

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062918\  
 Data File : VF059378.D  
 Acq On : 29 Jun 2018 15:40  
 Operator : VA/AP  
 Sample : VF0629SBS01  
 Misc : 5.00g/5mL/MSVOA-F/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0629SBS01

Manual Integrations  
 APPROVED

apatel  
 7/2/2018 1:11:49 PM

Quant Time: Jun 30 00:05:20 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F062518S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 26 08:45:17 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.03  | 168  | 307042   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.75  | 114  | 459484   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.91  | 117  | 448225   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.63 | 152  | 268660   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 5.00   | 65  | 172557   | 43.50 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 87.00% |      |
| 35) Dibromofluoromethane  | 4.27   | 113 | 156629   | 46.65 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 93.30% |      |
| 50) Toluene-d8            | 7.70   | 98  | 373812   | 44.97 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 89.94% |      |
| 62) 4-Bromofluorobenzene  | 11.50  | 95  | 203875   | 43.48 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 86.96% |      |

## Target Compounds

|                               |      |     |        |        |      | Qvalue |
|-------------------------------|------|-----|--------|--------|------|--------|
| 2) Dichlorodifluoromethane    | 0.98 | 85  | 57210  | 20.39  | ug/l | 86     |
| 3) Chloromethane              | 1.07 | 50  | 38650  | 20.51  | ug/l | 94     |
| 4) Vinyl Chloride             | 1.13 | 62  | 38616  | 20.82  | ug/l | 93     |
| 5) Bromomethane               | 1.33 | 94  | 26352  | 22.78  | ug/l | 97     |
| 6) Chloroethane               | 1.41 | 64  | 21671  | 23.19  | ug/l | 95     |
| 7) Trichlorofluoromethane     | 1.48 | 101 | 71396m | 19.46  | ug/l |        |
| 8) Diethyl Ether              | 1.70 | 74  | 18189  | 19.34  | ug/l | 95     |
| 9) 1,1,2-Trichlorotrifluoroet | 1.88 | 101 | 44054  | 20.57  | ug/l | 91     |
| 10) Methyl Iodide             | 1.95 | 142 | 78352  | 20.07  | ug/l | 99     |
| 11) Tert butyl alcohol        | 2.67 | 59  | 22885  | 86.65  | ug/l | 93     |
| 12) 1,1-Dichloroethene        | 1.84 | 96  | 38730  | 21.40  | ug/l | 95     |
| 13) Acrolein                  | 2.08 | 56  | 14023  | 99.74  | ug/l | 94     |
| 14) Allyl chloride            | 2.18 | 41  | 74080  | 21.80  | ug/l | 94     |
| 15) Acrylonitrile             | 3.06 | 53  | 47224  | 101.54 | ug/l | 87     |
| 16) Acetone                   | 2.33 | 43  | 109209 | 104.29 | ug/l | 97     |
| 17) Carbon Disulfide          | 1.86 | 76  | 86379  | 20.29  | ug/l | # 89   |
| 18) Methyl Acetate            | 2.43 | 43  | 38381  | 20.76  | ug/l | 95     |
| 19) Methyl tert-butyl Ether   | 2.52 | 73  | 139446 | 20.65  | ug/l | 94     |
| 20) Methylene Chloride        | 2.27 | 84  | 46915m | 16.07  | ug/l |        |
| 21) trans-1,2-Dichloroethene  | 2.40 | 96  | 39958  | 20.69  | ug/l | 95     |
| 22) Diisopropyl ether         | 2.91 | 45  | 162493 | 21.59  | ug/l | 96     |
| 23) Vinyl Acetate             | 3.32 | 43  | 532753 | 111.17 | ug/l | 97     |
| 24) 1,1-Dichloroethane        | 2.99 | 63  | 95441  | 20.46  | ug/l | 99     |
| 25) 2-Butanone                | 4.49 | 43  | 142294 | 117.11 | ug/l | 98     |
| 26) 2,2-Dichloropropane       | 3.75 | 77  | 67224  | 20.89  | ug/l | 91     |
| 27) cis-1,2-Dichloroethene    | 3.63 | 96  | 58831  | 20.07  | ug/l | 74     |
| 28) Bromochloromethane        | 3.86 | 49  | 45519  | 23.12  | ug/l | 84     |
| 29) Tetrahydrofuran           | 4.24 | 42  | 58127  | 108.92 | ug/l | 95     |
| 30) Chloroform                | 4.02 | 83  | 134921 | 19.98  | ug/l | 95     |
| 31) Cyclohexane               | 3.85 | 56  | 67675  | 22.14  | ug/l | 97     |
| 32) 1,1,1-Trichloroethane     | 4.26 | 97  | 99846  | 20.20  | ug/l | 96     |
| 36) 1,1-Dichloropropene       | 4.44 | 75  | 85334  | 21.26  | ug/l | 97     |
| 37) Ethyl Acetate             | 4.28 | 43  | 61252  | 23.06  | ug/l | 95     |
| 38) Carbon Tetrachloride      | 4.15 | 117 | 106688 | 21.06  | ug/l | 93     |

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Manual Integrations  
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apatel  
 7/2/2018 1:11:49 PM

Quant Time: Jun 30 00:05:20 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F062518S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 26 08:45:17 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 5.61  | 83   | 78751    | 22.14  | ug/l   | 95       |
| 40) Benzene                    | 4.79  | 78   | 189579   | 21.30  | ug/l   | 98       |
| 41) Methacrylonitrile          | 4.91  | 41   | 29240    | 21.36  | ug/l   | 94       |
| 42) 1,2-Dichloroethane         | 5.10  | 62   | 102678   | 19.74  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 7.10  | 43   | 65950    | 19.73  | ug/l # | 87       |
| 44) Trichloroethene            | 5.66  | 130  | 64068    | 20.99  | ug/l   | 92       |
| 45) 1,2-Dichloropropane        | 6.39  | 63   | 54409    | 21.40  | ug/l   | 91       |
| 46) Dibromomethane             | 6.24  | 93   | 46703    | 21.16  | ug/l   | 96       |
| 47) Bromodichloromethane       | 6.53  | 83   | 111599   | 20.89  | ug/l   | 97       |
| 48) Methyl methacrylate        | 6.86  | 41   | 45342    | 20.23  | ug/l   | 95       |
| 49) 1,4-Dioxane                | 6.85  | 88   | 5668     | 450.69 | ug/l # | 80       |
| 51) 4-Methyl-2-Pentanone       | 8.39  | 43   | 260078   | 105.00 | ug/l   | 99       |
| 52) Toluene                    | 7.77  | 92   | 136454   | 20.49  | ug/l   | 94       |
| 53) t-1,3-Dichloropropene      | 8.41  | 75   | 102084   | 20.96  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 7.44  | 75   | 111134   | 21.01  | ug/l   | 92       |
| 55) 1,1,2-Trichloroethane      | 8.63  | 97   | 54530    | 21.09  | ug/l   | 92       |
| 56) Ethyl methacrylate         | 8.74  | 69   | 78404    | 24.48  | ug/l # | 91       |
| 57) 1,3-Dichloropropane        | 8.99  | 76   | 92969    | 20.96  | ug/l   | 94       |
| 58) 2-Chloroethyl Vinyl ether  | 7.77  | 63   | 25353    | 105.54 | ug/l   | 100      |
| 59) 2-Hexanone                 | 9.62  | 43   | 220451   | 108.93 | ug/l   | 98       |
| 60) Dibromochloromethane       | 8.85  | 129  | 81960    | 20.53  | ug/l   | 93       |
| 61) 1,2-Dibromoethane          | 9.12  | 107  | 65450    | 20.87  | ug/l   | 89       |
| 64) Tetrachloroethene          | 8.29  | 164  | 62724    | 21.58  | ug/l   | 95       |
| 65) Chlorobenzene              | 9.93  | 112  | 169257   | 20.38  | ug/l   | 95       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.05 | 131  | 74667    | 20.79  | ug/l   | 98       |
| 67) Ethyl Benzene              | 10.02 | 91   | 280784   | 19.93  | ug/l   | 94       |
| 68) m/p-Xylenes                | 10.25 | 106  | 215751   | 43.02  | ug/l   | 93       |
| 69) o-Xylene                   | 10.82 | 106  | 118770   | 21.17  | ug/l   | 99       |
| 70) Styrene                    | 10.89 | 104  | 177125   | 20.73  | ug/l   | 98       |
| 71) Bromoform                  | 10.88 | 173  | 48604    | 19.74  | ug/l   | 96       |
| 73) Isopropylbenzene           | 11.22 | 105  | 360391   | 23.03  | ug/l   | 100      |
| 74) N-amyl acetate             | 11.45 | 43   | 126054   | 22.19  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.78 | 83   | 83055    | 21.01  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 11.88 | 75   | 62523    | 20.97  | ug/l   | 98       |
| 77) Bromobenzene               | 11.58 | 156  | 91875    | 21.16  | ug/l   | 94       |
| 78) n-propylbenzene            | 11.68 | 91   | 401669   | 21.37  | ug/l   | 97       |
| 79) 2-Chlorotoluene            | 11.80 | 91   | 250267   | 21.79  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene     | 11.91 | 105  | 300774   | 21.94  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 11.95 | 75   | 36190    | 20.39  | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 11.98 | 91   | 264119   | 21.47  | ug/l   | 94       |
| 83) tert-Butylbenzene          | 12.20 | 119  | 320334   | 23.36  | ug/l   | 93       |
| 84) 1,2,4-Trimethylbenzene     | 12.28 | 105  | 318569   | 22.06  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 12.38 | 105  | 417214   | 22.95  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 12.53 | 119  | 348871   | 22.87  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 12.55 | 146  | 169456   | 20.97  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 12.64 | 146  | 165097   | 21.29  | ug/l   | 99       |
| 89) n-Butylbenzene             | 12.91 | 91   | 354546   | 22.90  | ug/l   | 100      |
| 90) Hexachloroethane           | 12.99 | 117  | 83260    | 21.90  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 13.01 | 146  | 162848   | 20.66  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.71 | 75   | 17859    | 20.38  | ug/l   | 96       |

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Misc : 5.00g/5mL/MSVOA-F/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0629SBS01

Manual Integrations  
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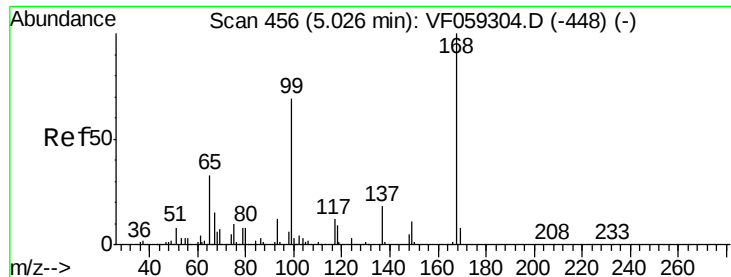
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7/2/2018 1:11:49 PM

Quant Time: Jun 30 00:05:20 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F062518S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jun 26 08:45:17 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.26 | 180  | 133198   | 22.85 | ug/l  | 97       |
| 94) Hexachlorobutadiene    | 14.25 | 225  | 74698    | 22.94 | ug/l  | 88       |
| 95) Naphthalene            | 14.52 | 128  | 269342   | 22.08 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.66 | 180  | 125534   | 22.73 | ug/l  | 96       |

(#) = 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. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

Instrument :

MSVOA\_F

ClientSampleId :

