

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081418\  
 Data File : VF059962.D  
 Acq On : 15 Aug 2018 00:14  
 Operator : VA/AP  
 Sample : VF0814SBS01  
 Misc : 5.00µg/5mL/MSVOA F/SOIL  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0814SBS01

Manual Integrations  
 APPROVED

apatel  
 8/16/2018 12:17:12 PM

Quant Time: Aug 15 11:22:09 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F081418S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 15 09:20:23 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.06  | 168  | 136028   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.78  | 114  | 182423   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.94  | 117  | 176939   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.64 | 152  | 111192   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 5.03   | 65  | 115170   | 48.43 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.86%  |      |
| 35) Dibromofluoromethane  | 4.31   | 113 | 90738    | 49.64 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.28%  |      |
| 50) Toluene-d8            | 7.72   | 98  | 203277   | 50.43 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.86% |      |
| 62) 4-Bromofluorobenzene  | 11.52  | 95  | 102447   | 46.27 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 92.54%  |      |

## Target Compounds

|                               |      |     |        |        |        | Qvalue |
|-------------------------------|------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 0.99 | 85  | 38686  | 19.19  | ug/l   | 92     |
| 3) Chloromethane              | 1.09 | 50  | 18406  | 21.43  | ug/l   | 89     |
| 4) Vinyl Chloride             | 1.16 | 62  | 21623  | 21.92  | ug/l   | 99     |
| 5) Bromomethane               | 1.35 | 94  | 17008  | 19.16  | ug/l   | 89     |
| 6) Chloroethane               | 1.44 | 64  | 13441  | 20.99  | ug/l   | 98     |
| 7) Trichlorofluoromethane     | 1.53 | 101 | 53198m | 18.46  | ug/l   |        |
| 8) Diethyl Ether              | 1.71 | 74  | 8660   | 21.85  | ug/l   | 74     |
| 9) 1,1,2-Trichlorotrifluoroet | 1.91 | 101 | 26428  | 18.17  | ug/l   | 97     |
| 10) Methyl Iodide             | 1.98 | 142 | 46580  | 20.51  | ug/l   | 91     |
| 11) Tert butyl alcohol        | 2.70 | 59  | 8814   | 93.29  | ug/l # | 93     |
| 12) 1,1-Dichloroethene        | 1.87 | 96  | 22250  | 20.64  | ug/l   | 86     |
| 13) Acrolein                  | 2.10 | 56  | 3332   | 71.91  | ug/l   | 91     |
| 14) Allyl chloride            | 2.19 | 41  | 33195  | 21.64  | ug/l   | 96     |
| 15) Acrylonitrile             | 3.09 | 53  | 14450  | 100.89 | ug/l   | 95     |
| 16) Acetone                   | 2.34 | 43  | 40124  | 85.00  | ug/l   | 99     |
| 17) Carbon Disulfide          | 1.89 | 76  | 57689  | 20.89  | ug/l # | 91     |
| 18) Methyl Acetate            | 2.46 | 43  | 12680  | 19.32  | ug/l   | 98     |
| 19) Methyl tert-butyl Ether   | 2.55 | 73  | 61591  | 19.89  | ug/l   | 94     |
| 20) Methylene Chloride        | 2.28 | 84  | 23602m | 20.63  | ug/l   |        |
| 21) trans-1,2-Dichloroethene  | 2.42 | 96  | 21624  | 20.63  | ug/l   | 97     |
| 22) Diisopropyl ether         | 2.93 | 45  | 73263  | 20.77  | ug/l   | 96     |
| 23) Vinyl Acetate             | 3.35 | 43  | 185287 | 105.81 | ug/l   | 97     |
| 24) 1,1-Dichloroethane        | 3.01 | 63  | 49746  | 19.95  | ug/l   | 98     |
| 25) 2-Butanone                | 4.53 | 43  | 46333  | 97.06  | ug/l   | 96     |
| 26) 2,2-Dichloropropane       | 3.77 | 77  | 31124  | 19.19  | ug/l   | 97     |
| 27) cis-1,2-Dichloroethene    | 3.64 | 96  | 24507  | 21.16  | ug/l   | 98     |
| 28) Bromochloromethane        | 3.90 | 49  | 17797  | 19.17  | ug/l   | 83     |
| 29) Tetrahydrofuran           | 4.27 | 42  | 17446  | 106.39 | ug/l   | 100    |
| 30) Chloroform                | 4.06 | 83  | 69240  | 20.22  | ug/l   | 97     |
| 31) Cyclohexane               | 3.88 | 56  | 25138m | 20.16  | ug/l   |        |
| 32) 1,1,1-Trichloroethane     | 4.29 | 97  | 55791  | 19.82  | ug/l   | 97     |
| 36) 1,1-Dichloropropene       | 4.48 | 75  | 41633  | 20.54  | ug/l   | 92     |
| 37) Ethyl Acetate             | 4.30 | 43  | 20254  | 23.36  | ug/l   | 87     |
| 38) Carbon Tetrachloride      | 4.20 | 117 | 67609  | 20.04  | ug/l   | 93     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081418\  
 Data File : VF059962.D  
 Acq On : 15 Aug 2018 00:14  
 Operator : VA/AP  
 Sample : VF0814SBSD01  
 Misc : 5.00µ/5mL/MSVOA F/SOIL  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleID :  
 VF0814SBSD01

Manual Integrations  
 APPROVED

apatel  
 8/16/2018 12:17:12 PM

Quant Time: Aug 15 11:22:09 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F081418S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 15 09:20:23 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 5.64  | 83   | 34097    | 23.15  | ug/l   | 96       |
| 40) Benzene                    | 4.83  | 78   | 75079    | 21.89  | ug/l   | 95       |
| 41) Methacrylonitrile          | 4.93  | 41   | 8429     | 19.71  | ug/l # | 81       |
| 42) 1,2-Dichloroethane         | 5.13  | 62   | 55613    | 20.41  | ug/l   | 94       |
| 43) Isopropyl Acetate          | 7.13  | 43   | 18725    | 19.81  | ug/l # | 86       |
| 44) Trichloroethene            | 5.69  | 130  | 29638    | 22.45  | ug/l   | 93       |
| 45) 1,2-Dichloropropane        | 6.42  | 63   | 19040    | 20.99  | ug/l # | 85       |
| 46) Dibromomethane             | 6.27  | 93   | 17162    | 19.17  | ug/l # | 88       |
| 47) Bromodichloromethane       | 6.57  | 83   | 52870    | 20.47  | ug/l   | 93       |
| 48) Methyl methacrylate        | 6.90  | 41   | 13744    | 19.52  | ug/l   | 89       |
| 49) 1,4-Dioxane                | 6.89  | 88   | 2309     | 433.67 | ug/l # | 87       |
| 51) 4-Methyl-2-Pentanone       | 8.42  | 43   | 96405    | 105.27 | ug/l   | 99       |
| 52) Toluene                    | 7.79  | 92   | 51441    | 20.25  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 8.44  | 75   | 42804    | 20.26  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 7.48  | 75   | 41752    | 20.53  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 8.66  | 97   | 18250    | 21.02  | ug/l   | 92       |
| 56) Ethyl methacrylate         | 8.78  | 69   | 18048    | 19.35  | ug/l   | 94       |
| 57) 1,3-Dichloropropane        | 9.02  | 76   | 31964    | 19.99  | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether  | 7.79  | 63   | 11744    | 93.59  | ug/l   | 100      |
| 59) 2-Hexanone                 | 9.65  | 43   | 67270    | 100.71 | ug/l   | 99       |
| 60) Dibromochloromethane       | 8.88  | 129  | 33641    | 19.58  | ug/l   | 94       |
| 61) 1,2-Dibromoethane          | 9.15  | 107  | 21946    | 20.26  | ug/l   | 89       |
| 64) Tetrachloroethene          | 8.33  | 164  | 28779    | 20.89  | ug/l   | 98       |
| 65) Chlorobenzene              | 9.96  | 112  | 70254    | 20.56  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.09 | 131  | 33090    | 20.03  | ug/l   | 91       |
| 67) Ethyl Benzene              | 10.06 | 91   | 129380   | 21.43  | ug/l   | 99       |
| 68) m/p-Xylenes                | 10.29 | 106  | 85144    | 41.94  | ug/l   | 96       |
| 69) o-Xylene                   | 10.84 | 106  | 49788    | 22.58  | ug/l   | 83       |
| 70) Styrene                    | 10.92 | 104  | 70534    | 21.62  | ug/l   | 96       |
| 71) Bromoform                  | 10.91 | 173  | 21418    | 20.85  | ug/l   | 93       |
| 73) Isopropylbenzene           | 11.24 | 105  | 153899   | 22.01  | ug/l   | 98       |
| 74) N-amyl acetate             | 11.48 | 43   | 31960    | 20.74  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.80 | 83   | 25361    | 21.57  | ug/l   | 95       |
| 76) 1,2,3-Trichloropropane     | 11.89 | 75   | 20705    | 20.43  | ug/l   | 86       |
| 77) Bromobenzene               | 11.61 | 156  | 39138    | 21.33  | ug/l   | 95       |
| 78) n-propylbenzene            | 11.70 | 91   | 181997   | 22.18  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 11.83 | 91   | 111956   | 21.77  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene     | 11.92 | 105  | 143082   | 21.97  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 11.97 | 75   | 7875m    | 19.01  | ug/l   |          |
| 82) 4-Chlorotoluene            | 12.00 | 91   | 115734   | 20.40  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.23 | 119  | 146390   | 22.82  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 12.30 | 105  | 143501   | 21.86  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 12.40 | 105  | 180362   | 22.07  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 12.55 | 119  | 157919   | 21.93  | ug/l   | 95       |
| 87) 1,3-Dichlorobenzene        | 12.56 | 146  | 74655    | 21.45  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 12.66 | 146  | 73526    | 21.45  | ug/l   | 96       |
| 89) n-Butylbenzene             | 12.93 | 91   | 147616   | 21.28  | ug/l   | 97       |
| 90) Hexachloroethane           | 13.01 | 117  | 40157    | 22.53  | ug/l   | 91       |
| 91) 1,2-Dichlorobenzene        | 13.03 | 146  | 73111    | 21.66  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.73 | 75   | 6431     | 20.19  | ug/l   | 97       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF081418\  
Data File : VF059962.D  
Acq On : 15 Aug 2018 00:14  
Operator : VA/AP  
Sample : VF0814SBSD01  
Misc : 5.00µ/5mL/MSVOA F/SOIL  
ALS Vial : 43 Sample Multiplier: 1

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0814SBSD01

Manual Integrations  
APPROVED

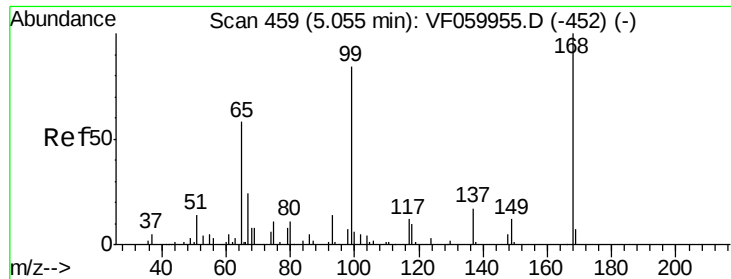
apatel  
8/16/2018 12:17:12 PM

Quant Time: Aug 15 11:22:09 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F081418S.M  
Quant Title : SW846 8260  
QLast Update : Wed Aug 15 09:20:23 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.28 | 180  | 59531    | 22.00 | ug/l  | 93       |
| 94) Hexachlorobutadiene    | 14.27 | 225  | 42852    | 22.15 | ug/l  | 98       |
| 95) Naphthalene            | 14.54 | 128  | 89372    | 20.23 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.68 | 180  | 53740    | 20.81 | ug/l  | 96       |

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.06 min Scan# 460

Delta R.T. 0.01 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Instrument :

MSVOA\_F

ClientSampleId :

VF0814SBS01

Tot Ion:168 Resp: 136028

Ion Ratio Lower Upper

168 100

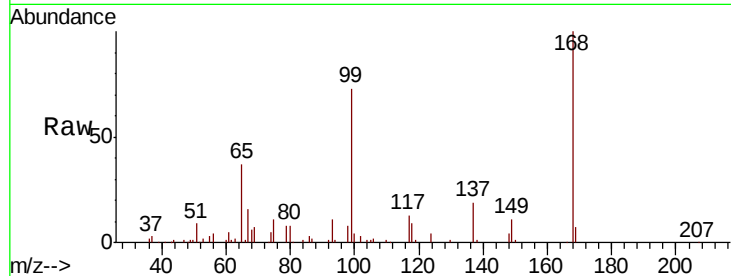
99 72.6 67.4 101.0

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

40000

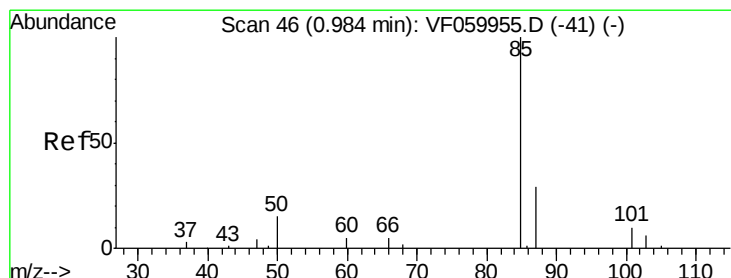
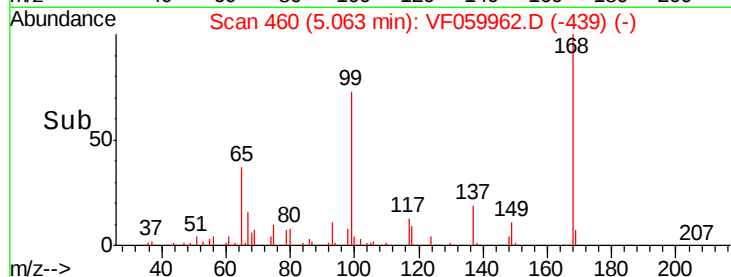
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.19 ug/l

RT: 0.99 min Scan# 47

Delta R.T. 0.01 min

Lab File: VF059962.D

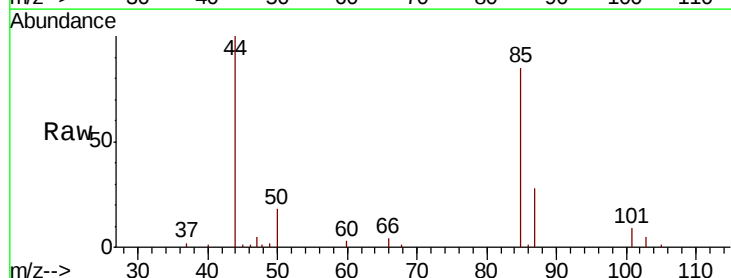
Acq: 15 Aug 2018 00:14

Tgt Ion: 85 Resp: 38686

Ion Ratio Lower Upper

85 100

87 33.1 14.4 43.4



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

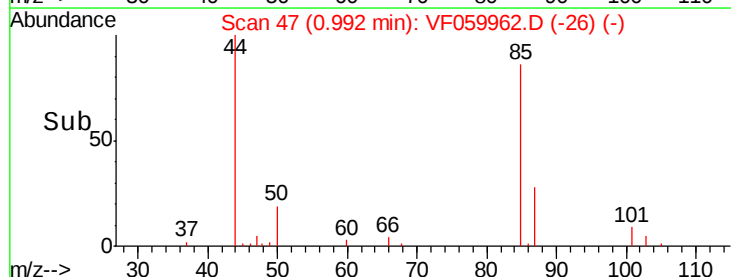
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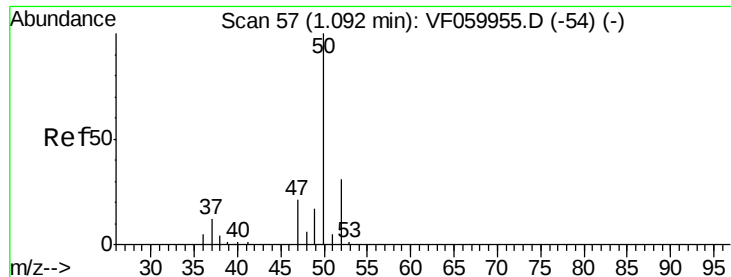
10000

5000

0

Time-->





#3

Chloromethane

Concen: 21.43 ug/l

RT: 1.09 min Scan# 57

Delta R.T. -0.00 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Instrument :

MSVOA\_F

ClientSampleId :

VF0814SBSD01

Tot Ion: 50 Resp: 18406

Ion Ratio Lower Upper

50 100

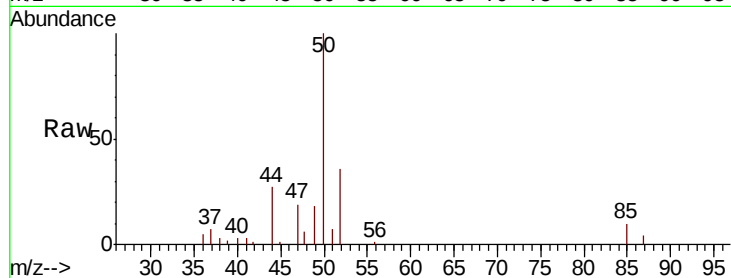
52 36.1 24.2 36.2

Manual Integrations

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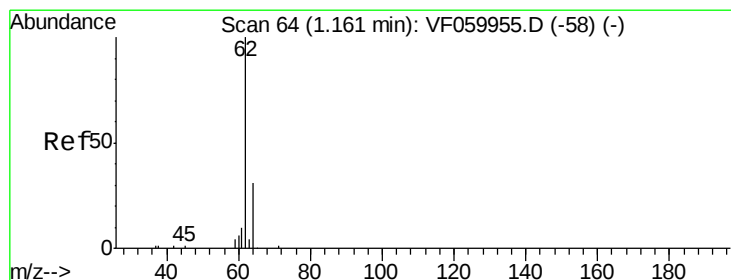
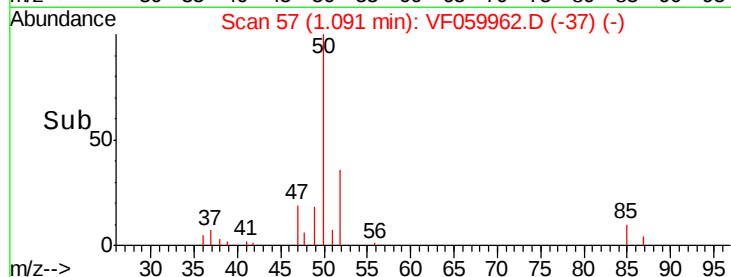
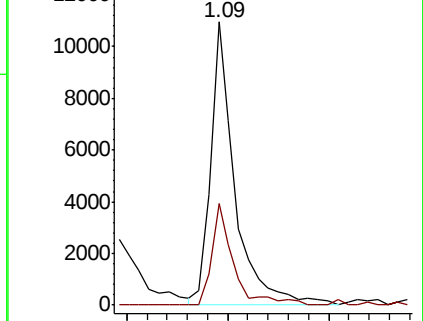
apatel

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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 21.92 ug/l

RT: 1.16 min Scan# 64

Delta R.T. -0.00 min

Lab File: VF059962.D

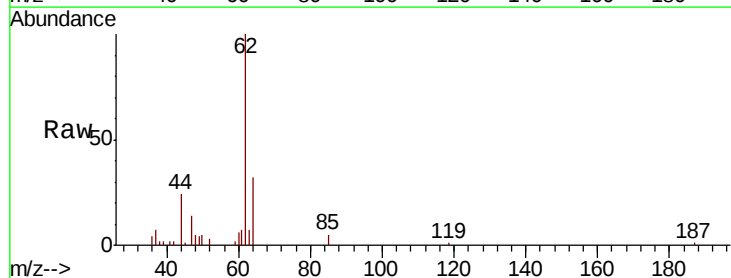
Acq: 15 Aug 2018 00:14

Tgt Ion: 62 Resp: 21623

Ion Ratio Lower Upper

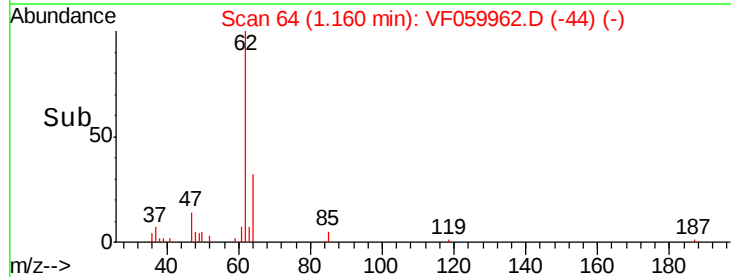
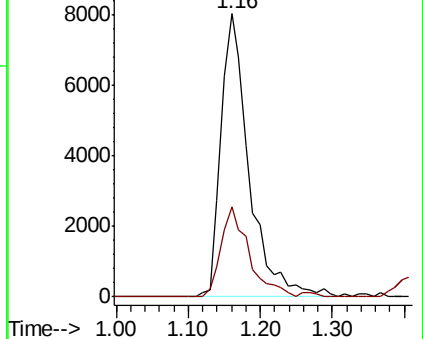
62 100

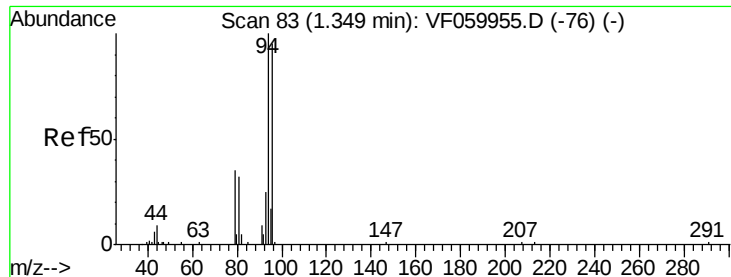
64 31.7 24.7 37.1



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 19.16 ug/l

RT: 1.35 min Scan# 83

Delta R.T. -0.00 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Instrument :

MSVOA\_F

ClientSampleId :

VF0814SBS01

Tot Ion: 94 Resp: 17008

Ion Ratio Lower Upper

94 100

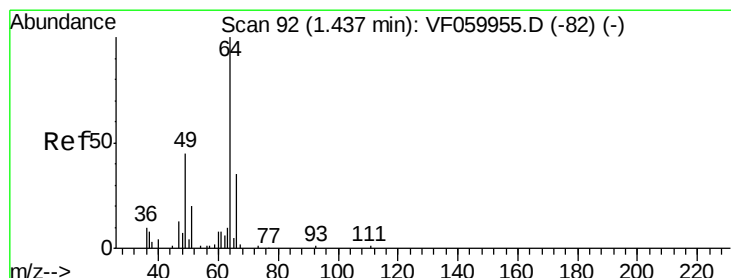
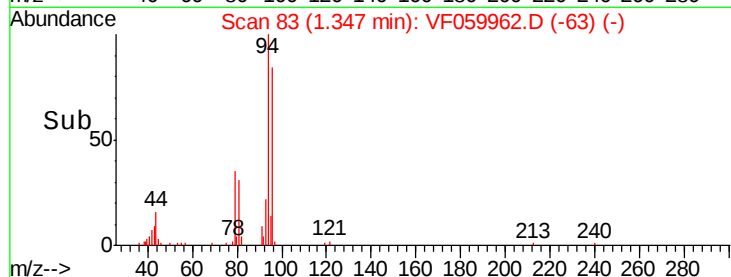
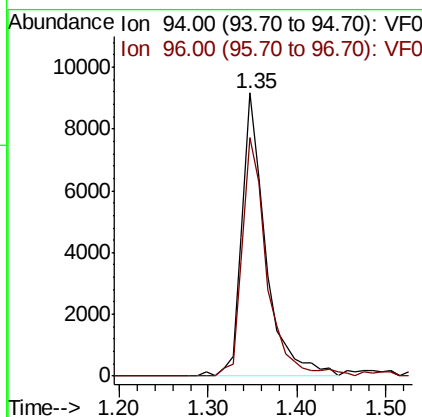
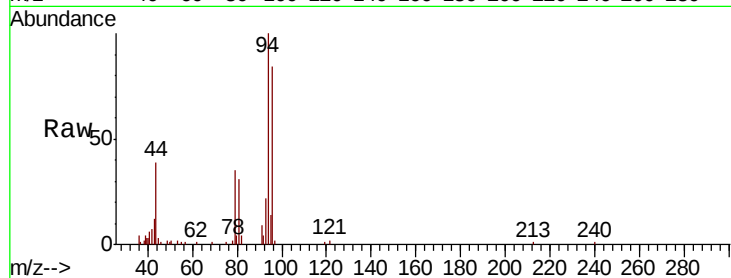
96 84.3 76.3 114.5

Manual Integrations

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8/16/2018 12:17:12 PM



#6

Chloroethane

Concen: 20.99 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.00 min

Lab File: VF059962.D

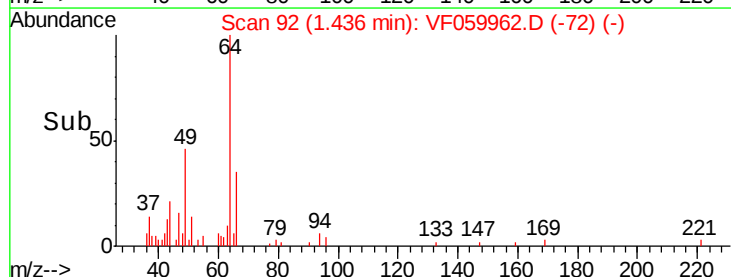
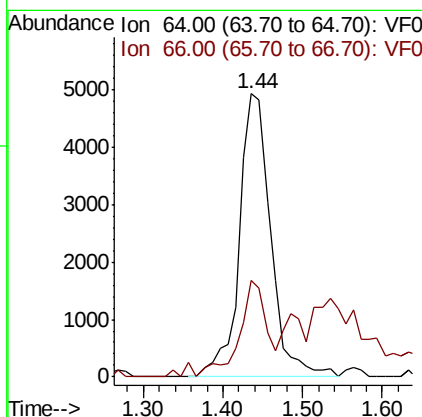
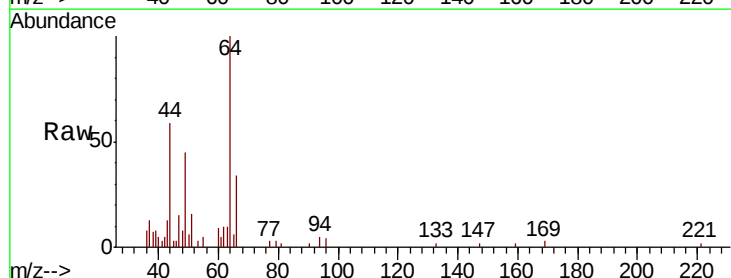
Acq: 15 Aug 2018 00:14

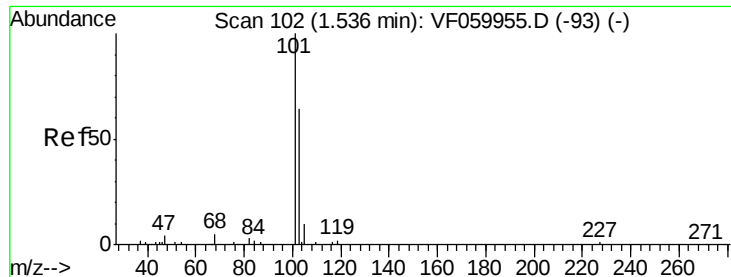
Tgt Ion: 64 Resp: 13441

Ion Ratio Lower Upper

64 100

66 34.0 28.2 42.2





#7

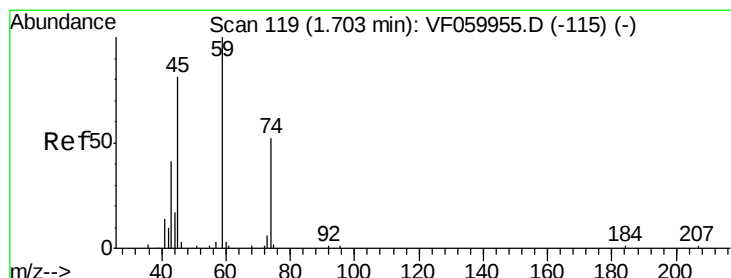
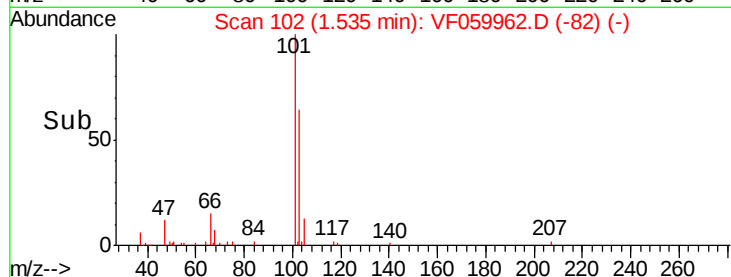
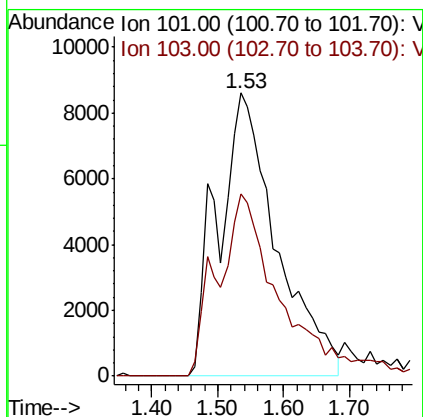
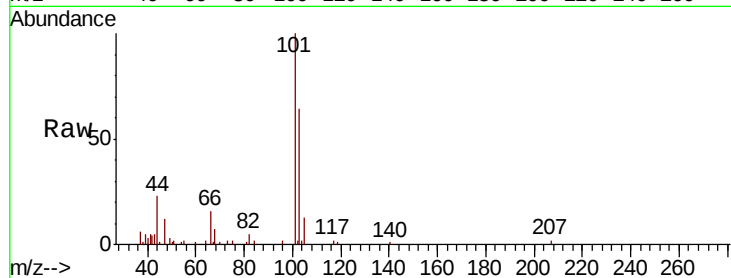
Trichlorofluoromethane  
Concen: 18.46 ug/l m  
RT: 1.53 min Scan# 102  
Delta R.T. -0.00 min  
Lab File: VF059962.D  
Acq: 15 Aug 2018 00:14

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0814SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.3  | 51.6  | 77.4  |

Manual Integrations  
APPROVED

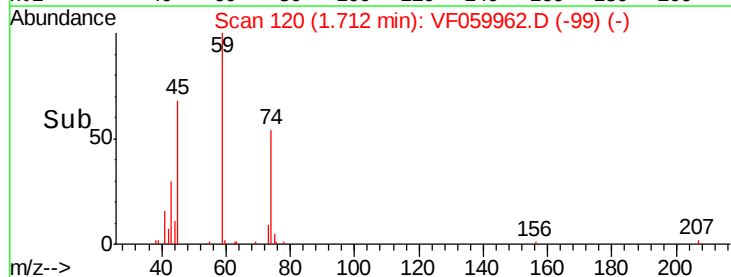
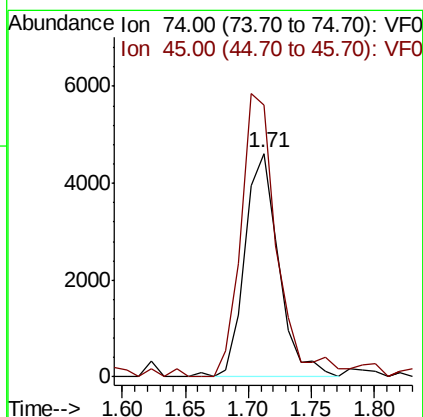
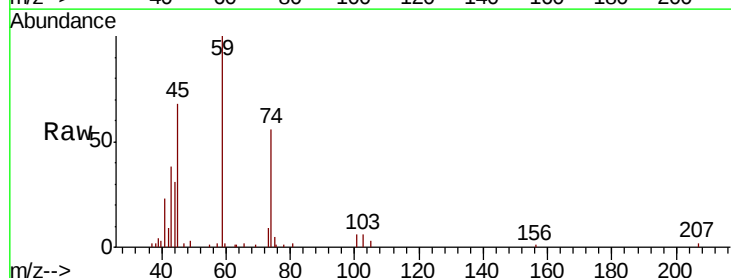
apatel  
8/16/2018 12:17:12 PM

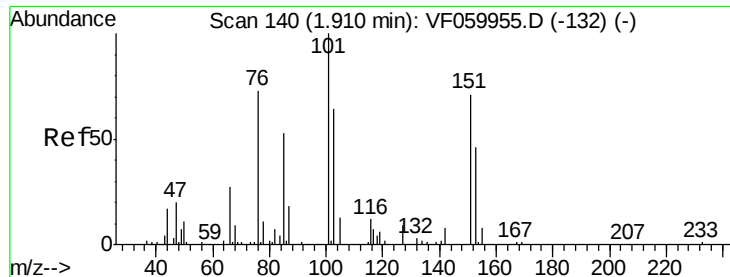


#8

Diethyl Ether  
Concen: 21.85 ug/l  
RT: 1.71 min Scan# 120  
Delta R.T. 0.01 min  
Lab File: VF059962.D  
Acq: 15 Aug 2018 00:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 121.6 | 77.5  | 232.6 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.17 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Instrument :

MSVOA\_F

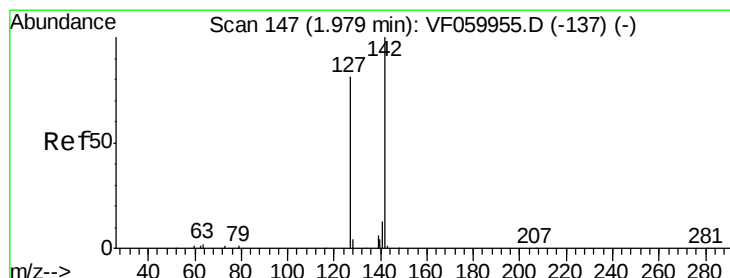
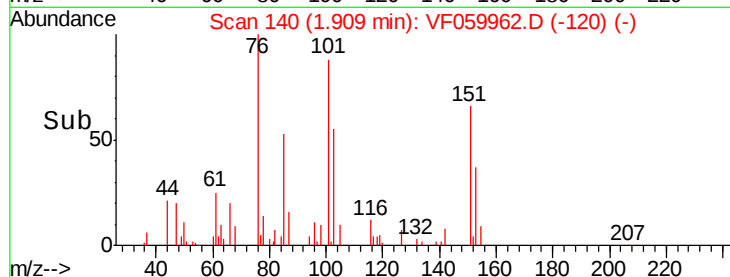
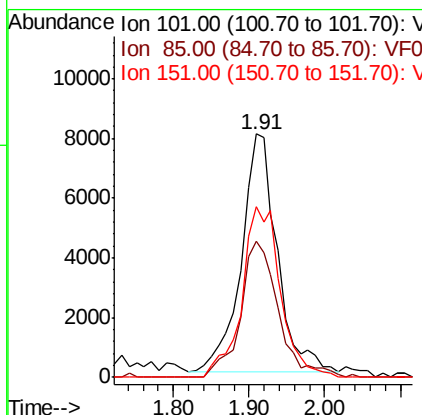
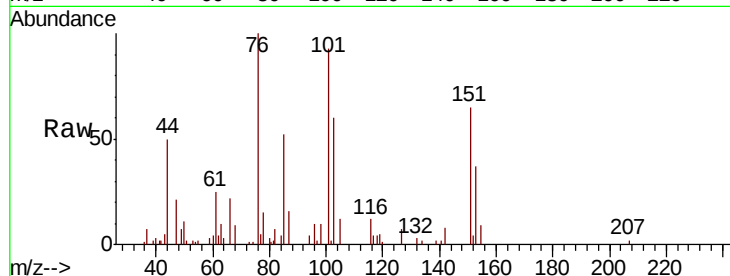
ClientSampleId :

