

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061918\  
 Data File : VF059194.D  
 Acq On : 19 Jun 2018 17:47  
 Operator : VA/AP  
 Sample : VF0619SBS01  
 Misc : 5.00g/5mL/MSVOA-F/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0619SBS01

Manual Integrations  
 APPROVED

apatel  
 6/20/2018 10:16:29 AM

Quant Time: Jun 20 04:25:08 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F060618S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 07 10:52:00 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.03  | 168  | 260991   | 50.00 | ug/l  | -0.01    |
| 34) 1,4-Difluorobenzene    | 5.76  | 114  | 406305   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.91  | 117  | 403539   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.63 | 152  | 240459   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 5.01  | 65   | 177122   | 55.96  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 111.92% |          |
| 35) Dibromofluoromethane    | 4.29  | 113  | 158101   | 55.46  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 110.92% |          |
| 50) Toluene-d8              | 7.70  | 98   | 412351   | 49.23  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 98.46%  |          |
| 62) 4-Bromofluorobenzene    | 11.51 | 95   | 214111   | 49.84  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 99.68%  |          |

| Target Compounds              | R.T. | QIon | Response | Conc   | Units  | Qvalue |
|-------------------------------|------|------|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 0.99 | 85   | 59555    | 20.16  | ug/l   | 94     |
| 3) Chloromethane              | 1.09 | 50   | 40313    | 17.62  | ug/l   | 97     |
| 4) Vinyl Chloride             | 1.15 | 62   | 36513    | 17.69  | ug/l   | 89     |
| 5) Bromomethane               | 1.33 | 94   | 21860    | 18.17  | ug/l   | 89     |
| 6) Chloroethane               | 1.42 | 64   | 16986    | 19.83  | ug/l # | 89     |
| 7) Trichlorofluoromethane     | 1.48 | 101  | 68602m   | 21.38  | ug/l   |        |
| 8) Diethyl Ether              | 1.70 | 74   | 17417    | 21.57  | ug/l   | 75     |
| 9) 1,1,2-Trichlorotrifluoroet | 1.89 | 101  | 39094    | 19.12  | ug/l   | 95     |
| 10) Methyl Iodide             | 1.96 | 142  | 71471    | 19.97  | ug/l   | 97     |
| 11) Tert butyl alcohol        | 2.68 | 59   | 21154    | 104.30 | ug/l   | 97     |
| 12) 1,1-Dichloroethene        | 1.86 | 96   | 35908    | 20.88  | ug/l   | 96     |
| 13) Acrolein                  | 2.08 | 56   | 14090    | 80.27  | ug/l   | 98     |
| 14) Allyl chloride            | 2.18 | 41   | 68923    | 20.42  | ug/l   | 94     |
| 15) Acrylonitrile             | 3.08 | 53   | 47378    | 117.62 | ug/l   | 97     |
| 16) Acetone                   | 2.34 | 43   | 94022    | 124.41 | ug/l # | 92     |
| 17) Carbon Disulfide          | 1.88 | 76   | 80971m   | 16.77  | ug/l   |        |
| 18) Methyl Acetate            | 2.45 | 43   | 31943    | 24.59  | ug/l   | 99     |
| 19) Methyl tert-butyl Ether   | 2.54 | 73   | 126278   | 23.65  | ug/l   | 97     |
| 20) Methylene Chloride        | 2.31 | 84   | 41694m   | 23.04  | ug/l   |        |
| 21) trans-1,2-Dichloroethene  | 2.41 | 96   | 37350    | 19.80  | ug/l   | 90     |
| 22) Diisopropyl ether         | 2.92 | 45   | 145072   | 21.86  | ug/l   | 99     |
| 23) Vinyl Acetate             | 3.32 | 43   | 493406   | 112.78 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 3.00 | 63   | 86310    | 21.46  | ug/l   | 98     |
| 25) 2-Butanone                | 4.51 | 43   | 120486   | 102.83 | ug/l # | 90     |
| 26) 2,2-Dichloropropane       | 3.76 | 77   | 62932    | 21.56  | ug/l   | 93     |
| 27) cis-1,2-Dichloroethene    | 3.63 | 96   | 60428    | 20.82  | ug/l   | 94     |
| 28) Bromochloromethane        | 3.88 | 49   | 52555    | 29.03  | ug/l # | 53     |
| 29) Tetrahydrofuran           | 4.25 | 42   | 53863    | 104.33 | ug/l   | 97     |
| 30) Chloroform                | 4.02 | 83   | 129839   | 22.56  | ug/l   | 96     |
| 31) Cyclohexane               | 3.88 | 56   | 69078    | 19.66  | ug/l   | 86     |
| 32) 1,1,1-Trichloroethane     | 4.27 | 97   | 92046    | 21.43  | ug/l   | 93     |
| 36) 1,1-Dichloropropene       | 4.45 | 75   | 83248    | 21.14  | ug/l   | 96     |
| 37) Ethyl Acetate             | 4.29 | 43   | 60836    | 25.00  | ug/l # | 69     |
| 38) Carbon Tetrachloride      | 4.16 | 117  | 97319m   | 22.80  | ug/l   |        |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061918\  
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 Acq On : 19 Jun 2018 17:47  
 Operator : VA/AP  
 Sample : VF0619SBS01  
 Misc : 5.00g/5mL/MSVOA-F/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleID :  
 VF0619SBS01

Manual Integrations  
 APPROVED

apatel  
 6/20/2018 10:16:29 AM

Quant Time: Jun 20 04:25:08 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F060618S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 07 10:52:00 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 5.62  | 83   | 77703    | 19.36  | ug/l   | 98       |
| 40) Benzene                    | 4.80  | 78   | 180370   | 19.73  | ug/l   | 98       |
| 41) Methacrylonitrile          | 4.91  | 41   | 25732    | 21.52  | ug/l   | 93       |
| 42) 1,2-Dichloroethane         | 5.11  | 62   | 96987    | 23.66  | ug/l   | 96       |
| 43) Isopropyl Acetate          | 7.11  | 43   | 70380    | 21.60  | ug/l # | 94       |
| 44) Trichloroethene            | 5.66  | 130  | 64166    | 22.47  | ug/l   | 93       |
| 45) 1,2-Dichloropropane        | 6.40  | 63   | 54310    | 20.61  | ug/l   | 96       |
| 46) Dibromomethane             | 6.25  | 93   | 44036    | 22.21  | ug/l   | 94       |
| 47) Bromodichloromethane       | 6.54  | 83   | 103630   | 22.97  | ug/l   | 96       |
| 48) Methyl methacrylate        | 6.87  | 41   | 45684    | 22.74  | ug/l   | 92       |
| 49) 1,4-Dioxane                | 6.86  | 88   | 4794     | 312.92 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone       | 8.40  | 43   | 248892   | 111.43 | ug/l   | 94       |
| 52) Toluene                    | 7.77  | 92   | 129749   | 19.71  | ug/l   | 96       |
| 53) t-1,3-Dichloropropene      | 8.42  | 75   | 99980    | 22.88  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 7.44  | 75   | 106717   | 21.26  | ug/l   | 93       |
| 55) 1,1,2-Trichloroethane      | 8.63  | 97   | 51959    | 21.78  | ug/l   | 92       |
| 56) Ethyl methacrylate         | 8.76  | 69   | 62631    | 20.83  | ug/l   | 95       |
| 57) 1,3-Dichloropropane        | 8.99  | 76   | 88239    | 21.62  | ug/l   | 96       |
| 58) 2-Chloroethyl Vinyl ether  | 7.77  | 63   | 22176    | 103.12 | ug/l   | 100      |
| 59) 2-Hexanone                 | 9.62  | 43   | 204928   | 115.99 | ug/l   | 90       |
| 60) Dibromochloromethane       | 8.85  | 129  | 79738    | 23.26  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 9.13  | 107  | 61258    | 22.10  | ug/l   | 97       |
| 64) Tetrachloroethene          | 8.29  | 164  | 61928    | 20.92  | ug/l   | 96       |
| 65) Chlorobenzene              | 9.94  | 112  | 174992   | 21.90  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.07 | 131  | 73538    | 23.13  | ug/l   | 93       |
| 67) Ethyl Benzene              | 10.04 | 91   | 297944   | 21.46  | ug/l   | 99       |
| 68) m/p-Xylenes                | 10.26 | 106  | 214578   | 41.28  | ug/l   | 90       |
| 69) o-Xylene                   | 10.83 | 106  | 117450   | 20.90  | ug/l   | 99       |
| 70) Styrene                    | 10.89 | 104  | 183266   | 21.56  | ug/l   | 99       |
| 71) Bromoform                  | 10.88 | 173  | 52633    | 24.38  | ug/l # | 90       |
| 73) Isopropylbenzene           | 11.22 | 105  | 357002   | 21.44  | ug/l   | 94       |
| 74) N-amyl acetate             | 11.46 | 43   | 123648   | 20.79  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.78 | 83   | 82951    | 21.02  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 11.88 | 75   | 61074    | 20.95  | ug/l   | 100      |
| 77) Bromobenzene               | 11.59 | 156  | 87218    | 20.82  | ug/l   | 81       |
| 78) n-propylbenzene            | 11.68 | 91   | 405768   | 20.59  | ug/l   | 96       |
| 79) 2-Chlorotoluene            | 11.81 | 91   | 247023   | 21.22  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene     | 11.91 | 105  | 303356   | 22.02  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-buten | 11.95 | 75   | 37504    | 19.84  | ug/l # | 88       |
| 82) 4-Chlorotoluene            | 11.99 | 91   | 262934   | 21.22  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.22 | 119  | 297217   | 21.72  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene     | 12.28 | 105  | 305513   | 21.40  | ug/l   | 96       |
| 85) sec-Butylbenzene           | 12.38 | 105  | 392810   | 21.13  | ug/l   | 98       |
| 86) p-Isopropyltoluene         | 12.54 | 119  | 335153   | 21.95  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 12.55 | 146  | 169028   | 21.85  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 12.64 | 146  | 163087   | 21.88  | ug/l   | 97       |
| 89) n-Butylbenzene             | 12.92 | 91   | 338358   | 19.42  | ug/l   | 93       |
| 90) Hexachloroethane           | 12.99 | 117  | 79258    | 21.08  | ug/l   | 76       |
| 91) 1,2-Dichlorobenzene        | 13.01 | 146  | 163402   | 21.93  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.71 | 75   | 20154    | 26.03  | ug/l   | 79       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061918\  
Data File : VF059194.D  
Acq On : 19 Jun 2018 17:47  
Operator : VA/AP  
Sample : VF0619SBSD01  
Misc : 5.00g/5mL/MSVOA-F/SOIL  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0619SBSD01

Manual Integrations  
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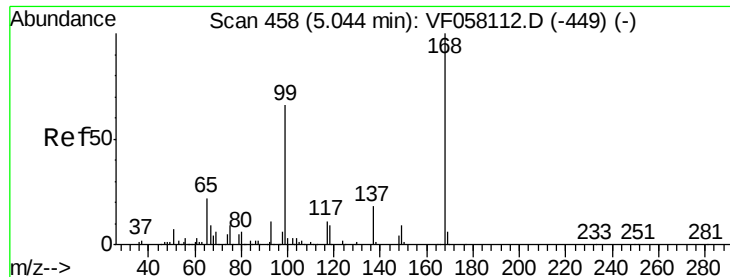
apatel  
6/20/2018 10:16:29 AM

Quant Time: Jun 20 04:25:08 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F060618S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jun 07 10:52:00 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.27 | 180  | 122530   | 23.51 | ug/l  | 96       |
| 94) Hexachlorobutadiene    | 14.26 | 225  | 70589    | 23.40 | ug/l  | 98       |
| 95) Naphthalene            | 14.52 | 128  | 244249   | 21.94 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.67 | 180  | 112835   | 23.43 | ug/l  | 95       |

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :

MSVOA\_F

ClientSampleId :

VF0619SBS01

Tot Ion:168 Resp: 260991

Ion Ratio Lower Upper

168 100

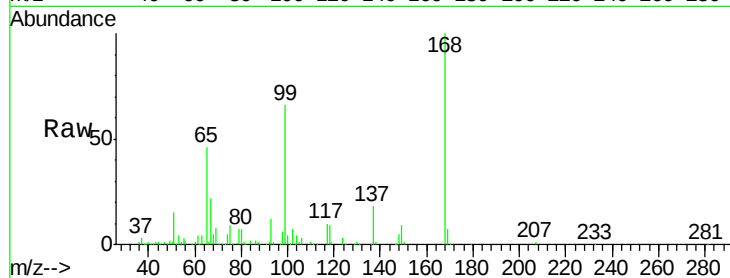
99 65.7 52.9 79.3

Manual Integrations

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6/20/2018 10:16:29 AM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

80000

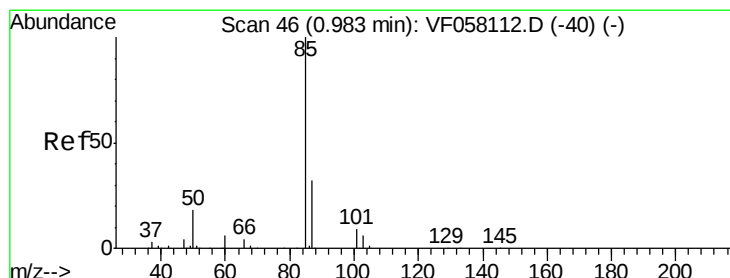
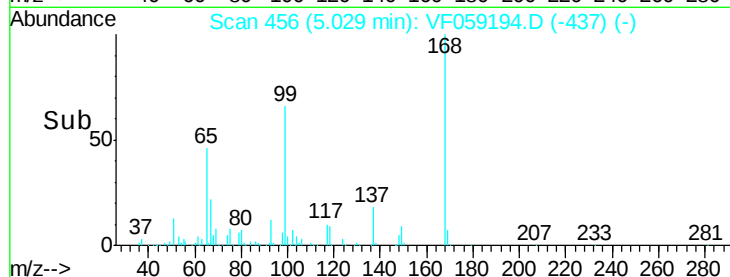
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.16 ug/l

RT: 0.99 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059194.D

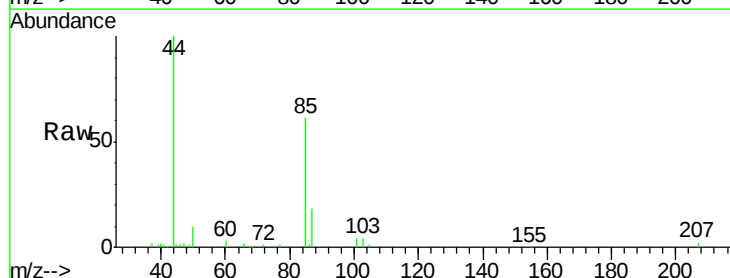
Acq: 19 Jun 2018 17:47

Tgt Ion: 85 Resp: 59555

Ion Ratio Lower Upper

85 100

87 28.8 16.2 48.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

20000

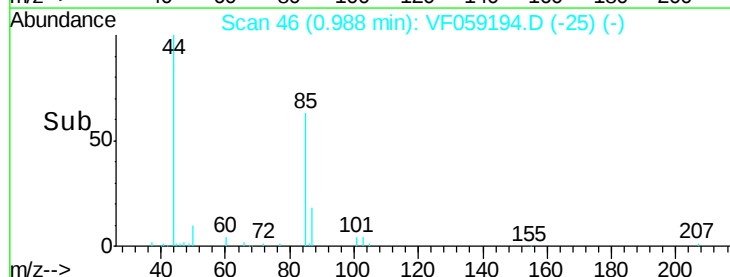
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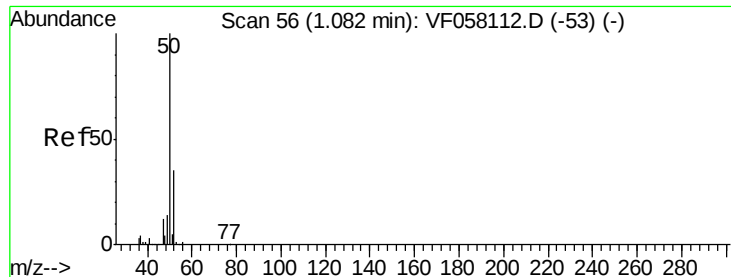
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5000

0

Time-->





#3

Chloromethane

Concen: 17.62 ug/l

RT: 1.09 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :

MSVOA\_F

ClientSampleId :

VF0619SBS01

Tot Ion: 50 Resp: 40313

Ion Ratio Lower Upper

50 100

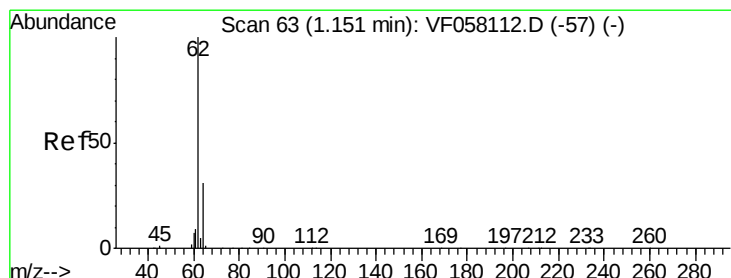
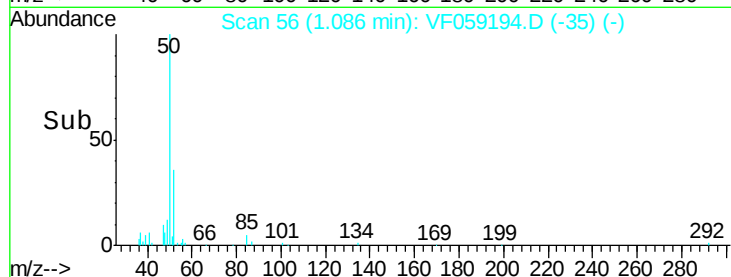
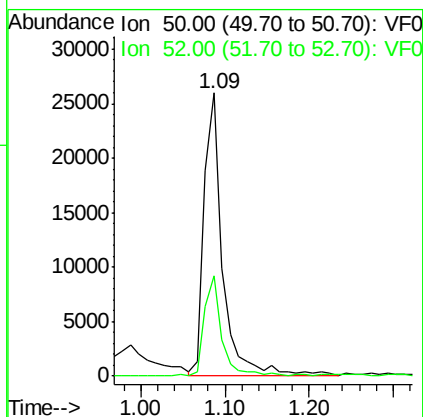
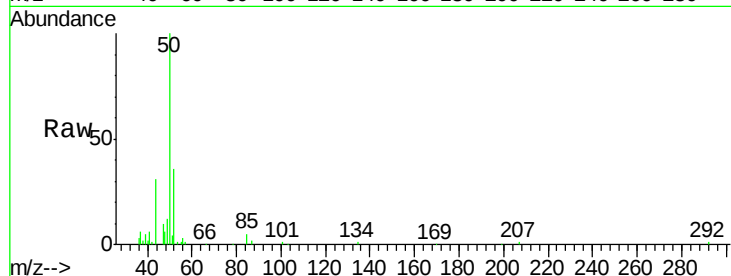
52 35.6 27.3 40.9

Manual Integrations

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6/20/2018 10:16:29 AM



#4

Vinyl Chloride

Concen: 17.69 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF059194.D

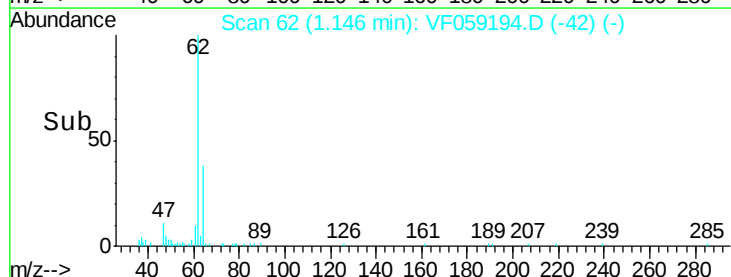
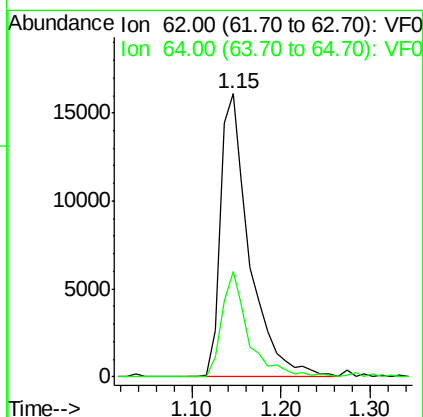
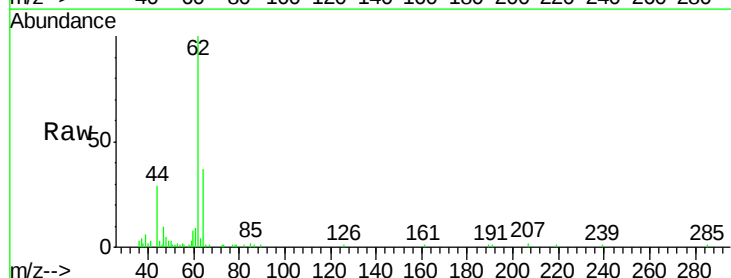
Acq: 19 Jun 2018 17:47

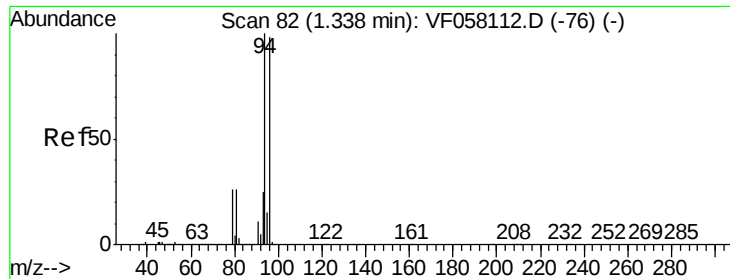
Tgt Ion: 62 Resp: 36513

Ion Ratio Lower Upper

62 100

64 37.2 25.0 37.6





#5

Bromomethane

Concen: 18.17 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :

MSVOA\_F

ClientSampleId :

VF0619SBS01

Tot Ion: 94 Resp: 21860

Ion Ratio Lower Upper

94 100

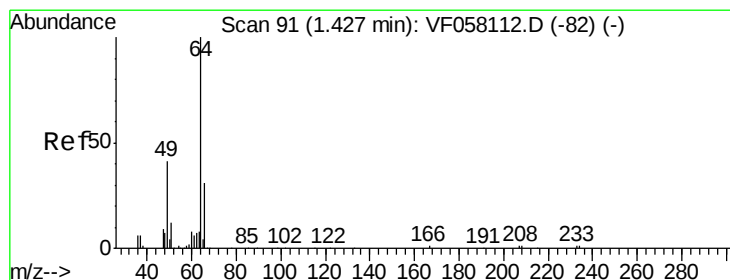
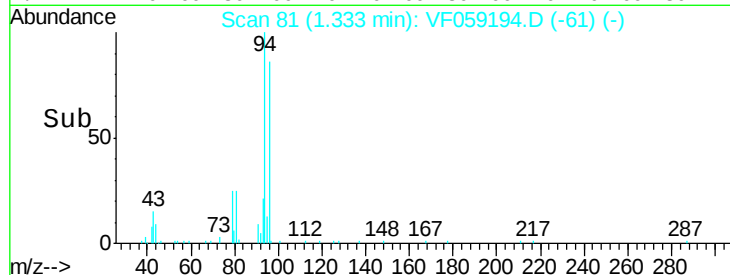
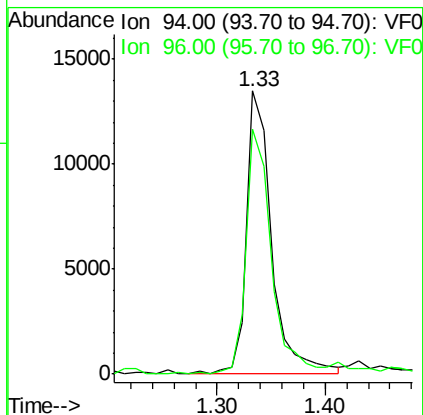
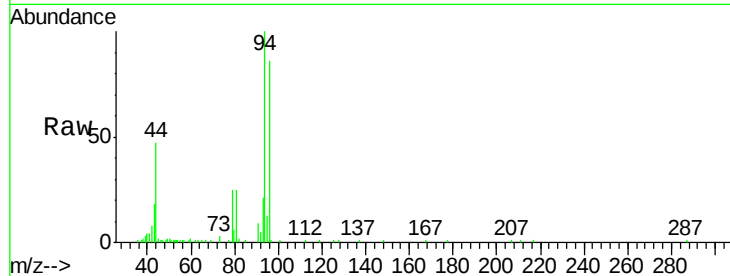
96 87.5 78.6 117.8

Manual Integrations

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apatel

6/20/2018 10:16:29 AM



#6

Chloroethane

Concen: 19.83 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.01 min

Lab File: VF059194.D

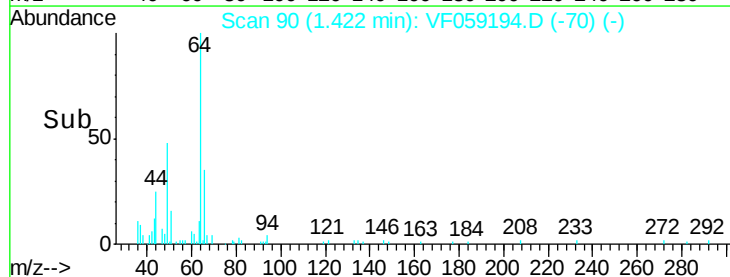
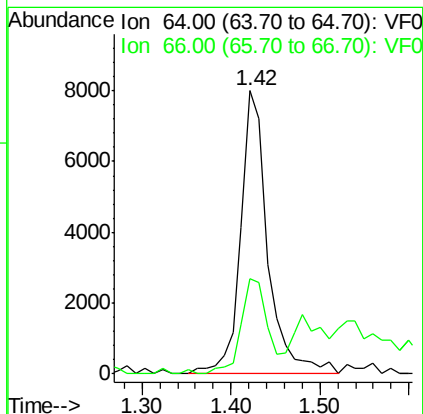
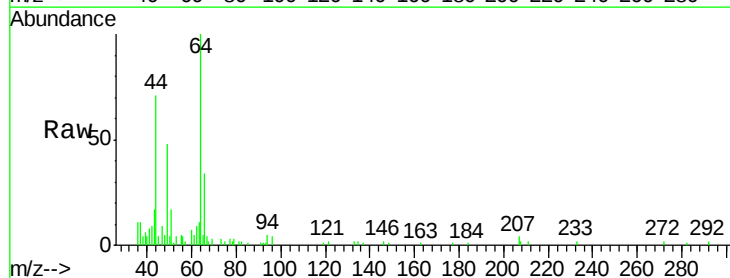
Acq: 19 Jun 2018 17:47

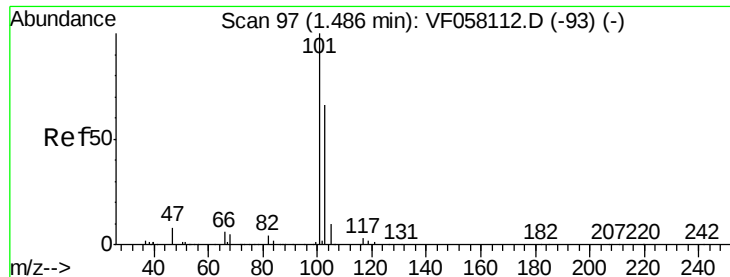
Tgt Ion: 64 Resp: 16986

Ion Ratio Lower Upper

64 100

66 37.4 24.9 37.3#





#7

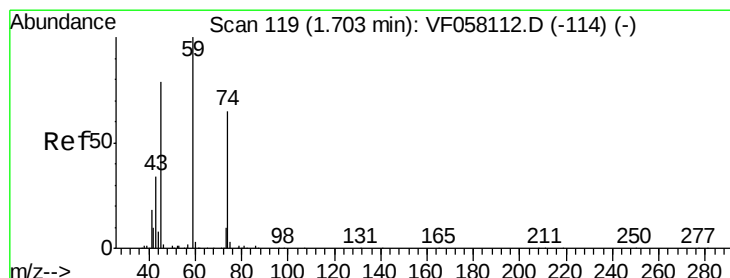
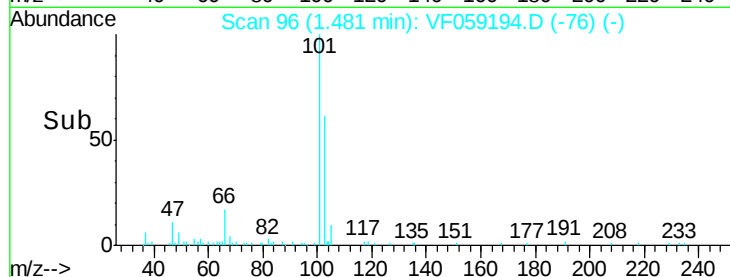
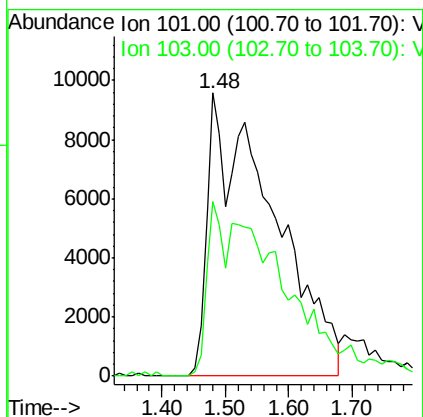
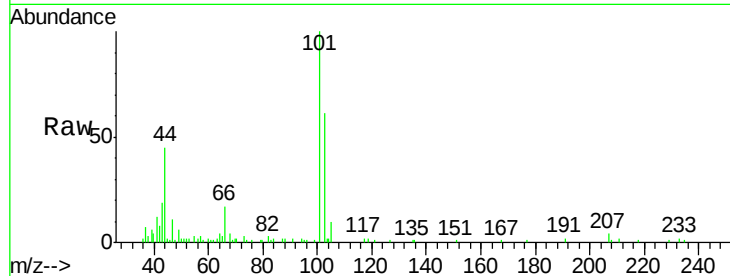
Trichlorofluoromethane  
Concen: 21.38 ug/l m  
RT: 1.48 min Scan# 96  
Delta R.T. -0.01 min  
Lab File: VF059194.D  
Acq: 19 Jun 2018 17:47

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0619SBS01

Tot Ion:101 Resp: 68602  
Ion Ratio Lower Upper  
101 100  
103 61.5 53.4 80.2

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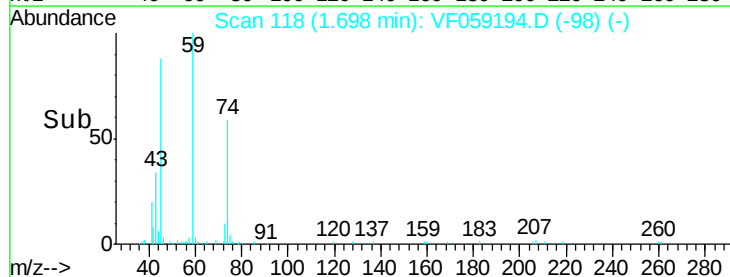
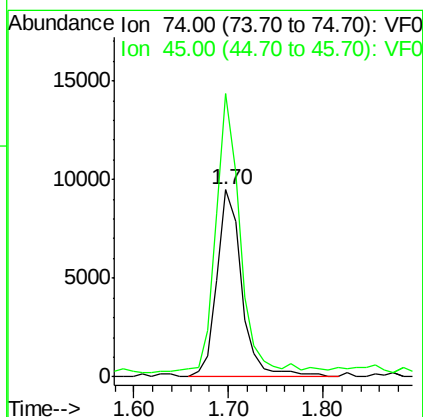
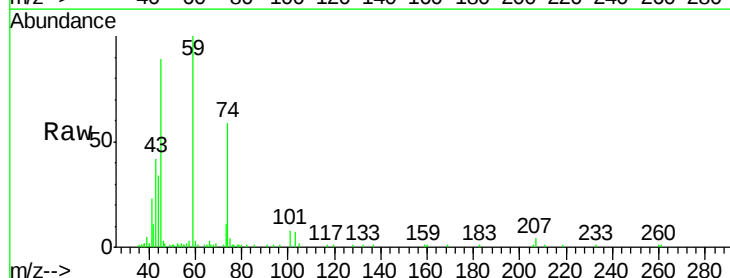
apatel  
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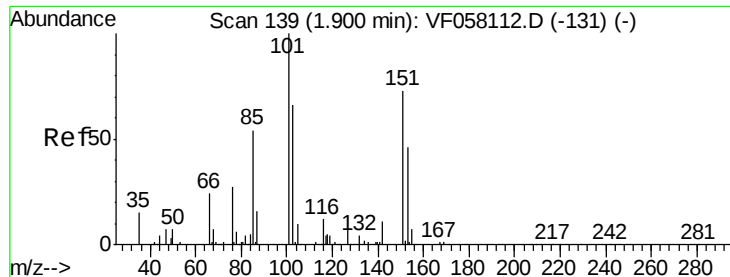


#8

Diethyl Ether  
Concen: 21.57 ug/l  
RT: 1.70 min Scan# 118  
Delta R.T. -0.01 min  
Lab File: VF059194.D  
Acq: 19 Jun 2018 17:47

Tgt Ion: 74 Resp: 17417  
Ion Ratio Lower Upper  
74 100  
45 151.4 61.5 184.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.12 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :

MSVOA\_F

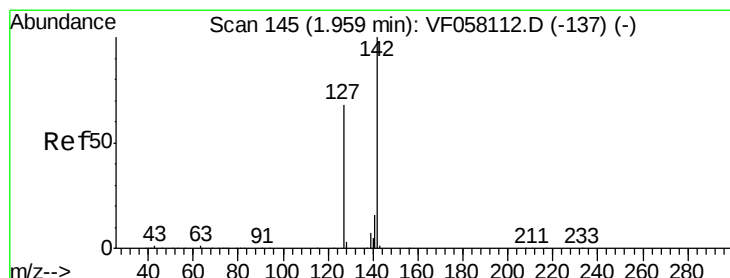
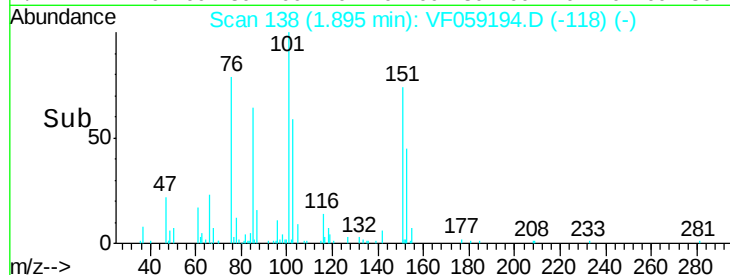
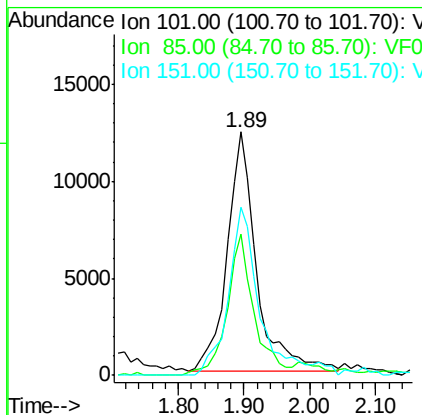
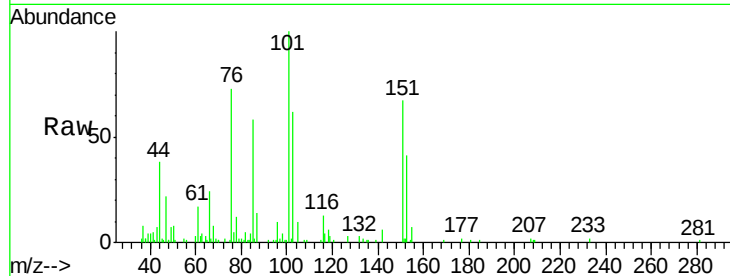
ClientSampleId :