VF0629SBS01

Tot Ion:168 Resp: 307042

Ion Ratio Lower Upper

168 100

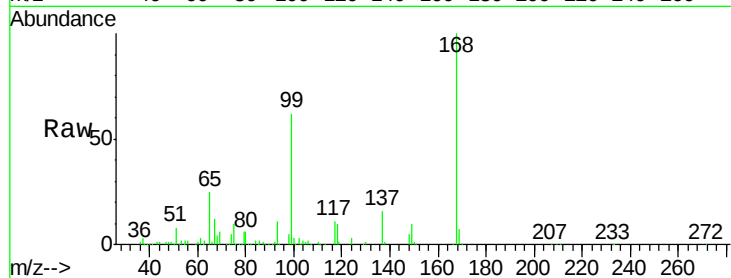
99 62.1 54.9 82.3

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

120000

100000

80000

60000

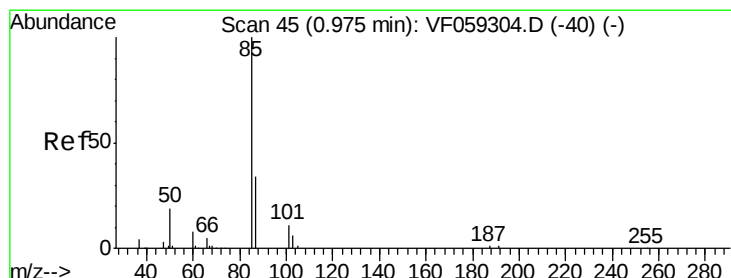
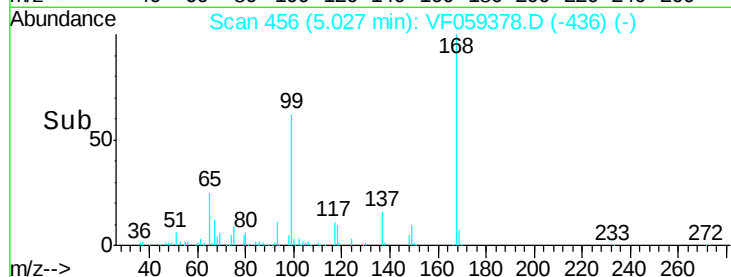
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 20.39 ug/l

RT: 0.98 min Scan# 45

Delta R.T. 0.00 min

Lab File: VF059378.D

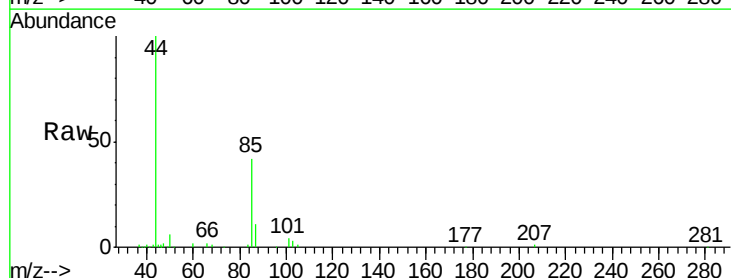
Acq: 29 Jun 2018 15:40

Tgt Ion: 85 Resp: 57210

Ion Ratio Lower Upper

85 100

87 26.3 17.1 51.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

20000

15000

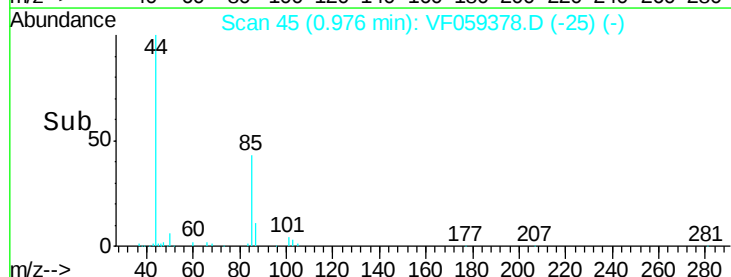
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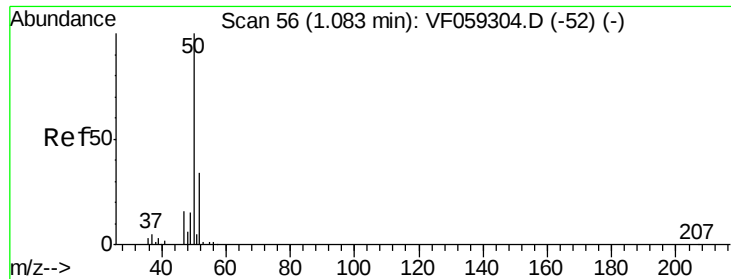
5000

0

0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 20.51 ug/l

RT: 1.07 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

Instrument :

MSVOA\_F

ClientSampleId :

VF0629SBS01

Tot Ion: 50 Resp: 38650

Ion Ratio Lower Upper

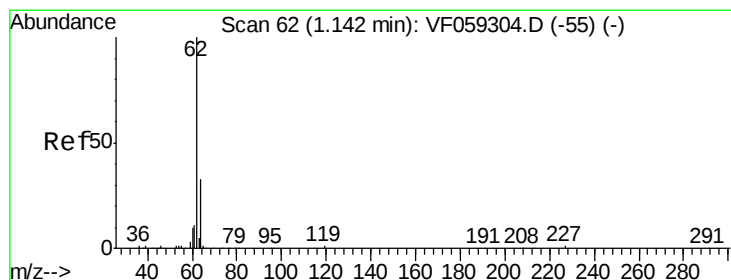
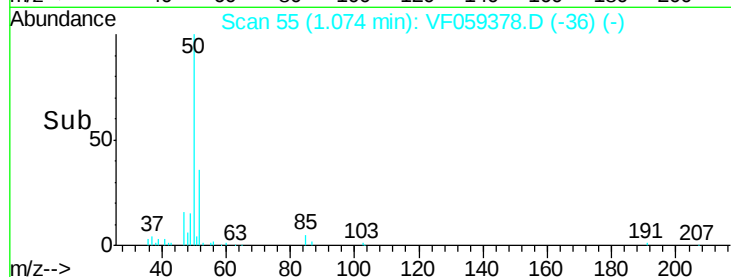
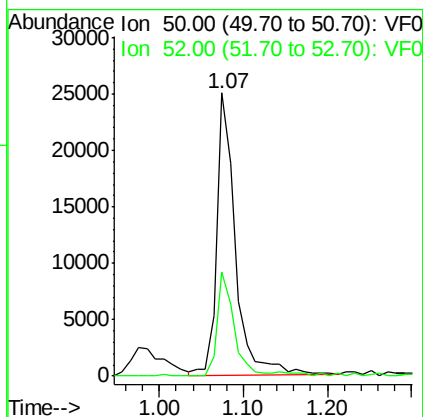
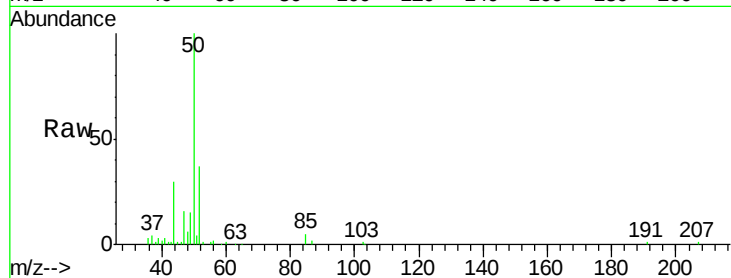
50 100

52 36.7 26.7 40.1

Manual Integrations  
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#4

Vinyl Chloride

Concen: 20.82 ug/l

RT: 1.13 min Scan# 61

Delta R.T. -0.01 min

Lab File: VF059378.D

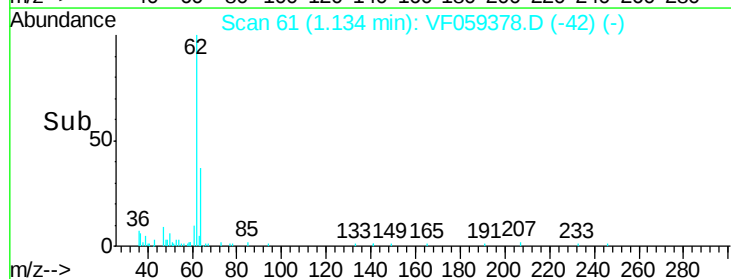
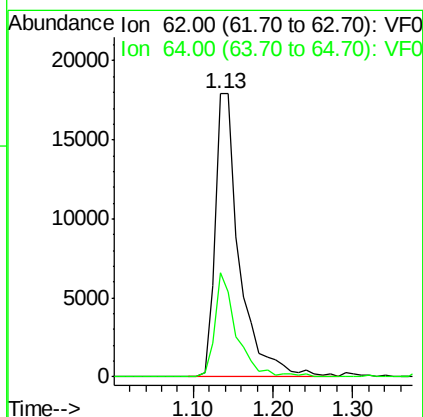
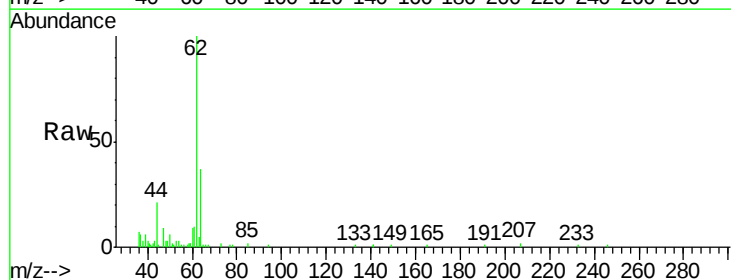
Acq: 29 Jun 2018 15:40

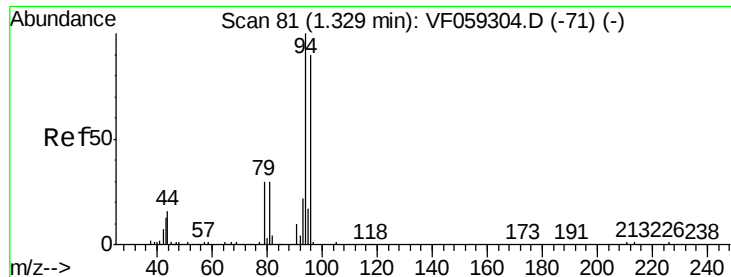
Tgt Ion: 62 Resp: 38616

Ion Ratio Lower Upper

62 100

64 36.8 26.3 39.5





#5

Bromomethane

Concen: 22.78 ug/l

RT: 1.33 min Scan# 81

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

Instrument :

MSVOA\_F

ClientSampleId :

VF0629SBS01

Tot Ion: 94 Resp: 26352

Ion Ratio Lower Upper

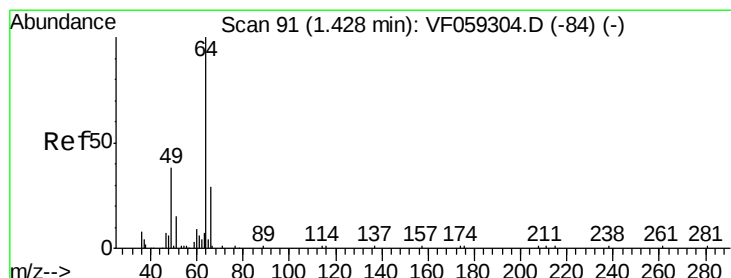
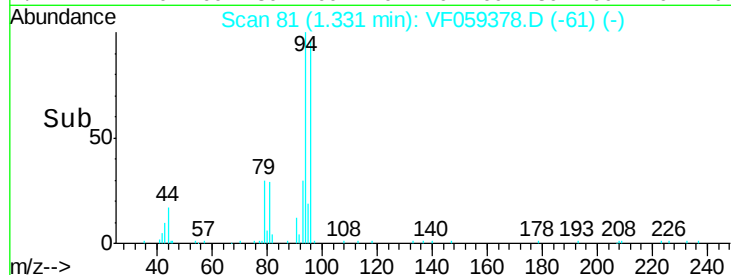
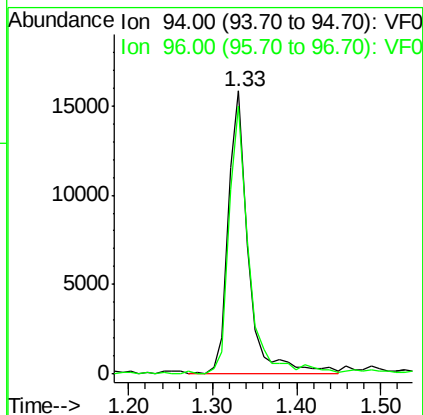
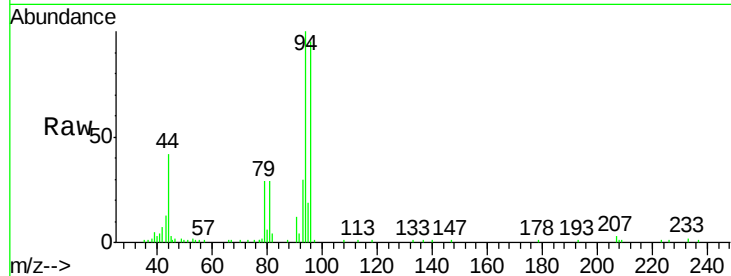
94 100