VF0814SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 26428 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 55.7  | 42.1  | 63.1  |
| 151       | 70.0  | 55.4  | 83.0  |

Manual Integrations  
APPROVED

apatel  
8/16/2018 12:17:12 PM



#10

Methyl Iodide

Concen: 20.51 ug/l

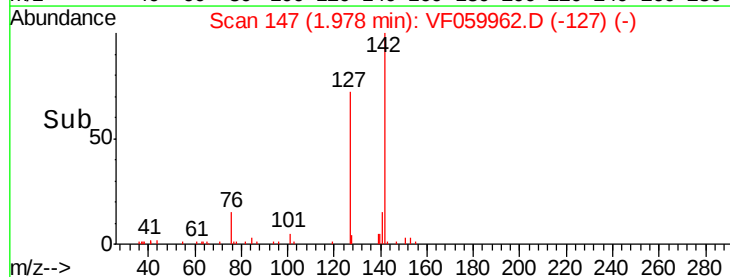
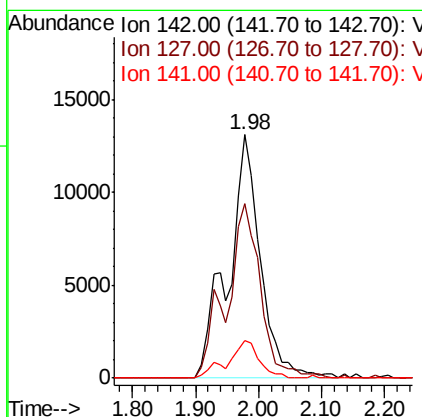
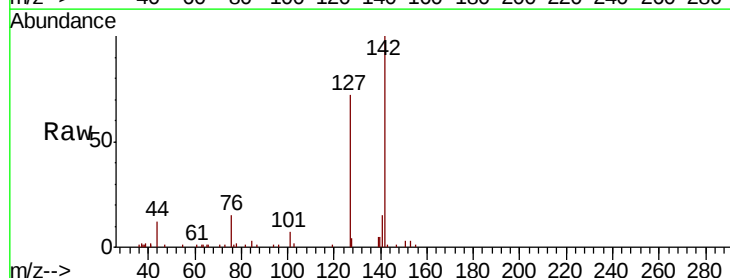
RT: 1.98 min Scan# 147

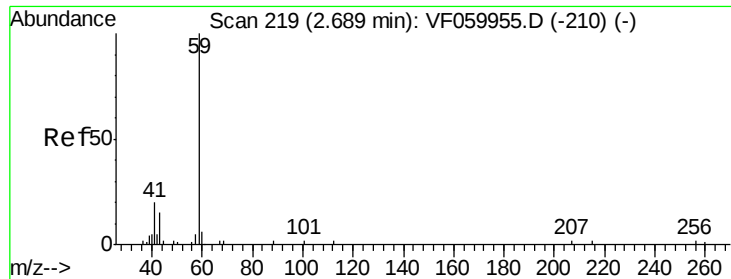
Delta R.T. -0.00 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 46580 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 71.7  | 64.5  | 96.7  |
| 141       | 15.2  | 10.8  | 16.2  |





#11

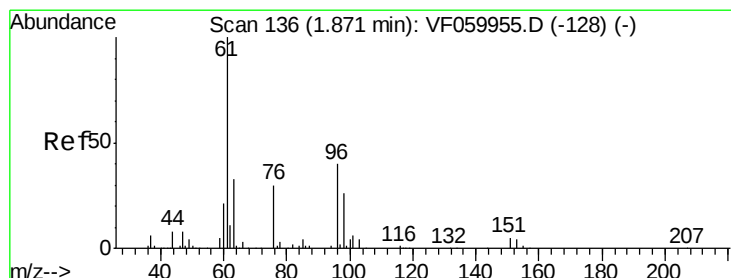
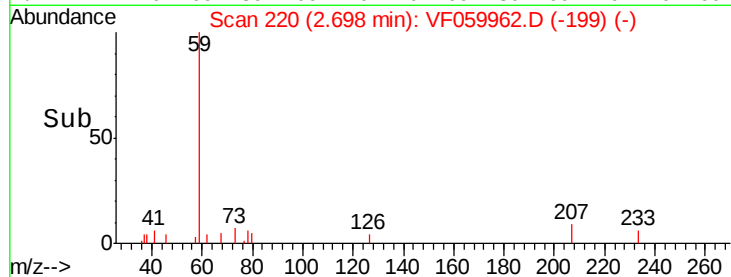
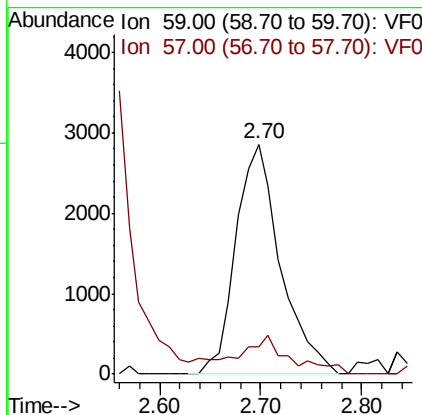
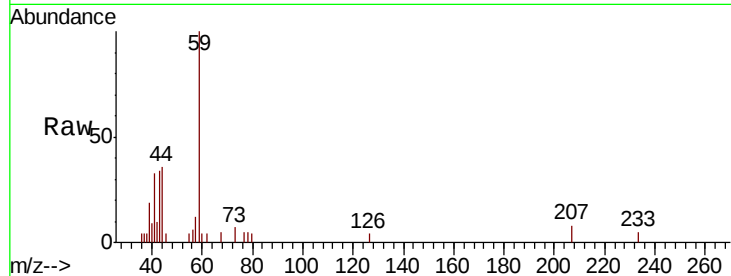
Tert butyl alcohol  
Concen: 93.29 ug/l  
RT: 2.70 min Scan# 220  
Delta R.T. 0.01 min  
Lab File: VF059962.D  
Acq: 15 Aug 2018 00:14

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0814SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 11.9  | 12.0  | 18.0# |

Manual Integrations  
APPROVED

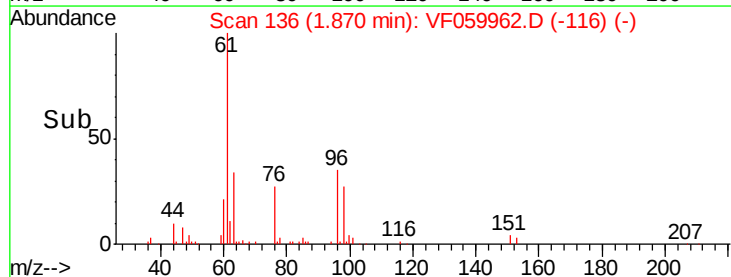
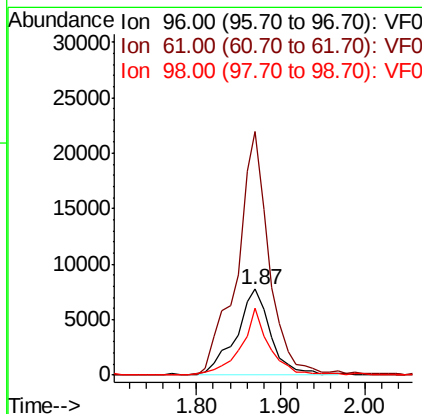
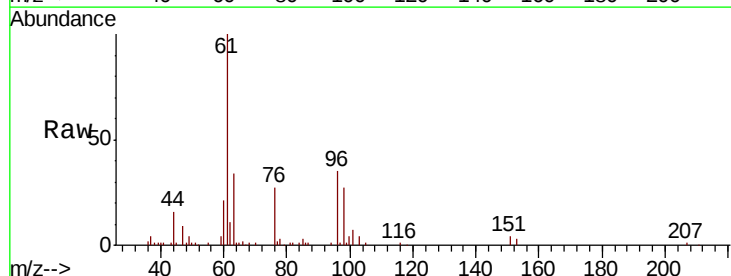
apatel  
8/16/2018 12:17:12 PM

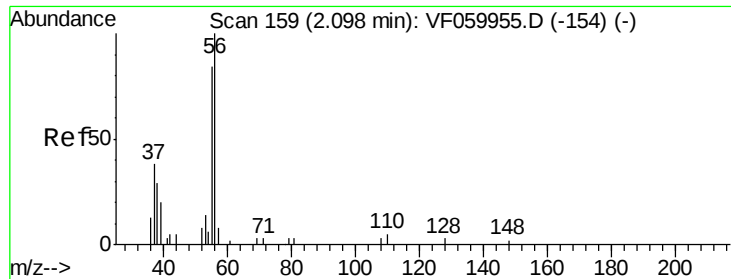


#12

1,1-Dichloroethene  
Concen: 20.64 ug/l  
RT: 1.87 min Scan# 136  
Delta R.T. -0.00 min  
Lab File: VF059962.D  
Acq: 15 Aug 2018 00:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 275.0 | 201.0 | 301.4 |
| 98      | 75.5  | 51.9  | 77.9  |





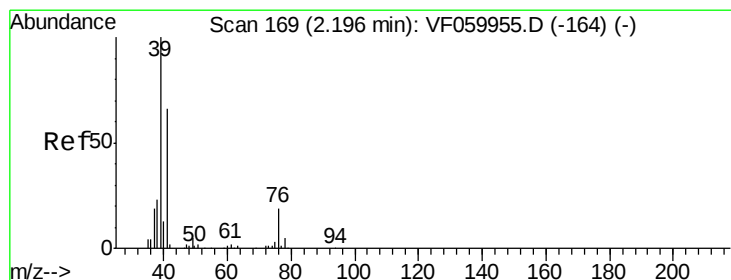
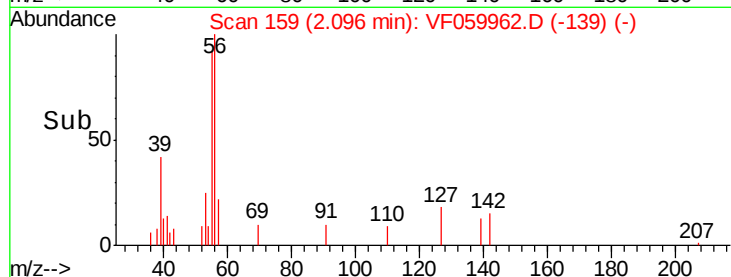
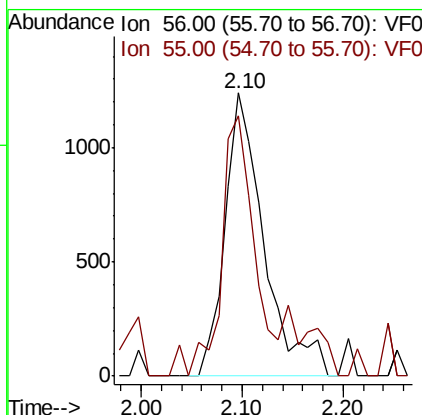
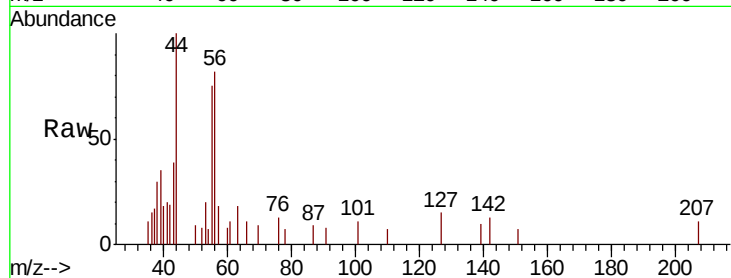
#13  
Acrolein  
Concen: 71.91 ug/l  
RT: 2.10 min Scan# 159  
Delta R.T. -0.00 min  
Lab File: VF059962.D  
Acq: 15 Aug 2018 00:14

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0814SBS01

| Tot Ion   | 56    | Resp  | 3332  |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 56        | 100   |       |       |
| 55        | 92.1  | 67.4  | 101.2 |

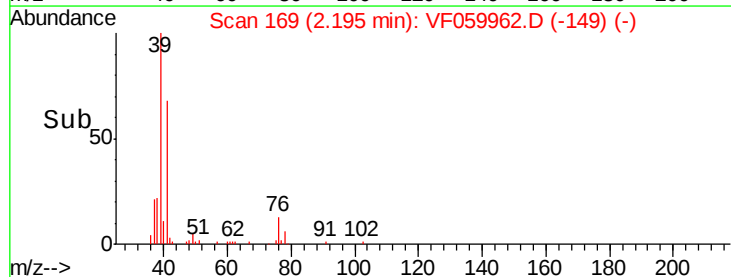
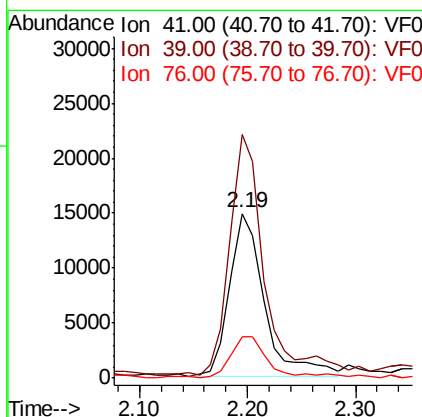
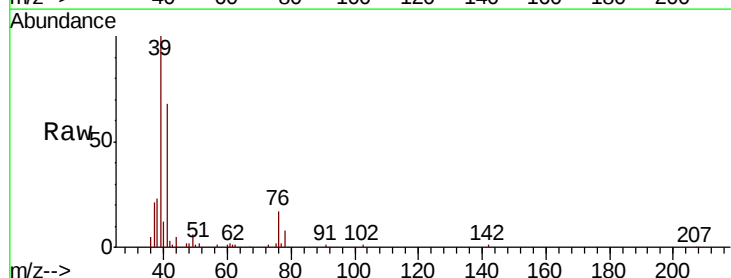
Manual Integrations  
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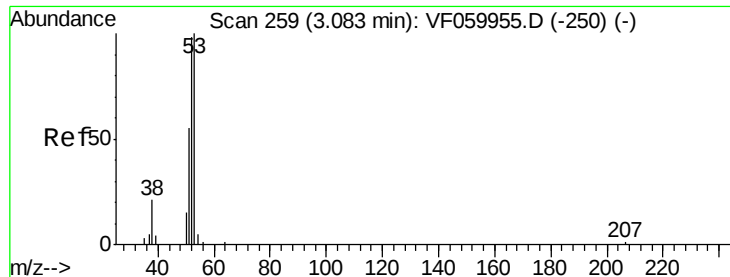
apatel  
8/16/2018 12:17:12 PM



#14  
Allyl chloride  
Concen: 21.64 ug/l  
RT: 2.19 min Scan# 169  
Delta R.T. -0.00 min  
Lab File: VF059962.D  
Acq: 15 Aug 2018 00:14

| Tgt Ion   | 41    | Resp  | 33195 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 39        | 147.8 | 121.0 | 181.4 |
| 76        | 24.9  | 23.6  | 35.4  |





#15

Acrylonitrile

Concen: 100.89 ug/l

RT: 3.09 min Scan# 260

Delta R.T. 0.01 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Instrument :

MSVOA\_F

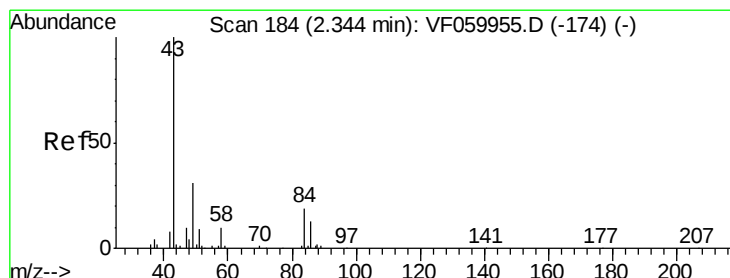
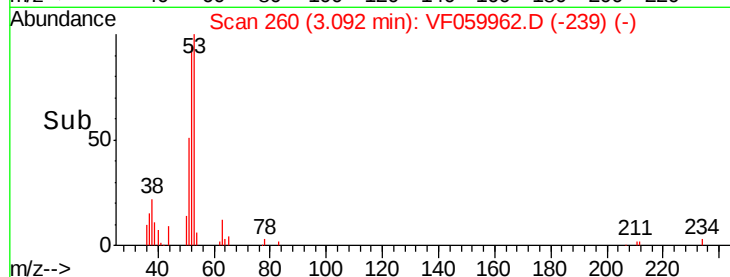
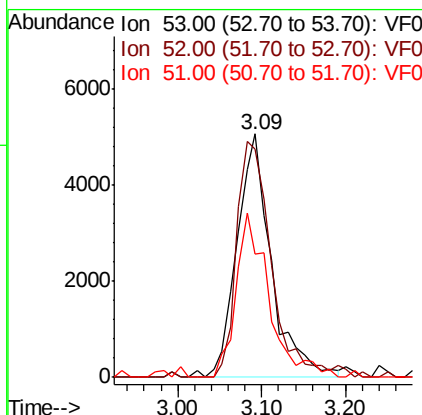
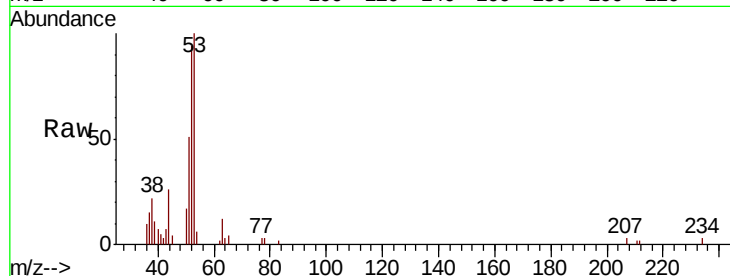
ClientSampleId :

VF0814SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 14450 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 93.8  | 78.1  | 117.1 |
| 51       | 50.8  | 44.2  | 66.4  |

Manual Integrations  
APPROVED

apatel  
8/16/2018 12:17:12 PM



#16

Acetone

Concen: 85.00 ug/l

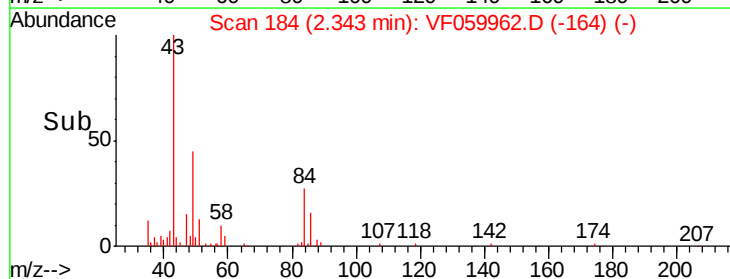
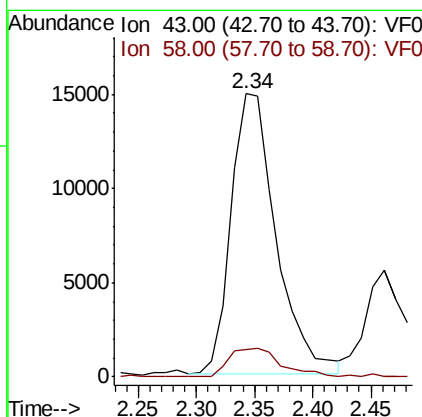
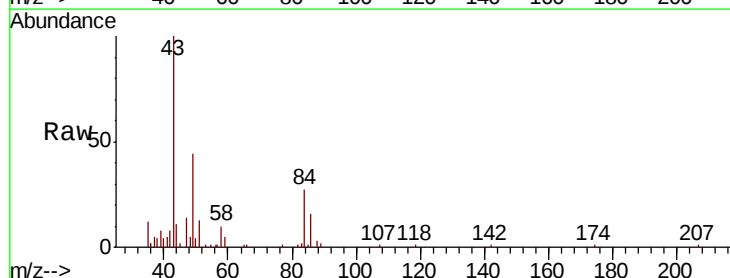
RT: 2.34 min Scan# 184

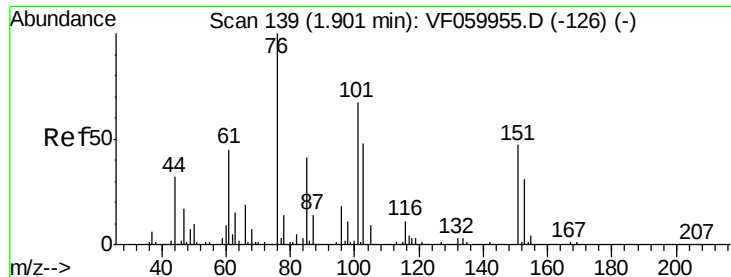
Delta R.T. -0.00 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 40124 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 9.8   | 8.1   | 12.1  |





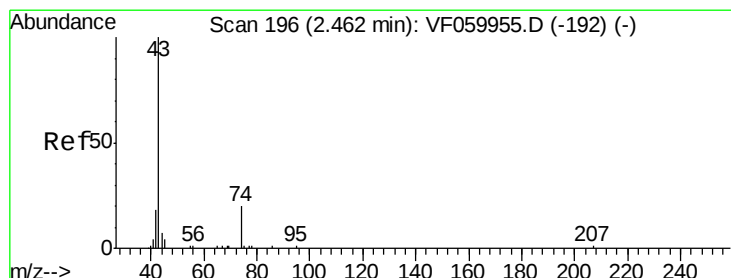
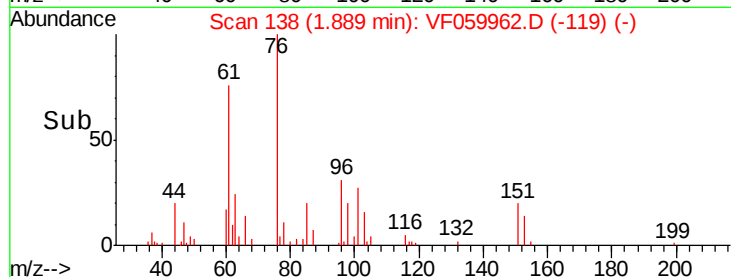
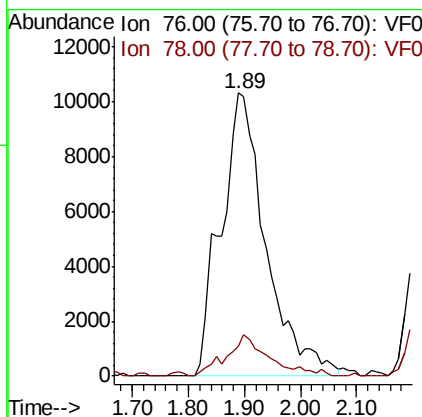
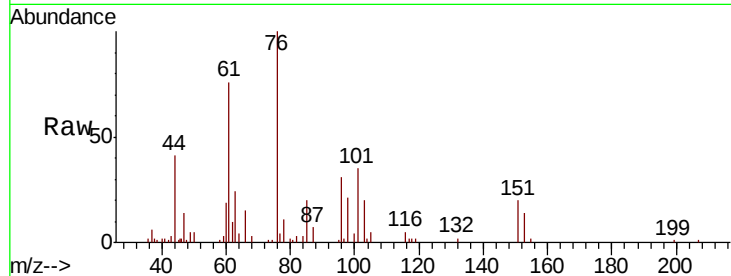
#17  
Carbon Disulfide  
Concen: 20.89 ug/l  
RT: 1.89 min Scan# 138  
Delta R.T. -0.01 min  
Lab File: VF059962.D  
Acq: 15 Aug 2018 00:14

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0814SBSD01

Tot Ion: 76 Resp: 57689  
Ion Ratio Lower Upper  
76 100  
78 10.5 11.4 17.0#

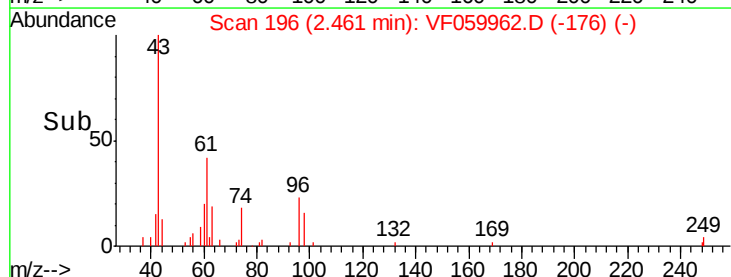
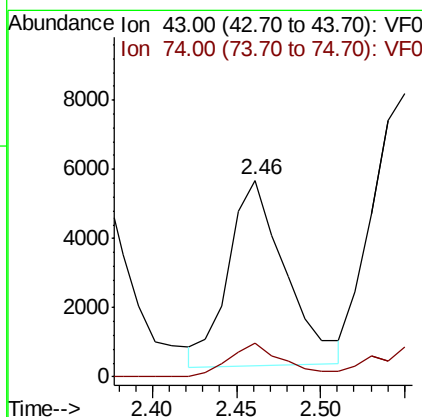
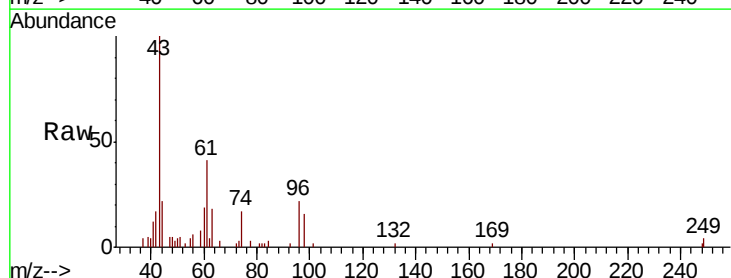
Manual Integrations  
APPROVED

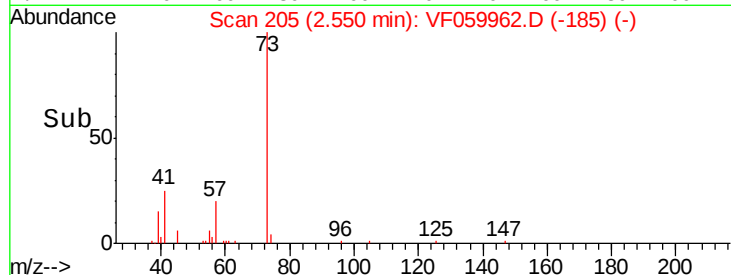
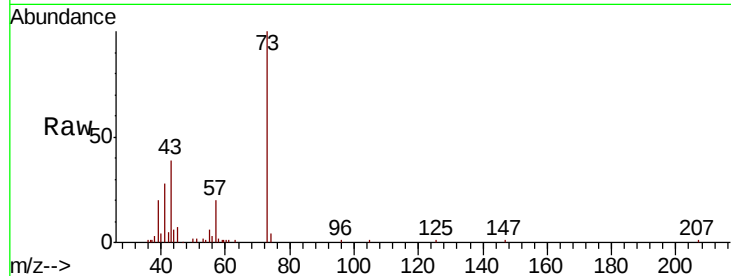
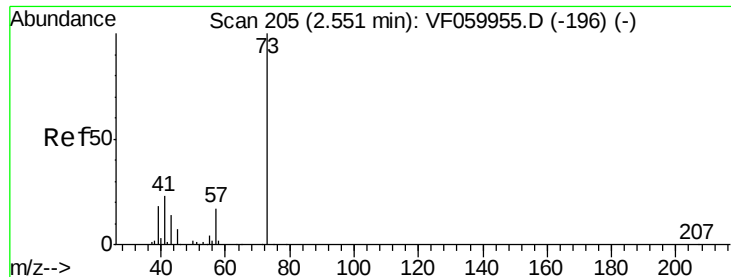
apatel  
8/16/2018 12:17:12 PM



#18  
Methyl Acetate  
Concen: 19.32 ug/l  
RT: 2.46 min Scan# 196  
Delta R.T. -0.00 min  
Lab File: VF059962.D  
Acq: 15 Aug 2018 00:14

Tgt Ion: 43 Resp: 12680  
Ion Ratio Lower Upper  
43 100  
74 17.1 14.3 21.5





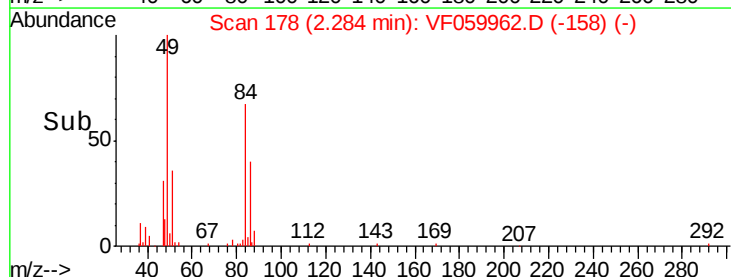
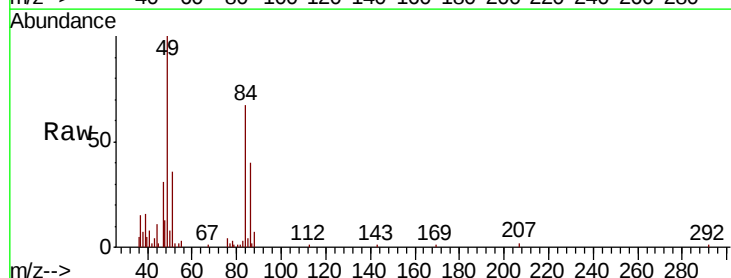
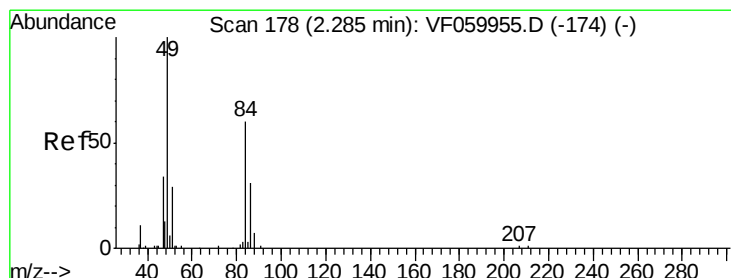
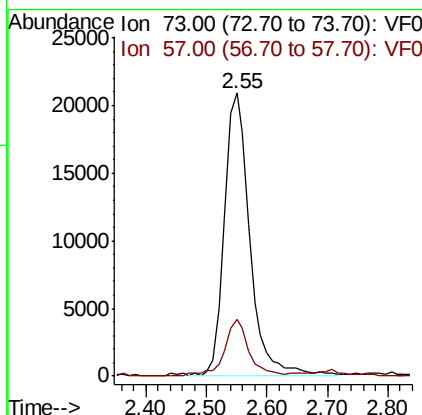
#19  
Methyl tert-butyl Ether  
Concen: 19.89 ug/l  
RT: 2.55 min Scan# 205  
Delta R.T. -0.00 min  
Lab File: VF059962.D  
Acq: 15 Aug 2018 00:14

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 20.1  | 14.0  | 21.0  |

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0814SBS01

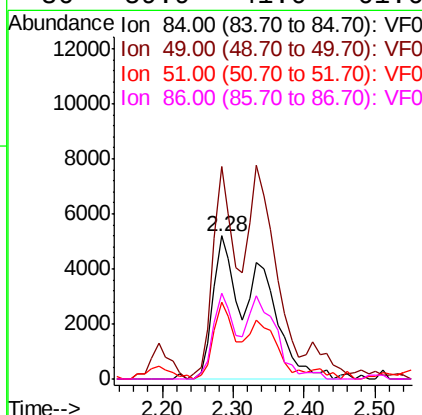
Manual Integrations  
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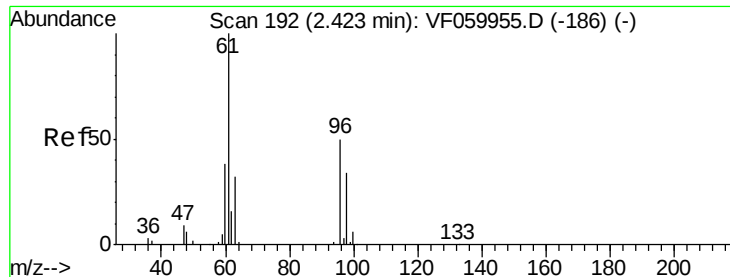
apatel  
8/16/2018 12:17:12 PM



#20  
Methylene Chloride  
Concen: 20.63 ug/l m  
RT: 2.28 min Scan# 178  
Delta R.T. -0.00 min  
Lab File: VF059962.D  
Acq: 15 Aug 2018 00:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 149.2 | 134.8 | 202.2 |
| 51      | 54.2  | 39.8  | 59.6  |
| 86      | 59.9  | 41.0  | 61.6  |





#21

trans-1,2-Dichloroethene

Concen: 20.63 ug/l

RT: 2.42 min Scan# 192

Delta R.T. -0.00 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Instrument :

MSVOA\_F

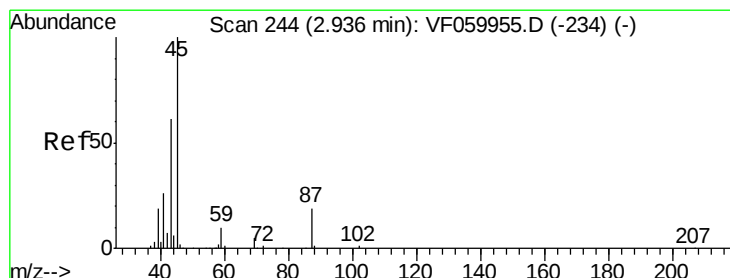
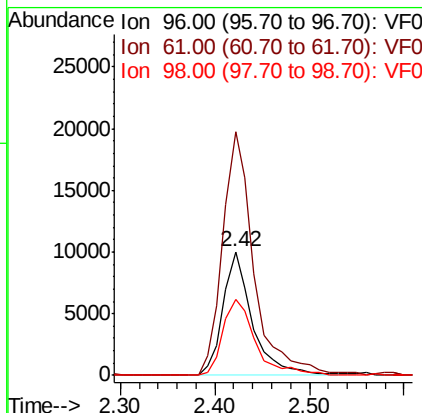
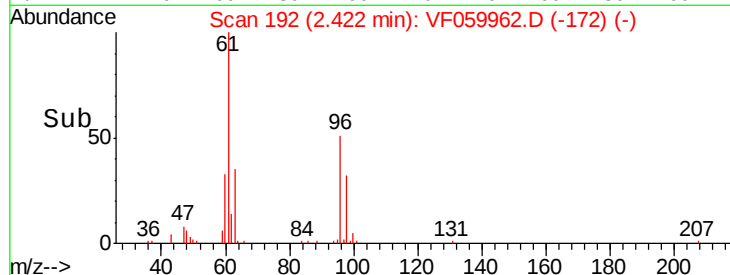
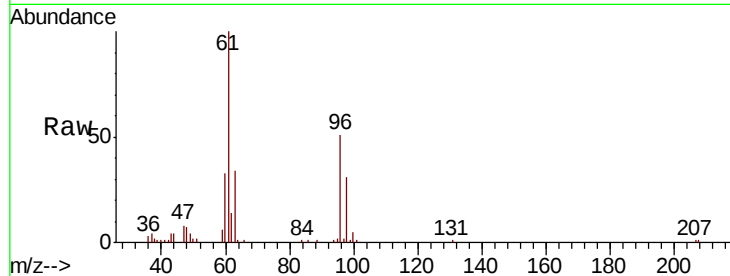
ClientSampleID :

VF0814SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 21624 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 197.4 | 159.5 | 239.3 |
| 98       | 62.1  | 53.8  | 80.6  |