VF0619SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 39094 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 58.2  | 42.2  | 63.4  |
| 151       | 68.9  | 56.8  | 85.2  |

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#10

Methyl Iodide

Concen: 19.97 ug/l

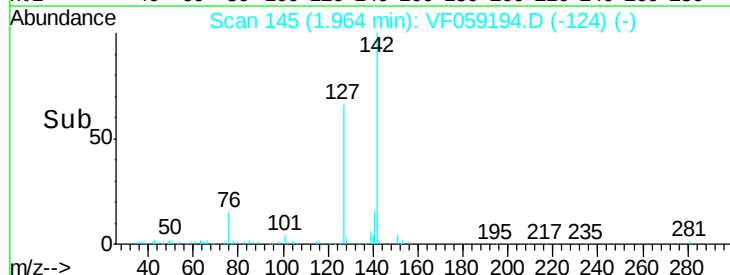
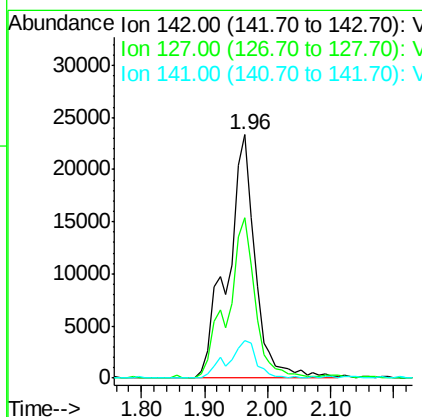
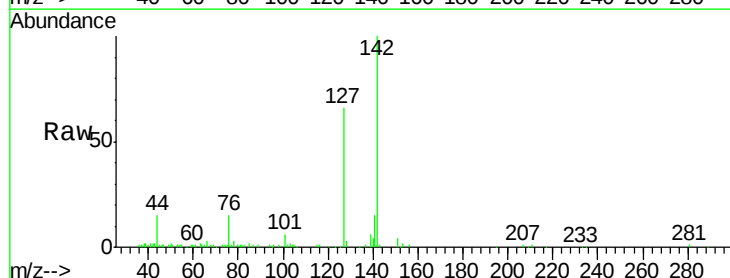
RT: 1.96 min Scan# 145

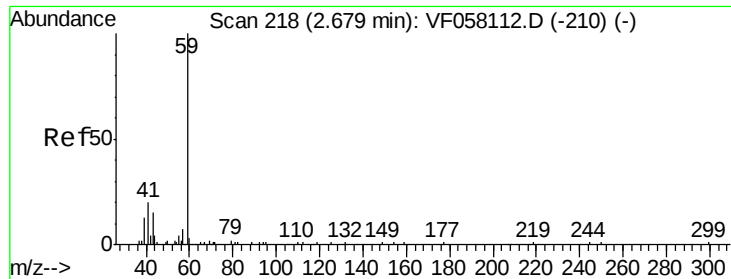
Delta R.T. 0.00 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 71471 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 65.2  | 54.1  | 81.1  |
| 141       | 15.1  | 13.0  | 19.4  |





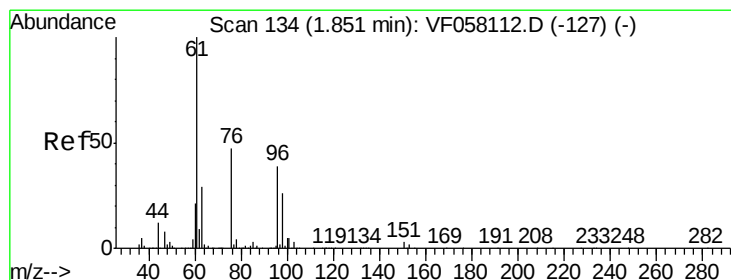
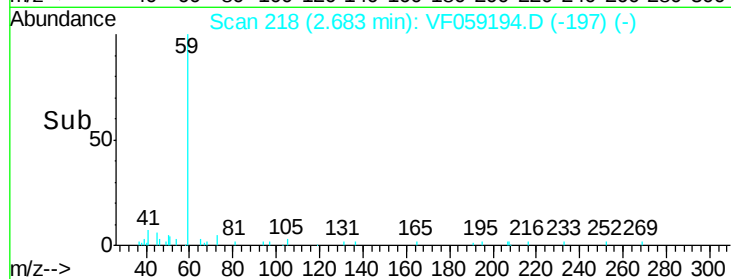
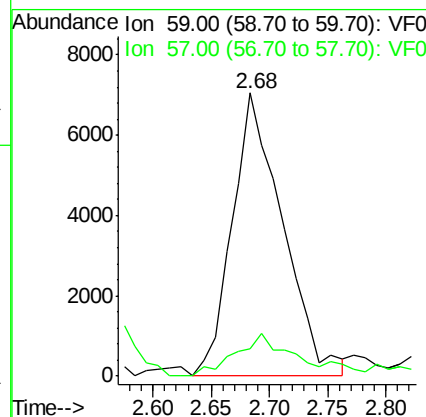
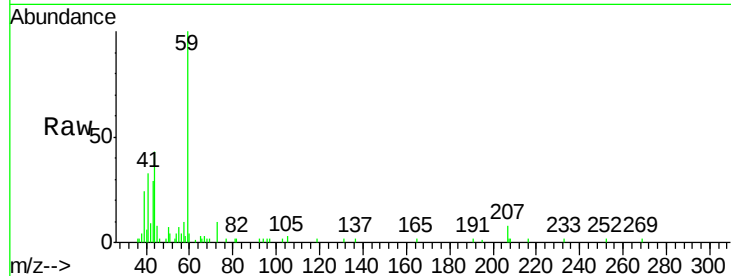
#11  
Tert butyl alcohol  
Concen: 104.30 ug/l  
RT: 2.68 min Scan# 218  
Delta R.T. 0.00 min  
Lab File: VF059194.D  
Acq: 19 Jun 2018 17:47

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0619SBS01

| Tot Ion   | 59  | Resp  | 21154 |
|-----------|-----|-------|-------|
| Ion Ratio | 100 | Lower | Upper |
| 57        | 9.8 | 8.7   | 13.1  |

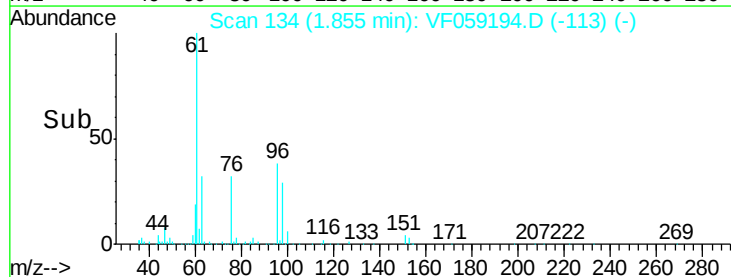
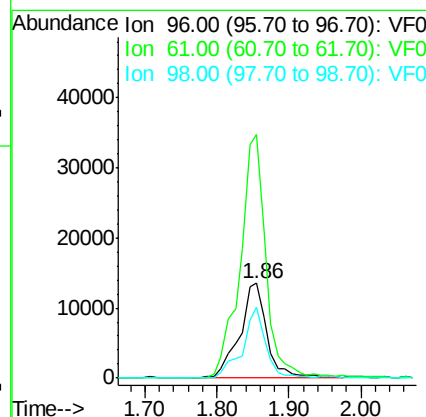
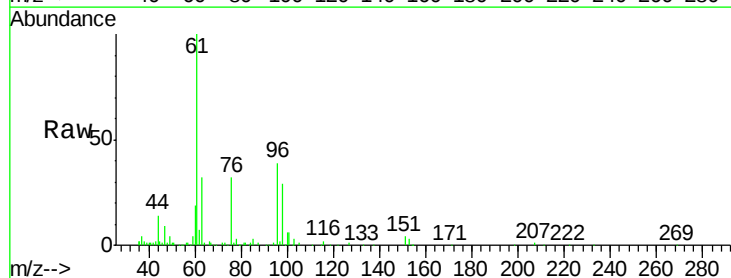
Manual Integrations  
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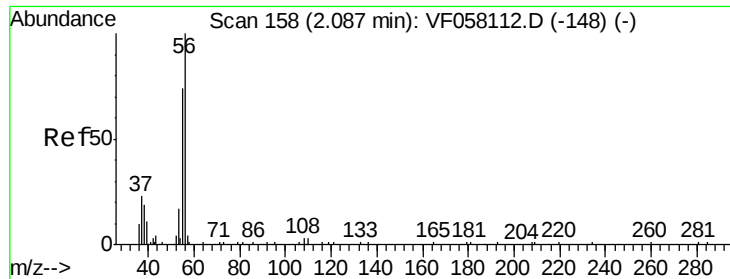
apatel  
6/20/2018 10:16:29 AM



#12  
1,1-Dichloroethene  
Concen: 20.88 ug/l  
RT: 1.86 min Scan# 134  
Delta R.T. 0.00 min  
Lab File: VF059194.D  
Acq: 19 Jun 2018 17:47

| Tgt Ion   | 96    | Resp  | 35908 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 61        | 256.6 | 203.0 | 304.4 |
| 98        | 74.6  | 52.7  | 79.1  |





#13

Acrolein

Concen: 80.27 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Tot Ion: 56 Resp: 14090

Ion Ratio Lower Upper

56 100

55 76.3 60.0 90.0

Instrument :

MSVOA\_F

ClientSampleId :

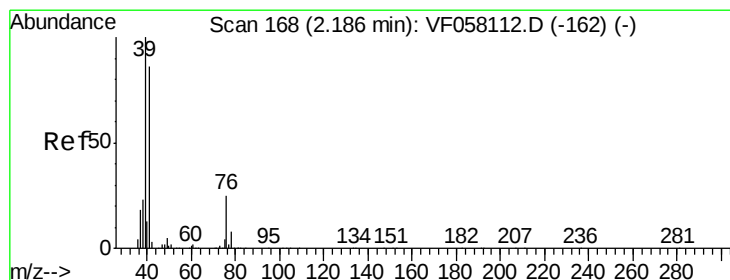
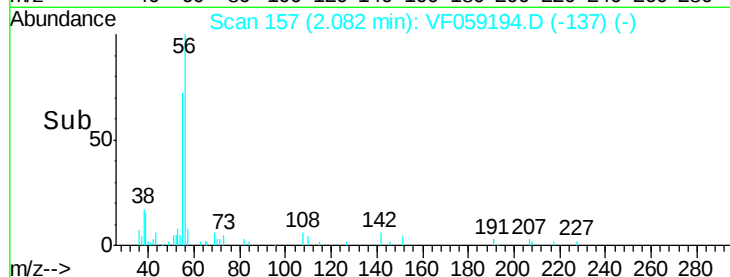
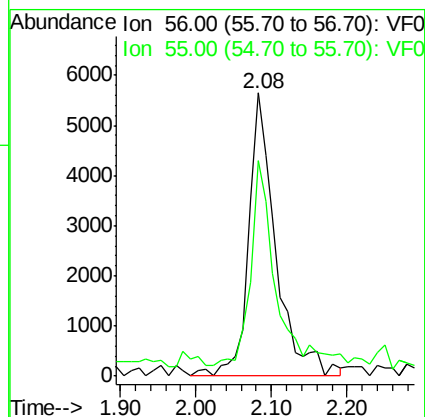
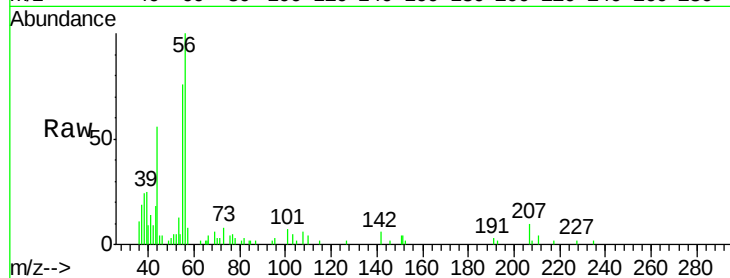
VF0619SBS01

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#14

Allyl chloride

Concen: 20.42 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

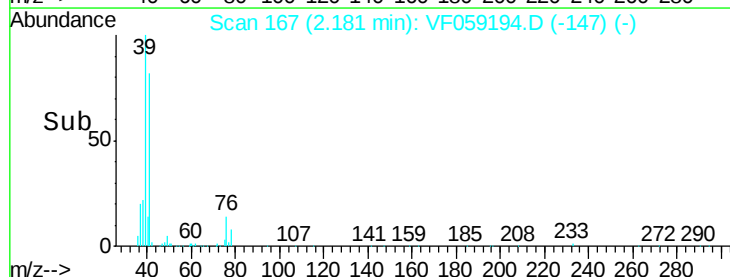
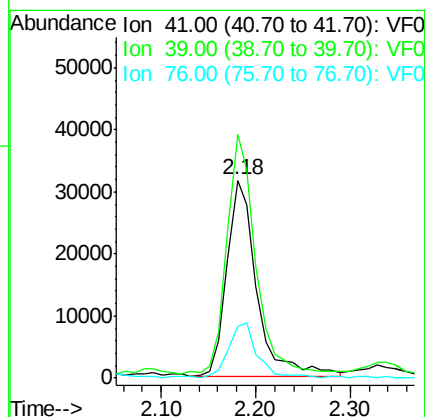
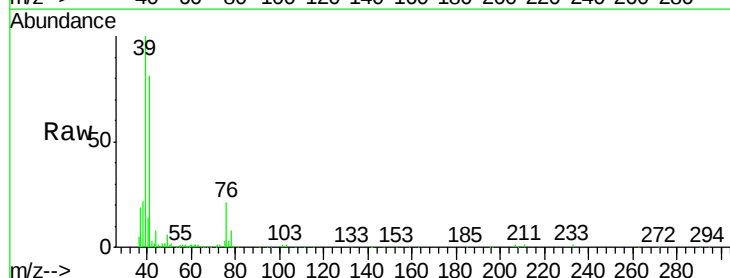
Tgt Ion: 41 Resp: 68923

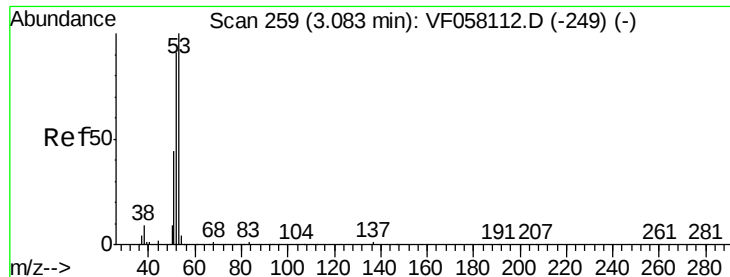
Ion Ratio Lower Upper

41 100

39 123.0 93.5 140.3

76 26.0 23.9 35.9





#15

Acrylonitrile

Concen: 117.62 ug/l

RT: 3.08 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :

MSVOA\_F

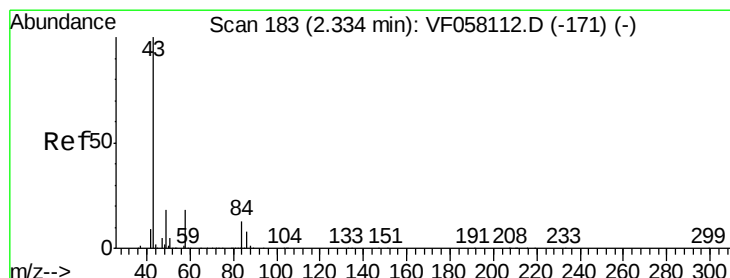
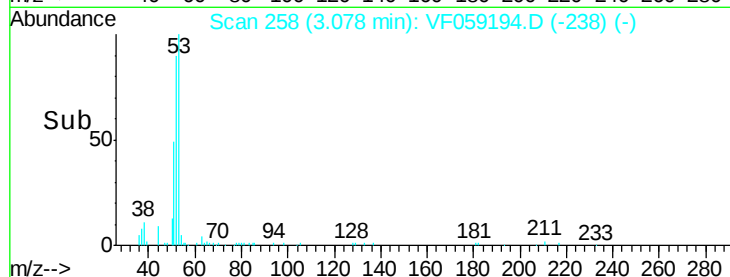
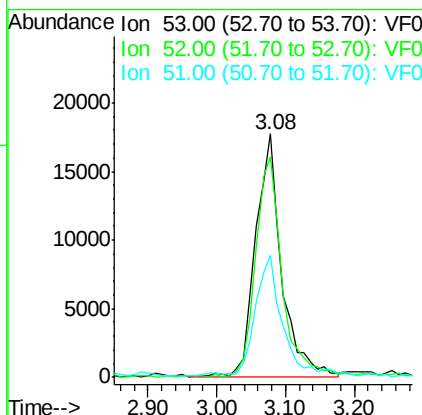
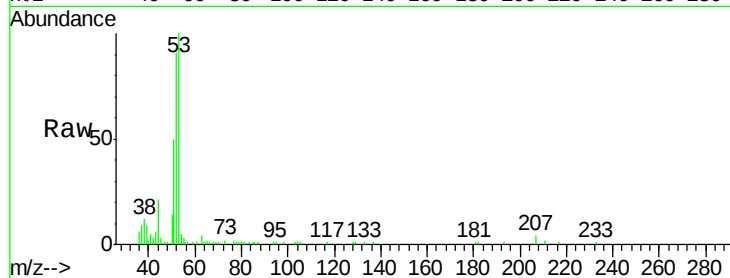
ClientSampleId :

VF0619SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 47378 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 90.7  | 73.2  | 109.8 |
| 51       | 49.9  | 35.6  | 53.4  |

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#16

Acetone

Concen: 124.41 ug/l

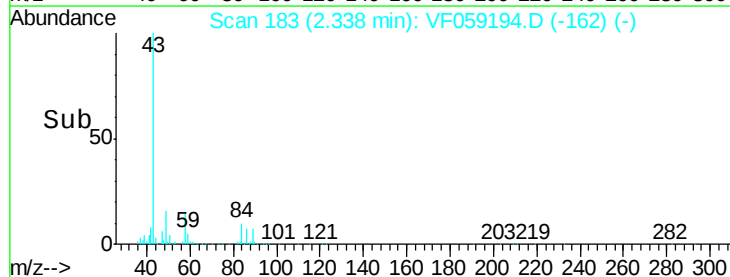
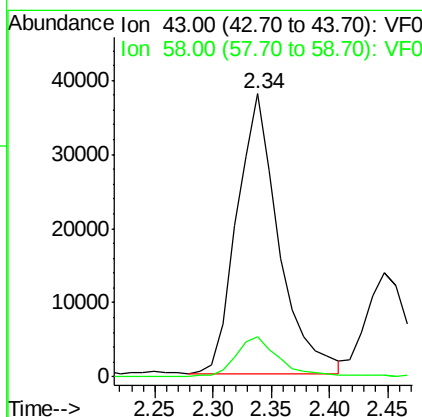
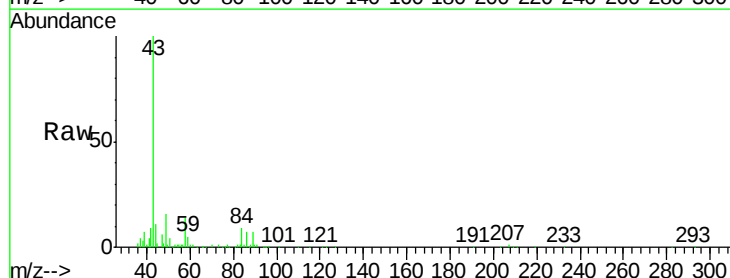
RT: 2.34 min Scan# 183

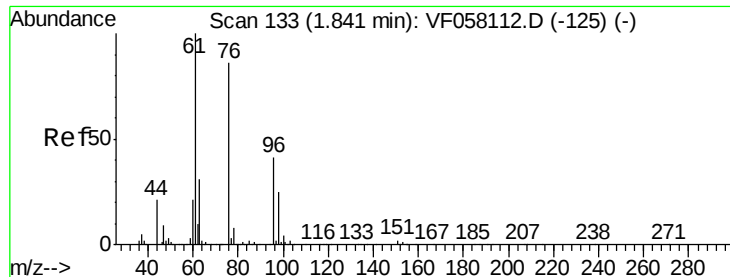
Delta R.T. 0.00 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 94022 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 14.3  | 14.4  | 21.6# |





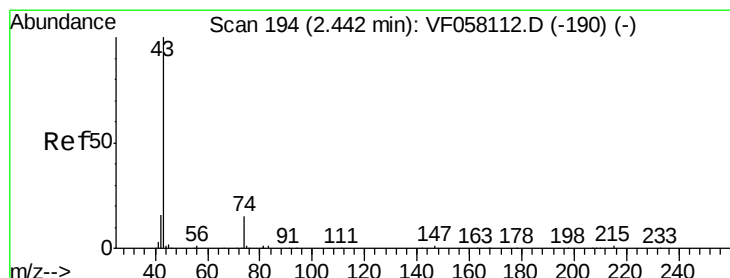
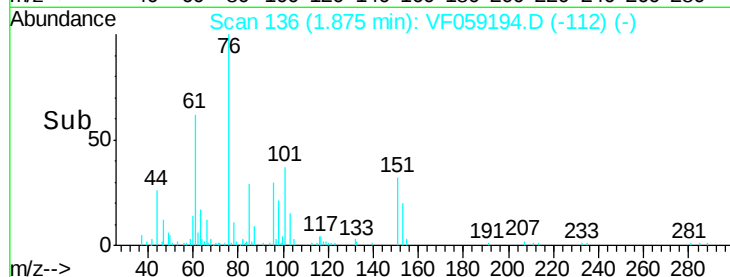
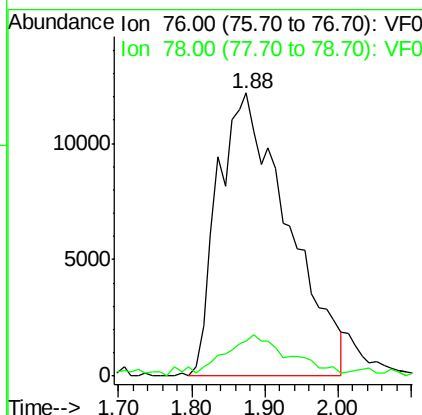
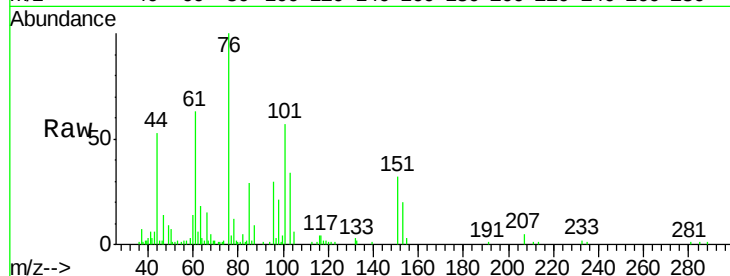
#17  
Carbon Disulfide  
Concen: 16.77 ug/l m  
RT: 1.88 min Scan# 136  
Delta R.T. 0.03 min  
Lab File: VF059194.D  
Acq: 19 Jun 2018 17:47

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0619SBSD01

Tot Ion: 76 Resp: 80971  
Ion Ratio Lower Upper  
76 100  
78 12.3 7.8 11.8#

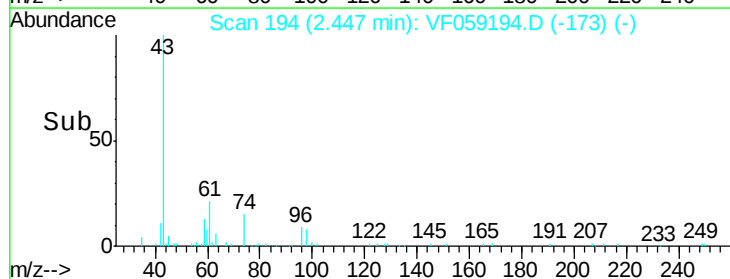
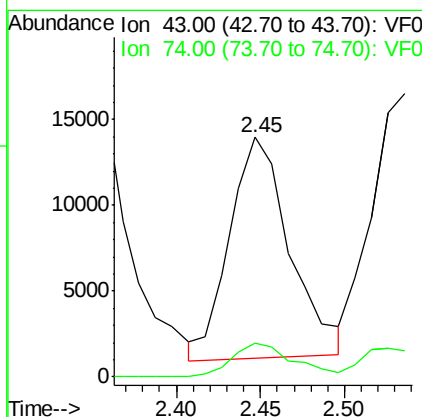
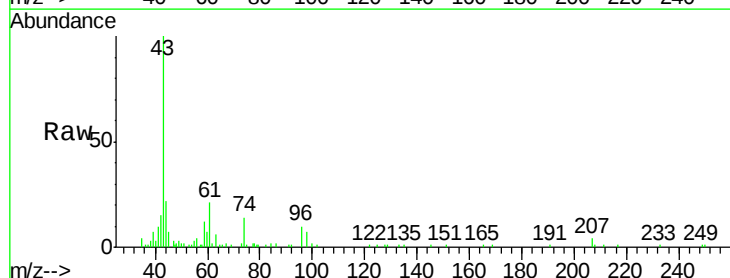
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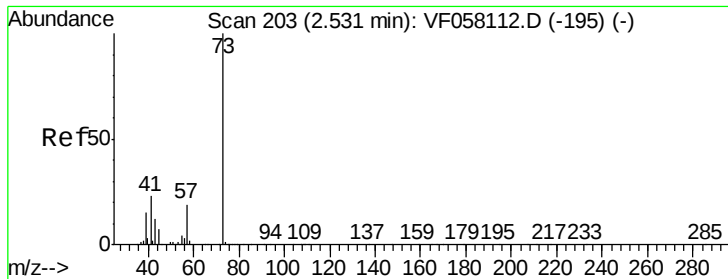
apatel  
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#18  
Methyl Acetate  
Concen: 24.59 ug/l  
RT: 2.45 min Scan# 194  
Delta R.T. 0.00 min  
Lab File: VF059194.D  
Acq: 19 Jun 2018 17:47

Tgt Ion: 43 Resp: 31943  
Ion Ratio Lower Upper  
43 100  
74 14.0 10.9 16.3





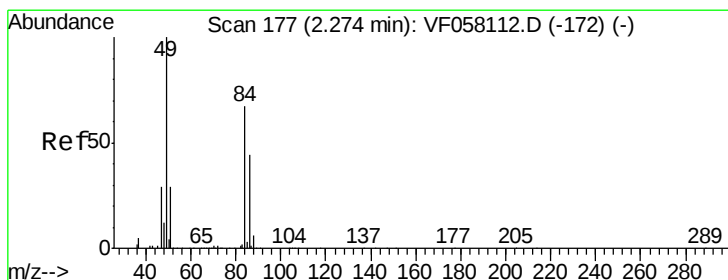
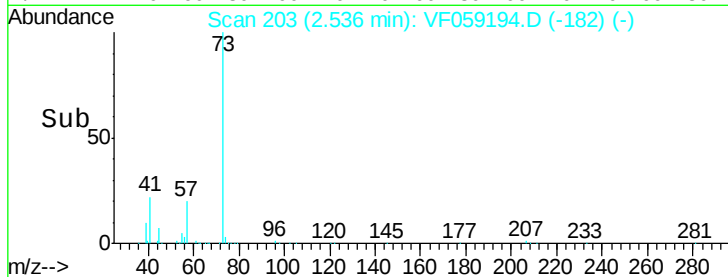
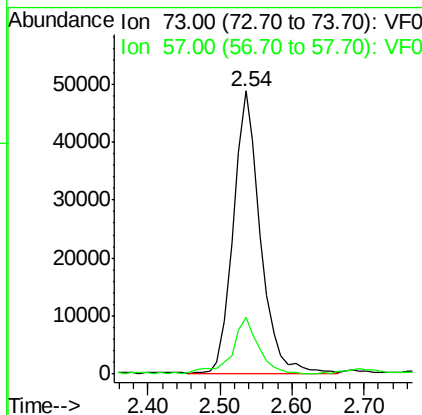
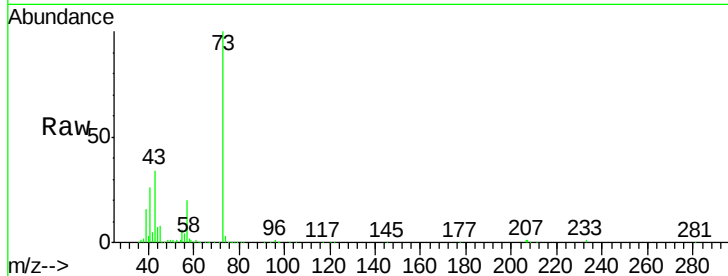
#19  
Methvl tert-butvl Ether  
Concen: 23.65 ug/l  
RT: 2.54 min Scan# 203  
Delta R.T. 0.00 min  
Lab File: VF059194.D  
Acq: 19 Jun 2018 17:47

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0619SBS01

Tot Ion: 73 Resp: 126278  
Ion Ratio Lower Upper  
73 100  
57 20.1 15.0 22.4

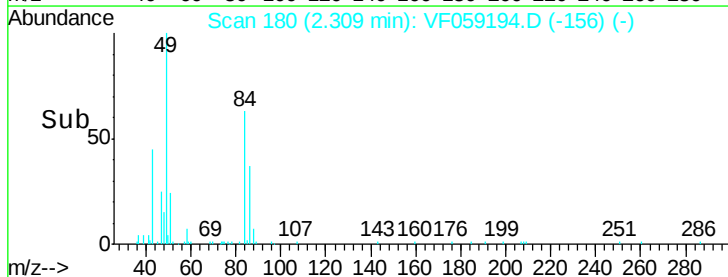
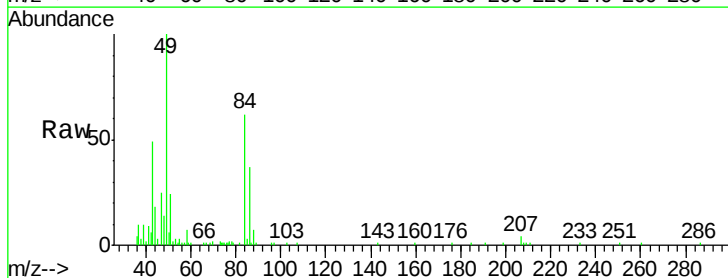
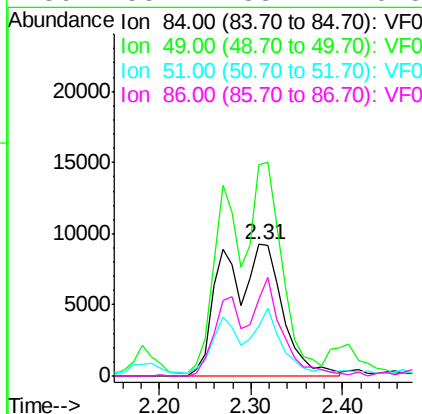
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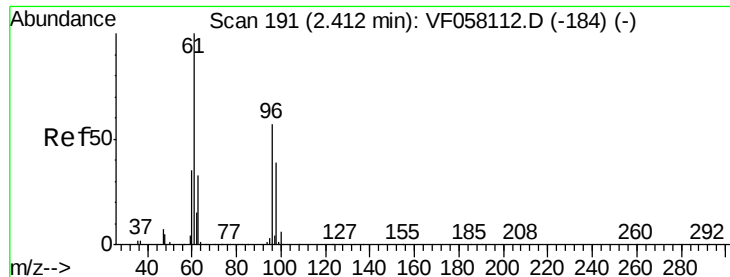
apatel  
6/20/2018 10:16:29 AM



#20  
Methylene Chloride  
Concen: 23.04 ug/l m  
RT: 2.31 min Scan# 180  
Delta R.T. 0.03 min  
Lab File: VF059194.D  
Acq: 19 Jun 2018 17:47

Tgt Ion: 84 Resp: 41694  
Ion Ratio Lower Upper  
84 100  
49 160.5 121.0 181.4  
51 38.3 35.8 53.6  
86 58.7 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 19.80 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :

MSVOA\_F

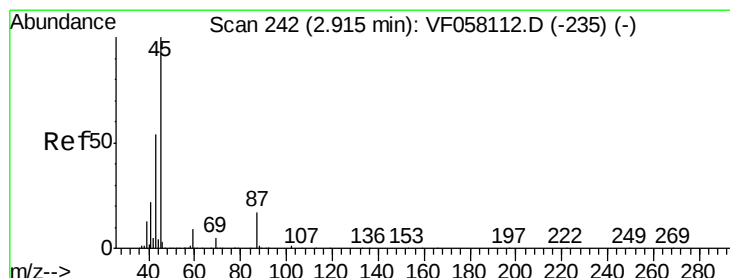
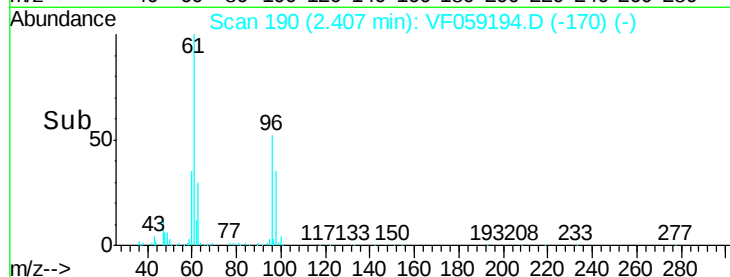
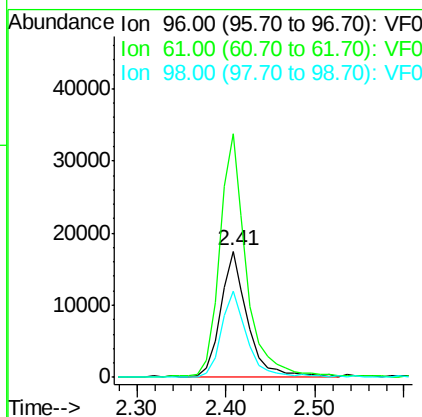
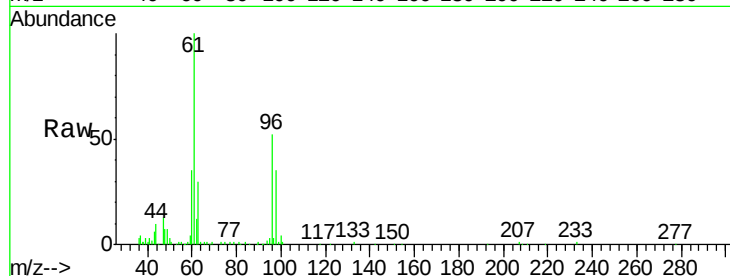
ClientSampleId :

