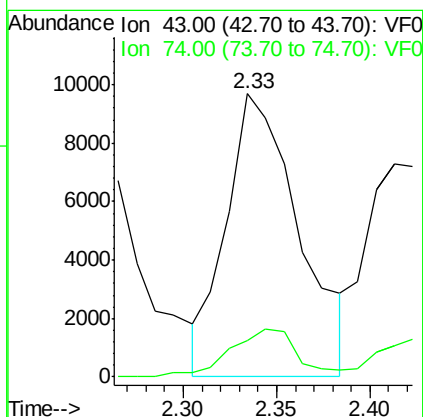
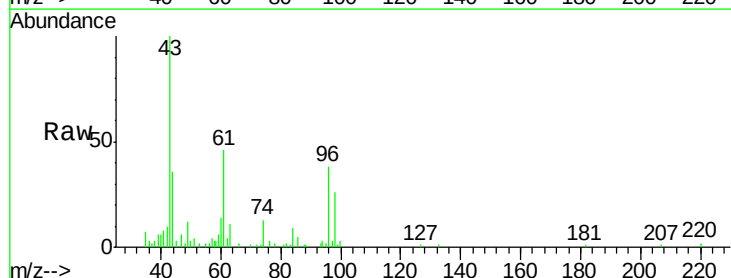
Acq: 1 Mar 2019 15:55

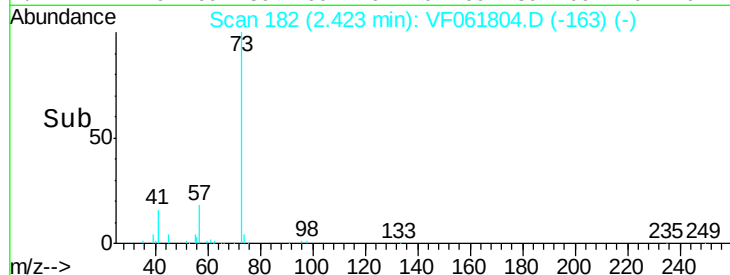
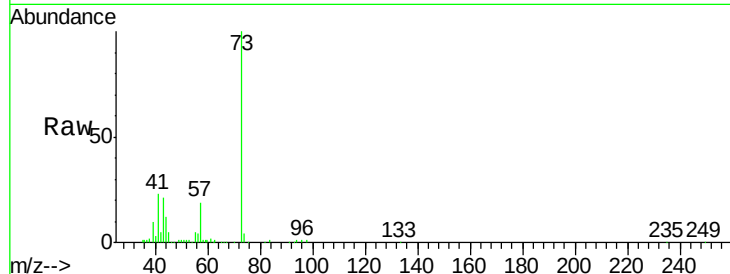
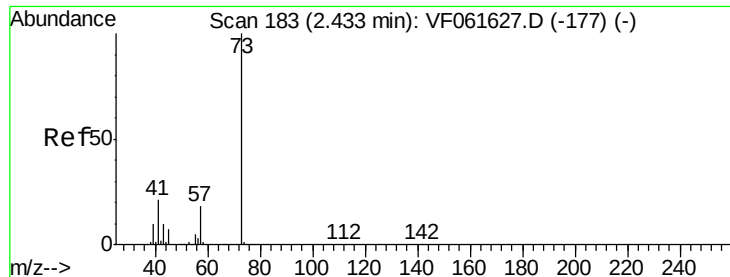
Tgt Ion: 43 Resp: 26362

Ion Ratio Lower Upper

43 100

74 13.1 14.6 21.8#





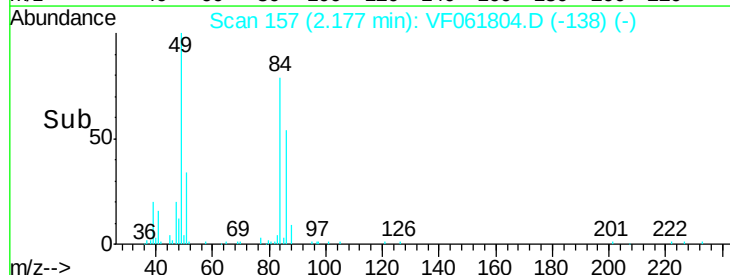
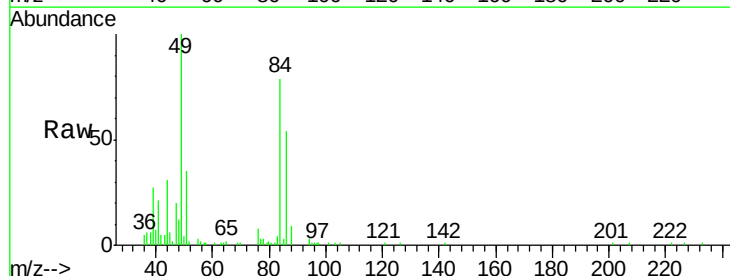
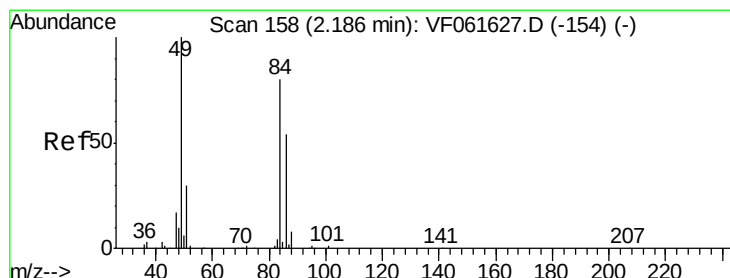
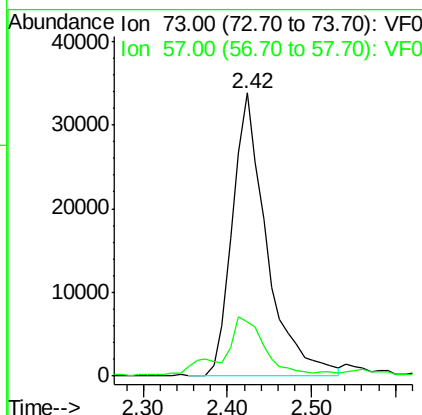
#19  
Methyl tert-butyl Ether  
Concen: 22.574 ug/l  
RT: 2.42 min Scan# 182  
Delta R.T. -0.01 min  
Lab File: VF061804.D  
Acq: 1 Mar 2019 15:55

| Tot Ion   | 73   | Resp  | 96404 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 73        | 100  |       |       |
| 57        | 19.3 | 15.8  | 23.8  |

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0301SBS01

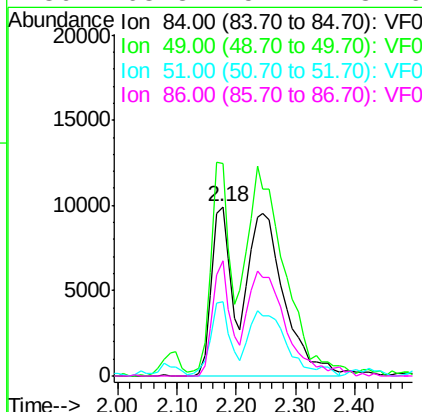
Manual Integrations  
APPROVED

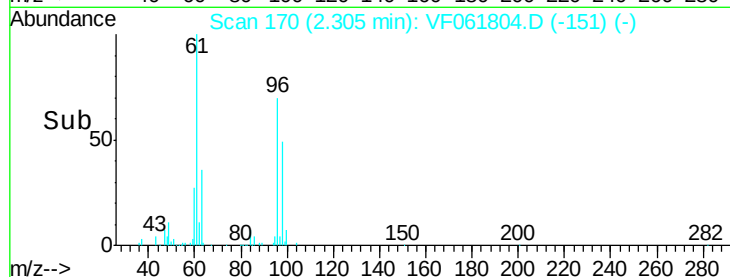
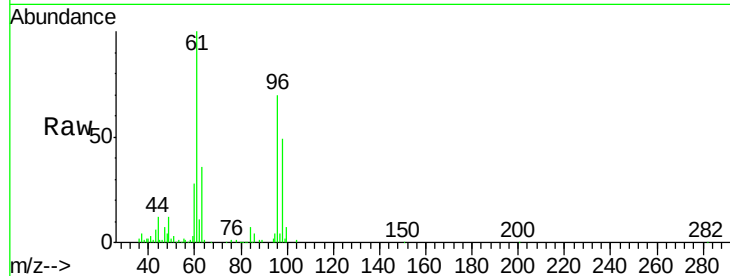
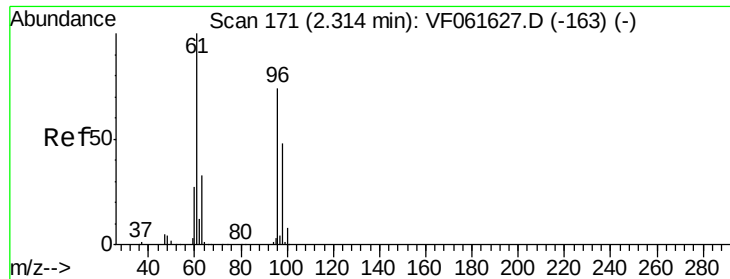
MMDadoda  
3/4/2019 4:00:54 PM



#20  
Methylene Chloride  
Concen: 24.188 ug/l m  
RT: 2.18 min Scan# 157  
Delta R.T. -0.01 min  
Lab File: VF061804.D  
Acq: 1 Mar 2019 15:55

| Tgt Ion   | 84    | Resp  | 62665 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 84        | 100   |       |       |
| 49        | 125.9 | 101.8 | 152.8 |
| 51        | 44.0  | 31.1  | 46.7  |
| 86        | 68.3  | 54.4  | 81.6  |





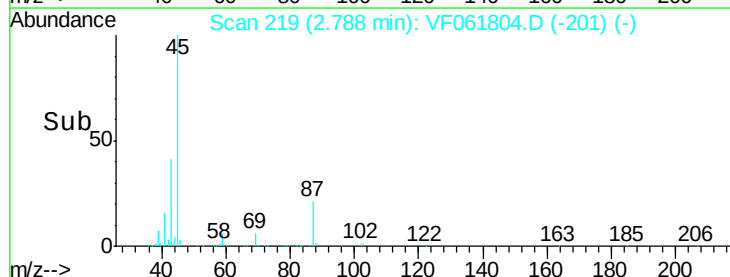
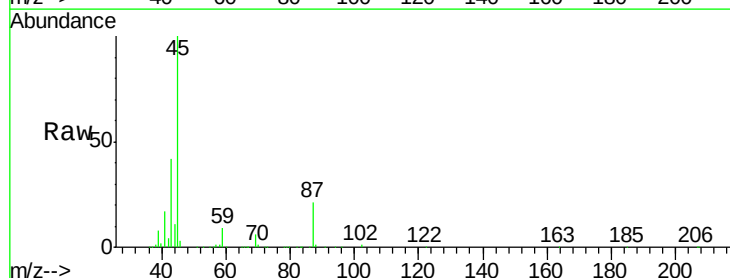
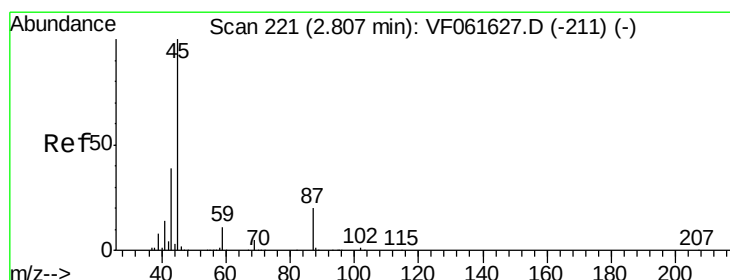
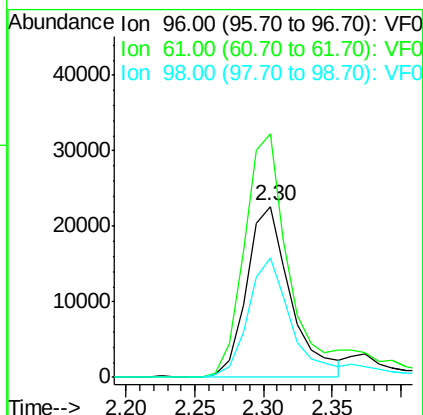
#21  
trans-1,2-Dichloroethene  
Concen: 18.645 ug/l  
RT: 2.30 min Scan# 170  
Delta R.T. -0.01 min  
Lab File: VF061804.D  
Acq: 1 Mar 2019 15:55

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 142.2 | 108.2 | 162.4 |
| 98      | 69.5  | 52.2  | 78.2  |

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0301SBS01

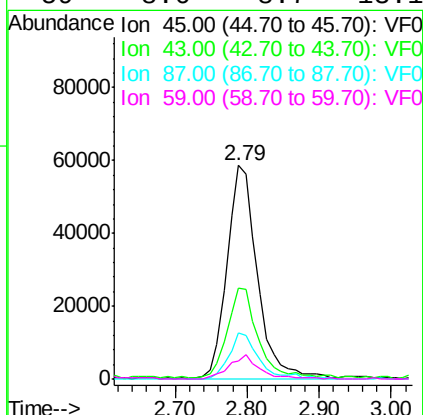
Manual Integrations  
APPROVED

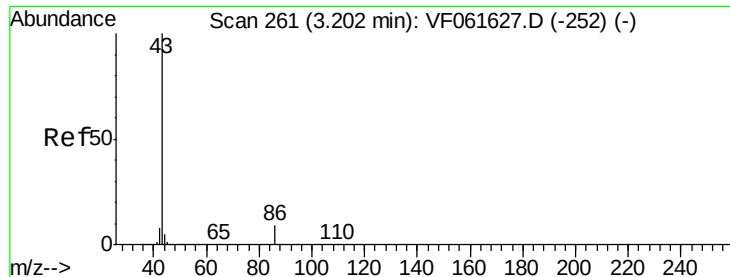
MMDadoda  
3/4/2019 4:00:54 PM



#22  
Diisopropyl ether  
Concen: 23.251 ug/l  
RT: 2.79 min Scan# 219  
Delta R.T. -0.02 min  
Lab File: VF061804.D  
Acq: 1 Mar 2019 15:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 42.3  | 31.4  | 47.2  |
| 87      | 21.3  | 16.3  | 24.5  |
| 59      | 8.6   | 8.7   | 13.1# |





#23

Vinyl Acetate

Concen: 106.979 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.03 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Instrument :

MSVOA\_F

ClientSampleId :

VF0301SBSD01

Tot Ion: 43 Resp: 384588

Ion Ratio Lower Upper

43 100

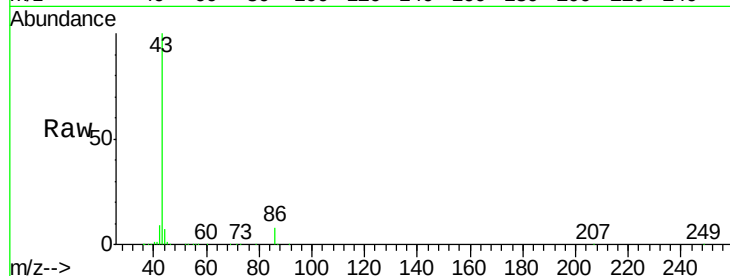
86 8.0 7.5 11.3

Manual Integrations

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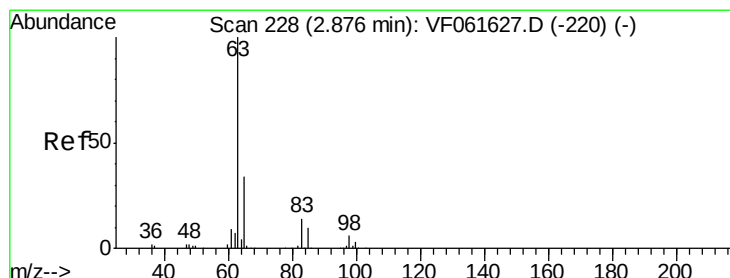
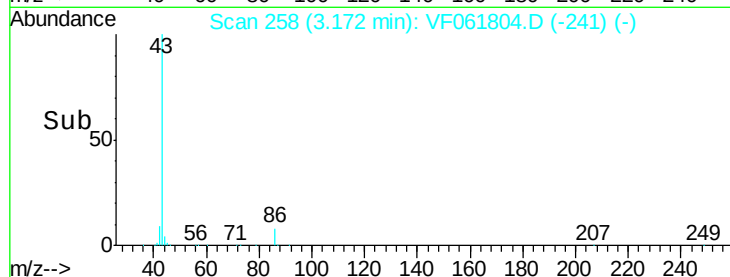
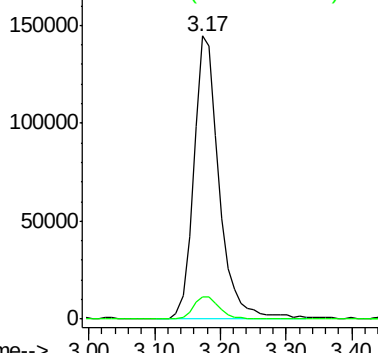
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 23.197 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.02 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

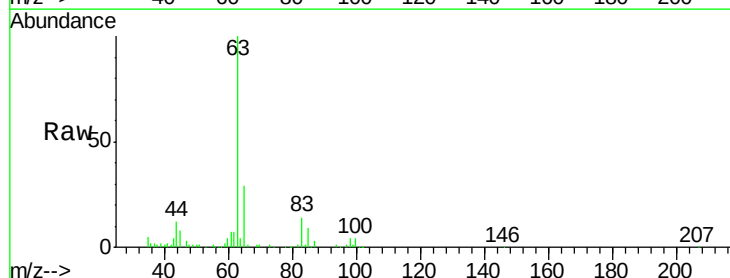
Tgt Ion: 63 Resp: 103322

Ion Ratio Lower Upper

63 100

98 4.4 2.8 8.3

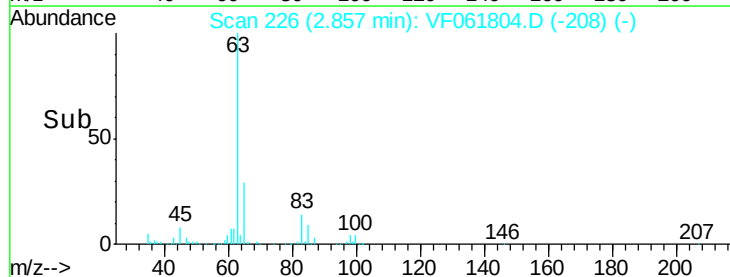
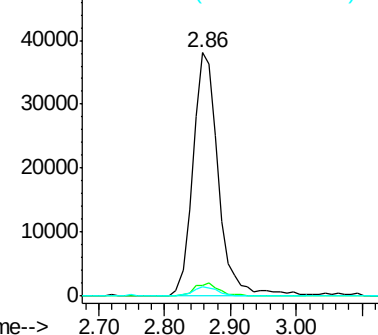
100 3.7 1.8 5.4



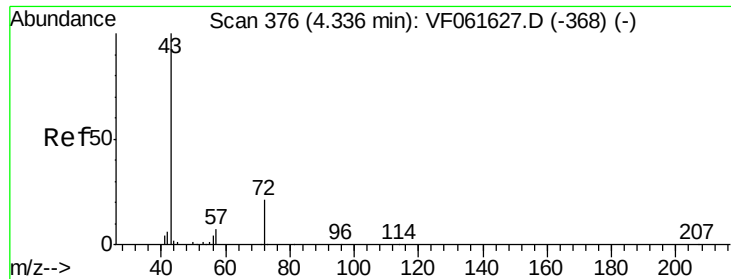
Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0







#25

2-Butanone

Concen: 106.250 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.01 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Tot Ion: 43 Resp: 106480

Ion Ratio Lower Upper

43 100

72 18.5 17.1 25.7

Instrument :

MSVOA\_F

ClientSampleId :

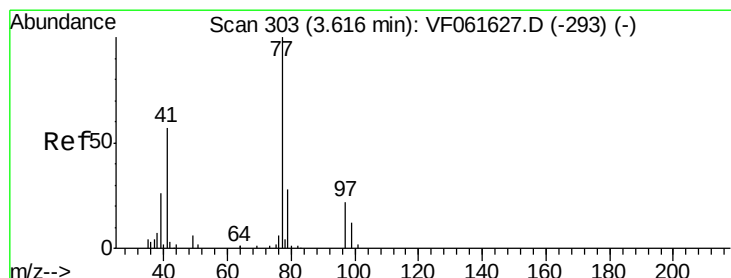
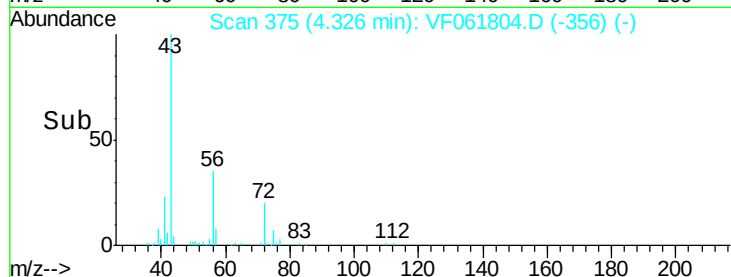
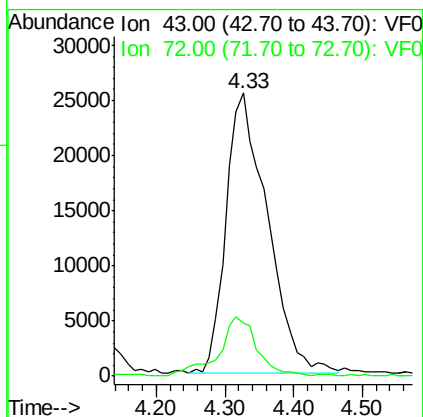
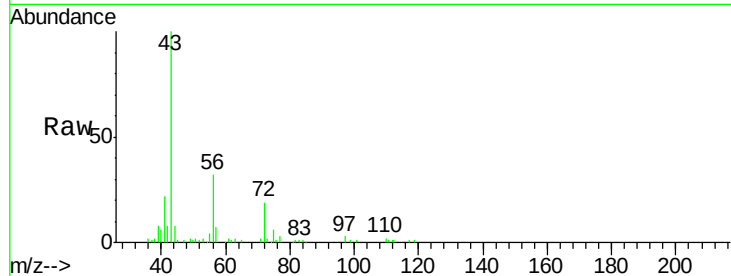
VF0301SBSD01

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 24.004 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.04 min

Lab File: VF061804.D

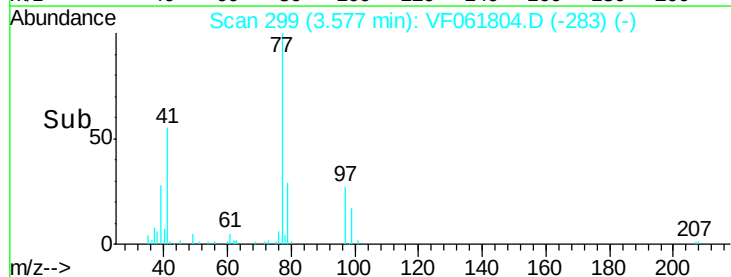
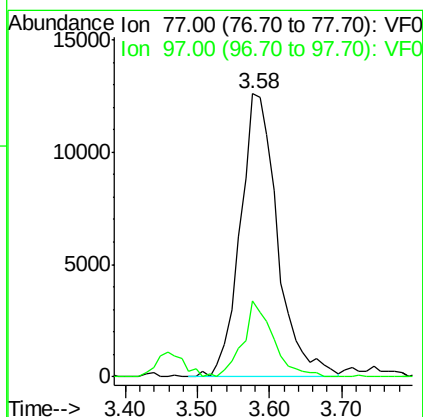
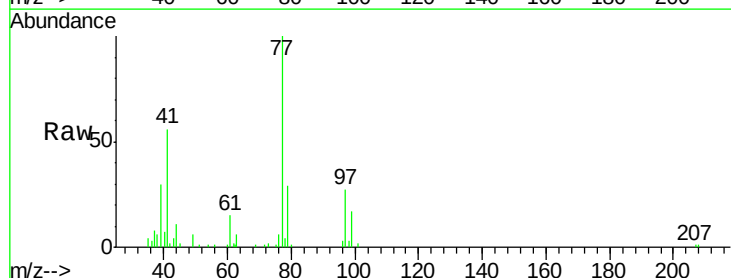
Acq: 1 Mar 2019 15:55

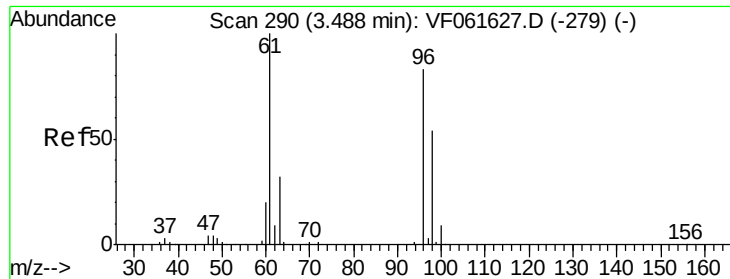
Tgt Ion: 77 Resp: 45289

Ion Ratio Lower Upper

77 100

97 26.8 11.7 35.0





#27

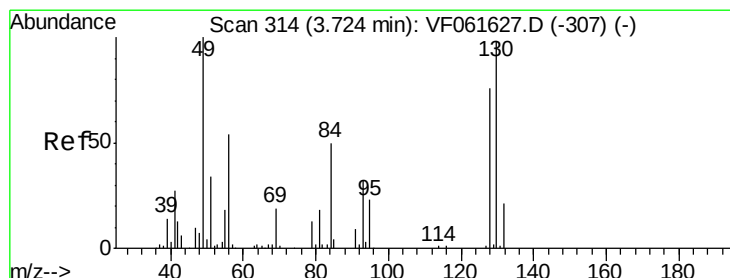
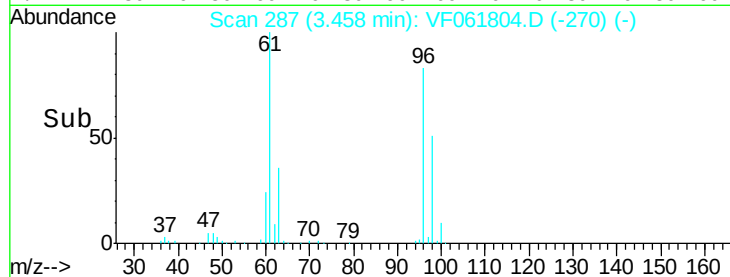
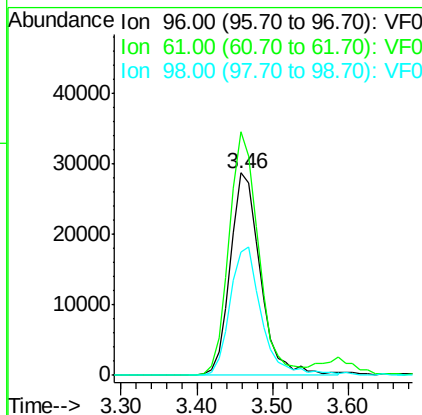
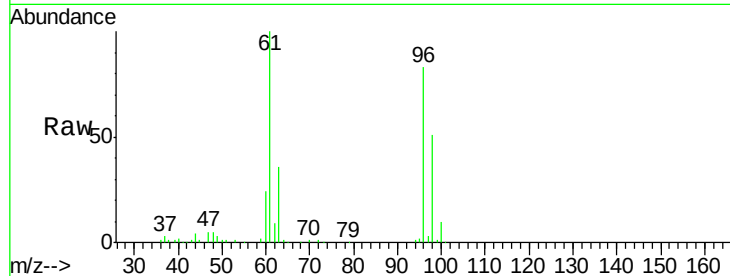
cis-1,2-Dichloroethene  
Concen: 22.115 ug/l  
RT: 3.46 min Scan# 287  
Delta R.T. -0.03 min  
Lab File: VF061804.D  
Acq: 1 Mar 2019 15:55

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0301SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 120.4 | 0.0   | 241.6 |
| 98      | 61.1  | 0.0   | 130.2 |