96 94.8 73.4 110.0

Manual Integrations  
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#6

Chloroethane

Concen: 23.19 ug/l

RT: 1.41 min Scan# 89

Delta R.T. -0.02 min

Lab File: VF059378.D

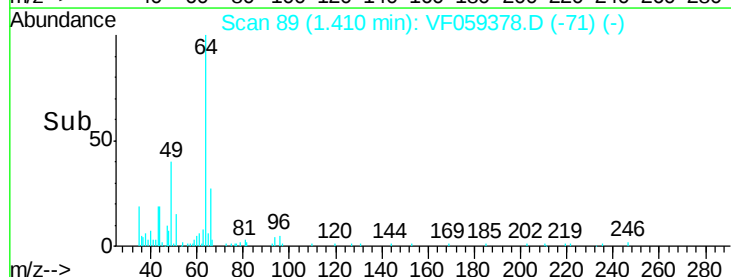
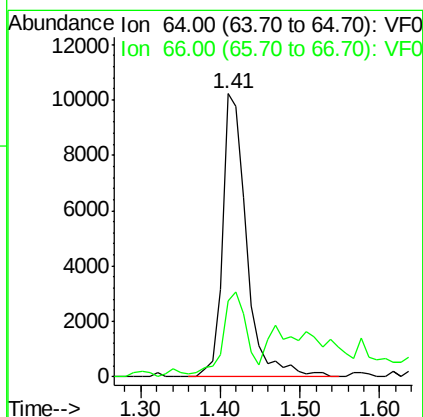
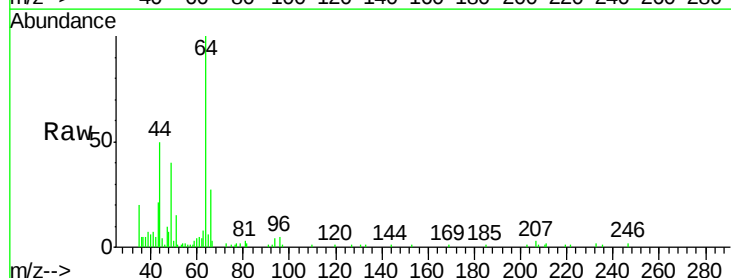
Acq: 29 Jun 2018 15:40

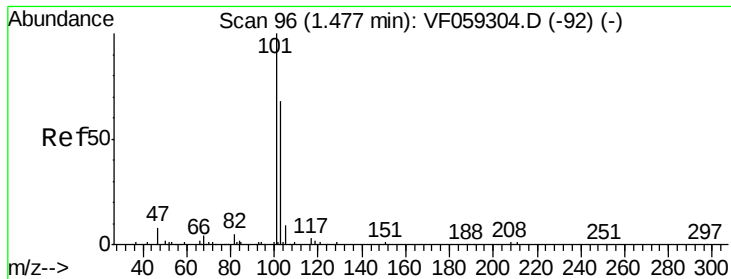
Tgt Ion: 64 Resp: 21671

Ion Ratio Lower Upper

64 100

66 27.1 23.9 35.9





#7

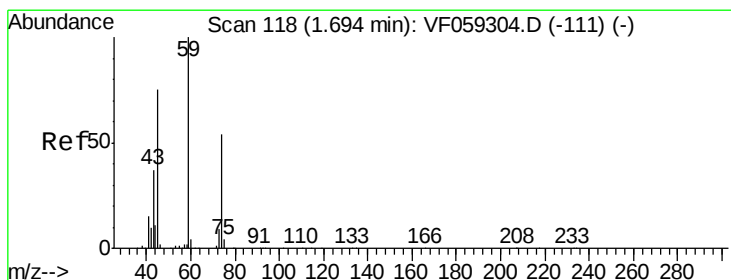
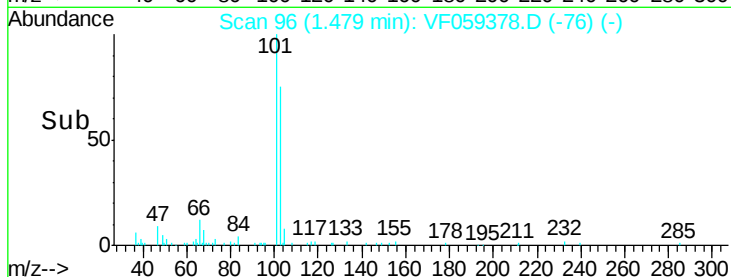
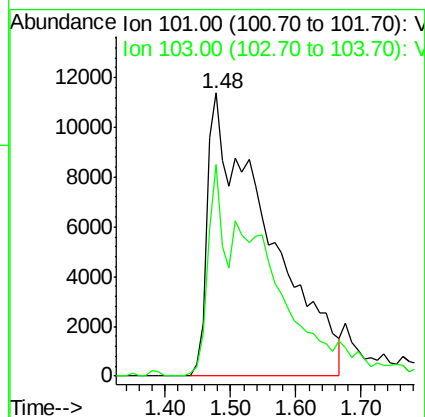
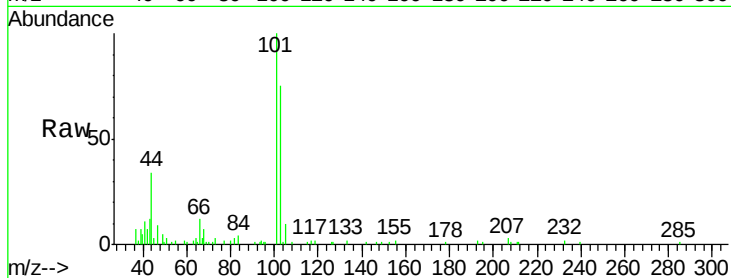
Trichlorofluoromethane  
Concen: 19.46 ug/l m  
RT: 1.48 min Scan# 96  
Delta R.T. 0.00 min  
Lab File: VF059378.D  
Acq: 29 Jun 2018 15:40

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0629SBS01

Tot Ion:101 Resp: 71396  
Ion Ratio Lower Upper  
101 100  
103 74.7 54.2 81.2

Manual Integrations  
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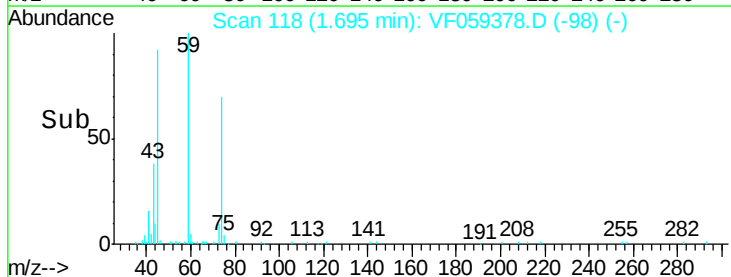
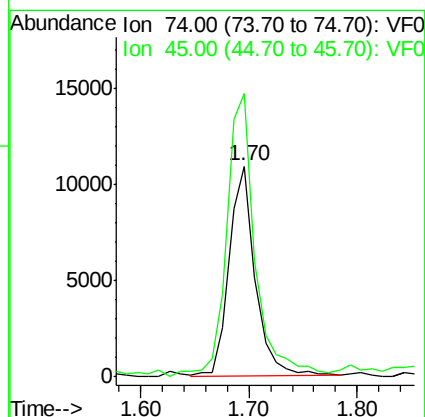
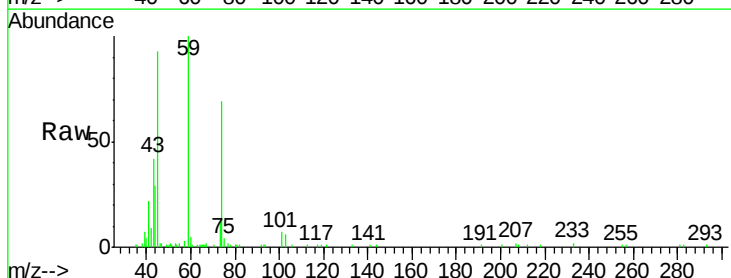
apatel  
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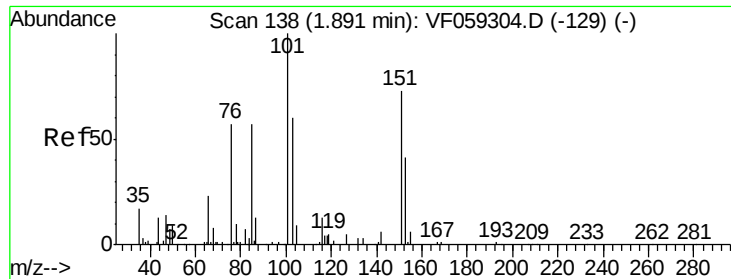


#8

Diethyl Ether  
Concen: 19.34 ug/l  
RT: 1.70 min Scan# 118  
Delta R.T. 0.00 min  
Lab File: VF059378.D  
Acq: 29 Jun 2018 15:40

Tgt Ion: 74 Resp: 18189  
Ion Ratio Lower Upper  
74 100  
45 134.3 70.0 210.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.57 ug/l

RT: 1.88 min Scan# 137

Delta R.T. -0.01 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

Instrument :

MSVOA\_F

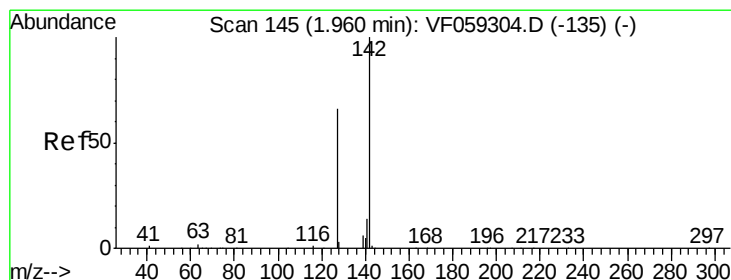
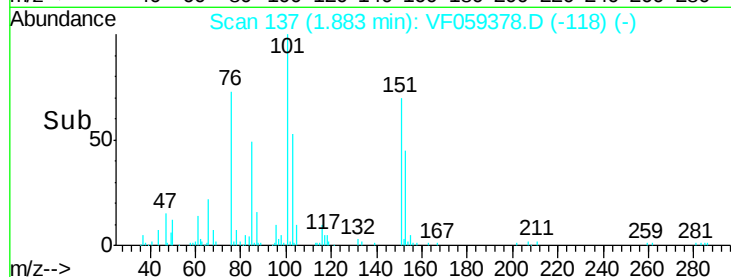
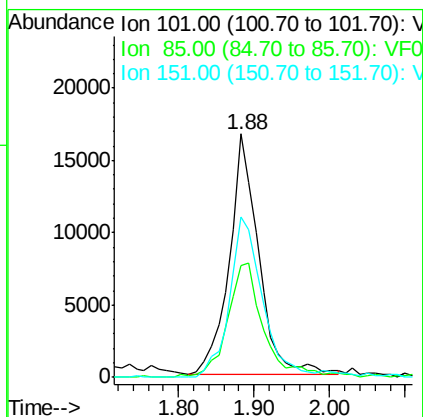
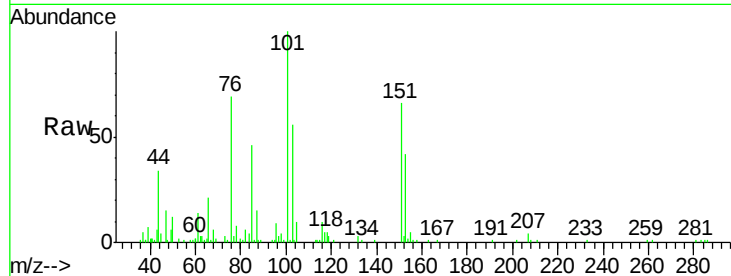
ClientSampleId :