VF0619SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 37350 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 192.8 | 139.4 | 209.2 |
| 98       | 68.0  | 54.0  | 81.0  |

Manual Integrations  
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6/20/2018 10:16:29 AM



#22

Diisopropyl ether

Concen: 21.86 ug/l

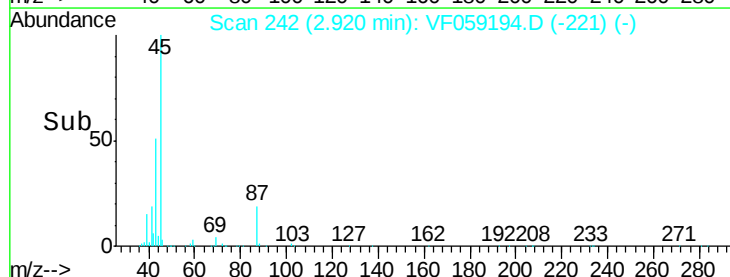
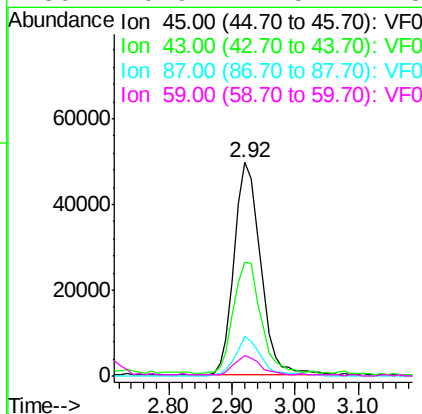
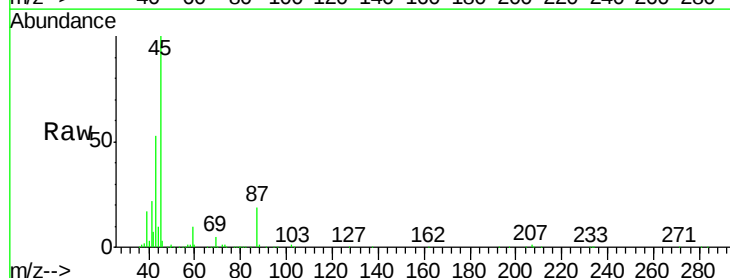
RT: 2.92 min Scan# 242

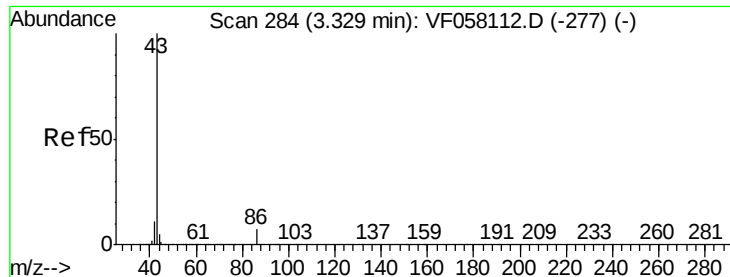
Delta R.T. 0.00 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 145072 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 53.4  | 43.2  | 64.8   |
| 87       | 18.6  | 13.8  | 20.6   |
| 59       | 9.9   | 7.5   | 11.3   |





#23

Vinyl Acetate

Concen: 112.78 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :

MSVOA\_F

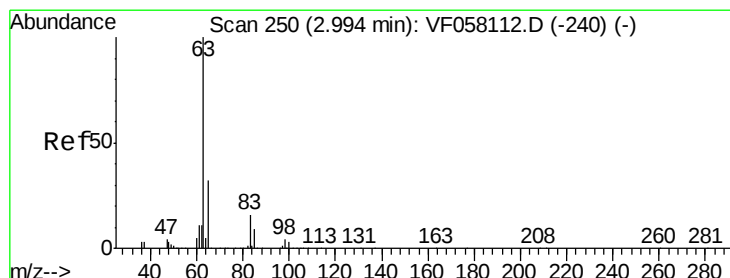
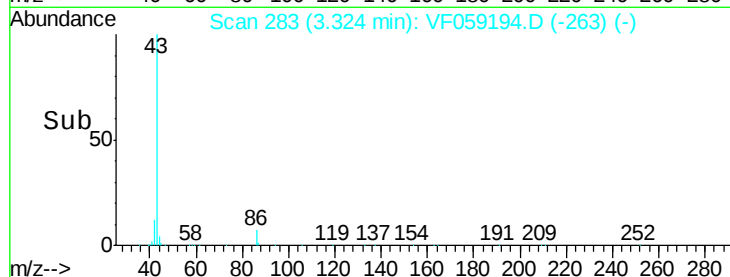
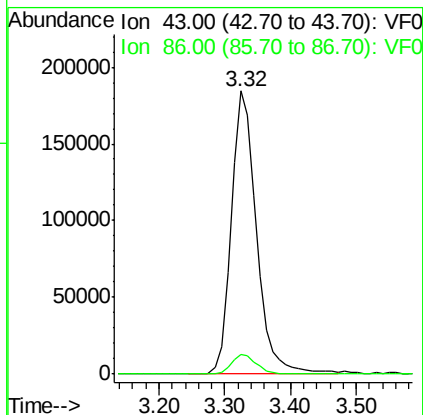
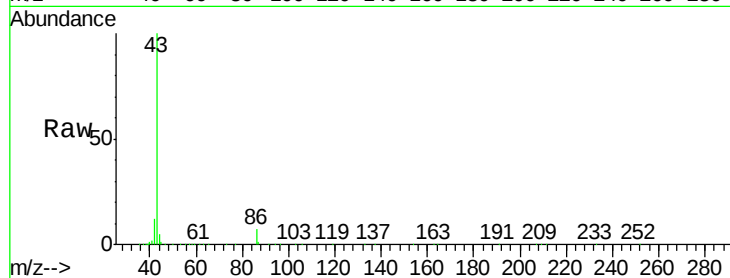
ClientSampleId :

VF0619SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 43    | Resp: | 493406 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 86        | 7.0   | 6.0   | 9.0    |

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#24

1,1-Dichloroethane

Concen: 21.46 ug/l

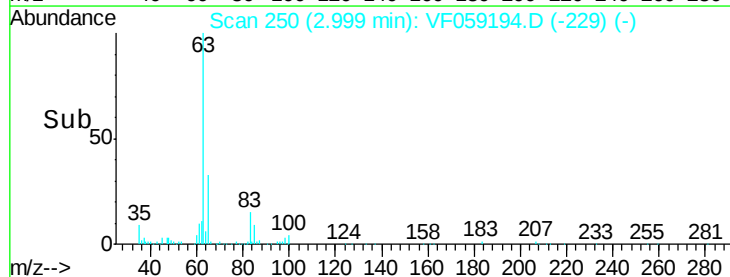
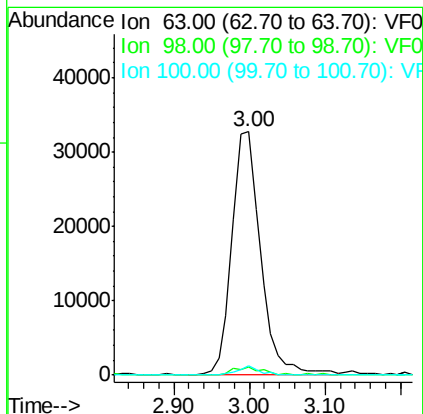
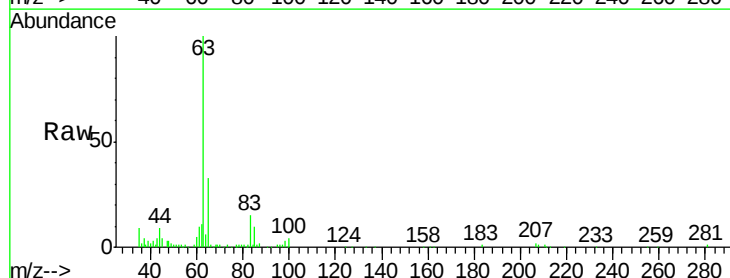
RT: 3.00 min Scan# 250

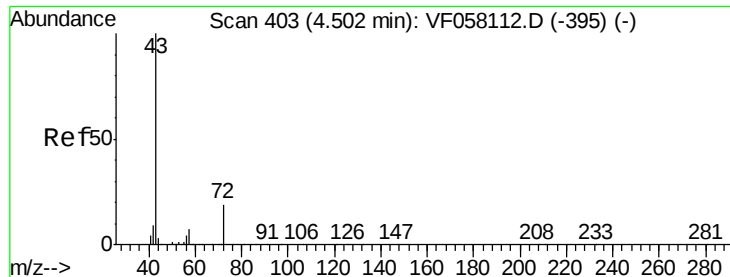
Delta R.T. 0.00 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 63    | Resp: | 86310 |
| Ion Ratio | Lower | Upper |       |
| 63        | 100   |       |       |
| 98        | 3.5   | 2.0   | 6.0   |
| 100       | 3.6   | 1.4   | 4.0   |





#25

2-Butanone

Concen: 102.83 ug/l

RT: 4.51 min Scan# 403

Delta R.T. 0.00 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :

MSVOA\_F

ClientSampleId :

VF0619SBS01

Tot Ion: 43 Resp: 120486

Ion Ratio Lower Upper

43 100

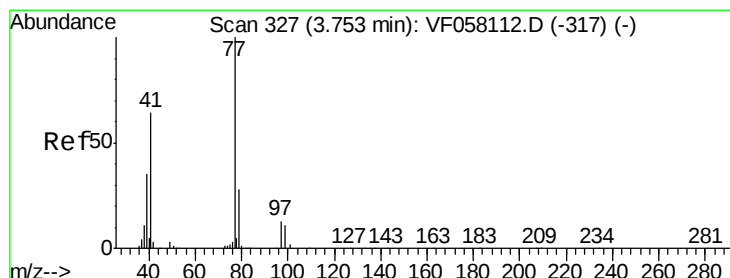
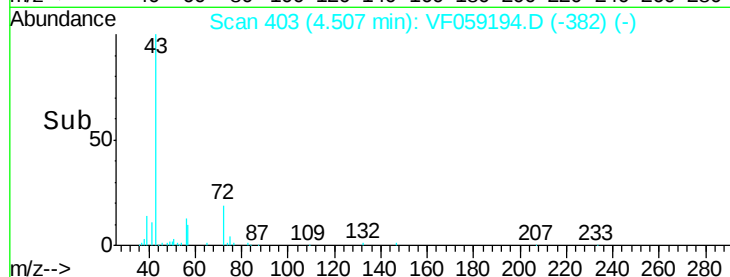
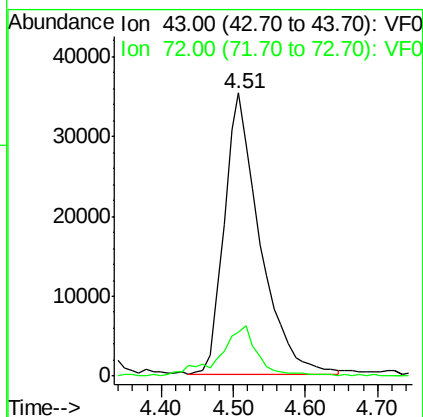
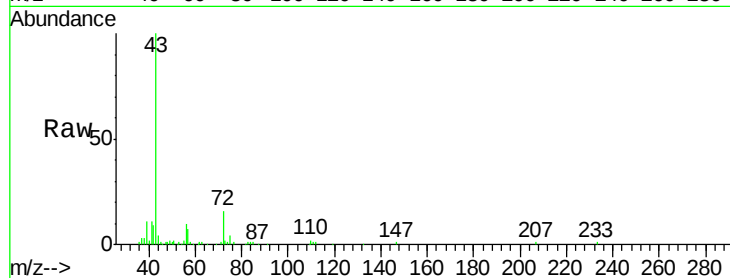
72 15.5 16.1 24.1#

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#26

2,2-Dichloropropane

Concen: 21.56 ug/l

RT: 3.76 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF059194.D

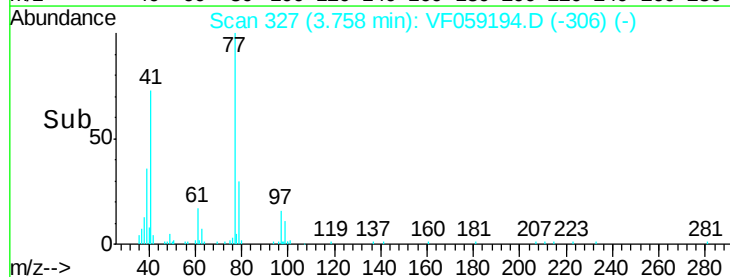
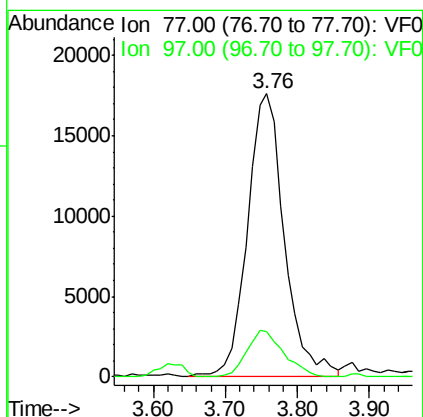
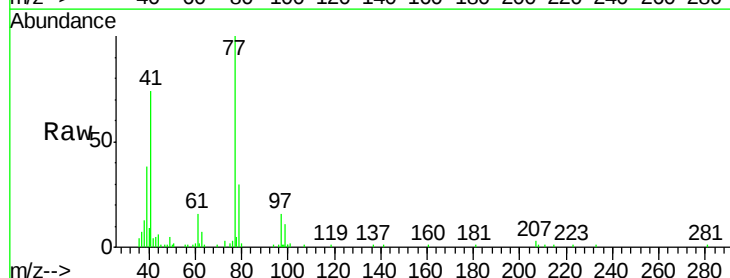
Acq: 19 Jun 2018 17:47

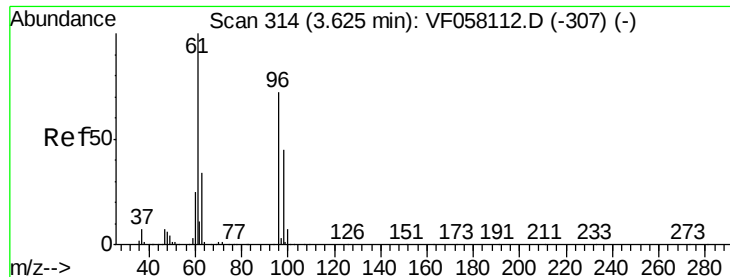
Tgt Ion: 77 Resp: 62932

Ion Ratio Lower Upper

77 100

97 17.2 7.2 21.6





#27

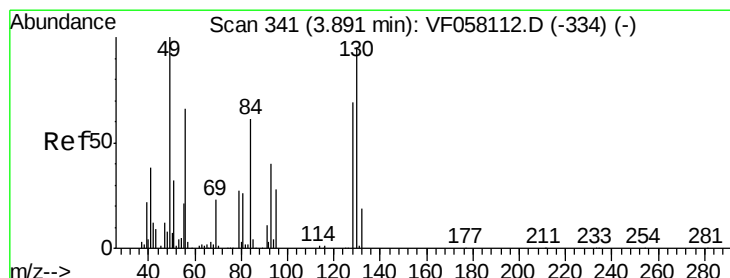
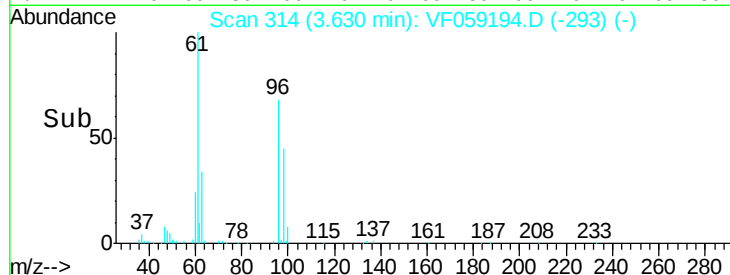
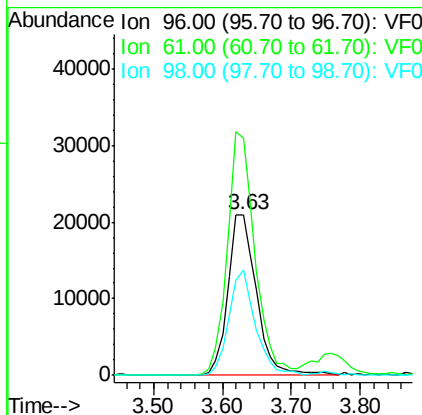
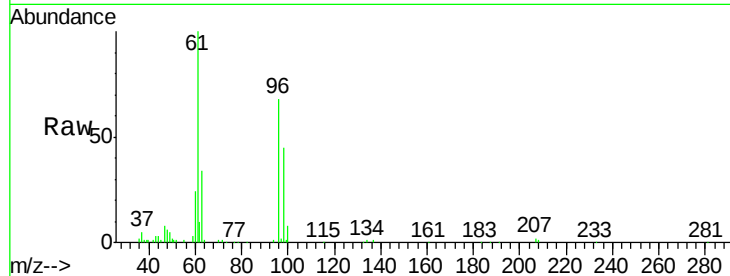
cis-1,2-Dichloroethene  
Concen: 20.82 ug/l  
RT: 3.63 min Scan# 314  
Delta R.T. 0.00 min  
Lab File: VF059194.D  
Acq: 19 Jun 2018 17:47

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0619SBS01

| Tot Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 96      | 100   |       | 60428 |       |       |
| 61      | 147.2 | 0.0   | 278.6 |       |       |
| 98      | 65.8  | 0.0   | 125.2 |       |       |

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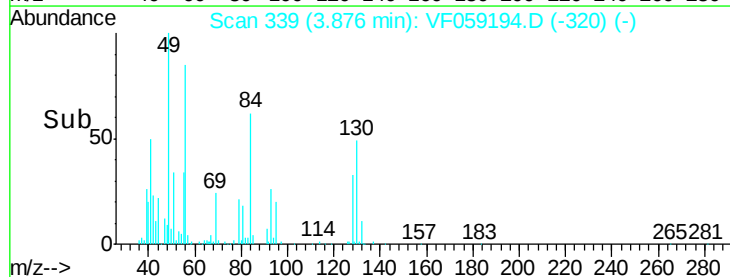
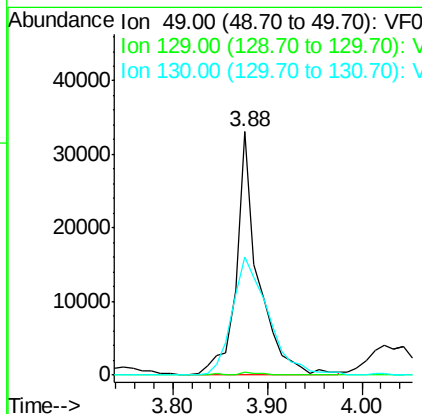
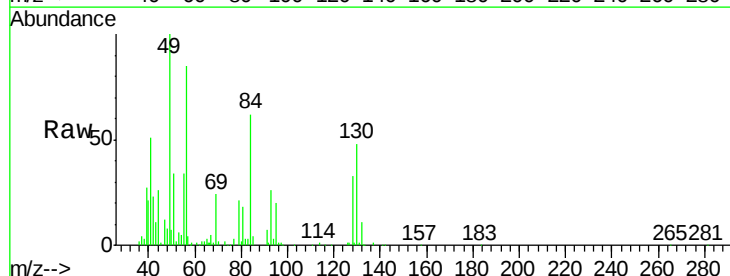
apatel  
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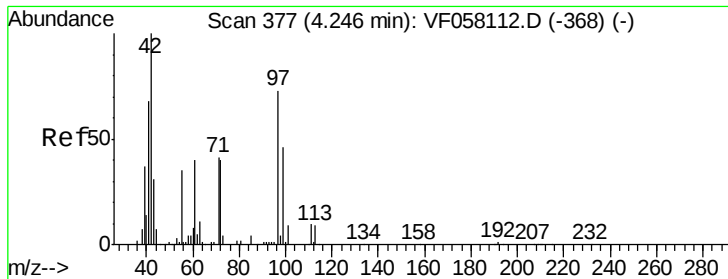


#28

Bromochloromethane  
Concen: 29.03 ug/l  
RT: 3.88 min Scan# 339  
Delta R.T. -0.01 min  
Lab File: VF059194.D  
Acq: 19 Jun 2018 17:47

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 49      | 100  |       | 52555  |       |       |
| 129     | 1.2  | 0.0   | 0.0#   |       |       |
| 130     | 49.5 | 75.8  | 113.8# |       |       |





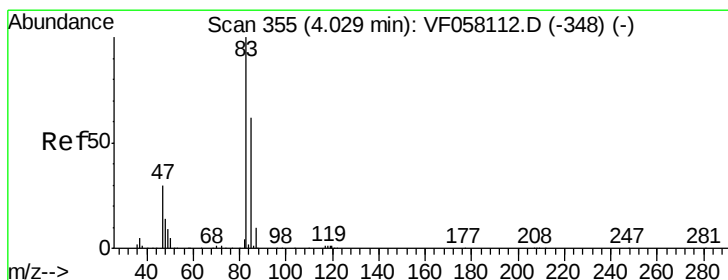
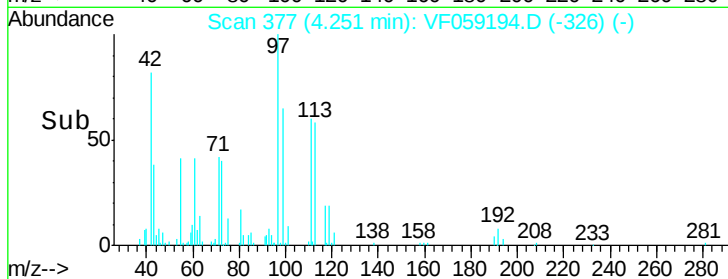
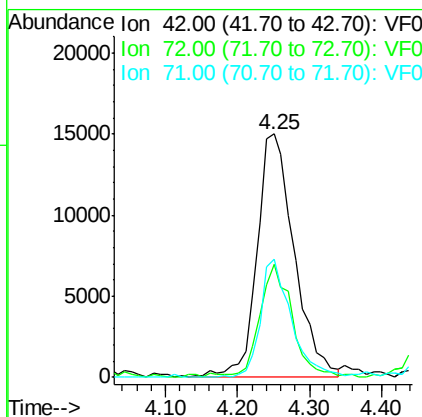
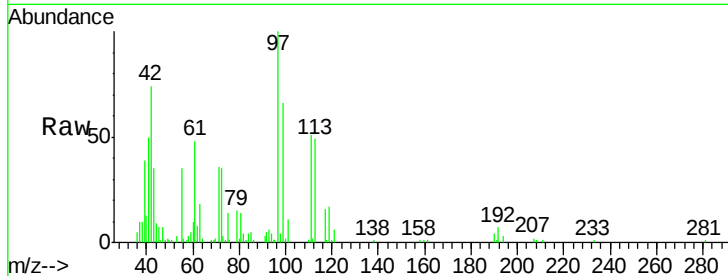
#29  
Tetrahydrofuran  
Concen: 104.33 ug/l  
RT: 4.25 min Scan# 377  
Delta R.T. 0.00 min  
Lab File: VF059194.D  
Acq: 19 Jun 2018 17:47

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0619SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 40.9  | 30.5  | 45.7  |
| 71      | 40.0  | 31.5  | 47.3  |

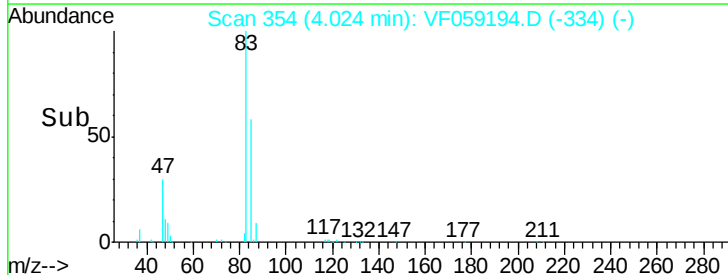
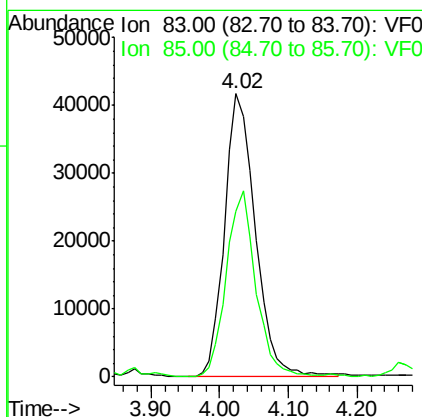
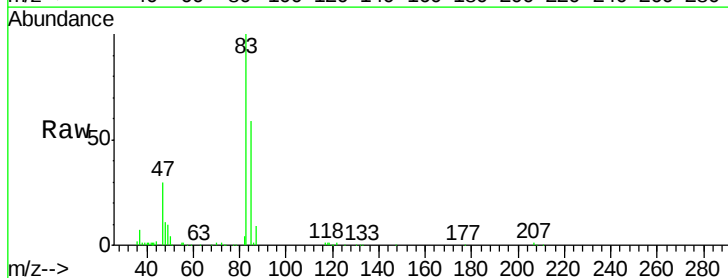
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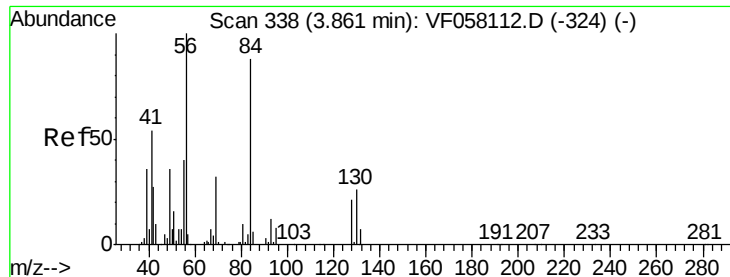
apatel  
6/20/2018 10:16:29 AM



#30  
Chloroform  
Concen: 22.56 ug/l  
RT: 4.02 min Scan# 354  
Delta R.T. -0.01 min  
Lab File: VF059194.D  
Acq: 19 Jun 2018 17:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 58.6  | 49.5  | 74.3  |





#31

Cyclohexane

Concen: 19.66 ug/l

RT: 3.88 min Scan# 339

Delta R.T. 0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :

MSVOA\_F

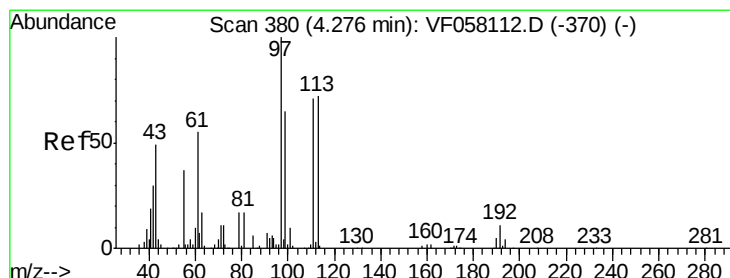
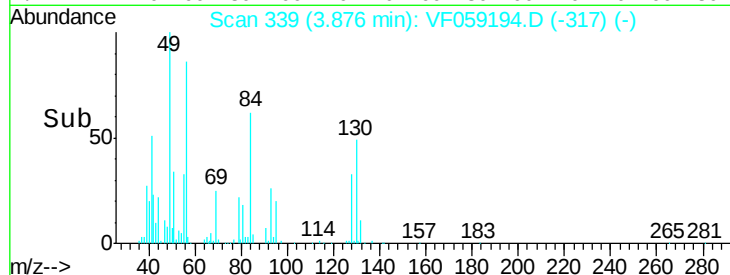
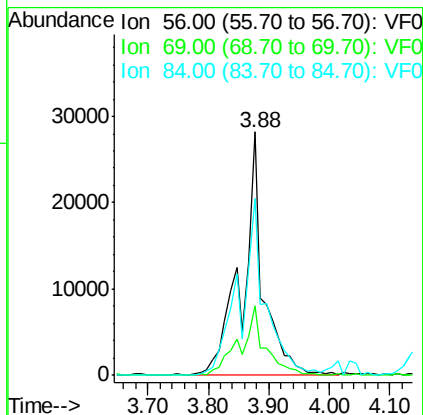
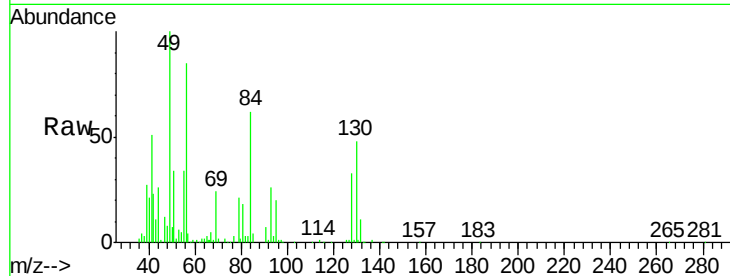
ClientSampleId :

VF0619SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 56    | Resp: | 69078 |
| Ion Ratio | Lower | Upper |       |
| 56        | 100   |       |       |
| 69        | 28.6  | 25.9  | 38.9  |
| 84        | 72.7  | 70.3  | 105.5 |

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#32

1,1,1-Trichloroethane

Concen: 21.43 ug/l

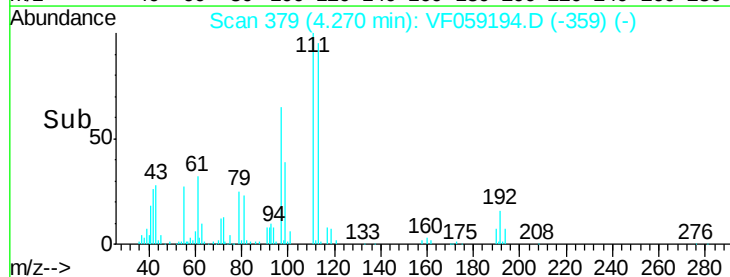
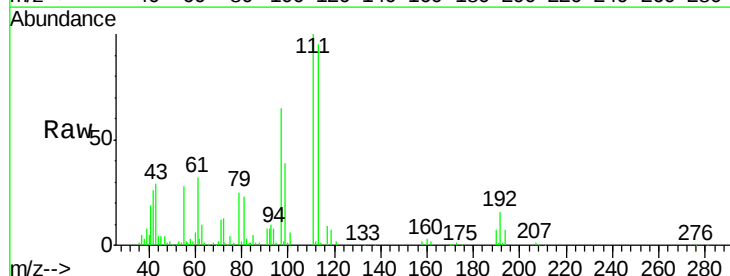
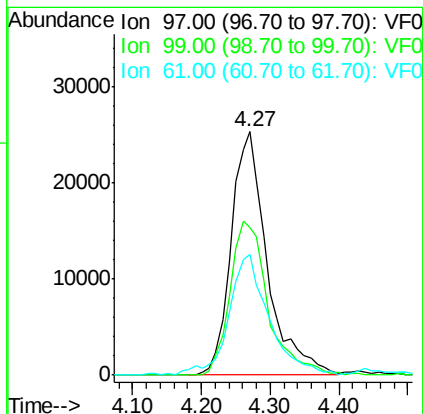
RT: 4.27 min Scan# 379

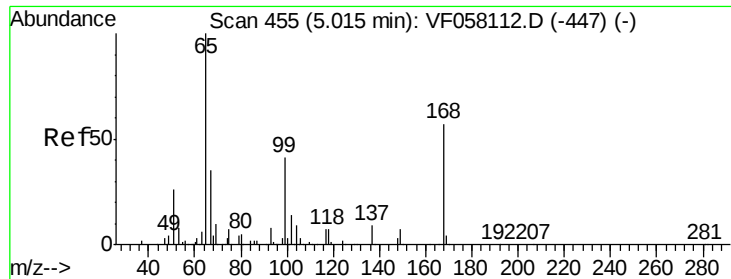
Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 97    | Resp: | 92046 |
| Ion Ratio | Lower | Upper |       |
| 97        | 100   |       |       |
| 99        | 60.5  | 52.0  | 78.0  |
| 61        | 49.3  | 44.3  | 66.5  |





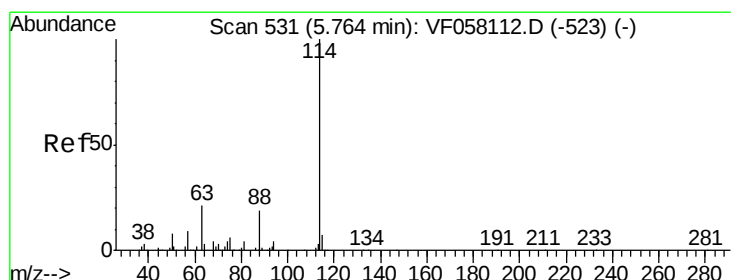
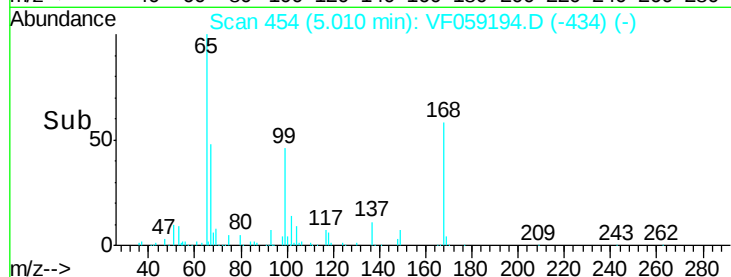
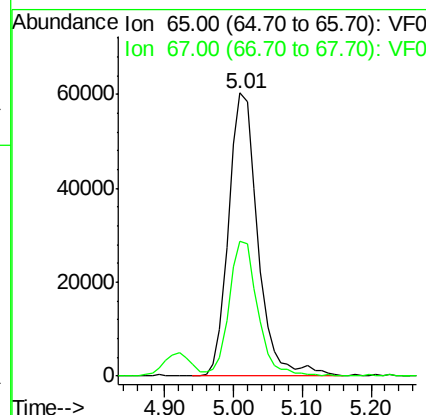
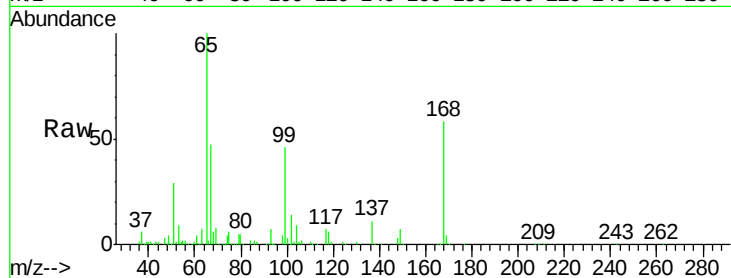
#33  
 1,2-Dichloroethane-d4  
 Concen: 55.96 ug/l  
 RT: 5.01 min Scan# 454  
 Delta R.T. -0.01 min  
 Lab File: VF059194.D  
 Acq: 19 Jun 2018 17:47