Manual Integrations  
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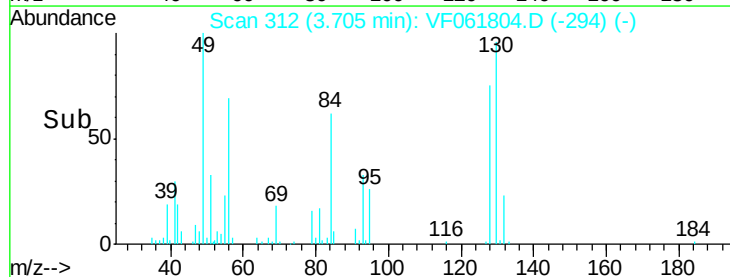
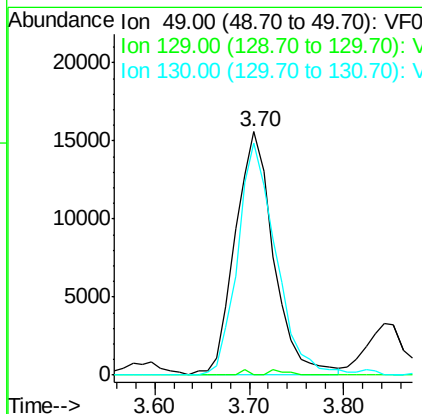
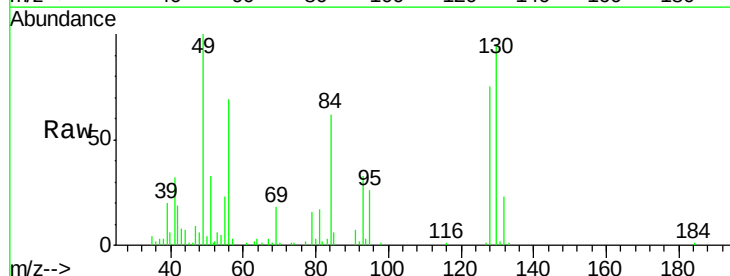
MMDadoda  
3/4/2019 4:00:54 PM

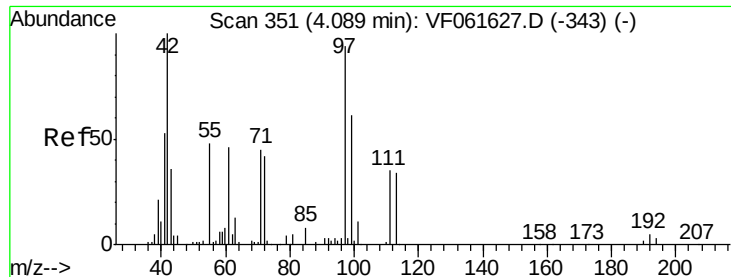


#28

Bromochloromethane  
Concen: 20.660 ug/l  
RT: 3.70 min Scan# 312  
Delta R.T. -0.02 min  
Lab File: VF061804.D  
Acq: 1 Mar 2019 15:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 0.0   | 0.0   | 3.4   |
| 130     | 95.1  | 77.7  | 116.5 |





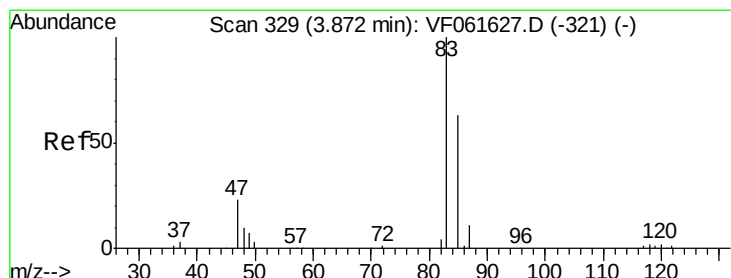
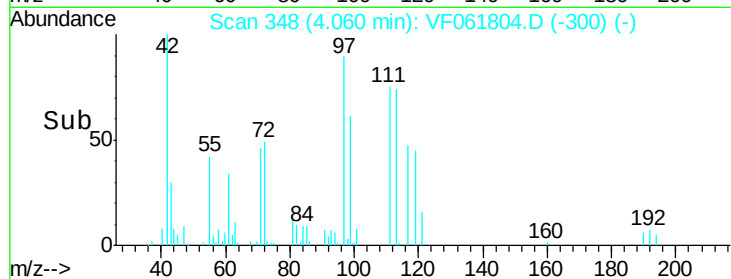
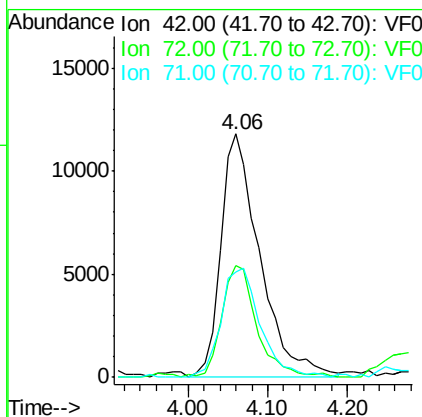
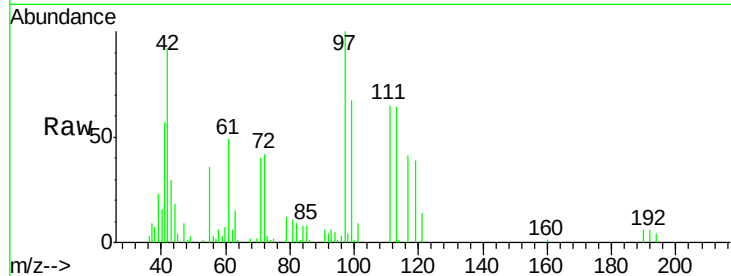
#29  
Tetrahydrofuran  
Concen: 88.722 ug/l  
RT: 4.06 min Scan# 348  
Delta R.T. -0.03 min  
Lab File: VF061804.D  
Acq: 1 Mar 2019 15:55

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0301SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 42.0  | 35.2  | 52.8  |
| 71      | 45.0  | 32.9  | 49.3  |

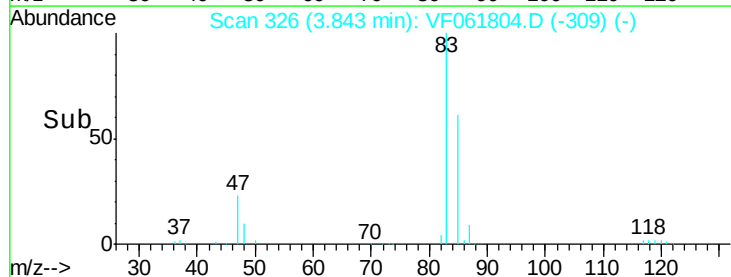
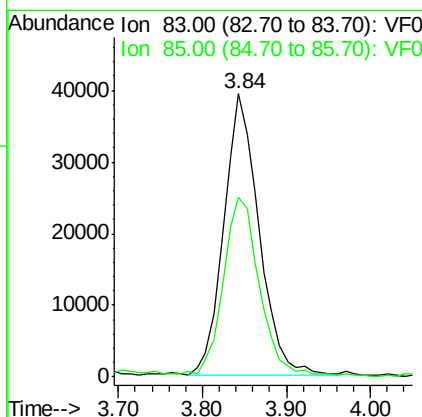
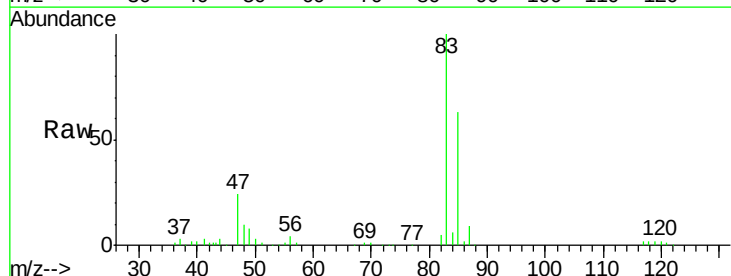
Manual Integrations  
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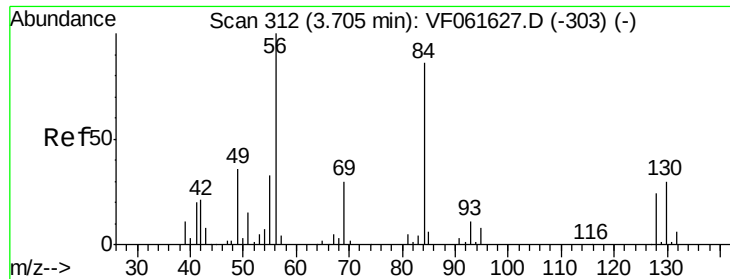
MMDadoda  
3/4/2019 4:00:54 PM



#30  
Chloroform  
Concen: 22.325 ug/l  
RT: 3.84 min Scan# 326  
Delta R.T. -0.03 min  
Lab File: VF061804.D  
Acq: 1 Mar 2019 15:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 63.3  | 51.1  | 76.7  |





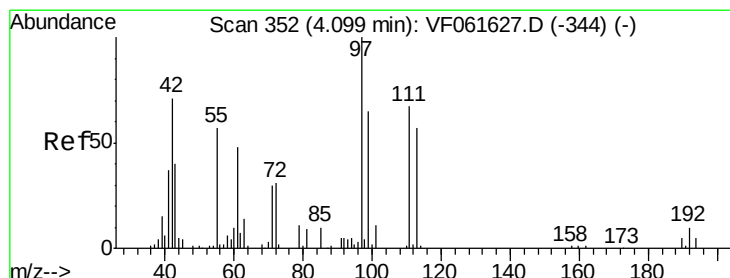
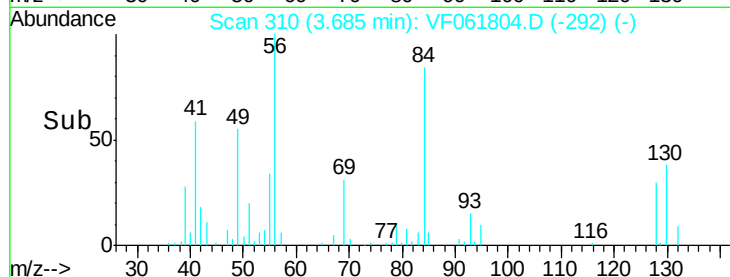
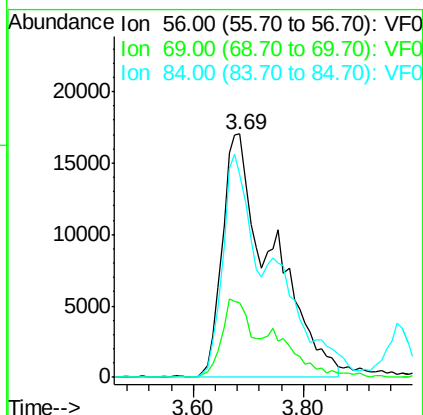
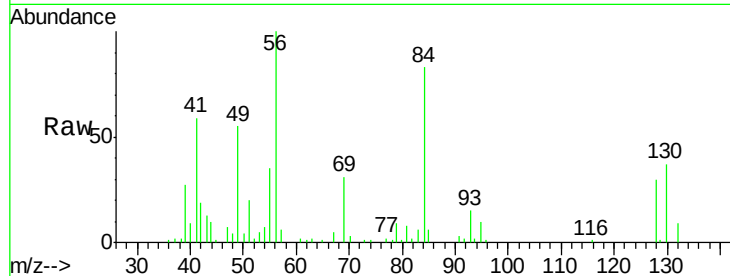
#31  
Cyclohexane  
Concen: 22.021 ug/l m  
RT: 3.69 min Scan# 310  
Delta R.T. -0.02 min  
Lab File: VF061804.D  
Acq: 1 Mar 2019 15:55

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0301SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 30.8  | 23.8  | 35.8  |
| 84      | 83.3  | 68.6  | 103.0 |

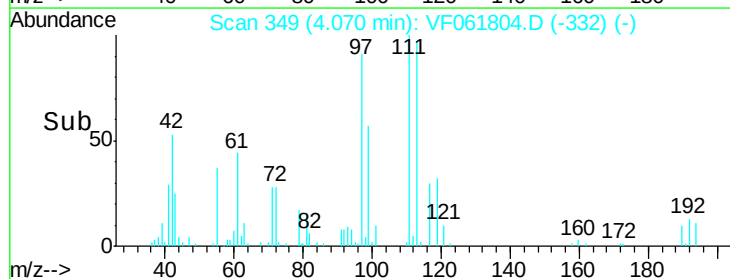
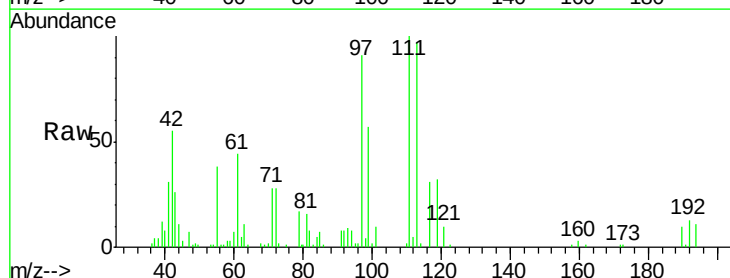
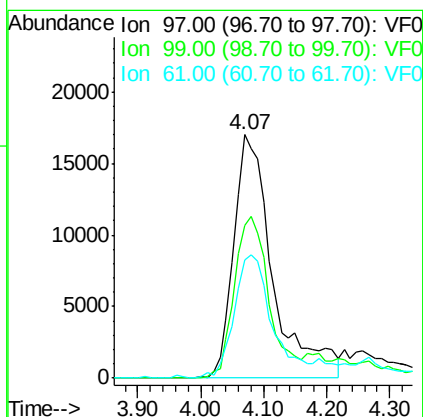
Manual Integrations  
APPROVED

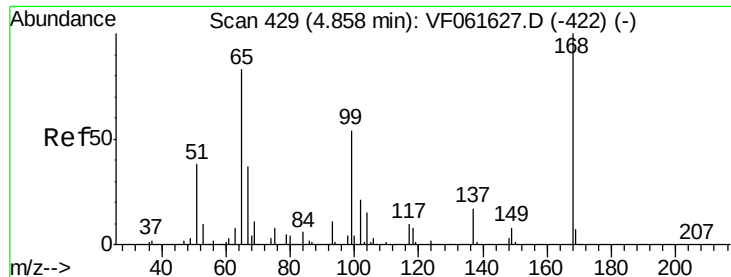
MMDadoda  
3/4/2019 4:00:54 PM



#32  
1,1,1-Trichloroethane  
Concen: 22.178 ug/l  
RT: 4.07 min Scan# 349  
Delta R.T. -0.03 min  
Lab File: VF061804.D  
Acq: 1 Mar 2019 15:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 62.8  | 52.2  | 78.2  |
| 61      | 48.4  | 39.2  | 58.8  |





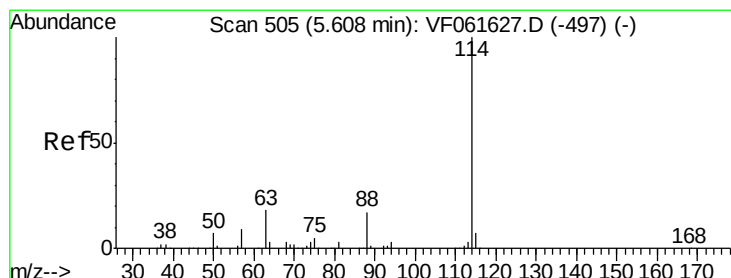
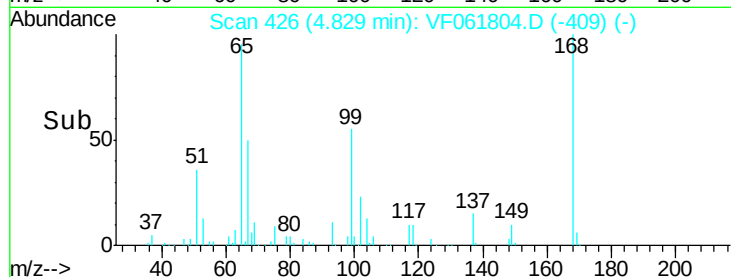
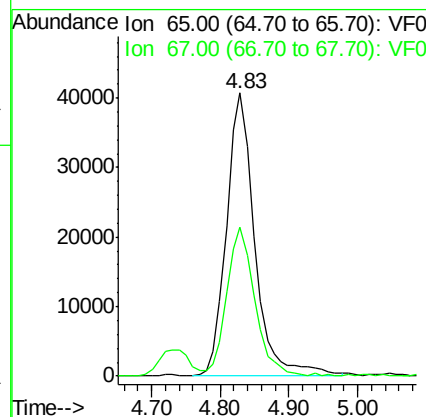
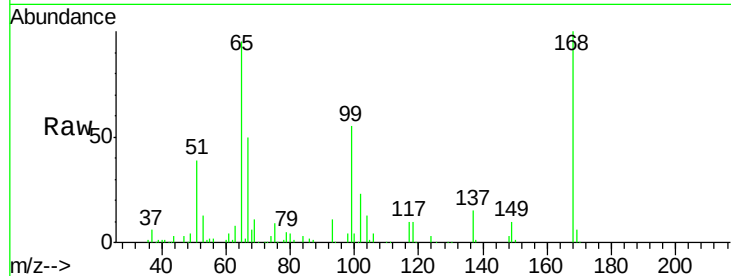
#33  
 1,2-Dichloroethane-d4  
 Concen: 54.585 ug/l  
 RT: 4.83 min Scan# 426  
 Delta R.T. -0.03 min  
 Lab File: VF061804.D  
 Acq: 1 Mar 2019 15:55

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0301SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 116723 |       |       |
| 67      | 52.5  | 0.0    | 104.0 |       |

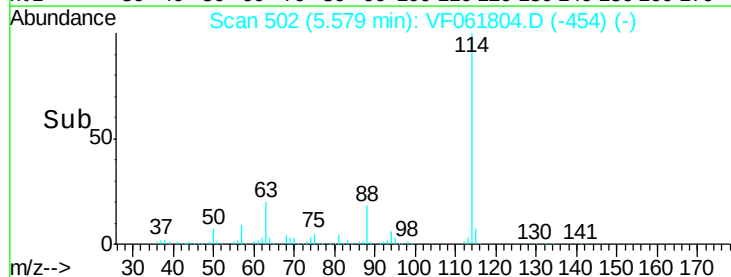
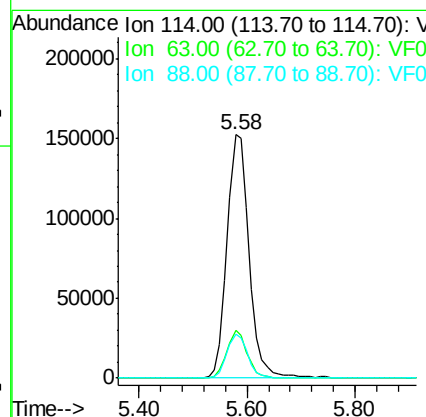
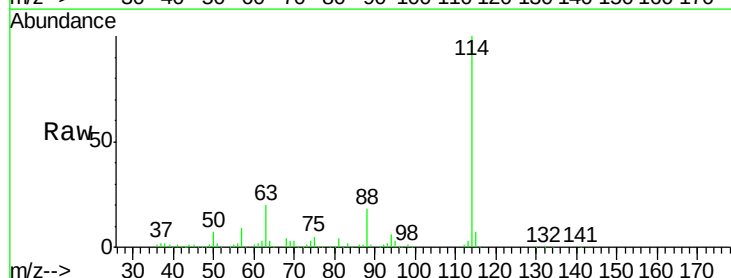
Manual Integrations  
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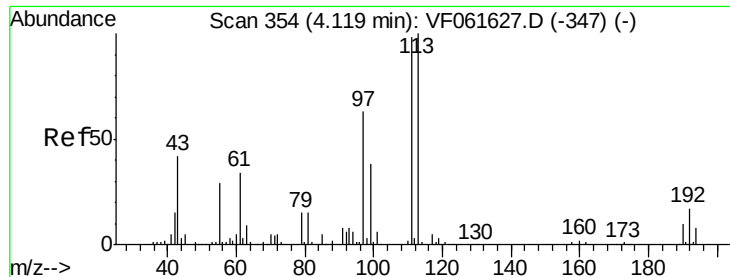
MMDadoda  
 3/4/2019 4:00:54 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.58 min Scan# 502  
 Delta R.T. -0.03 min  
 Lab File: VF061804.D  
 Acq: 1 Mar 2019 15:55

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 431485 |       |       |
| 63      | 19.6  | 0.0    | 36.6  |       |
| 88      | 17.8  | 0.0    | 34.4  |       |





#35

Dibromofluoromethane

Concen: 50.536 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.02 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Instrument :

MSVOA\_F

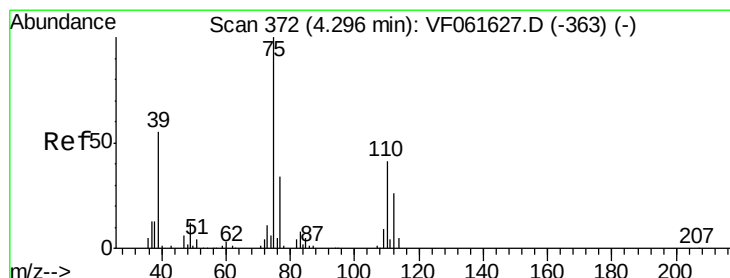
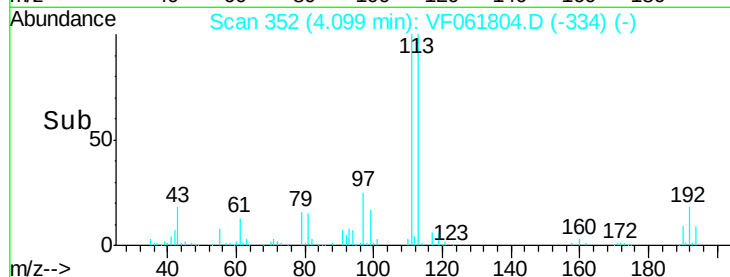
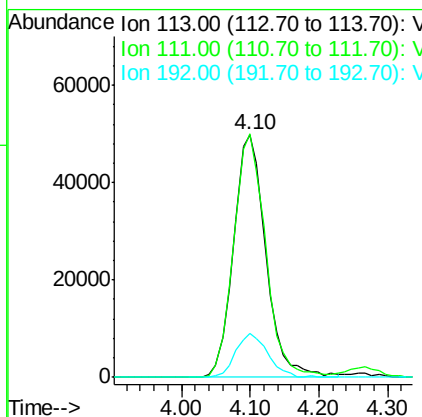
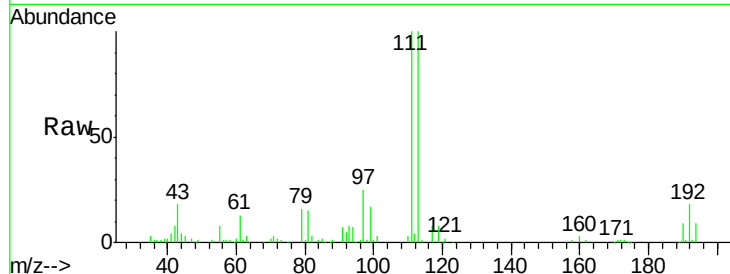
ClientSampleId :

VF0301SBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 161929 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 100.4 | 78.8  | 118.2  |
| 192       | 19.2  | 13.4  | 20.0   |

Manual Integrations  
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3/4/2019 4:00:54 PM



#36

1,1-Dichloropropene

Concen: 21.784 ug/l

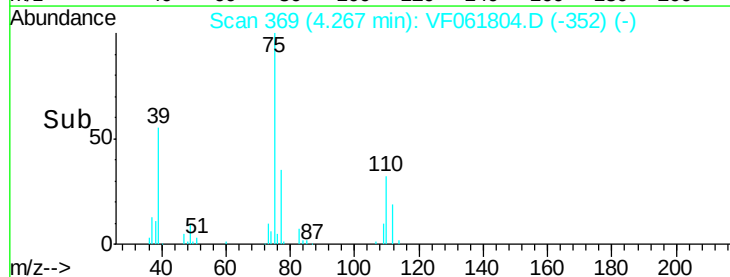
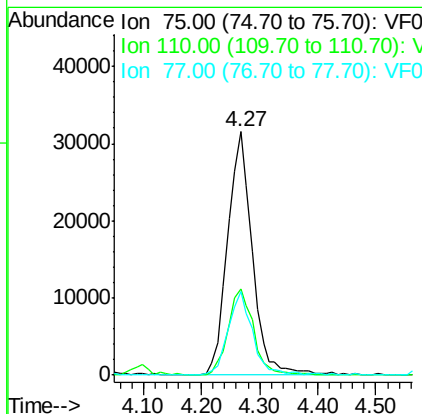
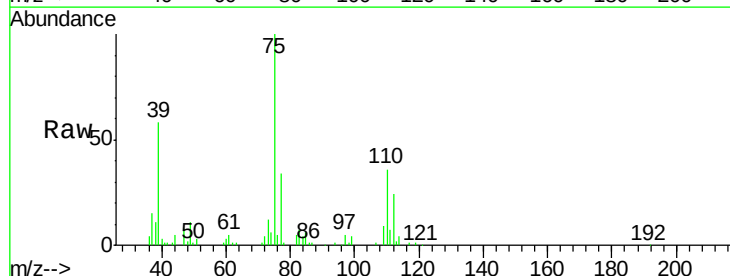
RT: 4.27 min Scan# 369

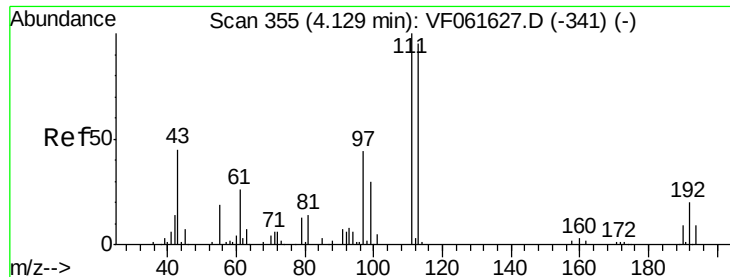
Delta R.T. -0.03 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 93115 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 35.6  | 20.5  | 61.6  |
| 77        | 34.5  | 27.0  | 40.4  |





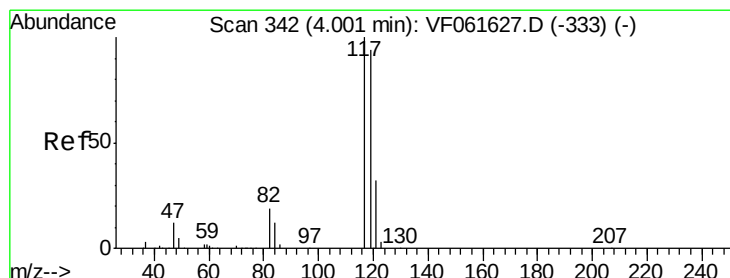
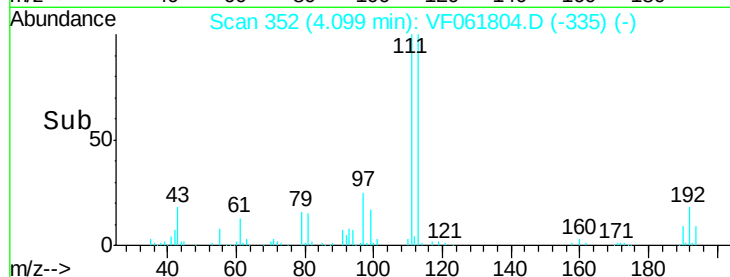
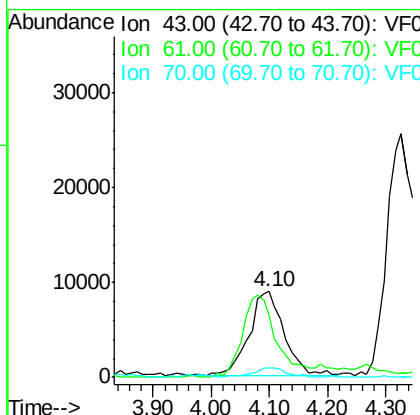
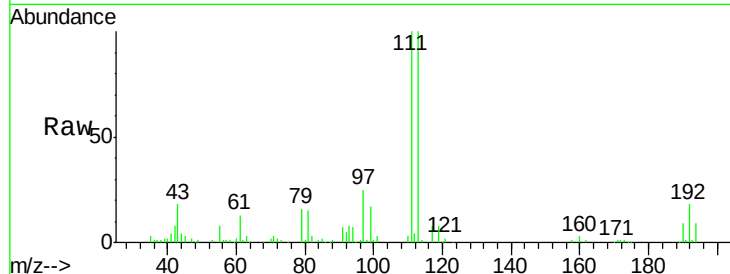
#37  
Ethyl Acetate  
Concen: 18.753 ug/l  
RT: 4.10 min Scan# 352  
Delta R.T. -0.03 min  
Lab File: VF061804.D  
Acq: 1 Mar 2019 15:55