VF0629SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 44054 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 46.0  | 44.5  | 66.7  |
| 151       | 65.6  | 56.8  | 85.2  |

Manual Integrations  
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apatel  
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#10

Methyl Iodide

Concen: 20.07 ug/l

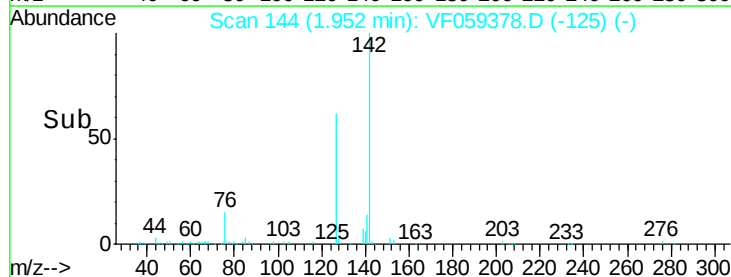
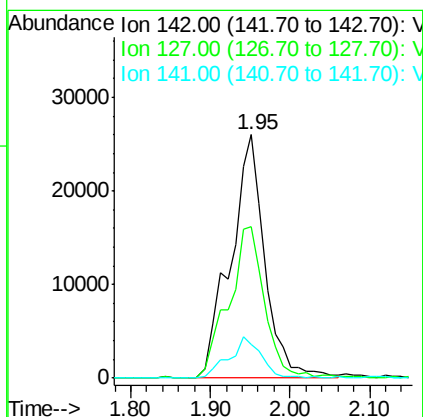
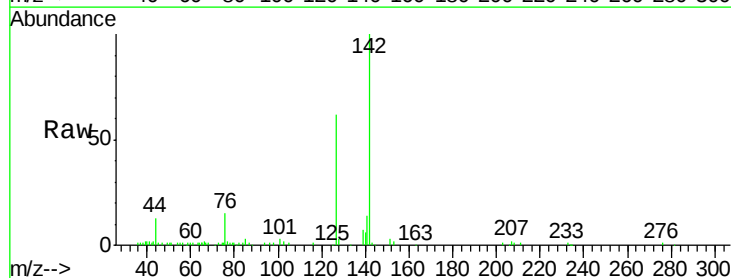
RT: 1.95 min Scan# 144

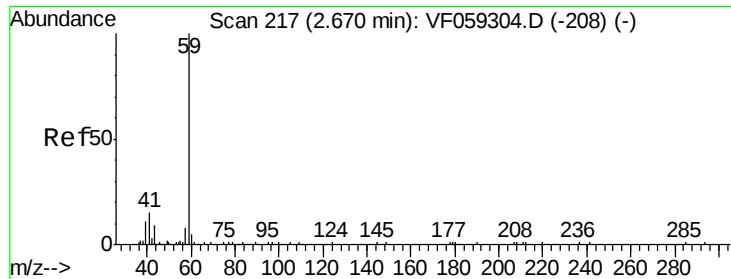
Delta R.T. -0.01 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 78352 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 65.0  | 52.5  | 78.7  |
| 141       | 13.9  | 11.5  | 17.3  |





#11

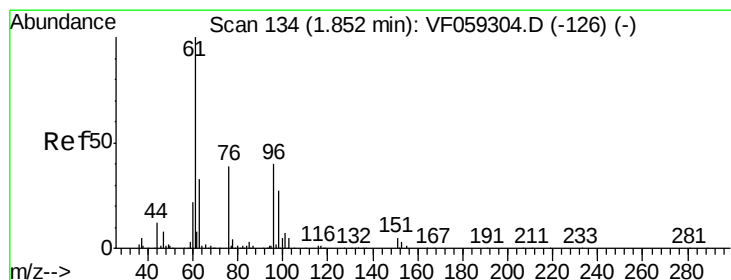
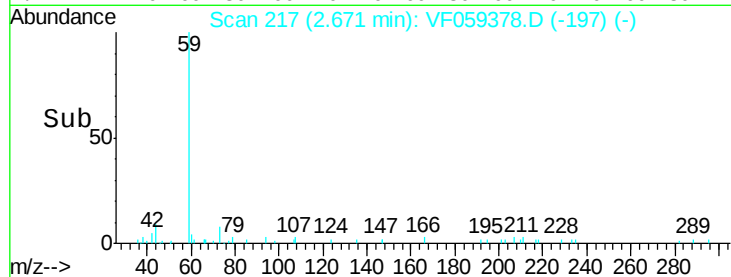
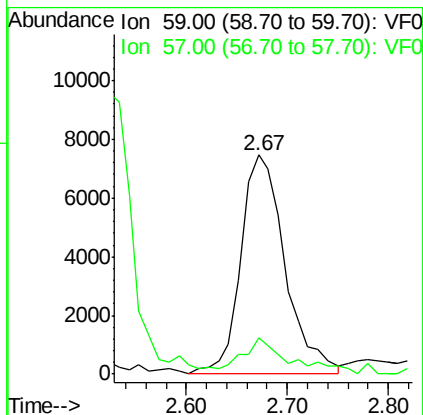
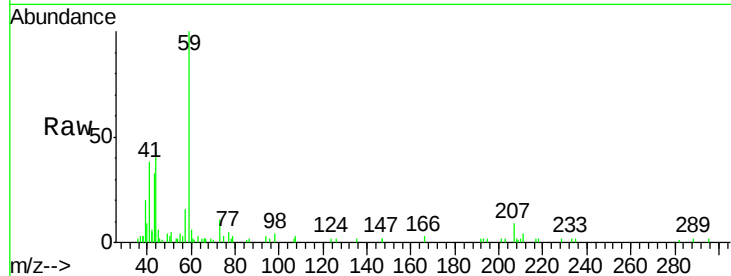
Tert butyl alcohol  
Concen: 86.65 ug/l  
RT: 2.67 min Scan# 217  
Delta R.T. 0.00 min  
Lab File: VF059378.D  
Acq: 29 Jun 2018 15:40

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0629SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 16.4  | 11.0  | 16.4  |

Manual Integrations  
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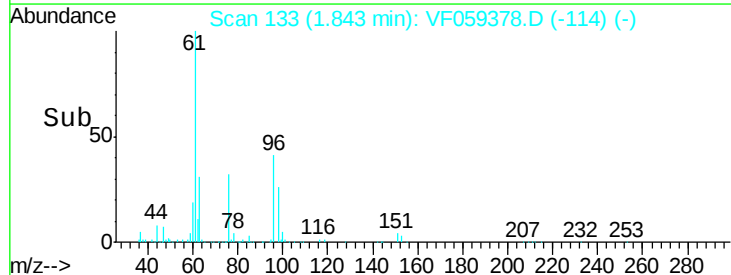
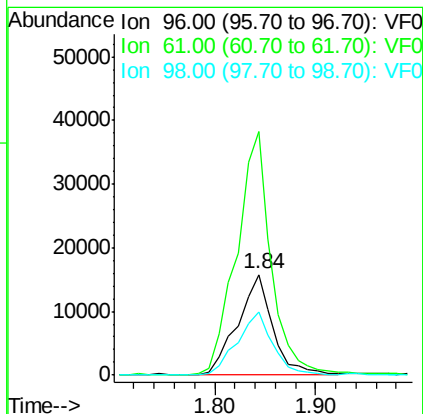
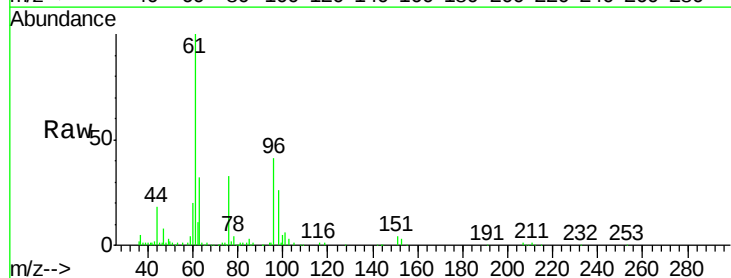
apatel  
7/2/2018 1:11:49 PM

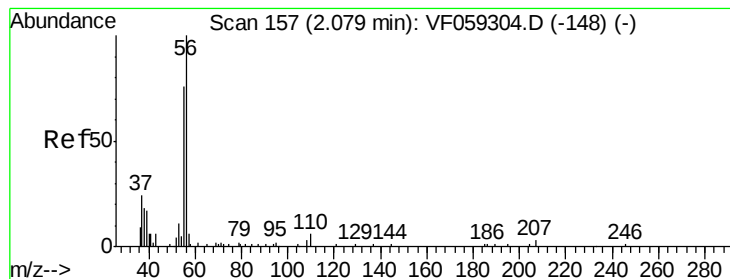


#12

1,1-Dichloroethene  
Concen: 21.40 ug/l  
RT: 1.84 min Scan# 133  
Delta R.T. -0.01 min  
Lab File: VF059378.D  
Acq: 29 Jun 2018 15:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 242.1 | 201.1 | 301.7 |
| 98      | 62.9  | 53.9  | 80.9  |





#13

Acrolein

Concen: 99.74 ug/l

RT: 2.08 min Scan# 157

Delta R.T. 0.00 min

Lab File: VF059378.D

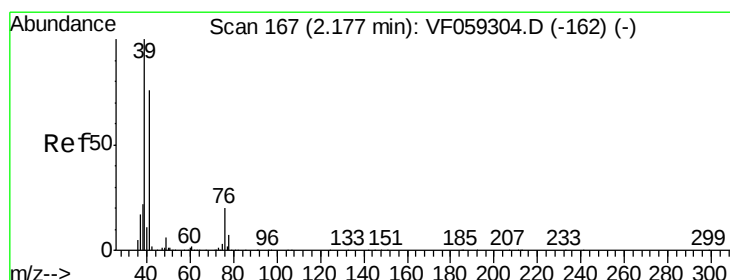
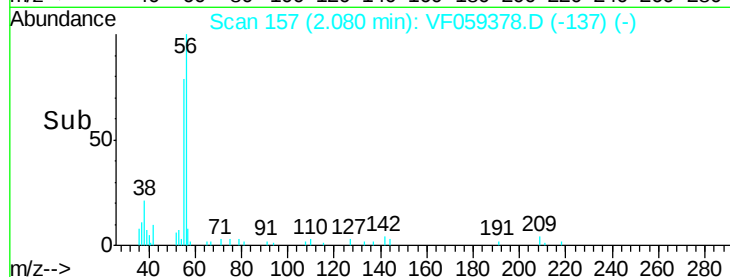
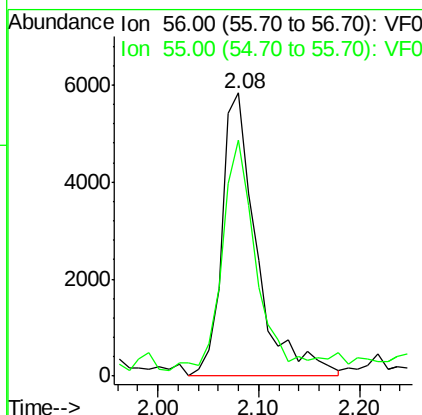
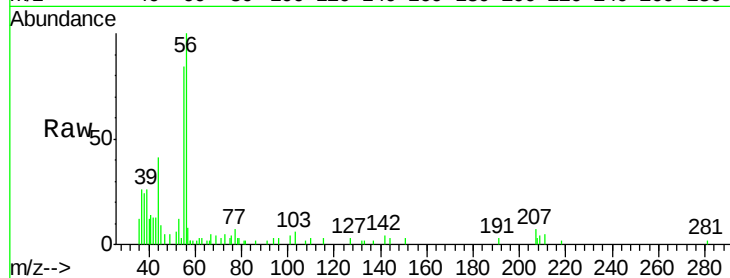
Acq: 29 Jun 2018 15:40