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0619SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 177122 |       |       |
| 67      | 47.5  | 0.0    | 97.0  |       |

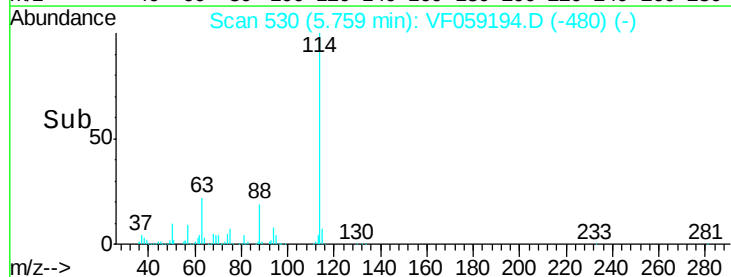
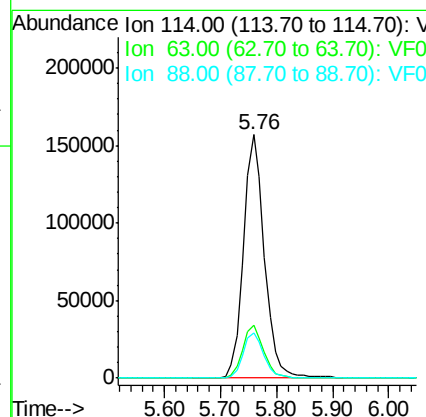
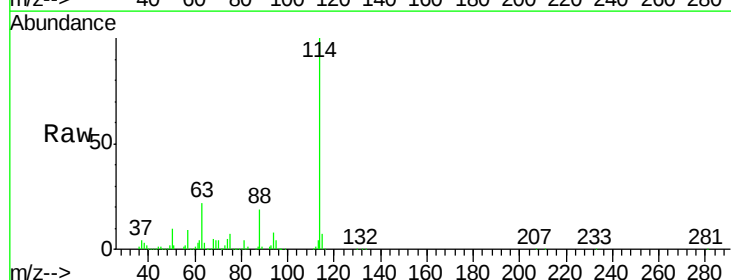
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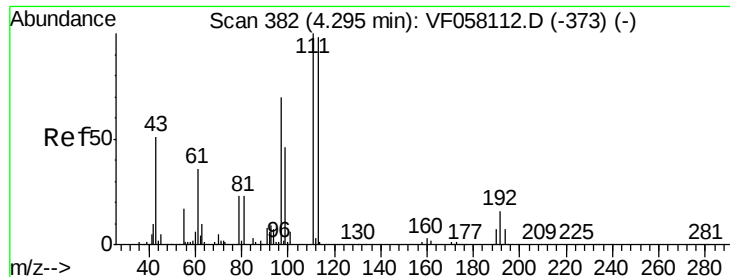
apatel  
 6/20/2018 10:16:29 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 5.76 min Scan# 530  
 Delta R.T. -0.01 min  
 Lab File: VF059194.D  
 Acq: 19 Jun 2018 17:47

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 406305 |       |       |
| 63      | 21.7  | 0.0    | 41.6  |       |
| 88      | 18.8  | 0.0    | 38.8  |       |





#35

Dibromofluoromethane

Concen: 55.46 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :

MSVOA\_F

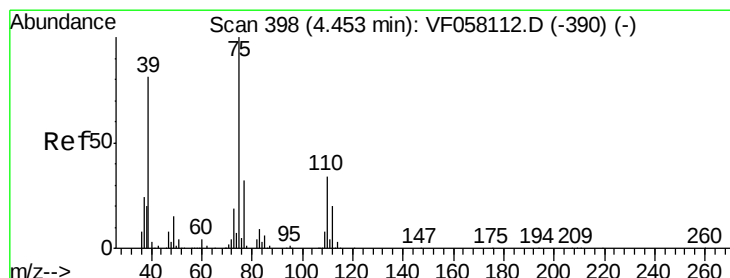
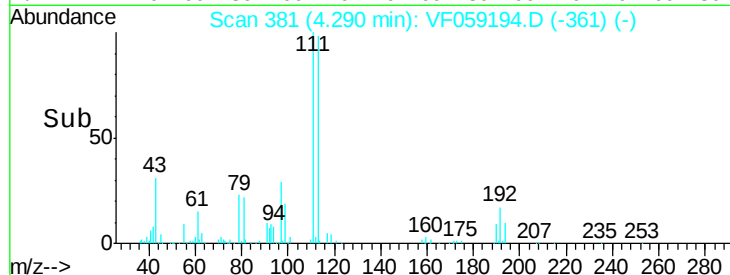
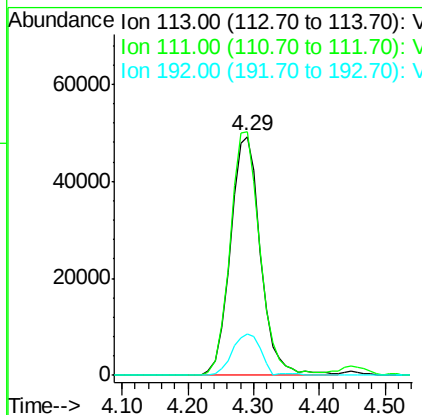
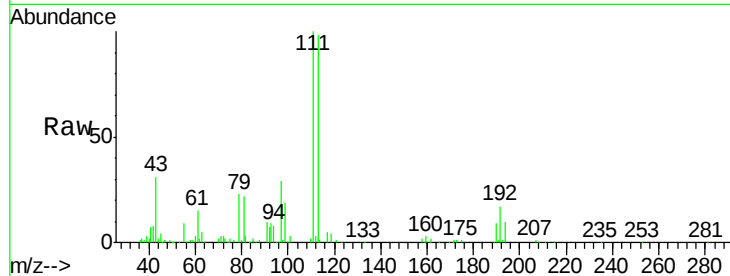
ClientSampleId :

VF0619SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 158101 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 101.9 | 81.3  | 121.9  |
| 192       | 17.1  | 12.7  | 19.1   |

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#36

1,1-Dichloropropene

Concen: 21.14 ug/l

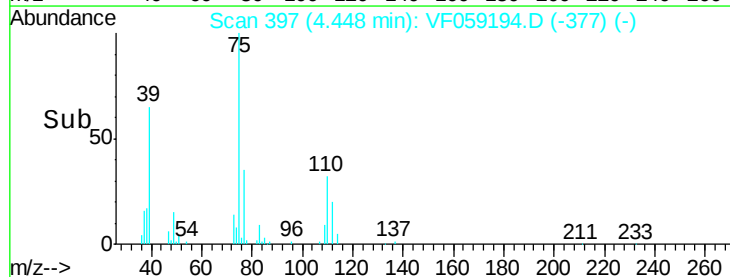
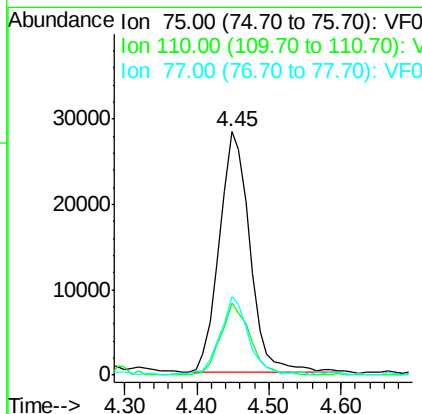
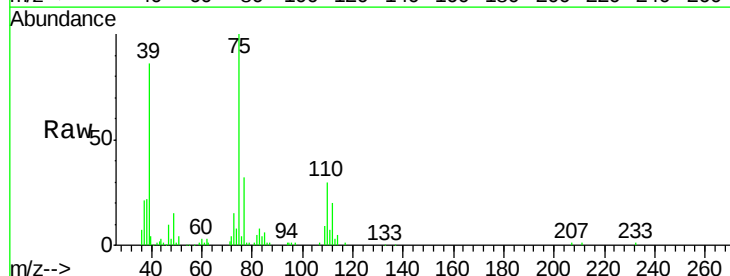
RT: 4.45 min Scan# 397

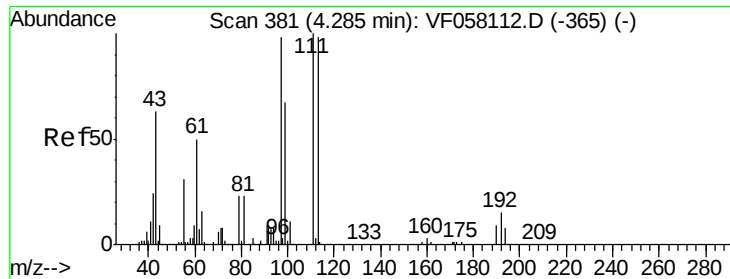
Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 83248 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 29.7  | 17.0  | 50.9  |
| 77        | 32.0  | 25.3  | 37.9  |





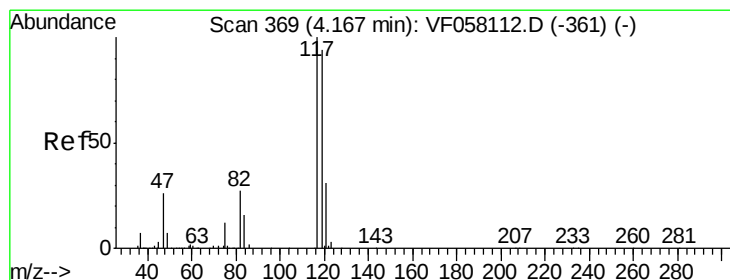
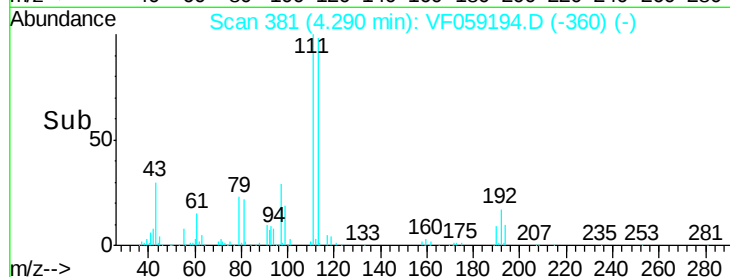
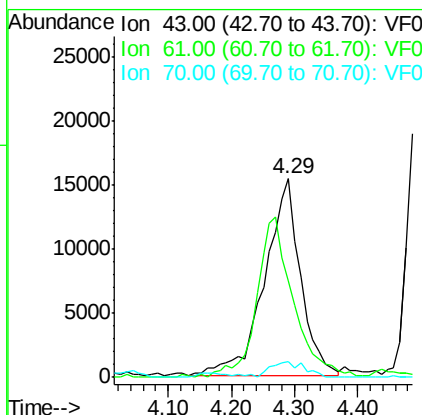
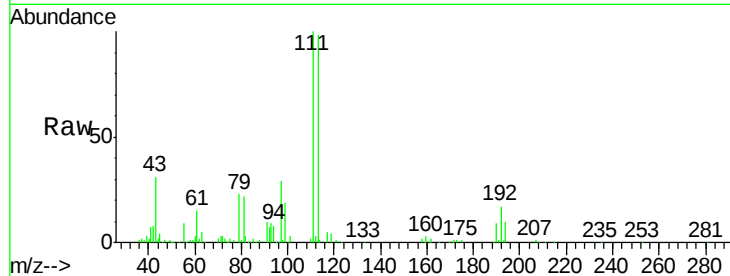
#37  
Ethyl Acetate  
Concen: 25.00 ug/l  
RT: 4.29 min Scan# 381  
Delta R.T. 0.00 min  
Lab File: VF059194.D  
Acq: 19 Jun 2018 17:47

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0619SBS01

| Tot Ion | 43   | 61   | 70   | Ratio | Lower | Upper |
|---------|------|------|------|-------|-------|-------|
| 43      | 100  |      |      |       |       |       |
| 61      | 48.9 | 63.0 | 94.4 |       |       |       |
| 70      | 8.1  | 7.5  | 11.3 |       |       |       |

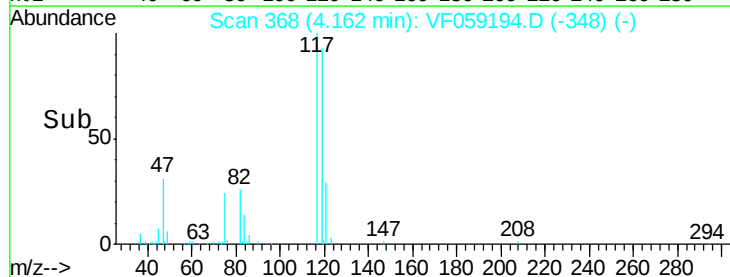
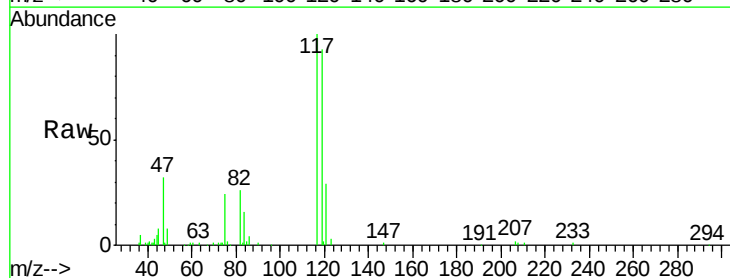
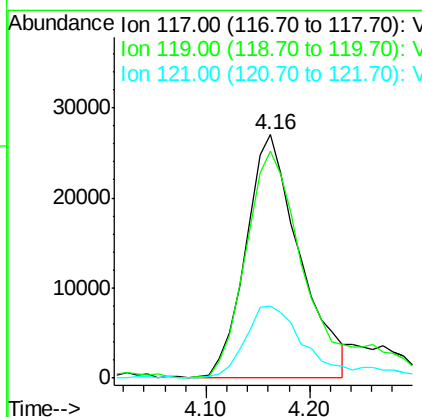
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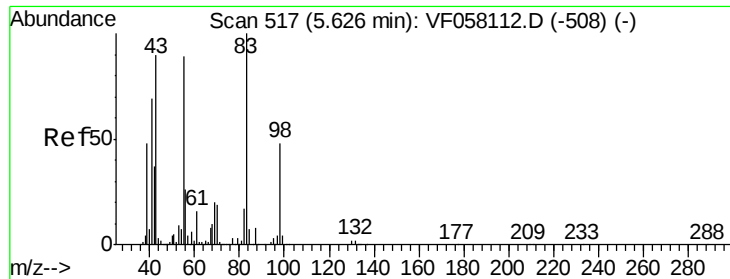
apatel  
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#38  
Carbon Tetrachloride  
Concen: 22.80 ug/l m  
RT: 4.16 min Scan# 368  
Delta R.T. -0.01 min  
Lab File: VF059194.D  
Acq: 19 Jun 2018 17:47

| Tgt Ion | 117  | 119  | 121   | Ratio | Lower | Upper |
|---------|------|------|-------|-------|-------|-------|
| 117     | 100  |      |       |       |       |       |
| 119     | 93.0 | 75.7 | 113.5 |       |       |       |
| 121     | 29.4 | 24.8 | 37.2  |       |       |       |





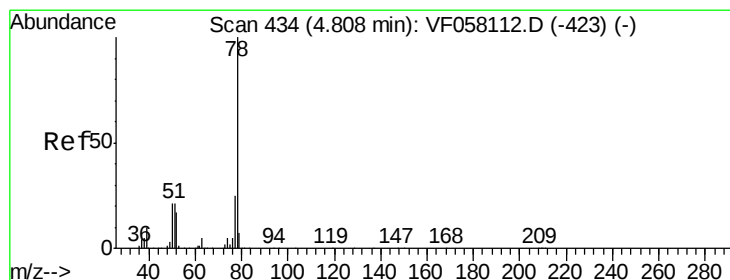
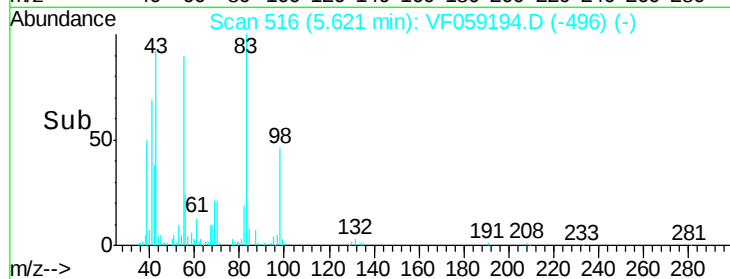
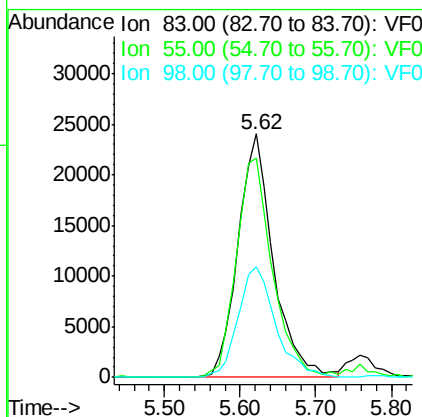
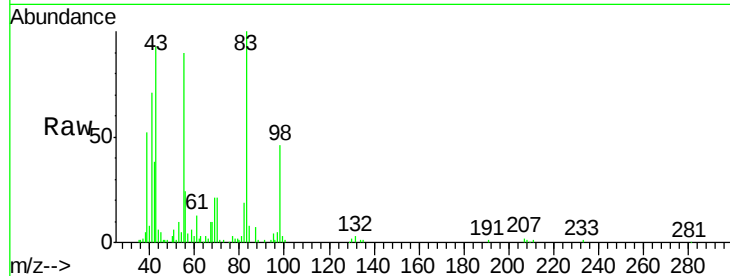
#39  
Methvlcvclohexane  
Concen: 19.36 ug/l  
RT: 5.62 min Scan# 516  
Delta R.T. -0.01 min  
Lab File: VF059194.D  
Acq: 19 Jun 2018 17:47

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0619SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 89.9  | 71.0  | 106.4 |
| 98      | 45.6  | 38.1  | 57.1  |

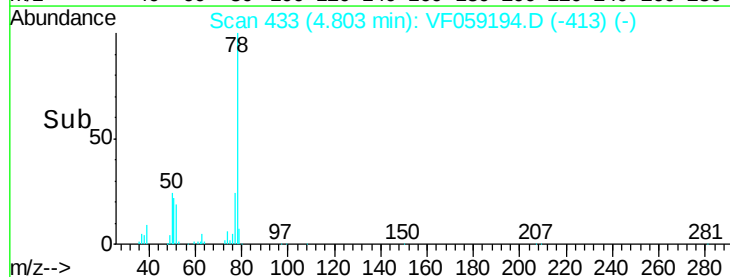
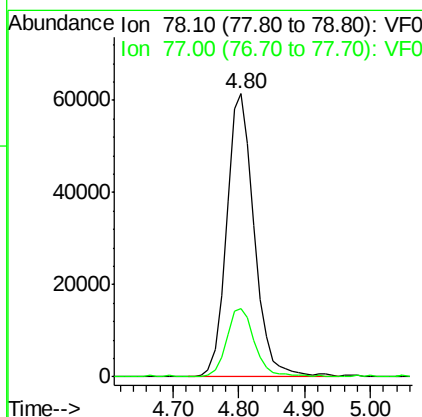
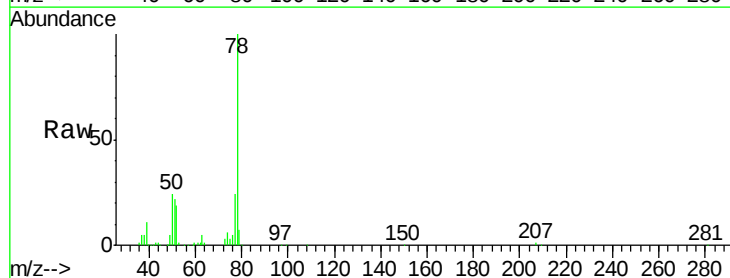
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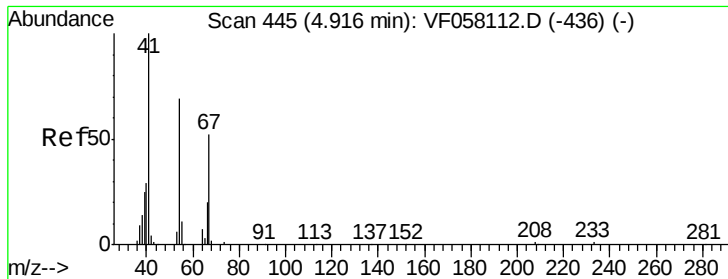
apatel  
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#40  
Benzene  
Concen: 19.73 ug/l  
RT: 4.80 min Scan# 433  
Delta R.T. -0.01 min  
Lab File: VF059194.D  
Acq: 19 Jun 2018 17:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.3  | 20.2  | 30.2  |





#41

Methacrylonitrile

Concen: 21.52 ug/l

RT: 4.91 min Scan# 444

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :

MSVOA\_F

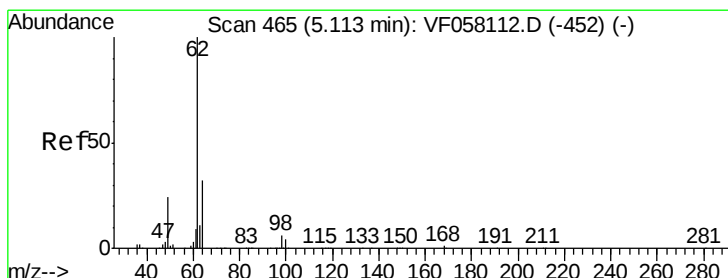
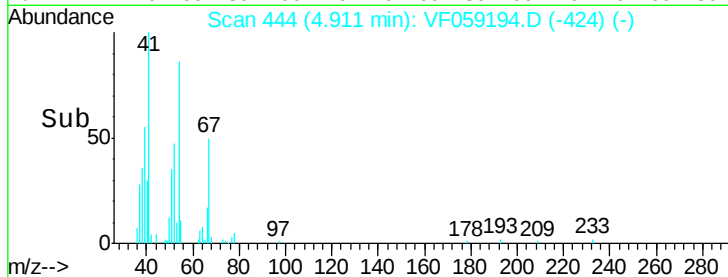
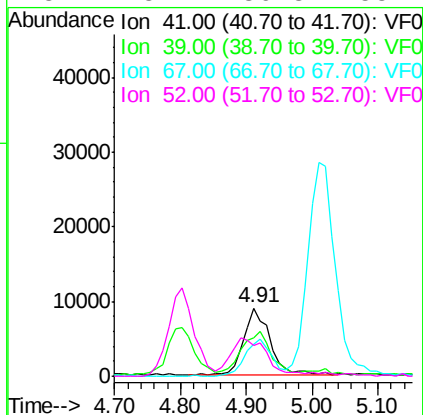
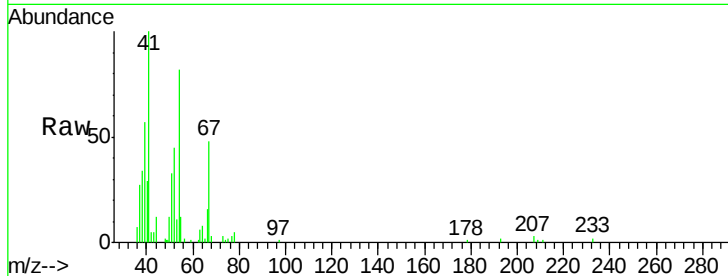
ClientSampleId :

VF0619SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 56.8  | 53.0  | 79.4  |
| 67      | 47.9  | 41.0  | 61.6  |
| 52      | 45.1  | 36.8  | 55.2  |

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#42

1,2-Dichloroethane

Concen: 23.66 ug/l

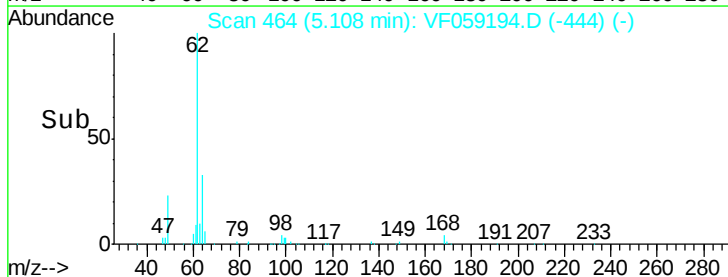
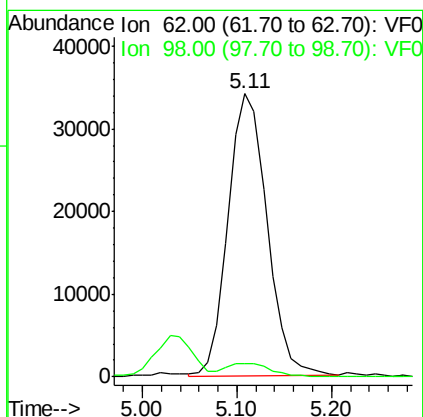
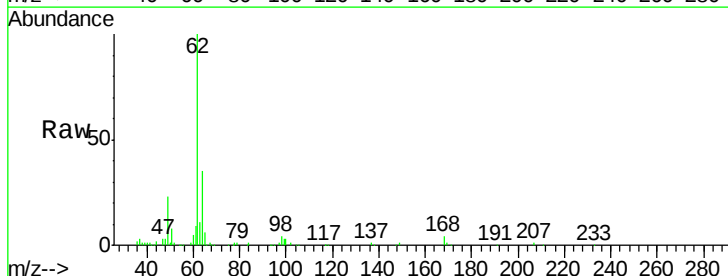
RT: 5.11 min Scan# 464

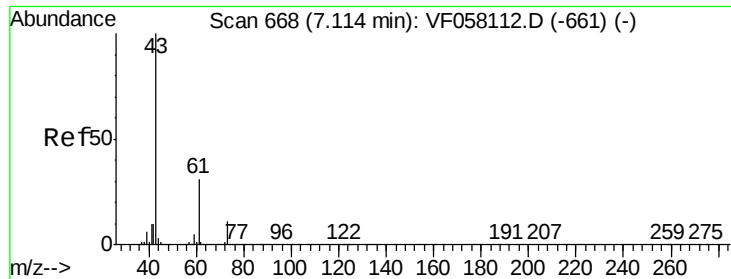
Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 4.5   | 0.0   | 11.8  |





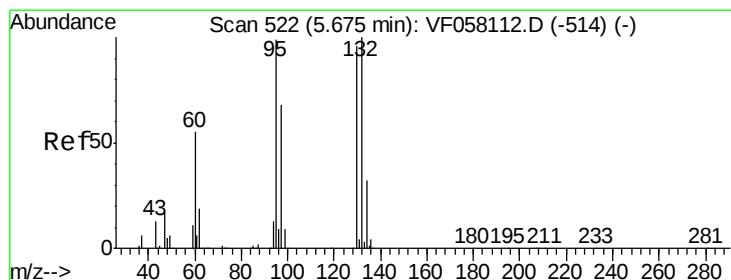
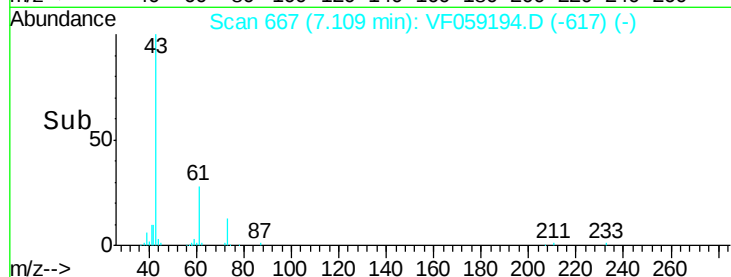
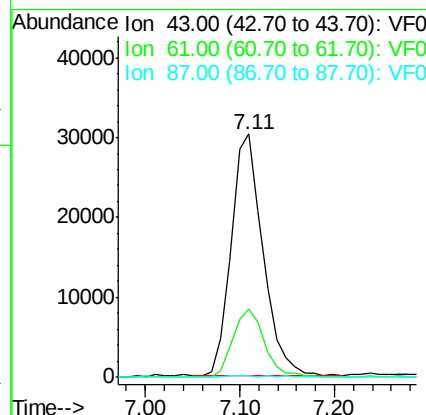
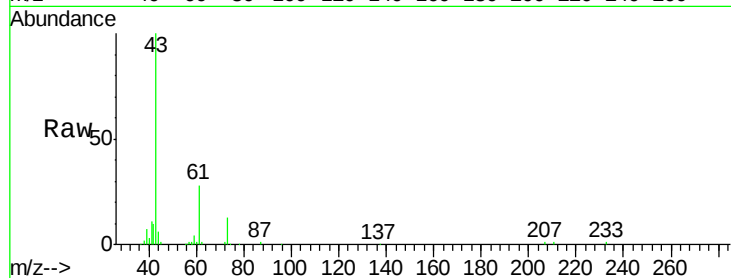
#43  
Isopropyl Acetate  
Concen: 21.60 ug/l  
RT: 7.11 min Scan# 667  
Delta R.T. -0.01 min  
Lab File: VF059194.D  
Acq: 19 Jun 2018 17:47

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0619SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 27.8  | 25.1  | 37.7  |
| 87      | 0.9   | 0.2   | 0.4   |

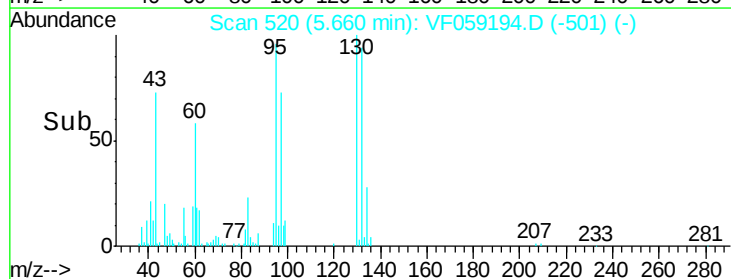
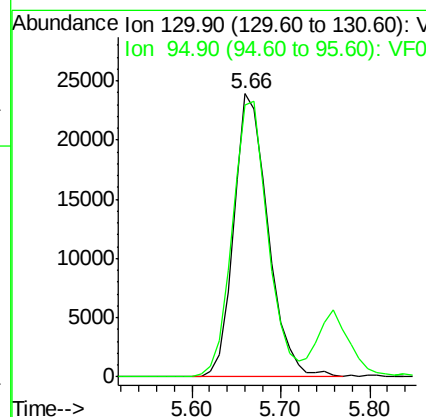
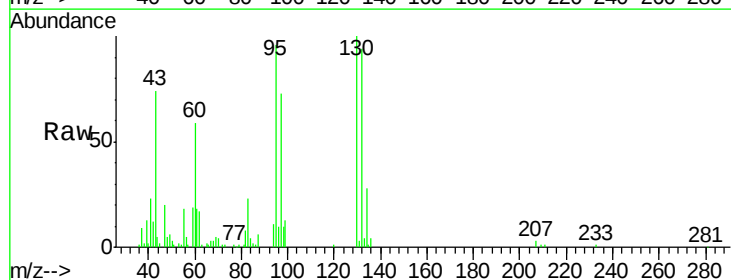
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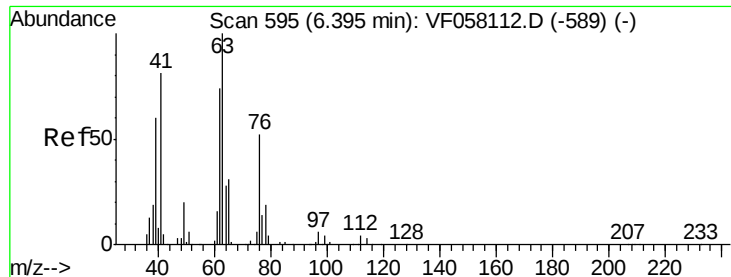
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#44  
Trichloroethene  
Concen: 22.47 ug/l  
RT: 5.66 min Scan# 520  
Delta R.T. -0.01 min  
Lab File: VF059194.D  
Acq: 19 Jun 2018 17:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 96.2  | 0.0   | 206.8 |





#45

1,2-Dichloropropane

Concen: 20.61 ug/l

RT: 6.40 min Scan# 595

Delta R.T. 0.00 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :

MSVOA\_F

ClientSampleId :

VF0619SBS01

Tot Ion: 63 Resp: 54310

Ion Ratio Lower Upper

63 100

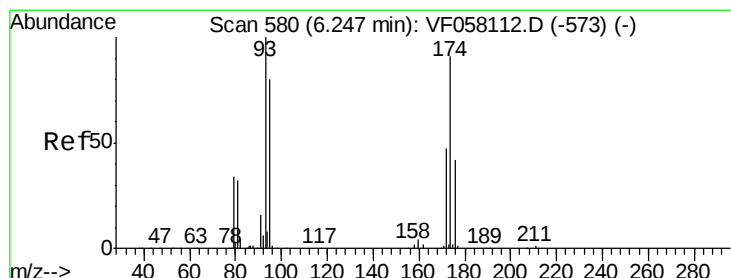
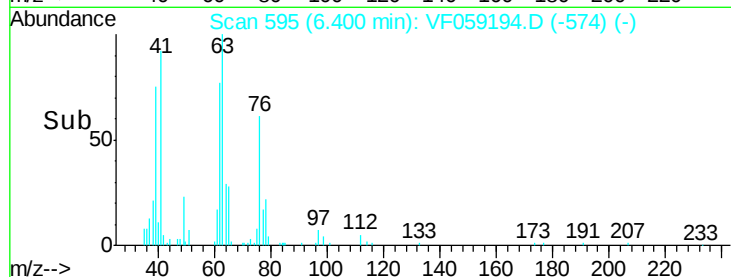
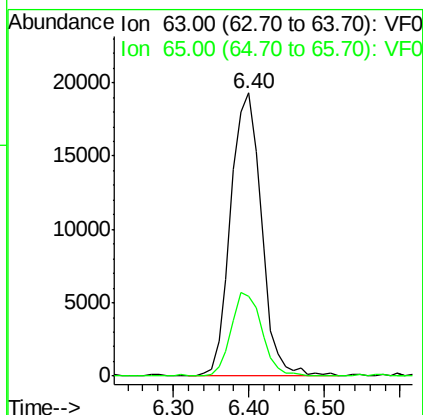
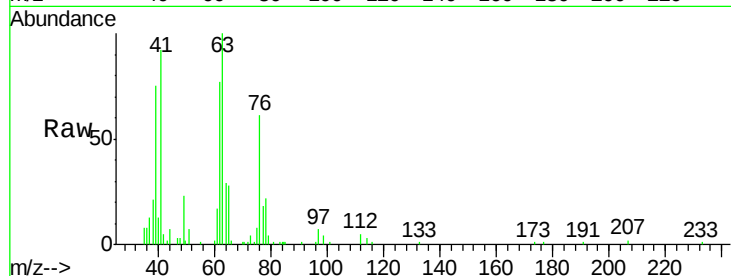
65 28.4 24.6 37.0