Manual Integrations  
APPROVED

apatel  
8/16/2018 12:17:12 PM



#22

Diisopropyl ether

Concen: 20.77 ug/l

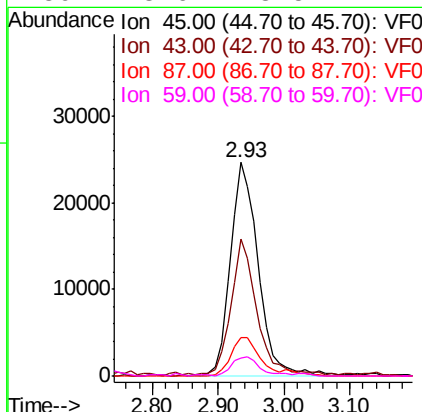
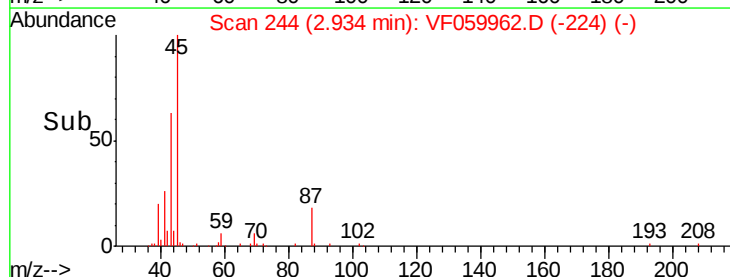
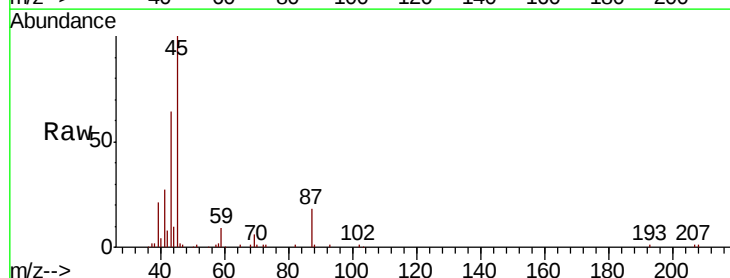
RT: 2.93 min Scan# 244

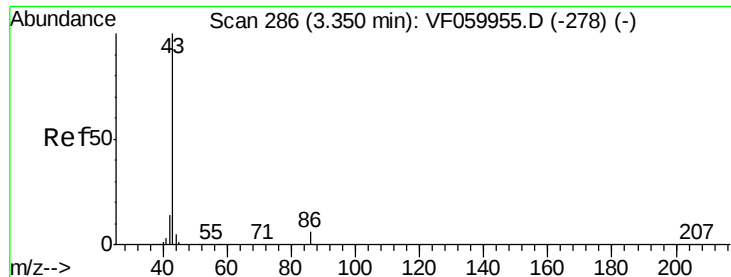
Delta R.T. -0.00 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 45    | Resp: | 73263 |
| Ion      | Ratio | Lower | Upper |
| 45       | 100   |       |       |
| 43       | 64.0  | 48.7  | 73.1  |
| 87       | 18.2  | 15.3  | 22.9  |
| 59       | 8.6   | 8.5   | 12.7  |





#23

Vinyl Acetate

Concen: 105.81 ug/l

RT: 3.35 min Scan# 286

Delta R.T. -0.00 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Instrument :

MSVOA\_F

ClientSampleId :

VF0814SBS01

Tot Ion: 43 Resp: 185287

Ion Ratio Lower Upper

43 100

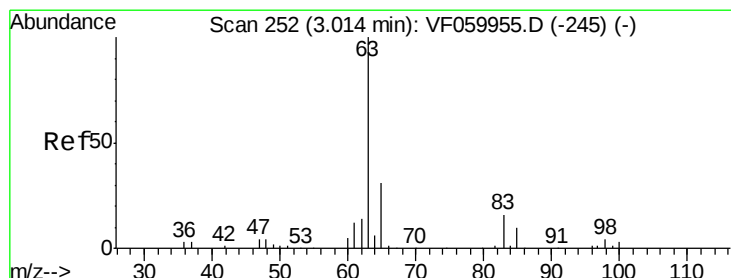
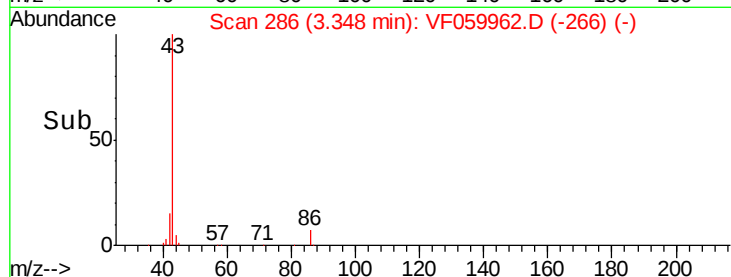
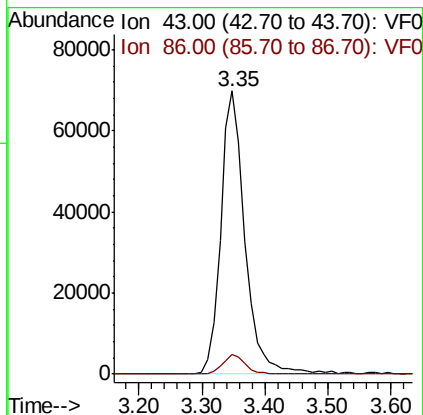
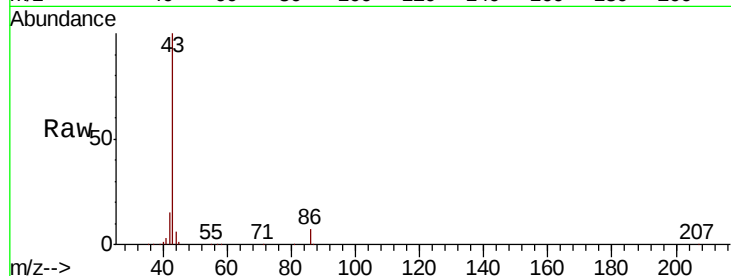
86 7.1 4.9 7.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.95 ug/l

RT: 3.01 min Scan# 252

Delta R.T. -0.00 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

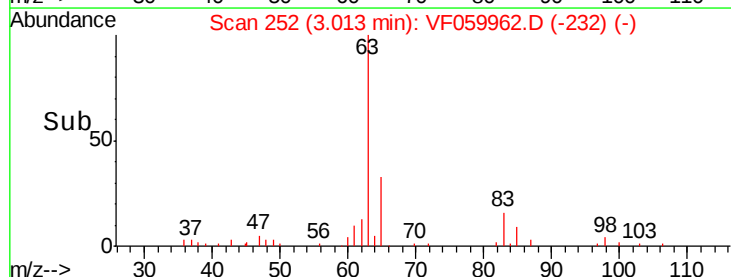
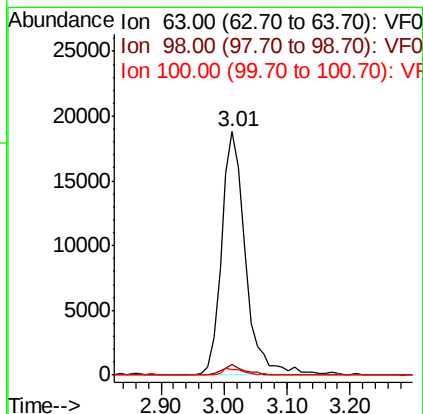
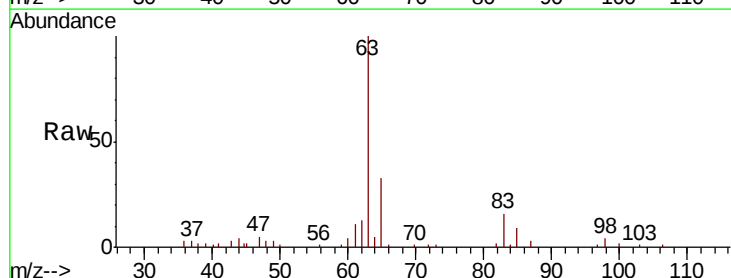
Tgt Ion: 63 Resp: 49746

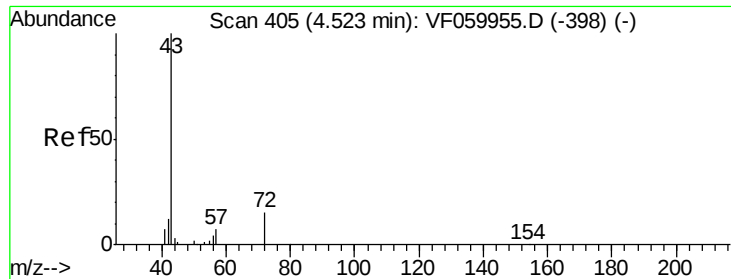
Ion Ratio Lower Upper

63 100

98 4.2 2.1 6.2

100 2.2 1.7 5.1





#25

2-Butanone

Concen: 97.06 ug/l

RT: 4.53 min Scan# 406

Delta R.T. 0.01 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Tot Ion: 43 Resp: 46333

Ion Ratio Lower Upper

43 100

72 16.6 14.6 22.0

Instrument :

MSVOA\_F

ClientSampleId :

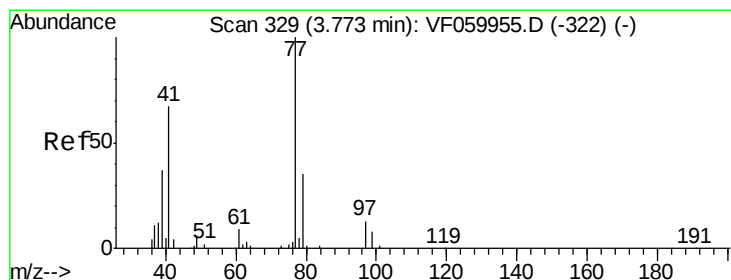
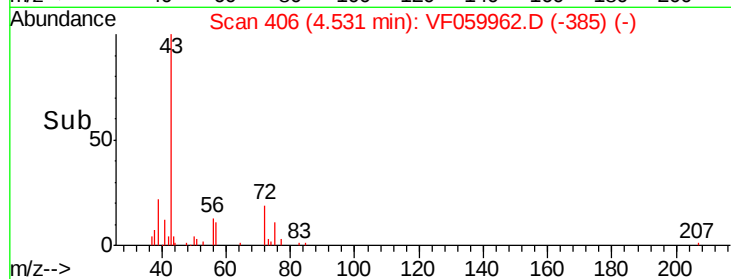
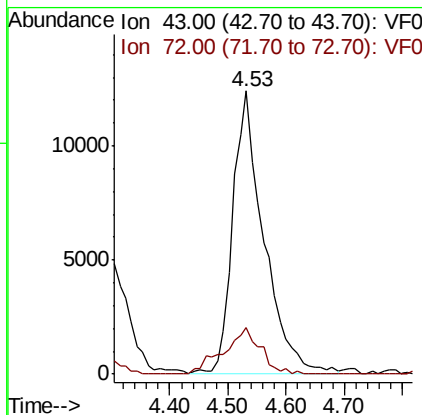
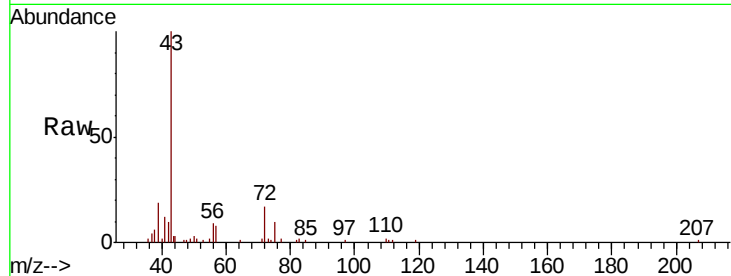
VF0814SBS01

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#26

2,2-Dichloropropane

Concen: 19.19 ug/l

RT: 3.77 min Scan# 329

Delta R.T. -0.00 min

Lab File: VF059962.D

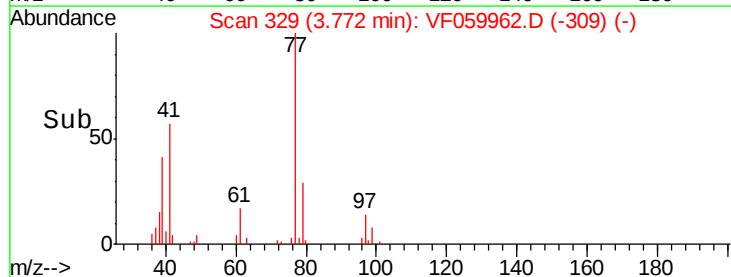
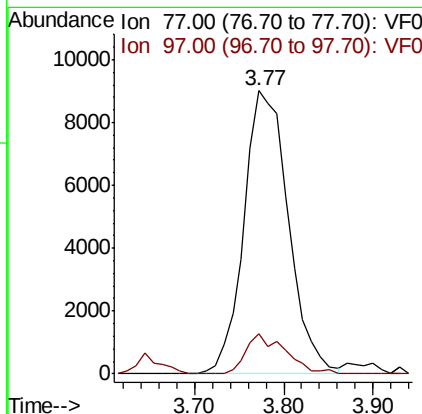
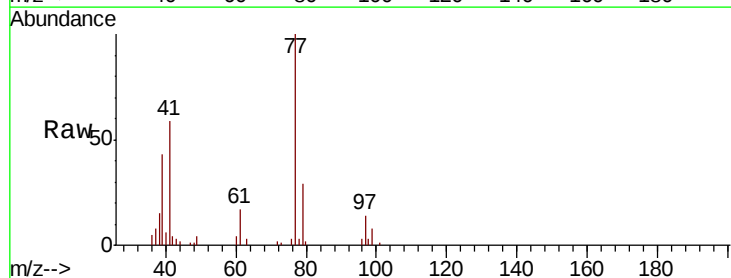
Acq: 15 Aug 2018 00:14

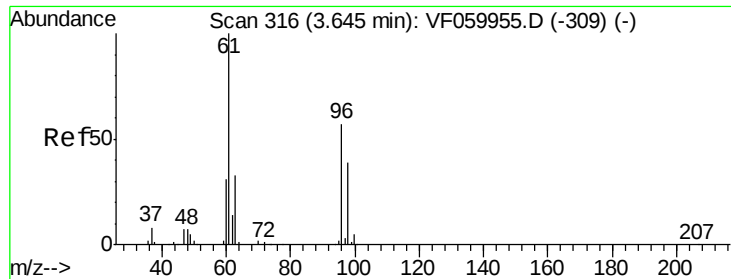
Tgt Ion: 77 Resp: 31124

Ion Ratio Lower Upper

77 100

97 14.4 6.6 19.7





#27

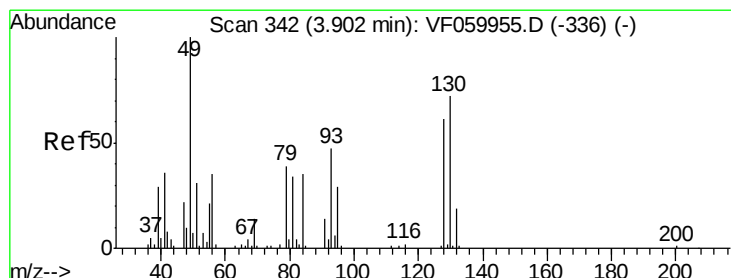
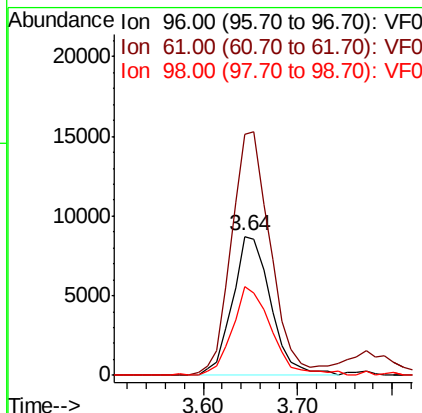
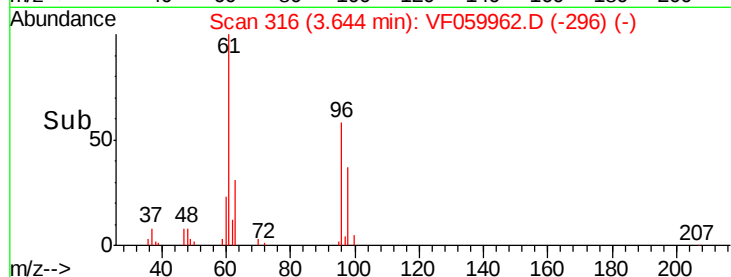
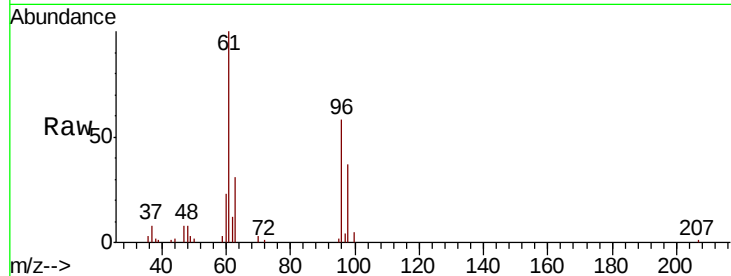
cis-1,2-Dichloroethene  
Concen: 21.16 ug/l  
RT: 3.64 min Scan# 316  
Delta R.T. -0.00 min  
Lab File: VF059962.D  
Acq: 15 Aug 2018 00:14

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0814SBS01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 96      | 100   | 24507 |       |       |
| 61      | 173.6 | 0.0   | 349.4 |       |
| 98      | 64.1  | 0.0   | 134.6 |       |

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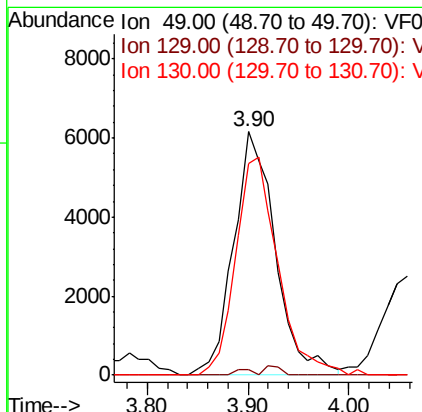
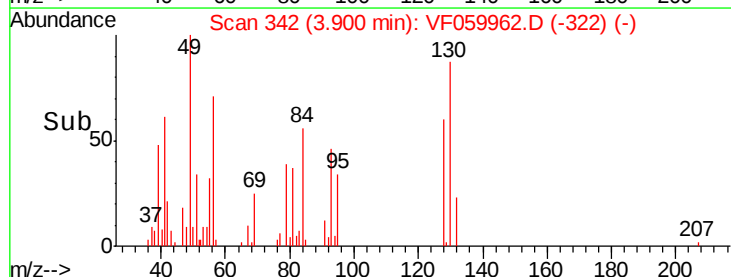
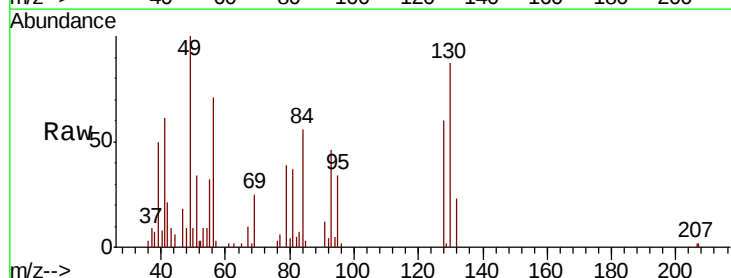
apatel  
8/16/2018 12:17:12 PM

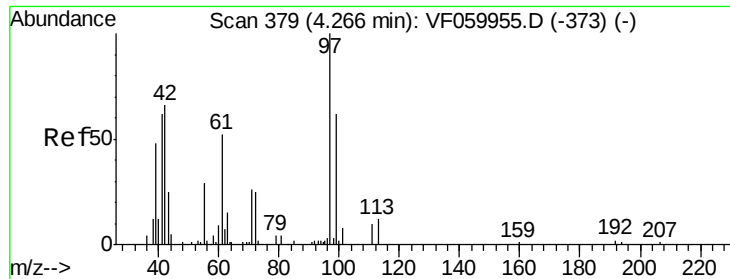


#28

Bromochloromethane  
Concen: 19.17 ug/l  
RT: 3.90 min Scan# 342  
Delta R.T. -0.00 min  
Lab File: VF059962.D  
Acq: 15 Aug 2018 00:14

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 49      | 100   | 17797 |       |       |
| 129     | 2.1   | 0.0   | 4.2   |       |
| 130     | 87.0  | 58.1  | 87.1  |       |





#29

Tetrahydrofuran

Concen: 106.39 ug/l

RT: 4.27 min Scan# 380

Delta R.T. 0.01 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Instrument :

MSVOA\_F

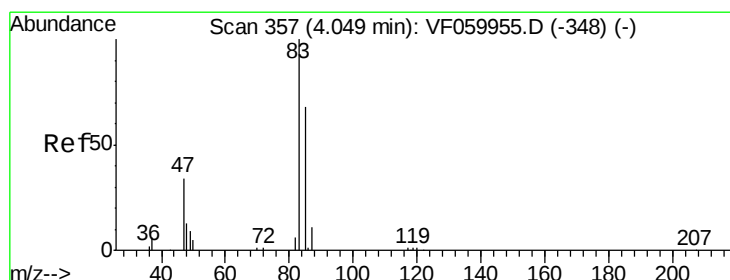
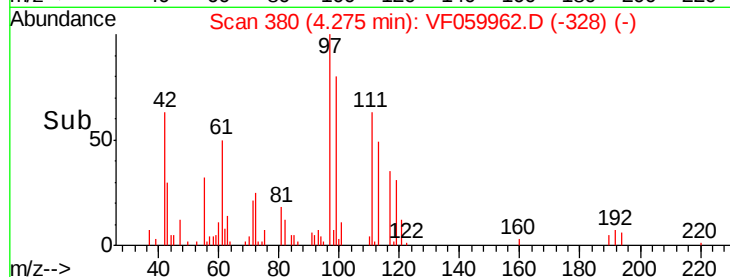
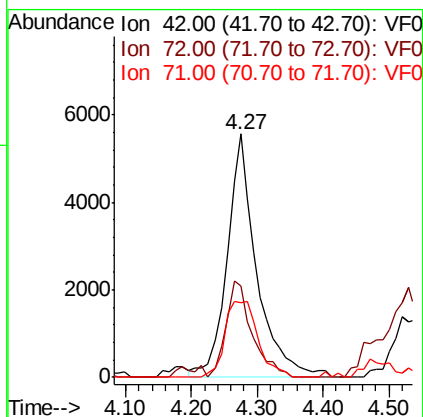
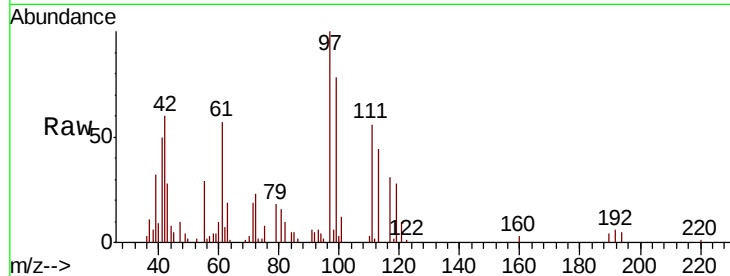
ClientSampleId :

VF0814SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 42    | Resp: | 17446 |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 35.0  | 27.7  | 41.5  |
| 71       | 35.2  | 28.2  | 42.4  |

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#30

Chloroform

Concen: 20.22 ug/l

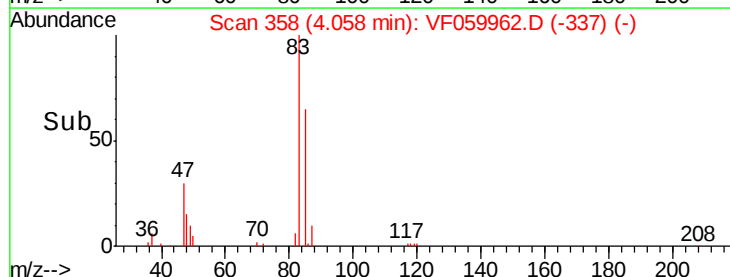
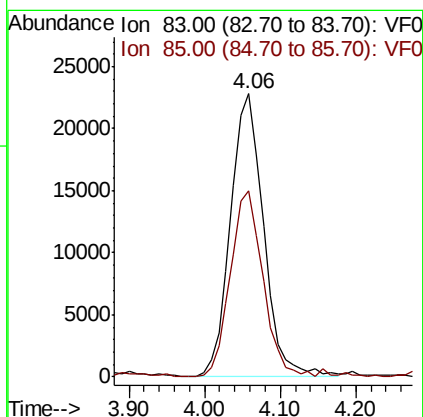
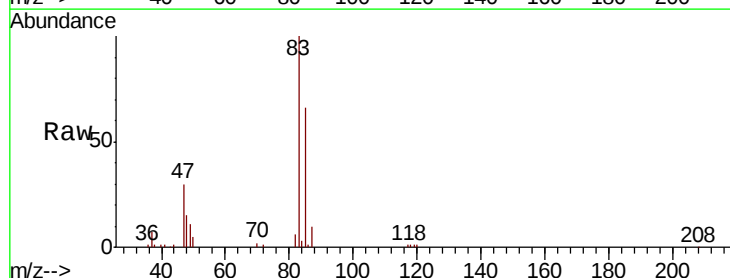
RT: 4.06 min Scan# 358

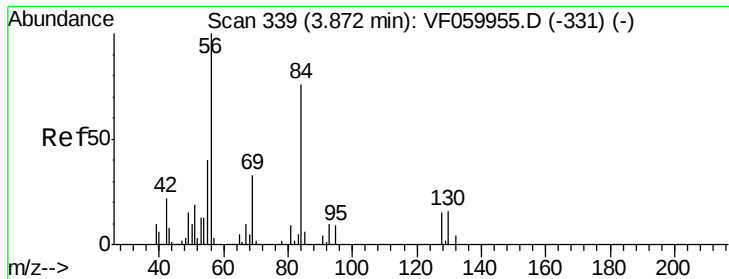
Delta R.T. 0.01 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 69240 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 65.9  | 54.4  | 81.6  |





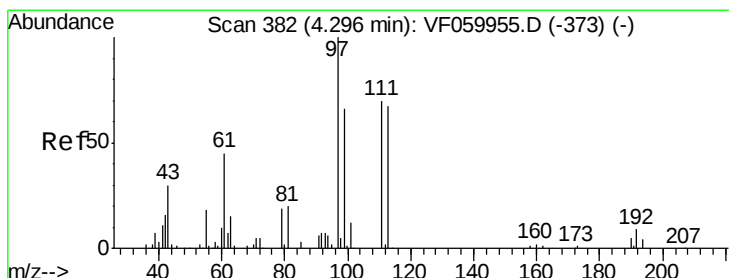
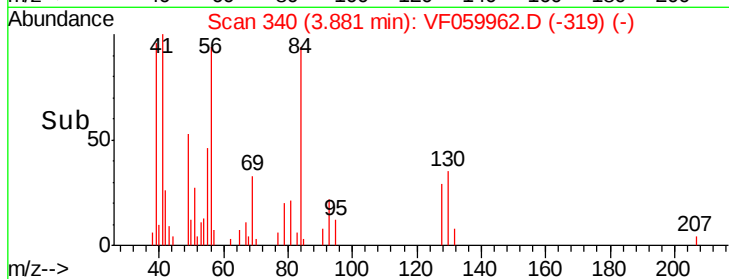
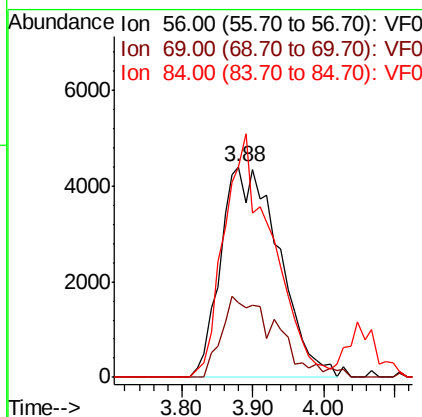
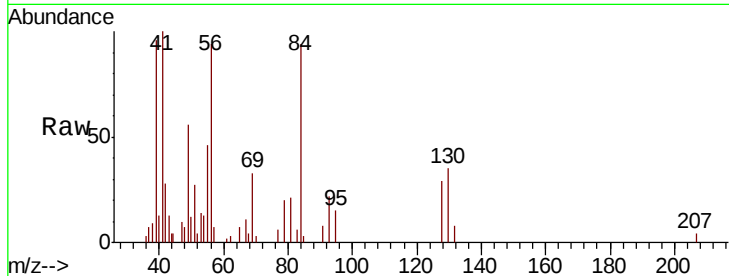
#31  
Cyclohexane  
Concen: 20.16 ug/l m  
RT: 3.88 min Scan# 340  
Delta R.T. 0.01 min  
Lab File: VF059962.D  
Acq: 15 Aug 2018 00:14

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0814SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 35.4  | 26.2  | 39.2  |
| 84      | 100.1 | 61.0  | 91.4# |

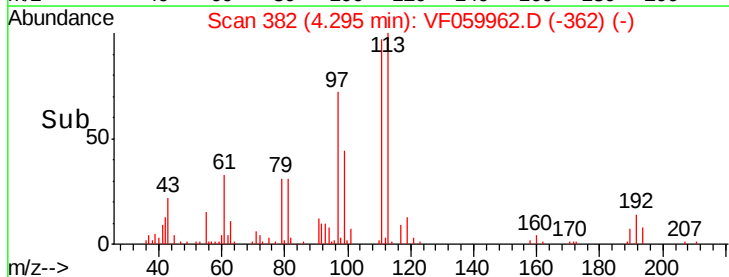
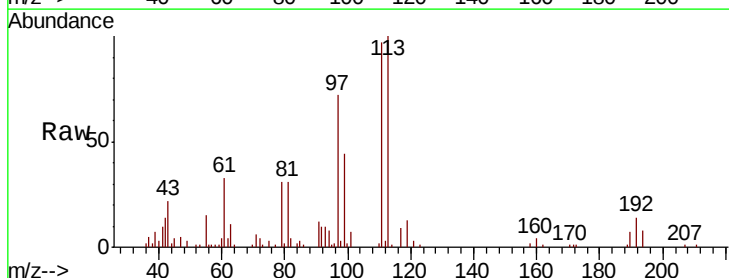
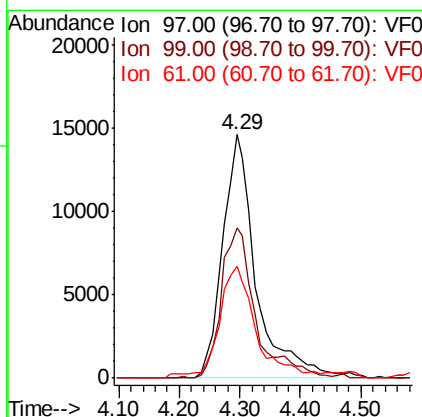
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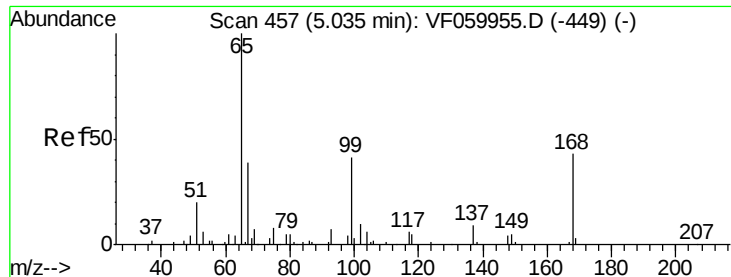
apatel  
8/16/2018 12:17:12 PM



#32  
1,1,1-Trichloroethane  
Concen: 19.82 ug/l  
RT: 4.29 min Scan# 382  
Delta R.T. -0.00 min  
Lab File: VF059962.D  
Acq: 15 Aug 2018 00:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 61.9  | 53.0  | 79.4  |
| 61      | 45.8  | 36.6  | 55.0  |





#33

1,2-Dichloroethane-d4

Concen: 48.43 ug/l

RT: 5.03 min Scan# 457

Delta R.T. -0.00 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Instrument :

MSVOA\_F

ClientSampleId :

VF0814SBSD01

Tot Ion: 65 Resp: 115170

Ion Ratio Lower Upper

65 100

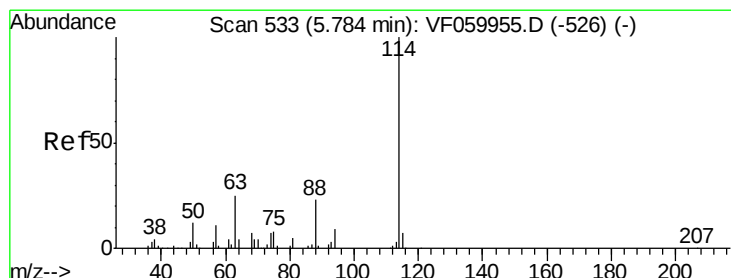
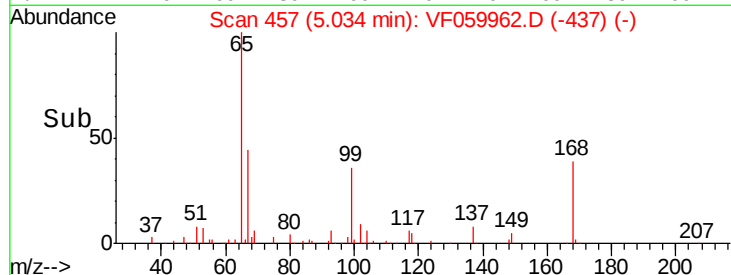
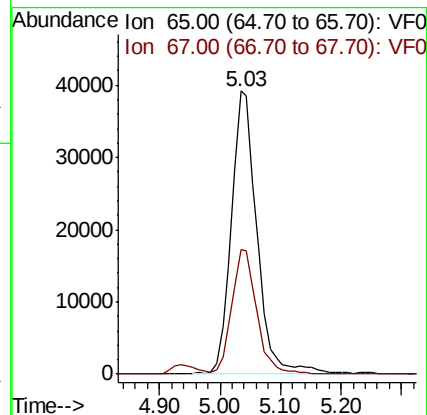
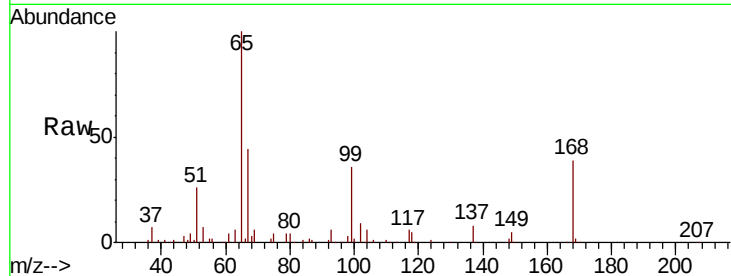
67 44.2 0.0 87.4