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 56    | Resp: | 14023 |
| Ion Ratio | Lower | Upper |       |
| 56        | 100   |       |       |
| 55        | 83.5  | 62.4  | 93.6  |

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0629SBS01

Manual Integrations  
APPROVED

apatel  
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#14

Allyl chloride

Concen: 21.80 ug/l

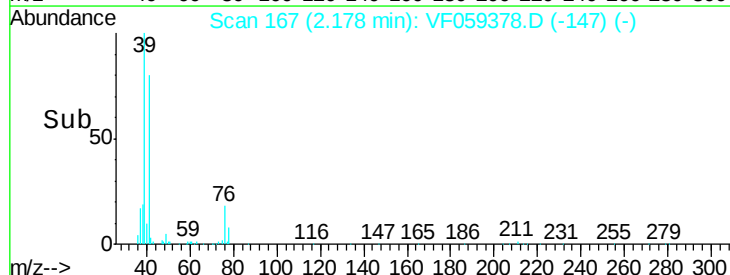
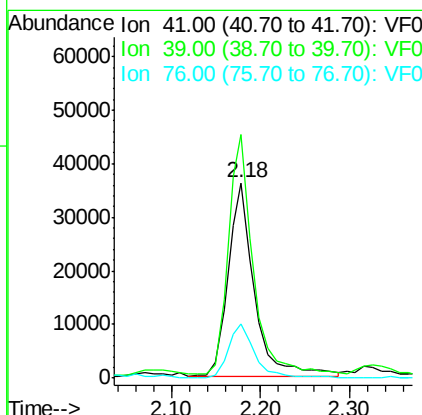
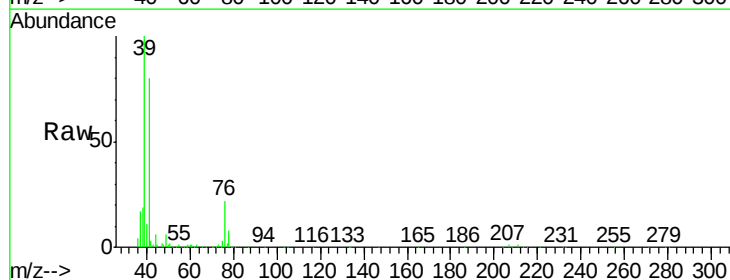
RT: 2.18 min Scan# 167

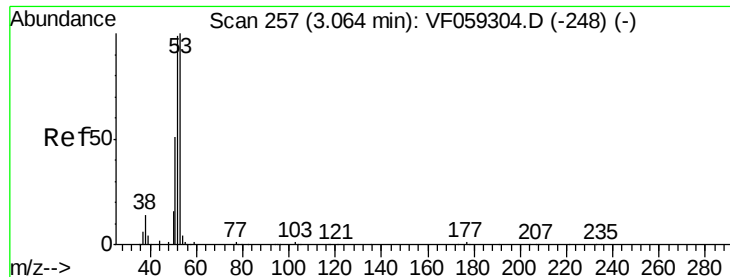
Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 41    | Resp: | 74080 |
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 39        | 124.6 | 105.6 | 158.4 |
| 76        | 27.9  | 21.6  | 32.4  |





#15

Acrylonitrile

Concen: 101.54 ug/l

RT: 3.06 min Scan# 256

Delta R.T. -0.01 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

Instrument :

MSVOA\_F

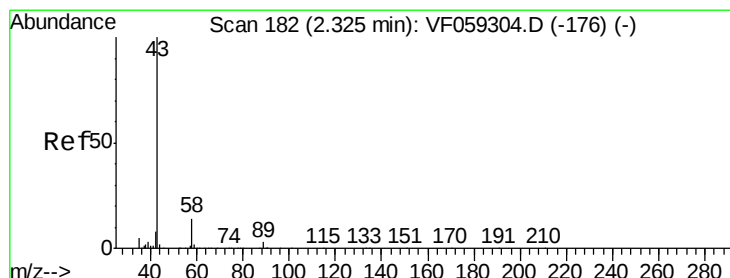
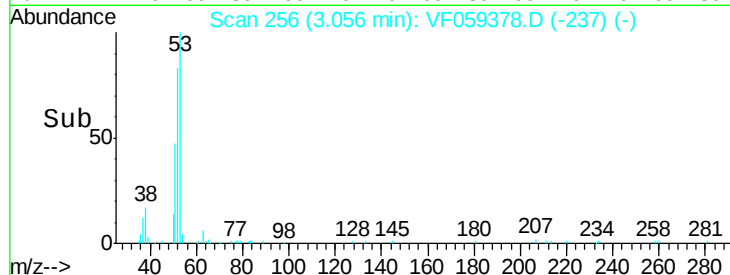
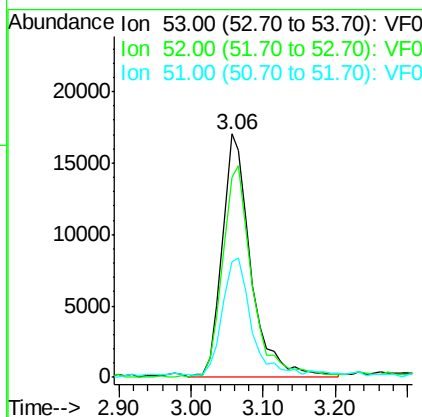
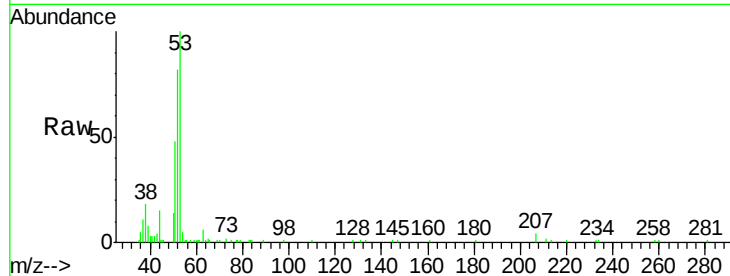
ClientSampleId :

VF0629SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 47224 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 82.0  | 79.2  | 118.8 |
| 51       | 47.6  | 40.9  | 61.3  |

Manual Integrations  
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#16

Acetone

Concen: 104.29 ug/l

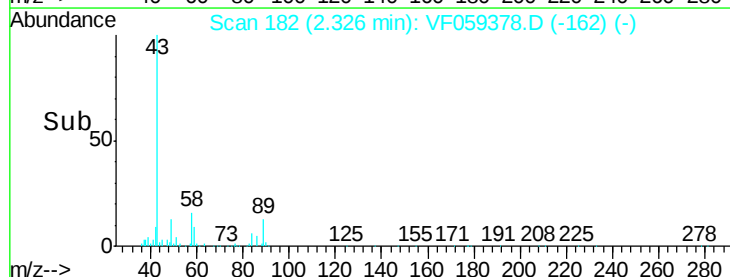
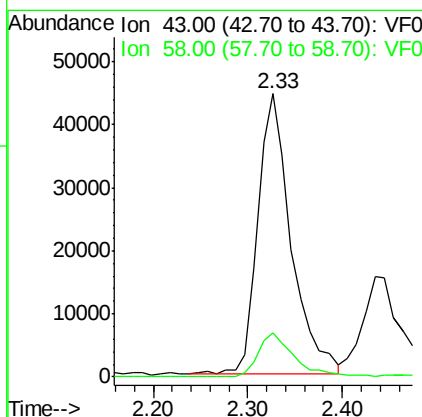
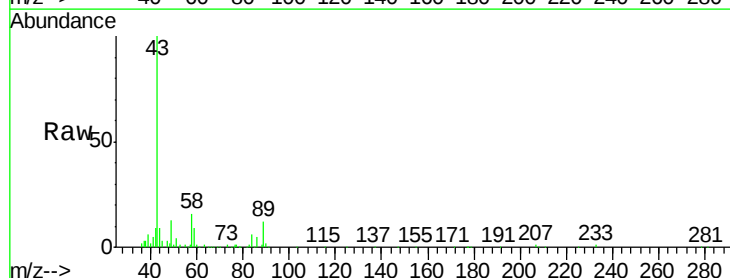
RT: 2.33 min Scan# 182

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 109209 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 15.5  | 11.4  | 17.0   |





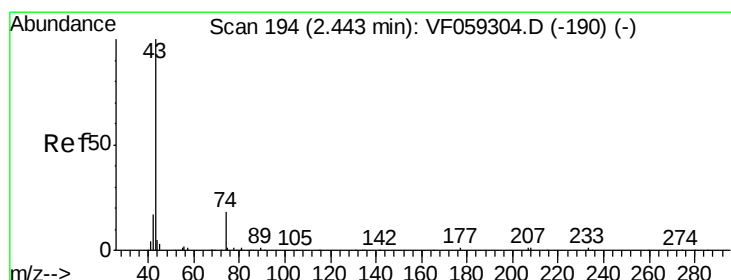
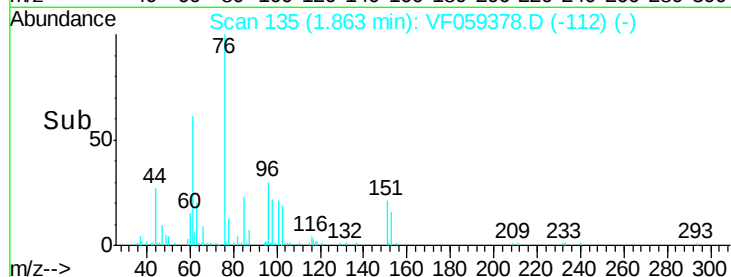
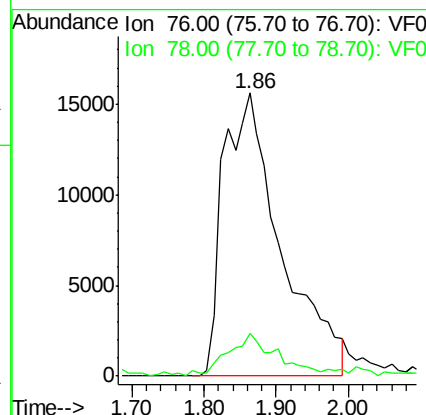
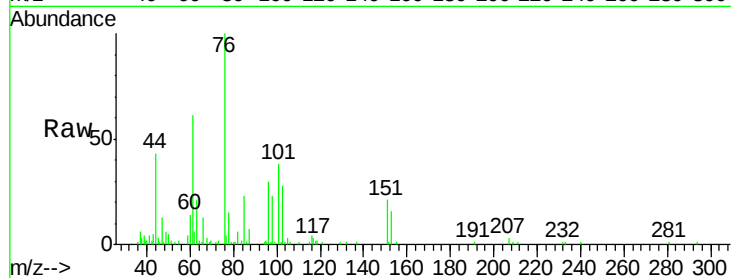
#17  
Carbon Disulfide  
Concen: 20.29 ug/l  
RT: 1.86 min Scan# 135  
Delta R.T. 0.03 min  
Lab File: VF059378.D  
Acq: 29 Jun 2018 15:40

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0629SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 15.2  | 8.9   | 13.3# |