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0301SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 71.8  | 45.7  | 68.5# |
| 70      | 11.5  | 8.5   | 12.7  |

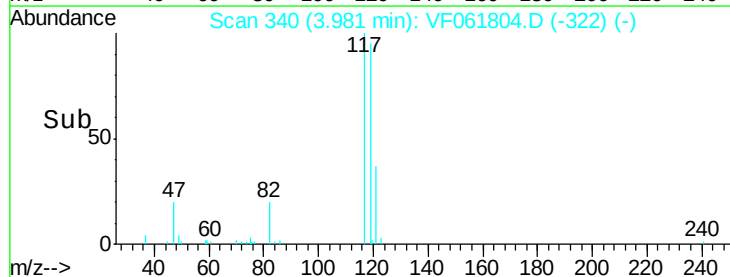
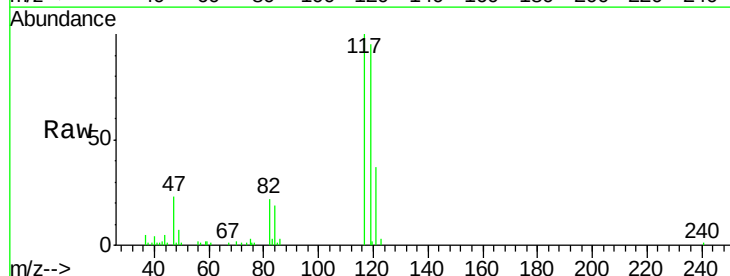
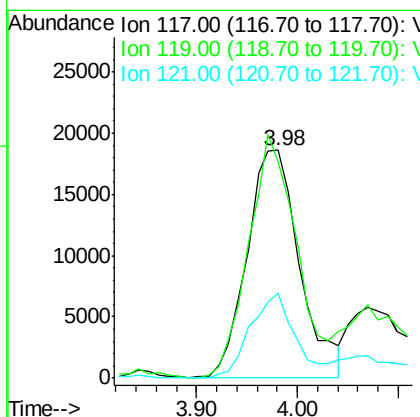
Manual Integrations  
APPROVED

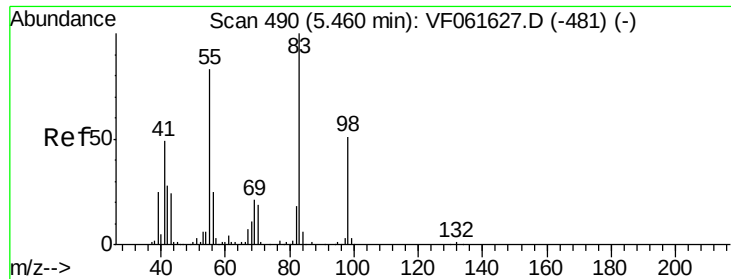
MMDadoda  
3/4/2019 4:00:54 PM



#38  
Carbon Tetrachloride  
Concen: 22.890 ug/l  
RT: 3.98 min Scan# 340  
Delta R.T. -0.02 min  
Lab File: VF061804.D  
Acq: 1 Mar 2019 15:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 95.4  | 75.6  | 113.4 |
| 121     | 37.0  | 25.2  | 37.8  |





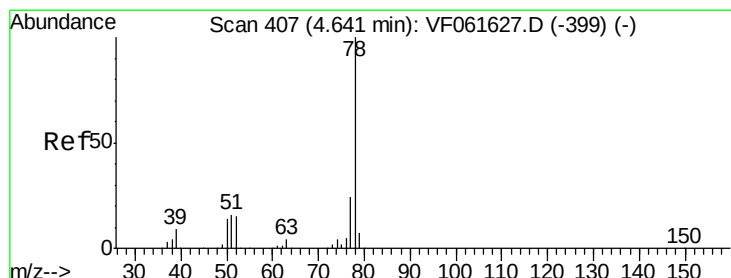
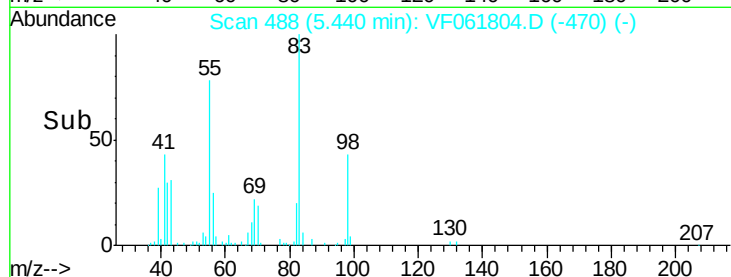
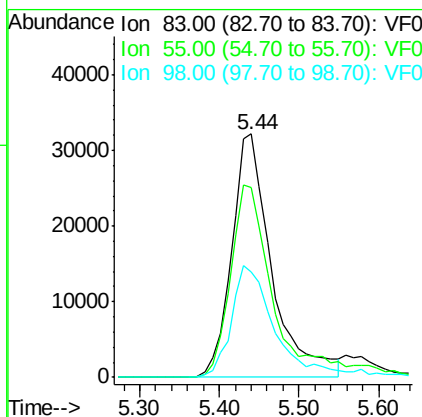
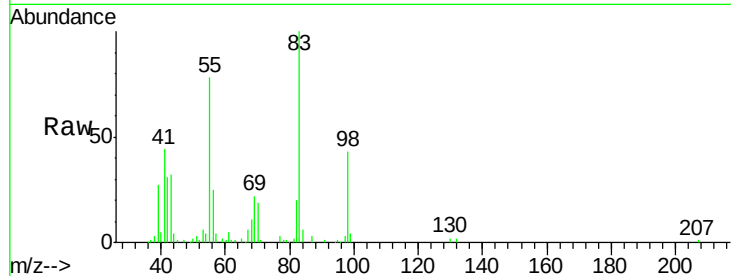
#39  
Methylvlcyclohexane  
Concen: 22.208 ug/l  
RT: 5.44 min Scan# 488  
Delta R.T. -0.02 min  
Lab File: VF061804.D  
Acq: 1 Mar 2019 15:55

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0301SBS01

| Tot Ion   | 83    | Resp  | 112267 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 55        | 78.0  | 66.6  | 99.8   |
| 98        | 43.2  | 40.4  | 60.6   |

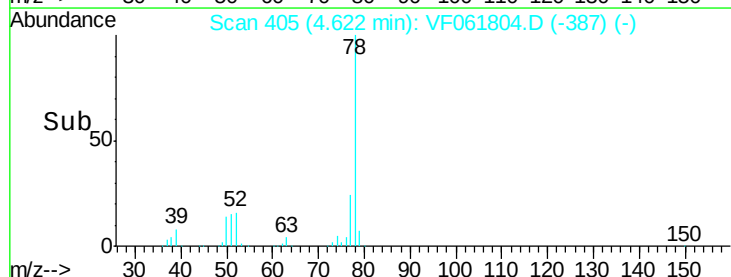
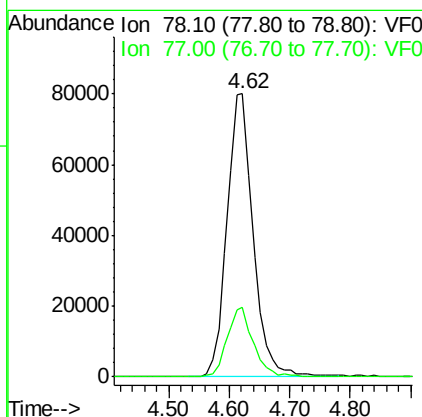
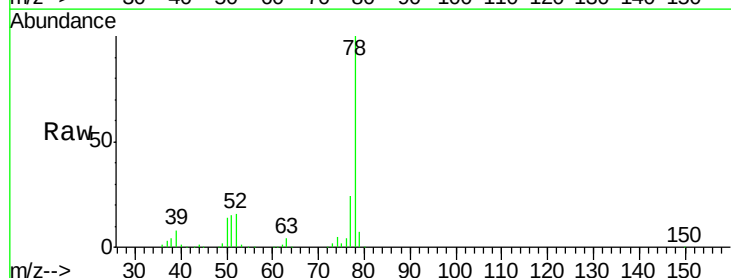
Manual Integrations  
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3/4/2019 4:00:54 PM

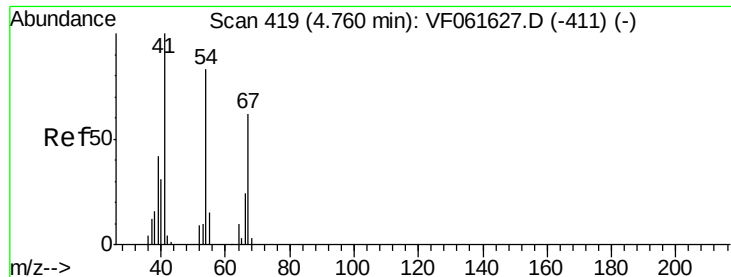


#40  
Benzene  
Concen: 21.544 ug/l  
RT: 4.62 min Scan# 405  
Delta R.T. -0.02 min  
Lab File: VF061804.D  
Acq: 1 Mar 2019 15:55

| Tgt Ion   | 78    | Resp  | 240865 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 78        | 100   |       |        |
| 77        | 24.4  | 19.0  | 28.6   |







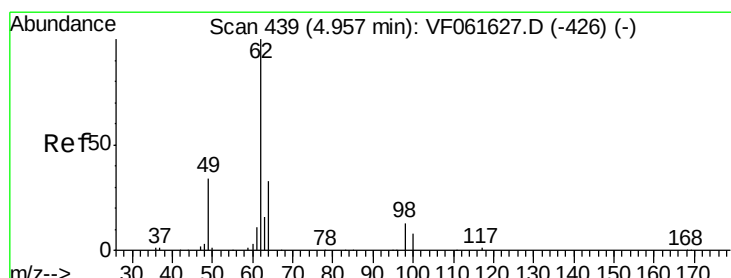
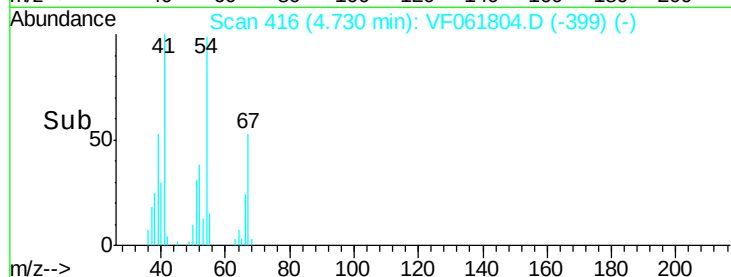
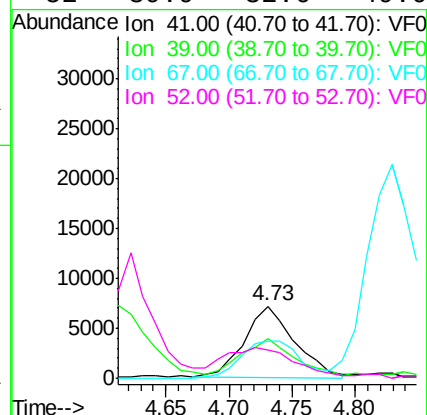
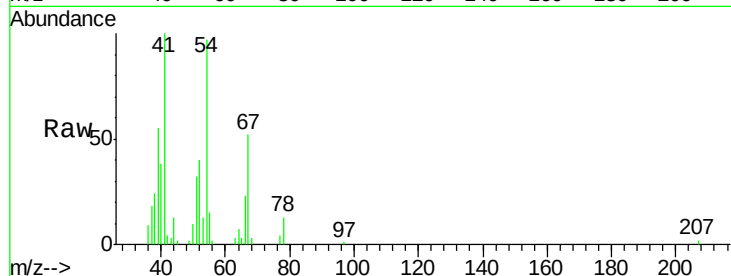
#41  
Methacrylonitrile  
Concen: 19.402 ug/l  
RT: 4.73 min Scan# 416  
Delta R.T. -0.03 min  
Lab File: VF061804.D  
Acq: 1 Mar 2019 15:55

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0301SBSD01

| Tot Ion | 41    | Resp  | 19699 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 41      | 100   |       |       |
| 39      | 54.9  | 45.3  | 67.9  |
| 67      | 52.5  | 49.3  | 73.9  |
| 52      | 39.9  | 32.6  | 49.0  |

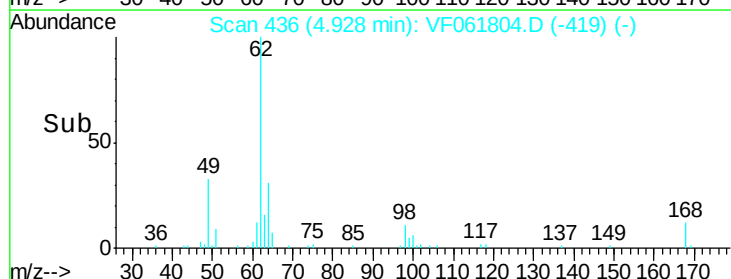
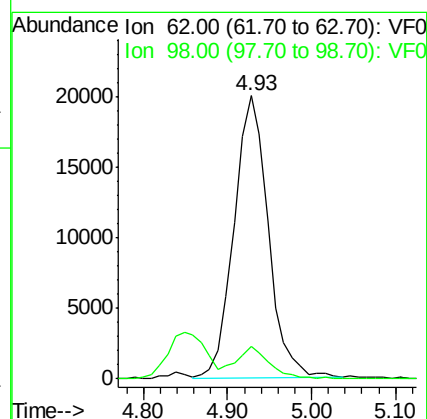
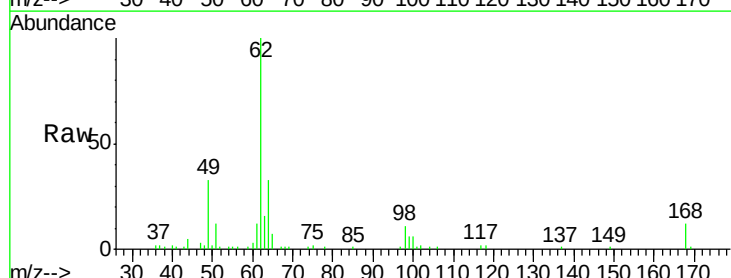
Manual Integrations  
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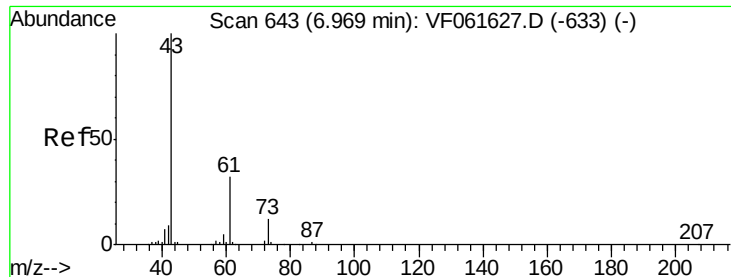
MMDadoda  
3/4/2019 4:00:54 PM



#42  
1,2-Dichloroethane  
Concen: 21.145 ug/l  
RT: 4.93 min Scan# 436  
Delta R.T. -0.03 min  
Lab File: VF061804.D  
Acq: 1 Mar 2019 15:55

| Tgt Ion | 62    | Resp  | 56550 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 62      | 100   |       |       |
| 98      | 11.5  | 0.0   | 26.0  |





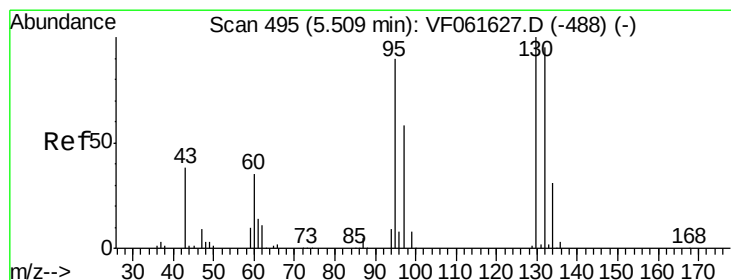
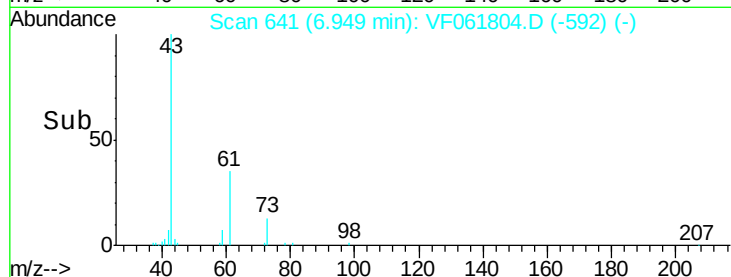
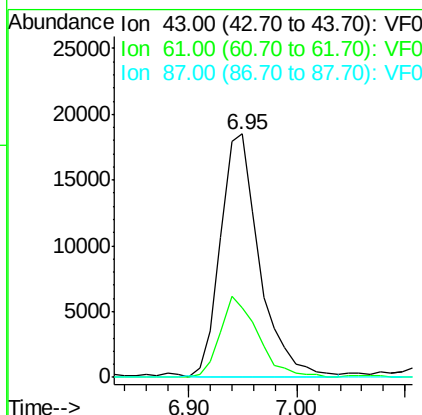
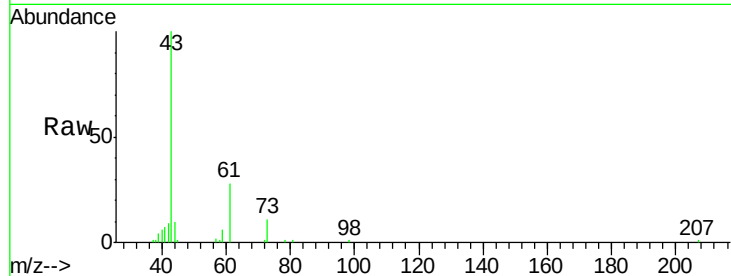
#43  
Isopropyl Acetate  
Concen: 19.881 ug/l  
RT: 6.95 min Scan# 641  
Delta R.T. -0.02 min  
Lab File: VF061804.D  
Acq: 1 Mar 2019 15:55

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0301SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 28.4  | 25.8  | 38.6  |
| 87      | 0.0   | 0.4   | 0.6   |

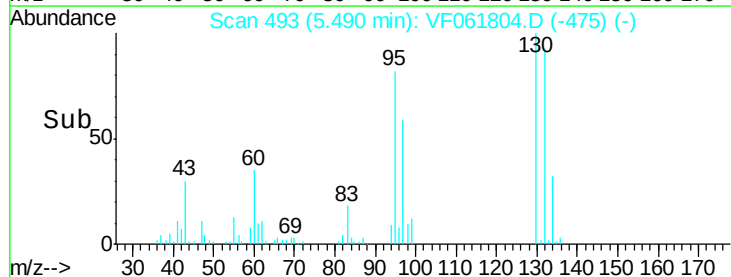
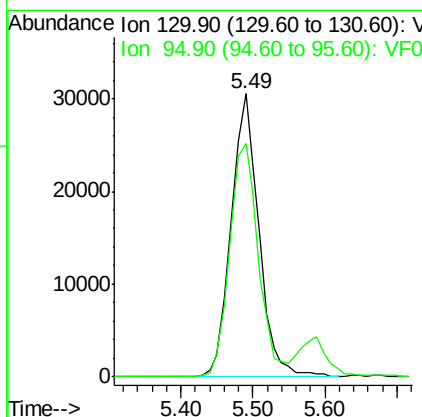
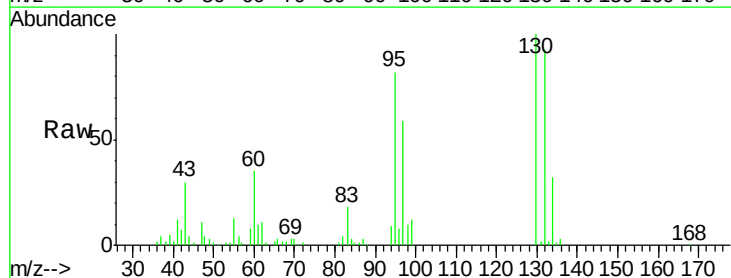
Manual Integrations  
APPROVED

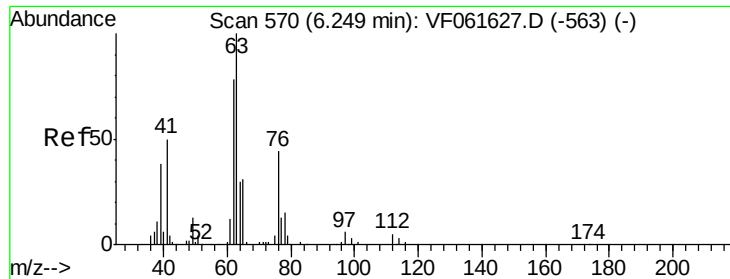
MMDadoda  
3/4/2019 4:00:54 PM



#44  
Trichloroethene  
Concen: 22.624 ug/l  
RT: 5.49 min Scan# 493  
Delta R.T. -0.02 min  
Lab File: VF061804.D  
Acq: 1 Mar 2019 15:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 82.3  | 0.0   | 179.4 |





#45

1,2-Dichloropropane

Concen: 21.860 ug/l

RT: 6.22 min Scan# 567

Delta R.T. -0.03 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Instrument :

MSVOA\_F

ClientSampleId :

VF0301SBSD01

Tot Ion: 63 Resp: 59077

Ion Ratio Lower Upper

63 100

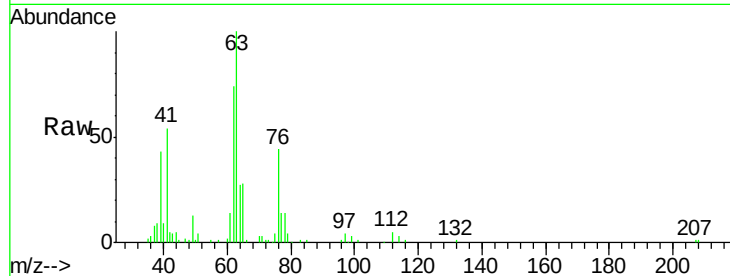
65 28.4 24.9 37.3

Manual Integrations

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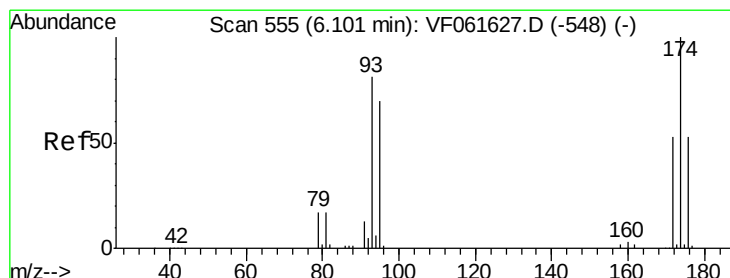
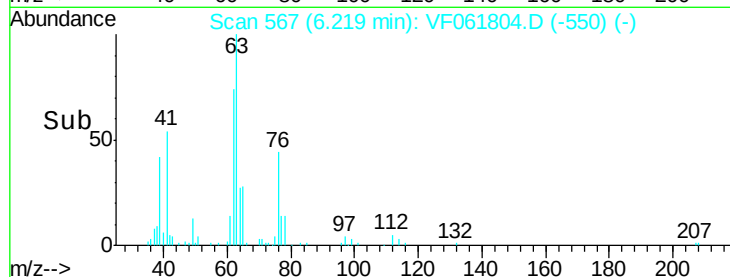
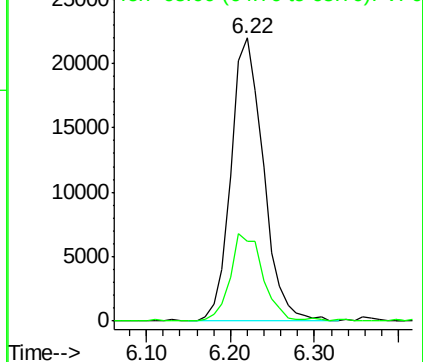
MMDadoda

3/4/2019 4:00:54 PM



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 21.255 ug/l

RT: 6.07 min Scan# 552

Delta R.T. -0.03 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

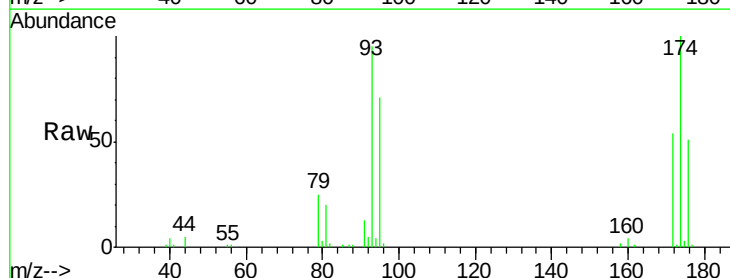
Tgt Ion: 93 Resp: 35367

Ion Ratio Lower Upper

93 100

95 74.8 69.0 103.6

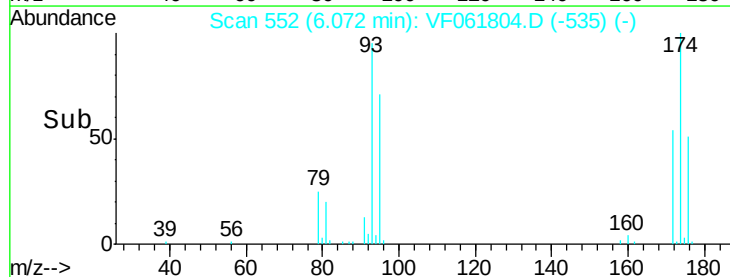
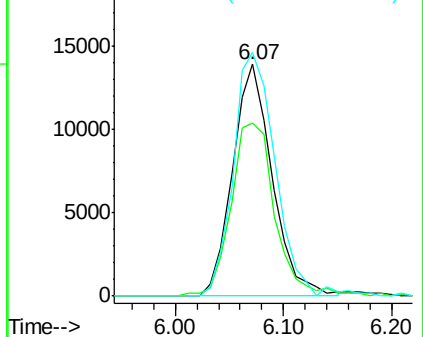
174 105.1 99.3 148.9

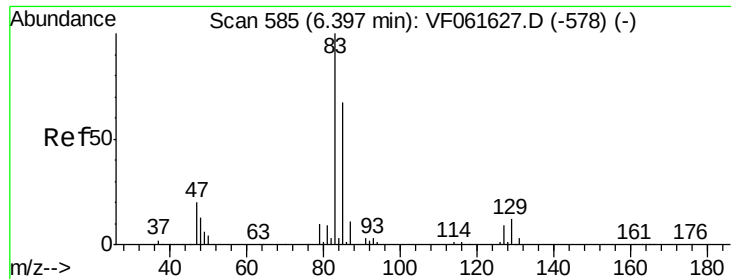


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 22.329 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.03 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Instrument :