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#46

Dibromomethane

Concen: 22.21 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

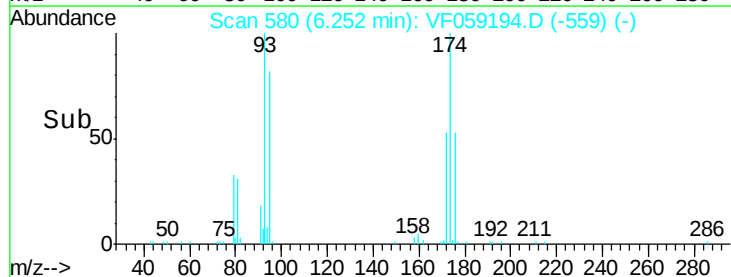
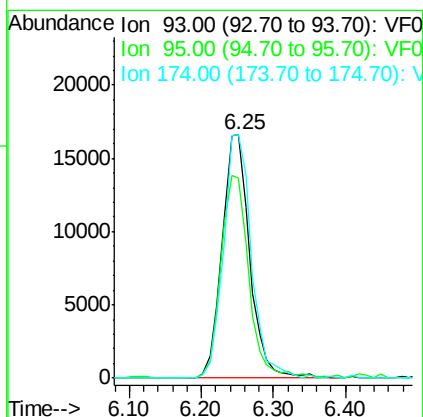
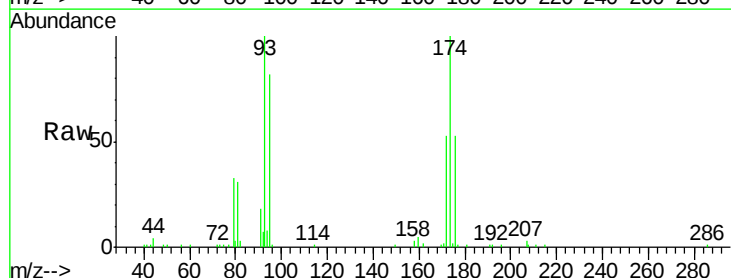
Tgt Ion: 93 Resp: 44036

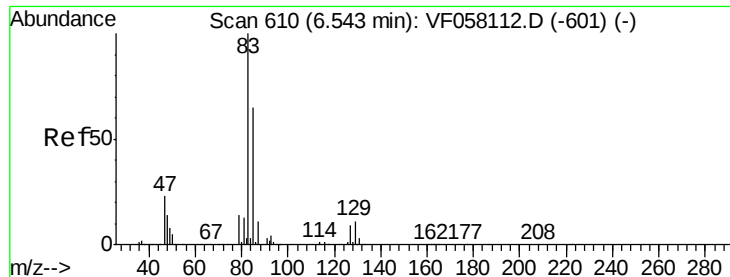
Ion Ratio Lower Upper

93 100

95 82.1 64.2 96.4

174 100.1 72.7 109.1





#47

Bromodichloromethane

Concen: 22.97 ug/l

RT: 6.54 min Scan# 609

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :

MSVOA\_F

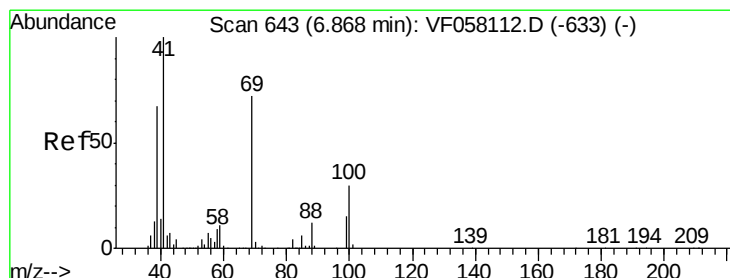
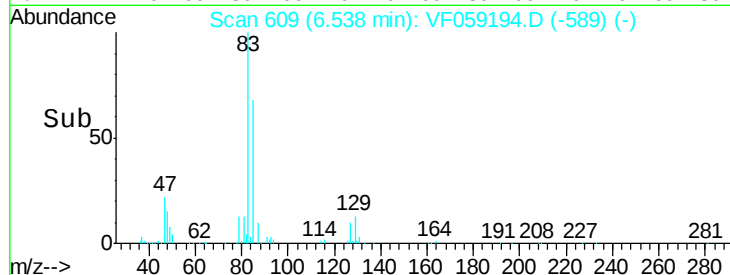
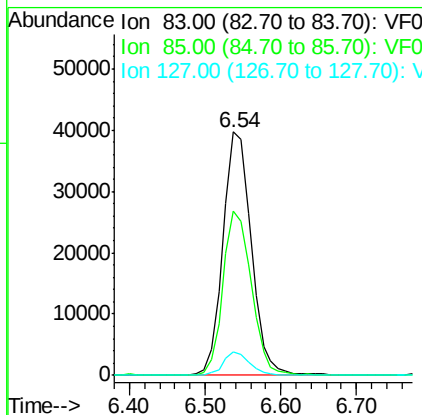
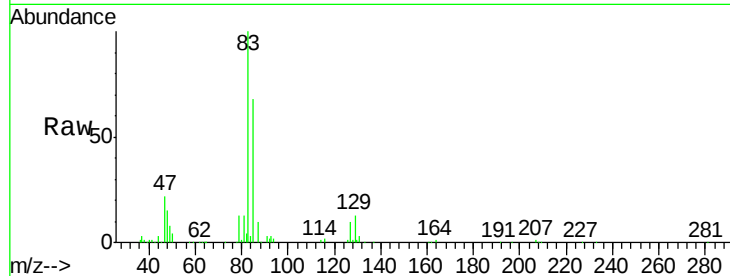
ClientSampleId :

VF0619SBSD01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 103630 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 67.6  | 51.6  | 77.4   |
| 127      | 9.7   | 7.2   | 10.8   |

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#48

Methyl methacrylate

Concen: 22.74 ug/l

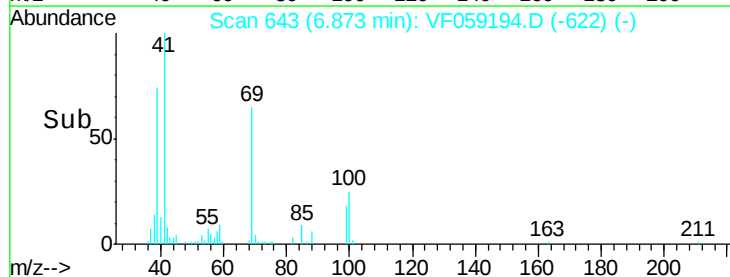
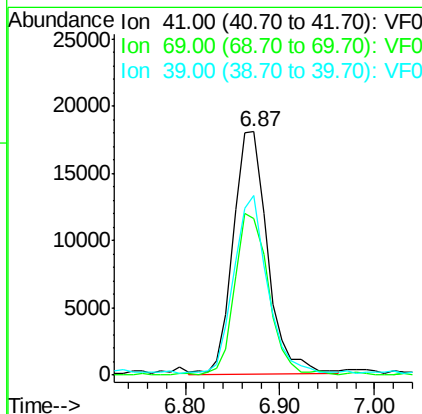
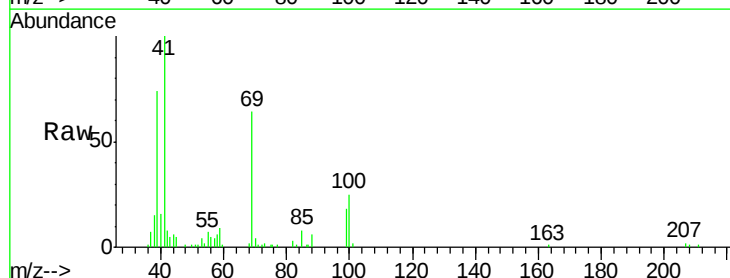
RT: 6.87 min Scan# 643

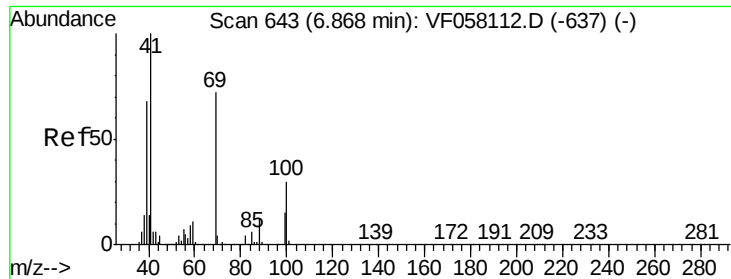
Delta R.T. 0.00 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 45684 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 64.1  | 57.2  | 85.8  |
| 39       | 73.8  | 54.3  | 81.5  |





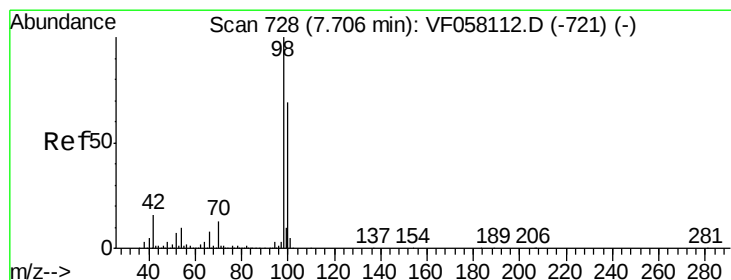
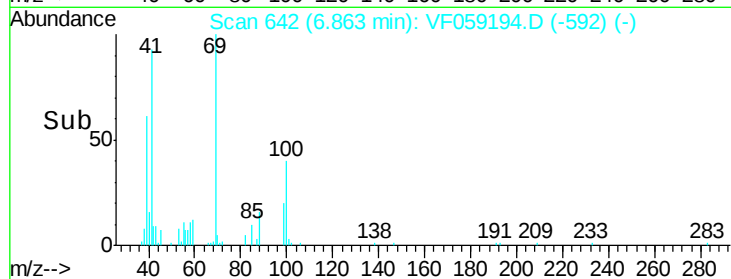
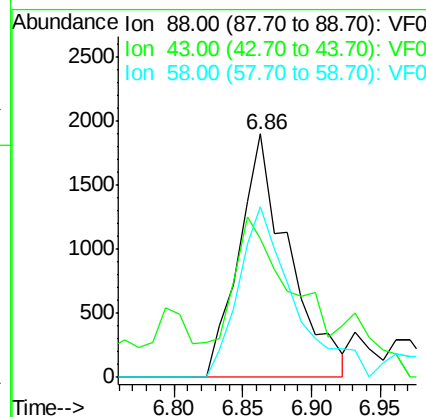
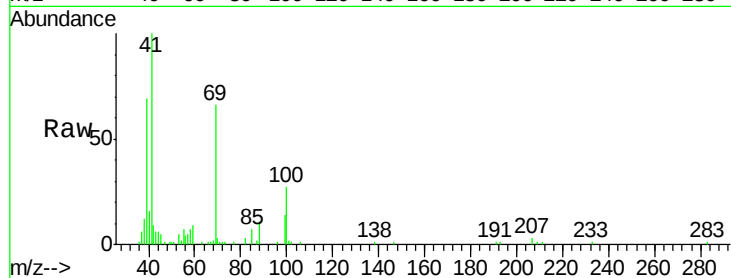
#49  
1,4-Dioxane  
Concen: 312.92 ug/l  
RT: 6.86 min Scan# 642  
Delta R.T. -0.00 min  
Lab File: VF059194.D  
Acq: 19 Jun 2018 17:47

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0619SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 56.8  | 47.8  | 71.8  |
| 58      | 70.2  | 59.4  | 89.0  |

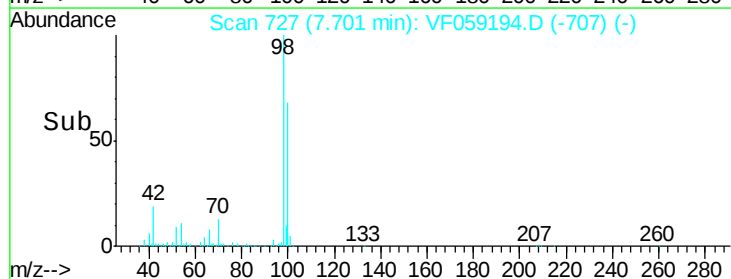
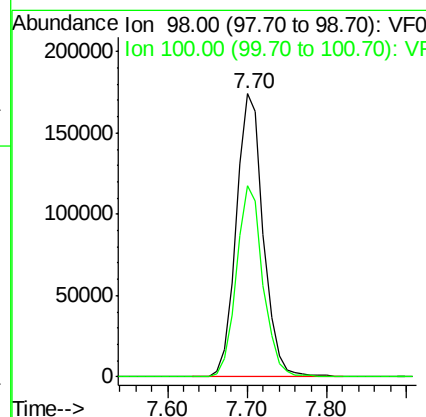
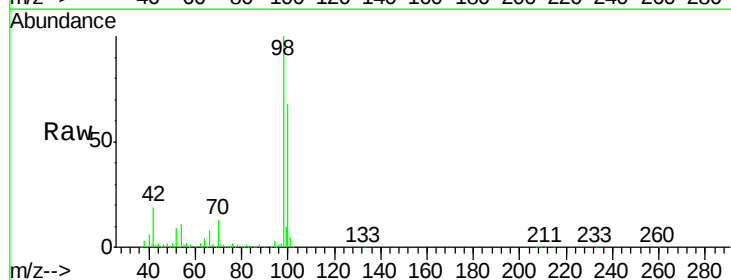
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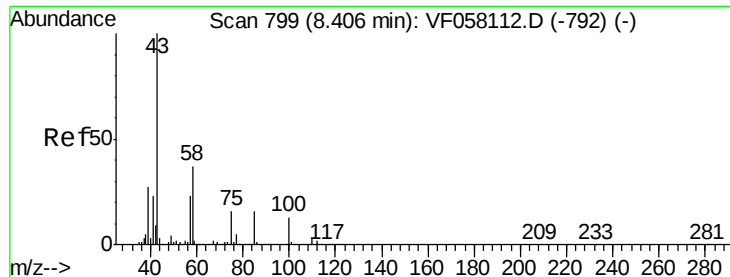
apatel  
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#50  
Toluene-d8  
Concen: 49.23 ug/l  
RT: 7.70 min Scan# 727  
Delta R.T. -0.01 min  
Lab File: VF059194.D  
Acq: 19 Jun 2018 17:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 67.7  | 55.6  | 83.4  |





#51

4-Methyl-2-Pentanone

Concen: 111.43 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :

MSVOA\_F

ClientSampleId :

VF0619SBS01

Tot Ion: 43 Resp: 248892

Ion Ratio Lower Upper

43 100

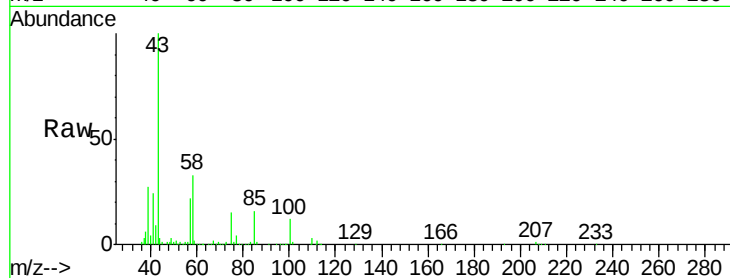
58 33.2 29.4 44.0

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.40

120000

100000

80000

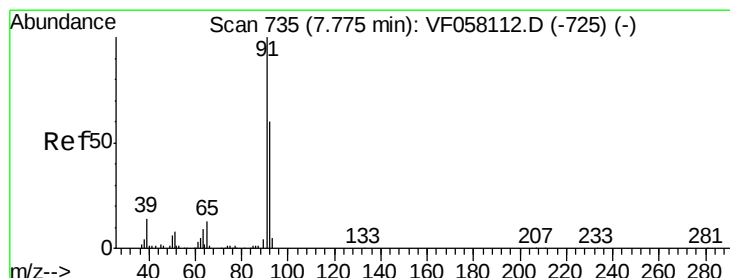
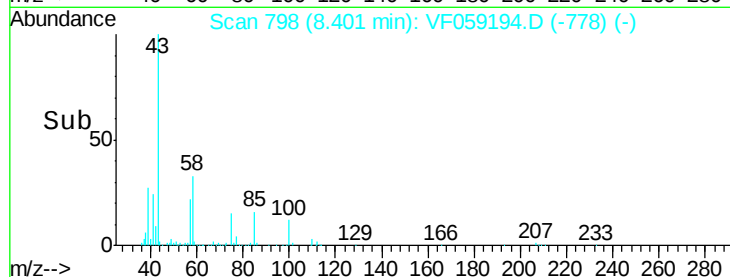
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 19.71 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF059194.D

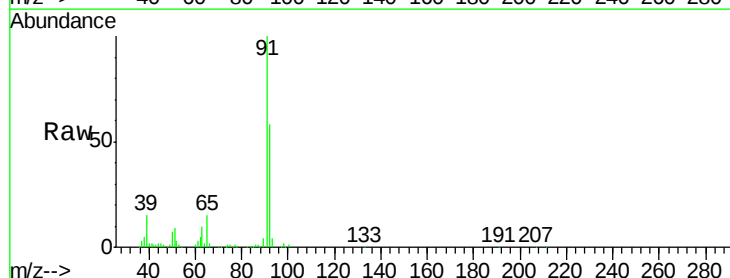
Acq: 19 Jun 2018 17:47

Tgt Ion: 92 Resp: 129749

Ion Ratio Lower Upper

92 100

91 172.1 132.9 199.3



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.77

100000

80000

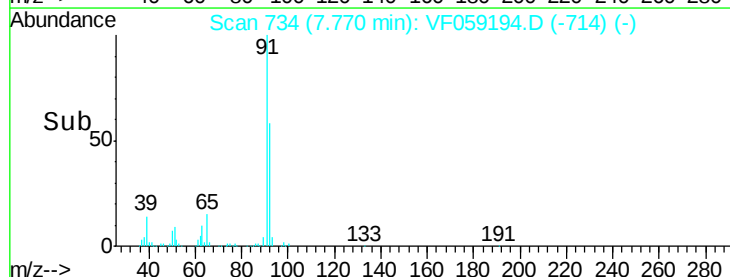
60000

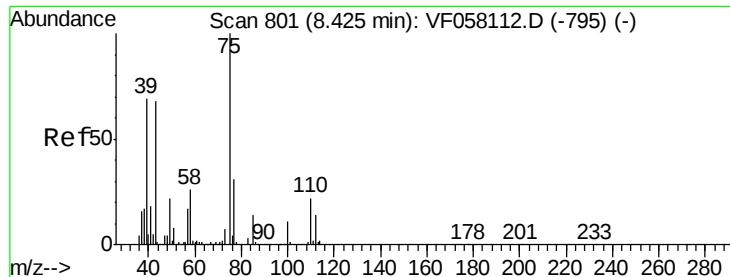
40000

20000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 22.88 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF059194.D

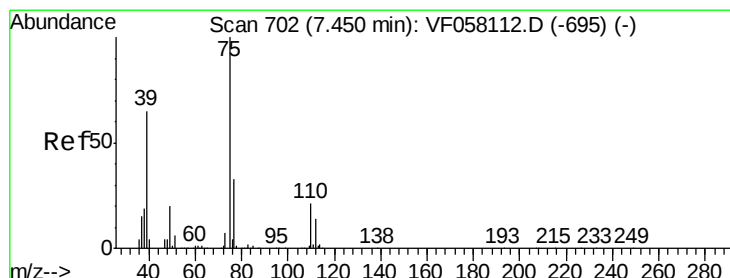
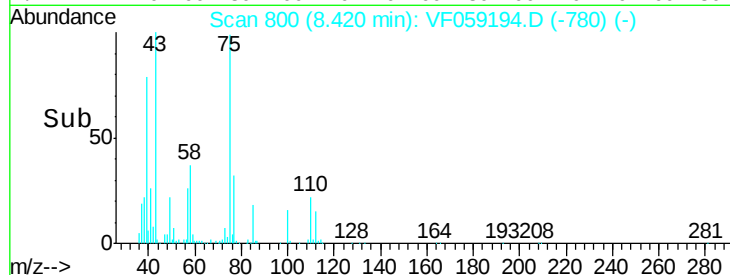
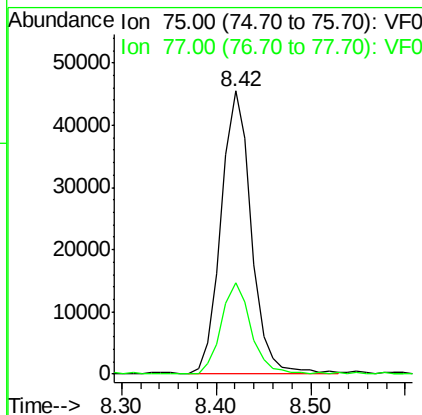
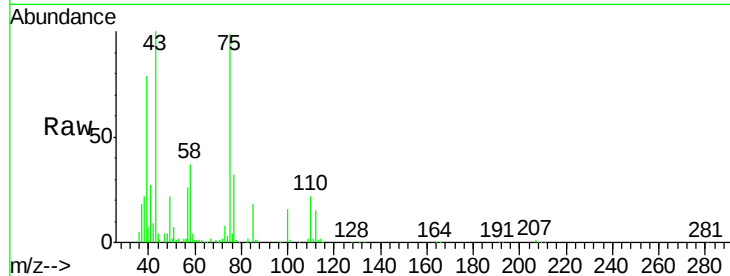
Acq: 19 Jun 2018 17:47

| Tot Ion   | 75    | Resp  | 99980 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 32.4  | 25.1  | 37.7  |

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0619SBS01

Manual Integrations  
APPROVED

apatel  
6/20/2018 10:16:29 AM



#54

cis-1,3-Dichloropropene

Concen: 21.26 ug/l

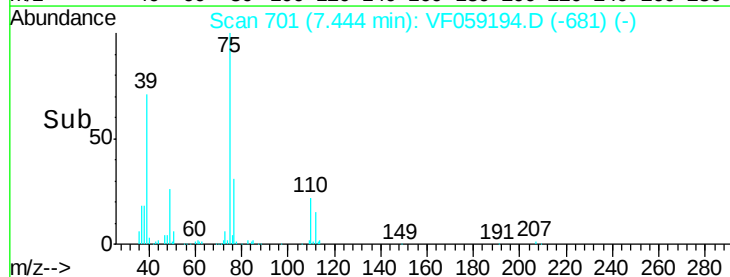
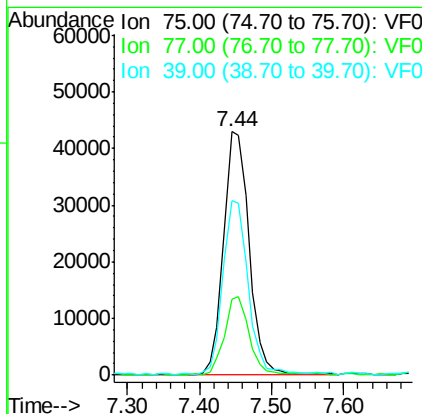
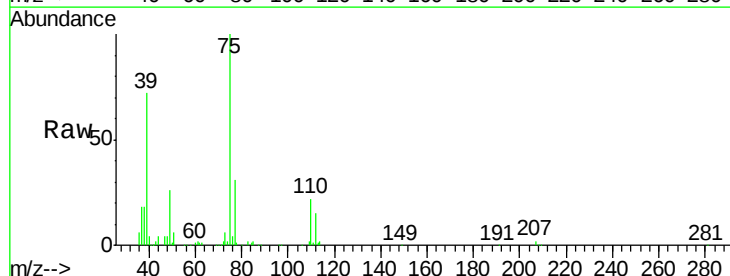
RT: 7.44 min Scan# 701

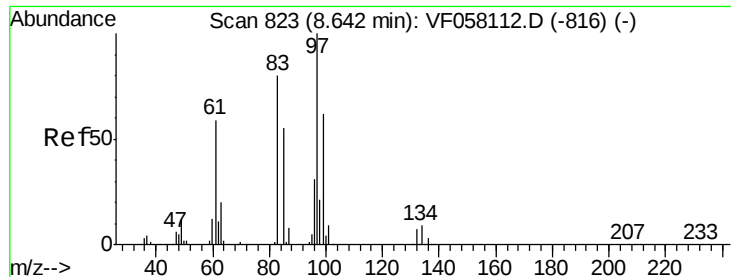
Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

| Tgt Ion   | 75    | Resp  | 106717 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 31.0  | 26.3  | 39.5   |
| 39        | 71.5  | 52.1  | 78.1   |





#55

1,1,2-Trichloroethane

Concen: 21.78 ug/l

RT: 8.63 min Scan# 821

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :

MSVOA\_F

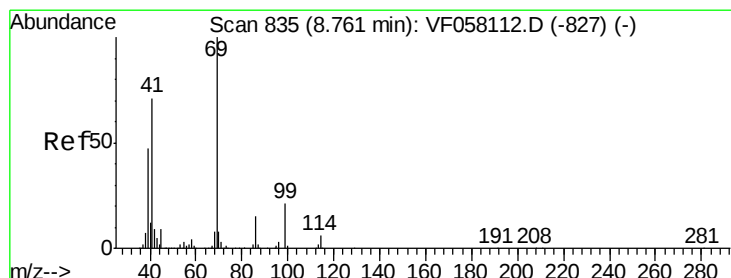
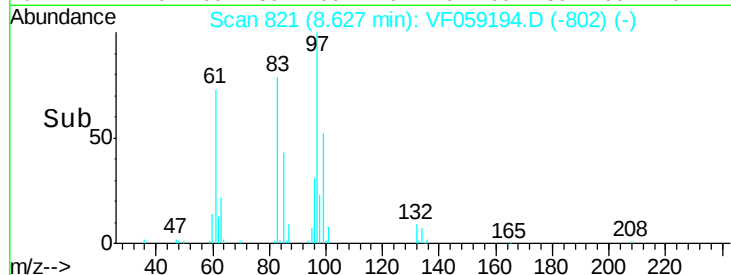
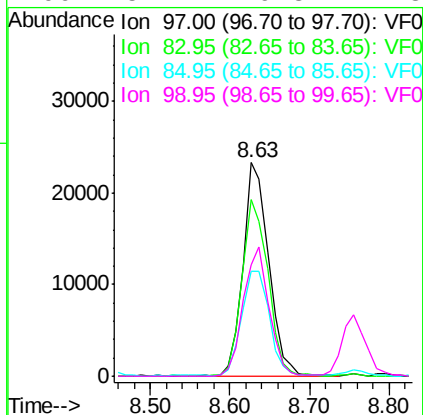
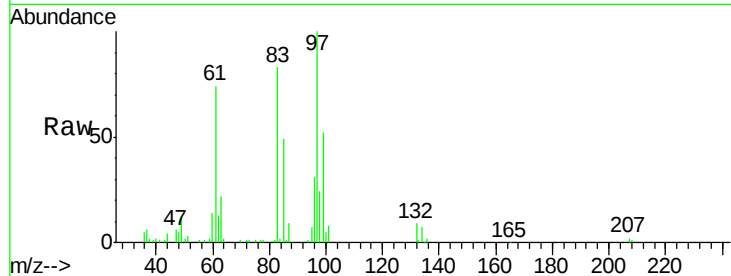
ClientSampleId :

VF0619SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 51959 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 82.8  | 64.3  | 96.5  |
| 85       | 48.9  | 43.8  | 65.8  |
| 99       | 52.1  | 49.8  | 74.8  |

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#56

Ethyl methacrylate

Concen: 20.83 ug/l

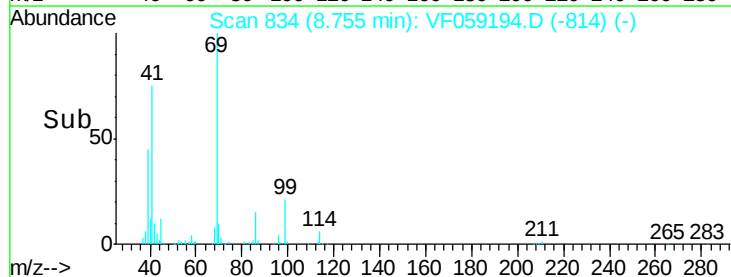
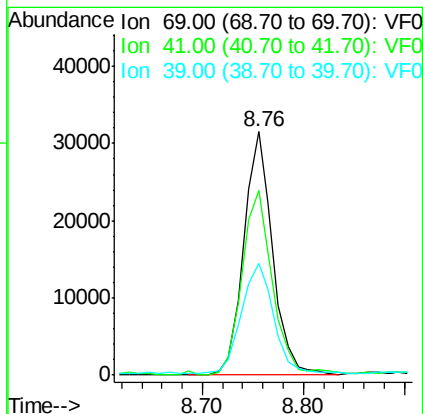
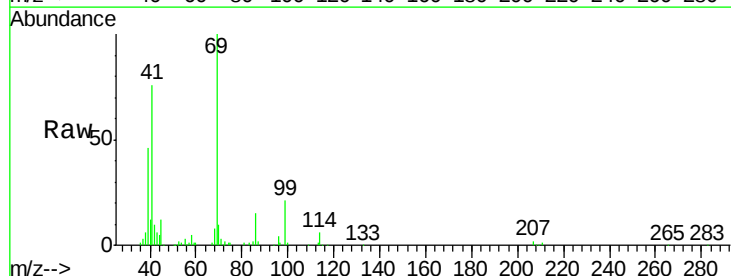
RT: 8.76 min Scan# 834

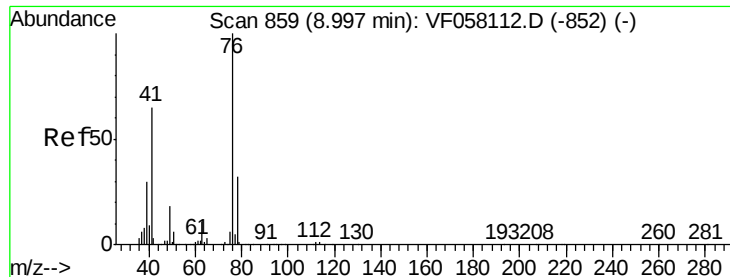
Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 62631 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 76.1  | 56.9  | 85.3  |
| 39       | 46.0  | 38.0  | 57.0  |





#57

1,3-Dichloropropane

Concen: 21.62 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :

MSVOA\_F

ClientSampleId :

VF0619SBS01

Tot Ion: 76 Resp: 88239

Ion Ratio Lower Upper

76 100

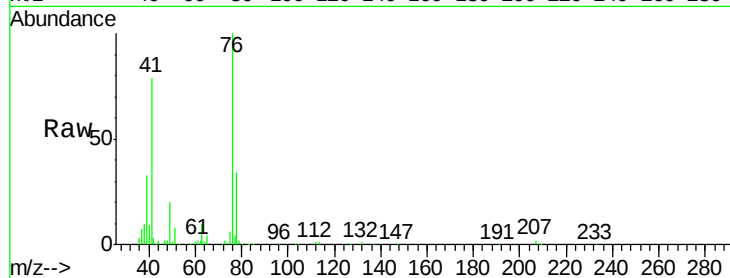
78 34.2 25.8 38.6

Manual Integrations

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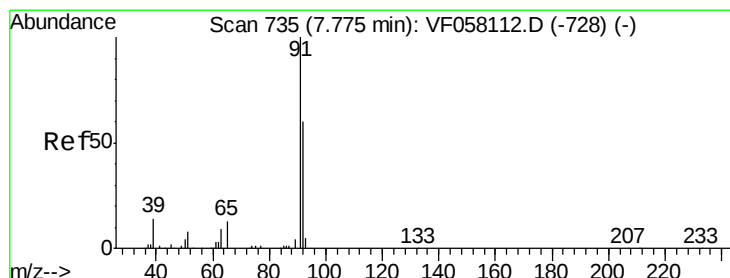
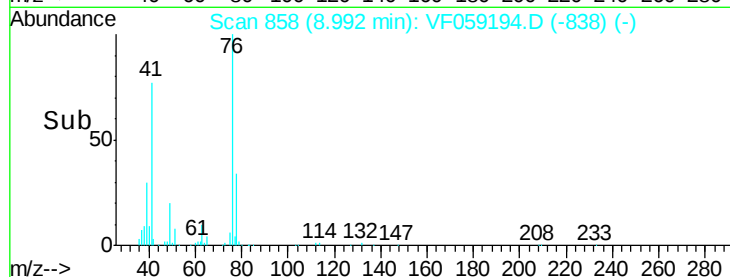
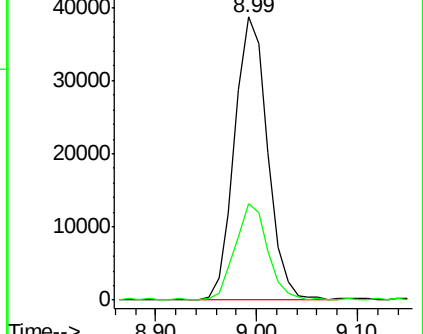
apatel

6/20/2018 10:16:29 AM



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 103.12 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF059194.D

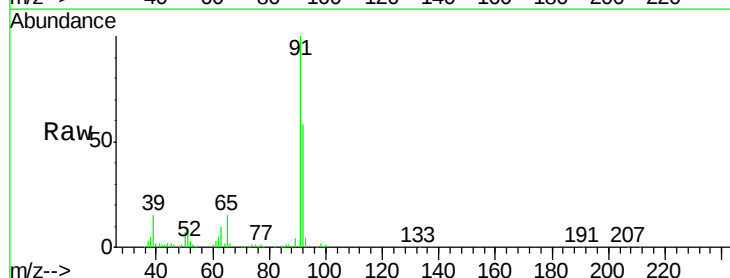
Acq: 19 Jun 2018 17:47

Tgt Ion: 63 Resp: 22176

Ion Ratio Lower Upper

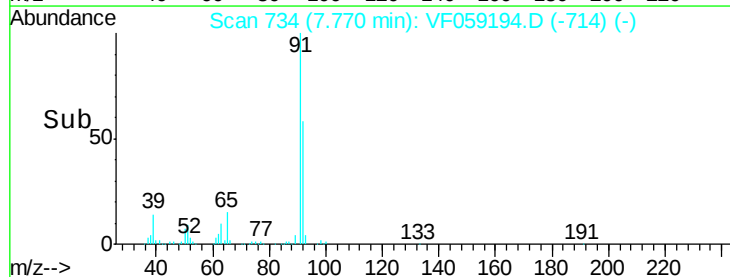
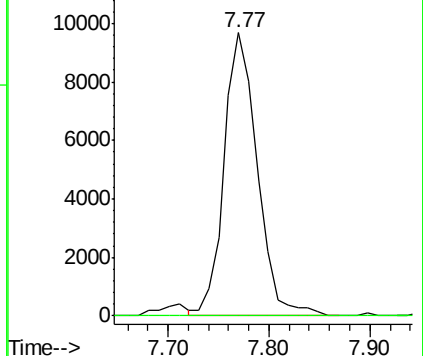
63 100