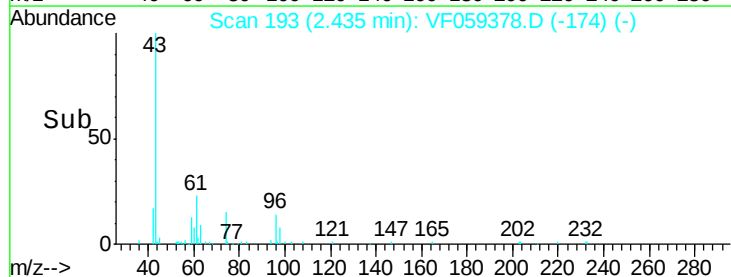
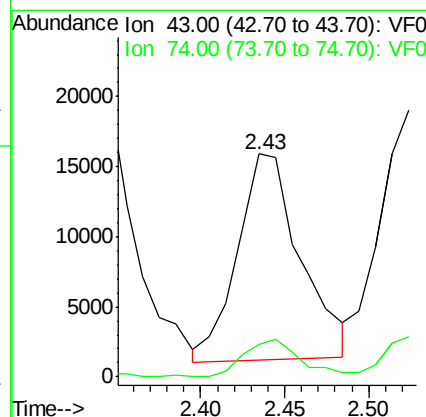
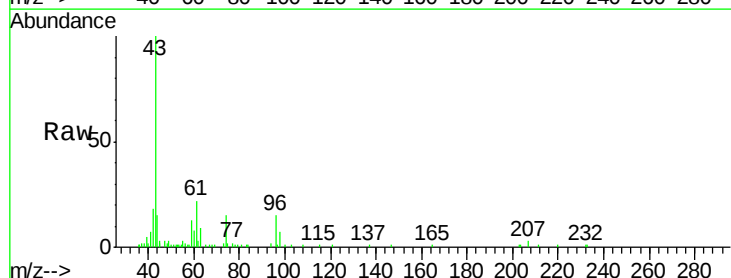
Manual Integrations  
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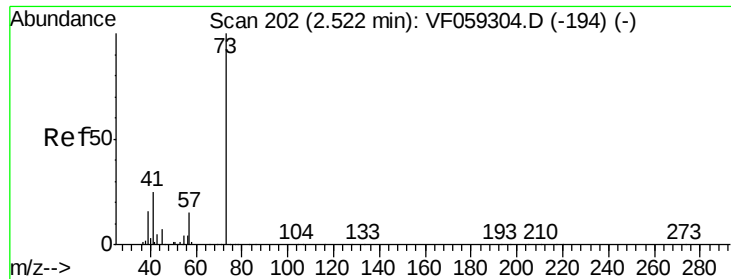
apatel  
7/2/2018 1:11:49 PM



#18  
Methyl Acetate  
Concen: 20.76 ug/l  
RT: 2.43 min Scan# 193  
Delta R.T. -0.01 min  
Lab File: VF059378.D  
Acq: 29 Jun 2018 15:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 14.5  | 13.3  | 19.9  |





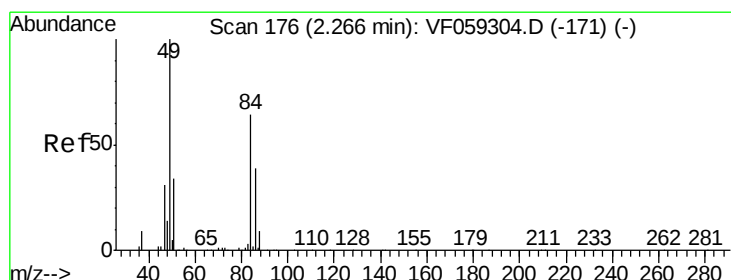
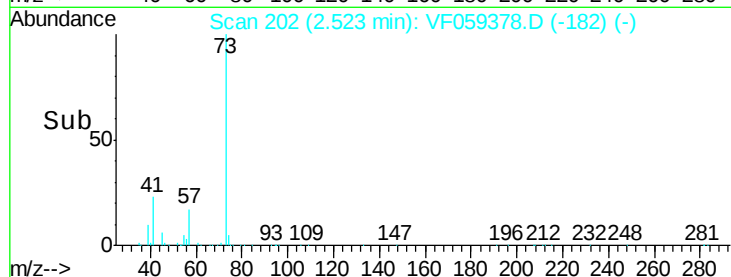
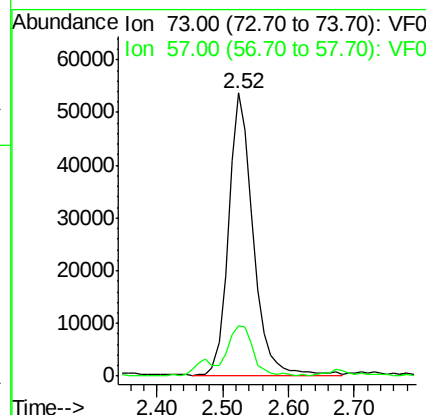
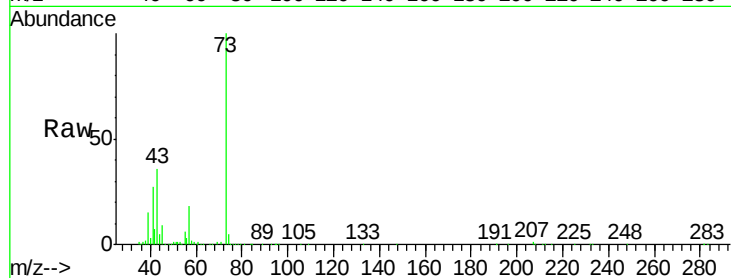
#19  
Methyl tert-butyl Ether  
Concen: 20.65 ug/l  
RT: 2.52 min Scan# 202  
Delta R.T. 0.00 min  
Lab File: VF059378.D  
Acq: 29 Jun 2018 15:40

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0629SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 18.0  | 12.3  | 18.5  |

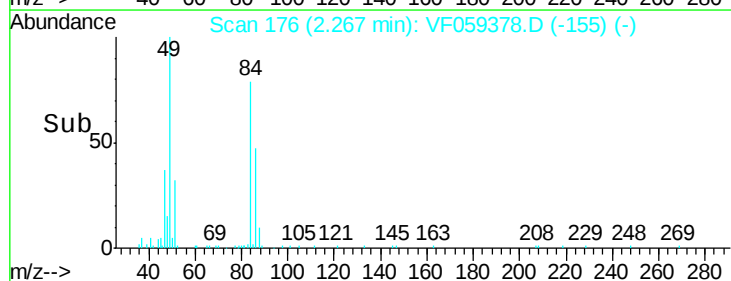
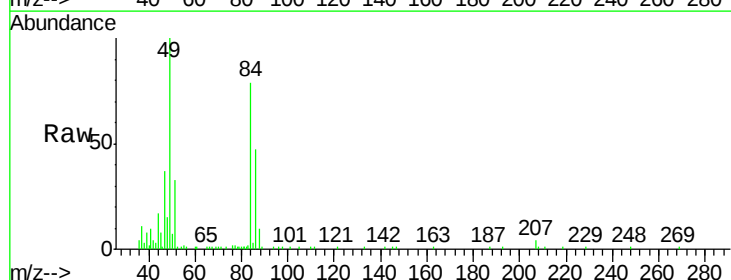
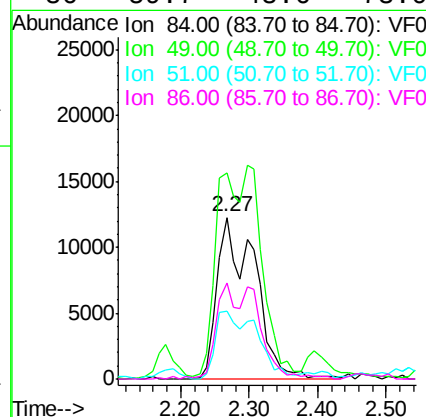
Manual Integrations  
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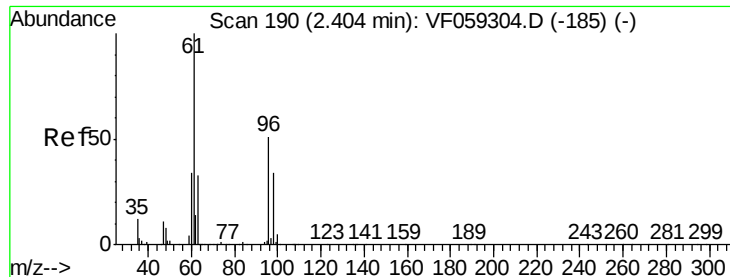
apatel  
7/2/2018 1:11:49 PM



#20  
Methylene Chloride  
Concen: 16.07 ug/l m  
RT: 2.27 min Scan# 176  
Delta R.T. 0.00 min  
Lab File: VF059378.D  
Acq: 29 Jun 2018 15:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 127.4 | 126.5 | 189.7 |
| 51      | 42.3  | 42.9  | 64.3# |
| 86      | 59.7  | 48.6  | 73.0  |





#21

trans-1,2-Dichloroethene

Concen: 20.69 ug/l

RT: 2.40 min Scan# 189

Delta R.T. -0.01 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

Instrument :

MSVOA\_F

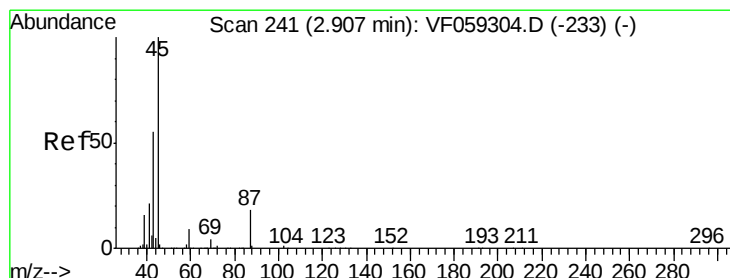
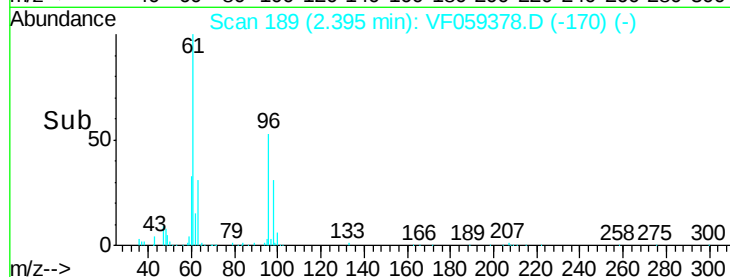
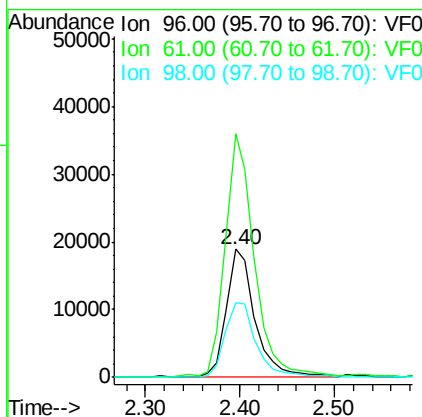
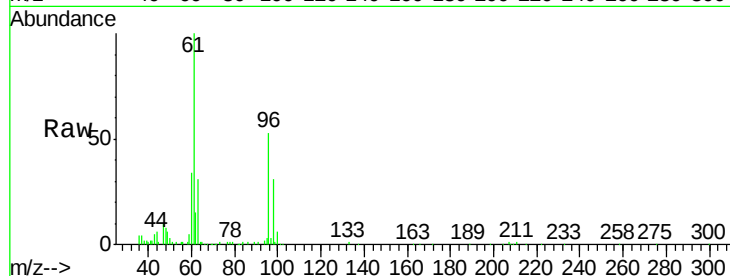
ClientSampleId :

VF0629SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 39958 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 190.4 | 157.4 | 236.2 |
| 98       | 60.2  | 53.7  | 80.5  |

Manual Integrations  
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apatel  
7/2/2018 1:11:49 PM