MSVOA\_F

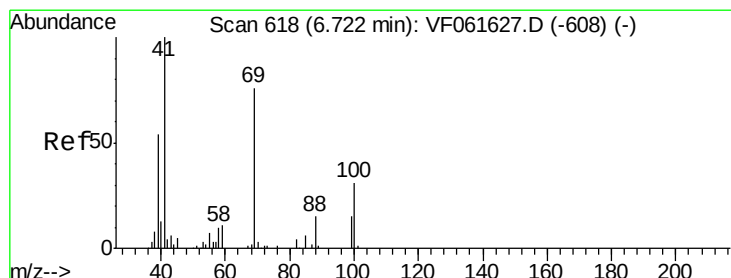
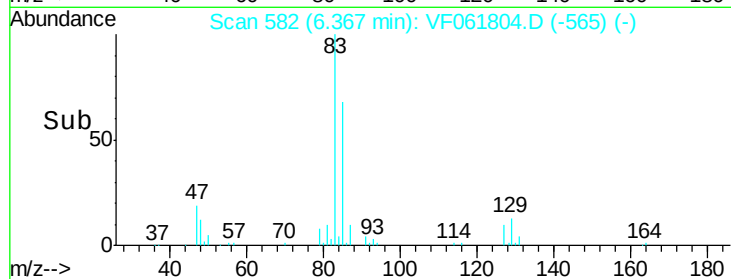
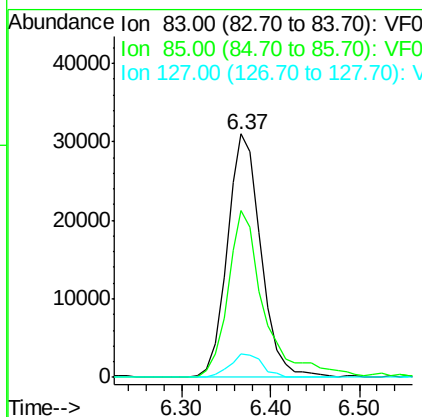
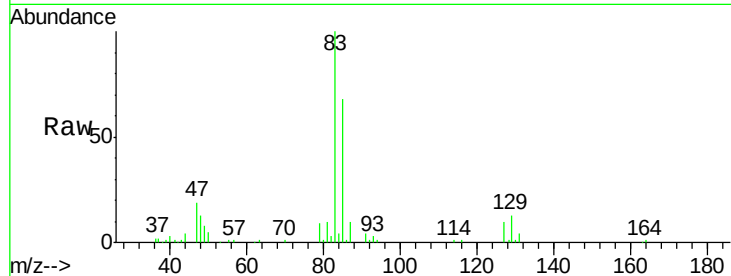
ClientSampleId :

VF0301SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 81364 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 68.3  | 53.4  | 80.2  |
| 127      | 9.7   | 7.5   | 11.3  |

Manual Integrations  
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3/4/2019 4:00:54 PM



#48

Methyl methacrylate

Concen: 18.063 ug/l

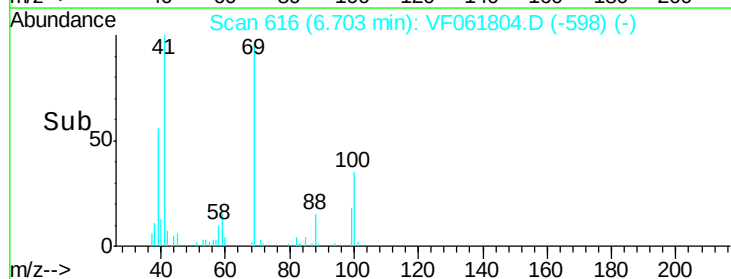
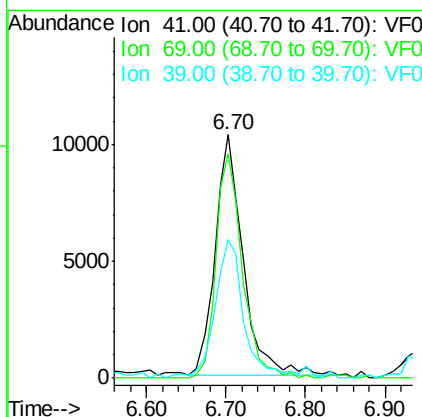
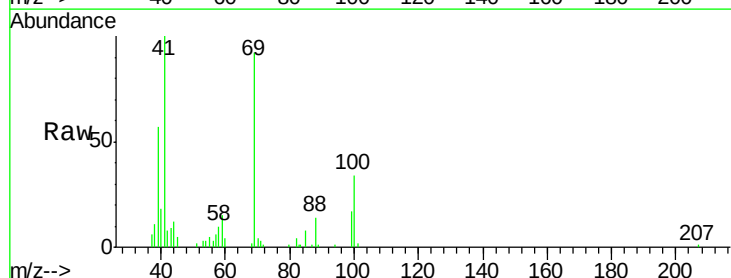
RT: 6.70 min Scan# 616

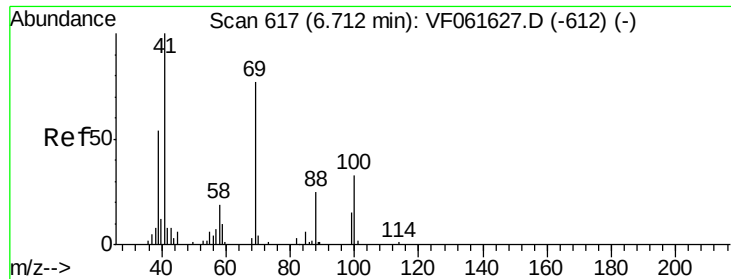
Delta R.T. -0.02 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 25545 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 92.3  | 60.4  | 90.6# |
| 39       | 57.0  | 43.7  | 65.5  |





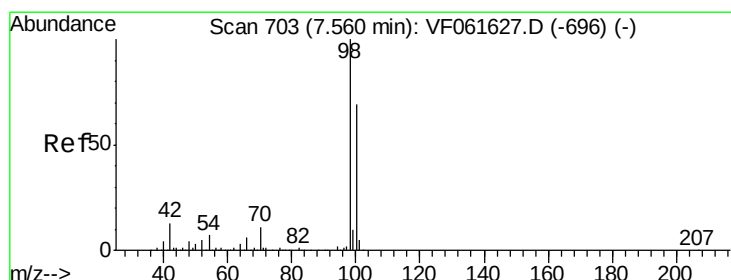
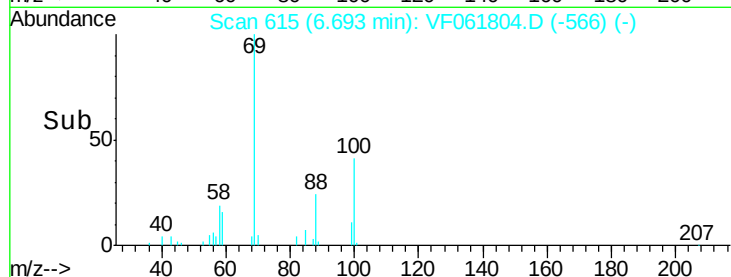
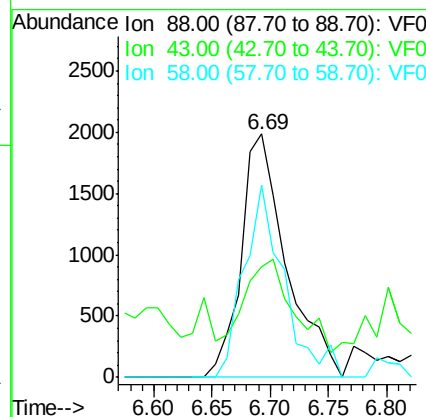
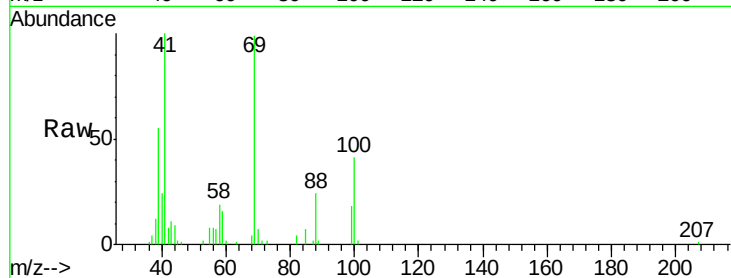
#49  
1,4-Dioxane  
Concen: 401.673 ug/l  
RT: 6.69 min Scan# 615  
Delta R.T. -0.02 min  
Lab File: VF061804.D  
Acq: 1 Mar 2019 15:55

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0301SBSD01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 88      | 100   |      |       |       |
| 43      | 45.4  |      | 32.3  | 48.5  |
| 58      | 79.0  |      | 59.4  | 89.2  |

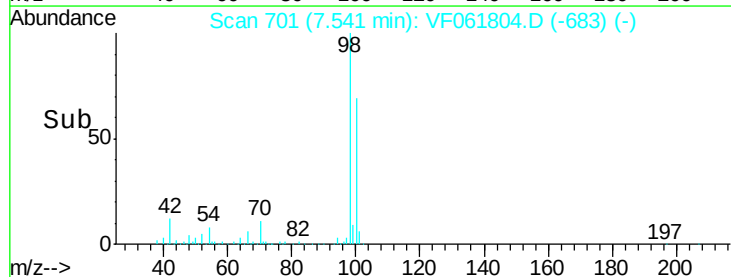
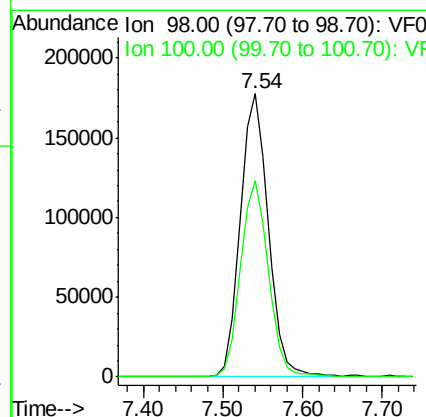
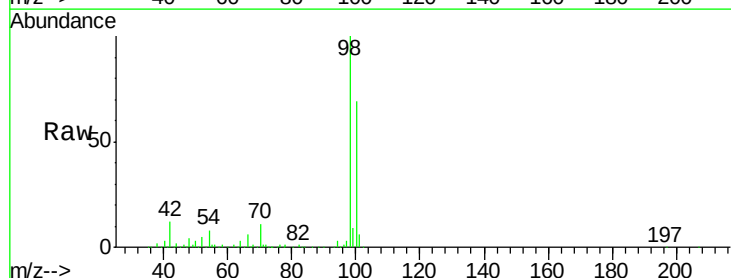
Manual Integrations  
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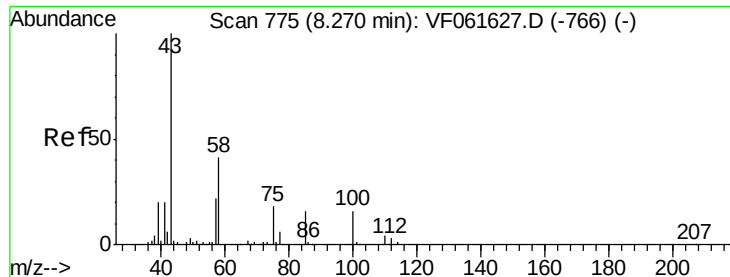
MMDadoda  
3/4/2019 4:00:54 PM



#50  
Toluene-d8  
Concen: 47.009 ug/l  
RT: 7.54 min Scan# 701  
Delta R.T. -0.02 min  
Lab File: VF061804.D  
Acq: 1 Mar 2019 15:55

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 98      | 100   |      |       |       |
| 100     | 69.3  |      | 55.4  | 83.2  |





#51

4-Methyl-2-Pentanone

Concen: 93.667 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.03 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Tot Ion: 43 Resp: 157283

Ion Ratio Lower Upper

43 100

58 41.6 33.1 49.7

Instrument :

MSVOA\_F

ClientSampleId :

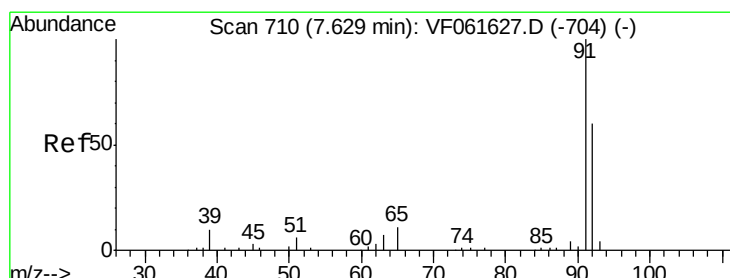
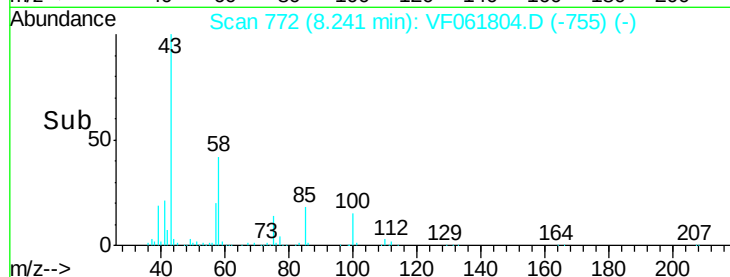
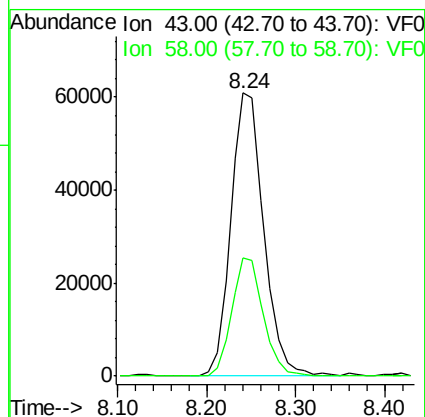
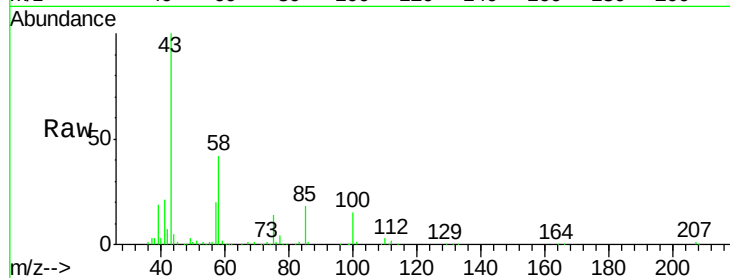
VF0301SBS01

Manual Integrations

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#52

Toluene

Concen: 21.687 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.02 min

Lab File: VF061804.D

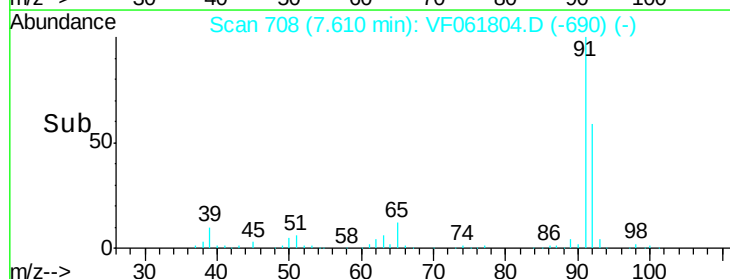
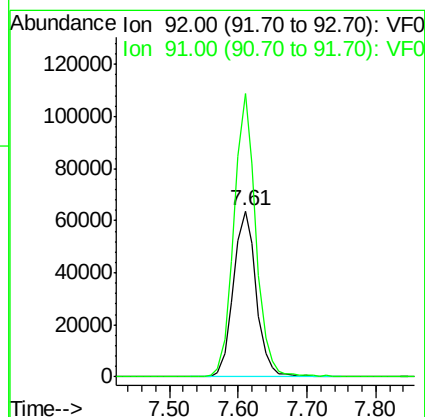
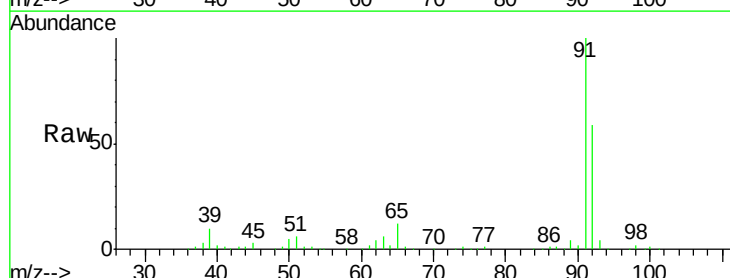
Acq: 1 Mar 2019 15:55

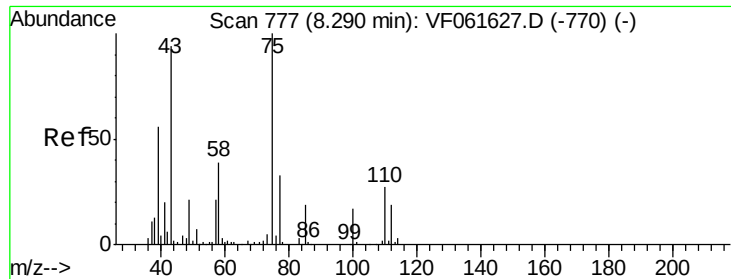
Tgt Ion: 92 Resp: 147055

Ion Ratio Lower Upper

92 100

91 170.3 133.9 200.9





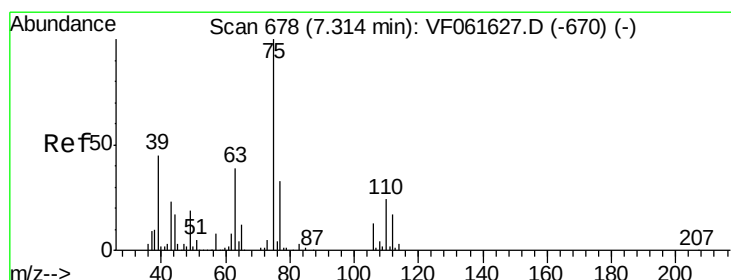
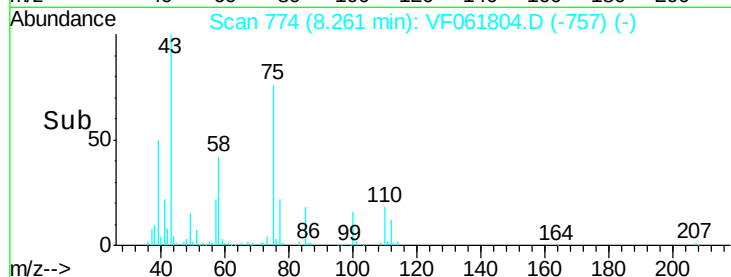
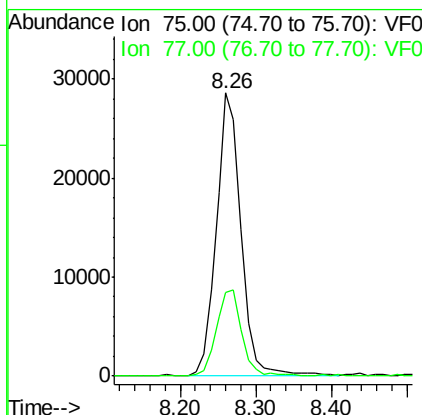
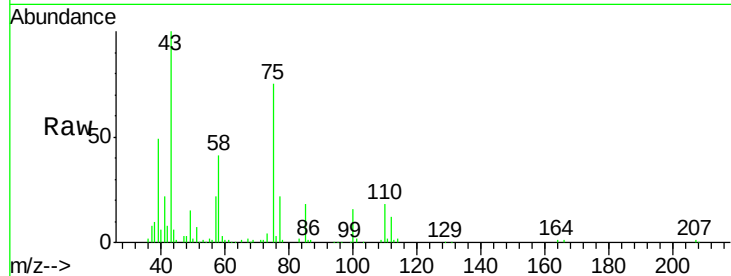
#53  
t-1,3-Dichloropropene  
Concen: 21.558 ug/l  
RT: 8.26 min Scan# 774  
Delta R.T. -0.03 min  
Lab File: VF061804.D  
Acq: 1 Mar 2019 15:55

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0301SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 29.5  | 26.2  | 39.2  |

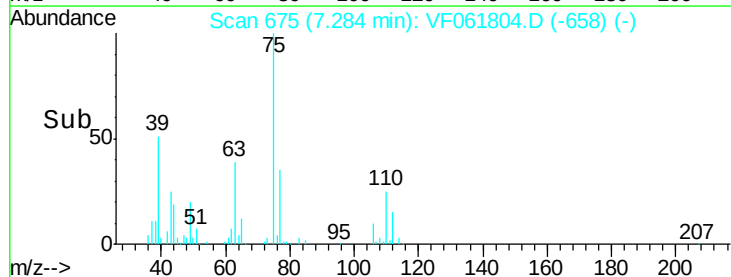
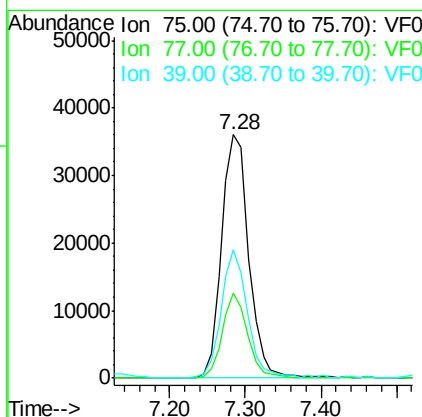
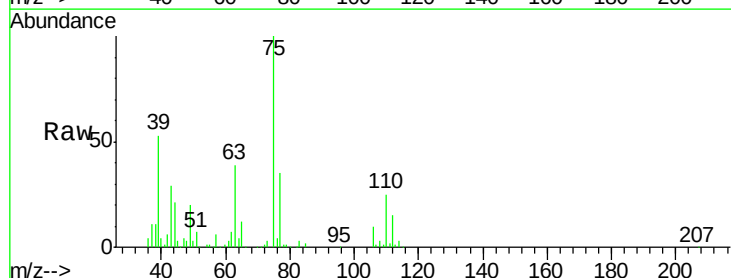
Manual Integrations  
APPROVED

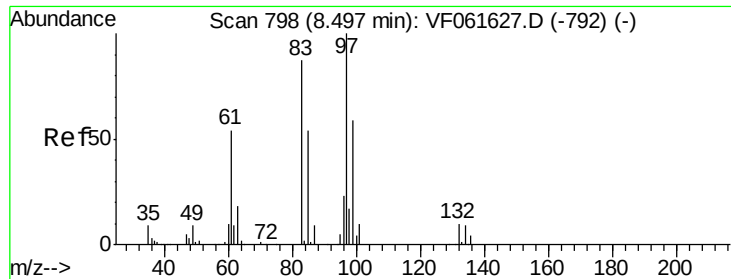
MMDadoda  
3/4/2019 4:00:54 PM



#54  
cis-1,3-Dichloropropene  
Concen: 22.283 ug/l  
RT: 7.28 min Scan# 675  
Delta R.T. -0.03 min  
Lab File: VF061804.D  
Acq: 1 Mar 2019 15:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 35.1  | 26.4  | 39.6  |
| 39      | 52.5  | 36.0  | 54.0  |





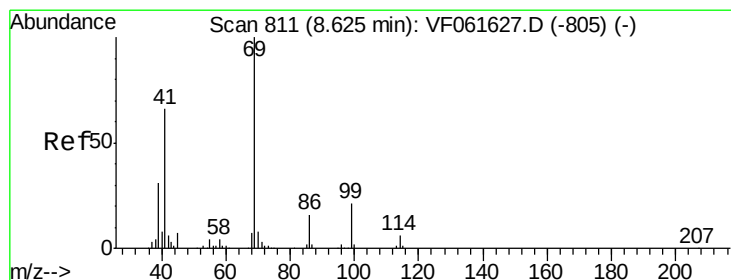
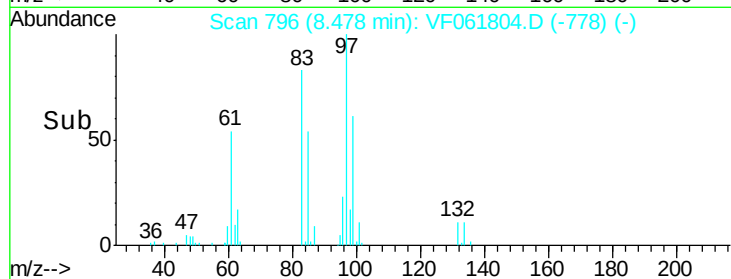
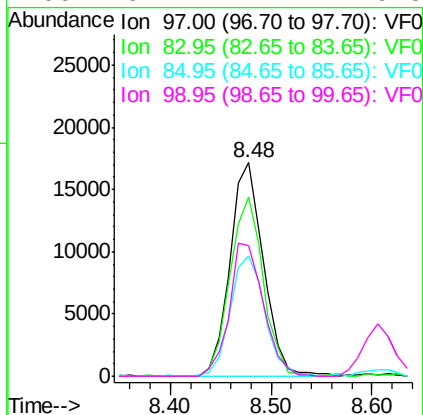
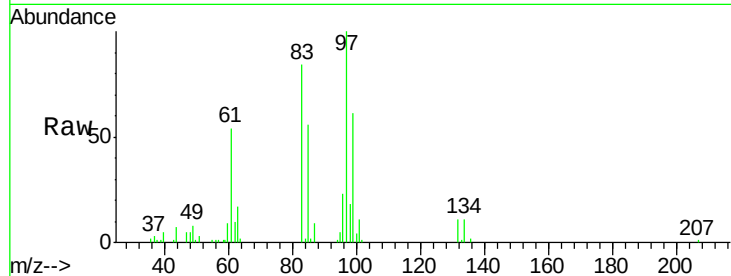
#55  
 1,1,2-Trichloroethane  
 Concen: 19.802 ug/l  
 RT: 8.48 min Scan# 796  
 Delta R.T. -0.02 min  
 Lab File: VF061804.D  
 Acq: 1 Mar 2019 15:55

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0301SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 39451 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 84.1  | 69.2  | 103.8 |
| 85       | 56.1  | 43.0  | 64.4  |
| 99       | 61.2  | 47.2  | 70.8  |

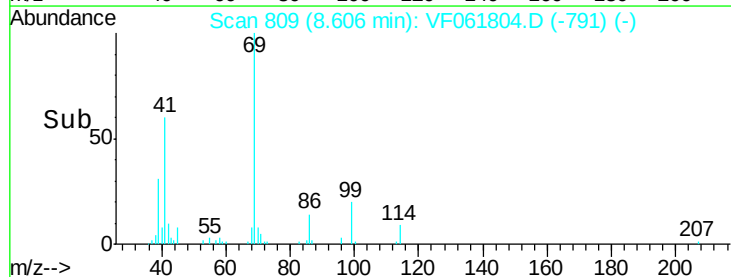
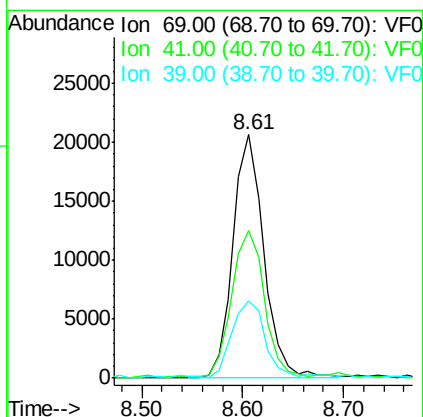
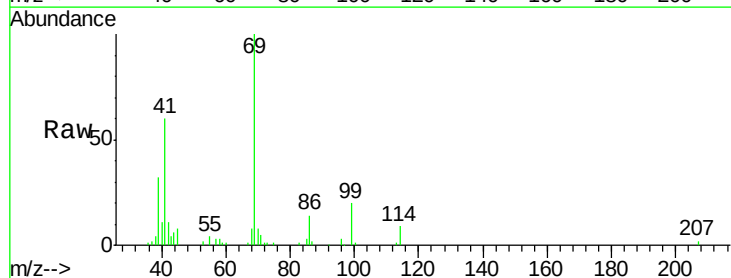
Manual Integrations  
 APPROVED

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 3/4/2019 4:00:54 PM

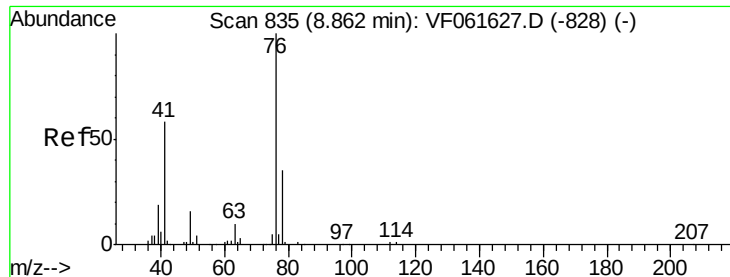


#56  
 Ethyl methacrylate  
 Concen: 19.841 ug/l  
 RT: 8.61 min Scan# 809  
 Delta R.T. -0.02 min  
 Lab File: VF061804.D  
 Acq: 1 Mar 2019 15:55

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 44008 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 60.4  | 52.9  | 79.3  |
| 39       | 31.9  | 24.5  | 36.7  |







#57

1,3-Dichloropropane

Concen: 21.128 ug/l

RT: 8.83 min Scan# 832

Delta R.T. -0.03 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Instrument :

MSVOA\_F

ClientSampleId :