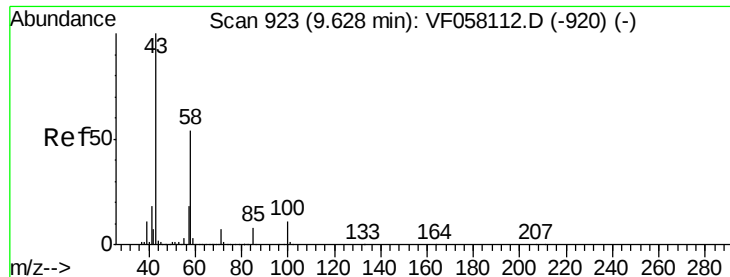
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





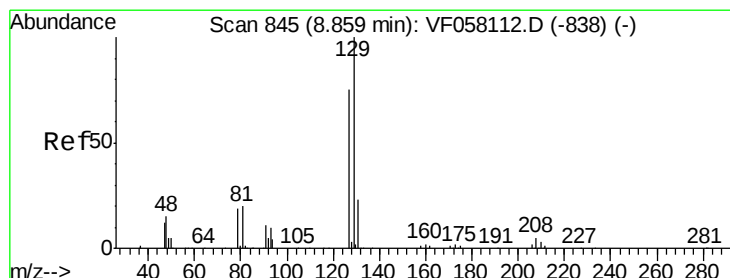
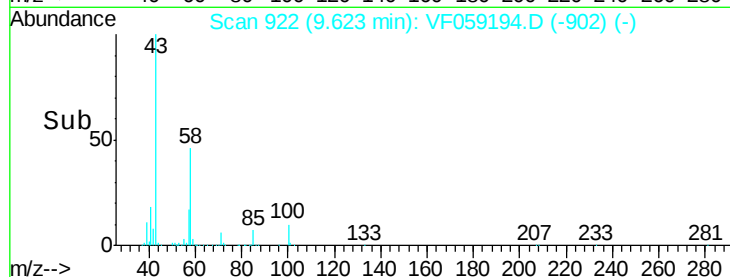
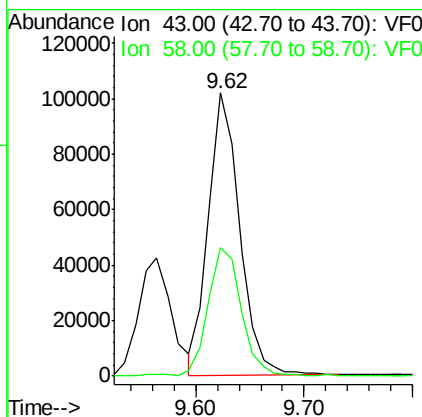
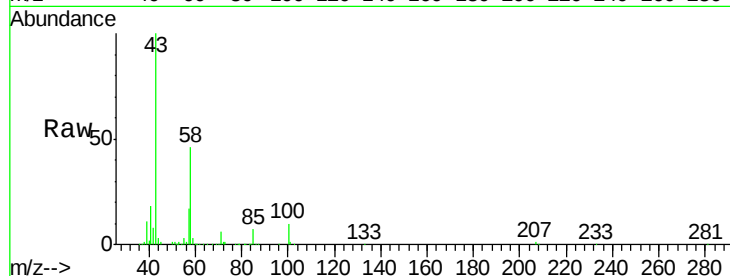
#59  
2-Hexanone  
Concen: 115.99 ug/l  
RT: 9.62 min Scan# 922  
Delta R.T. -0.01 min  
Lab File: VF059194.D  
Acq: 19 Jun 2018 17:47

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0619SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 45.6  | 26.3  | 78.8  |

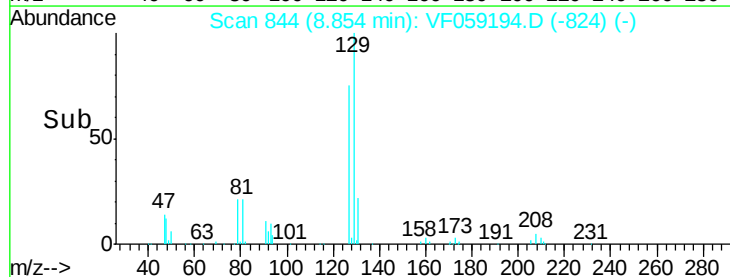
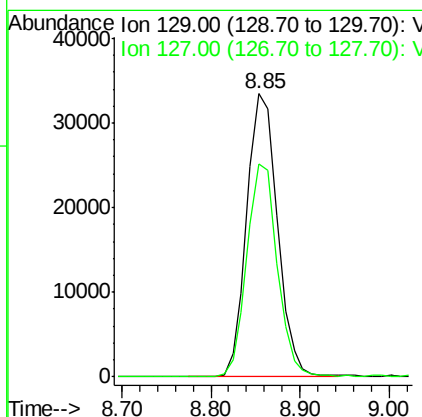
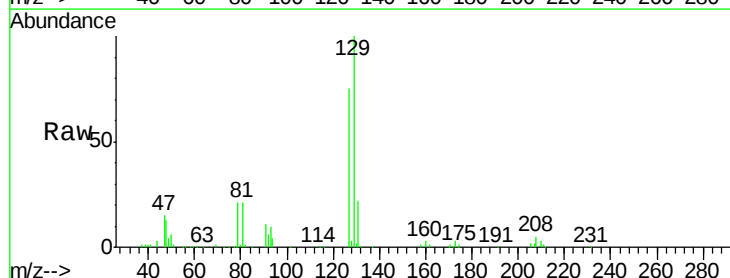
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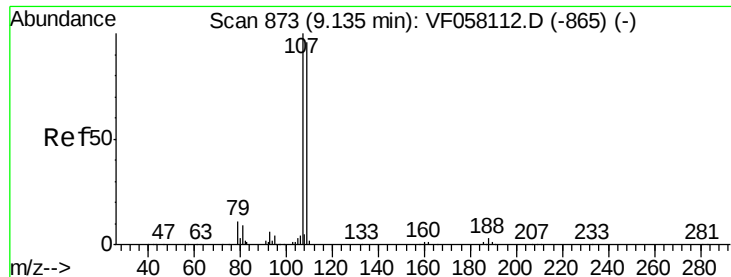
apatel  
6/20/2018 10:16:29 AM



#60  
Dibromochloromethane  
Concen: 23.26 ug/l  
RT: 8.85 min Scan# 844  
Delta R.T. -0.01 min  
Lab File: VF059194.D  
Acq: 19 Jun 2018 17:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 129     | 100   |       |       |
| 127     | 75.1  | 37.6  | 112.9 |





#61

1,2-Dibromoethane

Concen: 22.10 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :

MSVOA\_F

ClientSampleId :

VF0619SBS01

Tot Ion: 107 Resp: 61258

Ion Ratio Lower Upper

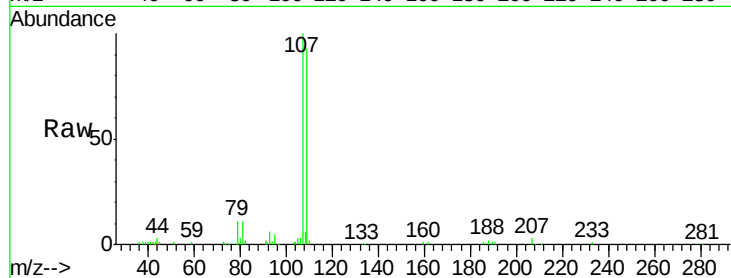
107 100

109 93.2 76.6 115.0

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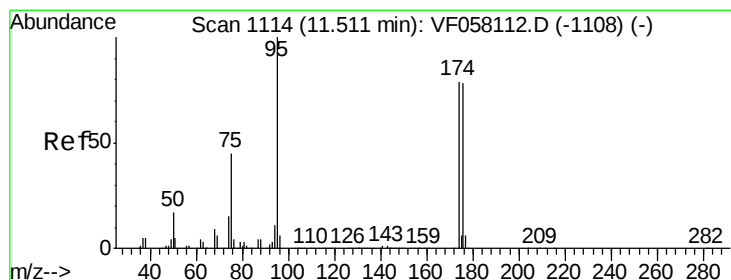
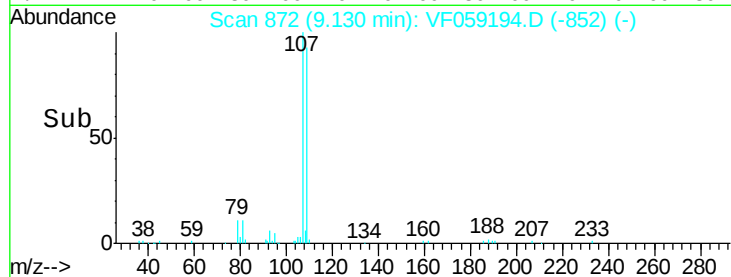
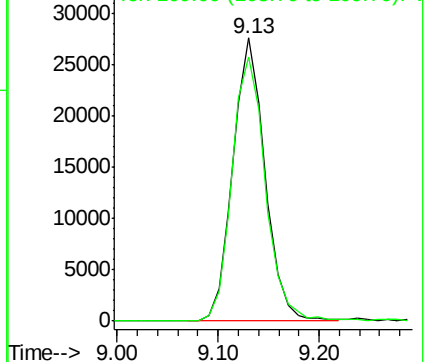
apatel

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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: 49.84 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

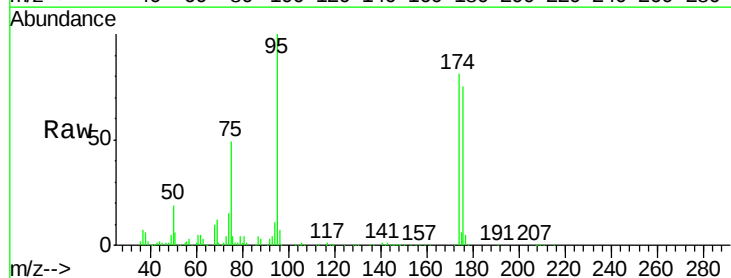
Tgt Ion: 95 Resp: 214111

Ion Ratio Lower Upper

95 100

174 81.0 0.0 157.8

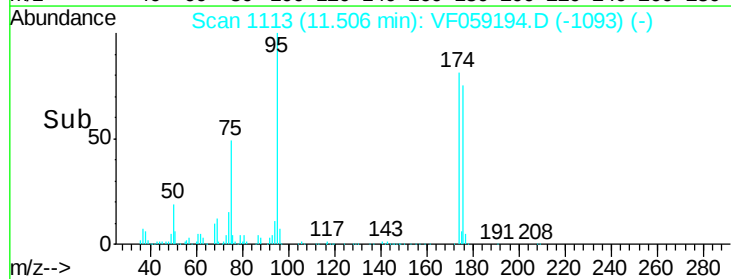
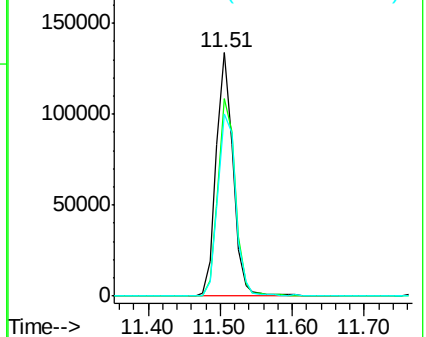
176 74.7 0.0 155.8

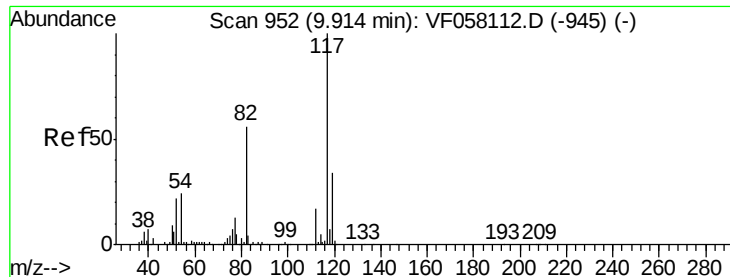


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





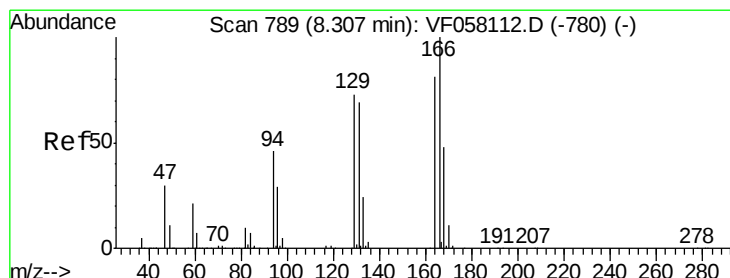
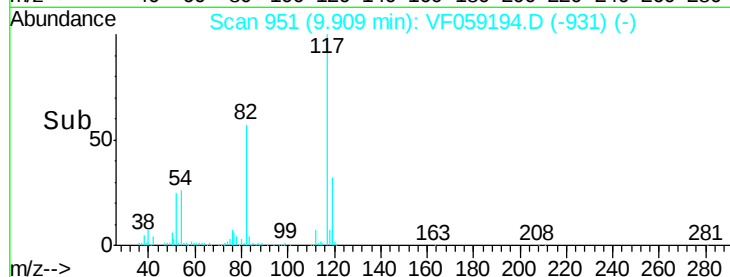
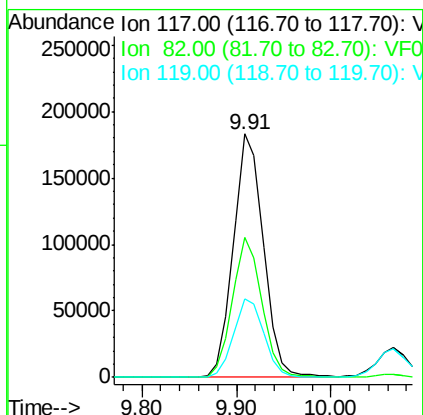
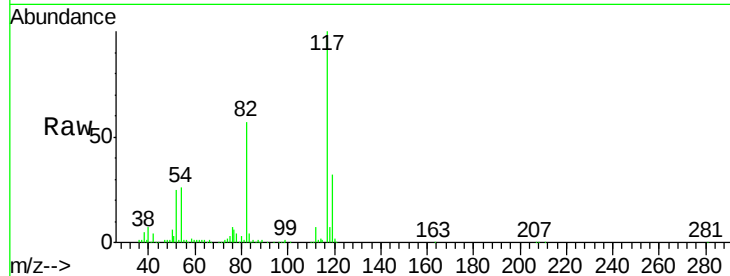
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 9.91 min Scan# 951  
Delta R.T. -0.01 min  
Lab File: VF059194.D  
Acq: 19 Jun 2018 17:47

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0619SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 117   | Resp: | 403539 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 57.3  | 45.2  | 67.8   |
| 119       | 32.5  | 27.5  | 41.3   |

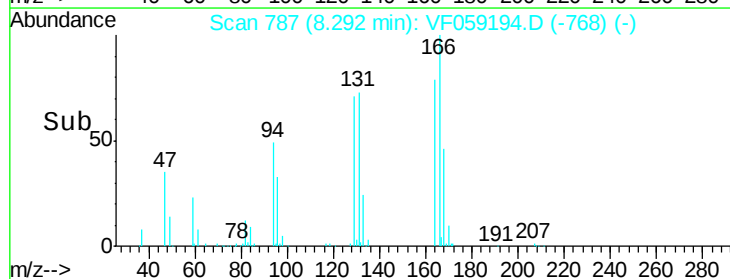
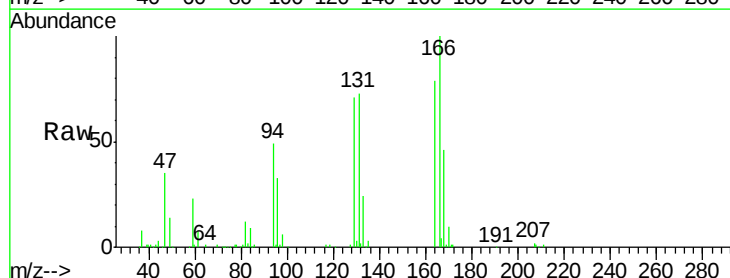
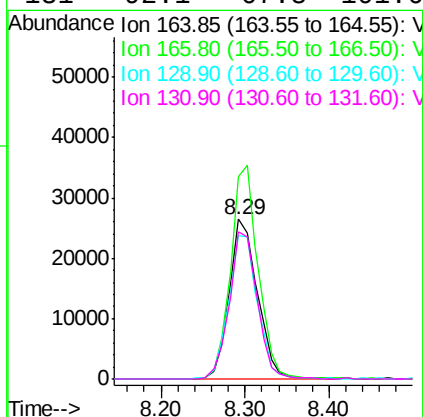
Manual Integrations  
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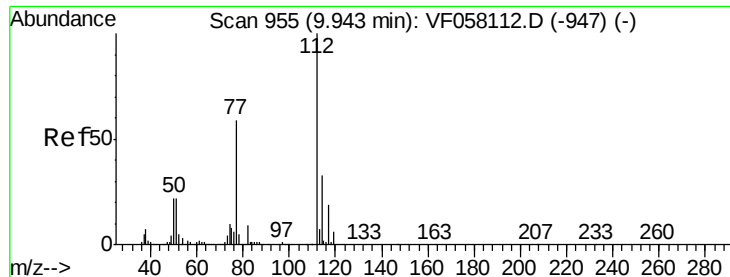
apatel  
6/20/2018 10:16:29 AM



#64  
Tetrachloroethene  
Concen: 20.92 ug/l  
RT: 8.29 min Scan# 787  
Delta R.T. -0.01 min  
Lab File: VF059194.D  
Acq: 19 Jun 2018 17:47

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 164   | Resp: | 61928 |
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 166       | 126.6 | 98.2  | 147.4 |
| 129       | 89.9  | 71.6  | 107.4 |
| 131       | 92.1  | 67.8  | 101.6 |





#65

Chlorobenzene

Concen: 21.90 ug/l

RT: 9.94 min Scan# 954

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :

MSVOA\_F

ClientSampleId :

VF0619SBSD01

Tot Ion:112 Resp: 174992

Ion Ratio Lower Upper

112 100

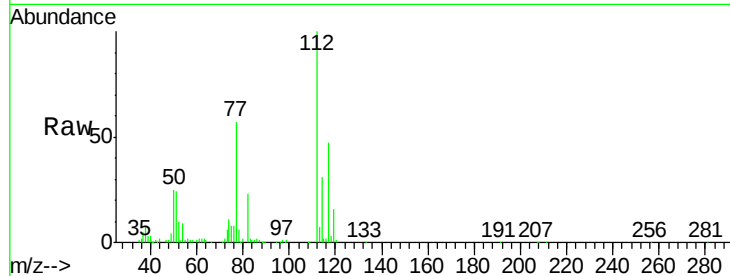
114 31.2 26.2 39.4

Manual Integrations

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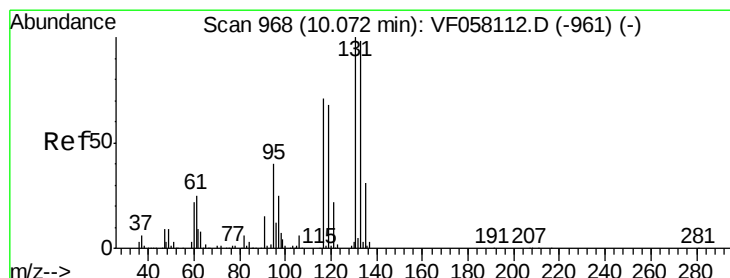
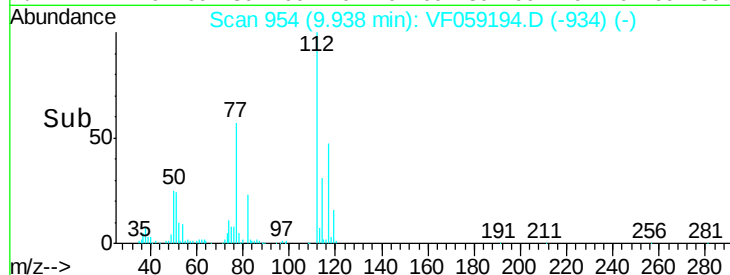
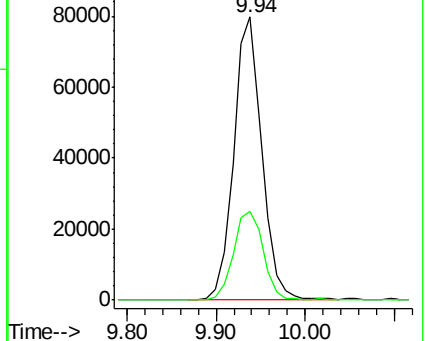
apatel

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 23.13 ug/l

RT: 10.07 min Scan# 967

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

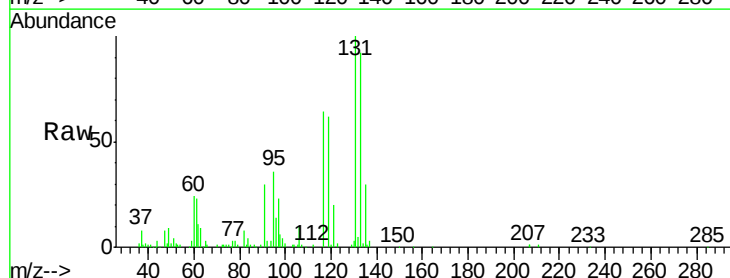
Tgt Ion:131 Resp: 73538

Ion Ratio Lower Upper

131 100

133 91.7 49.1 147.4

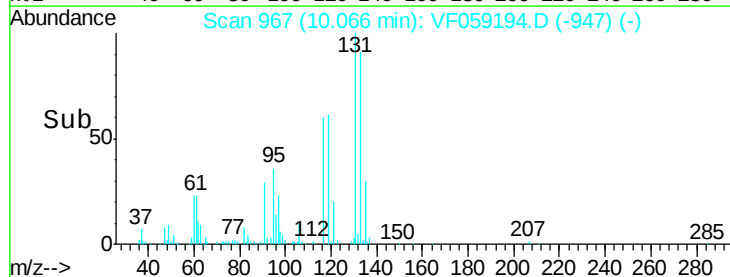
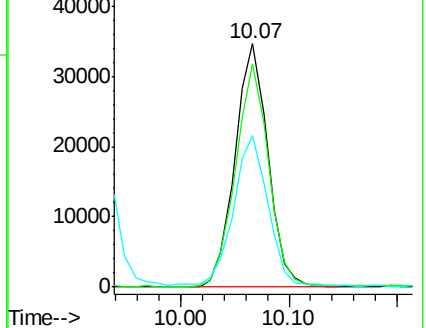
119 62.5 34.3 102.8

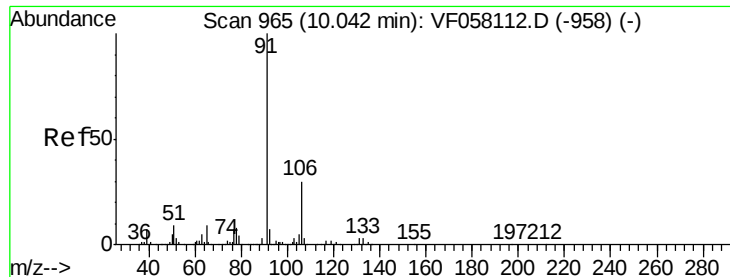


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





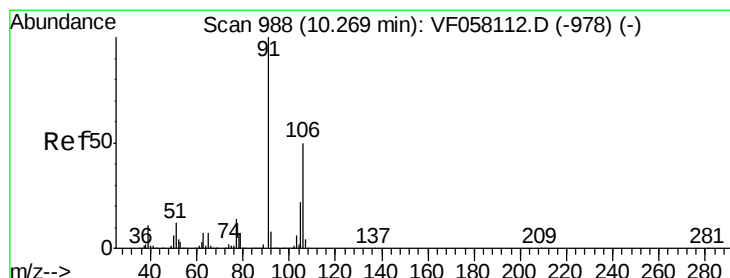
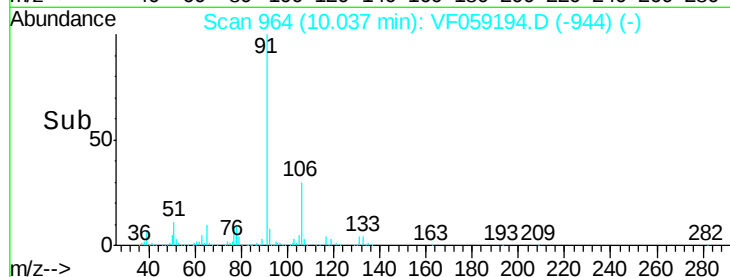
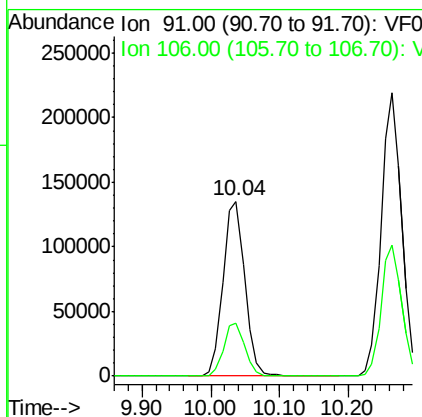
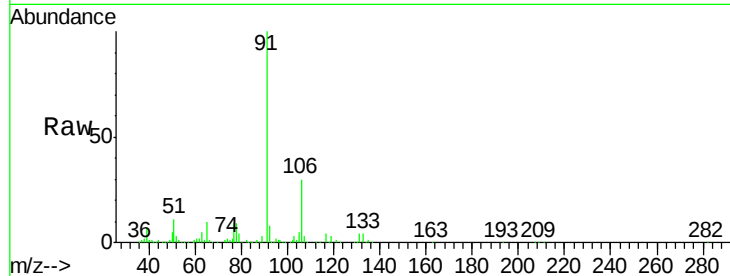
#67  
Ethyl Benzene  
Concen: 21.46 ug/l  
RT: 10.04 min Scan# 964  
Delta R.T. -0.01 min  
Lab File: VF059194.D  
Acq: 19 Jun 2018 17:47

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0619SBS01

Tot Ion: 91 Resp: 297944  
Ion Ratio Lower Upper  
91 100  
106 30.0 24.2 36.4

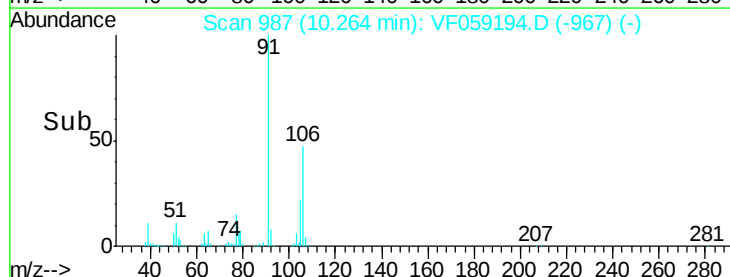
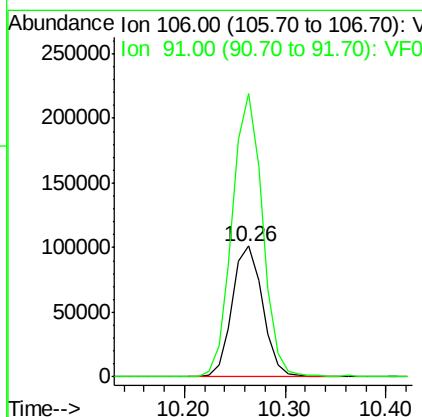
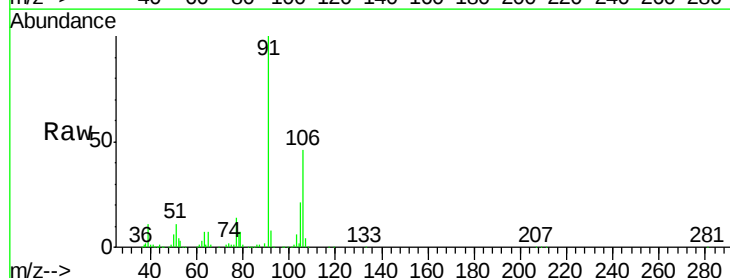
Manual Integrations  
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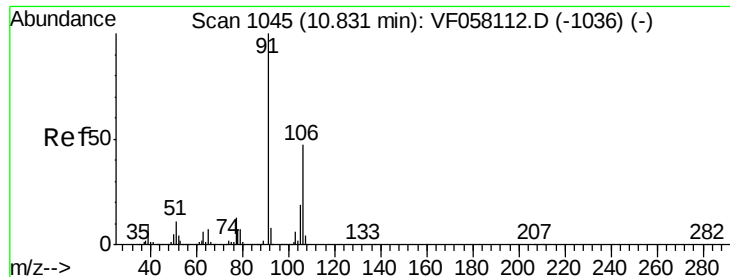
apatel  
6/20/2018 10:16:29 AM



#68  
m/p-Xylenes  
Concen: 41.28 ug/l  
RT: 10.26 min Scan# 987  
Delta R.T. -0.01 min  
Lab File: VF059194.D  
Acq: 19 Jun 2018 17:47

Tgt Ion: 106 Resp: 214578  
Ion Ratio Lower Upper  
106 100  
91 216.5 160.7 241.1





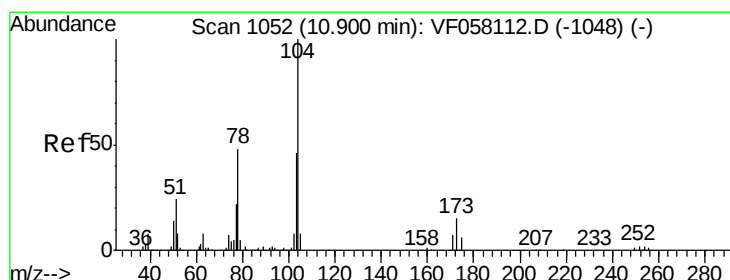
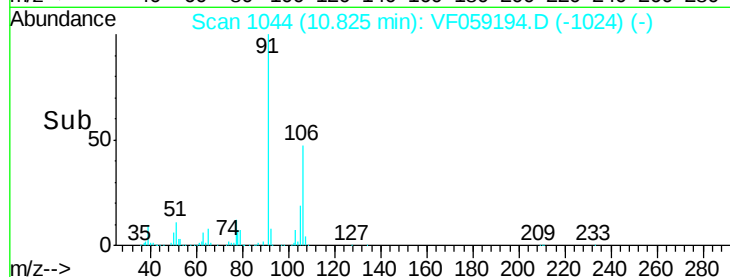
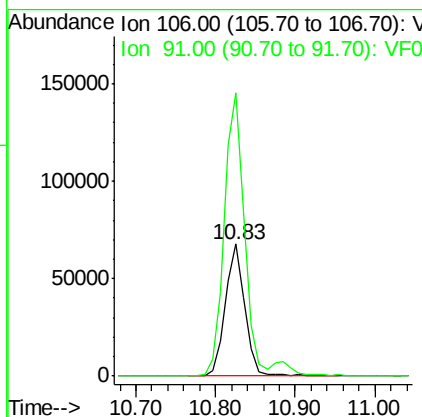
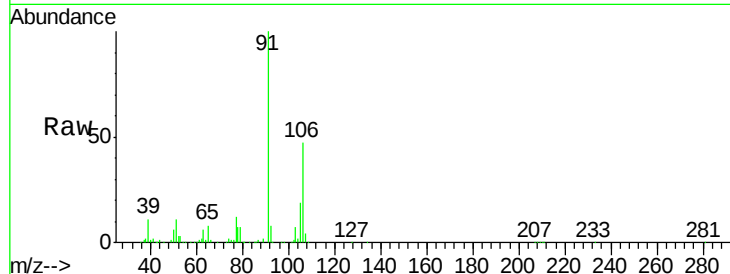
#69  
o-Xylene  
Concen: 20.90 ug/l  
RT: 10.83 min Scan# 1044  
Delta R.T. -0.01 min  
Lab File: VF059194.D  
Acq: 19 Jun 2018 17:47

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0619SBSD01

Tot Ion:106 Resp: 117450  
Ion Ratio Lower Upper  
106 100  
91 214.9 107.0 321.0

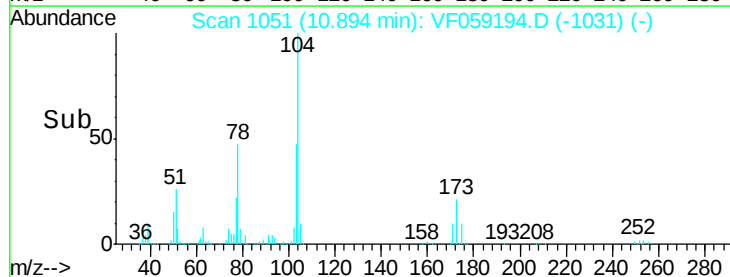
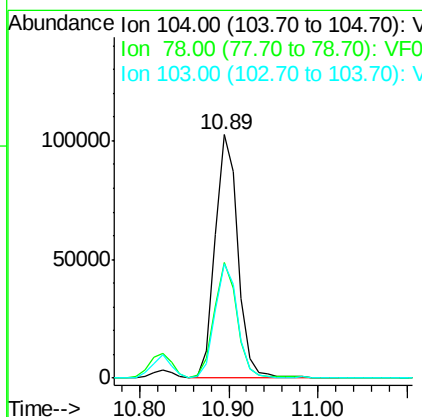
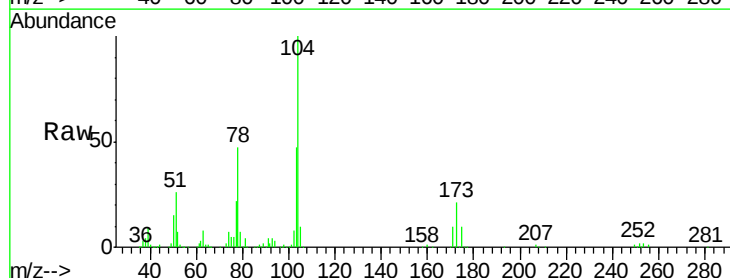
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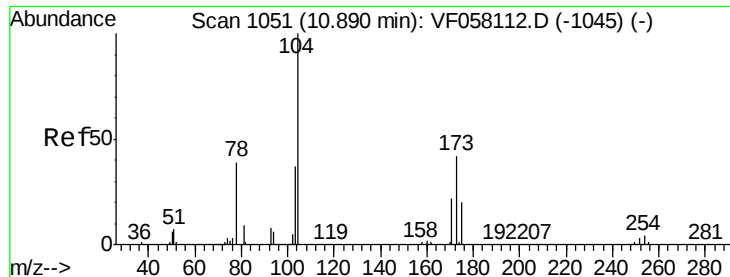
apatel  
6/20/2018 10:16:29 AM