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.78 min Scan# 533

Delta R.T. -0.00 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

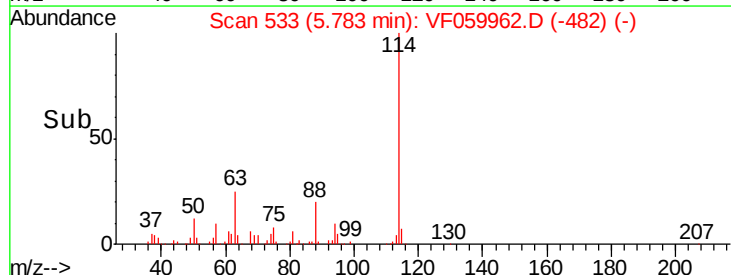
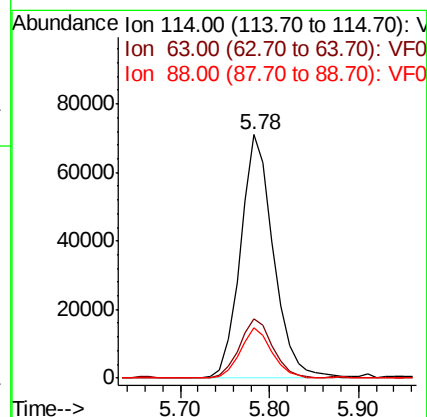
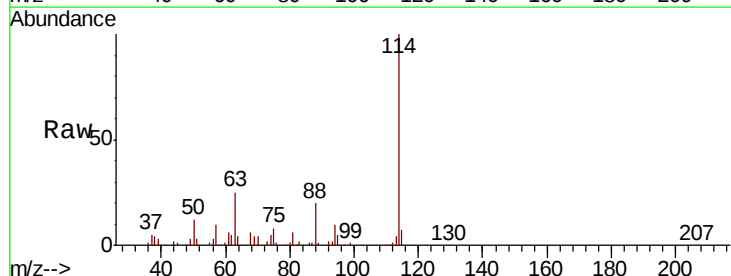
Tgt Ion: 114 Resp: 182423

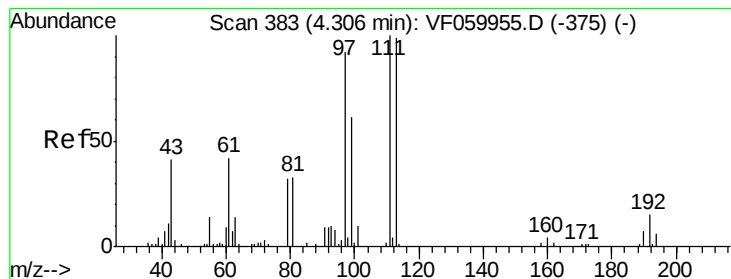
Ion Ratio Lower Upper

114 100

63 24.5 0.0 50.2

88 20.5 0.0 46.8





#35

Dibromofluoromethane

Concen: 49.64 ug/l

RT: 4.31 min Scan# 384

Delta R.T. 0.01 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Instrument :

MSVOA\_F

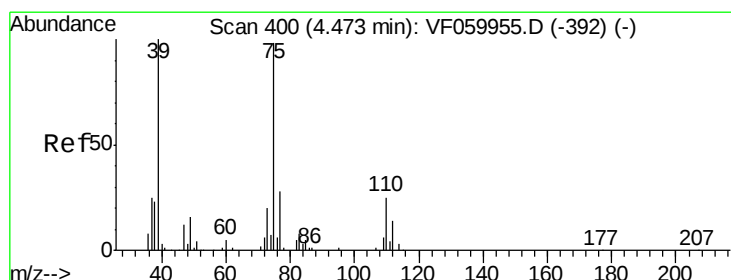
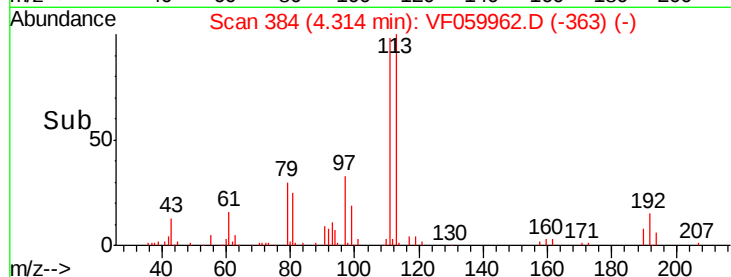
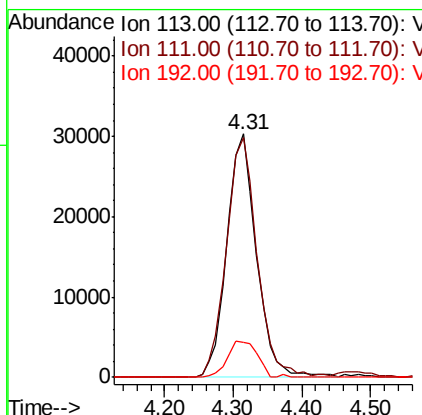
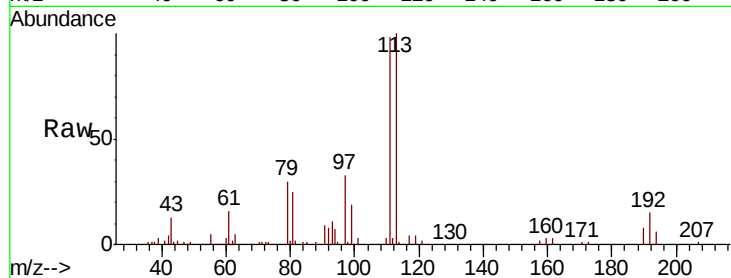
ClientSampleId :

VF0814SBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 113   | Resp: | 90738 |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 111       | 98.3  | 80.6  | 121.0 |
| 192       | 14.6  | 11.7  | 17.5  |

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#36

1,1-Dichloropropene

Concen: 20.54 ug/l

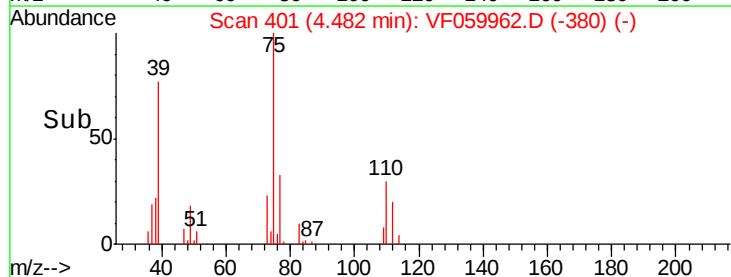
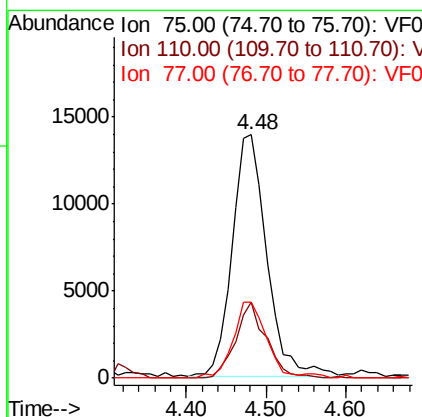
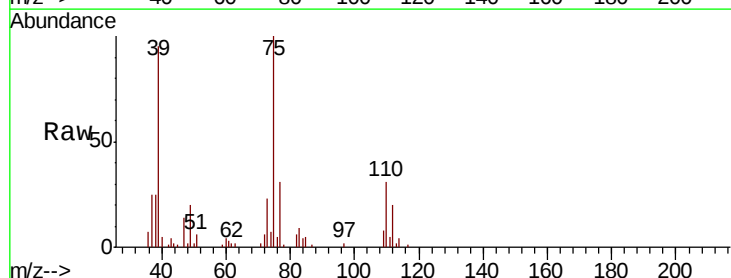
RT: 4.48 min Scan# 401

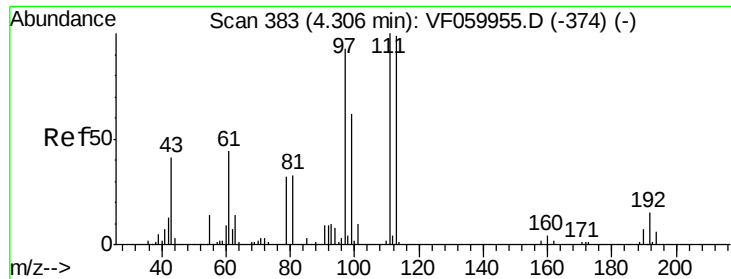
Delta R.T. 0.01 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 41633 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 31.0  | 12.6  | 37.8  |
| 77        | 31.0  | 22.7  | 34.1  |





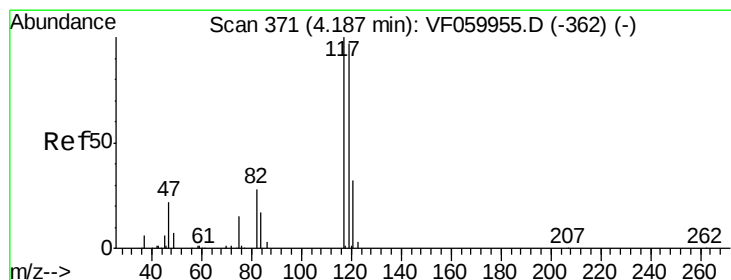
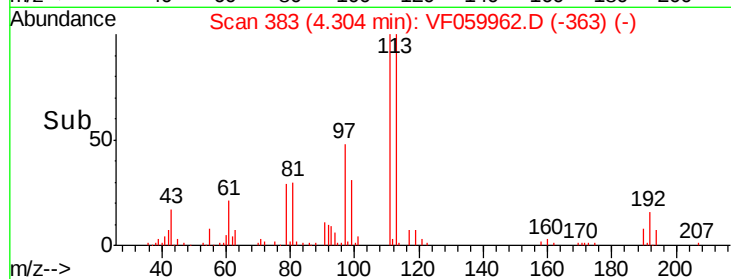
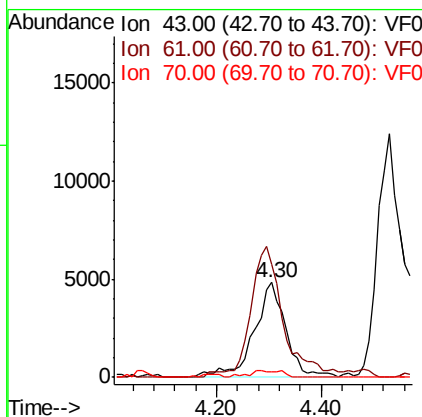
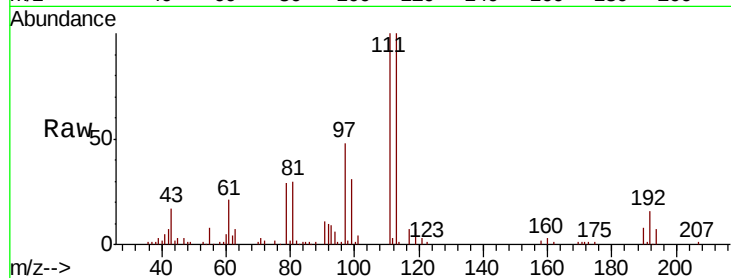
#37  
Ethyl Acetate  
Concen: 23.36 ug/l  
RT: 4.30 min Scan# 383  
Delta R.T. -0.00 min  
Lab File: VF059962.D  
Acq: 15 Aug 2018 00:14

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0814SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 43    | Resp: | 20254 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 61        | 119.2 | 84.3  | 126.5 |
| 70        | 6.2   | 5.5   | 8.3   |

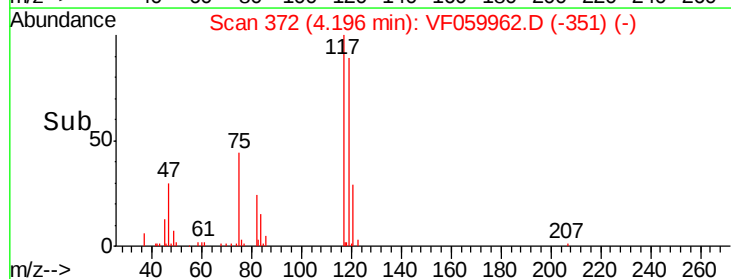
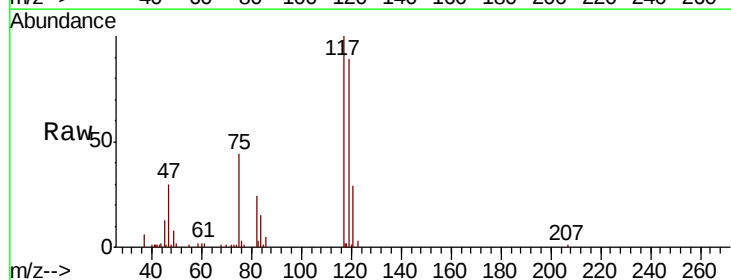
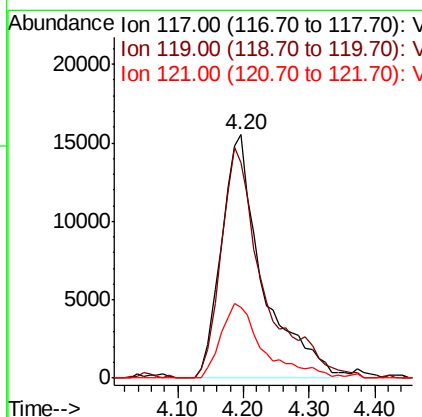
Manual Integrations  
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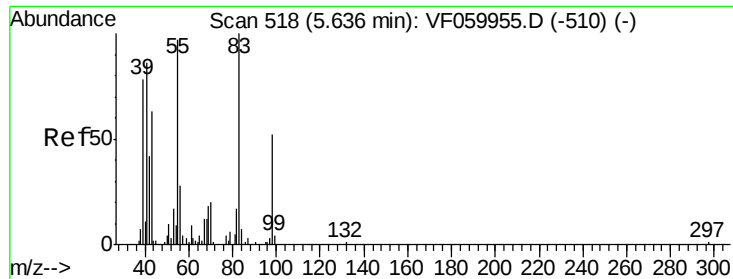
apatel  
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#38  
Carbon Tetrachloride  
Concen: 20.04 ug/l  
RT: 4.20 min Scan# 372  
Delta R.T. 0.01 min  
Lab File: VF059962.D  
Acq: 15 Aug 2018 00:14

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 117   | Resp: | 67609 |
| Ion Ratio | Lower | Upper |       |
| 117       | 100   |       |       |
| 119       | 88.7  | 76.9  | 115.3 |
| 121       | 28.9  | 24.9  | 37.3  |





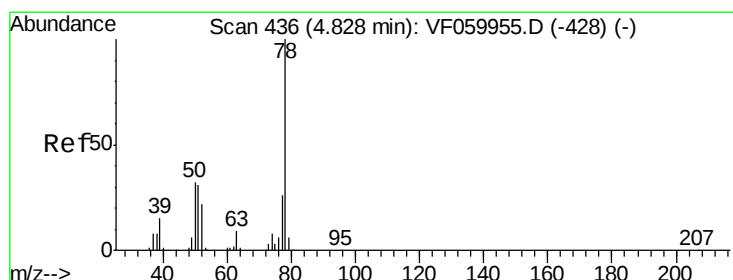
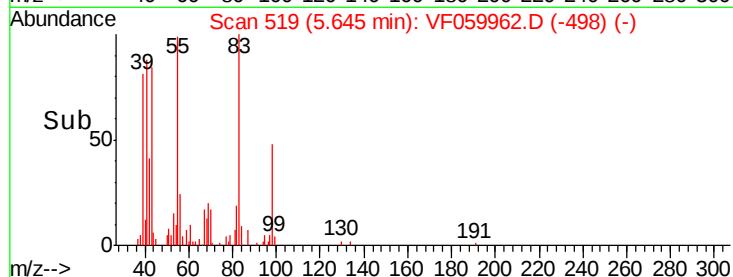
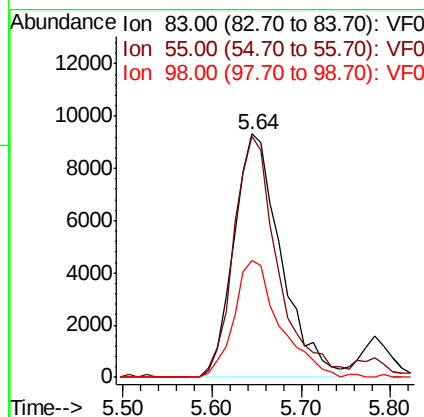
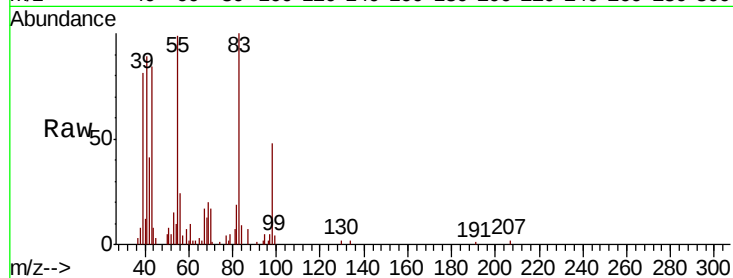
#39  
Methvlcvclohexane  
Concen: 23.15 ug/l  
RT: 5.64 min Scan# 519  
Delta R.T. 0.01 min  
Lab File: VF059962.D  
Acq: 15 Aug 2018 00:14

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0814SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 99.1  | 77.4  | 116.2 |
| 98      | 47.8  | 41.5  | 62.3  |

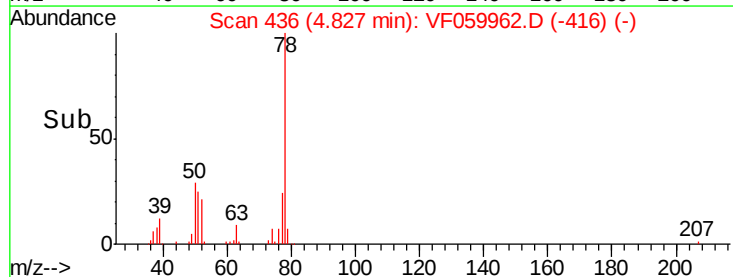
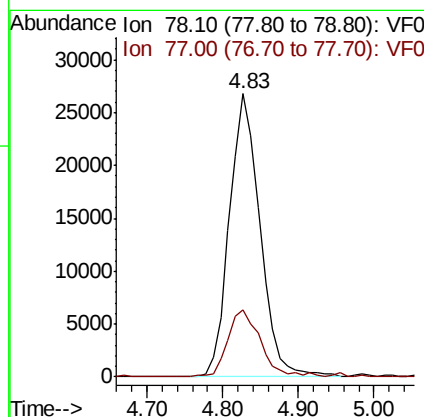
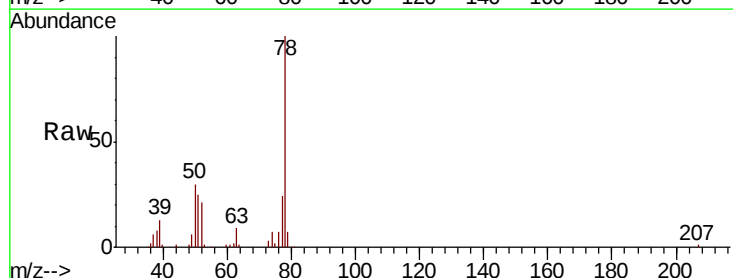
Manual Integrations  
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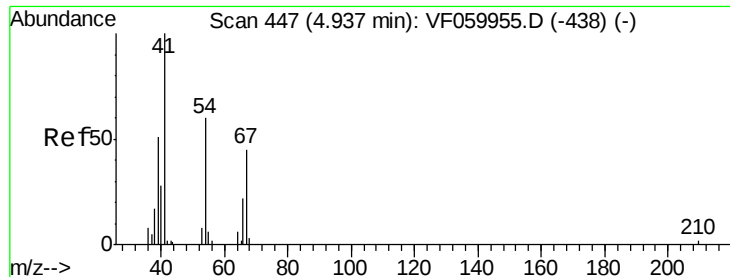
apatel  
8/16/2018 12:17:12 PM



#40  
Benzene  
Concen: 21.89 ug/l  
RT: 4.83 min Scan# 436  
Delta R.T. -0.00 min  
Lab File: VF059962.D  
Acq: 15 Aug 2018 00:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.7  | 21.1  | 31.7  |





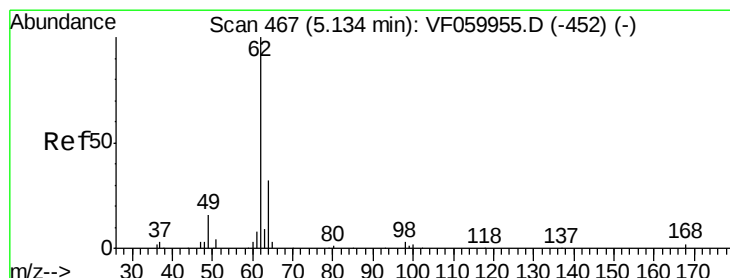
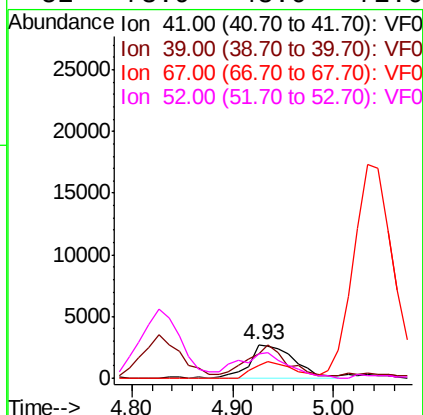
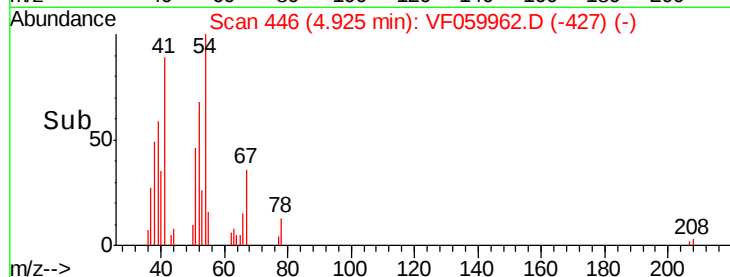
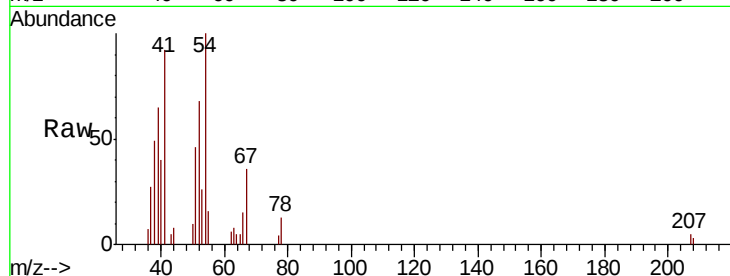
#41  
Methacrylonitrile  
Concen: 19.71 ug/l  
RT: 4.93 min Scan# 446  
Delta R.T. -0.01 min  
Lab File: VF059962.D  
Acq: 15 Aug 2018 00:14

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0814SBS01

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 41      | 100   |       |        |
| 39      | 70.7  | 75.7  | 113.5# |
| 67      | 39.6  | 36.1  | 54.1   |
| 52      | 73.9  | 48.0  | 72.0#  |

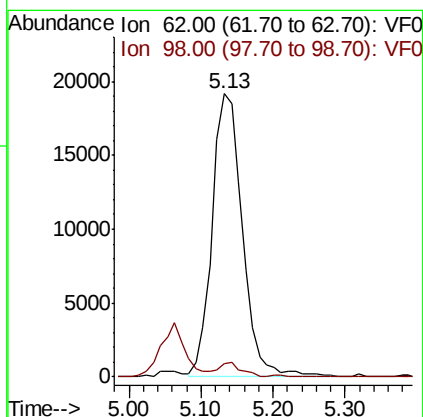
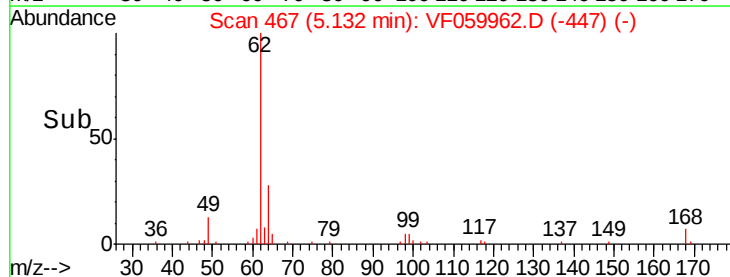
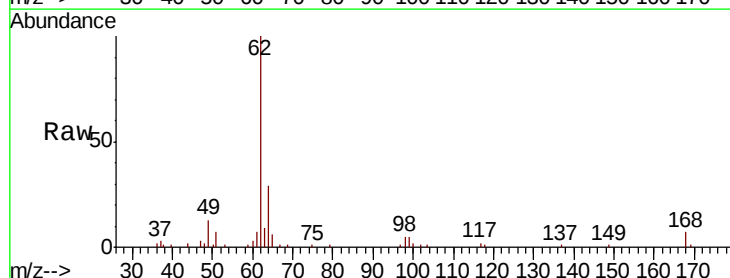
Manual Integrations  
APPROVED

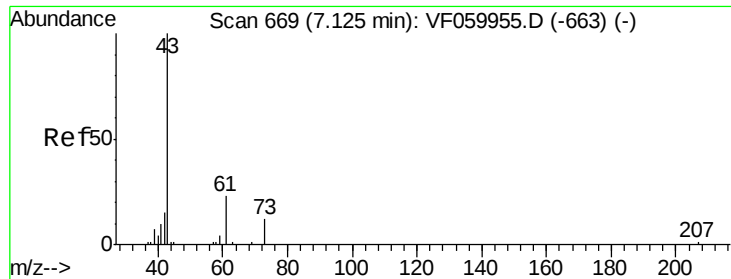
apatel  
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#42  
1,2-Dichloroethane  
Concen: 20.41 ug/l  
RT: 5.13 min Scan# 467  
Delta R.T. -0.00 min  
Lab File: VF059962.D  
Acq: 15 Aug 2018 00:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 4.7   | 0.0   | 5.0   |





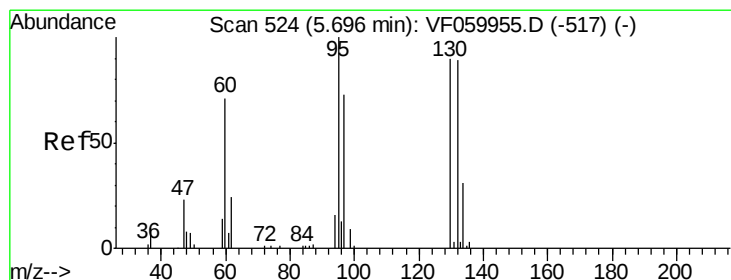
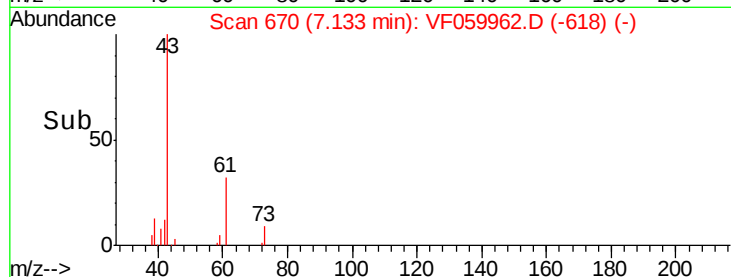
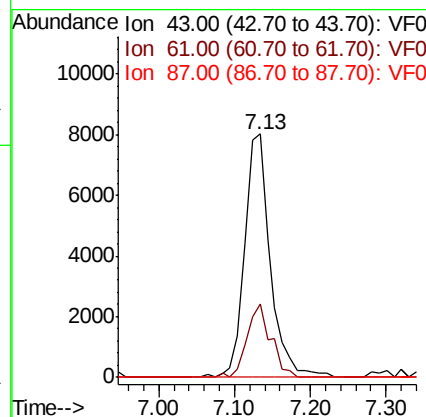
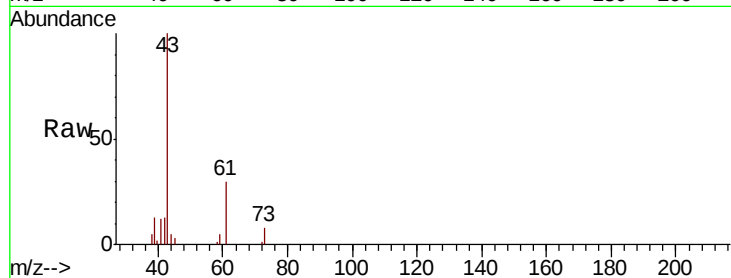
#43  
Isopropyl Acetate  
Concen: 19.81 ug/l  
RT: 7.13 min Scan# 670  
Delta R.T. 0.01 min  
Lab File: VF059962.D  
Acq: 15 Aug 2018 00:14

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0814SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 29.9  | 18.6  | 27.8# |
| 87      | 0.0   | 0.0   | 0.0   |

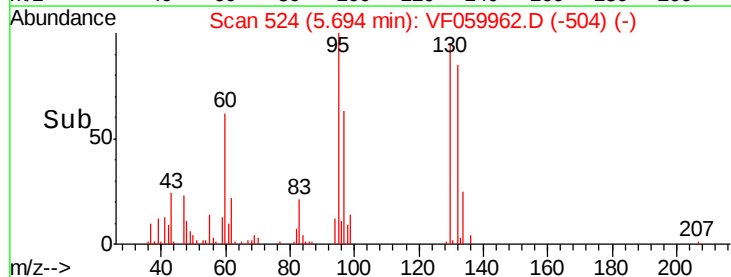
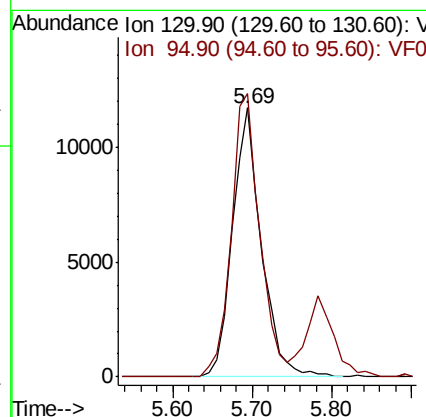
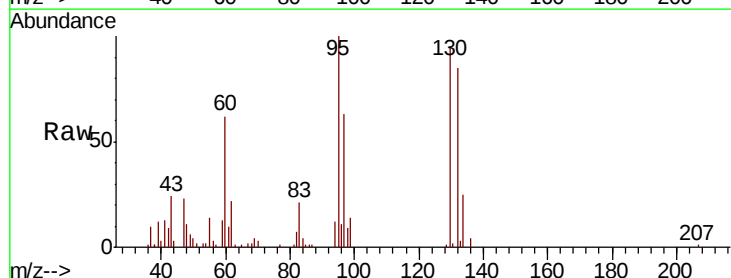
Manual Integrations  
APPROVED

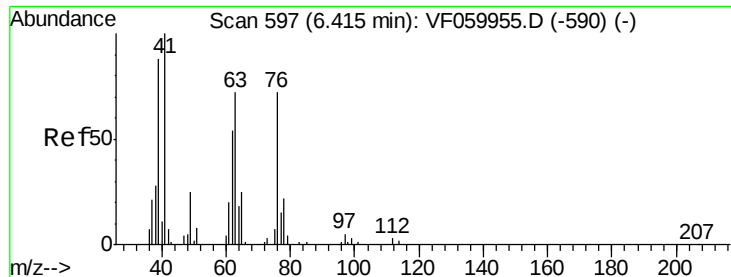
apatel  
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#44  
Trichloroethene  
Concen: 22.45 ug/l  
RT: 5.69 min Scan# 524  
Delta R.T. -0.00 min  
Lab File: VF059962.D  
Acq: 15 Aug 2018 00:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 103.5 | 0.0   | 222.0 |





#45

1,2-Dichloropropane

Concen: 20.99 ug/l

RT: 6.42 min Scan# 598

Delta R.T. 0.01 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Instrument :

MSVOA\_F

ClientSampleId :

VF0814SBS01

Tot Ion: 63 Resp: 19040

Ion Ratio Lower Upper

63 100

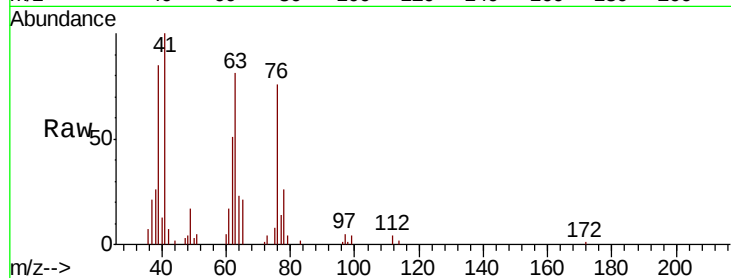
65 26.1 27.8 41.6#

Manual Integrations

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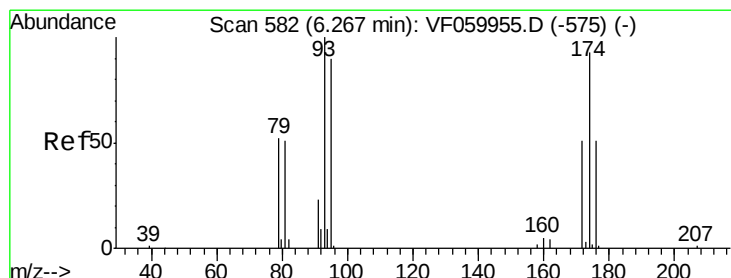
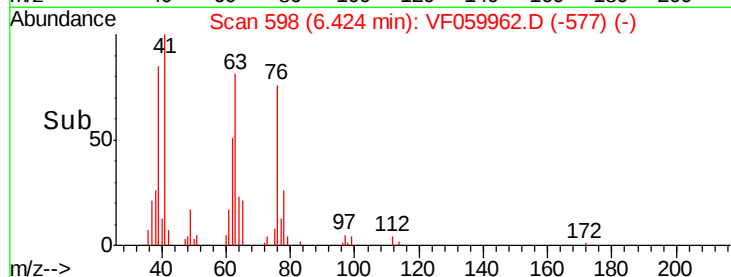
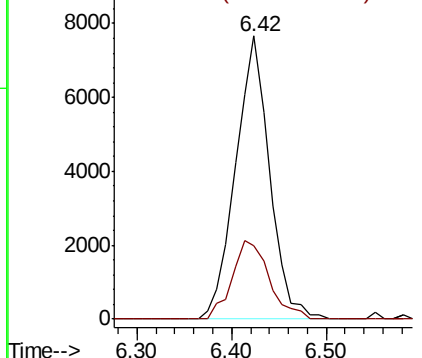
apatel

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 19.17 ug/l

RT: 6.27 min Scan# 582

Delta R.T. -0.00 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

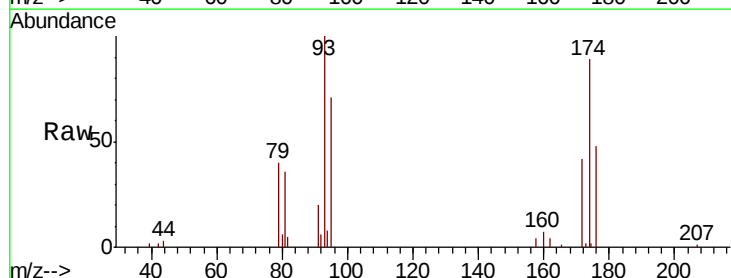
Tgt Ion: 93 Resp: 17162

Ion Ratio Lower Upper

93 100

95 70.6 72.4 108.6#

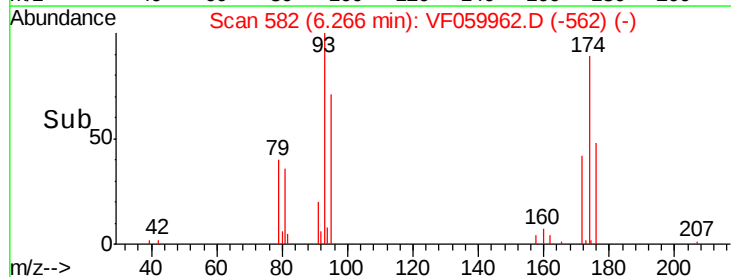
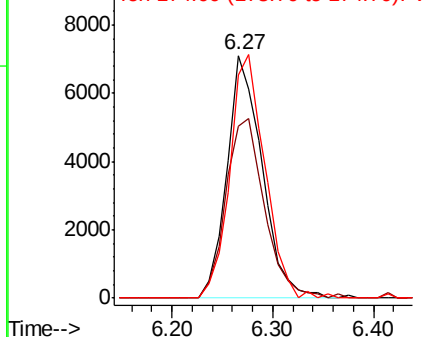
174 91.6 75.9 113.9