VF0301SBS01

Tot Ion: 76 Resp: 70256

Ion Ratio Lower Upper

76 100

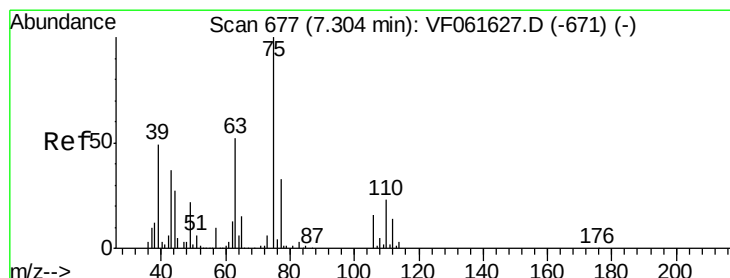
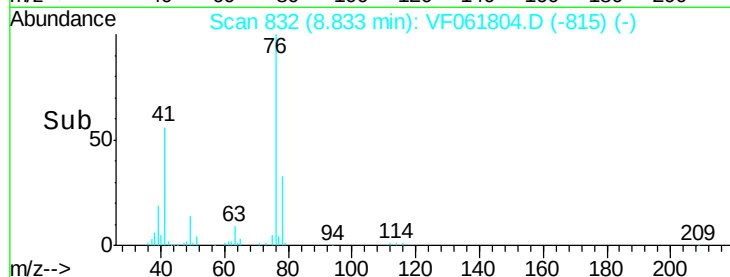
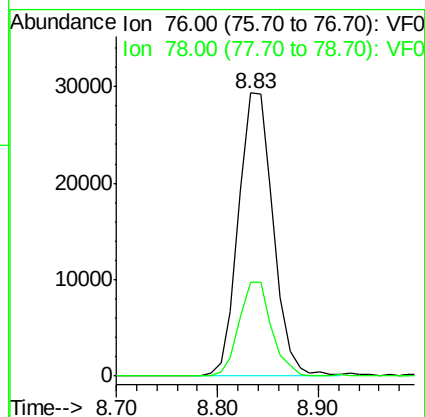
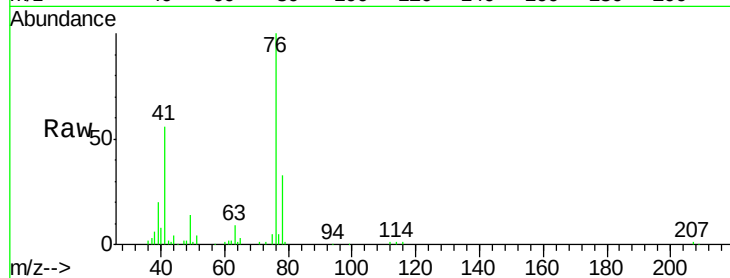
78 33.2 27.8 41.6

Manual Integrations

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3/4/2019 4:00:54 PM



#58

2-Chloroethyl Vinyl ether

Concen: 88.869 ug/l

RT: 7.28 min Scan# 675

Delta R.T. -0.02 min

Lab File: VF061804.D

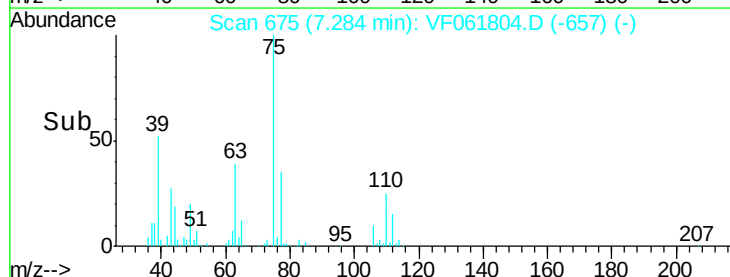
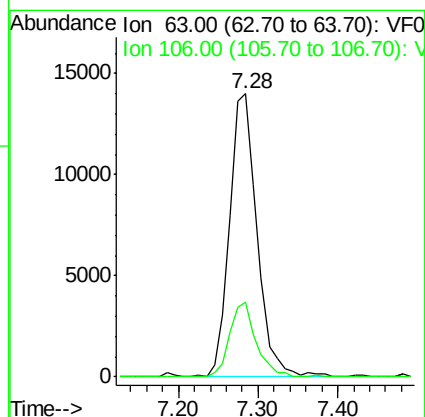
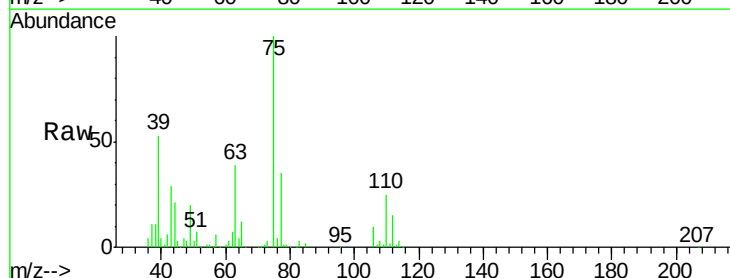
Acq: 1 Mar 2019 15:55

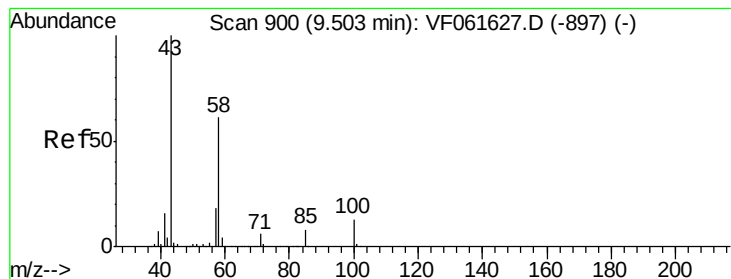
Tgt Ion: 63 Resp: 34010

Ion Ratio Lower Upper

63 100

106 26.2 24.6 36.8





#59

2-Hexanone

Concen: 103.794 ug/l

RT: 9.47 min Scan# 897

Delta R.T. -0.03 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Instrument :

MSVOA\_F

ClientSampleId :

VF0301SBS01

Tot Ion: 43 Resp: 122171

Ion Ratio Lower Upper

43 100

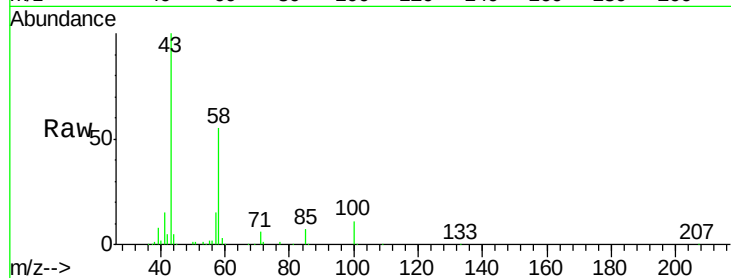
58 54.9 28.5 85.5

Manual Integrations

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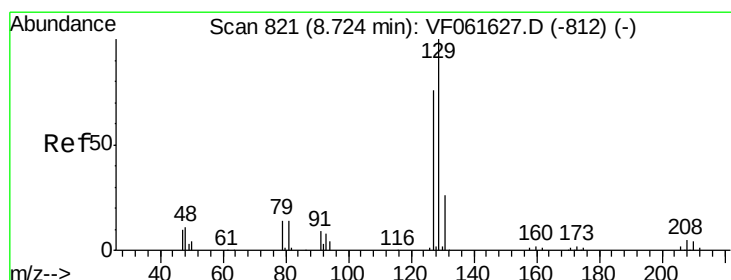
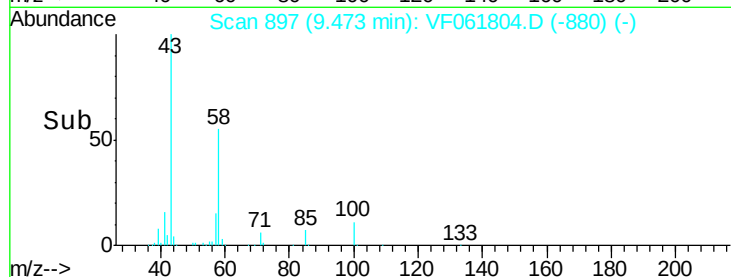
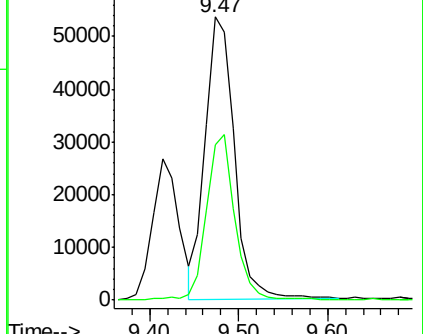
MMDadoda

3/4/2019 4:00:54 PM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#60

Dibromochloromethane

Concen: 21.041 ug/l

RT: 8.70 min Scan# 819

Delta R.T. -0.02 min

Lab File: VF061804.D

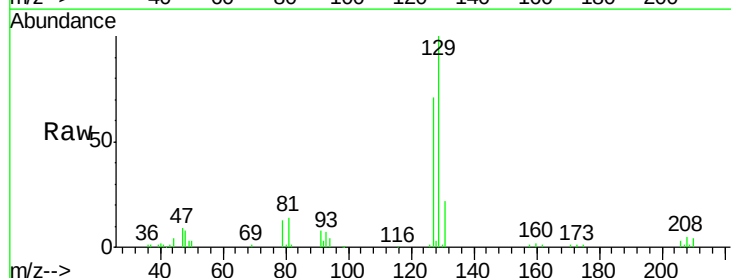
Acq: 1 Mar 2019 15:55

Tgt Ion: 129 Resp: 58345

Ion Ratio Lower Upper

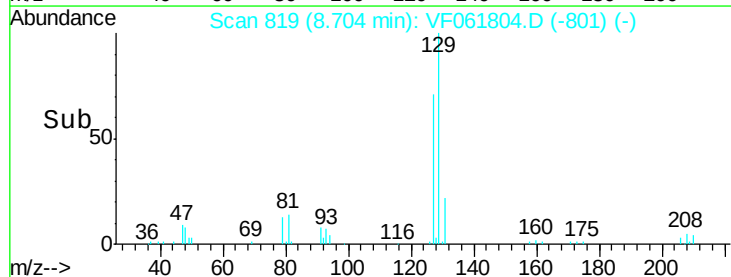
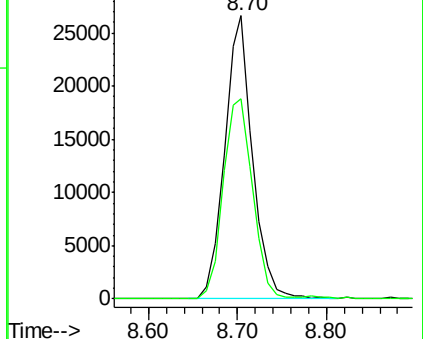
129 100

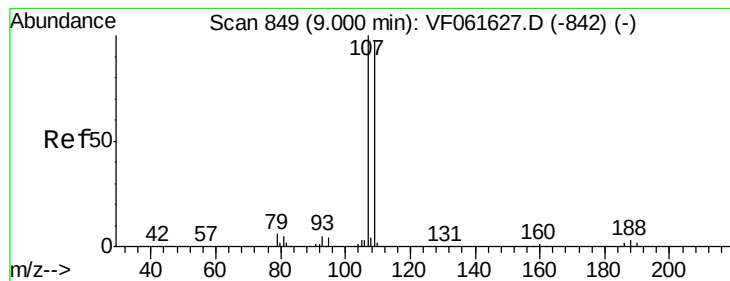
127 70.7 37.8 113.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#61

1,2-Dibromoethane

Concen: 20.489 ug/l

RT: 8.97 min Scan# 846

Delta R.T. -0.03 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Instrument :

MSVOA\_F

ClientSampleId :

VF0301SBS01

Tot Ion:107 Resp: 44274

Ion Ratio Lower Upper

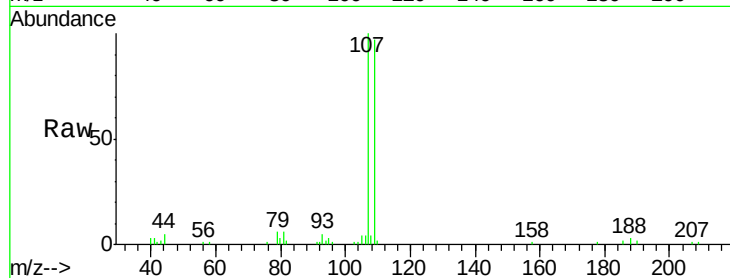
107 100

109 97.0 77.4 116.0

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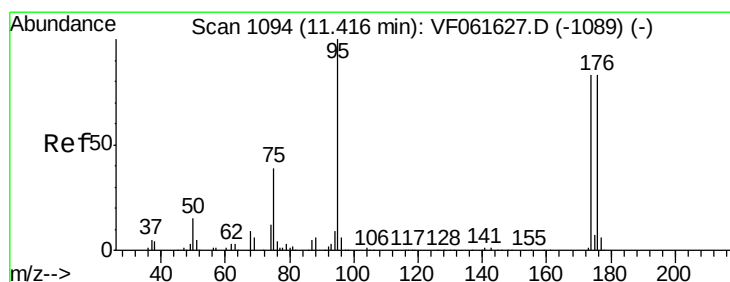
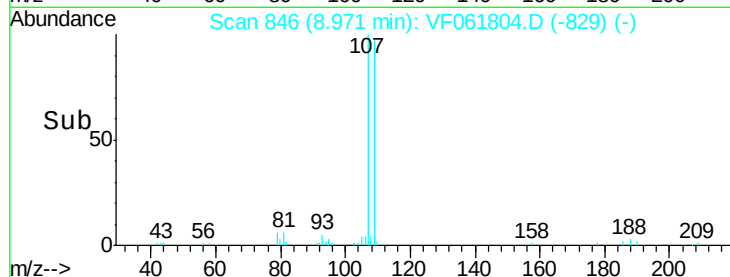
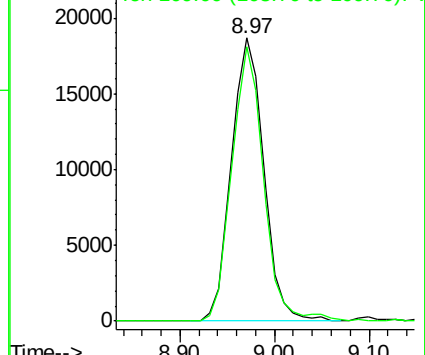
MMDadoda

3/4/2019 4:00:54 PM



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 46.617 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

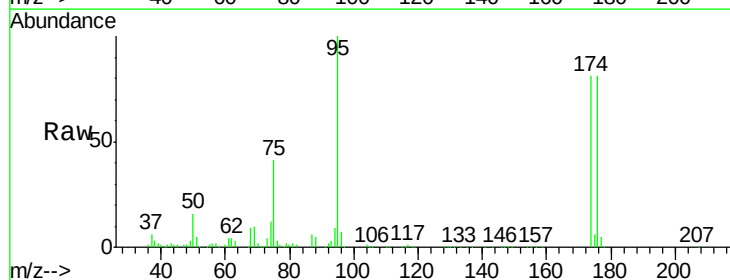
Tgt Ion: 95 Resp: 173742

Ion Ratio Lower Upper

95 100

174 80.8 0.0 165.8

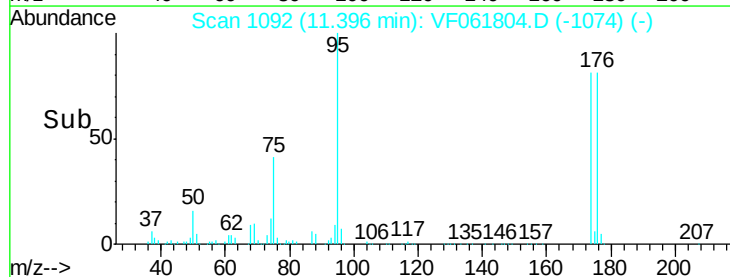
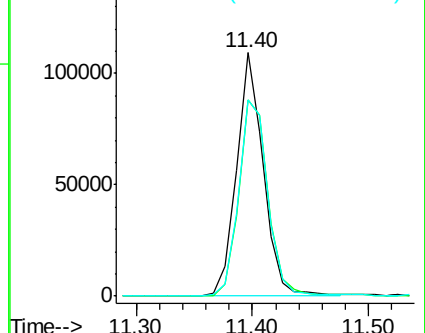
176 80.5 0.0 167.0

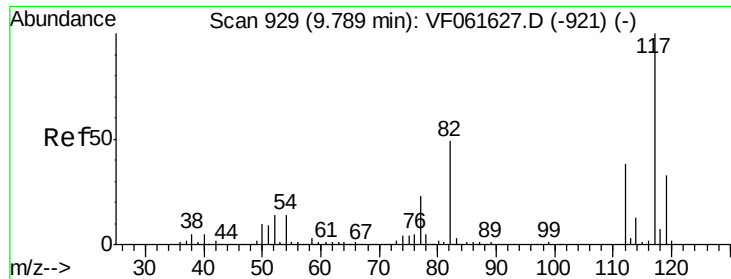


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





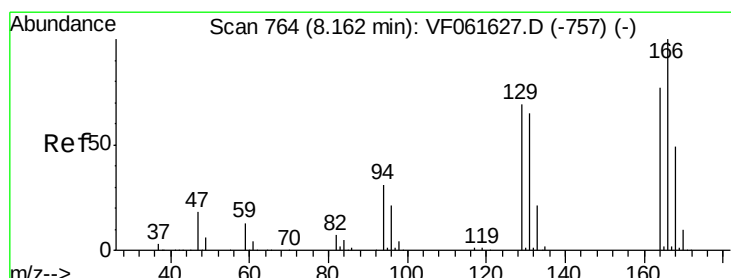
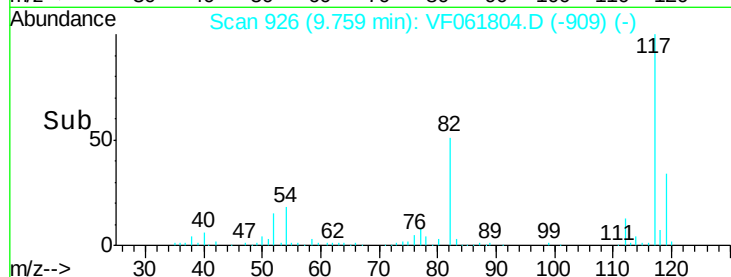
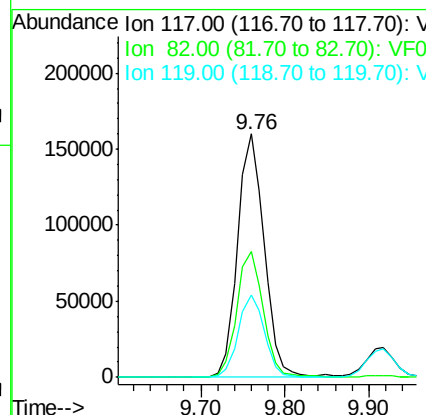
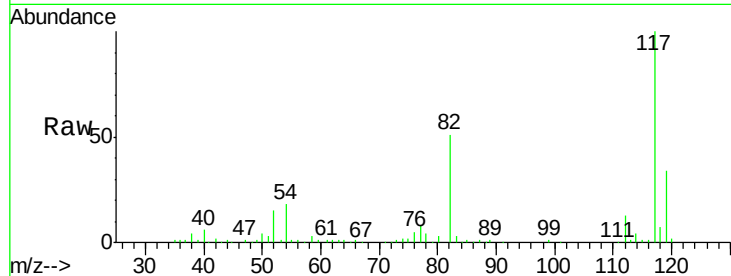
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.76 min Scan# 926  
Delta R.T. -0.03 min  
Lab File: VF061804.D  
Acq: 1 Mar 2019 15:55

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0301SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 51.5  | 39.3  | 58.9  |
| 119     | 33.8  | 26.6  | 40.0  |

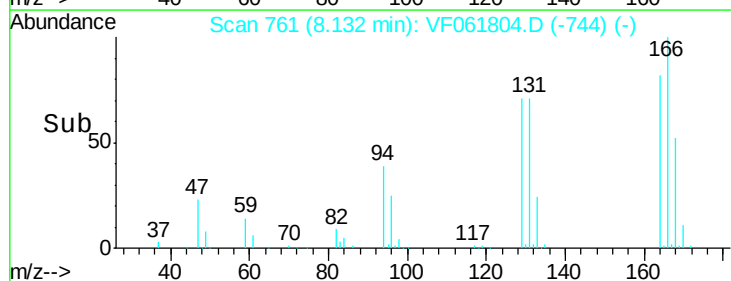
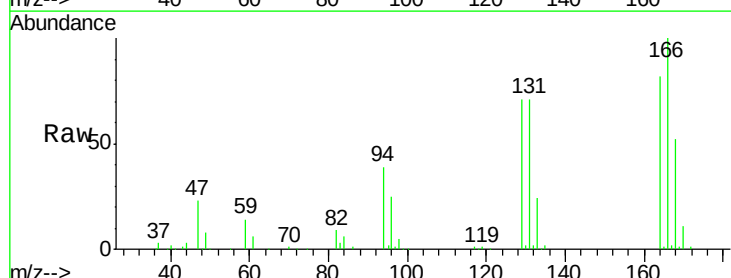
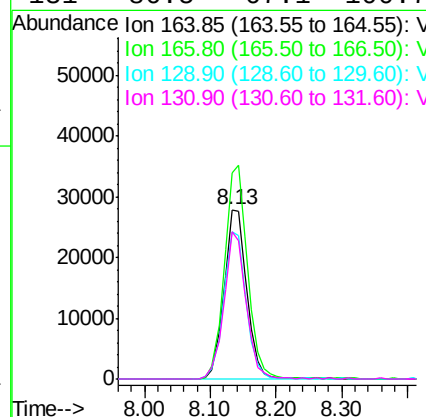
Manual Integrations  
APPROVED

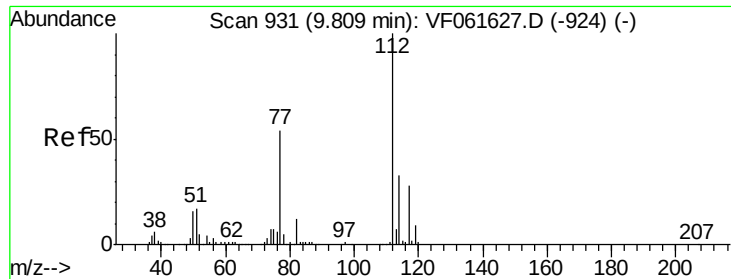
MMDadoda  
3/4/2019 4:00:54 PM



#64  
Tetrachloroethene  
Concen: 23.158 ug/l  
RT: 8.13 min Scan# 761  
Delta R.T. -0.03 min  
Lab File: VF061804.D  
Acq: 1 Mar 2019 15:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 121.7 | 103.9 | 155.9 |
| 129     | 86.7  | 71.3  | 106.9 |
| 131     | 86.5  | 67.1  | 100.7 |





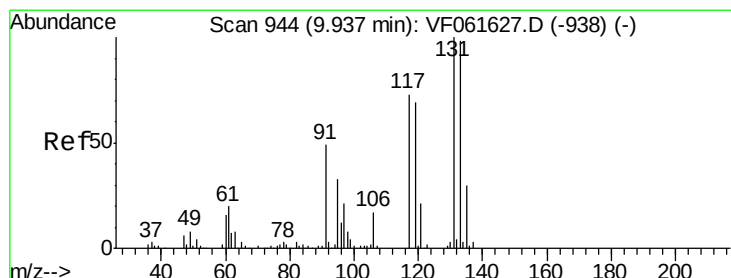
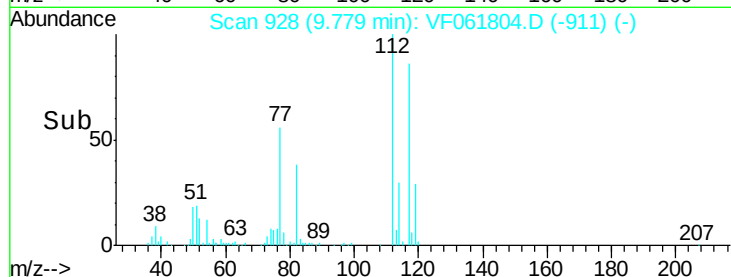
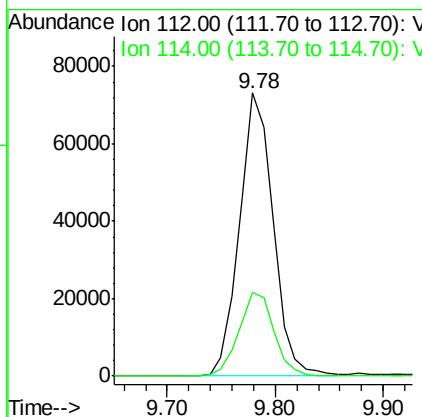
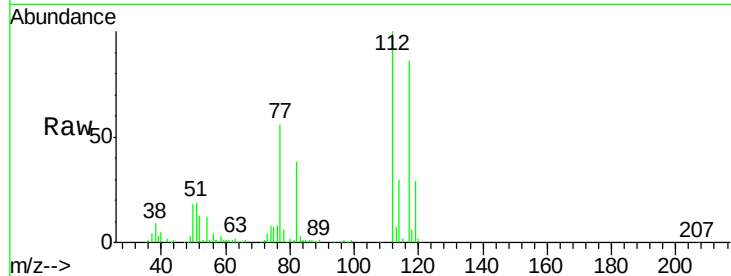
#65  
Chlorobenzene  
Concen: 22.068 ug/l  
RT: 9.78 min Scan# 928  
Delta R.T. -0.03 min  
Lab File: VF061804.D  
Acq: 1 Mar 2019 15:55

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0301SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 112     | 100   | 159005 |       |       |
| 114     | 29.6  | 26.2   | 39.2  |       |

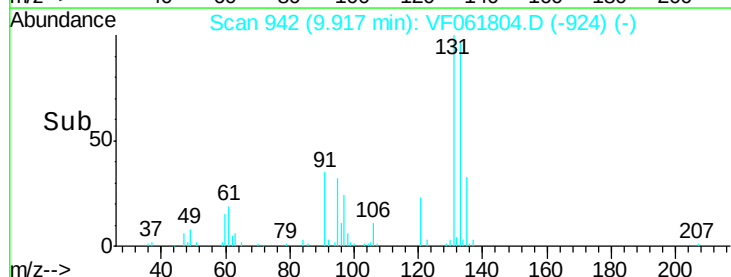
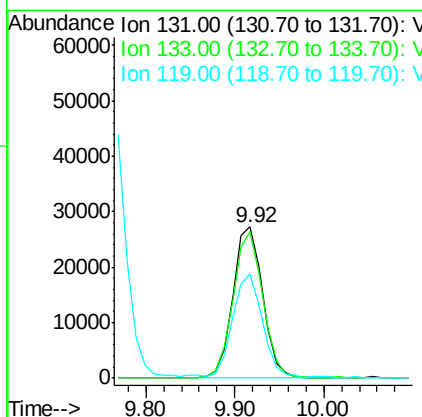
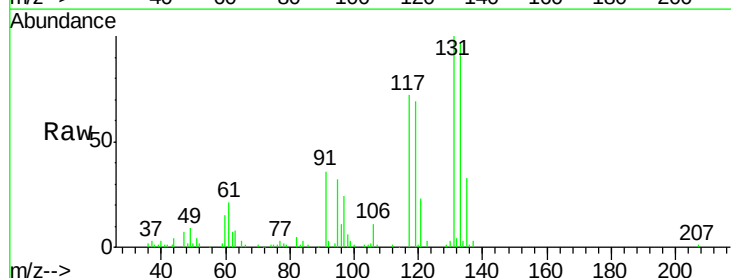
Manual Integrations  
APPROVED

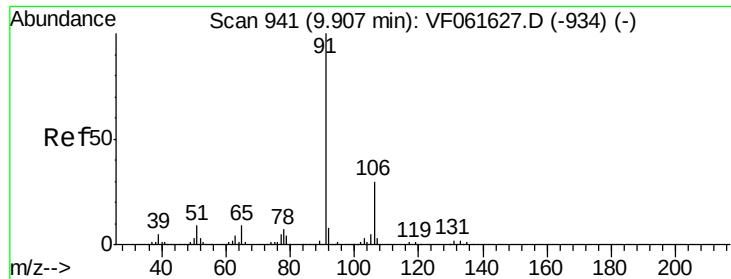
MMDadoda  
3/4/2019 4:00:54 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 22.663 ug/l  
RT: 9.92 min Scan# 942  
Delta R.T. -0.02 min  
Lab File: VF061804.D  
Acq: 1 Mar 2019 15:55