#70  
Styrene  
Concen: 21.56 ug/l  
RT: 10.89 min Scan# 1051  
Delta R.T. -0.01 min  
Lab File: VF059194.D  
Acq: 19 Jun 2018 17:47

Tgt Ion:104 Resp: 183266  
Ion Ratio Lower Upper  
104 100  
78 47.5 38.4 57.6  
103 47.0 37.0 55.6





#71

Bromoform

Concen: 24.38 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :

MSVOA\_F

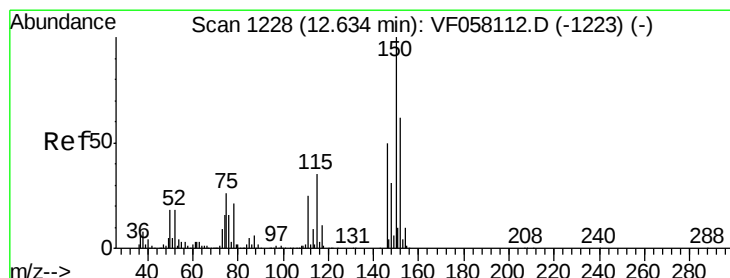
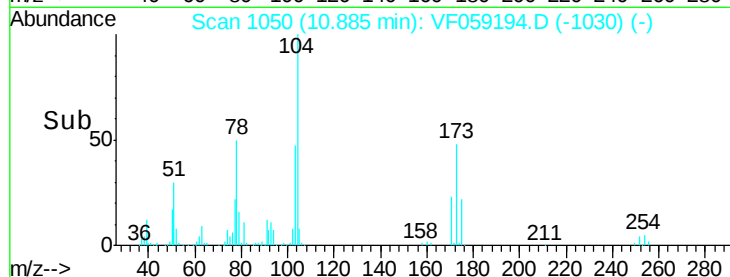
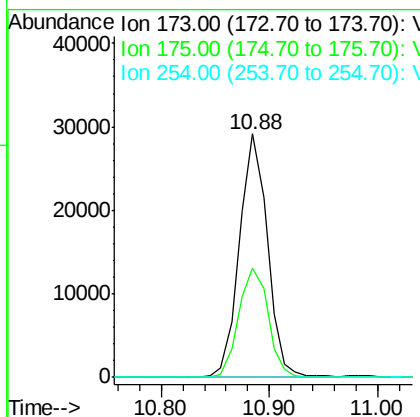
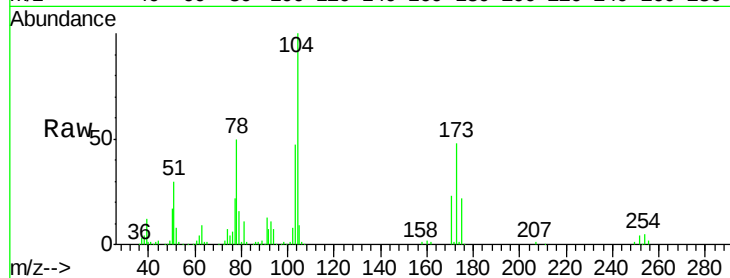
ClientSampleId :

VF0619SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 173   | Resp: | 52633 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 44.8  | 24.6  | 74.0  |
| 254       | 0.0   | 7.8   | 11.8# |

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

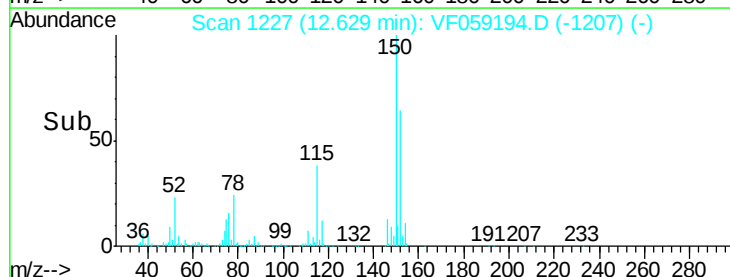
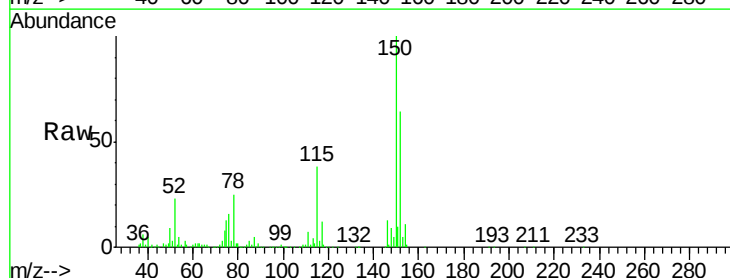
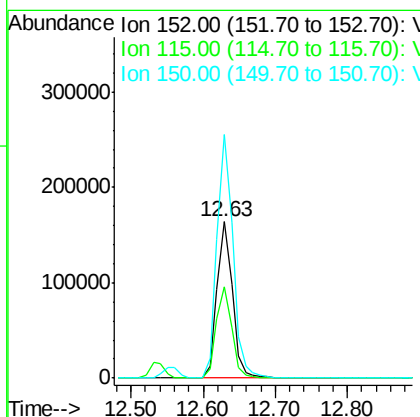
RT: 12.63 min Scan# 1227

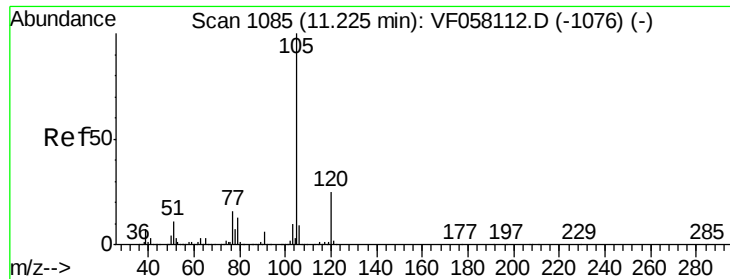
Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 240459 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 58.8  | 28.5  | 85.5   |
| 150       | 155.7 | 0.0   | 323.8  |





#73

Isopropylbenzene

Concen: 21.44 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :

MSVOA\_F

ClientSampleId :

VF0619SBS01

Tot Ion: 105 Resp: 357002

Ion Ratio Lower Upper

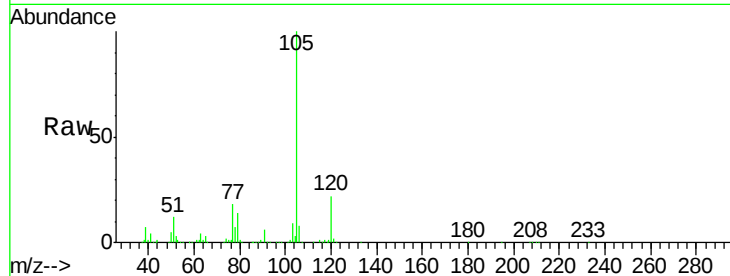
105 100

120 22.4 12.7 38.1

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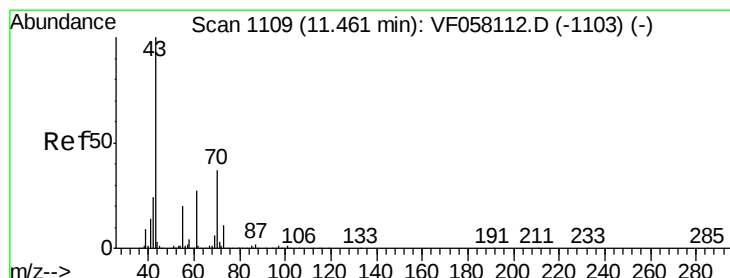
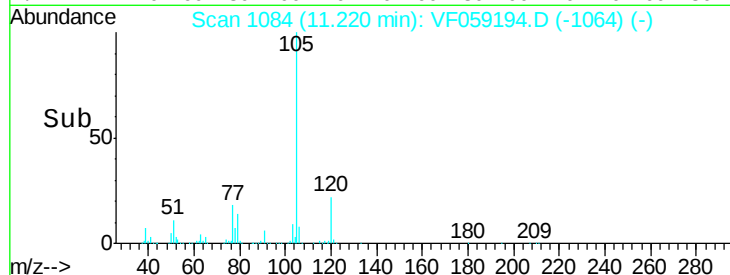
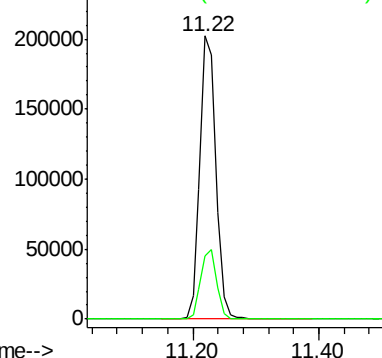
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.79 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Tgt Ion: 43 Resp: 123648

Ion Ratio Lower Upper

43 100

70 32.4 29.2 43.8

55 21.1 15.8 23.6

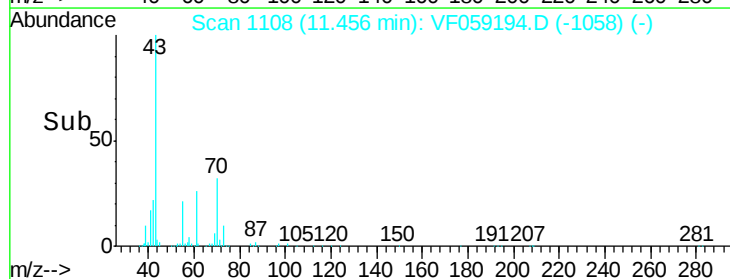
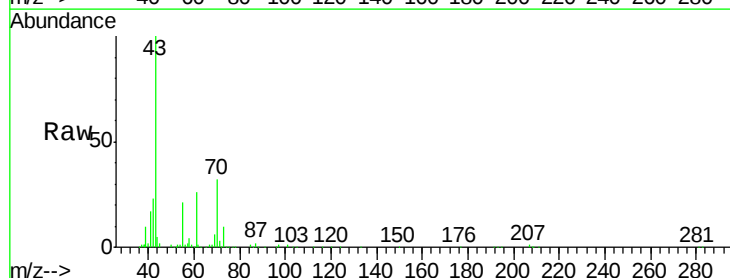
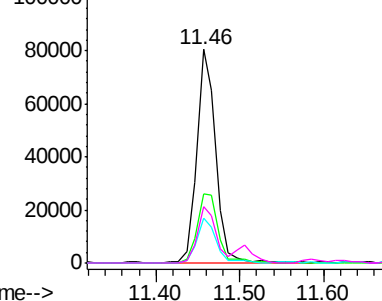
61 26.4 21.3 31.9

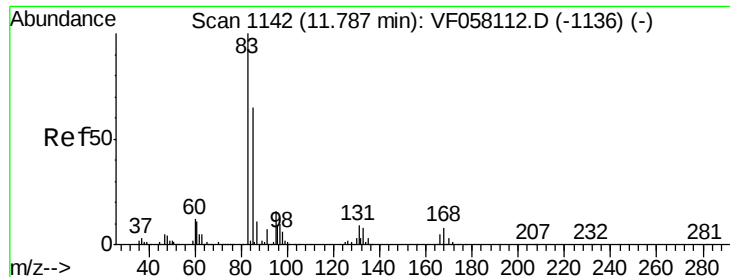
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.02 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :

MSVOA\_F

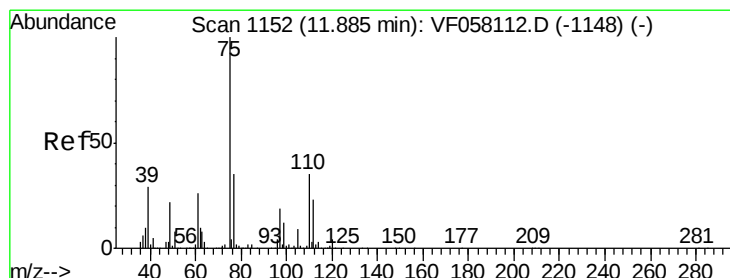
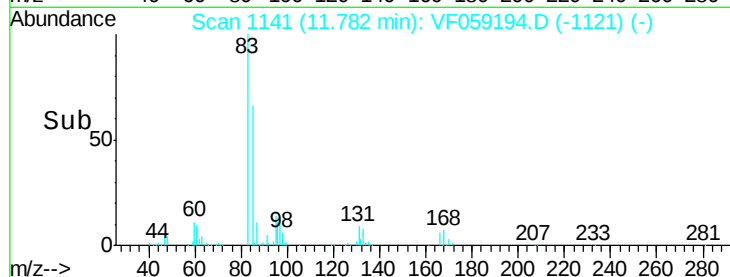
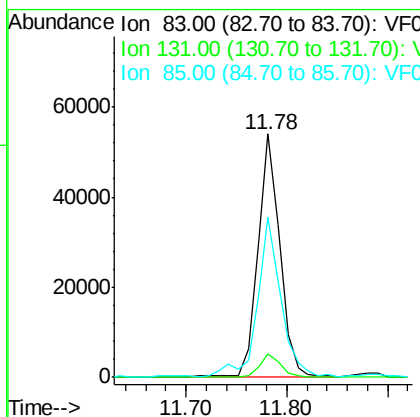
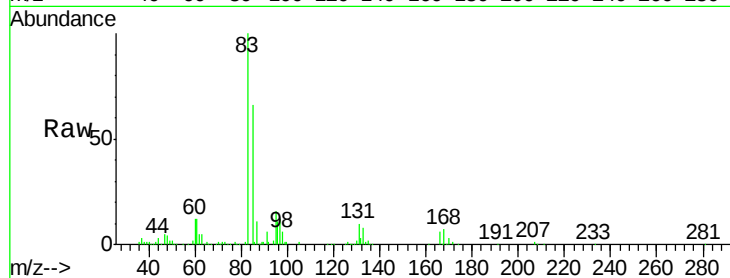
ClientSampleId :

VF0619SBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 82951 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 9.8   | 4.5   | 13.7  |
| 85        | 65.9  | 32.8  | 98.3  |

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#76

1,2,3-Trichloropropane

Concen: 20.95 ug/l

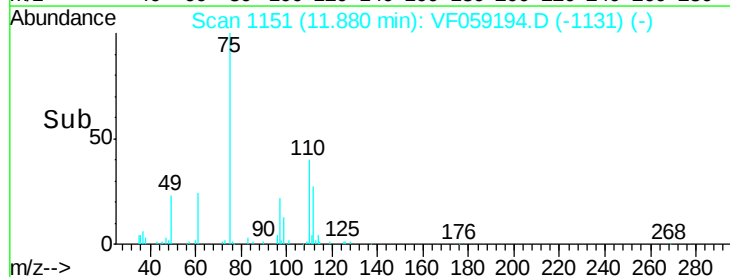
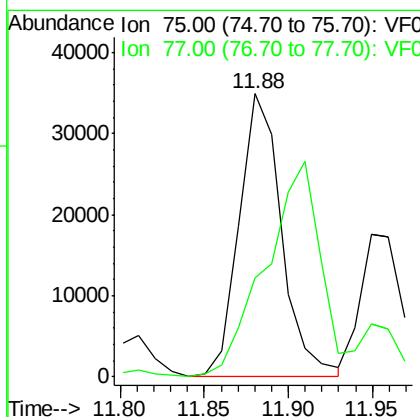
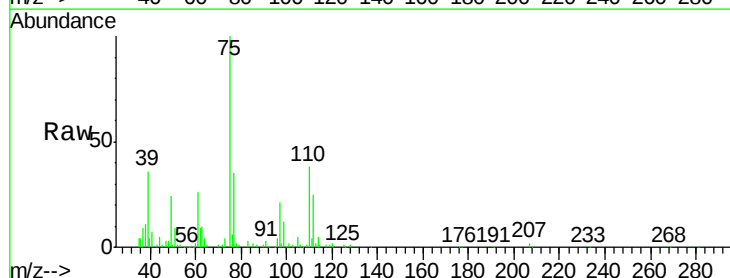
RT: 11.88 min Scan# 1151

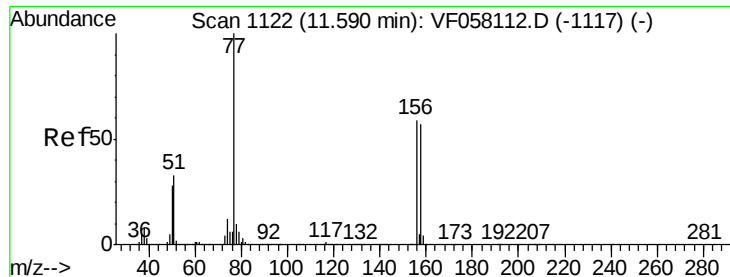
Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 61074 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 35.0  | 17.5  | 52.5  |





#77

Bromobenzene

Concen: 20.82 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :

MSVOA\_F

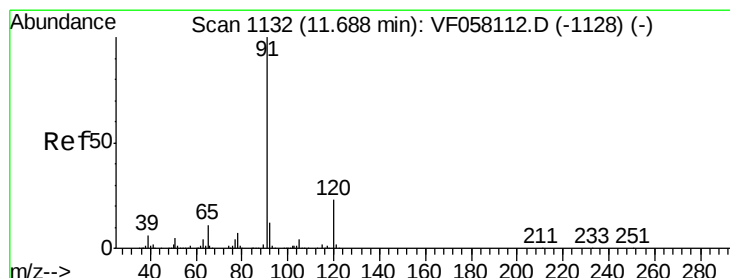
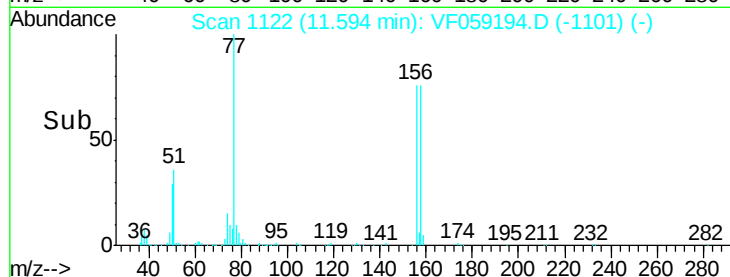
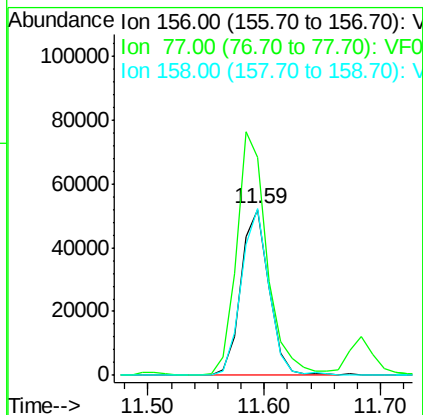
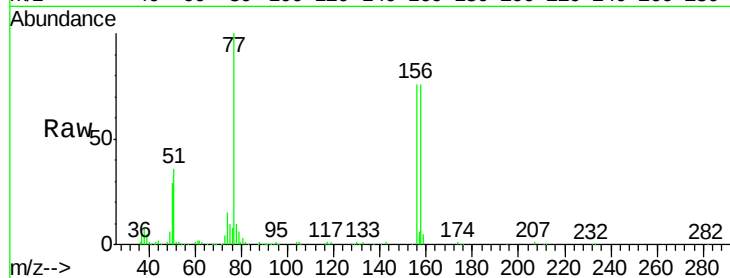
ClientSampleId :

VF0619SBS01

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 156     | 100   |       |       |       |
| 77      | 132.1 | 84.8  | 254.4 |       |
| 158     | 100.6 | 47.9  | 143.7 |       |

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#78

n-propylbenzene

Concen: 20.59 ug/l

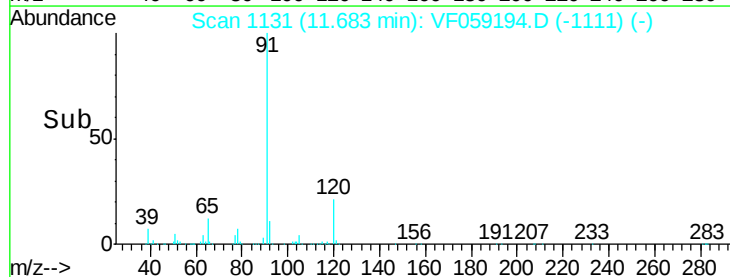
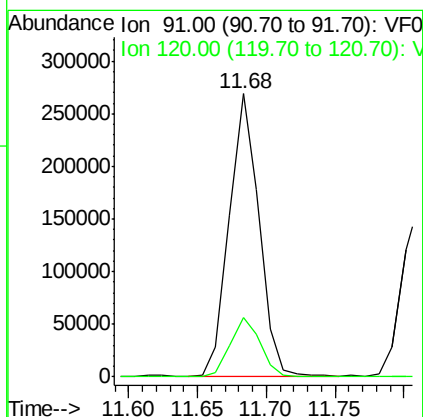
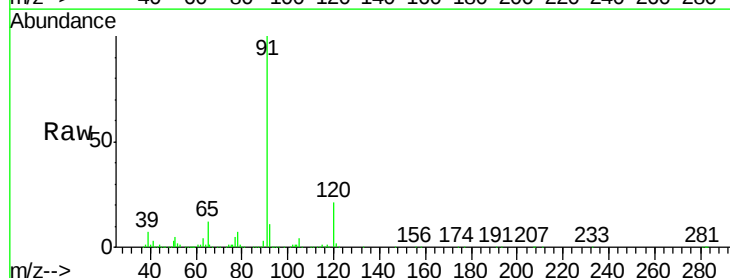
RT: 11.68 min Scan# 1131

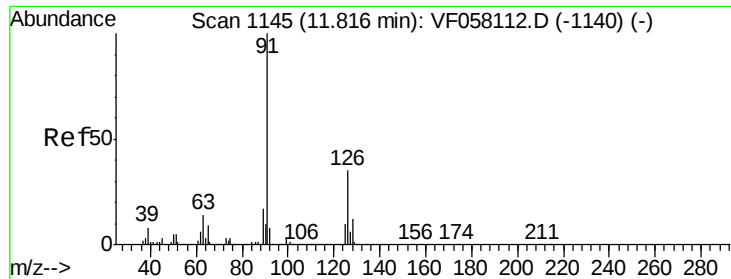
Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 91      | 100  |       |       |       |
| 120     | 21.0 | 11.5  | 34.5  |       |





#79

2-Chlorotoluene

Concen: 21.22 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :

MSVOA\_F

ClientSampleId :

VF0619SBS01

Tot Ion: 91 Resp: 247023

Ion Ratio Lower Upper

91 100

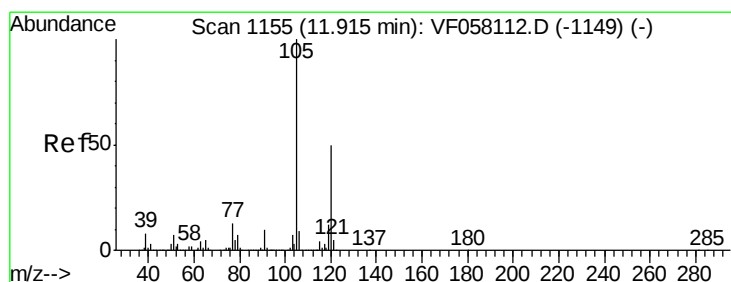
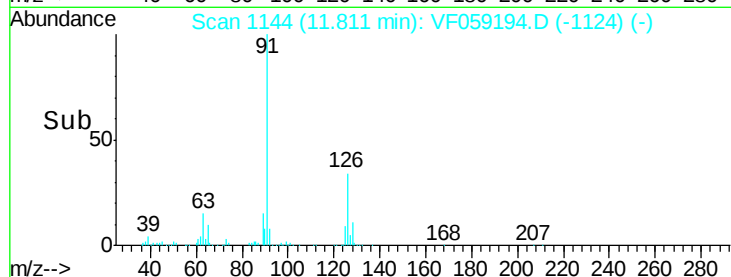
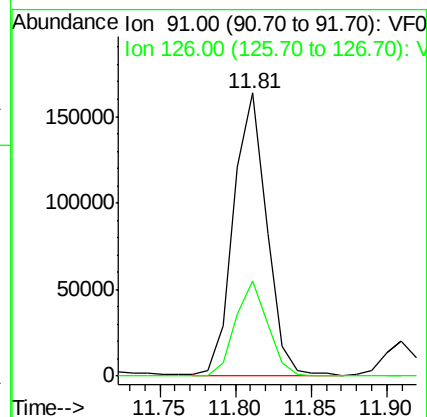
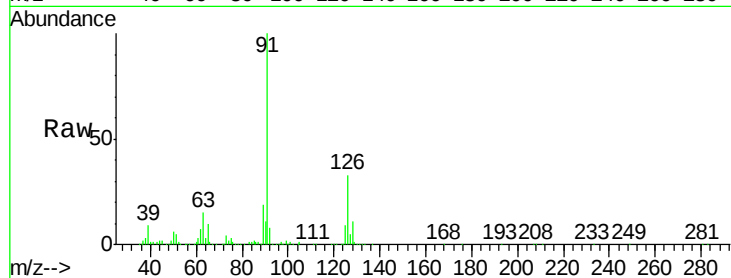
126 33.4 17.6 52.9

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#80

1,3,5-Trimethylbenzene

Concen: 22.02 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF059194.D

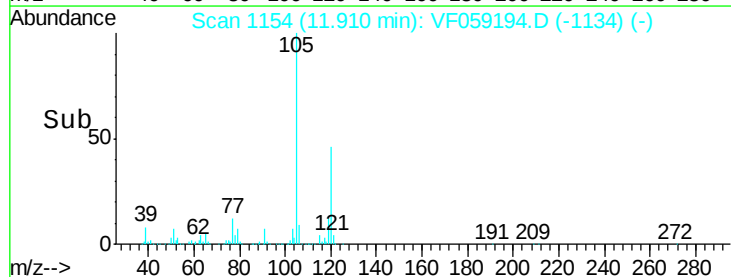
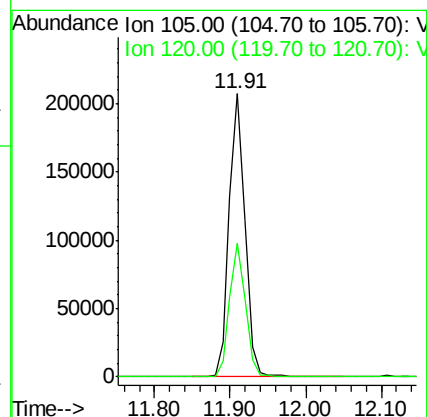
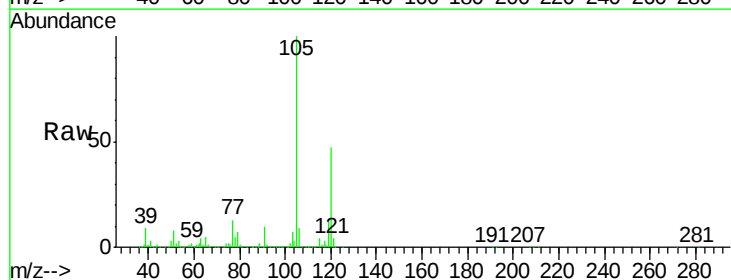
Acq: 19 Jun 2018 17:47

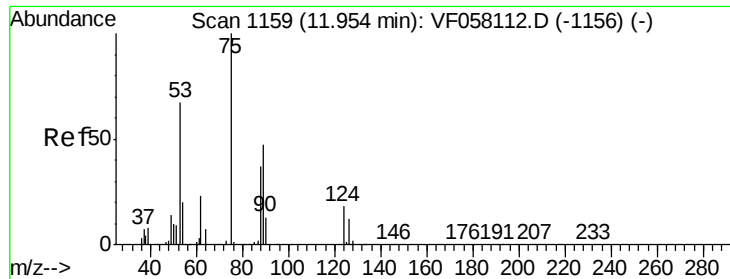
Tgt Ion: 105 Resp: 303356

Ion Ratio Lower Upper

105 100

120 47.3 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 19.84 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :

MSVOA\_F

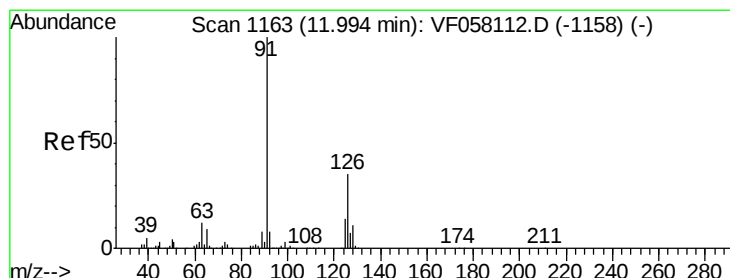
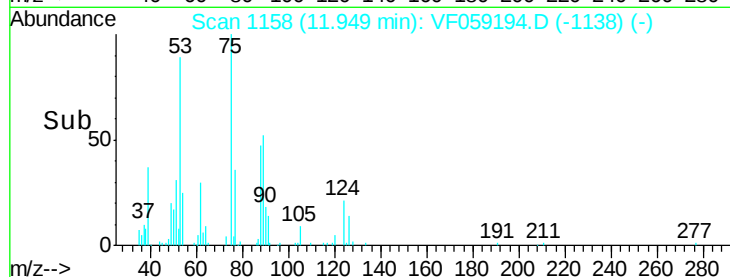
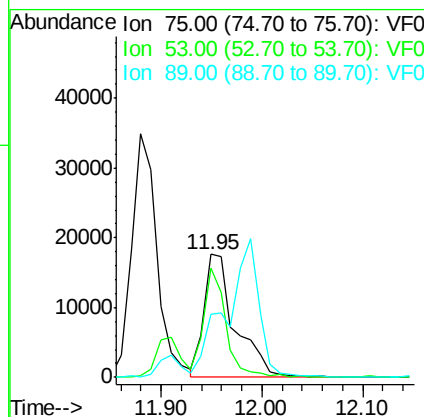
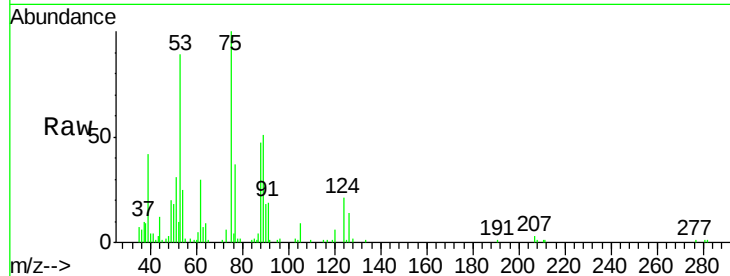
ClientSampleId :

VF0619SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 75    | Resp: | 37504 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 53        | 89.4  | 58.7  | 88.1# |
| 89        | 51.4  | 39.8  | 59.6  |

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#82

4-Chlorotoluene

Concen: 21.22 ug/l

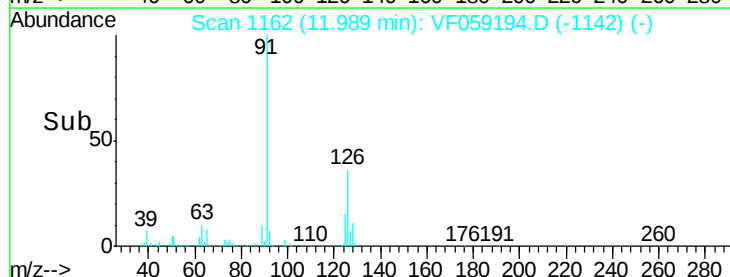
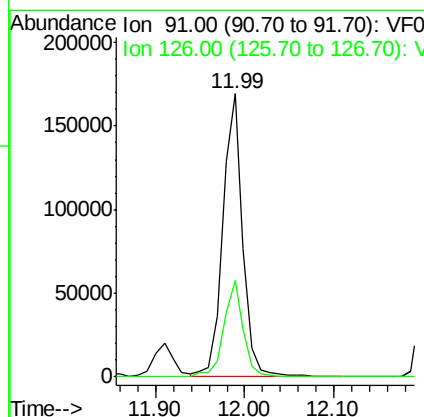
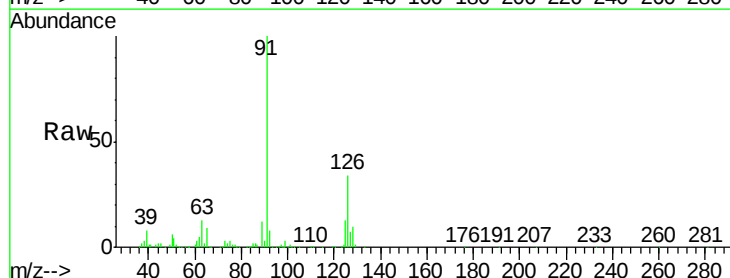
RT: 11.99 min Scan# 1162

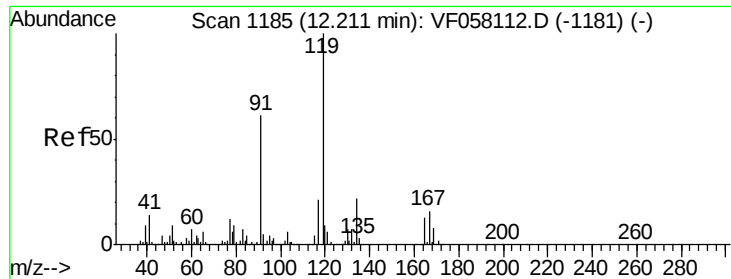
Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 262934 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 126       | 34.3  | 17.4  | 52.2   |





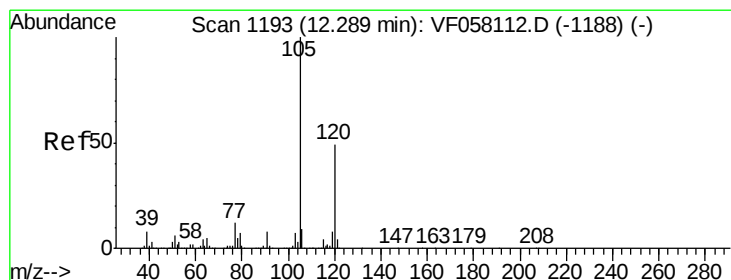
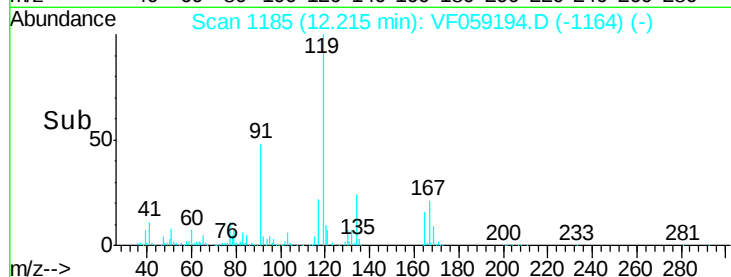
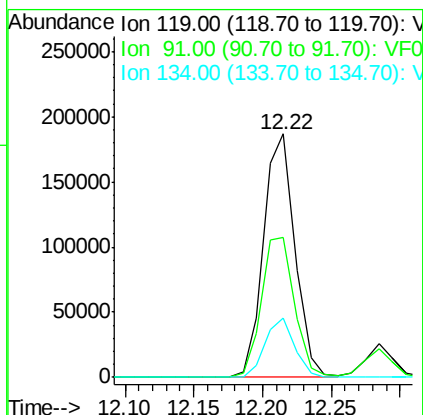
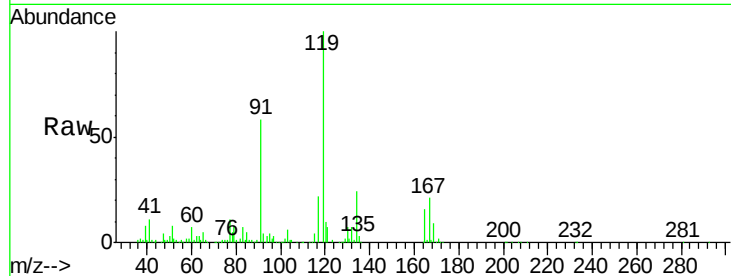
#83  
tert-Butylbenzene  
Concen: 21.72 ug/l  
RT: 12.22 min Scan# 1185  
Delta R.T. 0.00 min  
Lab File: VF059194.D  
Acq: 19 Jun 2018 17:47