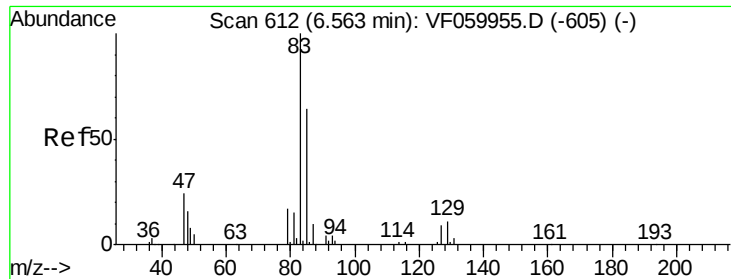


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 20.47 ug/l

RT: 6.57 min Scan# 613

Delta R.T. 0.01 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Instrument :

MSVOA\_F

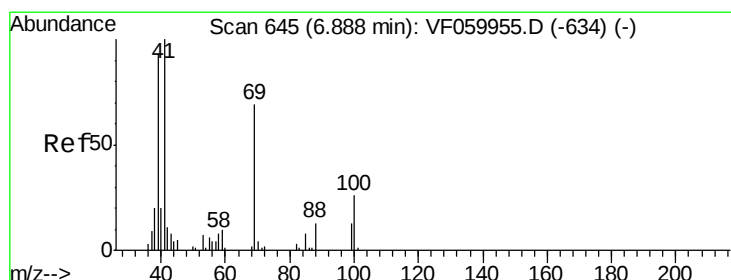
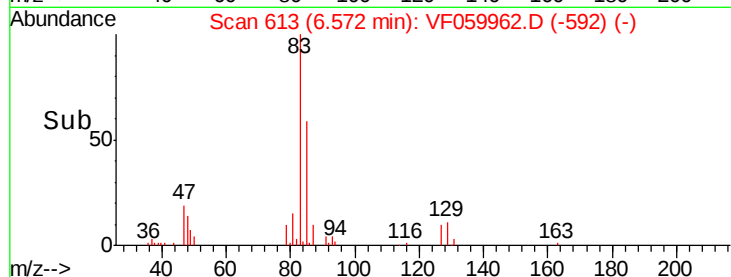
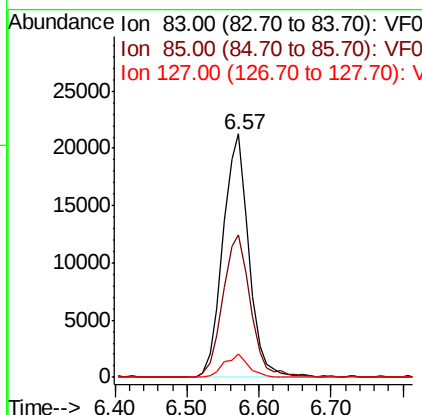
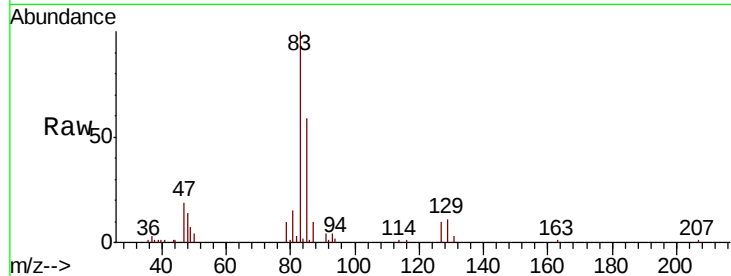
ClientSampleId :

VF0814SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 52870 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 58.5  | 51.5  | 77.3  |
| 127      | 9.5   | 7.5   | 11.3  |

Manual Integrations  
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#48

Methyl methacrylate

Concen: 19.52 ug/l

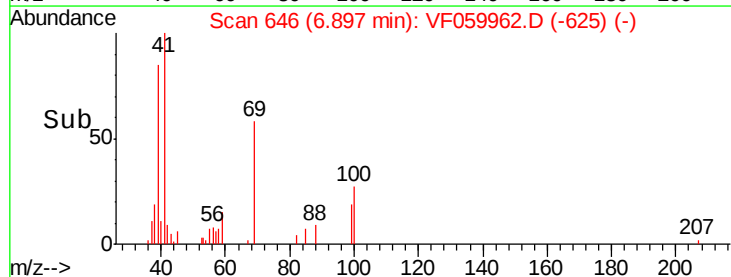
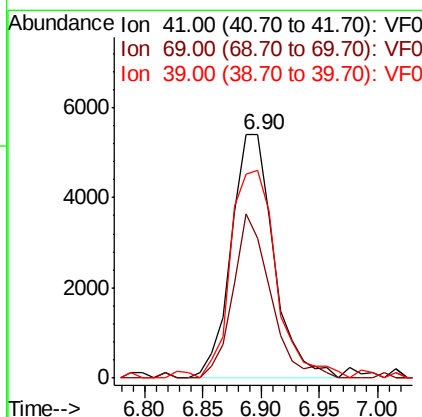
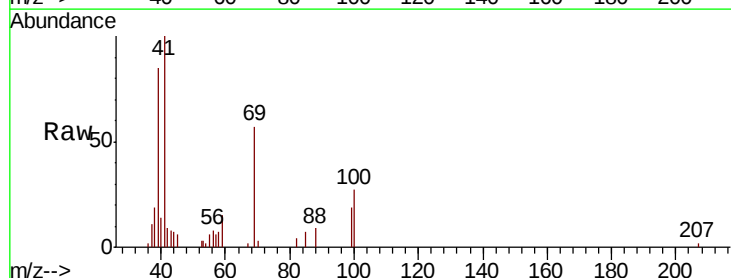
RT: 6.90 min Scan# 646

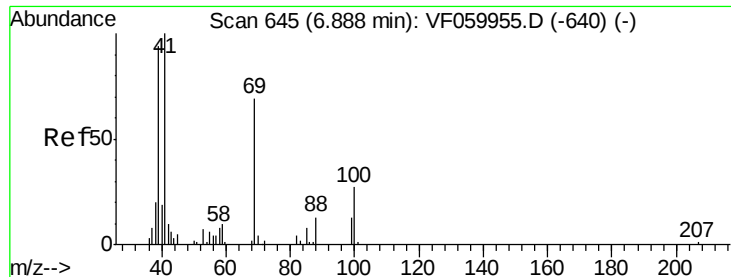
Delta R.T. 0.01 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 13744 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 57.3  | 54.8  | 82.2  |
| 39       | 85.3  | 75.1  | 112.7 |





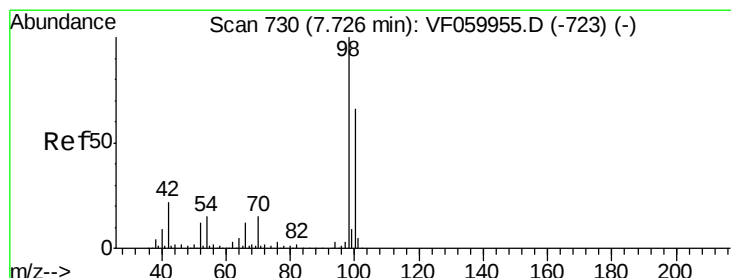
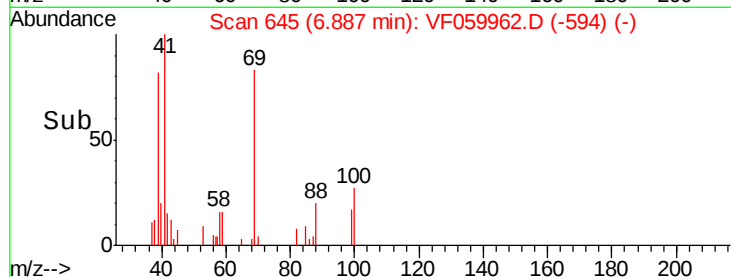
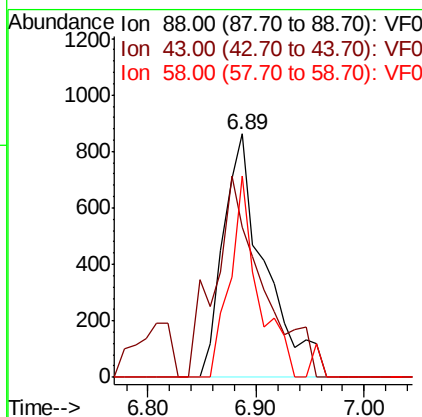
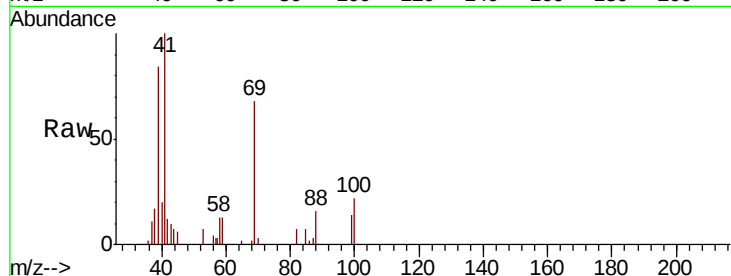
#49  
 1,4-Dioxane  
 Concen: 433.67 ug/l  
 RT: 6.89 min Scan# 645  
 Delta R.T. -0.00 min  
 Lab File: VF059962.D  
 Acq: 15 Aug 2018 00:14

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0814SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 61.6  | 47.9  | 71.9  |
| 58      | 82.6  | 52.0  | 78.0  |

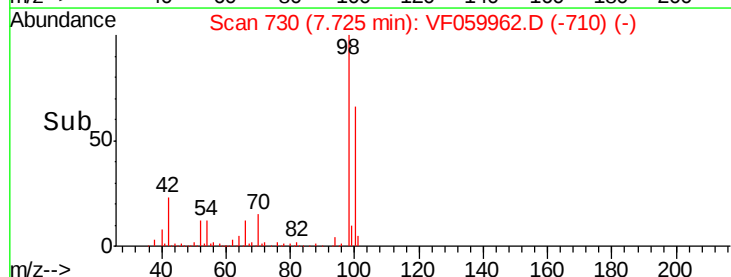
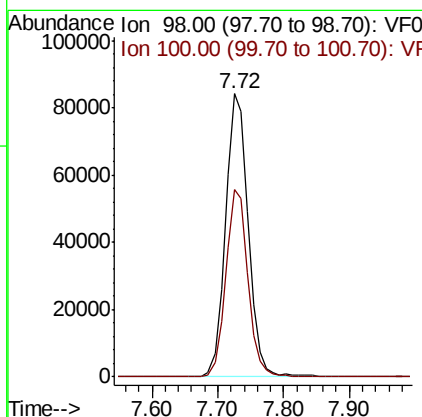
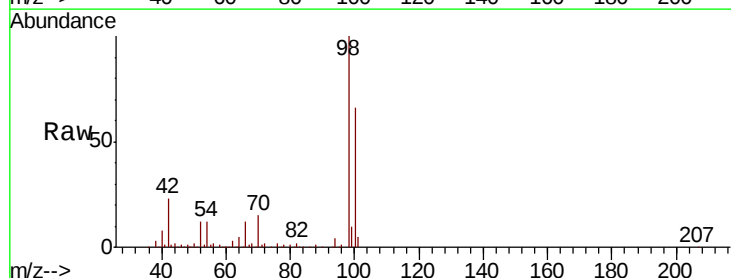
Manual Integrations  
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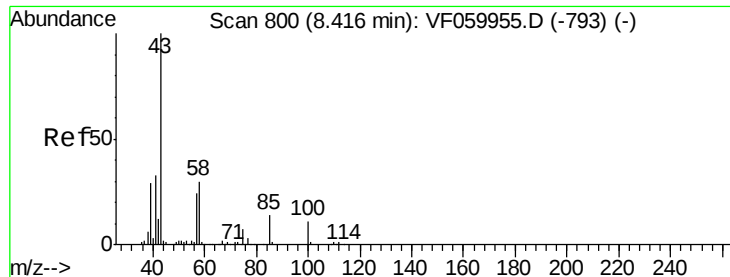
apatel  
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#50  
 Toluene-d8  
 Concen: 50.43 ug/l  
 RT: 7.72 min Scan# 730  
 Delta R.T. -0.00 min  
 Lab File: VF059962.D  
 Acq: 15 Aug 2018 00:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 66.1  | 52.9  | 79.3  |





#51

4-Methyl-2-Pentanone

Concen: 105.27 ug/l

RT: 8.42 min Scan# 801

Delta R.T. 0.01 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Instrument :

MSVOA\_F

ClientSampleId :

VF0814SBS01

Tot Ion: 43 Resp: 96405

Ion Ratio Lower Upper

43 100

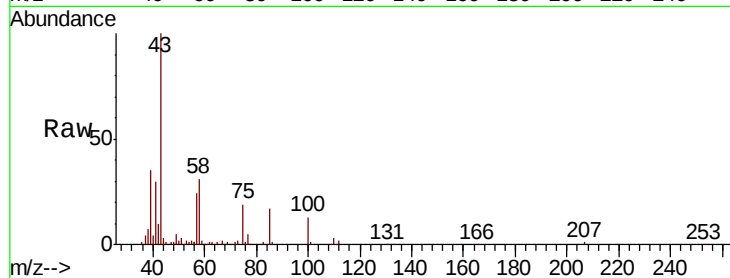
58 30.7 24.2 36.4

Manual Integrations

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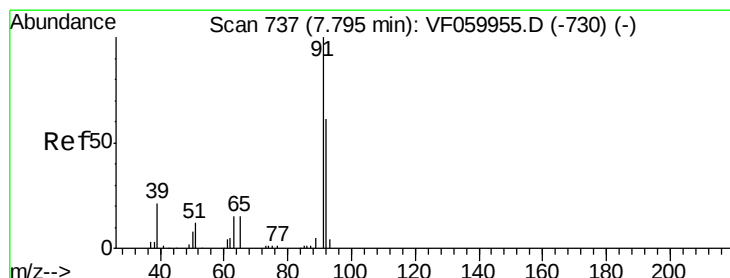
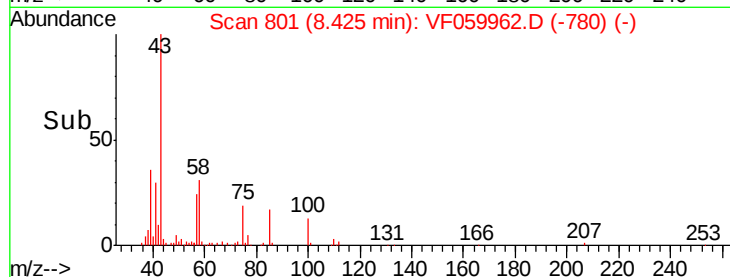
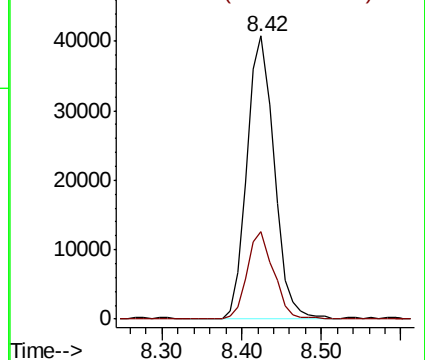
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 20.25 ug/l

RT: 7.79 min Scan# 737

Delta R.T. -0.00 min

Lab File: VF059962.D

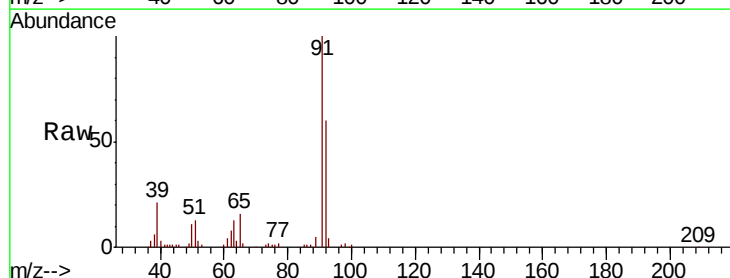
Acq: 15 Aug 2018 00:14

Tgt Ion: 92 Resp: 51441

Ion Ratio Lower Upper

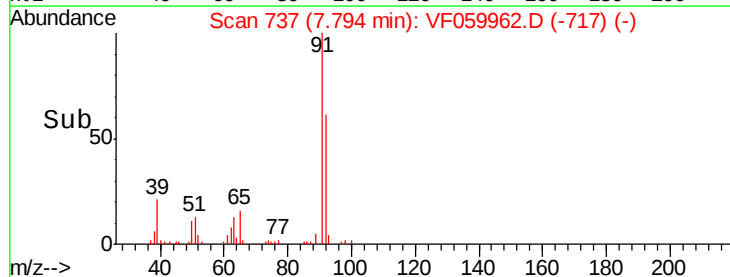
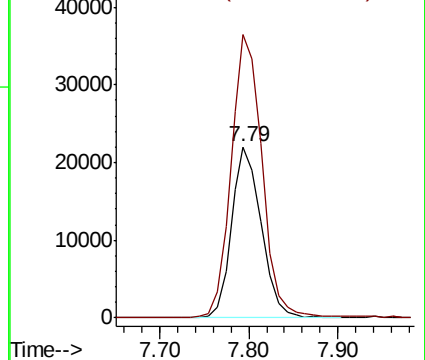
92 100

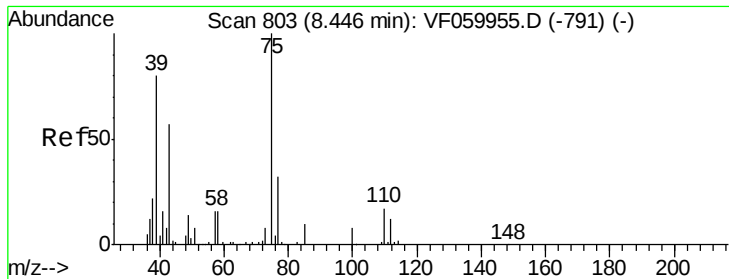
91 165.6 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 20.26 ug/l

RT: 8.44 min Scan# 803

Delta R.T. -0.00 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Tot Ion: 75 Resp: 42804

Ion Ratio Lower Upper

75 100

77 31.5 25.8 38.6

Instrument :

MSVOA\_F

ClientSampleId :

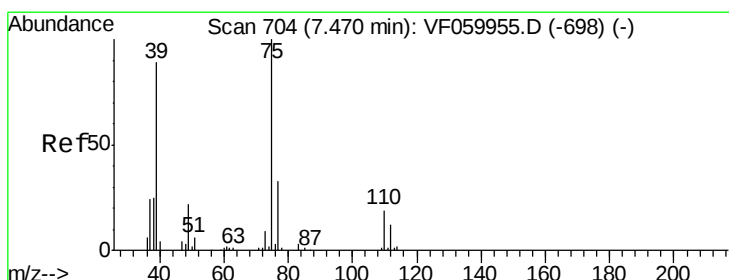
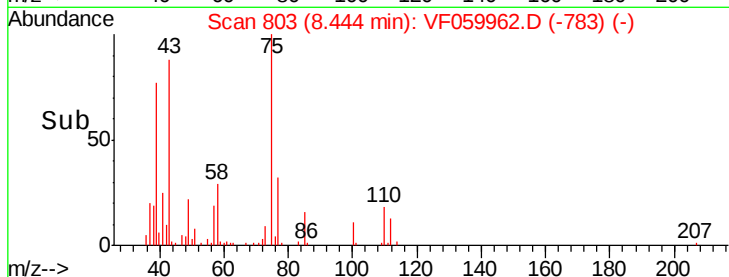
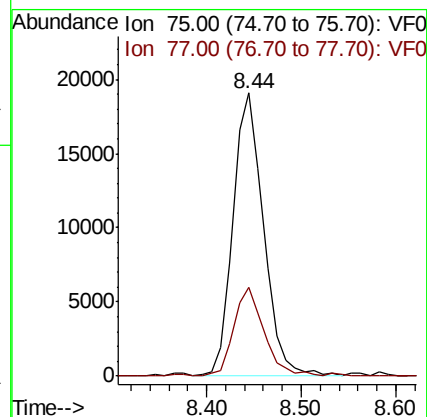
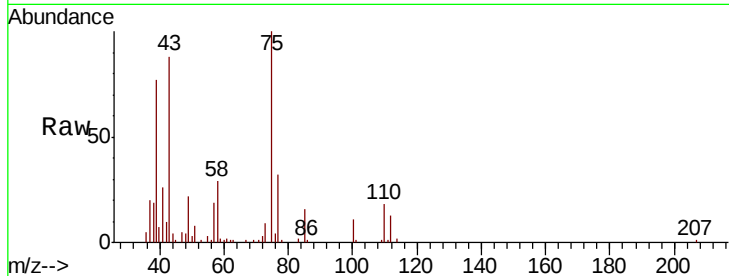
VF0814SBS01

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.53 ug/l

RT: 7.48 min Scan# 705

Delta R.T. 0.01 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

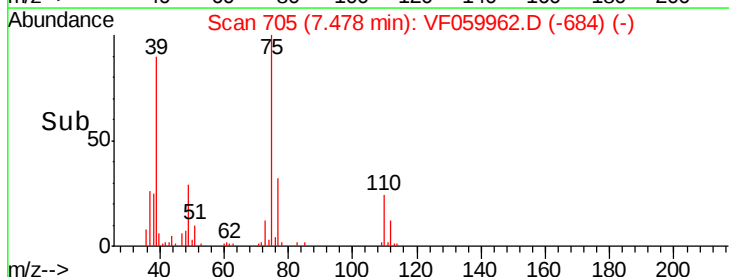
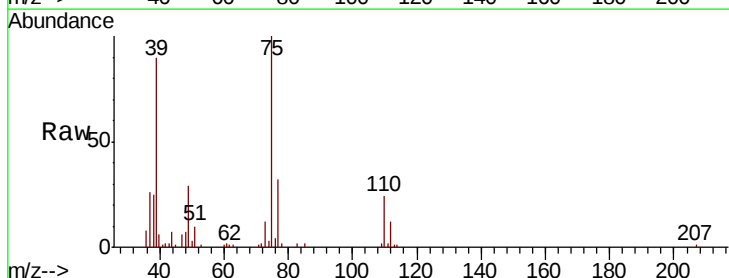
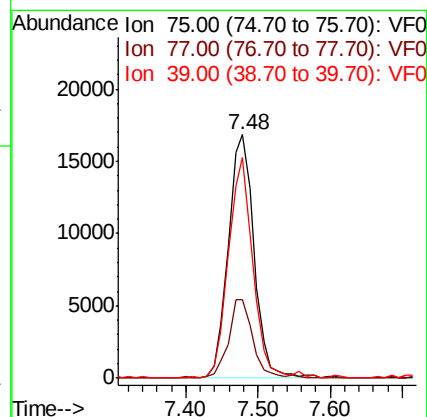
Tgt Ion: 75 Resp: 41752

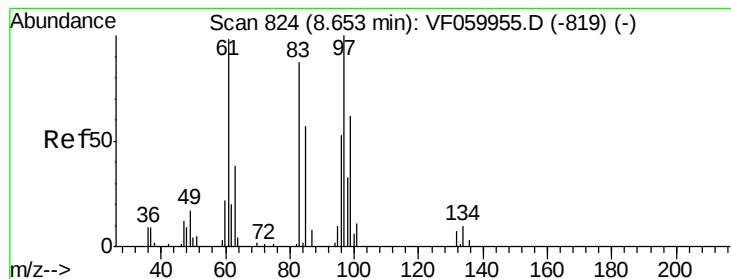
Ion Ratio Lower Upper

75 100

77 32.1 26.1 39.1

39 90.5 71.6 107.4





#55

1,1,2-Trichloroethane

Concen: 21.02 ug/l

RT: 8.66 min Scan# 825

Delta R.T. 0.01 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Instrument :

MSVOA\_F

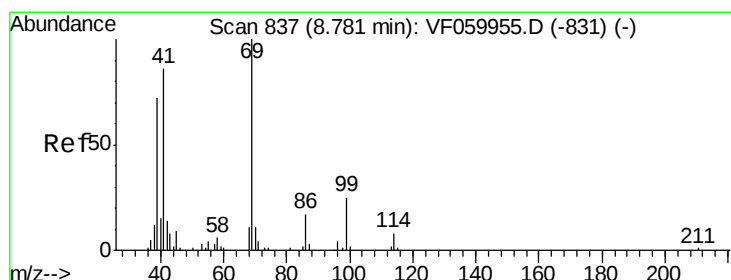
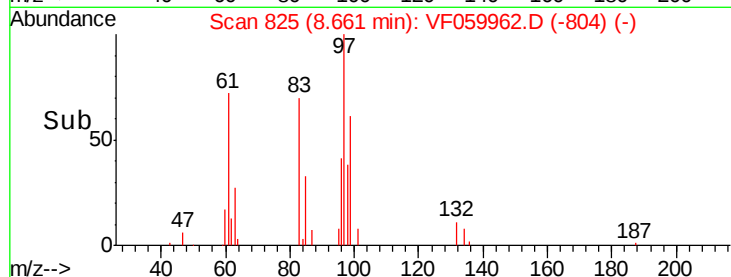
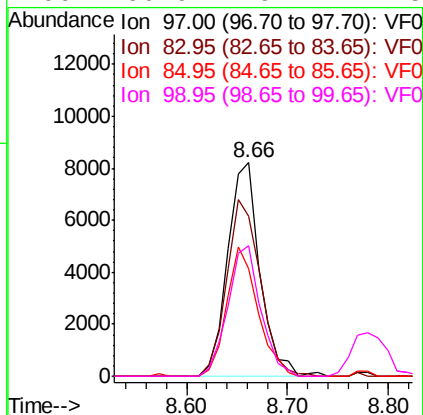
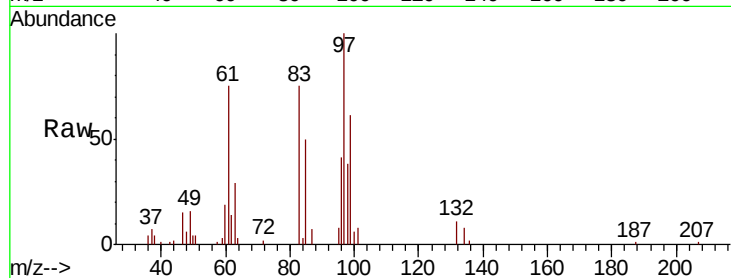
ClientSampleId :

VF0814SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 18250 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 75.1  | 70.0  | 105.0 |
| 85       | 50.3  | 45.2  | 67.8  |
| 99       | 60.9  | 49.7  | 74.5  |

Manual Integrations  
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8/16/2018 12:17:12 PM



#56

Ethyl methacrylate

Concen: 19.35 ug/l

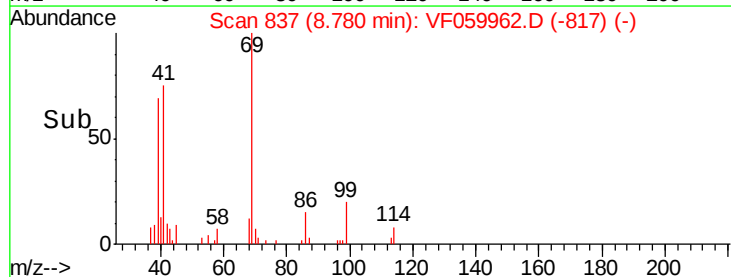
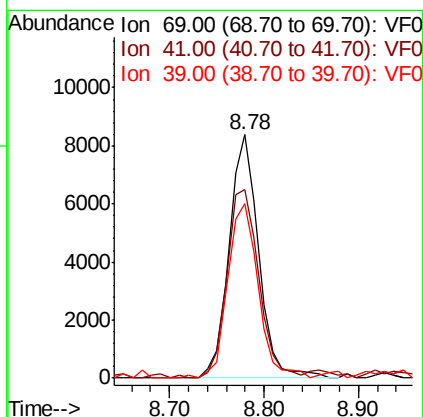
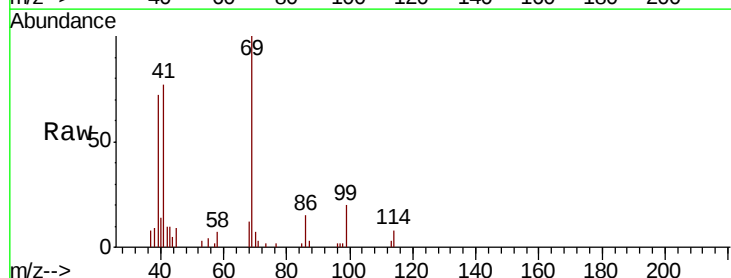
RT: 8.78 min Scan# 837

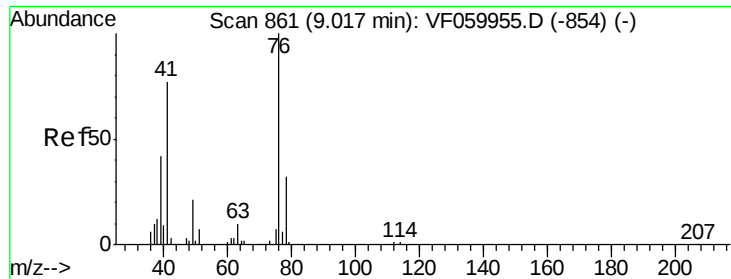
Delta R.T. -0.00 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 18048 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 77.2  | 68.7  | 103.1 |
| 39       | 71.6  | 58.5  | 87.7  |





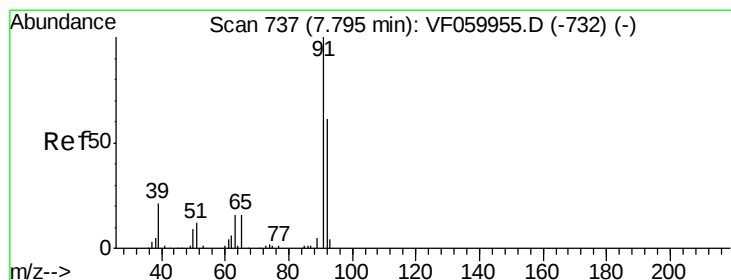
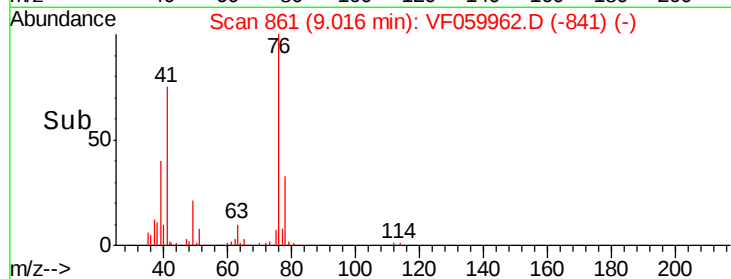
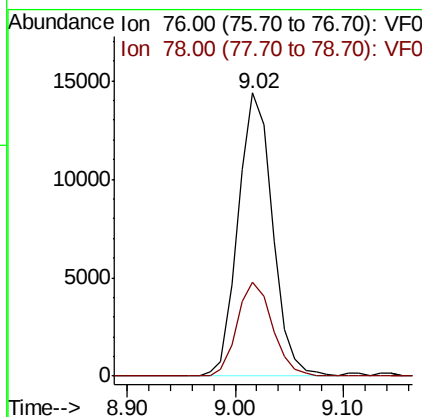
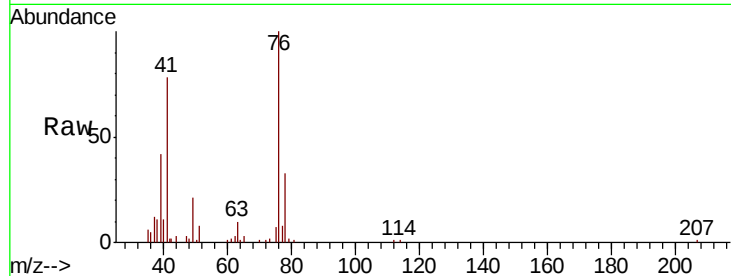
#57  
 1,3-Dichloropropane  
 Concen: 19.99 ug/l  
 RT: 9.02 min Scan# 861  
 Delta R.T. -0.00 min  
 Lab File: VF059962.D  
 Acq: 15 Aug 2018 00:14

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0814SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 33.3  | 25.5  | 38.3  |

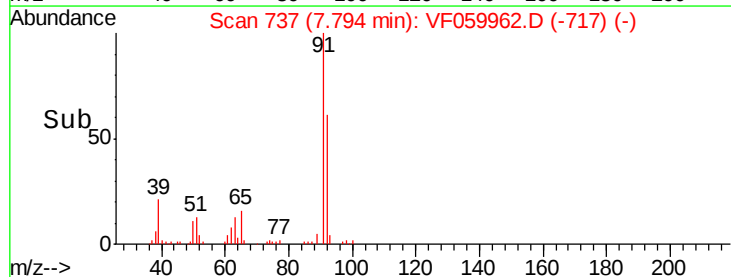
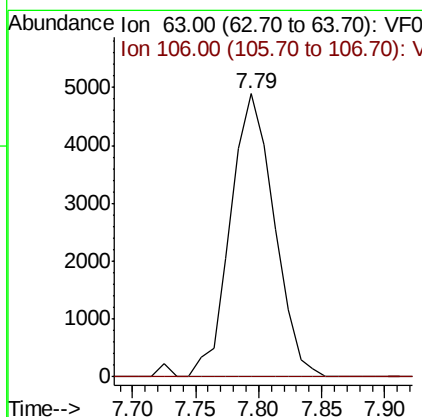
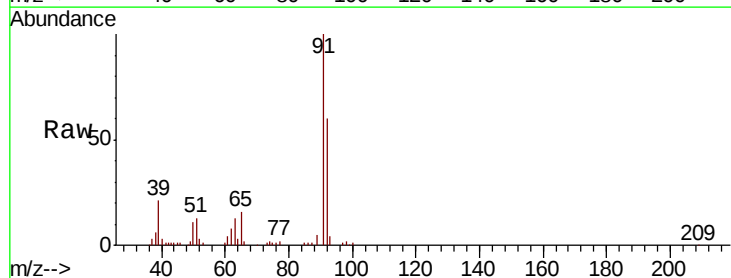
Manual Integrations  
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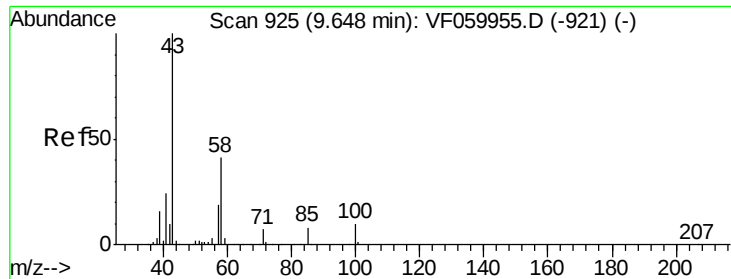
apatel  
 8/16/2018 12:17:12 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 93.59 ug/l  
 RT: 7.79 min Scan# 737  
 Delta R.T. -0.00 min  
 Lab File: VF059962.D  
 Acq: 15 Aug 2018 00:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 0.0   | 0.0   | 0.0   |