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 131     | 100   | 63984 |       |       |
| 133     | 96.6  | 48.9  | 146.6 |       |
| 119     | 69.0  | 34.8  | 104.3 |       |





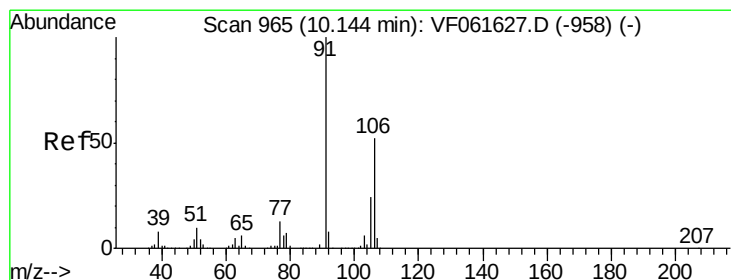
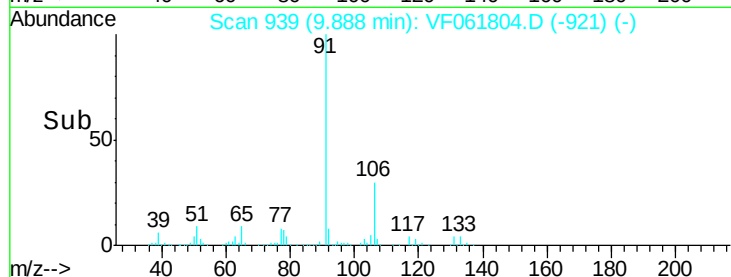
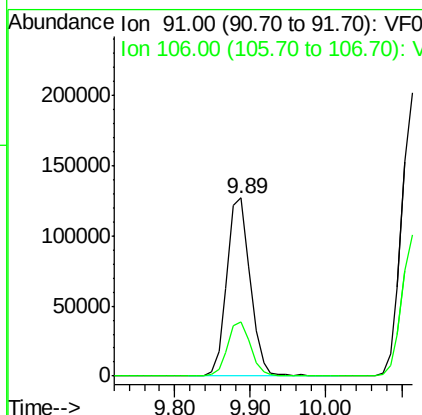
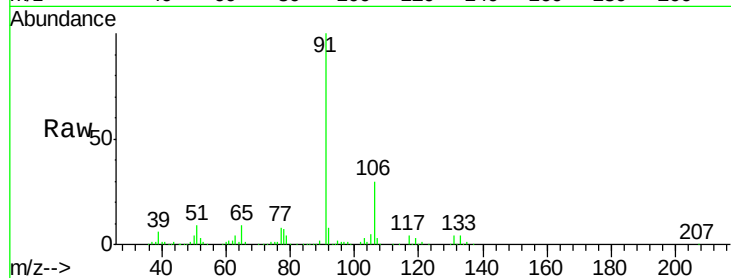
#67  
Ethyl Benzene  
Concen: 22.743 ug/l  
RT: 9.89 min Scan# 939  
Delta R.T. -0.02 min  
Lab File: VF061804.D  
Acq: 1 Mar 2019 15:55

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0301SBSD01

Tot Ion: 91 Resp: 272505  
Ion Ratio Lower Upper  
91 100  
106 30.3 24.1 36.1

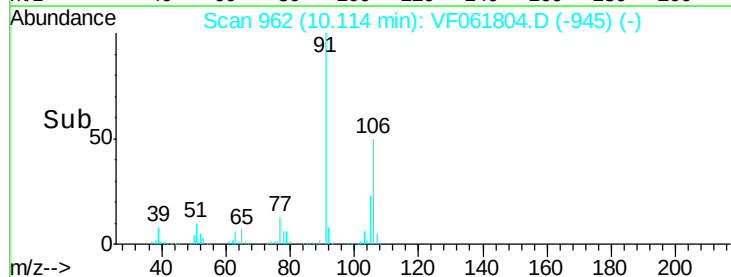
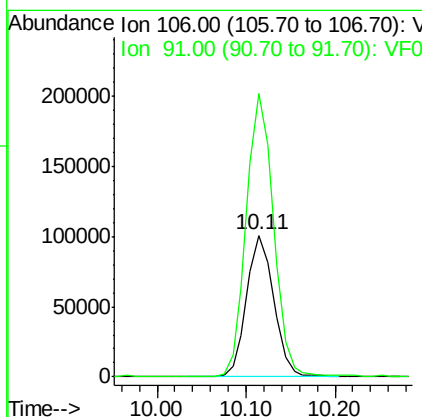
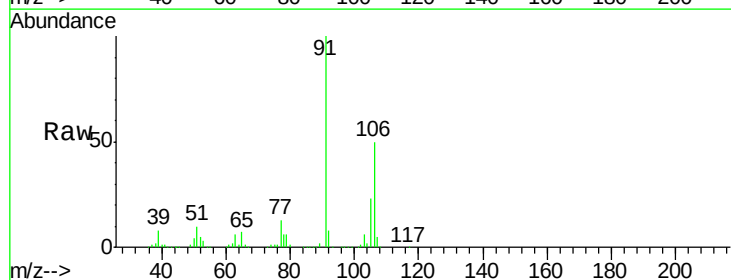
Manual Integrations  
APPROVED

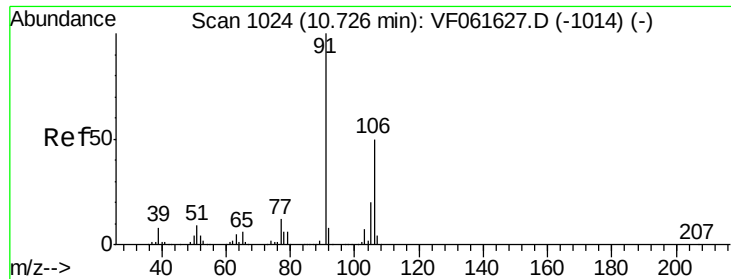
MMDadoda  
3/4/2019 4:00:54 PM



#68  
m/p-Xylenes  
Concen: 46.506 ug/l  
RT: 10.11 min Scan# 962  
Delta R.T. -0.03 min  
Lab File: VF061804.D  
Acq: 1 Mar 2019 15:55

Tgt Ion: 106 Resp: 213264  
Ion Ratio Lower Upper  
106 100  
91 199.8 153.0 229.6





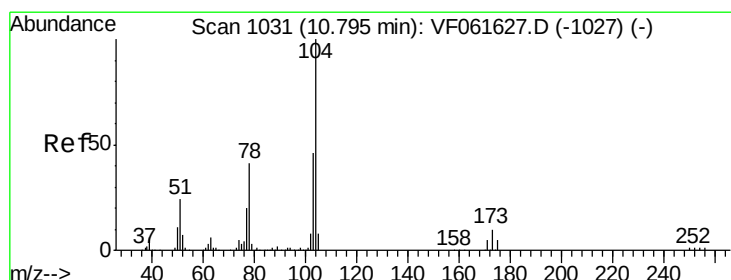
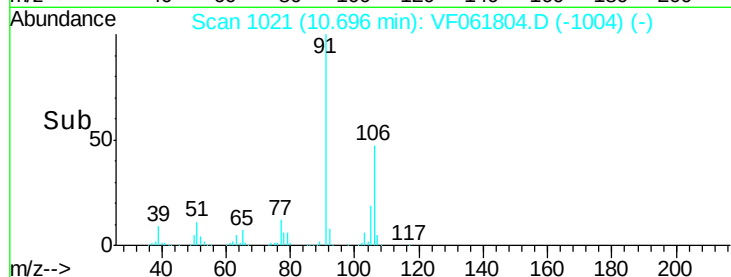
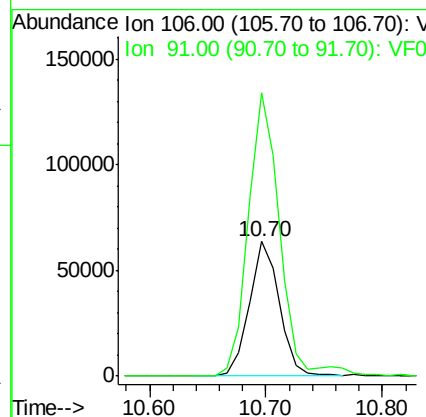
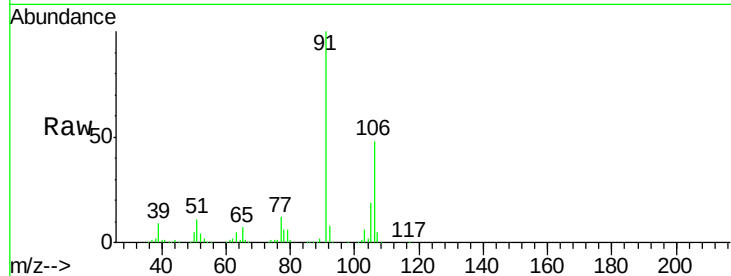
#69  
o-Xylene  
Concen: 23.186 ug/l  
RT: 10.70 min Scan# 1021  
Delta R.T. -0.03 min  
Lab File: VF061804.D  
Acq: 1 Mar 2019 15:55

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0301SBS01

Tot Ion:106 Resp: 113453  
Ion Ratio Lower Upper  
106 100  
91 210.4 100.1 300.1

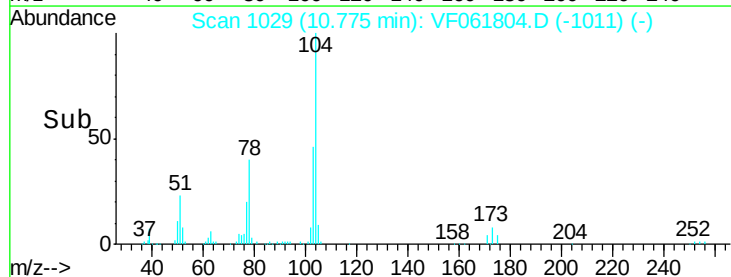
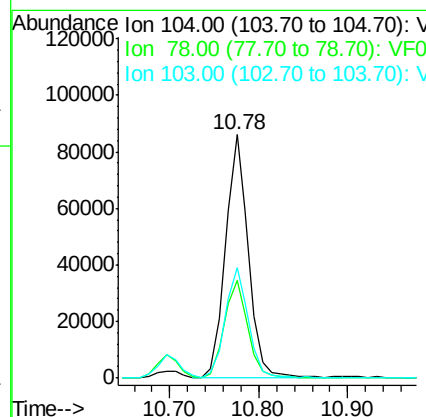
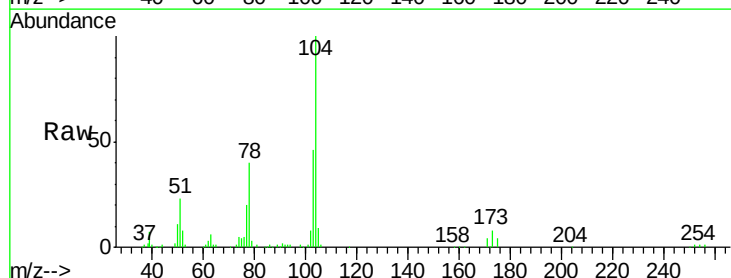
Manual Integrations  
APPROVED

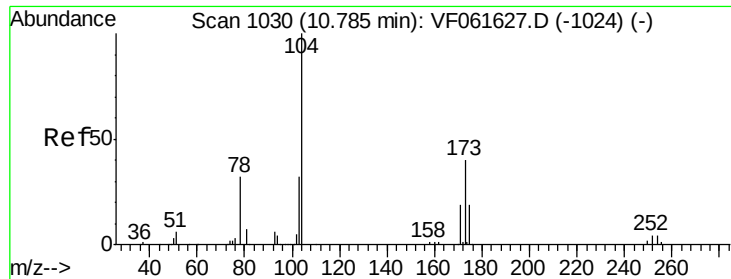
MMDadoda  
3/4/2019 4:00:54 PM



#70  
Styrene  
Concen: 22.421 ug/l  
RT: 10.78 min Scan# 1029  
Delta R.T. -0.02 min  
Lab File: VF061804.D  
Acq: 1 Mar 2019 15:55

Tgt Ion:104 Resp: 155202  
Ion Ratio Lower Upper  
104 100  
78 39.9 33.2 49.8  
103 45.6 37.2 55.8





#71

Bromoform

Concen: 20.833 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. -0.03 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Instrument :

MSVOA\_F

ClientSampleId :

VF0301SBSD01

Tot Ion:173 Resp: 31940

Ion Ratio Lower Upper

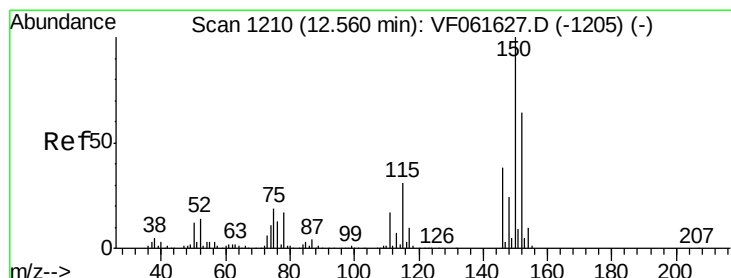
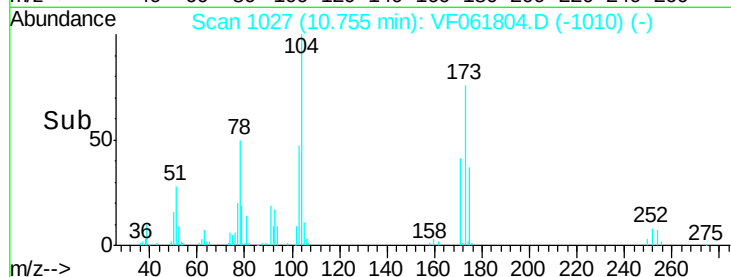
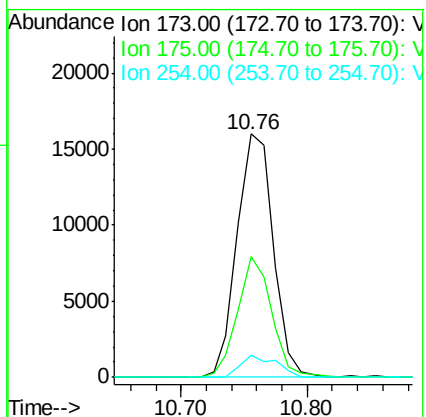
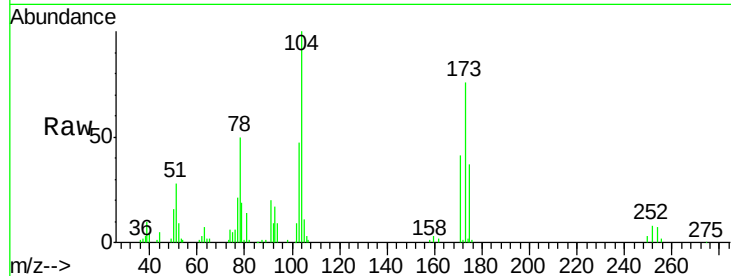
173 100

175 49.5 24.0 72.0

254 9.2 8.2 12.2

Manual Integrations  
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MMDadoda  
3/4/2019 4:00:54 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.02 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

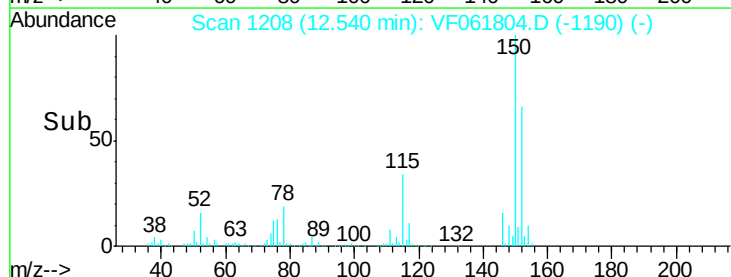
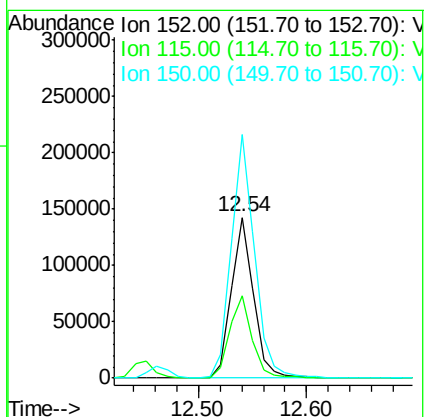
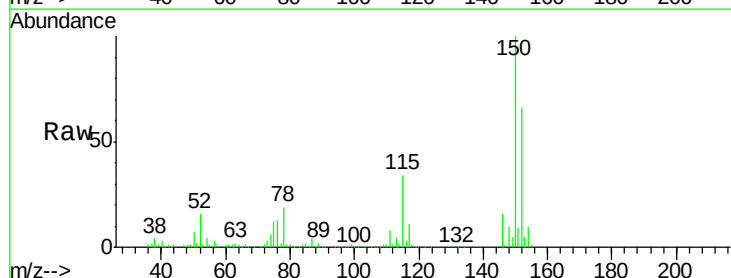
Tgt Ion:152 Resp: 205608

Ion Ratio Lower Upper

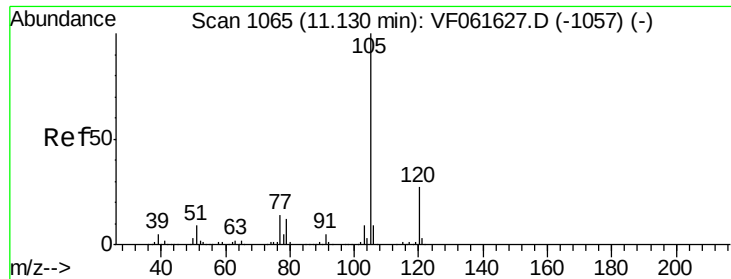
152 100

115 51.3 24.3 72.8

150 151.6 0.0 312.0







#73

Isopropylbenzene

Concen: 22.859 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.02 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Instrument :

MSVOA\_F

ClientSampleId :

VF0301SBS01

Tot Ion:105 Resp: 334627

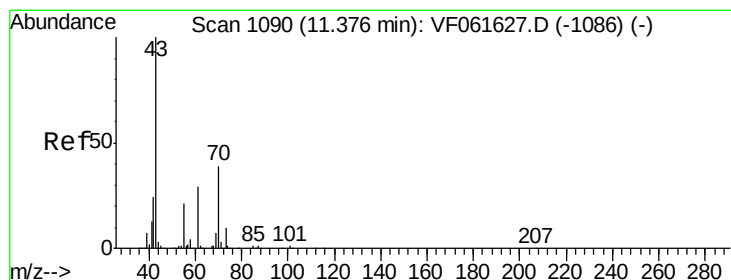
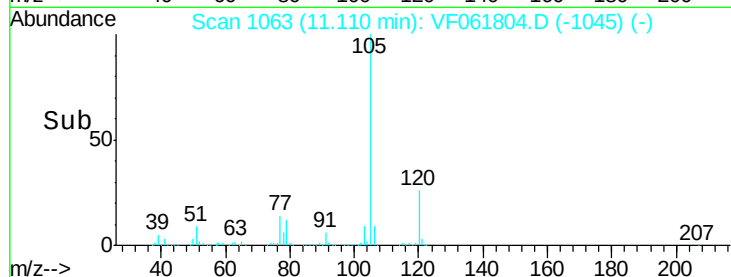
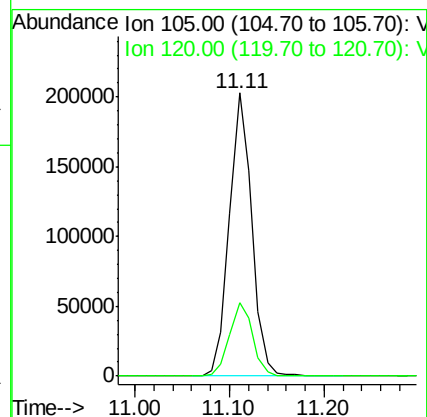
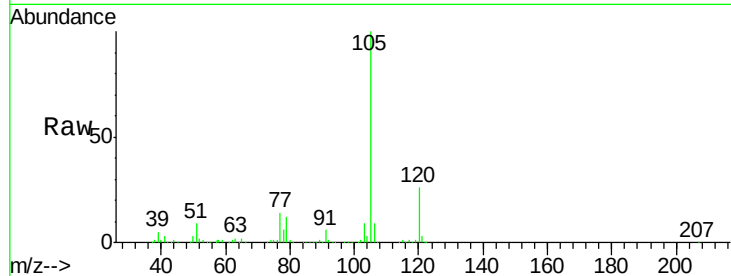
Ion Ratio Lower Upper

105 100

120 25.8 13.4 40.1

Manual Integrations  
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3/4/2019 4:00:54 PM



#74

N-ethyl acetate

Concen: 19.911 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.02 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Tgt Ion: 43 Resp: 69962

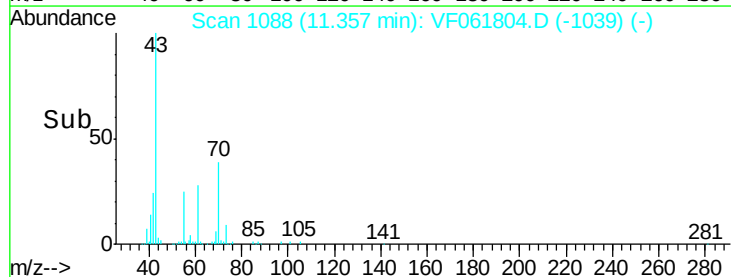
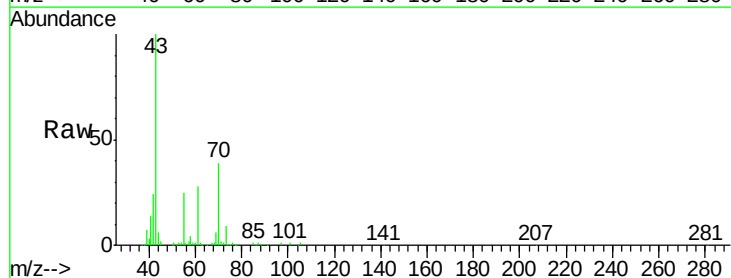
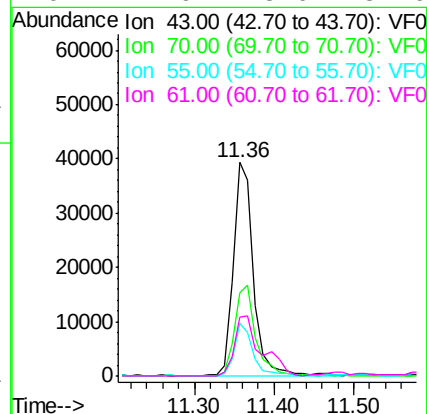
Ion Ratio Lower Upper

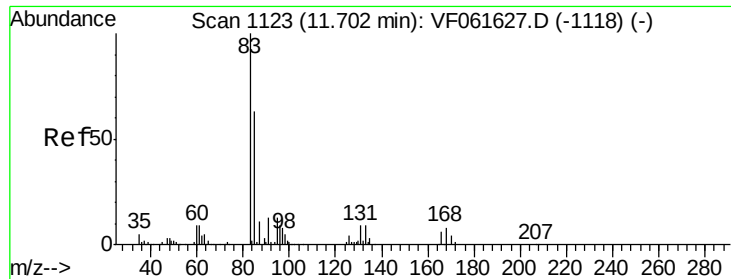
43 100

70 39.2 31.5 47.3

55 24.7 16.7 25.1

61 27.9 23.0 34.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.386 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Instrument :

MSVOA\_F

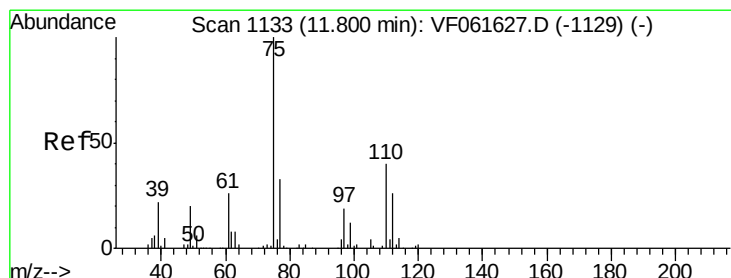
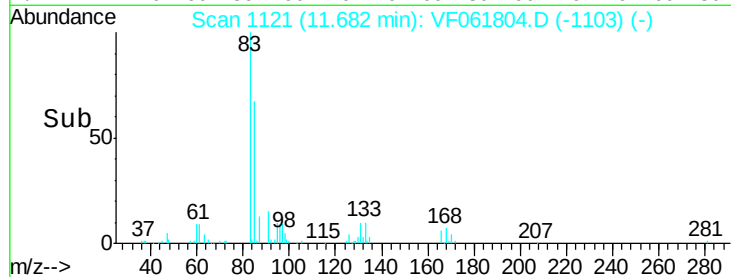
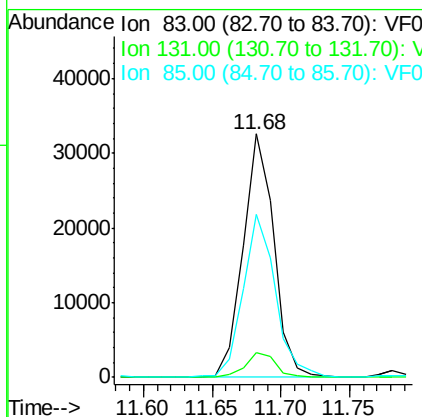
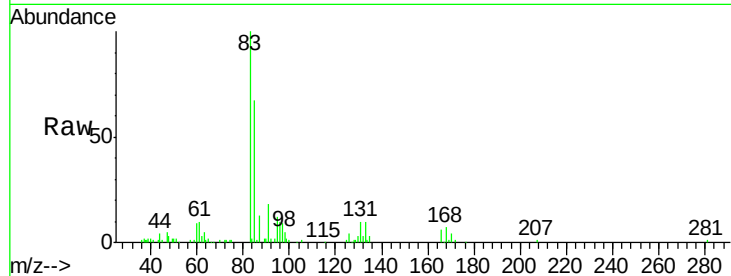
ClientSampleId :

VF0301SBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 50841 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 9.9   | 4.4   | 13.2  |
| 85        | 66.8  | 31.5  | 94.5  |

Manual Integrations  
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3/4/2019 4:00:54 PM



#76

1,2,3-Trichloropropane

Concen: 19.856 ug/l

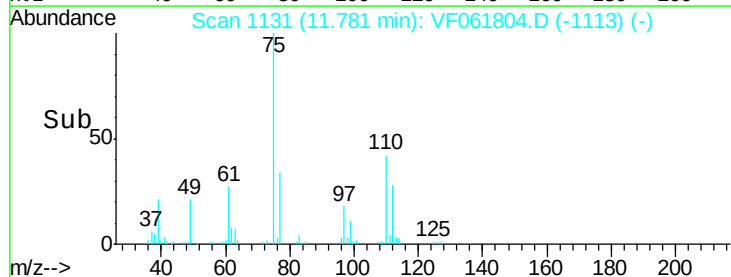
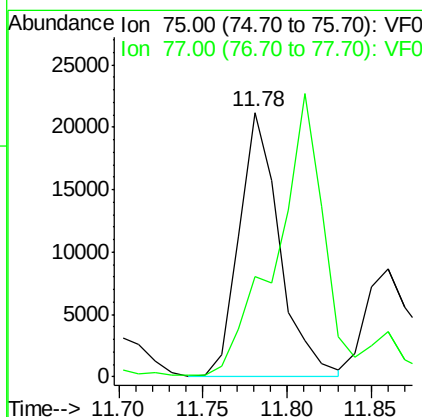
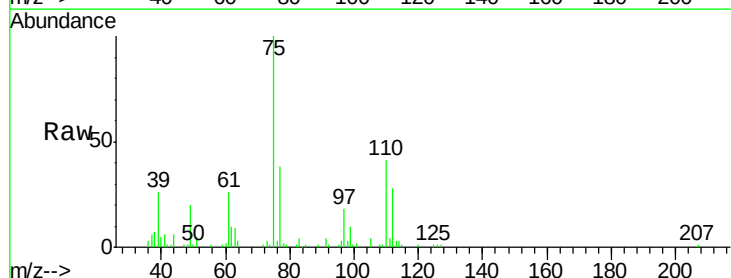
RT: 11.78 min Scan# 1131