#22

Diisopropyl ether

Concen: 21.59 ug/l

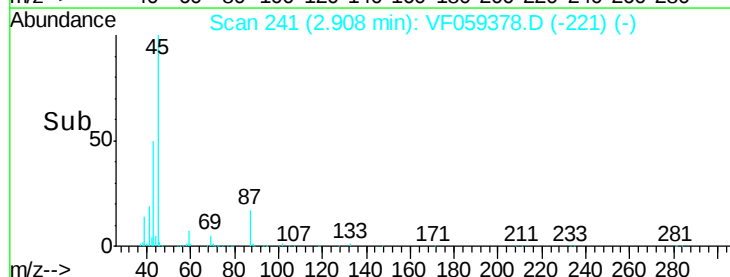
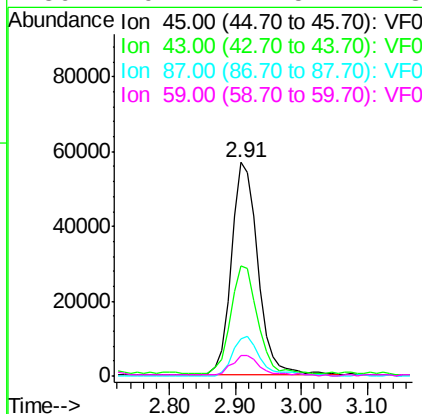
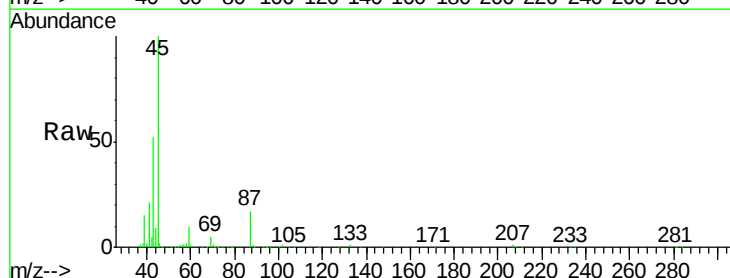
RT: 2.91 min Scan# 241

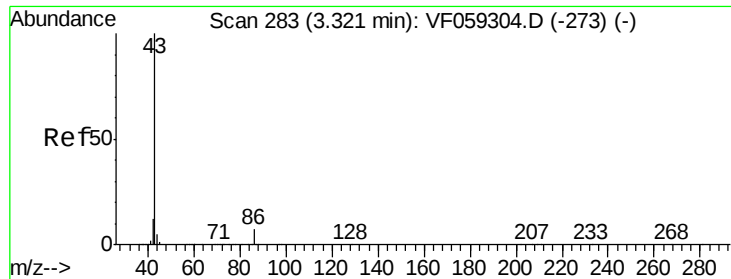
Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 162493 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 51.8  | 44.6  | 66.8   |
| 87       | 17.4  | 14.3  | 21.5   |
| 59       | 9.7   | 7.5   | 11.3   |





#23

Vinyl Acetate

Concen: 111.17 ug/l

RT: 3.32 min Scan# 283

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

Instrument :

MSVOA\_F

ClientSampleId :

VF0629SBS01

Tot Ion: 43 Resp: 532753

Ion Ratio Lower Upper

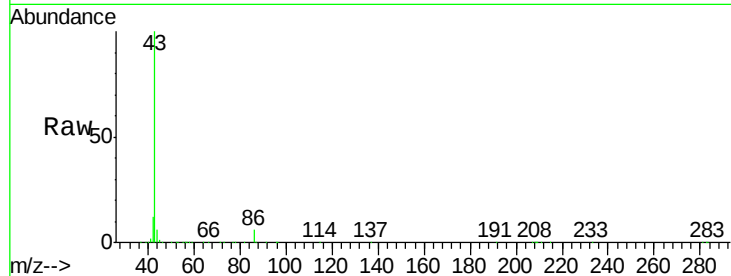
43 100

86 6.1 5.8 8.6

Manual Integrations  
APPROVED

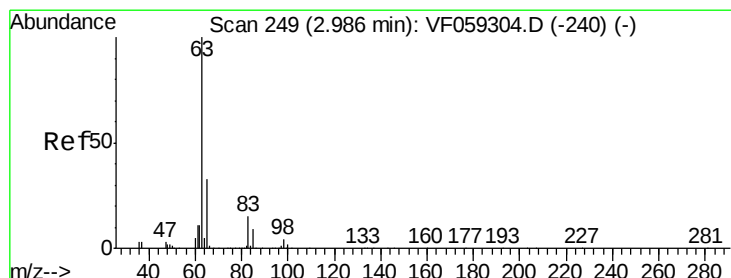
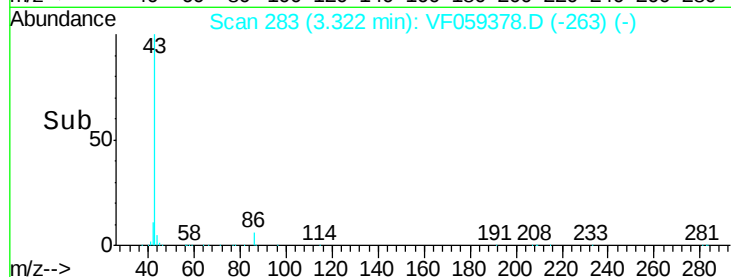
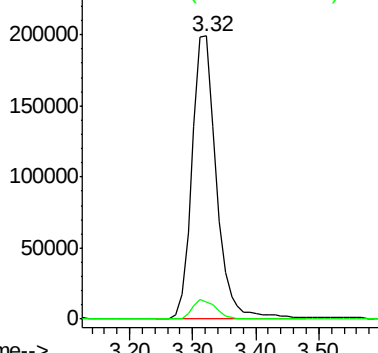
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 20.46 ug/l

RT: 2.99 min Scan# 249

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

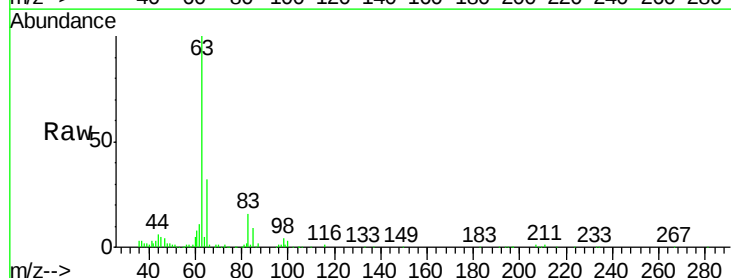
Tgt Ion: 63 Resp: 95441

Ion Ratio Lower Upper

63 100

98 3.5 2.0 6.0

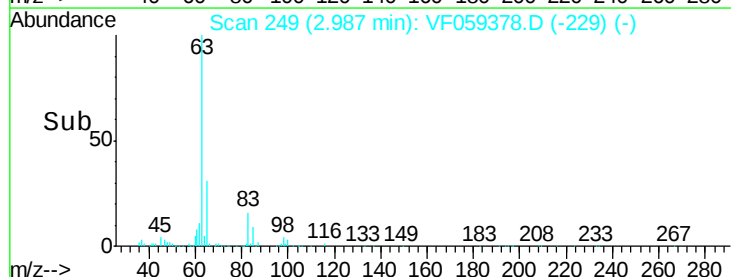
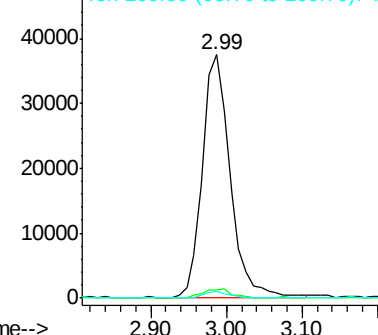
100 2.7 1.3 3.9

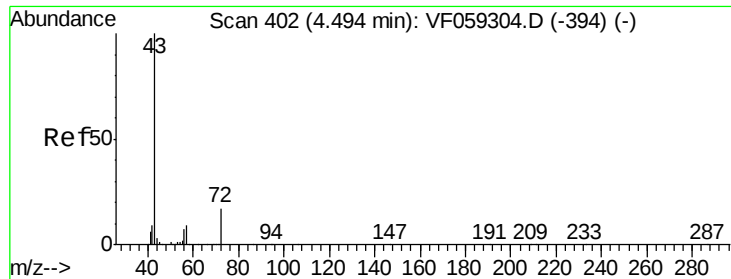


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 117.11 ug/l

RT: 4.49 min Scan# 402

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

Tot Ion: 43 Resp: 142294

Ion Ratio Lower Upper

43 100

72 18.9 14.4 21.6

Instrument :

MSVOA\_F

ClientSampleId :

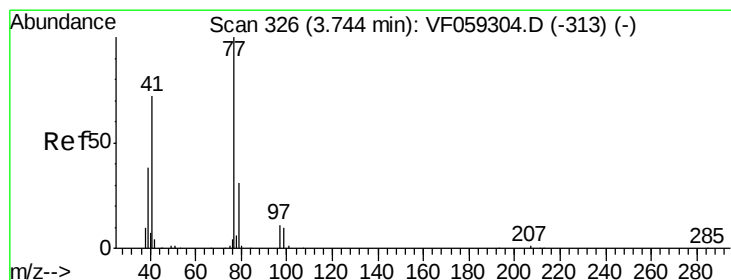
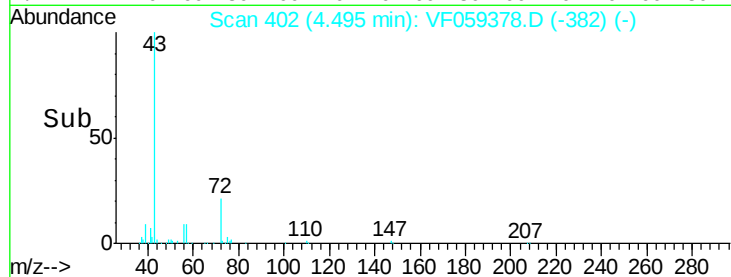
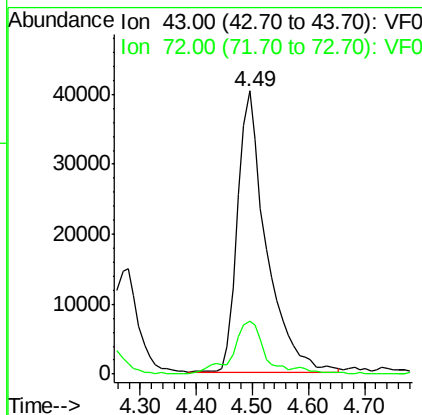
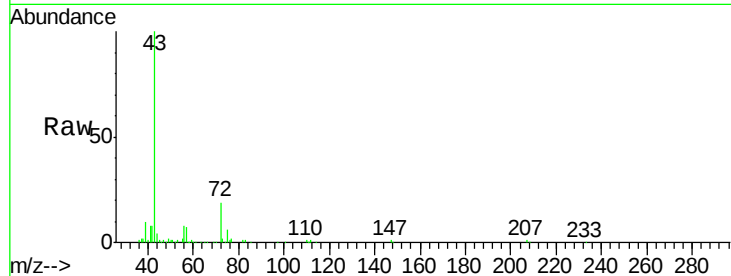
VF0629SBS01

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#26

2,2-Dichloropropane

Concen: 20.89 ug/l

RT: 3.75 min Scan# 326

Delta R.T. 0.00 min

Lab File: VF059378.D

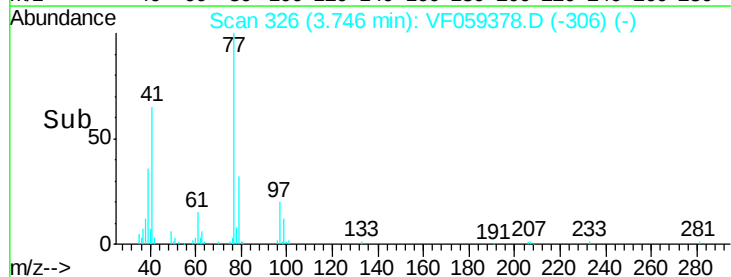
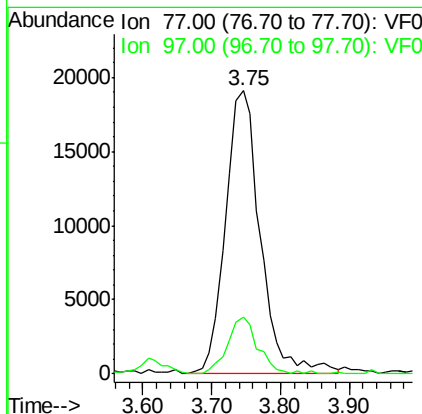
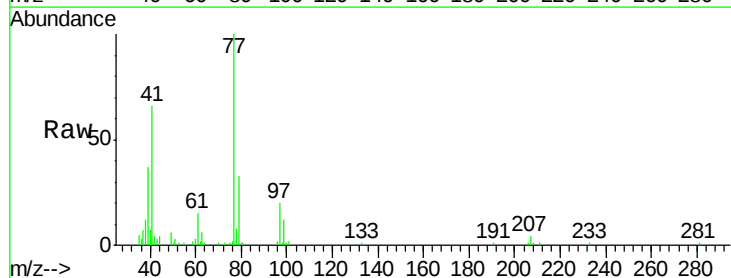
Acq: 29 Jun 2018 15:40