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0619SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 57.6  | 30.4  | 91.3  |
| 134     | 24.4  | 11.2  | 33.5  |

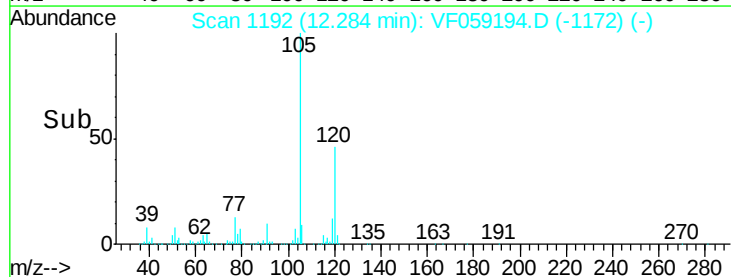
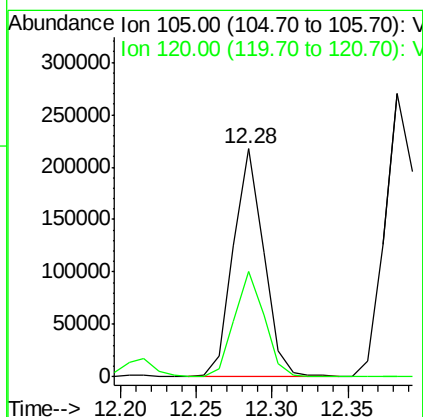
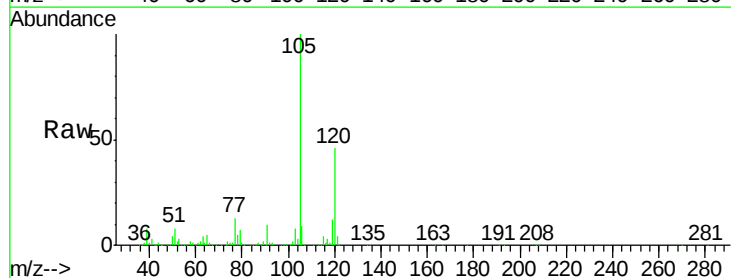
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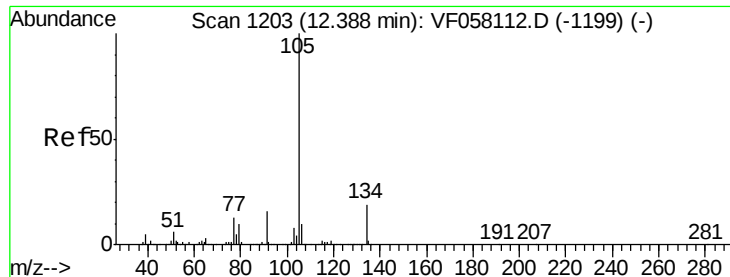
apatel  
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#84  
1,2,4-Trimethylbenzene  
Concen: 21.40 ug/l  
RT: 12.28 min Scan# 1192  
Delta R.T. -0.01 min  
Lab File: VF059194.D  
Acq: 19 Jun 2018 17:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 46.4  | 24.7  | 74.1  |





#85

sec-Butylbenzene

Concen: 21.13 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :

MSVOA\_F

ClientSampleId :

VF0619SBS01

Tot Ion:105 Resp: 392810

Ion Ratio Lower Upper

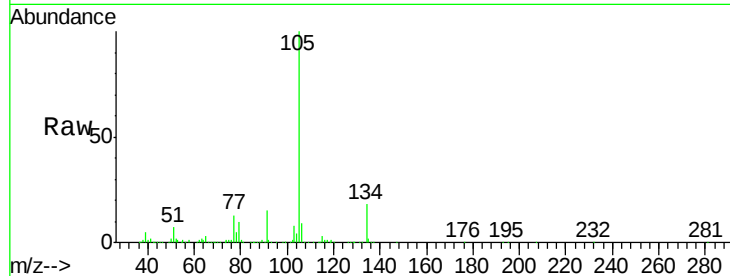
105 100

134 18.3 9.6 28.6

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.38

300000

250000

200000

150000

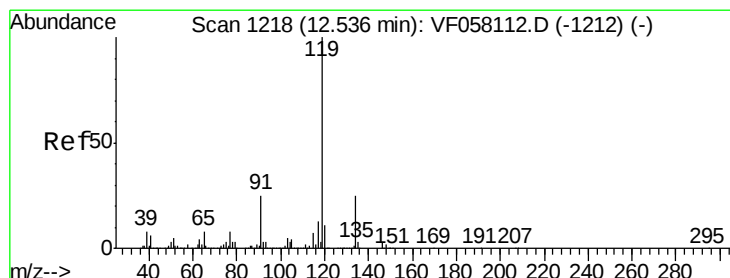
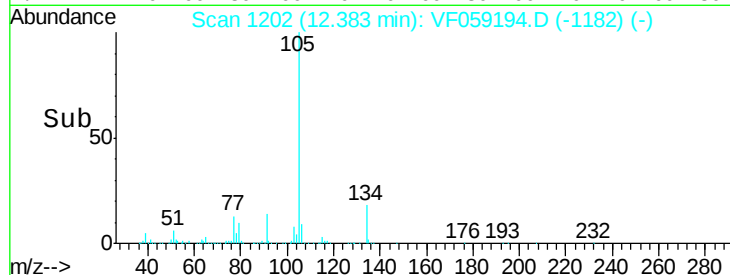
100000

50000

0

Time-->

12.30 12.40 12.50



#86

p-Isopropyltoluene

Concen: 21.95 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

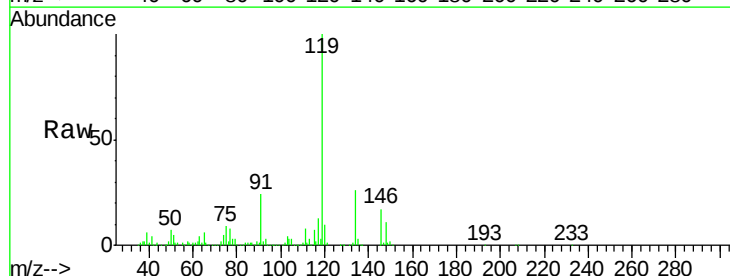
Tgt Ion:119 Resp: 335153

Ion Ratio Lower Upper

119 100

134 25.8 12.7 38.0

91 24.3 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

300000

250000

200000

150000

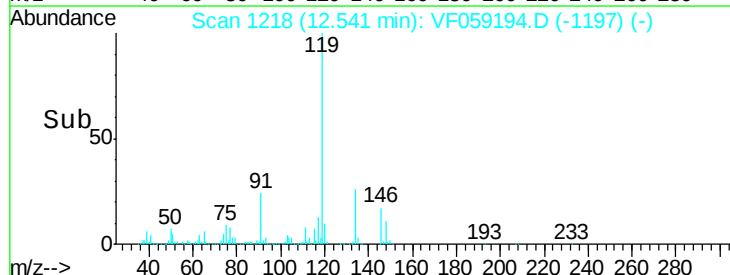
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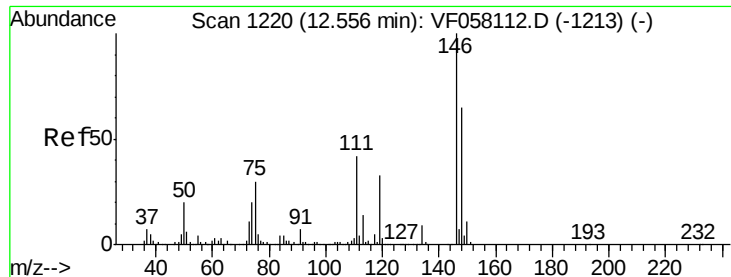
50000

0

Time-->

12.40 12.50 12.60





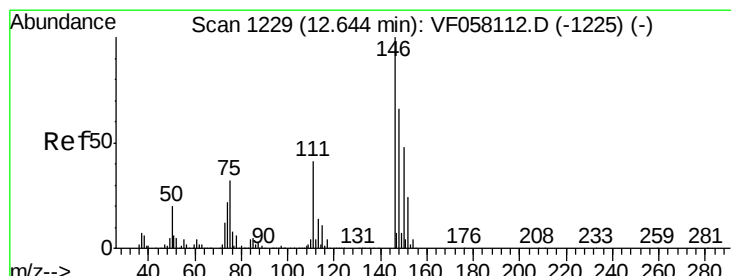
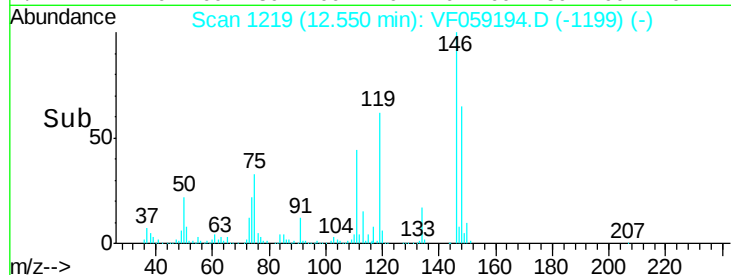
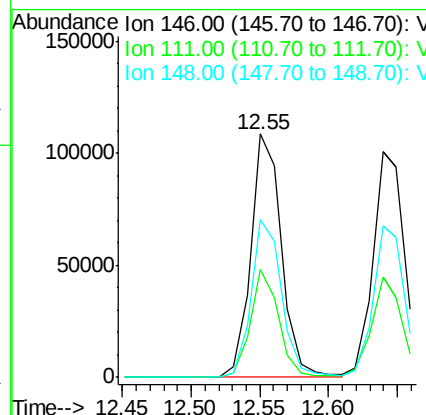
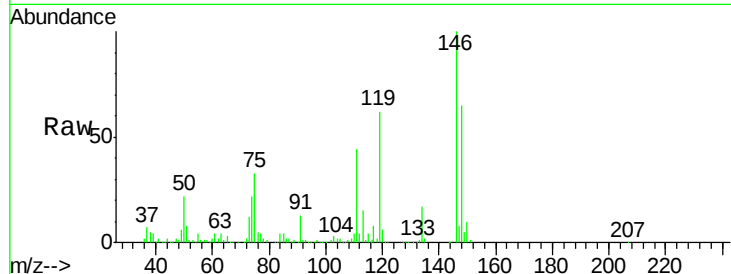
#87  
 1,3-Dichlorobenzene  
 Concen: 21.85 ug/l  
 RT: 12.55 min Scan# 1219  
 Delta R.T. -0.01 min  
 Lab File: VF059194.D  
 Acq: 19 Jun 2018 17:47

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0619SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 169028 |       |       |
| 111     | 44.5  | 20.8   | 62.5  |       |
| 148     | 64.8  | 32.3   | 96.9  |       |

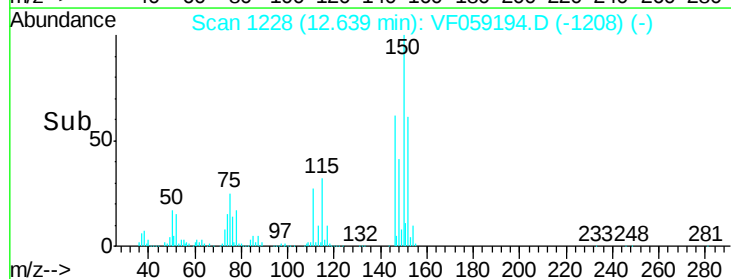
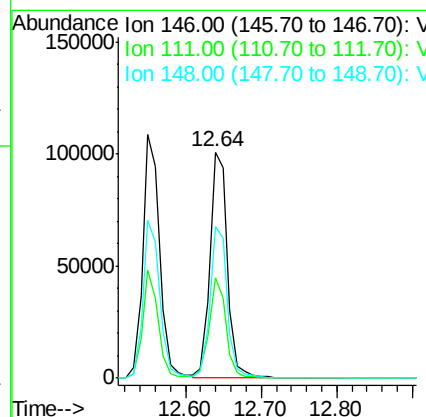
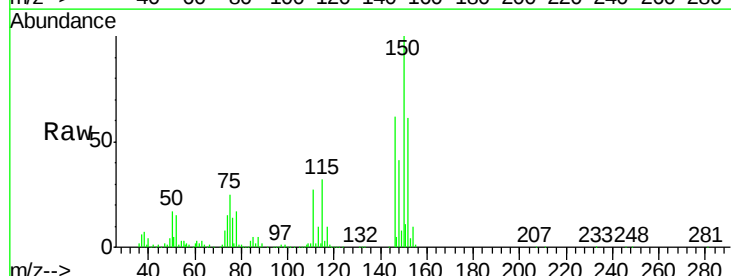
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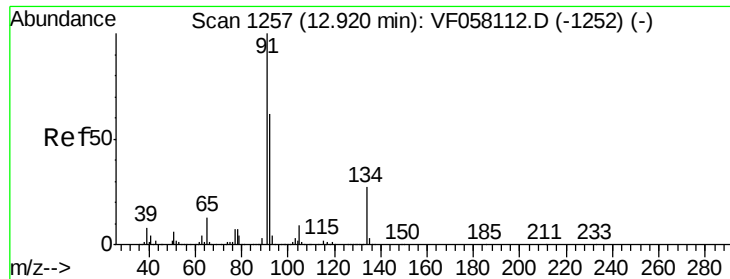
apatel  
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#88  
 1,4-Dichlorobenzene  
 Concen: 21.88 ug/l  
 RT: 12.64 min Scan# 1228  
 Delta R.T. -0.01 min  
 Lab File: VF059194.D  
 Acq: 19 Jun 2018 17:47

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 163087 |       |       |
| 111     | 44.1  | 20.4   | 61.2  |       |
| 148     | 67.0  | 33.0   | 99.0  |       |





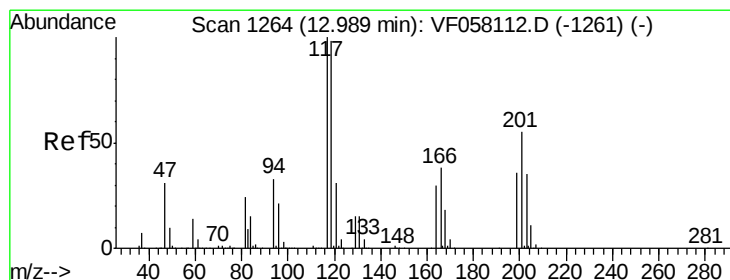
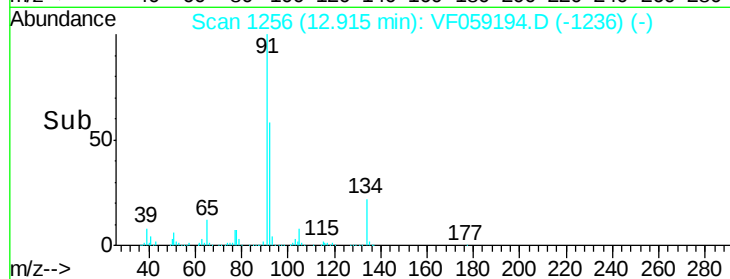
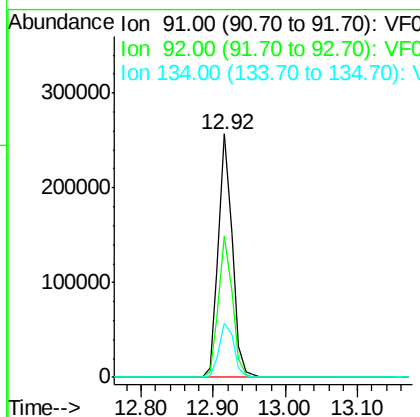
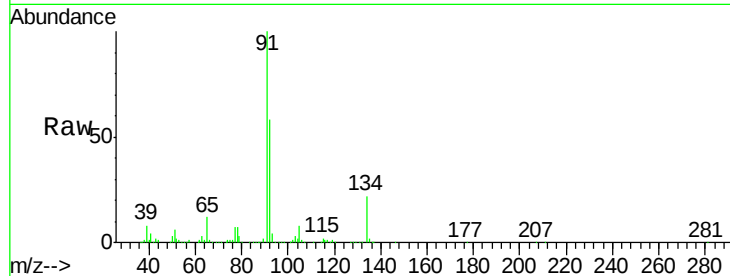
#89  
n-Butylbenzene  
Concen: 19.42 ug/l  
RT: 12.92 min Scan# 1256  
Delta R.T. -0.00 min  
Lab File: VF059194.D  
Acq: 19 Jun 2018 17:47

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0619SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 57.9  | 31.1  | 93.5  |
| 134     | 22.4  | 13.6  | 40.8  |

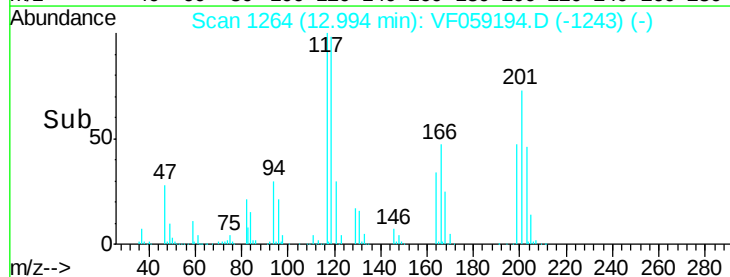
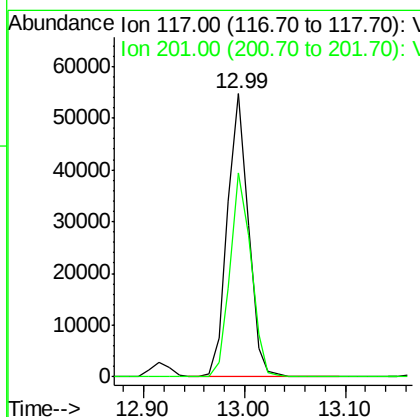
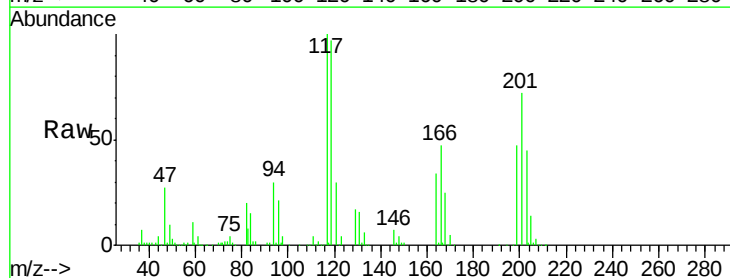
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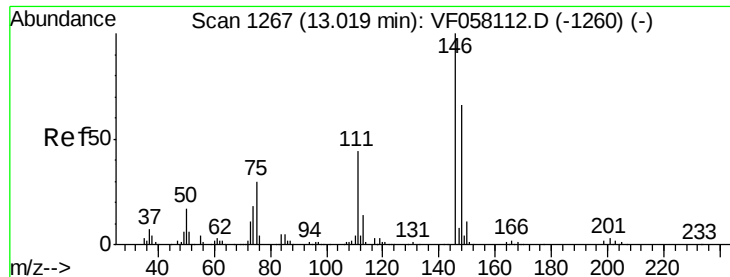
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#90  
Hexachloroethane  
Concen: 21.08 ug/l  
RT: 12.99 min Scan# 1264  
Delta R.T. 0.00 min  
Lab File: VF059194.D  
Acq: 19 Jun 2018 17:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 72.3  | 27.5  | 82.4  |





#91

1,2-Dichlorobenzene

Concen: 21.93 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :

MSVOA\_F

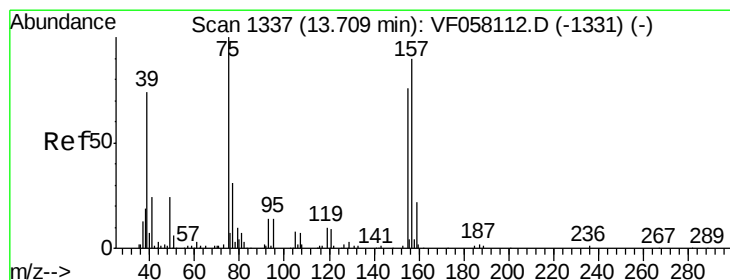
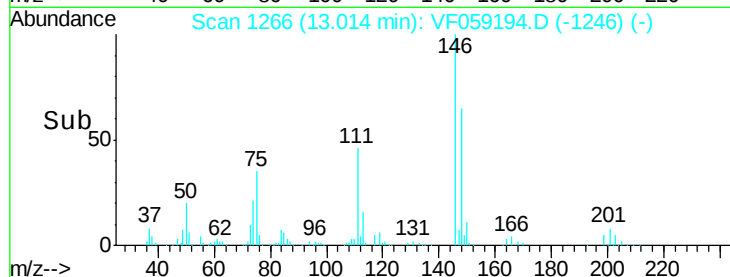
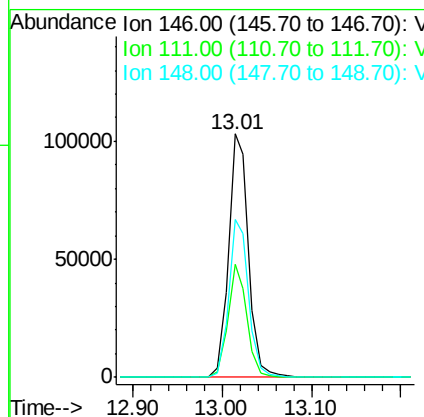
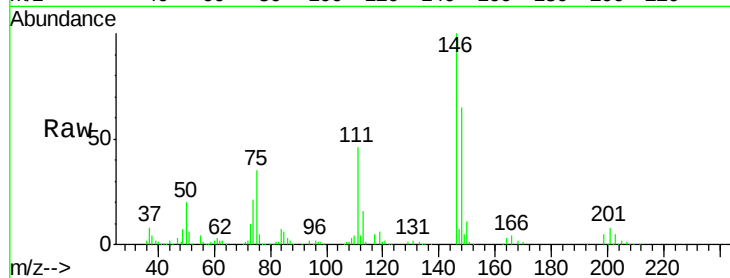
ClientSampleId :

VF0619SBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 163402 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 46.2  | 22.0  | 66.0   |
| 148       | 65.0  | 33.1  | 99.3   |

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#92

1,2-Dibromo-3-Chloropropane

Concen: 26.03 ug/l

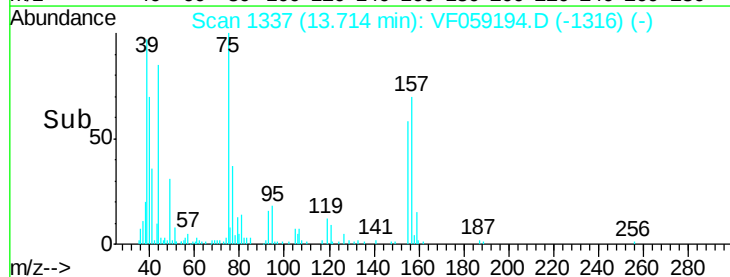
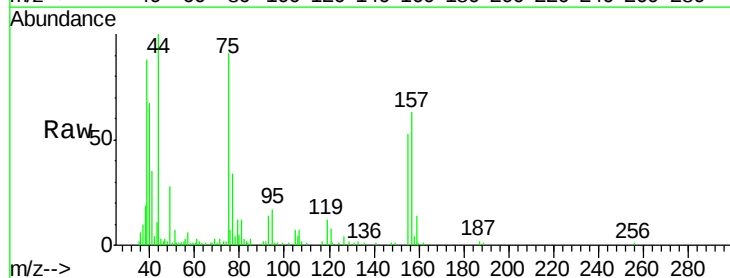
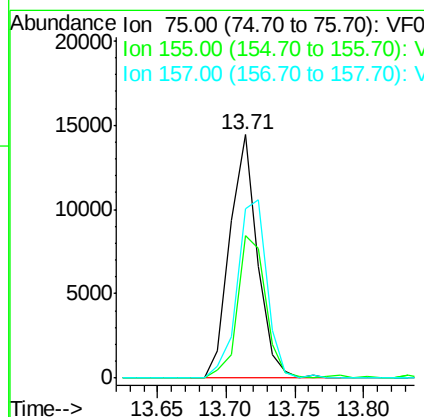
RT: 13.71 min Scan# 1337

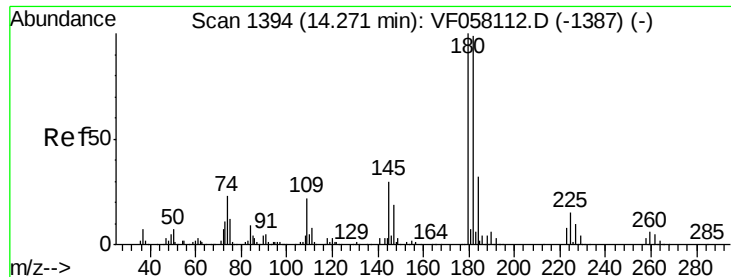
Delta R.T. 0.00 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 20154 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 58.3  | 38.0  | 114.0 |
| 157       | 69.5  | 45.1  | 135.5 |





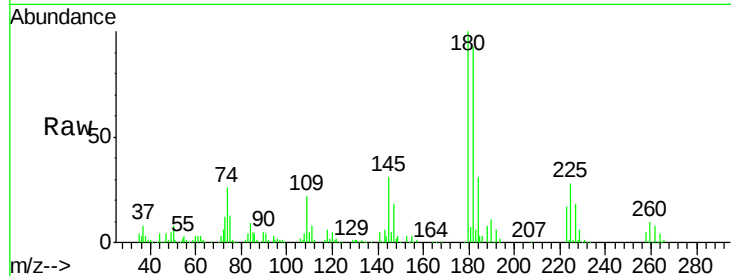
#93  
 1,2,4-Trichlorobenzene  
 Concen: 23.51 ug/l  
 RT: 14.27 min Scan# 1393  
 Delta R.T. -0.01 min  
 Lab File: VF059194.D  
 Acq: 19 Jun 2018 17:47

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0619SBS01

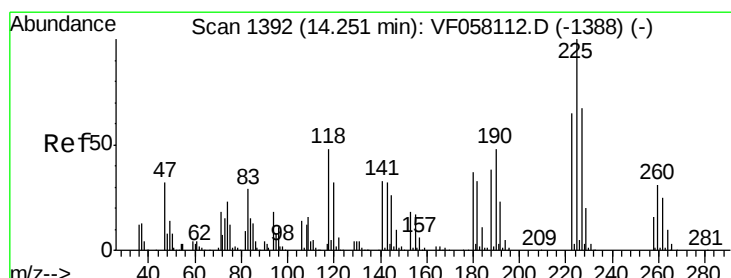
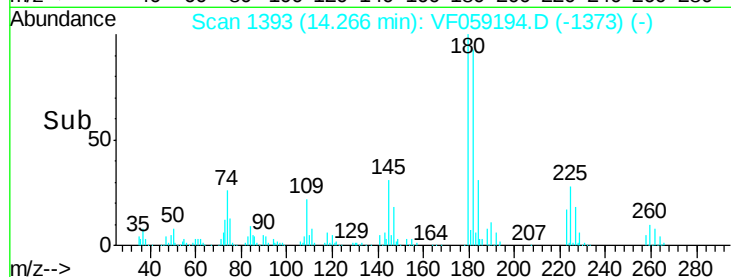
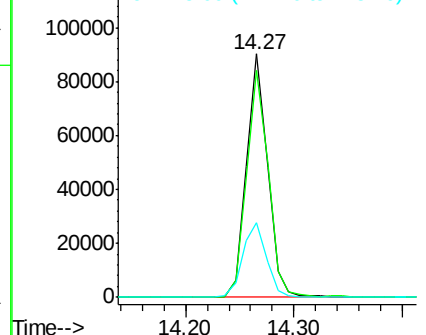
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 122530 |       |       |
| 182     | 93.3  | 49.3   | 147.9 |       |
| 145     | 30.8  | 14.9   | 44.9  |       |

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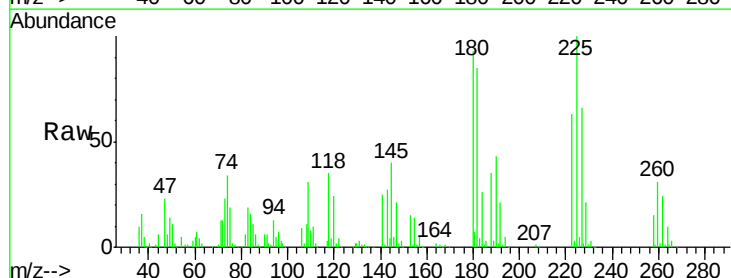


Abundance Ion 180.00 (179.70 to 180.70): V  
 Ion 182.00 (181.70 to 182.70): V  
 Ion 145.00 (144.70 to 145.70): V

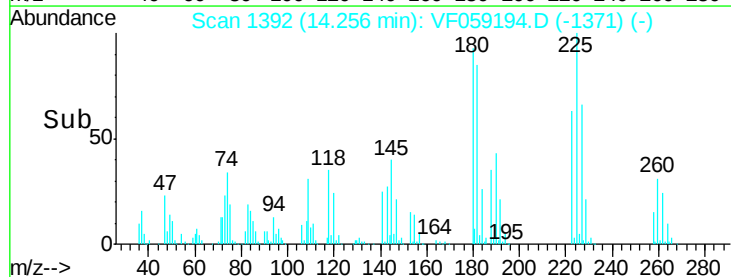
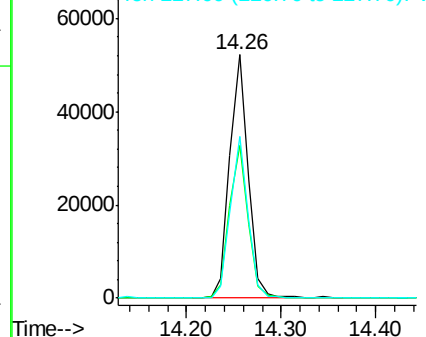


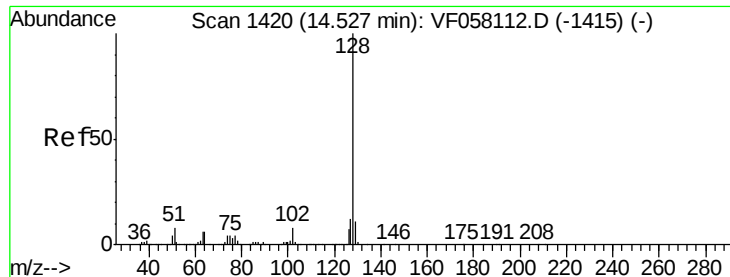
#94  
 Hexachlorobutadiene  
 Concen: 23.40 ug/l  
 RT: 14.26 min Scan# 1392  
 Delta R.T. 0.00 min  
 Lab File: VF059194.D  
 Acq: 19 Jun 2018 17:47

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 70589 |       |       |
| 223     | 62.6  | 32.8  | 98.3  |       |
| 227     | 66.2  | 33.3  | 99.9  |       |



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: 21.94 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.01 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

Instrument :

MSVOA\_F

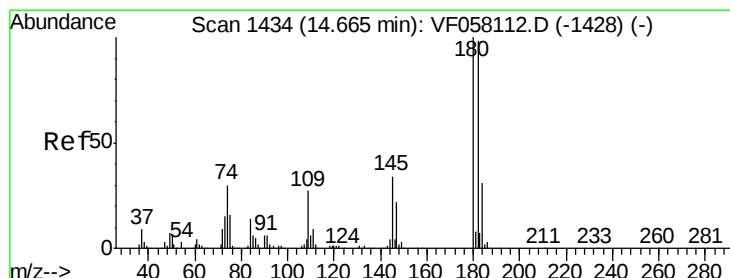
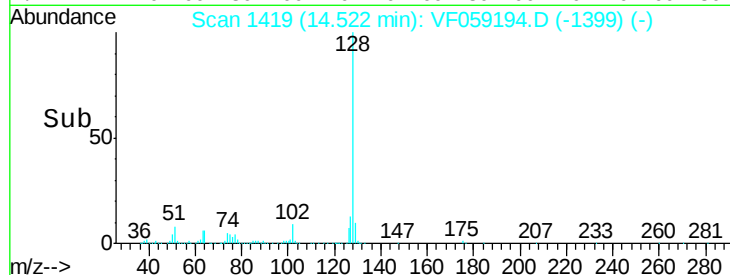
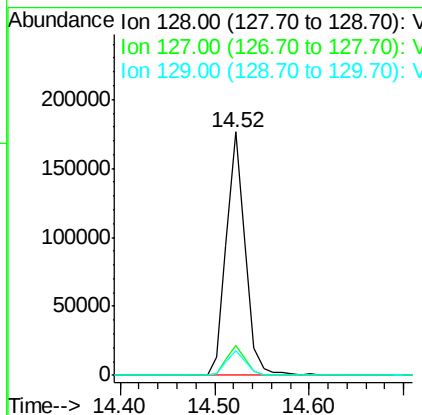
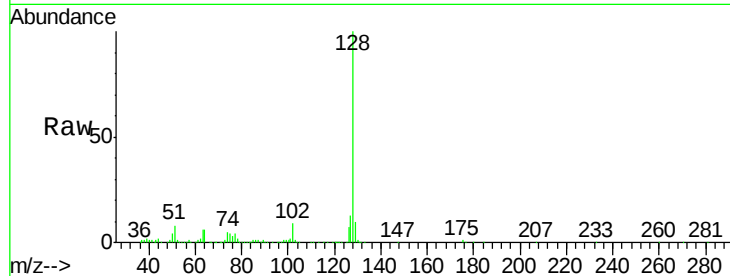
ClientSampleId :

VF0619SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 244249 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.5  | 9.9   | 14.9   |
| 129       | 10.3  | 8.7   | 13.1   |

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#96

1,2,3-Trichlorobenzene

Concen: 23.43 ug/l

RT: 14.67 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VF059194.D

Acq: 19 Jun 2018 17:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 112835 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 93.7  | 48.9  | 146.6  |
| 145       | 30.7  | 17.3  | 51.7   |