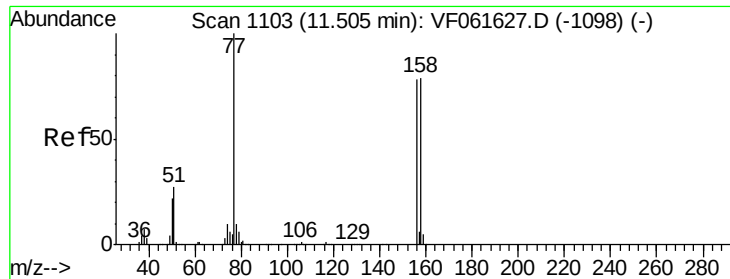
Delta R.T. -0.02 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 35404 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 38.1  | 16.6  | 49.7  |





#77

Bromobenzene

Concen: 20.112 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.02 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Instrument :

MSVOA\_F

ClientSampleId :

VF0301SBS01

Tot Ion:156 Resp: 72736

Ion Ratio Lower Upper

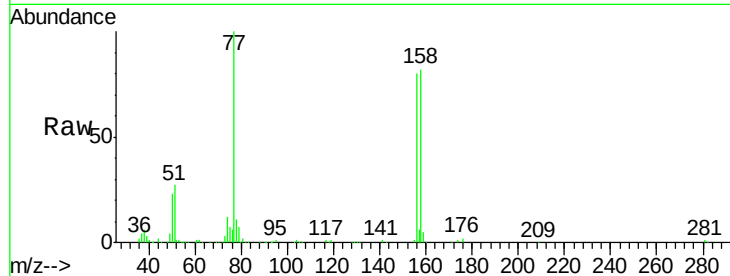
156 100

77 124.4 64.3 192.7

158 102.4 50.9 152.7

Manual Integrations  
APPROVED

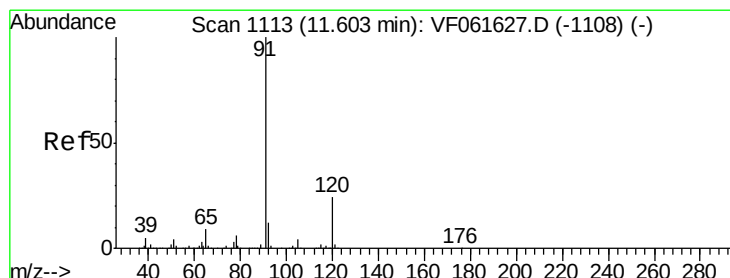
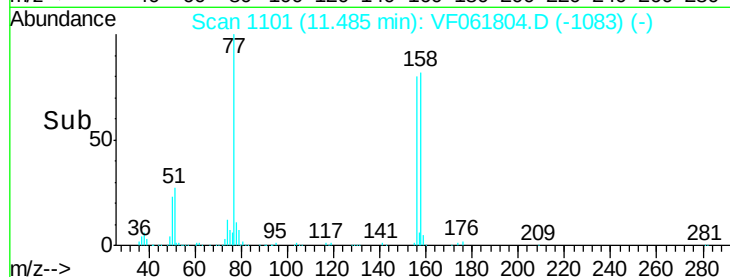
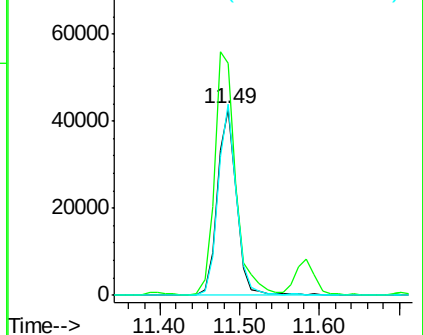
MMDadoda  
3/4/2019 4:00:54 PM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 22.001 ug/l

RT: 11.58 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VF061804.D

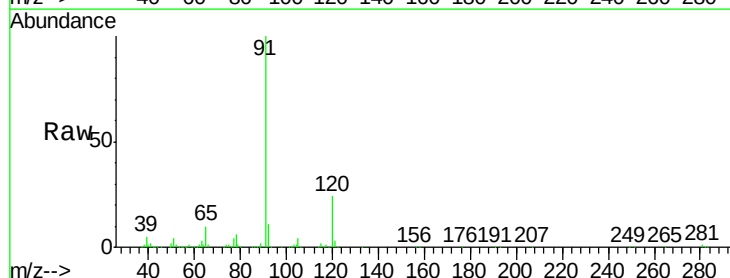
Acq: 1 Mar 2019 15:55

Tgt Ion: 91 Resp: 369585

Ion Ratio Lower Upper

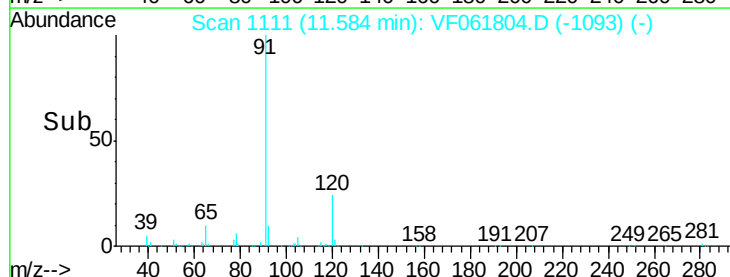
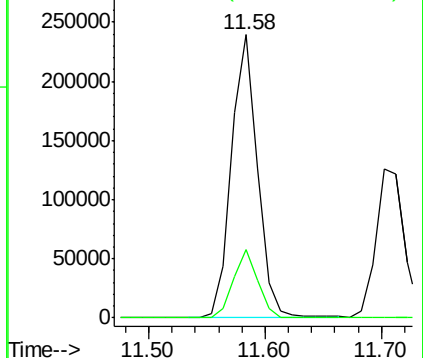
91 100

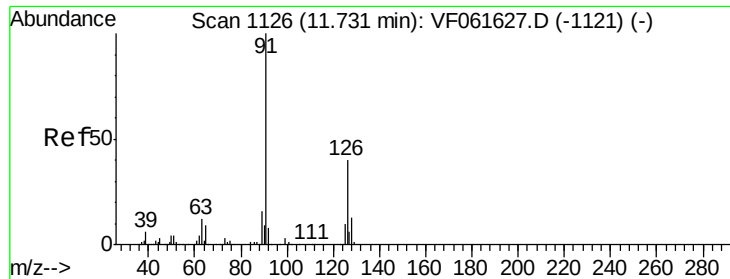
120 24.0 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





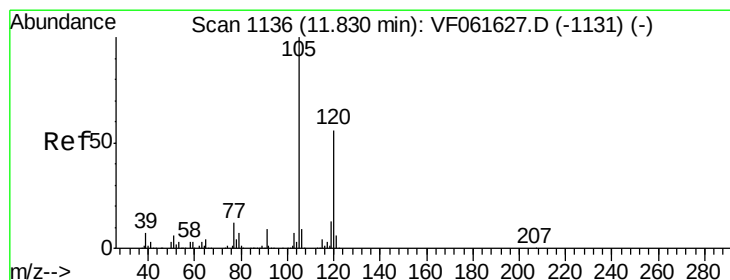
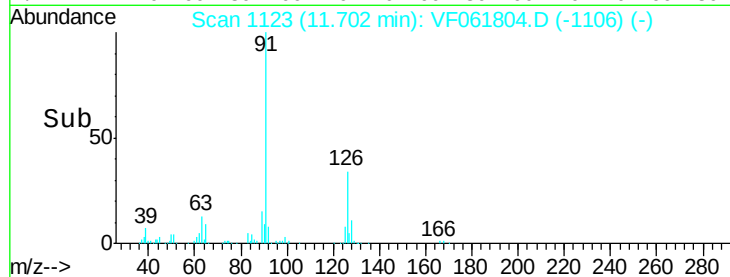
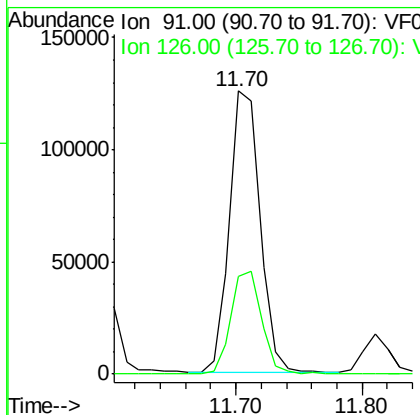
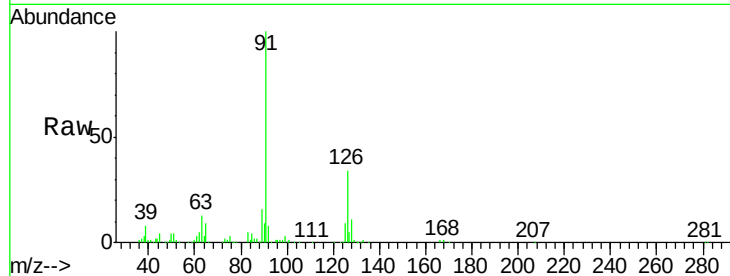
#79  
2-Chlorotoluene  
Concen: 22.257 ug/l  
RT: 11.70 min Scan# 1123  
Delta R.T. -0.03 min  
Lab File: VF061804.D  
Acq: 1 Mar 2019 15:55

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0301SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 34.4  | 19.8  | 59.4  |

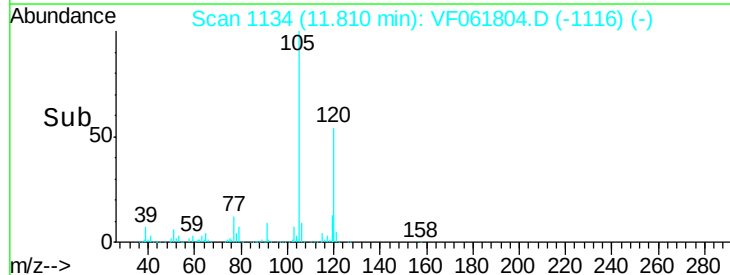
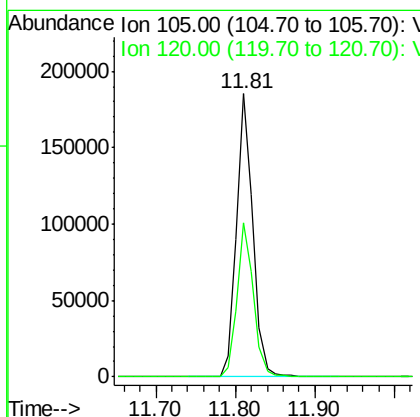
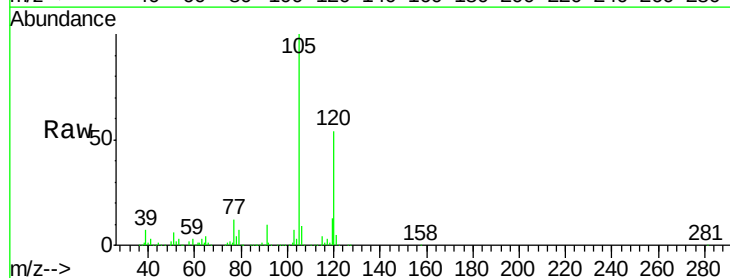
Manual Integrations  
APPROVED

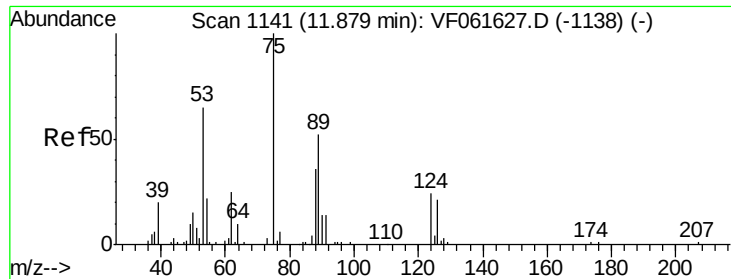
MMDadoda  
3/4/2019 4:00:54 PM



#80  
1,3,5-Trimethylbenzene  
Concen: 22.916 ug/l  
RT: 11.81 min Scan# 1134  
Delta R.T. -0.02 min  
Lab File: VF061804.D  
Acq: 1 Mar 2019 15:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 54.4  | 27.9  | 83.6  |





#81

trans-1,4-Dichloro-2-butene

Concen: 18.967 ug/l m

RT: 11.86 min Scan# 1139

Delta R.T. -0.02 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Instrument :

MSVOA\_F

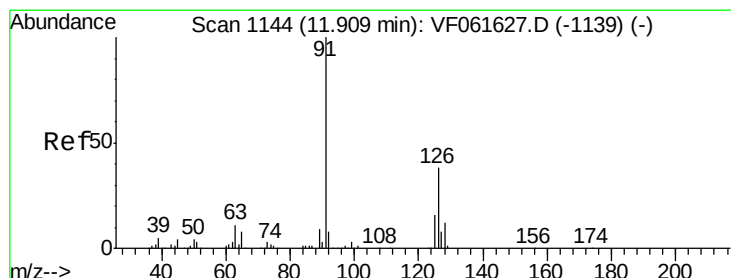
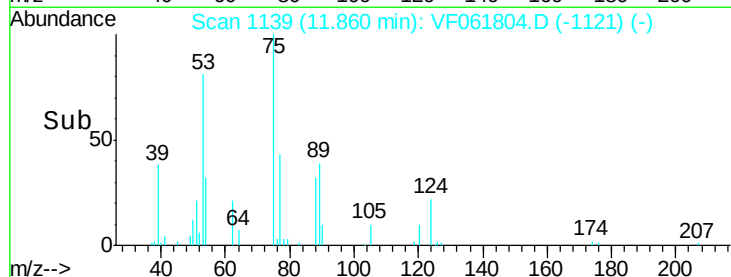
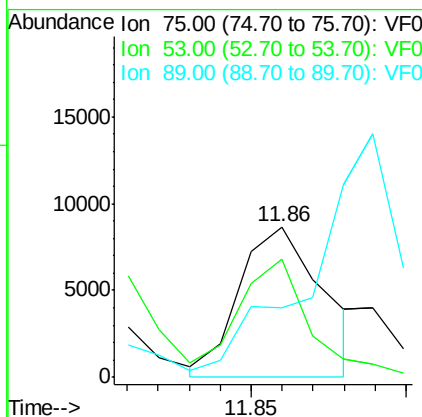
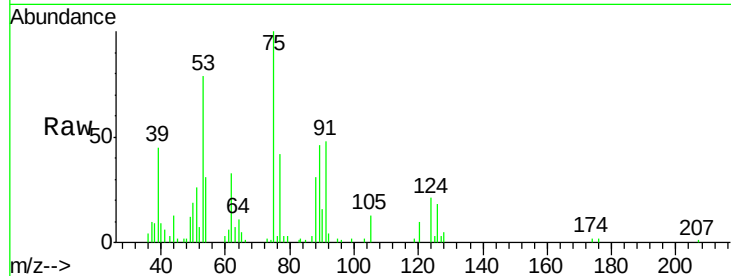
ClientSampled :

VF0301SBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 16214 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 78.8  | 53.7  | 80.5  |
| 89       | 46.2  | 41.6  | 62.4  |

Manual Integrations  
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3/4/2019 4:00:54 PM



#82

4-Chlorotoluene

Concen: 21.236 ug/l

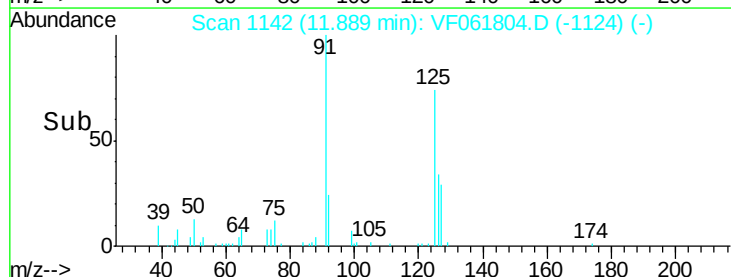
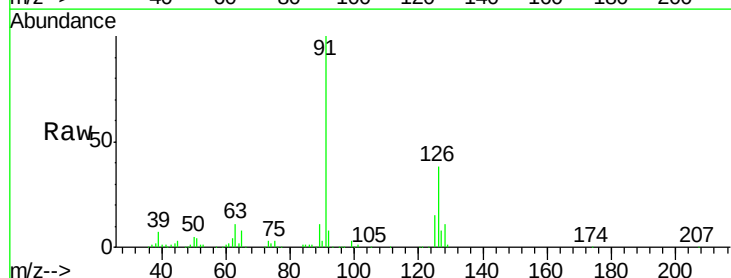
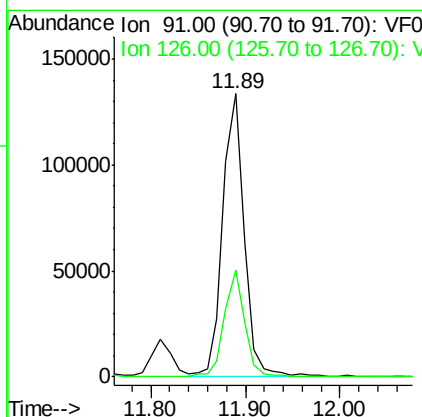
RT: 11.89 min Scan# 1142

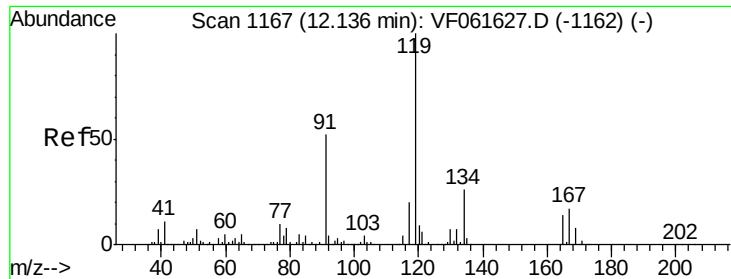
Delta R.T. -0.02 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 207372 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 37.6  | 19.1  | 57.1   |





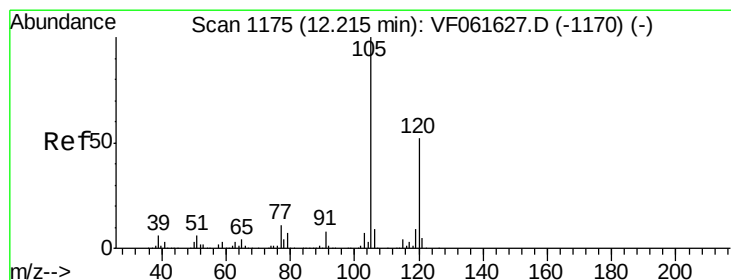
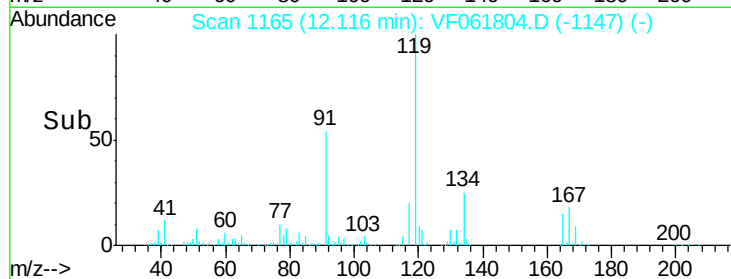
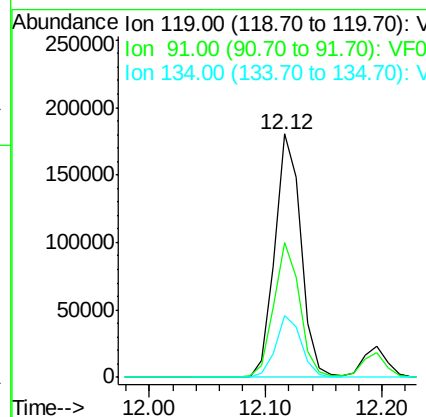
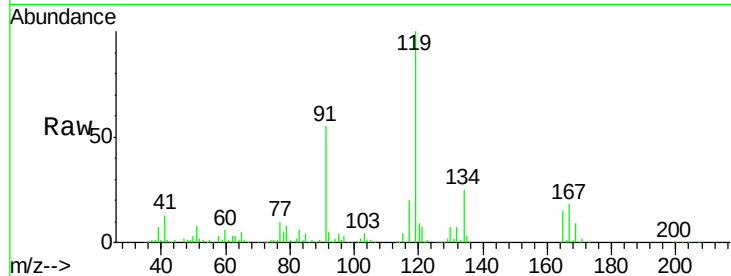
#83  
 tert-Butylbenzene  
 Concen: 21.725 ug/l  
 RT: 12.12 min Scan# 1165  
 Delta R.T. -0.02 min  
 Lab File: VF061804.D  
 Acq: 1 Mar 2019 15:55

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0301SBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 281531 |       |       |
| 91      | 55.2  | 26.3   | 78.8  |       |
| 134     | 25.3  | 12.9   | 38.7  |       |

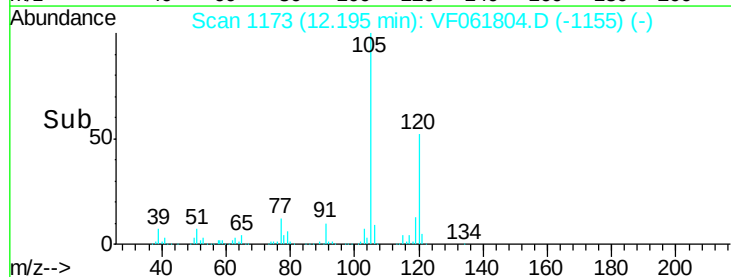
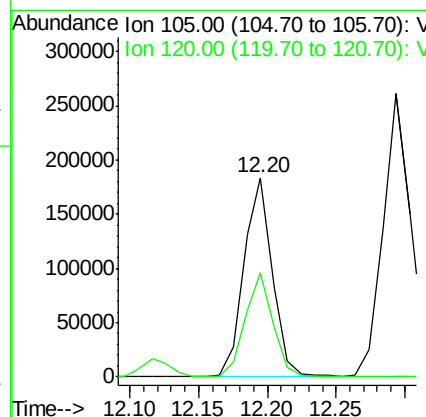
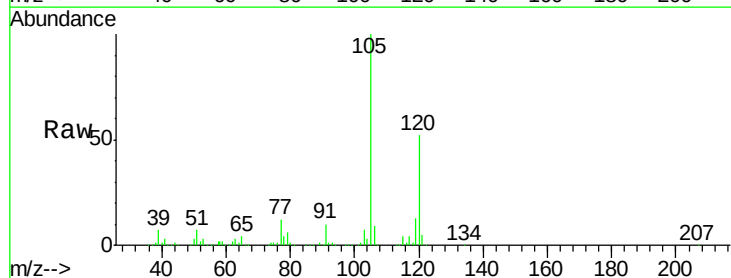
Manual Integrations  
 APPROVED

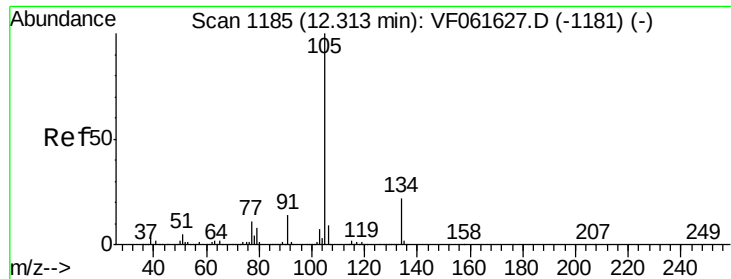
MMDadoda  
 3/4/2019 4:00:54 PM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 22.842 ug/l  
 RT: 12.20 min Scan# 1173  
 Delta R.T. -0.02 min  
 Lab File: VF061804.D  
 Acq: 1 Mar 2019 15:55

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 265509 |       |       |
| 120     | 52.3  | 26.1   | 78.3  |       |





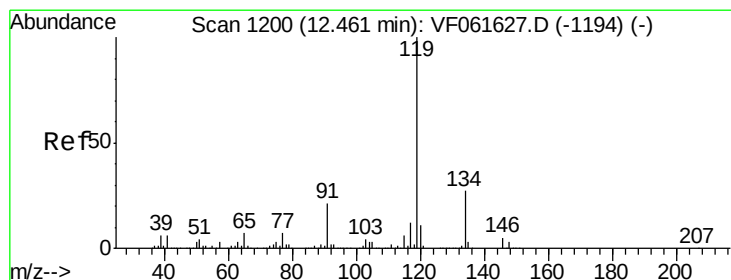
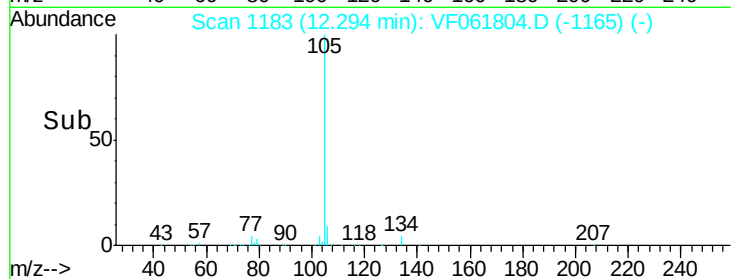
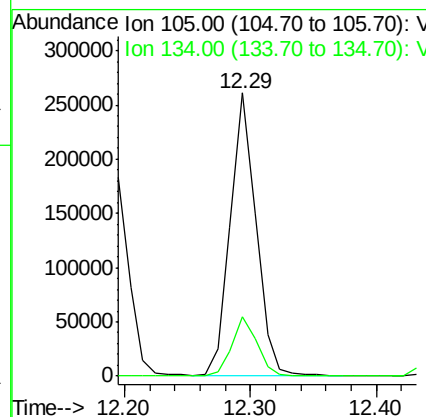
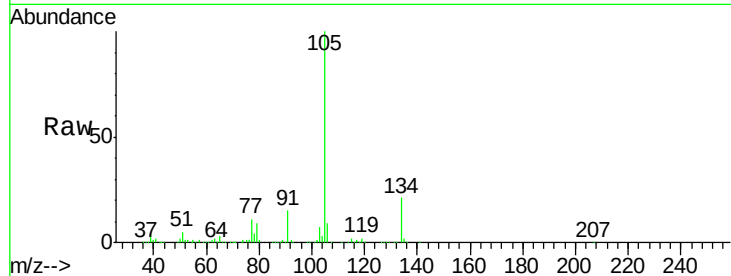
#85  
 sec-Butylbenzene  
 Concen: 22.030 ug/l  
 RT: 12.29 min Scan# 1183  
 Delta R.T. -0.02 min  
 Lab File: VF061804.D  
 Acq: 1 Mar 2019 15:55

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0301SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 21.1  | 10.8  | 32.4  |

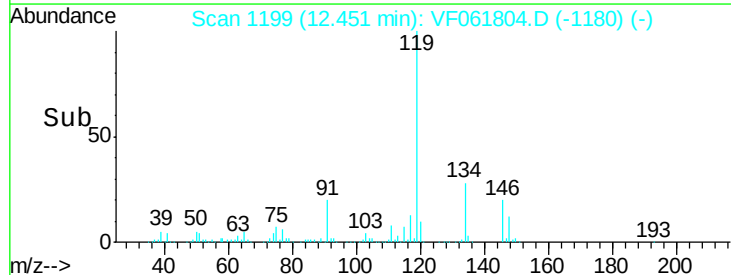
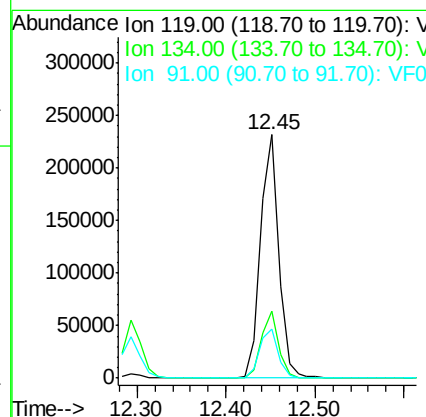
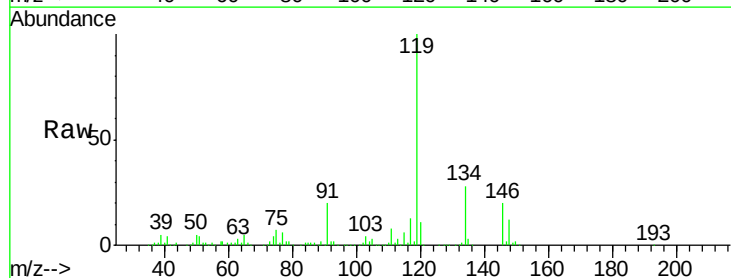
Manual Integrations  
 APPROVED