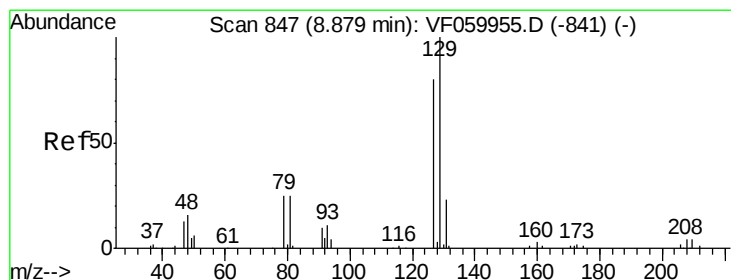
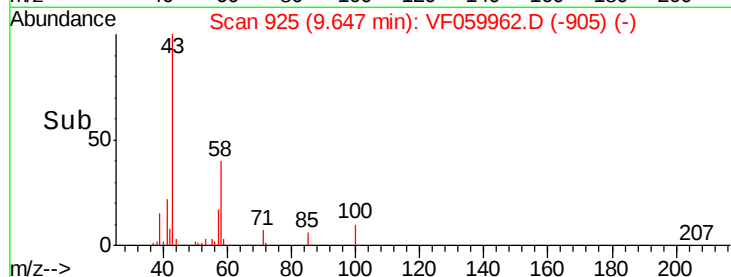
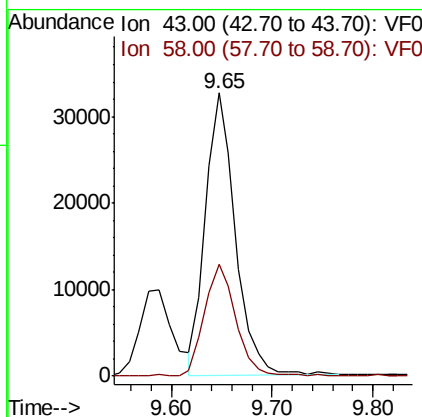
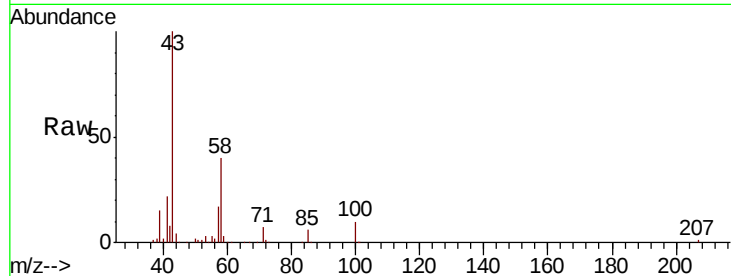
#59  
2-Hexanone  
Concen: 100.71 ug/l  
RT: 9.65 min Scan# 925  
Delta R.T. -0.00 min  
Lab File: VF059962.D  
Acq: 15 Aug 2018 00:14

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0814SBSD01

| Tot Ion   | 43   | Resp  | 67270 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 43        | 100  |       |       |
| 58        | 39.7 | 19.4  | 58.2  |

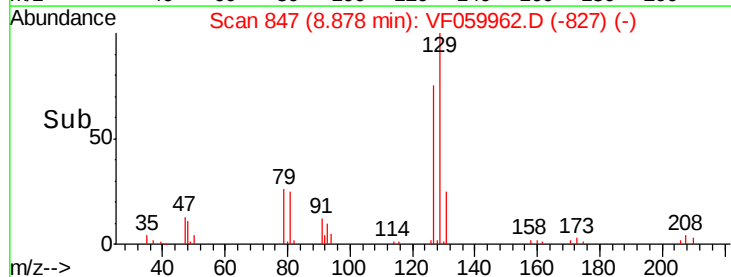
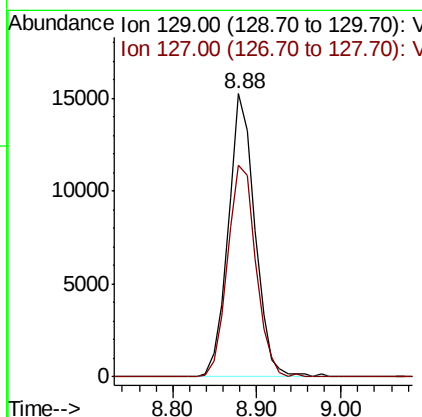
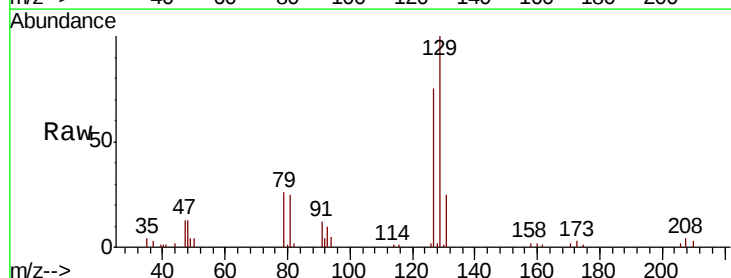
Manual Integrations  
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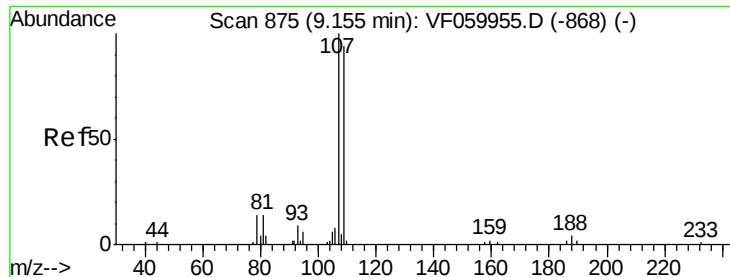
apatel  
8/16/2018 12:17:12 PM



#60  
Dibromochloromethane  
Concen: 19.58 ug/l  
RT: 8.88 min Scan# 847  
Delta R.T. -0.00 min  
Lab File: VF059962.D  
Acq: 15 Aug 2018 00:14

| Tgt Ion   | 129  | Resp | 33641 |       |
|-----------|------|------|-------|-------|
| Ion Ratio | 129  | 100  | Lower | Upper |
| 129       | 100  |      |       |       |
| 127       | 74.8 | 40.0 | 119.9 |       |





#61

1,2-Dibromoethane

Concen: 20.26 ug/l

RT: 9.15 min Scan# 875

Delta R.T. -0.00 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Instrument :

MSVOA\_F

ClientSampleId :

VF0814SBS01

Tot Ion:107 Resp: 21946

Ion Ratio Lower Upper

107 100

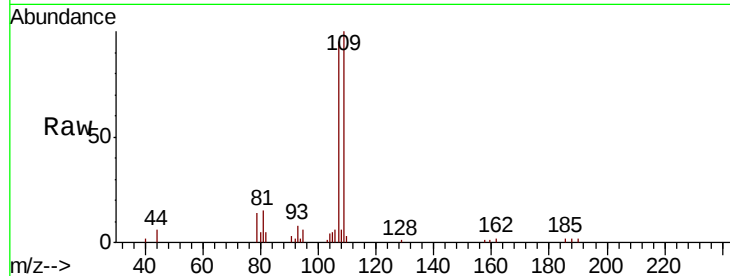
109 104.7 75.0 112.6

Manual Integrations

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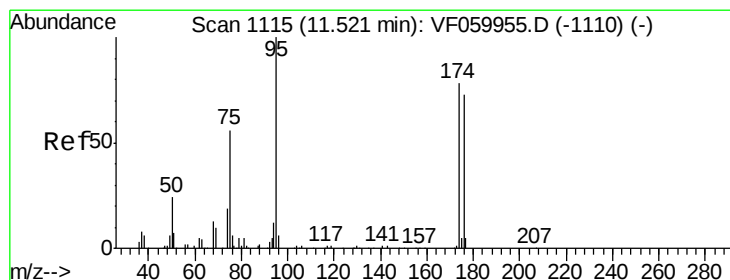
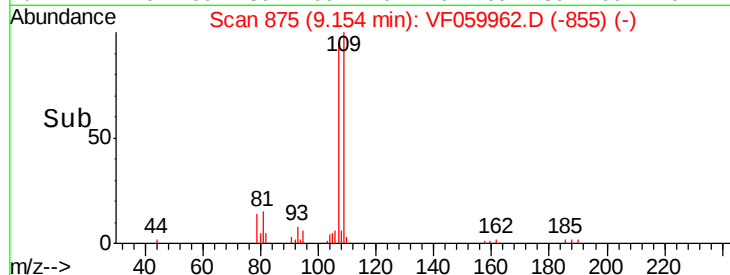
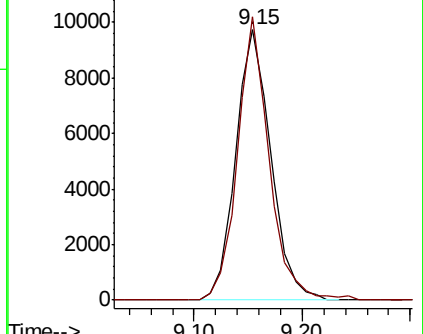
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 46.27 ug/l

RT: 11.52 min Scan# 1115

Delta R.T. -0.00 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

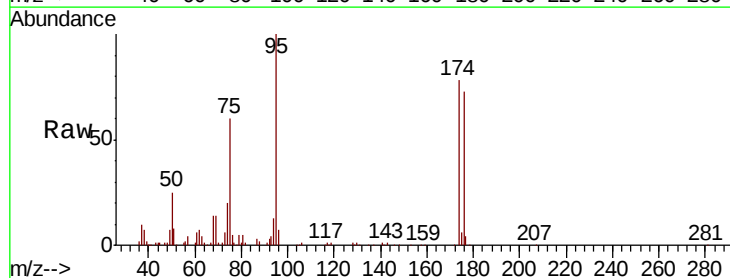
Tgt Ion: 95 Resp: 102447

Ion Ratio Lower Upper

95 100

174 77.6 0.0 156.4

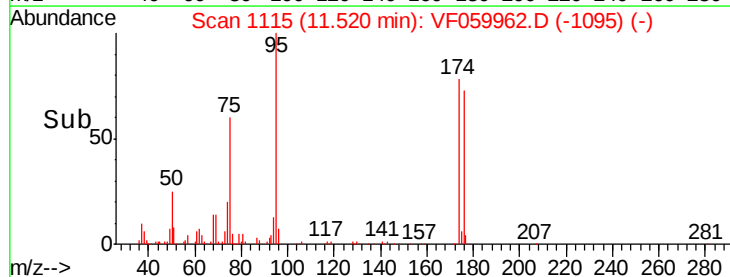
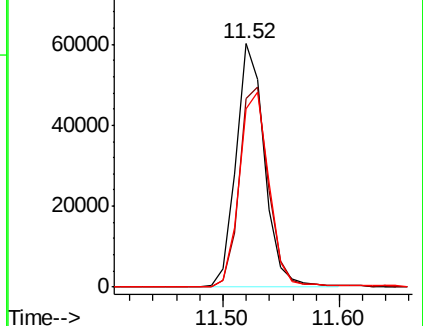
176 73.4 0.0 146.8

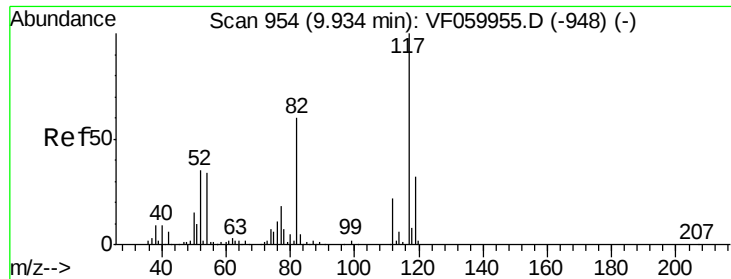


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





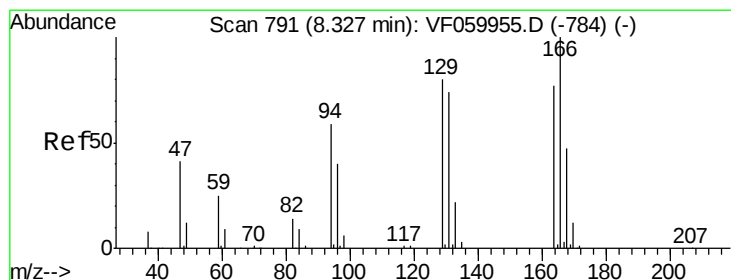
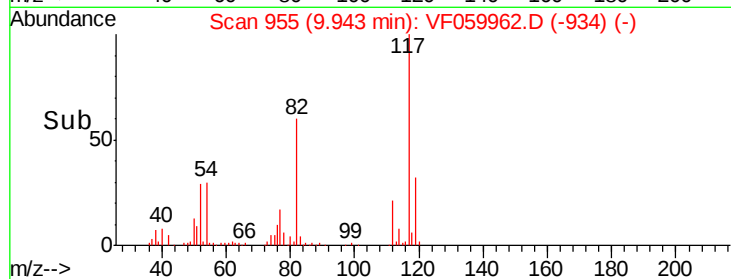
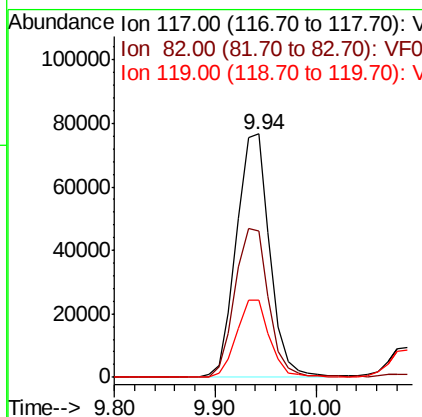
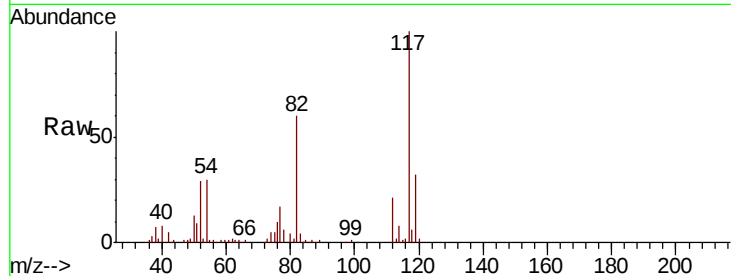
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 9.94 min Scan# 955  
Delta R.T. 0.01 min  
Lab File: VF059962.D  
Acq: 15 Aug 2018 00:14

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0814SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 176939 |       |       |
| 82      | 60.0  |        | 48.3  | 72.5  |
| 119     | 31.9  |        | 25.7  | 38.5  |

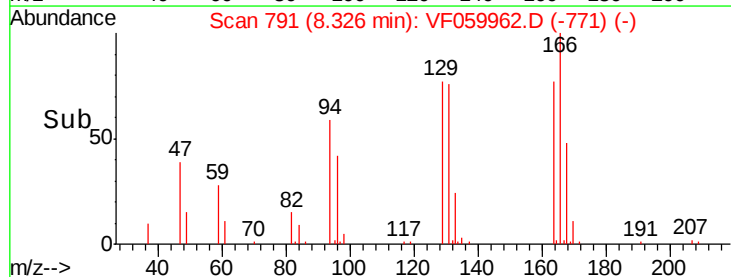
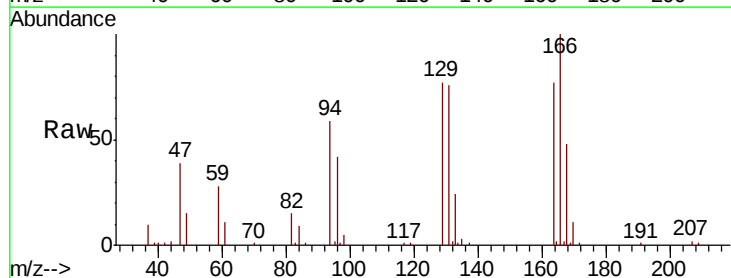
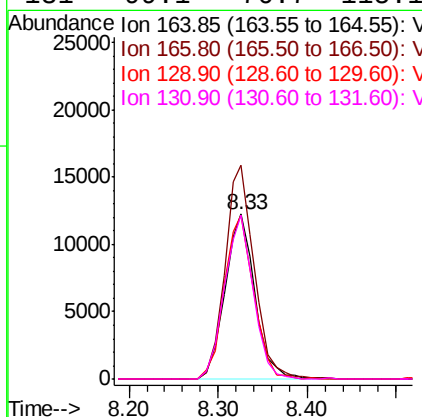
Manual Integrations  
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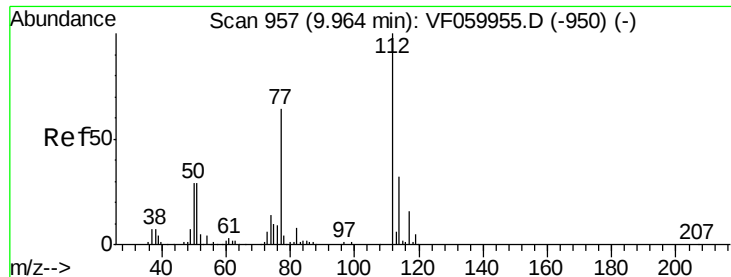
apatel  
8/16/2018 12:17:12 PM



#64  
Tetrachloroethene  
Concen: 20.89 ug/l  
RT: 8.33 min Scan# 791  
Delta R.T. -0.00 min  
Lab File: VF059962.D  
Acq: 15 Aug 2018 00:14

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 28779 |       |       |
| 166     | 129.6 |       | 103.4 | 155.2 |
| 129     | 99.7  |       | 82.2  | 123.4 |
| 131     | 99.1  |       | 76.7  | 115.1 |





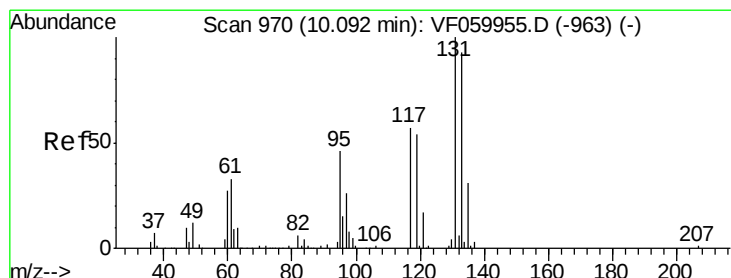
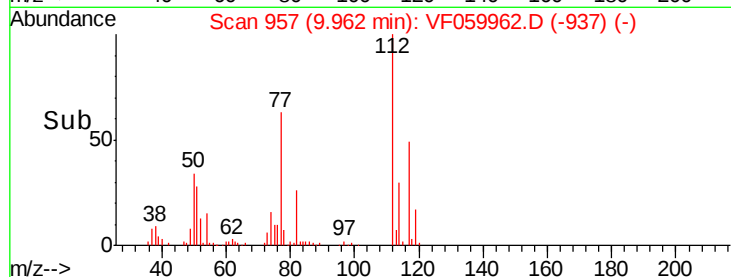
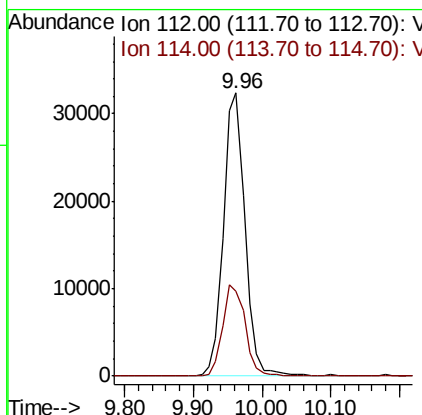
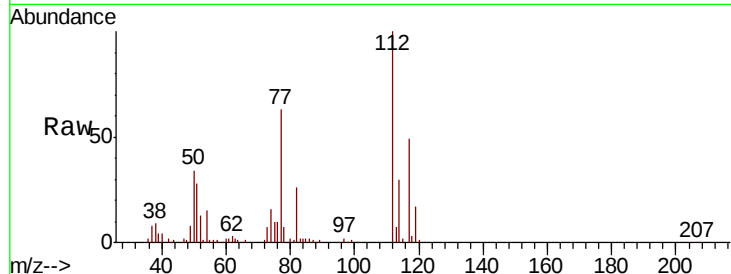
#65  
Chlorobenzene  
Concen: 20.56 ug/l  
RT: 9.96 min Scan# 957  
Delta R.T. -0.00 min  
Lab File: VF059962.D  
Acq: 15 Aug 2018 00:14

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0814SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 30.1  | 25.8  | 38.6  |

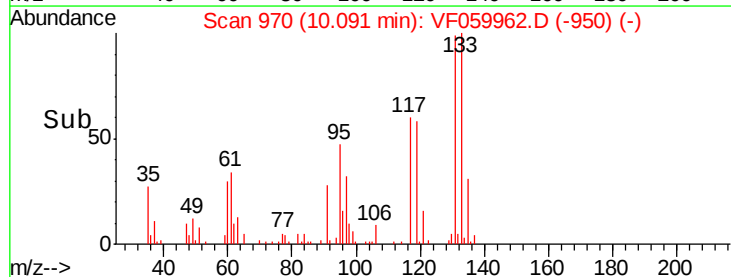
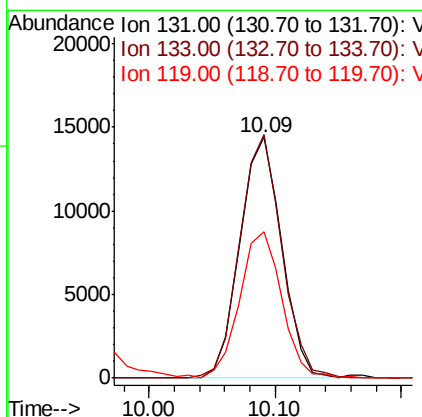
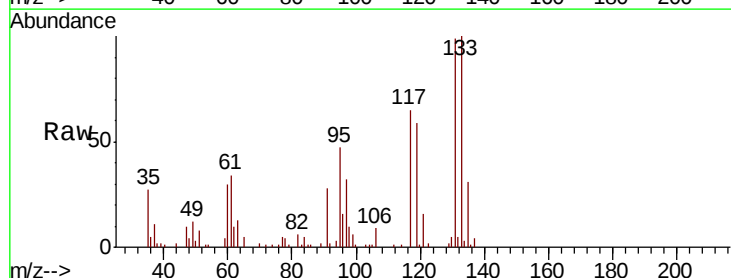
Manual Integrations  
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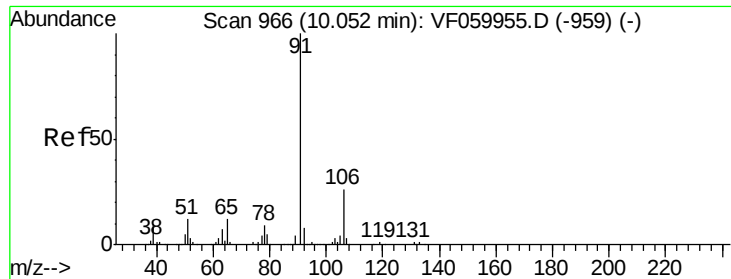
apatel  
8/16/2018 12:17:12 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.03 ug/l  
RT: 10.09 min Scan# 970  
Delta R.T. -0.00 min  
Lab File: VF059962.D  
Acq: 15 Aug 2018 00:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 101.2 | 46.4  | 139.1 |
| 119     | 61.1  | 27.2  | 81.5  |





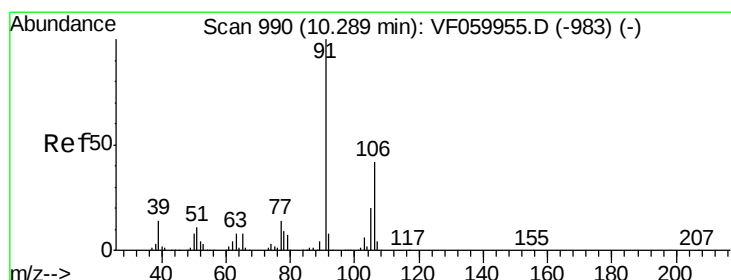
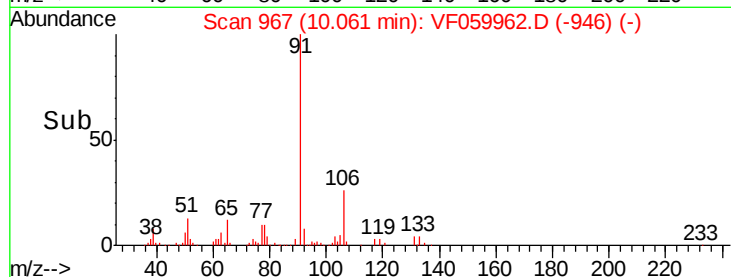
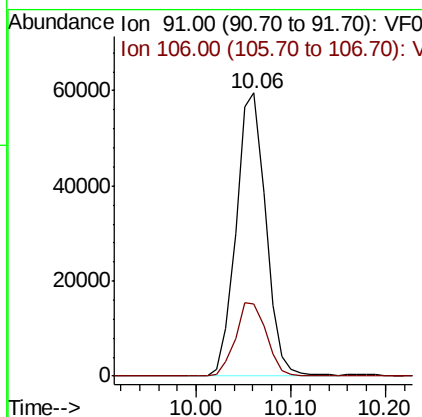
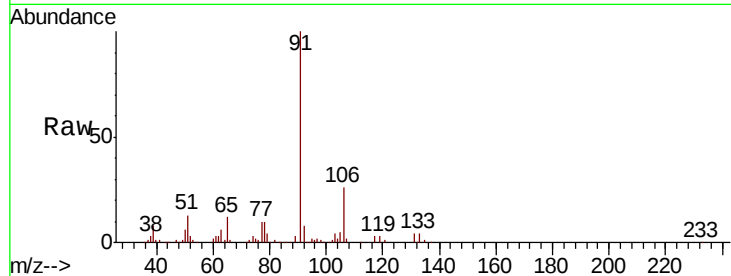
#67  
Ethyl Benzene  
Concen: 21.43 ug/l  
RT: 10.06 min Scan# 967  
Delta R.T. 0.01 min  
Lab File: VF059962.D  
Acq: 15 Aug 2018 00:14

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0814SBS01

Tot Ion: 91 Resp: 129380  
Ion Ratio Lower Upper  
91 100  
106 25.5 20.7 31.1

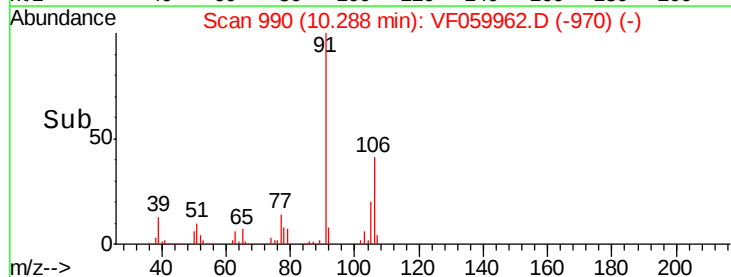
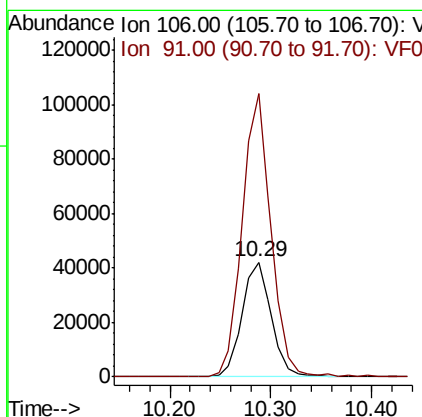
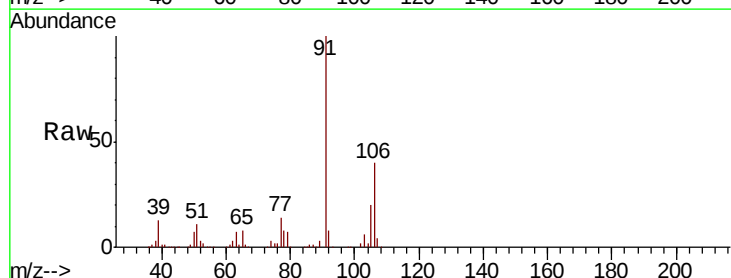
Manual Integrations  
APPROVED

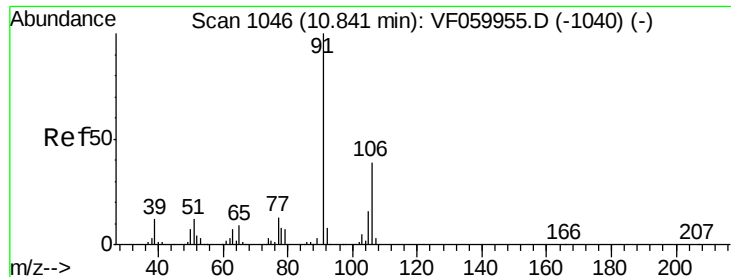
apatel  
8/16/2018 12:17:12 PM



#68  
m/p-Xylenes  
Concen: 41.94 ug/l  
RT: 10.29 min Scan# 990  
Delta R.T. -0.00 min  
Lab File: VF059962.D  
Acq: 15 Aug 2018 00:14

Tgt Ion:106 Resp: 85144  
Ion Ratio Lower Upper  
106 100  
91 247.0 191.8 287.8





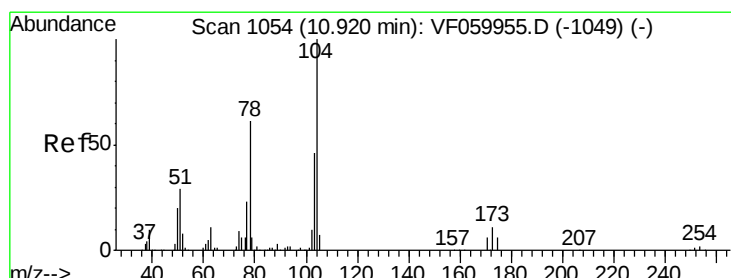
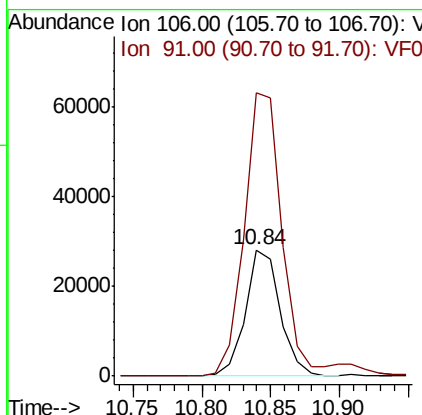
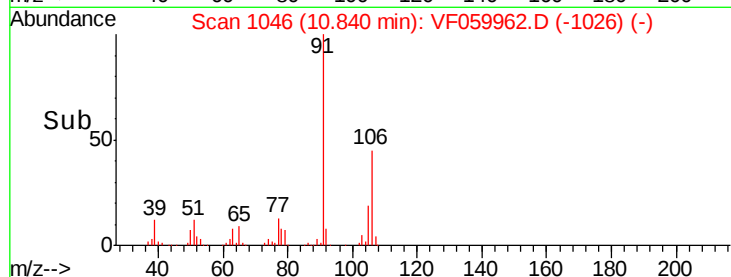
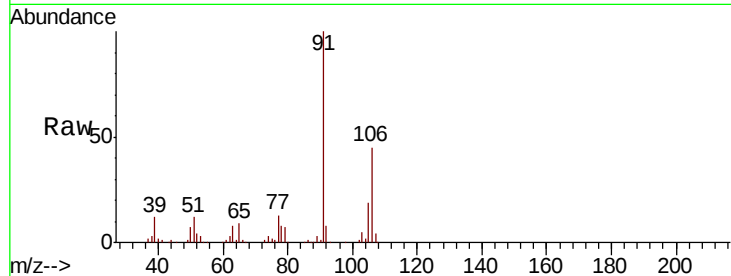
#69  
o-Xylene  
Concen: 22.58 ug/l  
RT: 10.84 min Scan# 1046  
Delta R.T. -0.00 min  
Lab File: VF059962.D  
Acq: 15 Aug 2018 00:14

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0814SBS01

Tot Ion:106 Resp: 49788  
Ion Ratio Lower Upper  
106 100  
91 224.3 126.8 380.6

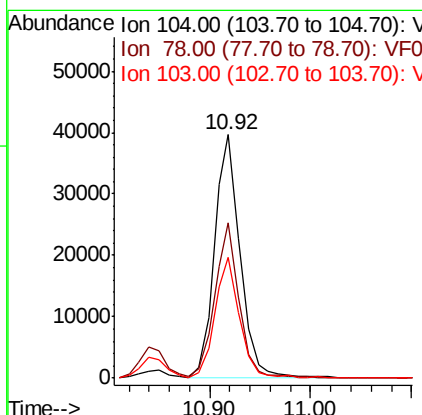
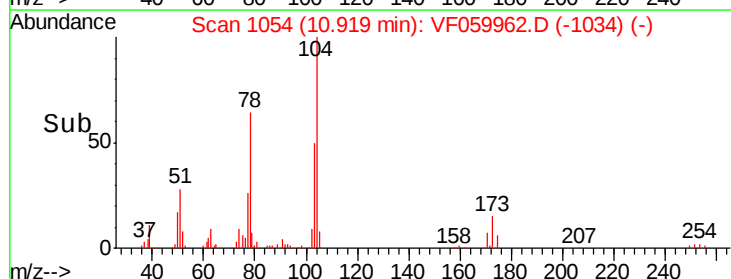
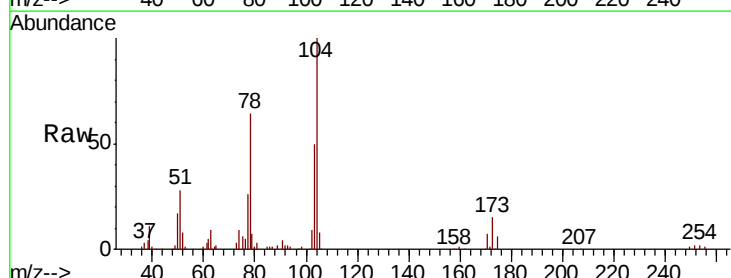
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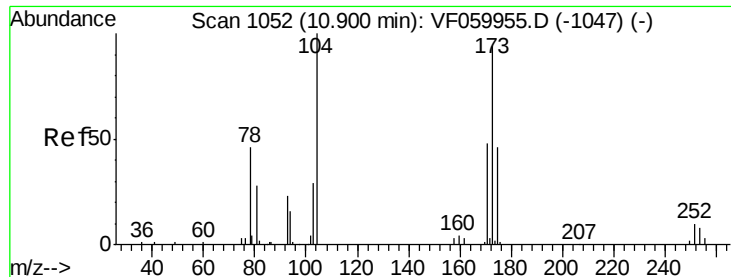
apatel  
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#70  
Styrene  
Concen: 21.62 ug/l  
RT: 10.92 min Scan# 1054  
Delta R.T. -0.00 min  
Lab File: VF059962.D  
Acq: 15 Aug 2018 00:14

Tgt Ion:104 Resp: 70534  
Ion Ratio Lower Upper  
104 100  
78 63.9 49.2 73.8  
103 49.6 37.4 56.0





#71

Bromoform

Concen: 20.85 ug/l

RT: 10.91 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Instrument :

MSVOA\_F

ClientSampleId :