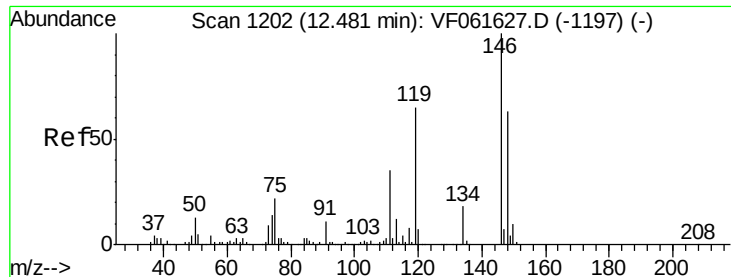
MMDadoda  
 3/4/2019 4:00:54 PM



#86  
 p-Isopropyltoluene  
 Concen: 23.092 ug/l  
 RT: 12.45 min Scan# 1199  
 Delta R.T. -0.01 min  
 Lab File: VF061804.D  
 Acq: 1 Mar 2019 15:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 27.6  | 13.7  | 41.1  |
| 91      | 20.1  | 10.8  | 32.4  |





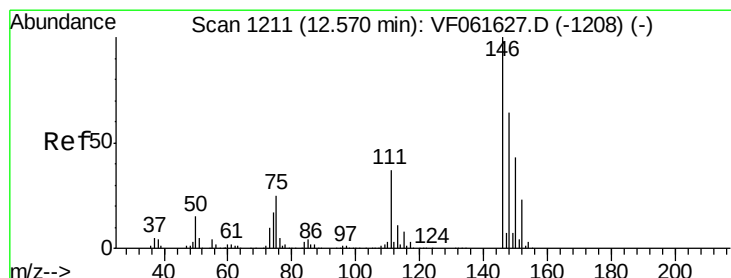
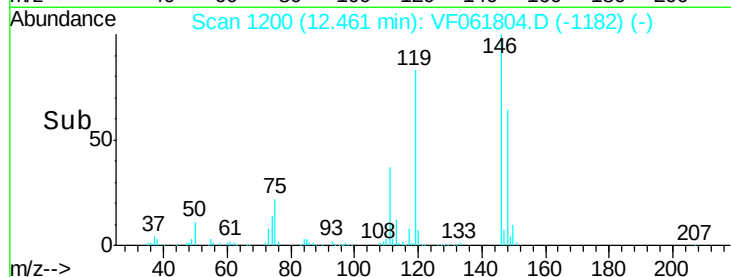
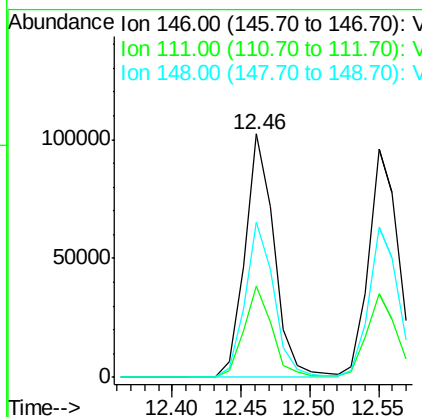
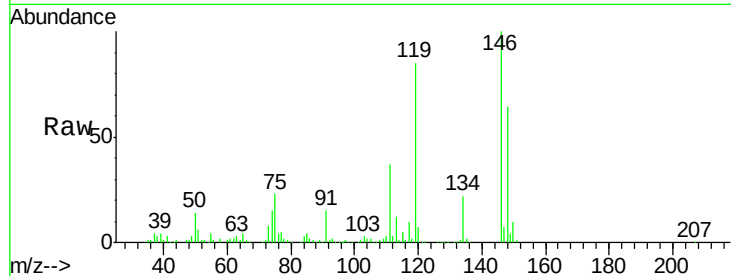
#87  
 1,3-Dichlorobenzene  
 Concen: 21.601 ug/l  
 RT: 12.46 min Scan# 1200  
 Delta R.T. -0.02 min  
 Lab File: VF061804.D  
 Acq: 1 Mar 2019 15:55

Instrument :  
 MSVOA\_F  
 ClientSampled :  
 VF0301SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 152293 |       |       |
| 111     | 37.5  | 17.5   | 52.6  |       |
| 148     | 63.9  | 31.4   | 94.3  |       |

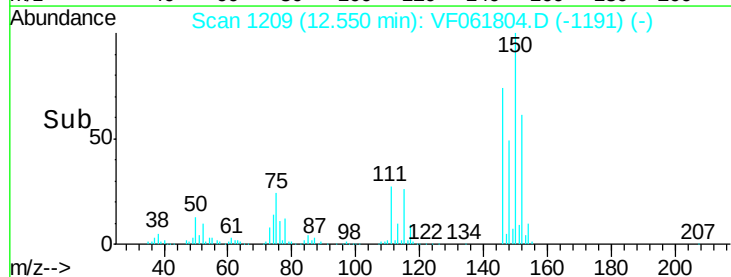
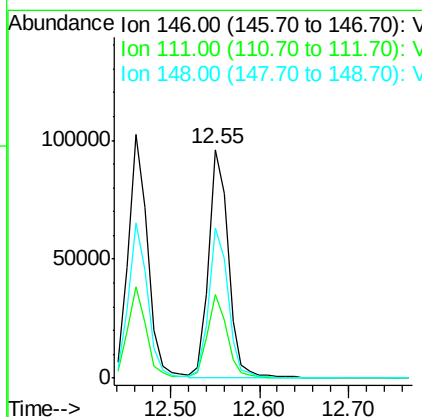
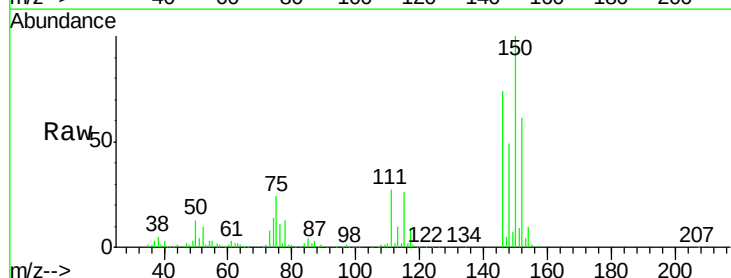
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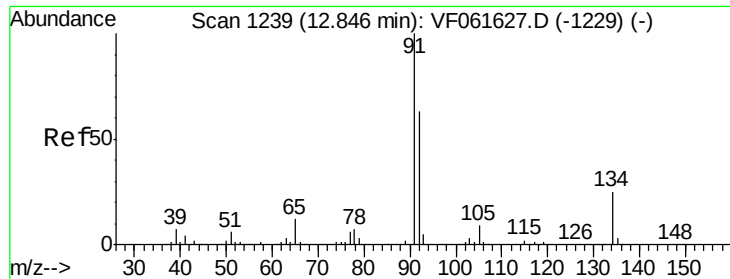


#88  
 1,4-Dichlorobenzene  
 Concen: 21.850 ug/l  
 RT: 12.55 min Scan# 1209  
 Delta R.T. -0.02 min  
 Lab File: VF061804.D  
 Acq: 1 Mar 2019 15:55

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 148150 |       |       |
| 111     | 36.4  | 18.4   | 55.4  |       |
| 148     | 65.4  | 32.2   | 96.6  |       |







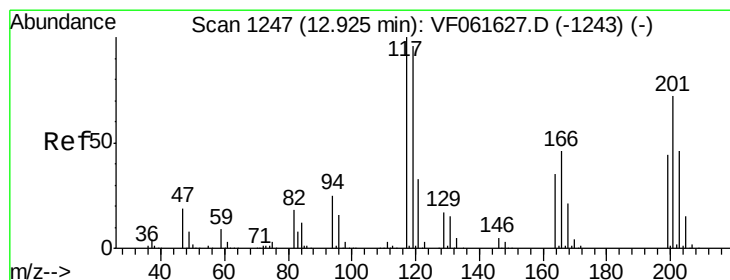
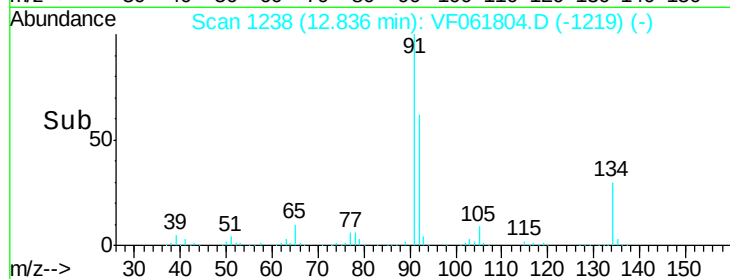
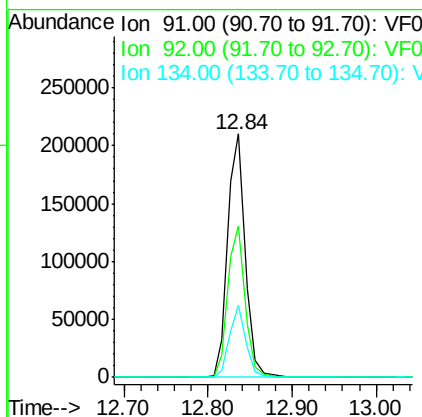
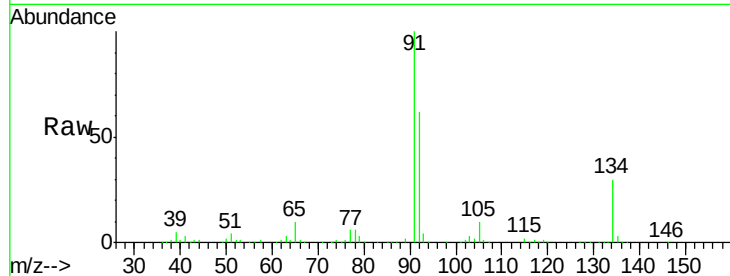
#89  
n-Butylbenzene  
Concen: 22.854 ug/l  
RT: 12.84 min Scan# 1238  
Delta R.T. -0.01 min  
Lab File: VF061804.D  
Acq: 1 Mar 2019 15:55

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0301SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 62.0  | 31.4  | 94.3  |
| 134     | 29.9  | 12.3  | 36.9  |

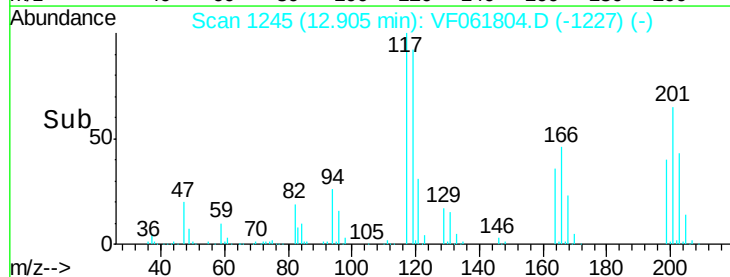
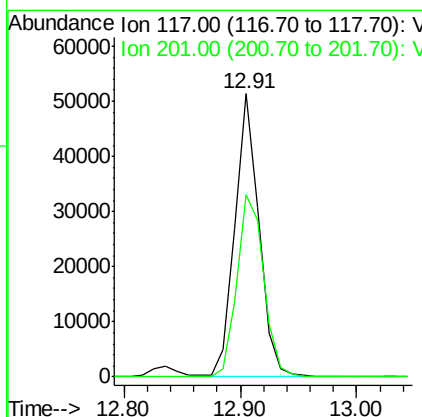
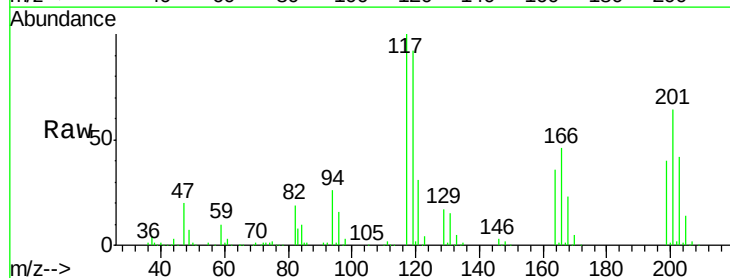
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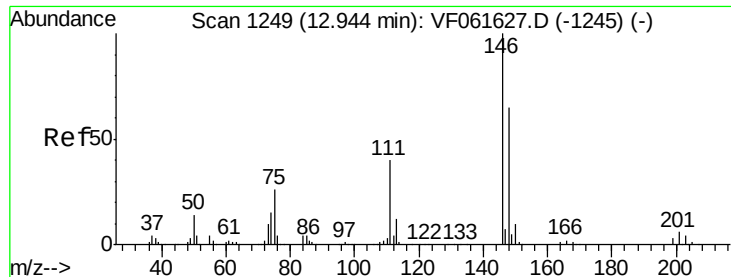
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#90  
Hexachloroethane  
Concen: 22.578 ug/l  
RT: 12.91 min Scan# 1245  
Delta R.T. -0.02 min  
Lab File: VF061804.D  
Acq: 1 Mar 2019 15:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 64.4  | 36.2  | 108.6 |





#91

1,2-Dichlorobenzene

Concen: 21.092 ug/l

RT: 12.93 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Instrument :

MSVOA\_F

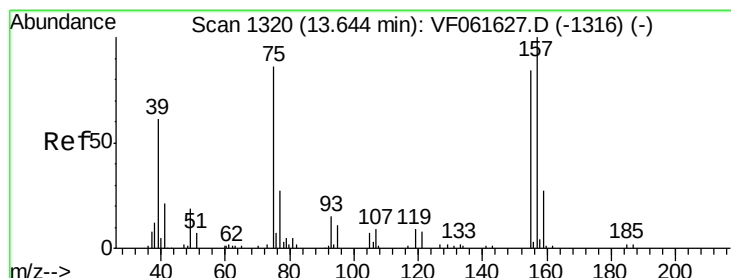
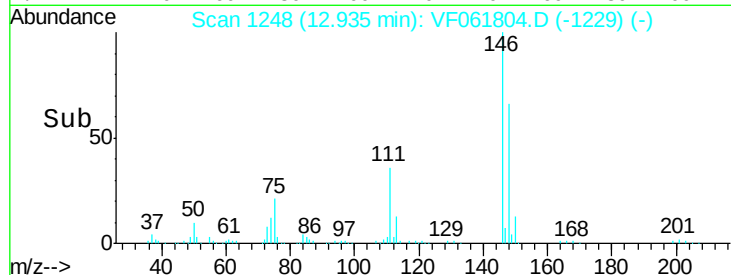
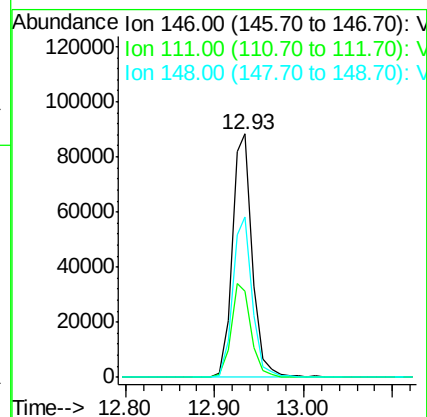
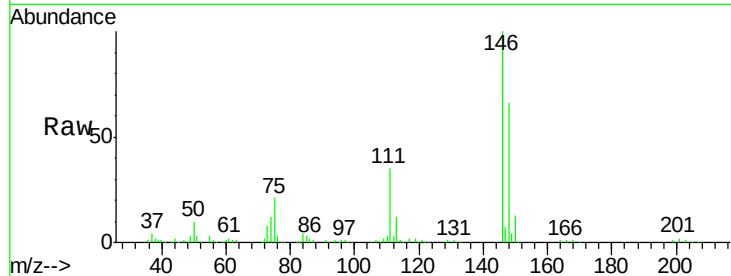
ClientSampleId :

VF0301SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 141445 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 35.4  | 20.2  | 60.5   |
| 148       | 65.8  | 32.3  | 96.9   |

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#92

1,2-Dibromo-3-Chloropropane

Concen: 17.648 ug/l

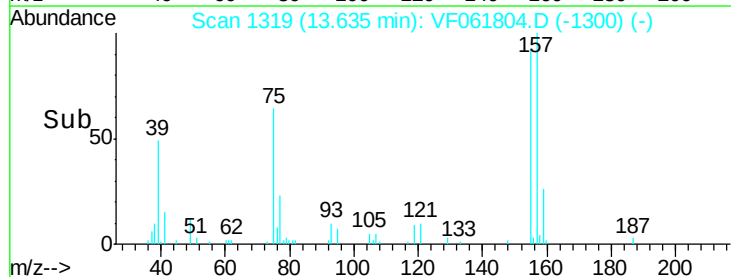
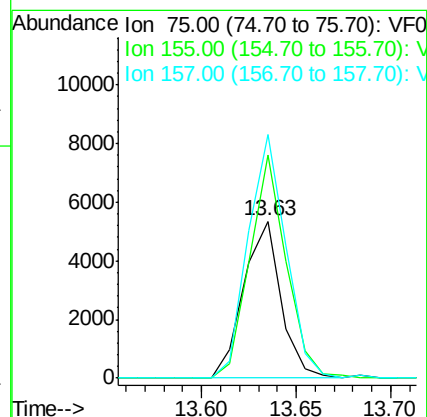
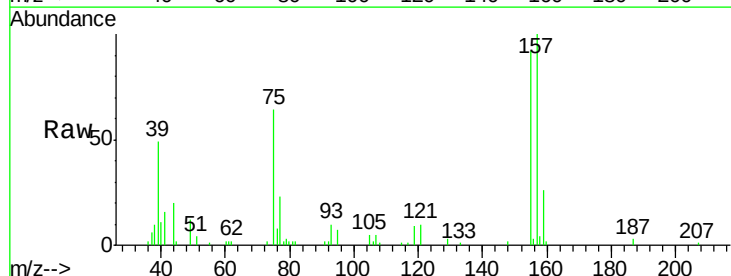
RT: 13.63 min Scan# 1319

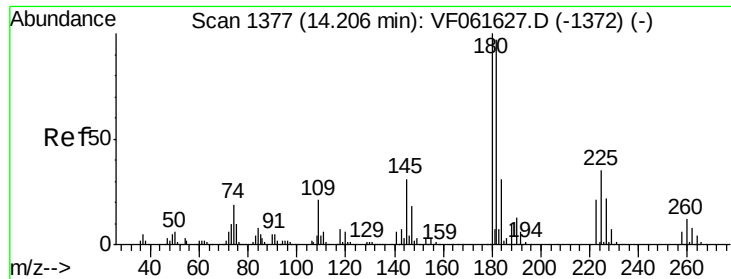
Delta R.T. -0.01 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 7338  |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 142.5 | 48.9  | 146.8 |
| 157       | 155.1 | 58.3  | 174.8 |





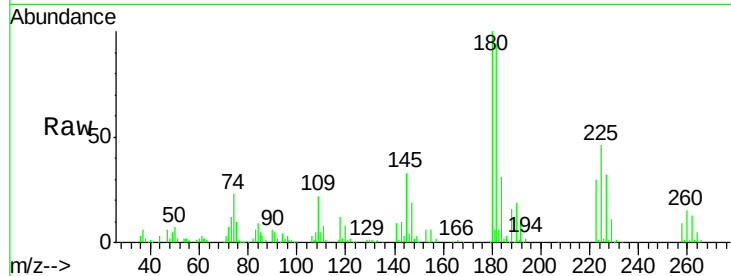
#93  
 1,2,4-Trichlorobenzene  
 Concen: 21.860 ug/l  
 RT: 14.19 min Scan# 1375  
 Delta R.T. -0.02 min  
 Lab File: VF061804.D  
 Acq: 1 Mar 2019 15:55

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0301SBSD01

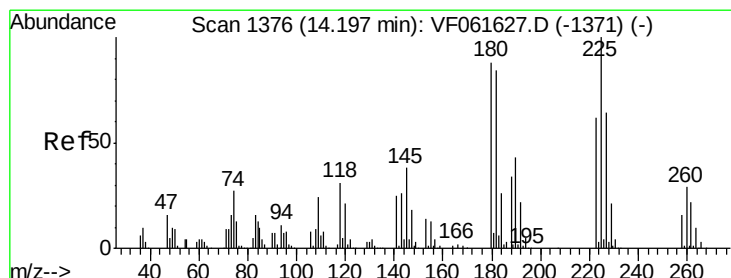
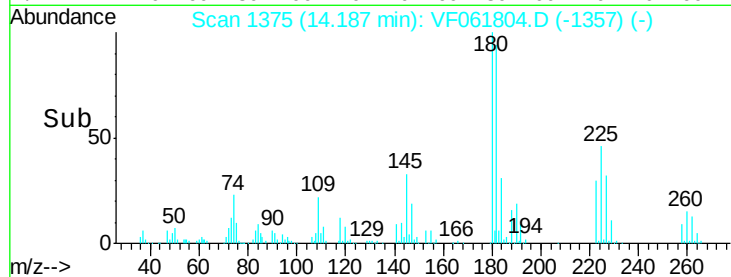
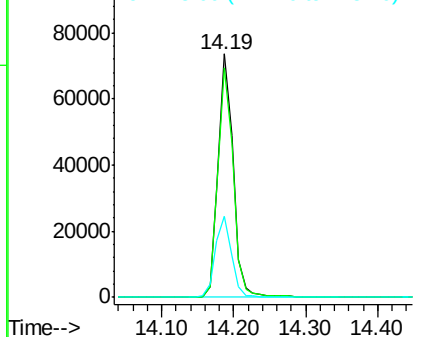
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 105073 |       |       |
| 182     | 94.2  | 48.6   | 145.9 |       |
| 145     | 33.1  | 15.3   | 45.9  |       |

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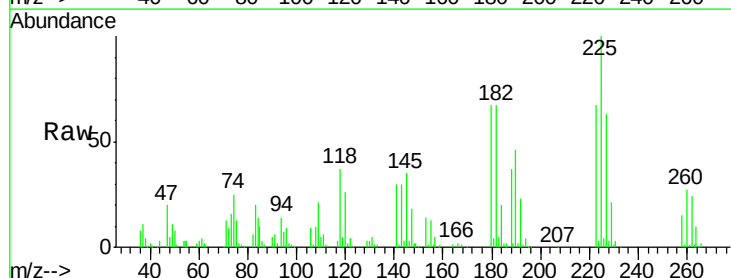


Abundance Ion 180.00 (179.70 to 180.70): V  
 Ion 182.00 (181.70 to 182.70): V  
 Ion 145.00 (144.70 to 145.70): V

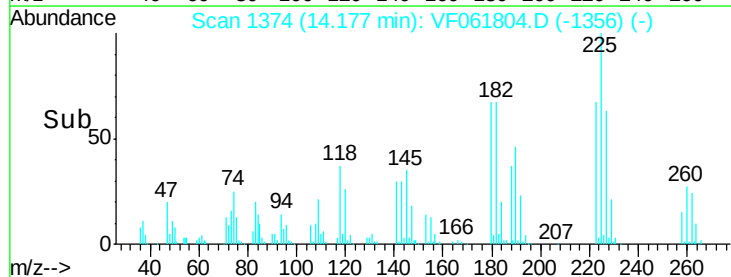
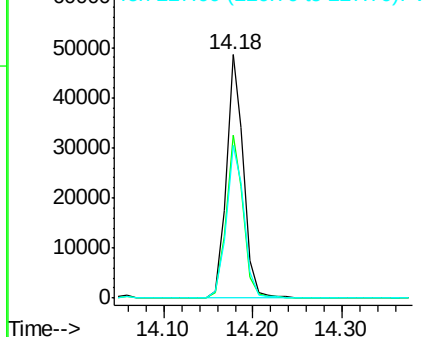


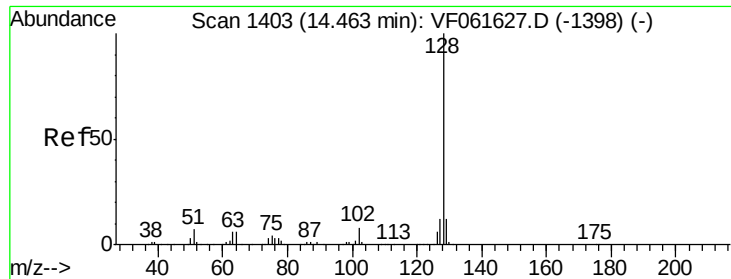
#94  
 Hexachlorobutadiene  
 Concen: 22.323 ug/l  
 RT: 14.18 min Scan# 1374  
 Delta R.T. -0.02 min  
 Lab File: VF061804.D  
 Acq: 1 Mar 2019 15:55

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 66267 |       |       |
| 223     | 67.0  | 30.9  | 92.7  |       |
| 227     | 62.6  | 32.1  | 96.3  |       |



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





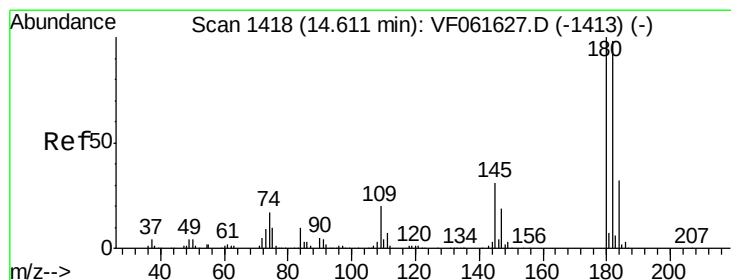
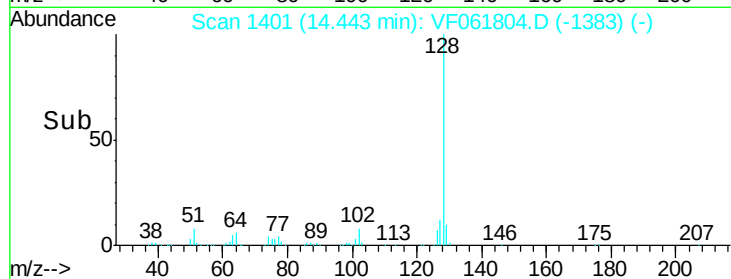
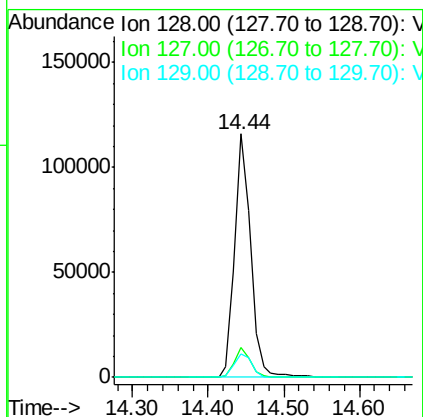
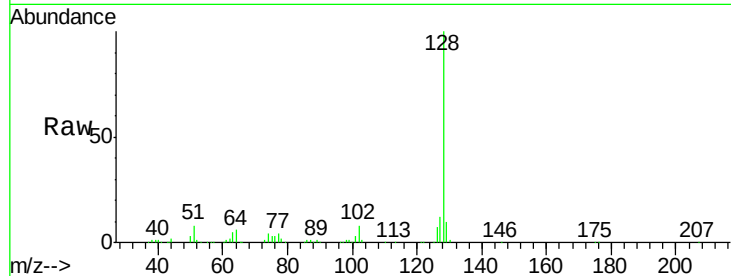
#95  
Naphthalene  
Concen: 20.110 ug/l  
RT: 14.44 min Scan# 1401  
Delta R.T. -0.02 min  
Lab File: VF061804.D  
Acq: 1 Mar 2019 15:55

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0301SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 169127 |       |       |
| 127     | 12.2  | 9.8    | 14.6  |       |
| 129     | 9.6   | 9.4    | 14.2  |       |

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#96  
1,2,3-Trichlorobenzene  
Concen: 21.245 ug/l  
RT: 14.59 min Scan# 1416  
Delta R.T. -0.02 min  
Lab File: VF061804.D  
Acq: 1 Mar 2019 15:55

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 93728 |       |       |
| 182     | 92.7  | 49.0  | 147.2 |       |
| 145     | 32.4  | 15.4  | 46.1  |       |