VF0814SBSD01

Tot Ion:173 Resp: 21418

Ion Ratio Lower Upper

173 100

175 53.7 24.6 73.6

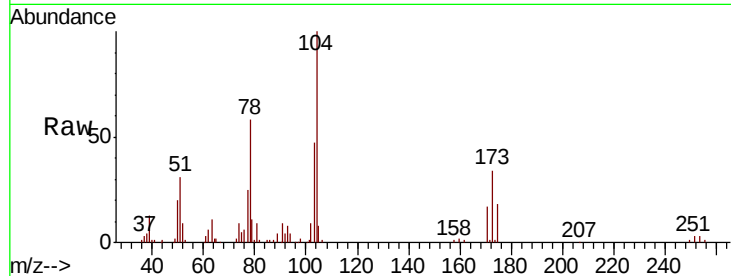
254 0.0 0.0 0.0

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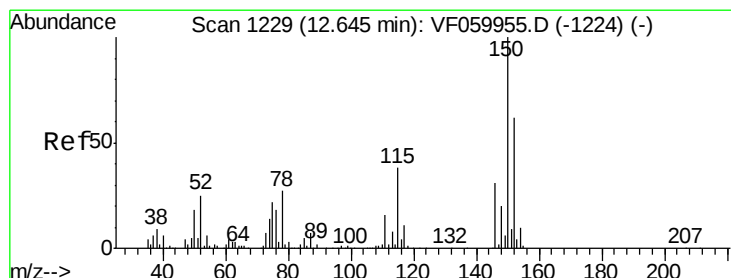
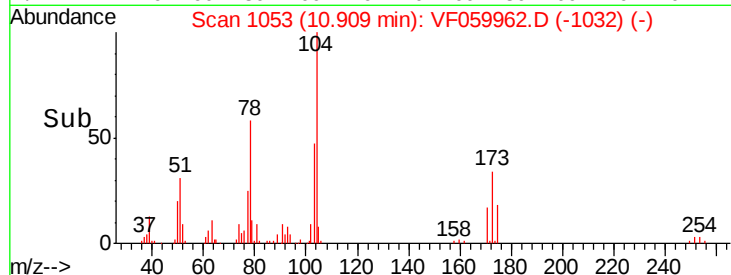
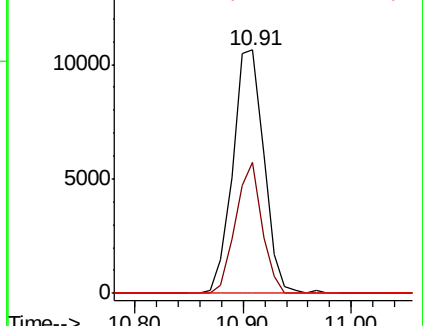
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Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.64 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

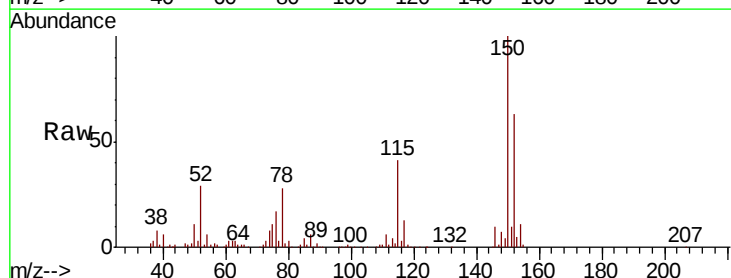
Tgt Ion:152 Resp: 111192

Ion Ratio Lower Upper

152 100

115 65.8 31.4 94.0

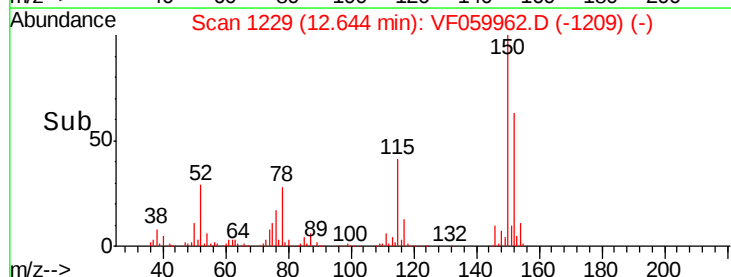
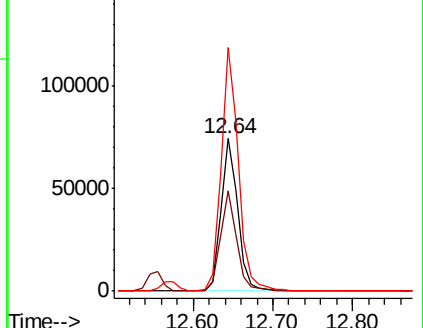
150 159.9 0.0 326.2

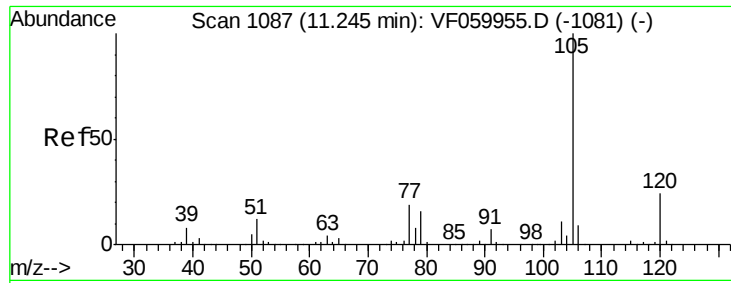


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 22.01 ug/l

RT: 11.24 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Instrument :

MSVOA\_F

ClientSampleId :

VF0814SBS01

Tot Ion: 105 Resp: 153899

Ion Ratio Lower Upper

105 100

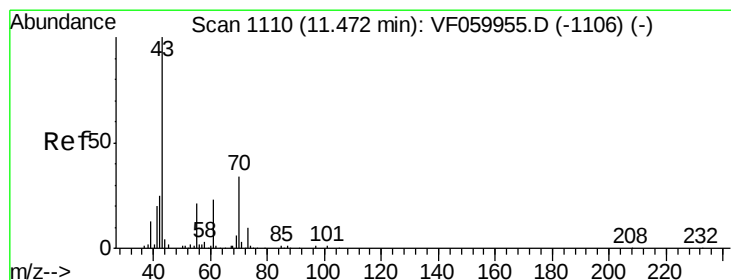
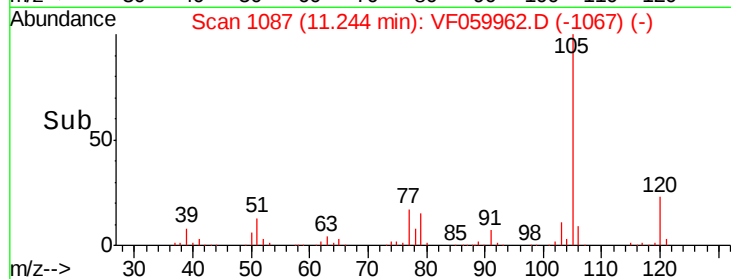
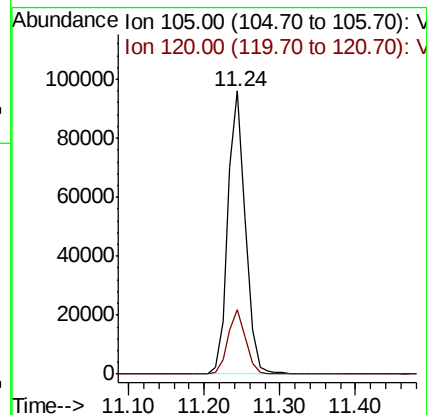
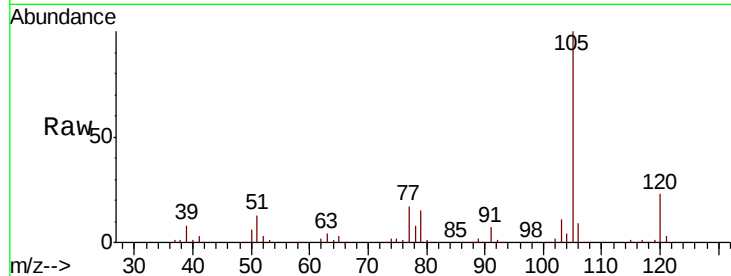
120 22.9 11.9 35.9

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#74

N-ethyl acetate

Concen: 20.74 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Tgt Ion: 43 Resp: 31960

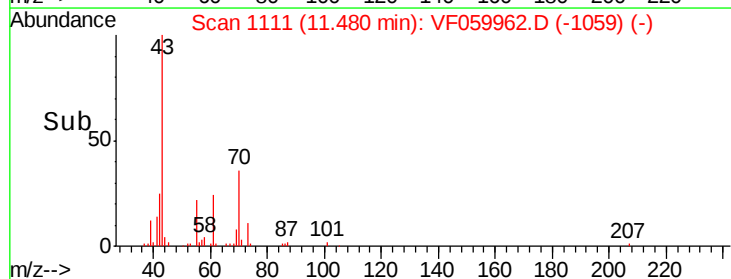
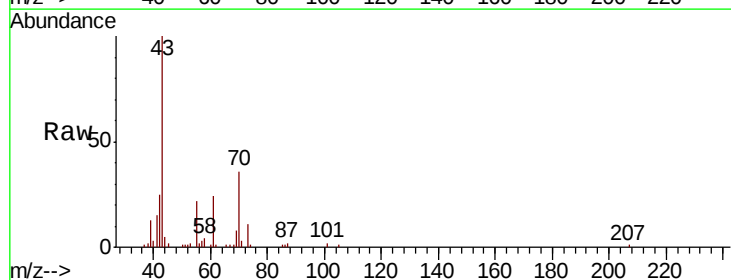
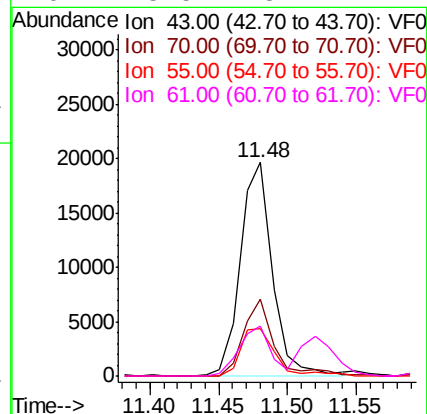
Ion Ratio Lower Upper

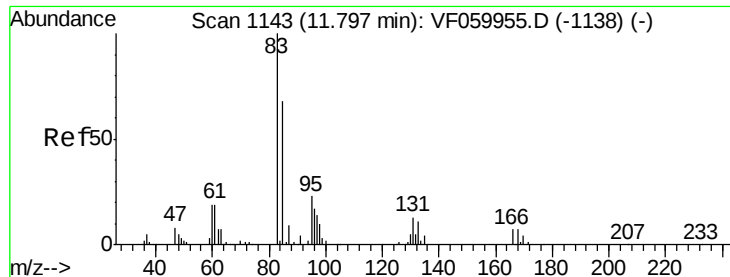
43 100

70 36.2 26.9 40.3

55 22.2 16.9 25.3

61 23.5 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.57 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Instrument :

MSVOA\_F

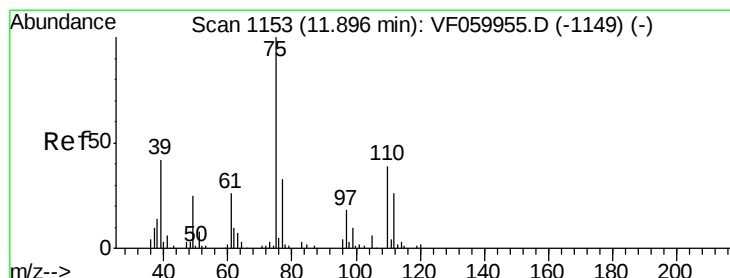
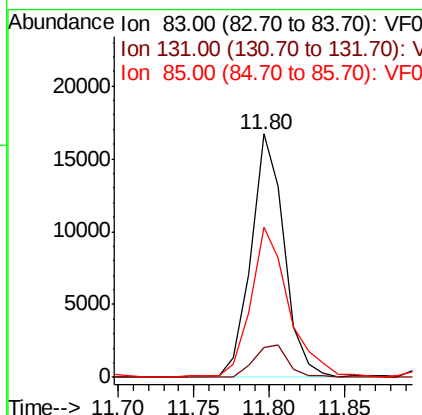
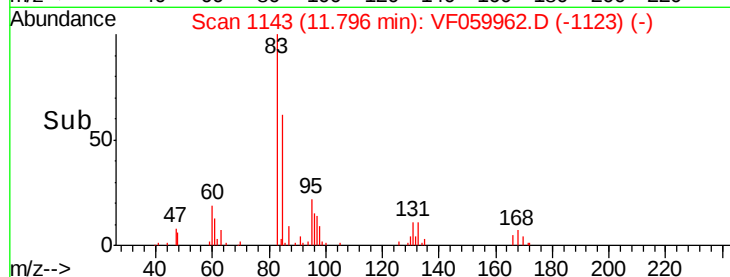
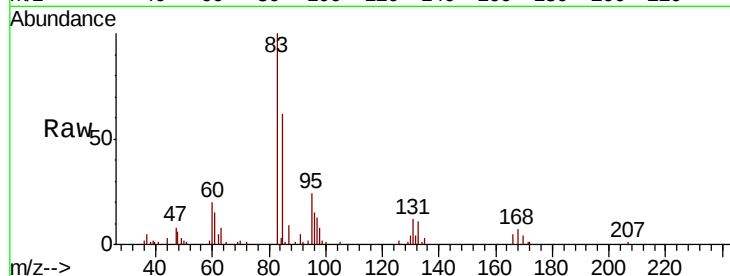
ClientSampleId :

VF0814SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 25361 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 12.1  | 6.3   | 19.1  |
| 85        | 63.0  | 33.9  | 101.7 |

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#76

1,2,3-Trichloropropane

Concen: 20.43 ug/l

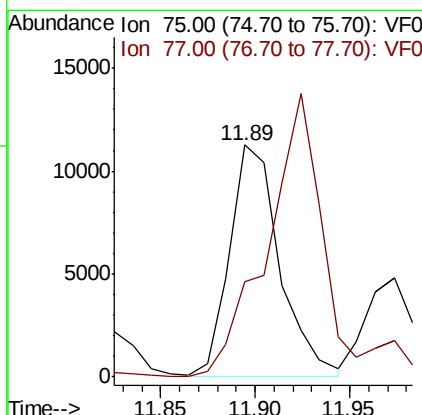
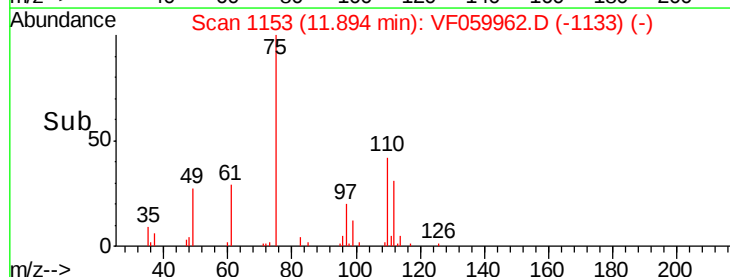
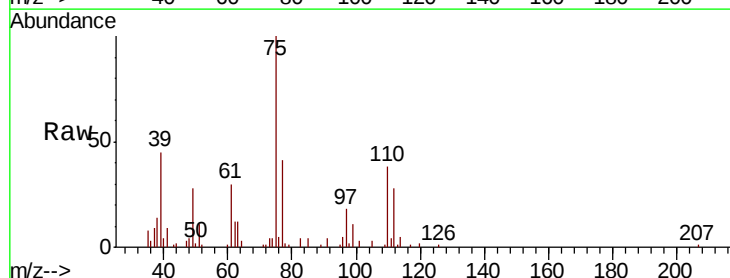
RT: 11.89 min Scan# 1153

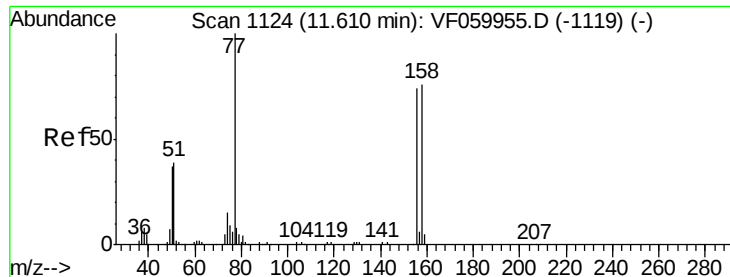
Delta R.T. -0.00 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 20705 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 40.9  | 16.6  | 49.7  |





#77

Bromobenzene

Concen: 21.33 ug/l

RT: 11.61 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Instrument :

MSVOA\_F

ClientSampleId :

VF0814SBS01

Tot Ion:156 Resp: 39138

Ion Ratio Lower Upper

156 100

77 137.3 67.8 203.2

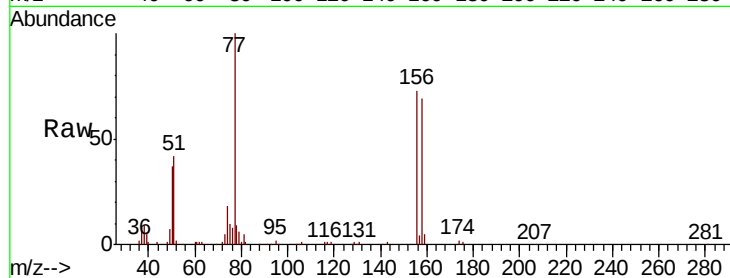
158 94.1 51.7 155.2

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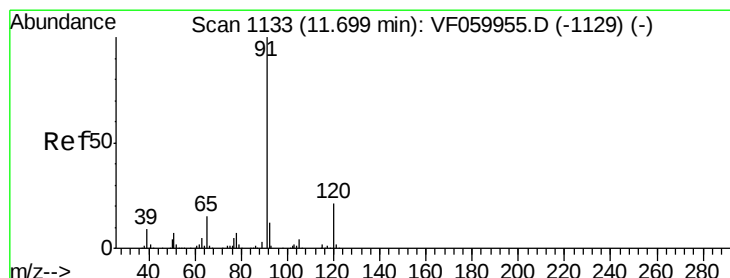
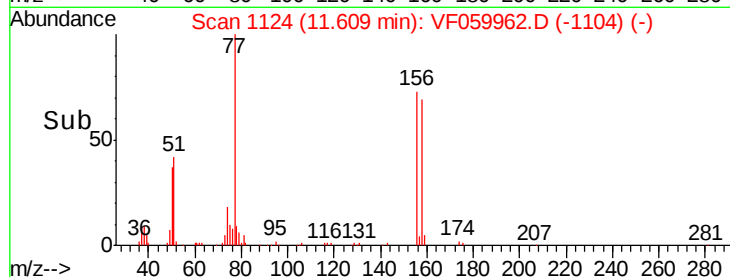
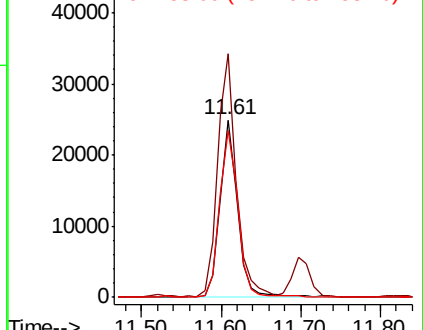
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 22.18 ug/l

RT: 11.70 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VF059962.D

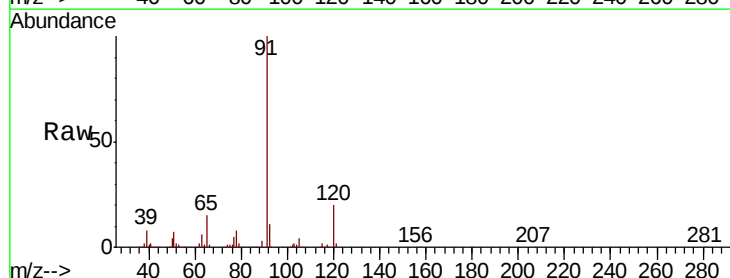
Acq: 15 Aug 2018 00:14

Tgt Ion: 91 Resp: 181997

Ion Ratio Lower Upper

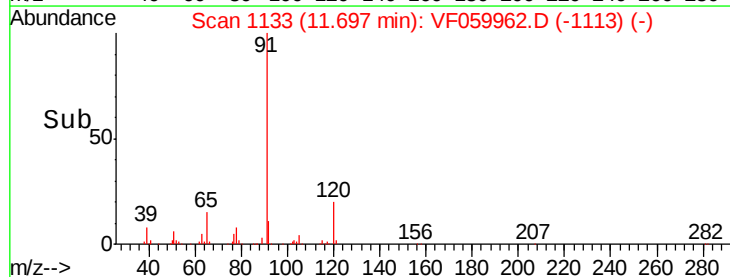
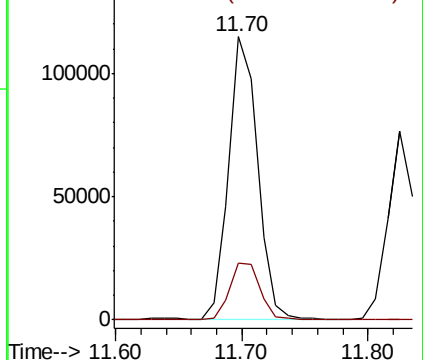
91 100

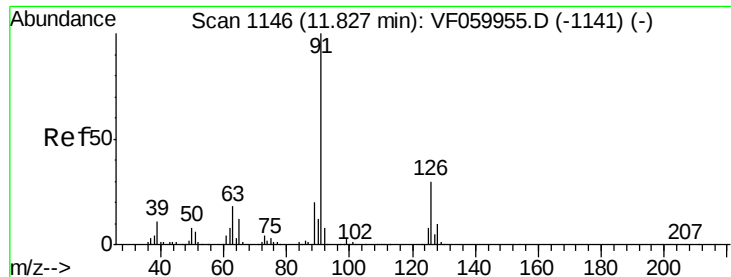
120 20.2 10.4 31.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.77 ug/l

RT: 11.83 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Instrument :

MSVOA\_F

ClientSampleId :

VF0814SBS01

Tot Ion: 91 Resp: 111956

Ion Ratio Lower Upper

91 100

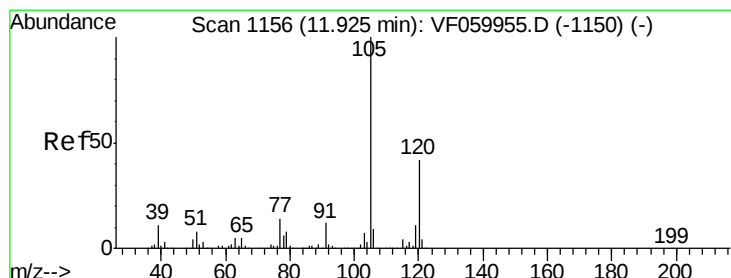
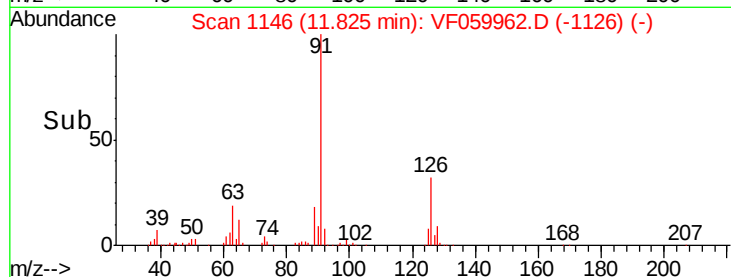
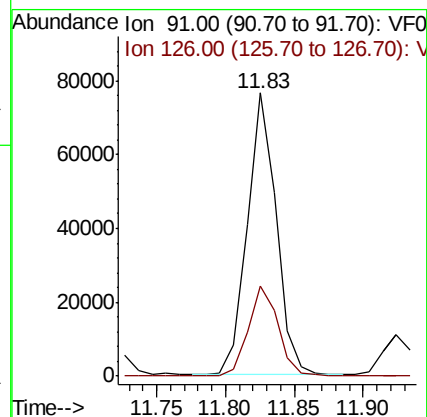
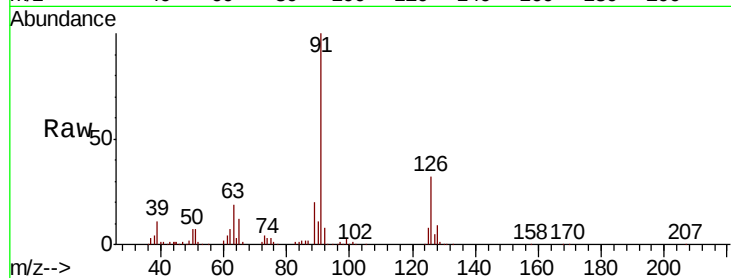
126 31.7 15.2 45.5

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#80

1,3,5-Trimethylbenzene

Concen: 21.97 ug/l

RT: 11.92 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VF059962.D

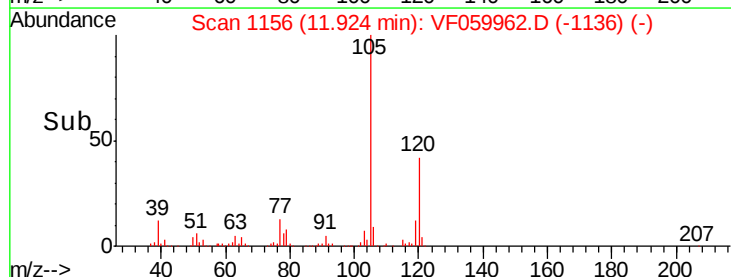
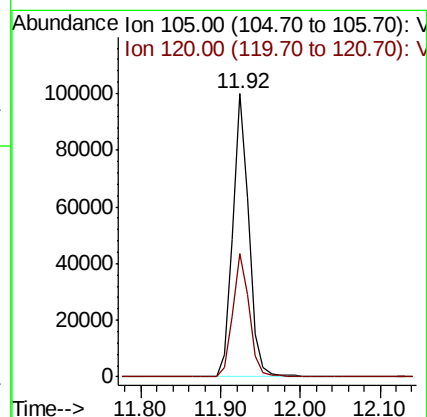
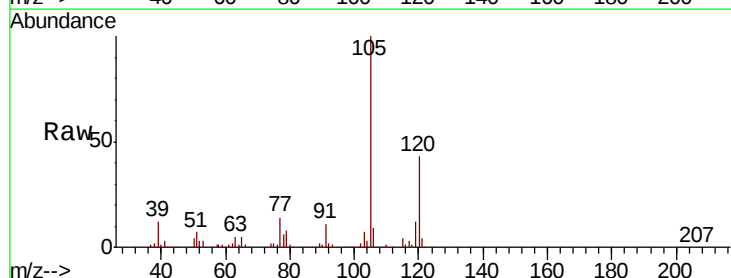
Acq: 15 Aug 2018 00:14

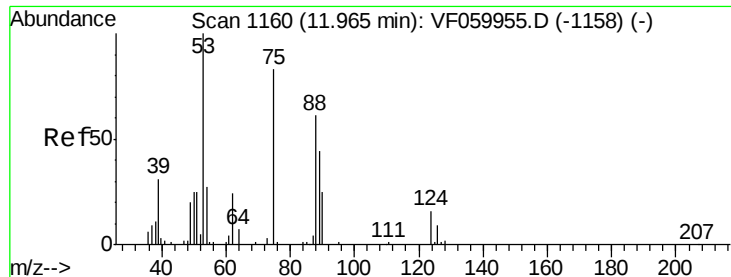
Tgt Ion: 105 Resp: 143082

Ion Ratio Lower Upper

105 100

120 43.4 21.1 63.3





#81

trans-1,4-Dichloro-2-butene

Concen: 19.01 ug/l m

RT: 11.97 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Instrument :

MSVOA\_F

ClientSampleId :

VF0814SBSD01

Tot Ion: 75 Resp: 7875

Ion Ratio Lower Upper

75 100

53 97.4 97.1 145.7

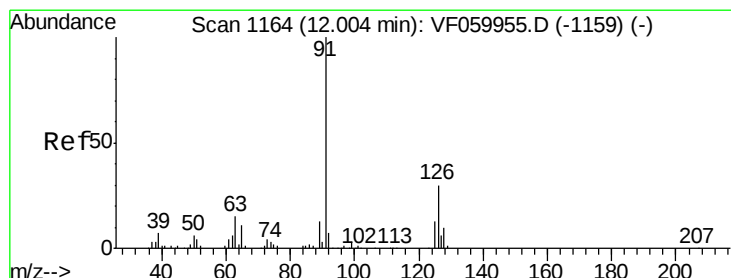
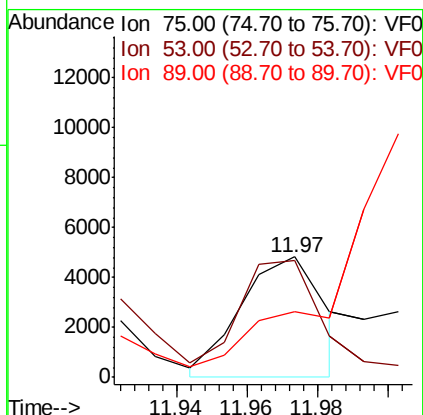
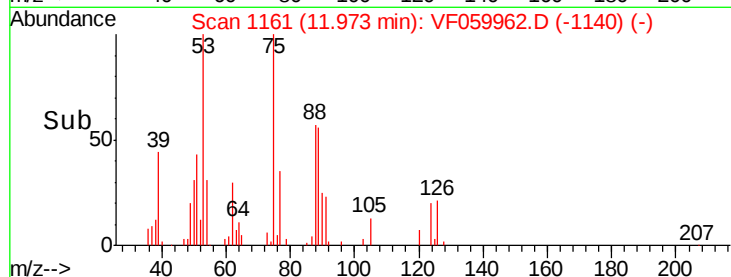
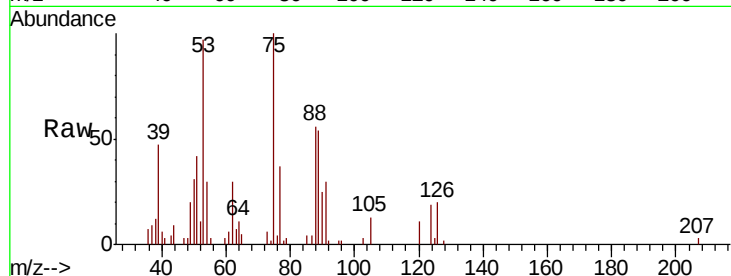
89 54.3 43.6 65.4

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#82

4-Chlorotoluene

Concen: 20.40 ug/l

RT: 12.00 min Scan# 1164

Delta R.T. -0.00 min

Lab File: VF059962.D

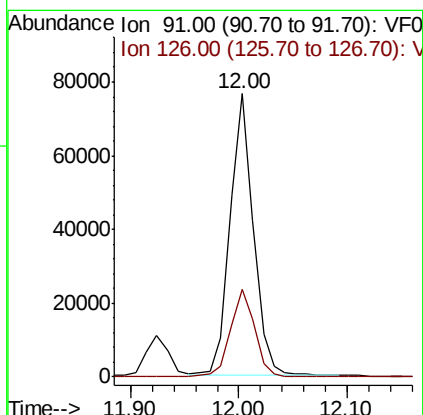
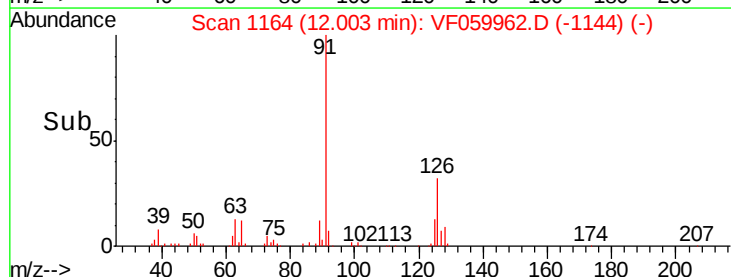
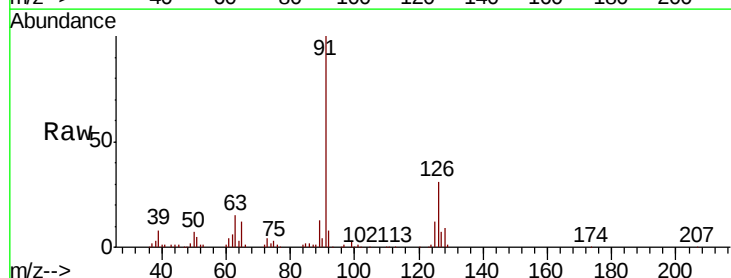
Acq: 15 Aug 2018 00:14

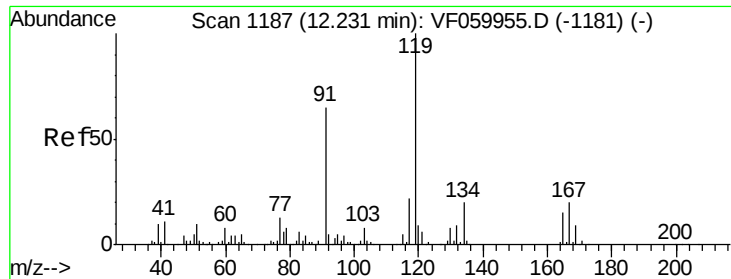
Tgt Ion: 91 Resp: 115734

Ion Ratio Lower Upper

91 100

126 30.9 15.3 45.8





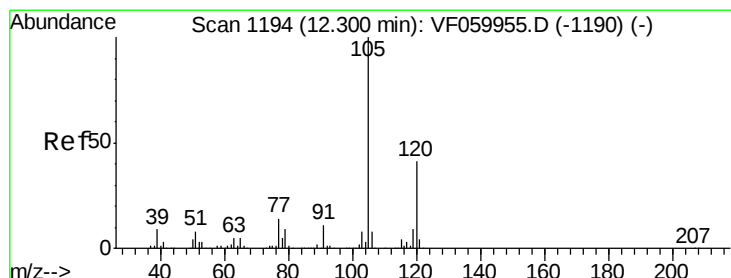
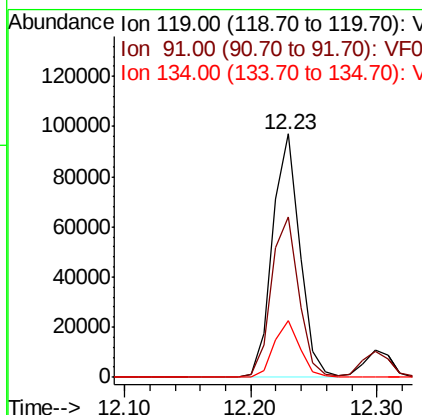
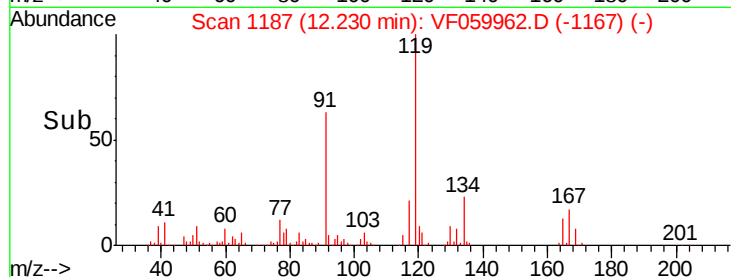
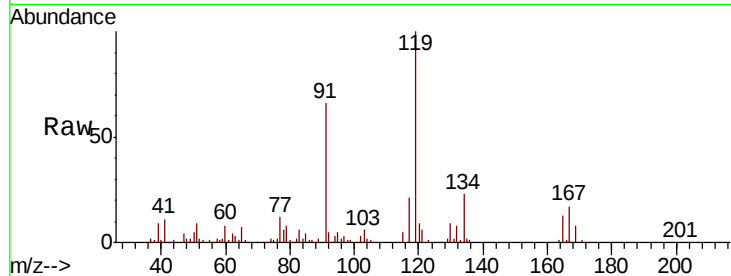
#83  
 tert-Butylbenzene  
 Concen: 22.82 ug/l  
 RT: 12.23 min Scan# 1187  
 Delta R.T. -0.00 min  
 Lab File: VF059962.D  
 Acq: 15 Aug 2018 00:14

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0814SBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 146390 |       |       |
| 91      | 66.0  |        | 32.6  | 98.0  |
| 134     | 23.0  |        | 10.1  | 30.3  |

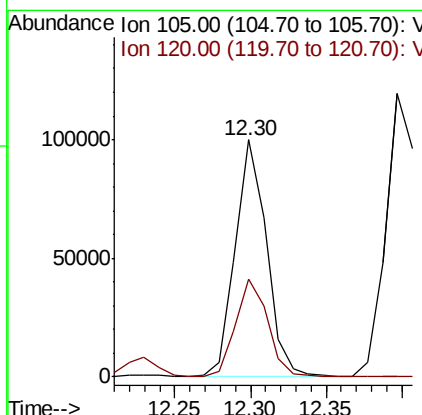
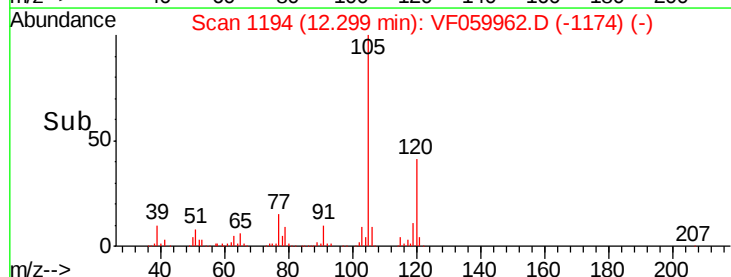
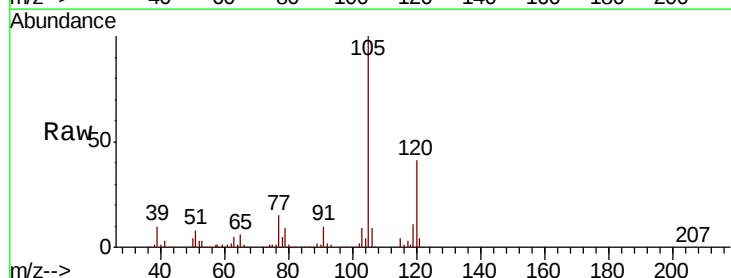
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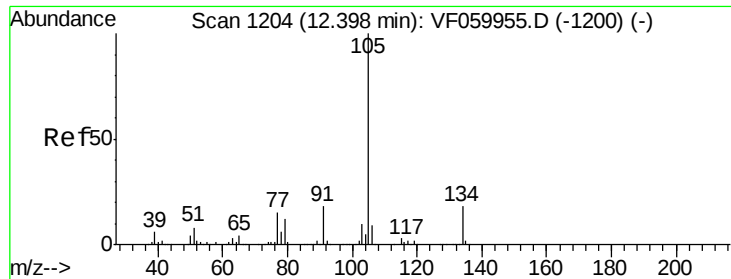
apatel  
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#84  
 1,2,4-Trimethylbenzene  
 Concen: 21.86 ug/l  
 RT: 12.30 min Scan# 1194  
 Delta R.T. -0.00 min  
 Lab File: VF059962.D  
 Acq: 15 Aug 2018 00:14

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 143501 |       |       |
| 120     | 41.2  |        | 20.6  | 61.9  |





#85

sec-Butylbenzene

Concen: 22.07 ug/l

RT: 12.40 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Instrument :

MSVOA\_F

ClientSampleId :

VF0814SBS01

Tot Ion:105 Resp: 180362

Ion Ratio Lower Upper

105 100

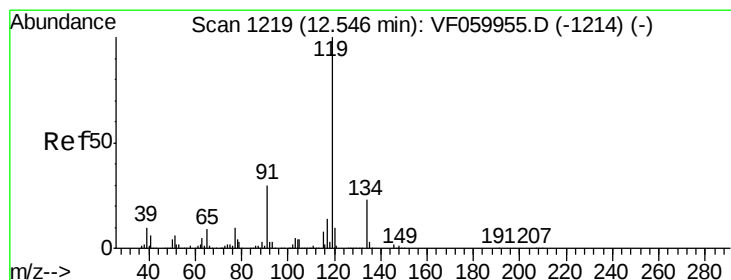
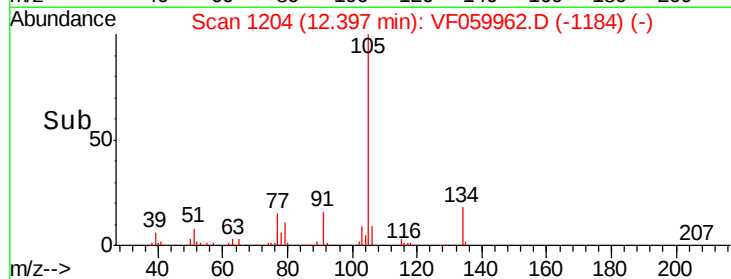
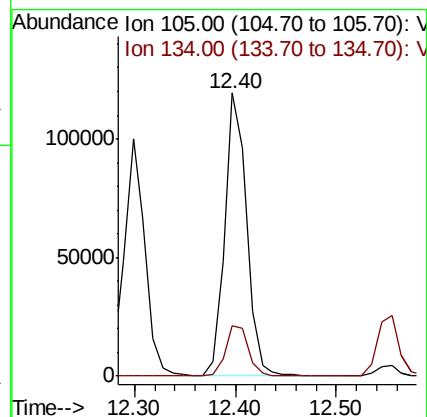
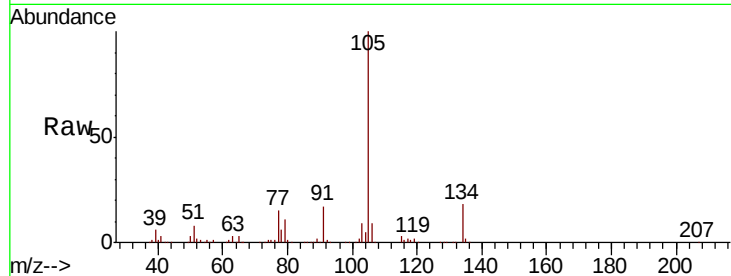
134 17.8 8.9 26.7

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#86

p-Isopropyltoluene

Concen: 21.93 ug/l

RT: 12.55 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

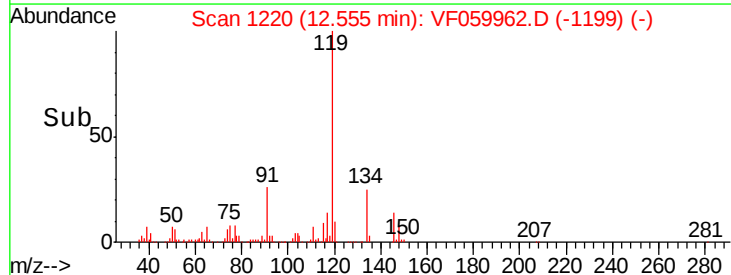
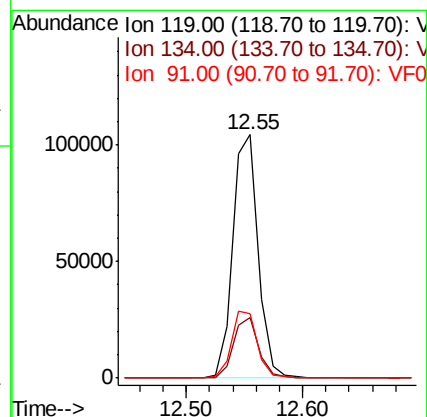
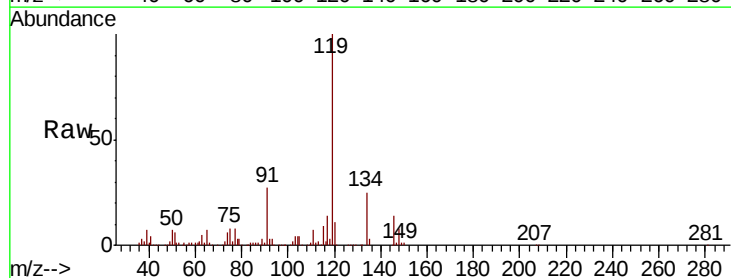
Tgt Ion:119 Resp: 157919

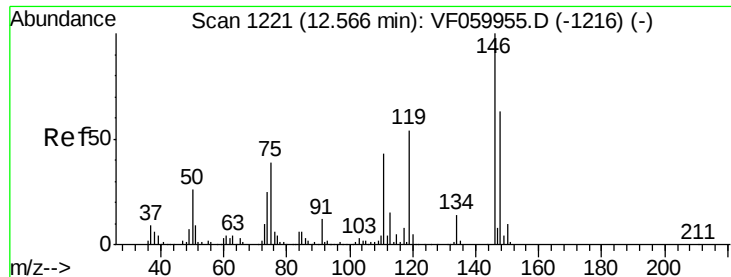
Ion Ratio Lower Upper

119 100

134 24.7 11.4 34.2

91 26.7 14.8 44.4





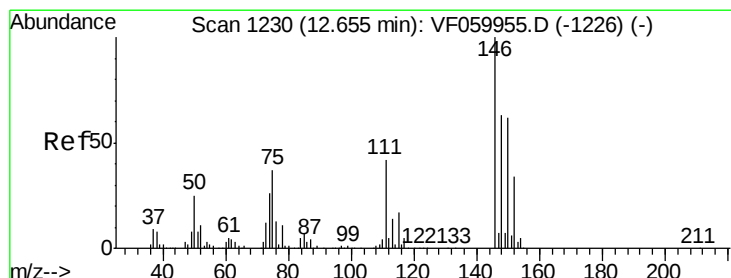
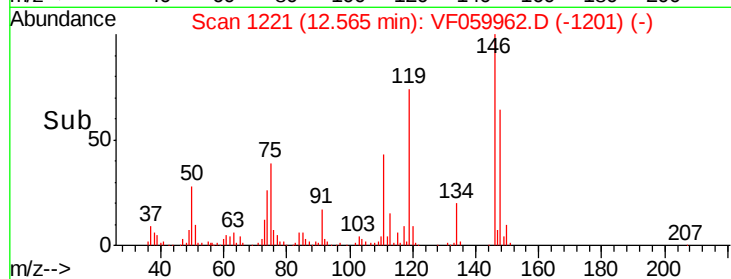
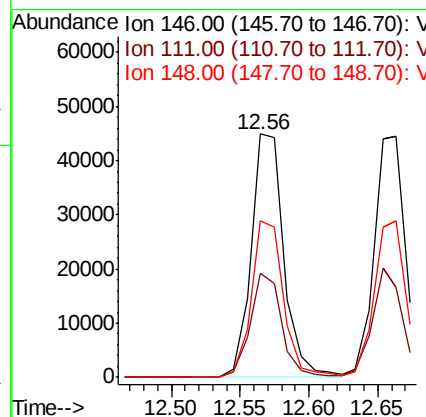
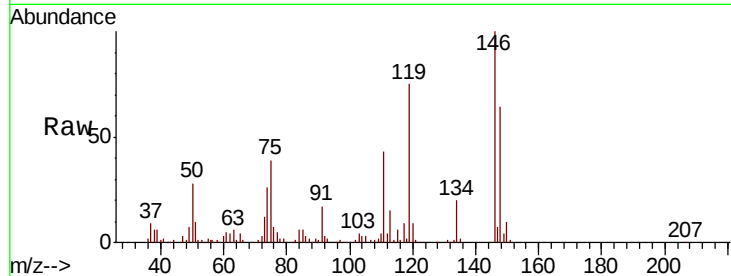
#87  
 1,3-Dichlorobenzene  
 Concen: 21.45 ug/l  
 RT: 12.56 min Scan# 1221  
 Delta R.T. -0.00 min  
 Lab File: VF059962.D  
 Acq: 15 Aug 2018 00:14

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0814SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.7  | 21.3  | 63.9  |
| 148     | 64.4  | 31.4  | 94.3  |

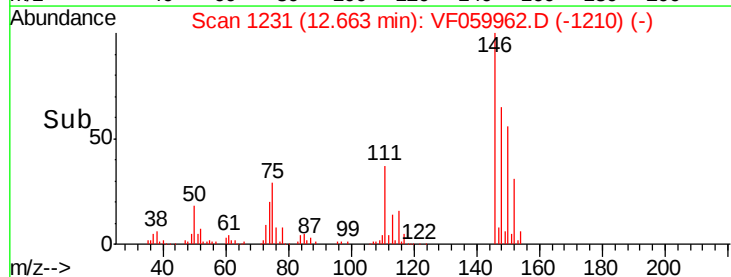
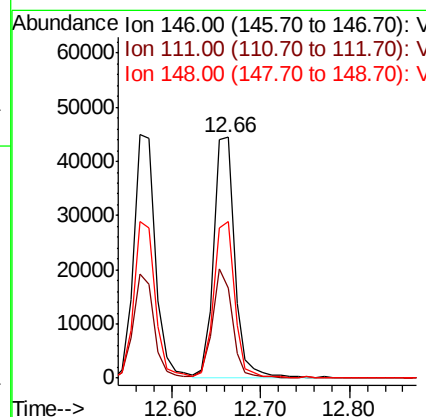
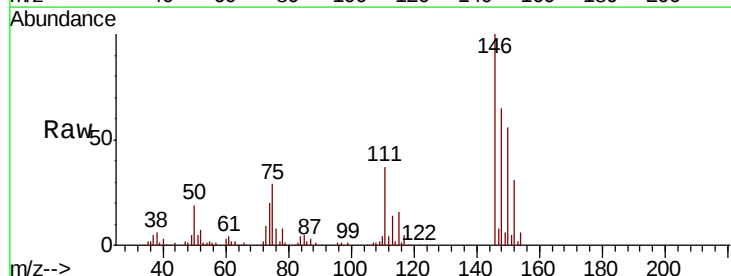
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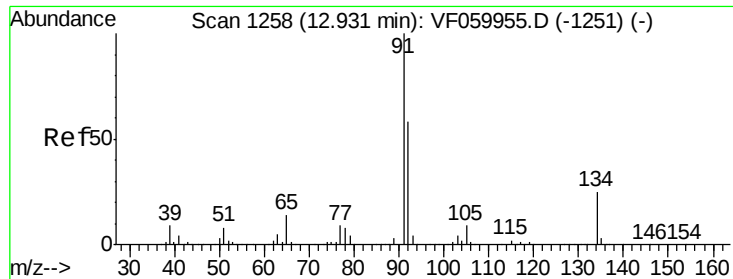
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#88  
 1,4-Dichlorobenzene  
 Concen: 21.45 ug/l  
 RT: 12.66 min Scan# 1231  
 Delta R.T. 0.01 min  
 Lab File: VF059962.D  
 Acq: 15 Aug 2018 00:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.4  | 21.1  | 63.1  |
| 148     | 65.2  | 31.7  | 95.1  |





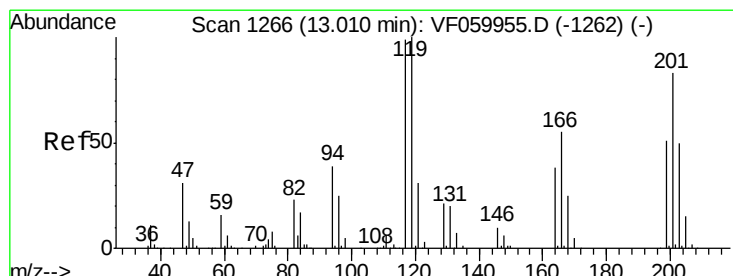
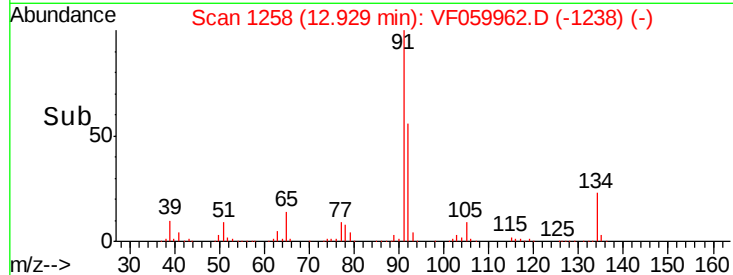
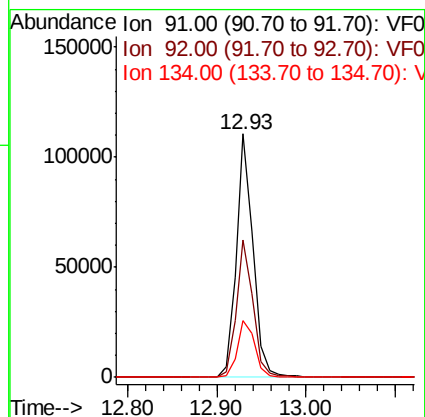
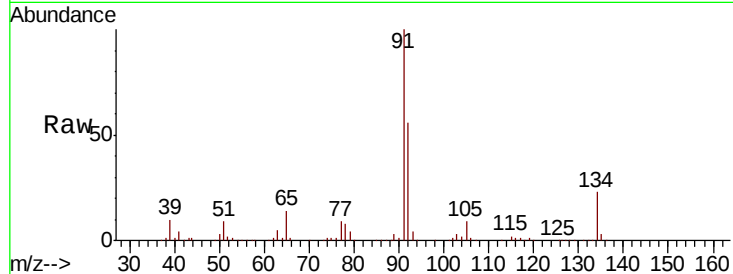
#89  
n-Butylbenzene  
Concen: 21.28 ug/l  
RT: 12.93 min Scan# 1258  
Delta R.T. -0.00 min  
Lab File: VF059962.D  
Acq: 15 Aug 2018 00:14

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0814SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 91      | 100   | 147616 |       |       |
| 92      | 56.4  | 29.2   | 87.6  |       |
| 134     | 23.2  | 12.8   | 38.3  |       |

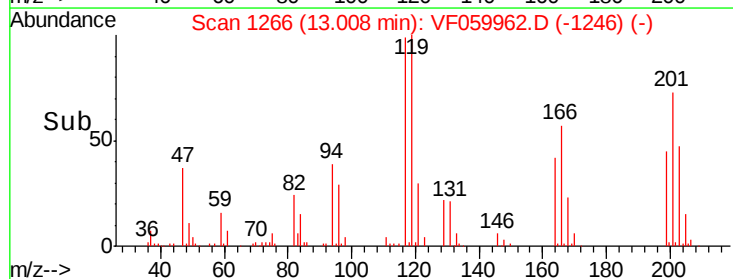
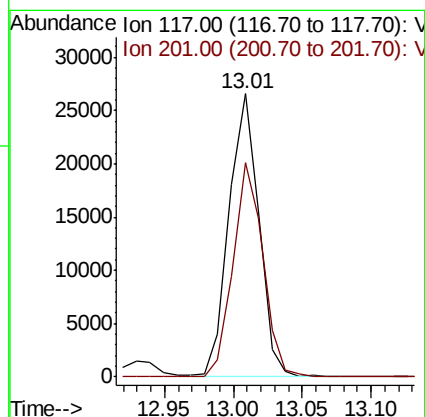
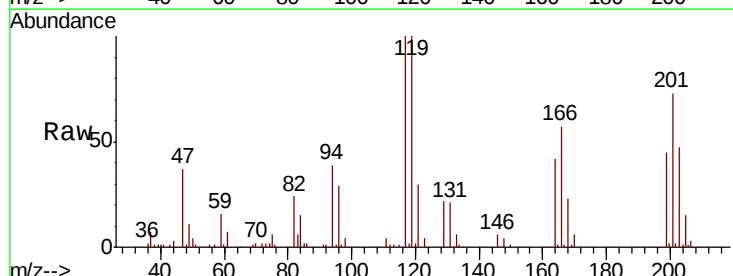
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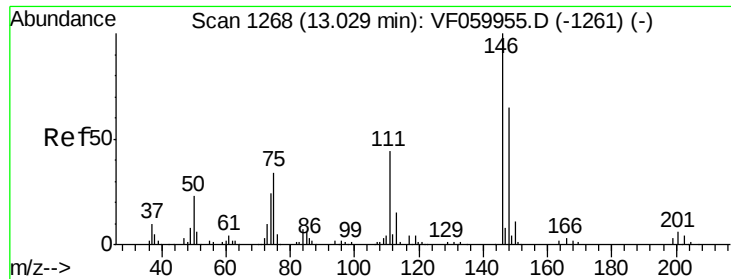
apatel  
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#90  
Hexachloroethane  
Concen: 22.53 ug/l  
RT: 13.01 min Scan# 1266  
Delta R.T. -0.00 min  
Lab File: VF059962.D  
Acq: 15 Aug 2018 00:14

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 117     | 100   | 40157 |       |       |
| 201     | 75.5  | 41.8  | 125.3 |       |





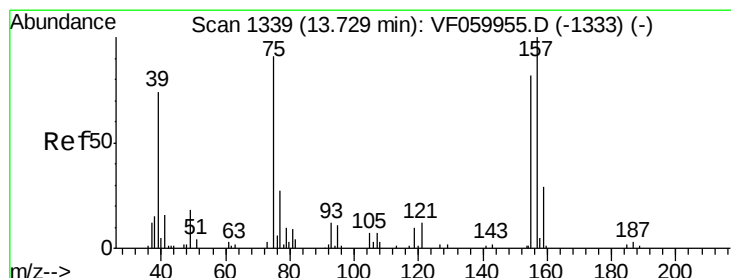
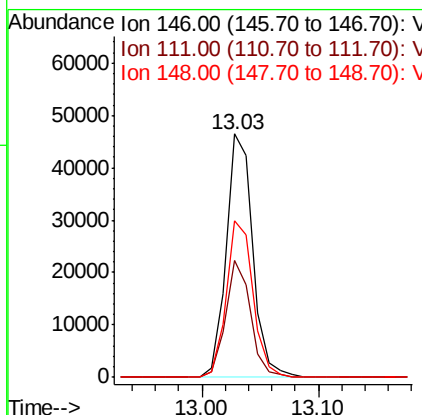
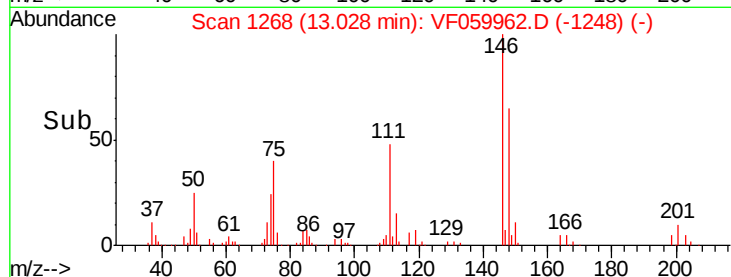
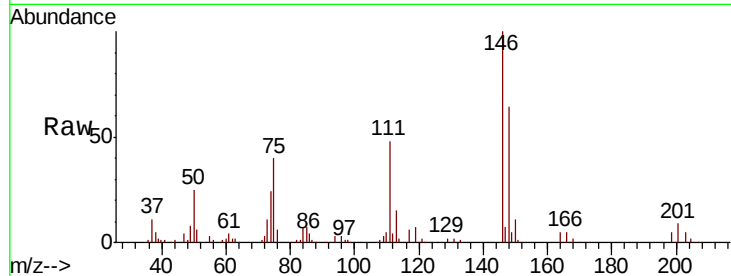
#91  
 1,2-Dichlorobenzene  
 Concen: 21.66 ug/l  
 RT: 13.03 min Scan# 1268  
 Delta R.T. -0.00 min  
 Lab File: VF059962.D  
 Acq: 15 Aug 2018 00:14

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0814SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 48.0  | 22.0  | 66.0  |
| 148     | 64.5  | 32.4  | 97.0  |

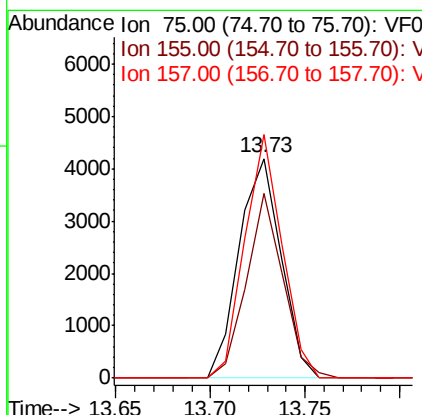
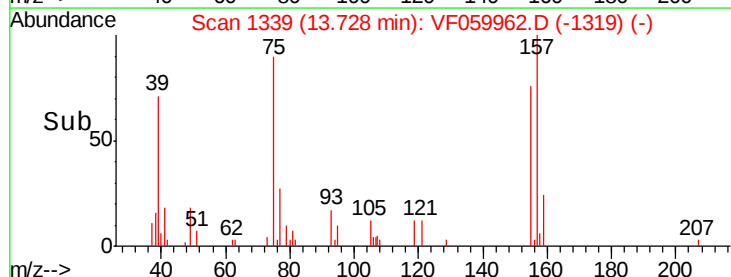
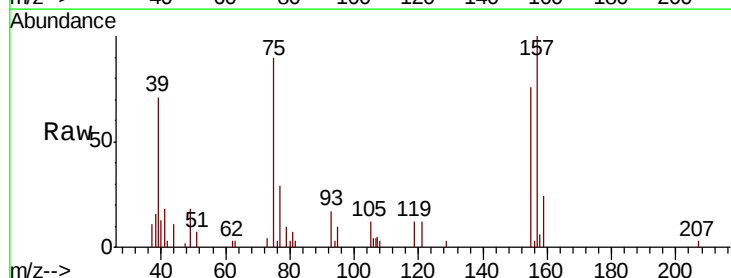
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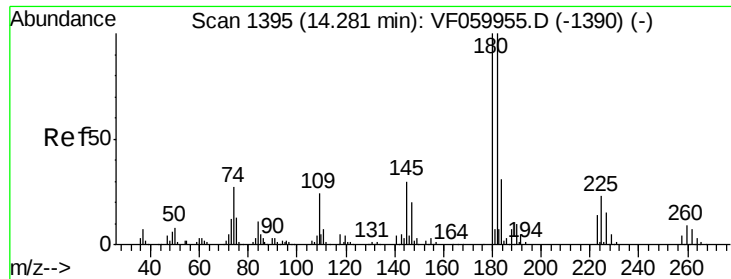
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 20.19 ug/l  
 RT: 13.73 min Scan# 1339  
 Delta R.T. -0.00 min  
 Lab File: VF059962.D  
 Acq: 15 Aug 2018 00:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 84.1  | 44.6  | 134.0 |
| 157     | 110.9 | 54.8  | 164.3 |





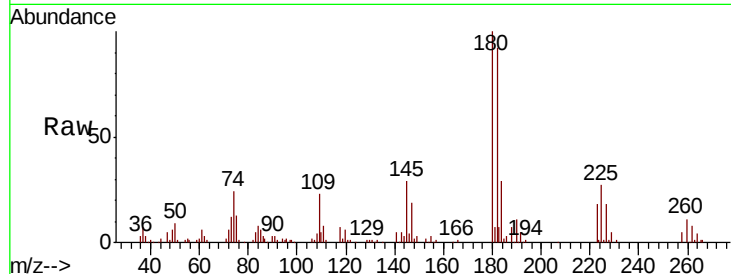
#93  
 1,2,4-Trichlorobenzene  
 Concen: 22.00 ug/l  
 RT: 14.28 min Scan# 1395  
 Delta R.T. -0.00 min  
 Lab File: VF059962.D  
 Acq: 15 Aug 2018 00:14

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0814SBS01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 59531 |       |       |
| 182     | 91.8  | 50.2  | 150.7 |       |
| 145     | 28.7  | 14.9  | 44.9  |       |

Manual Integrations  
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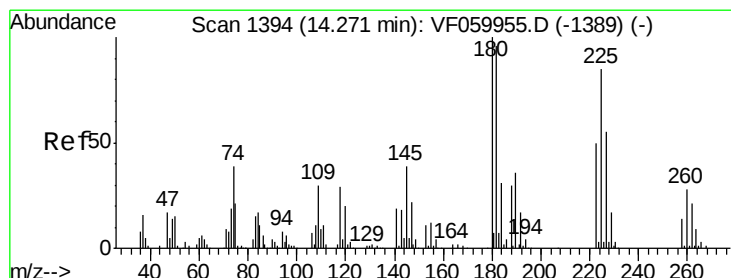
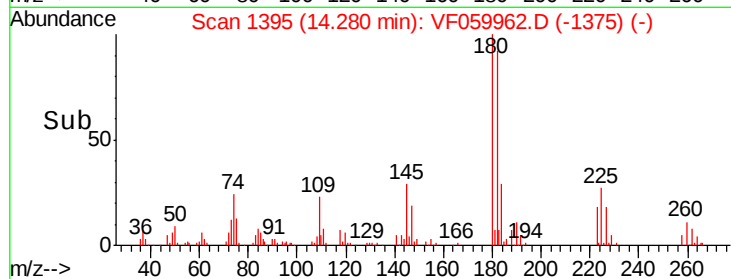
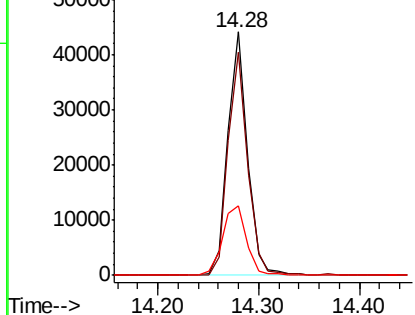


Abundance

Ion 180.00 (179.70 to 180.70): V

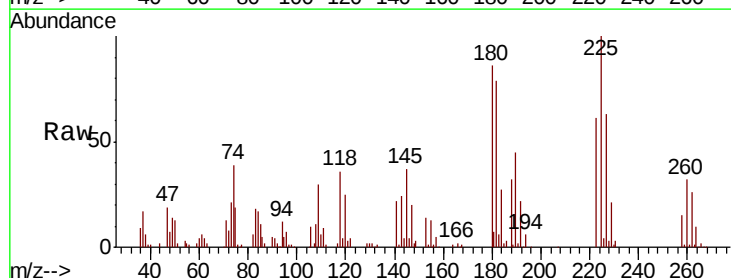
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94  
 Hexachlorobutadiene  
 Concen: 22.15 ug/l  
 RT: 14.27 min Scan# 1394  
 Delta R.T. -0.00 min  
 Lab File: VF059962.D  
 Acq: 15 Aug 2018 00:14

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 42852 |       |       |
| 223     | 60.8  | 29.6  | 88.8  |       |
| 227     | 63.5  | 32.5  | 97.5  |       |

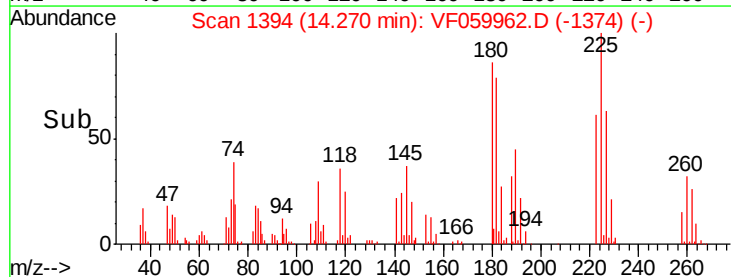
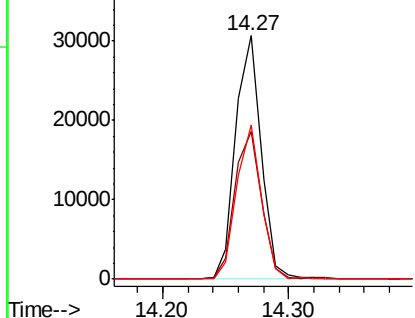


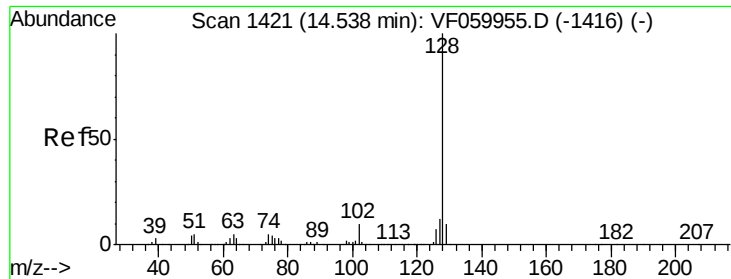
Abundance

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





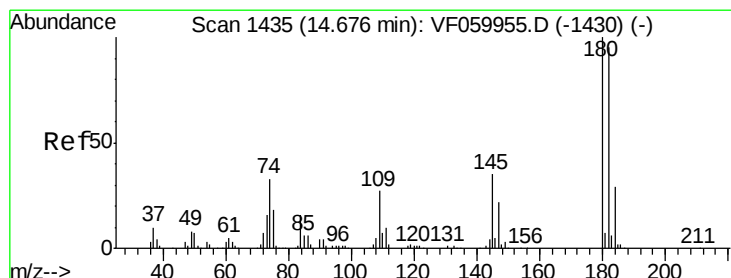
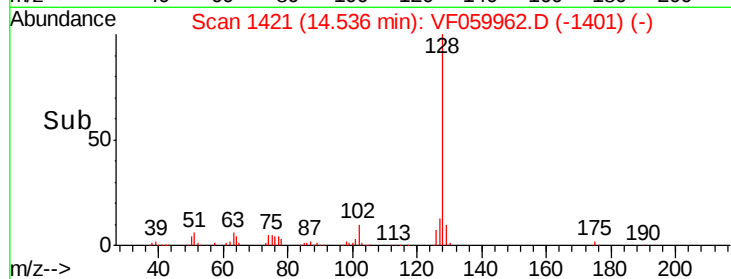
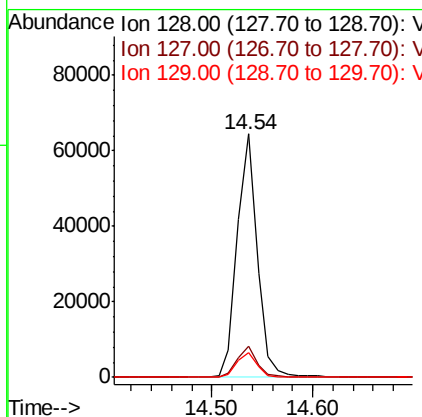
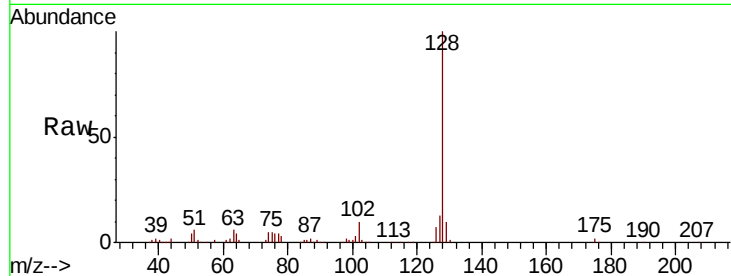
#95  
Naphthalene  
Concen: 20.23 ug/l  
RT: 14.54 min Scan# 1421  
Delta R.T. -0.00 min  
Lab File: VF059962.D  
Acq: 15 Aug 2018 00:14

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0814SBS01

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 128     | 100  |       | 89372 |       |       |
| 127     | 12.6 |       | 9.9   | 14.9  |       |
| 129     | 10.0 |       | 8.4   | 12.6  |       |

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#96  
1,2,3-Trichlorobenzene  
Concen: 20.81 ug/l  
RT: 14.68 min Scan# 1436  
Delta R.T. 0.01 min  
Lab File: VF059962.D  
Acq: 15 Aug 2018 00:14

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 180     | 100  |       | 53740 |       |       |
| 182     | 96.2 |       | 47.5  | 142.6 |       |
| 145     | 27.9 |       | 17.6  | 52.8  |       |