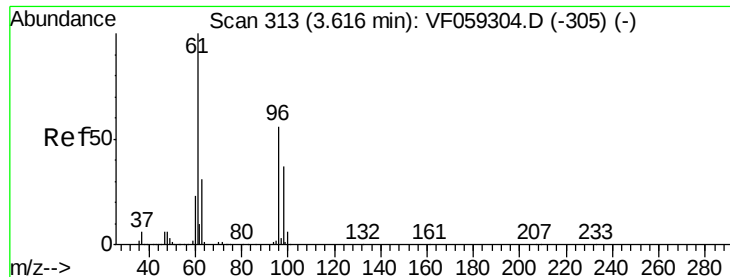
Tgt Ion: 77 Resp: 67224

Ion Ratio Lower Upper

77 100

97 19.9 8.0 23.8





#27

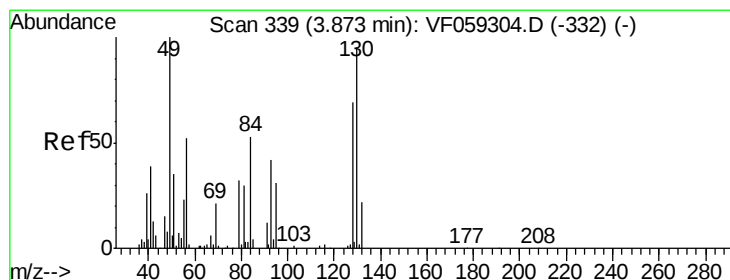
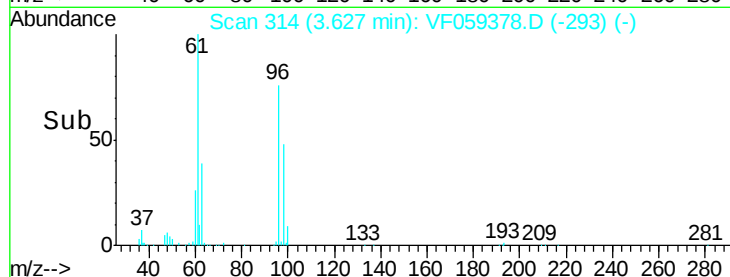
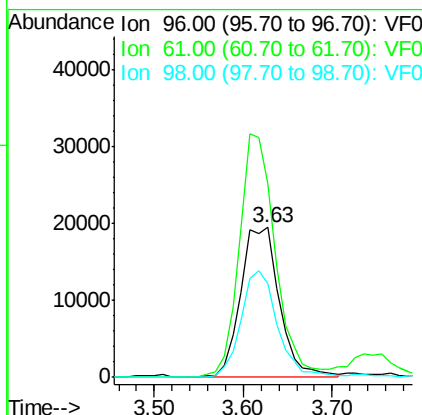
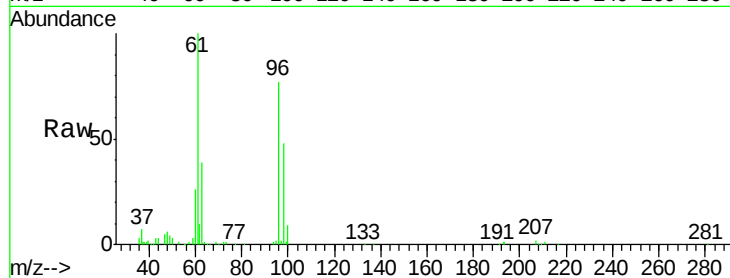
cis-1,2-Dichloroethene  
Concen: 20.07 ug/l  
RT: 3.63 min Scan# 314  
Delta R.T. 0.01 min  
Lab File: VF059378.D  
Acq: 29 Jun 2018 15:40

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0629SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 129.9 | 0.0   | 355.4 |
| 98      | 62.7  | 0.0   | 131.0 |

Manual Integrations  
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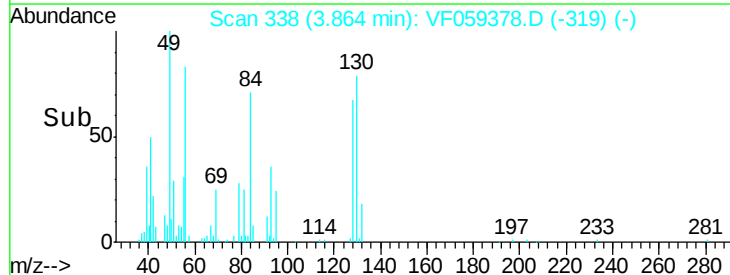
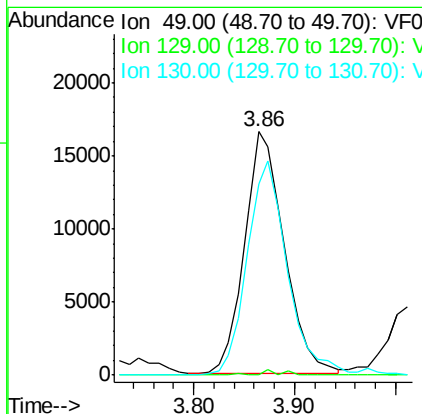
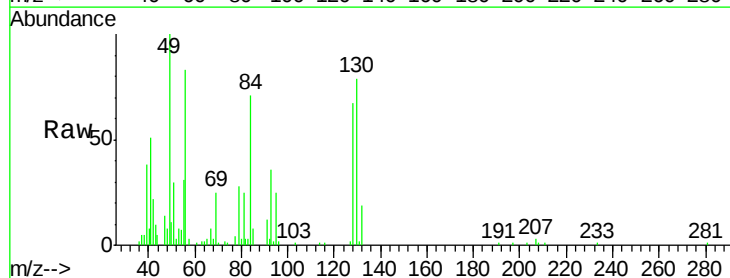
apatel  
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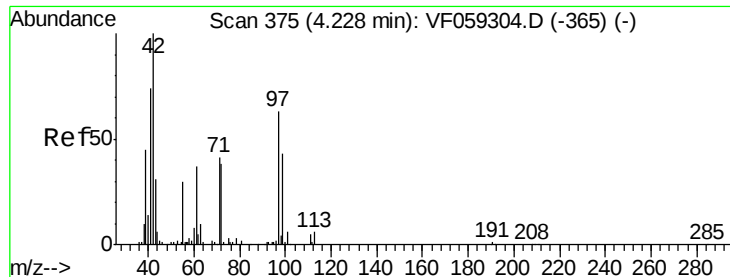


#28

Bromochloromethane  
Concen: 23.12 ug/l  
RT: 3.86 min Scan# 338  
Delta R.T. -0.01 min  
Lab File: VF059378.D  
Acq: 29 Jun 2018 15:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 0.0   | 0.0   | 6.4   |
| 130     | 78.6  | 75.1  | 112.7 |





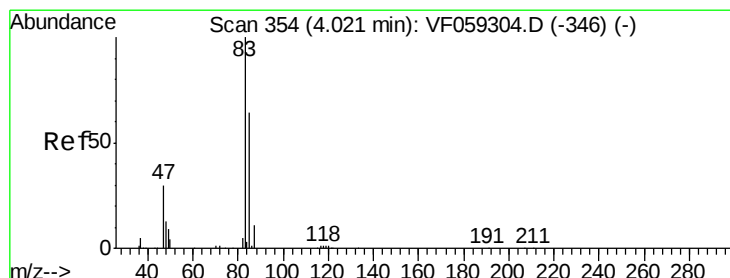
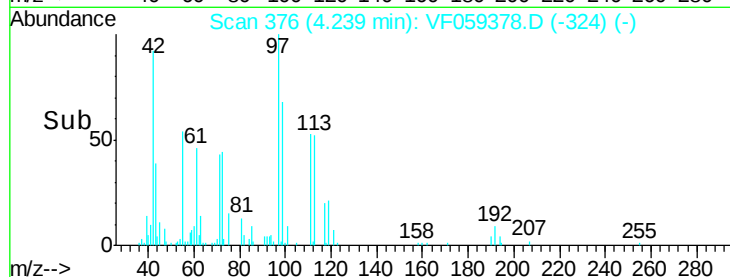
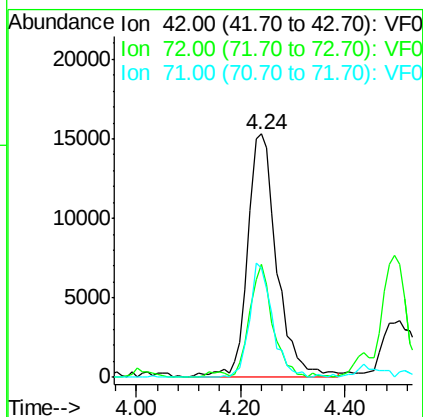
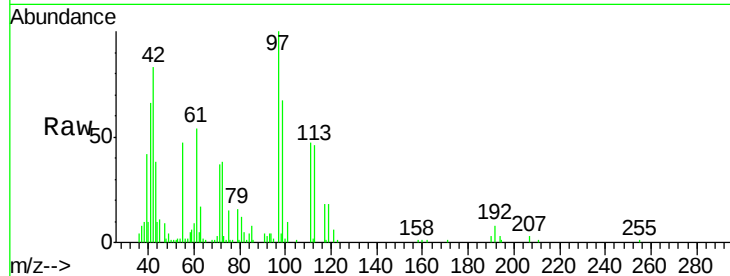
#29  
Tetrahydrofuran  
Concen: 108.92 ug/l  
RT: 4.24 min Scan# 376  
Delta R.T. 0.01 min  
Lab File: VF059378.D  
Acq: 29 Jun 2018 15:40

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0629SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 36.4  | 30.5  | 45.7  |
| 71      | 36.2  | 32.5  | 48.7  |

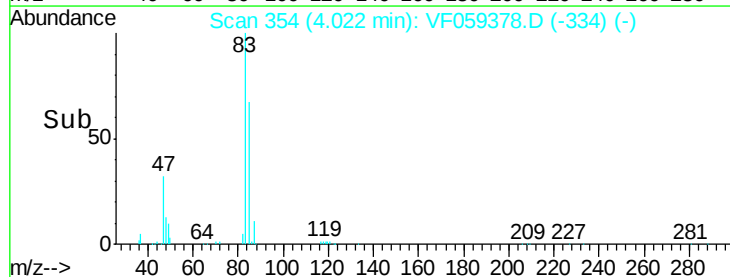
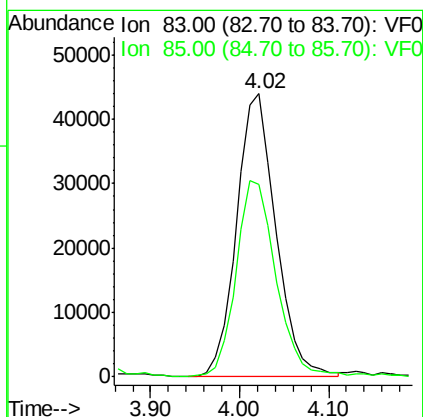
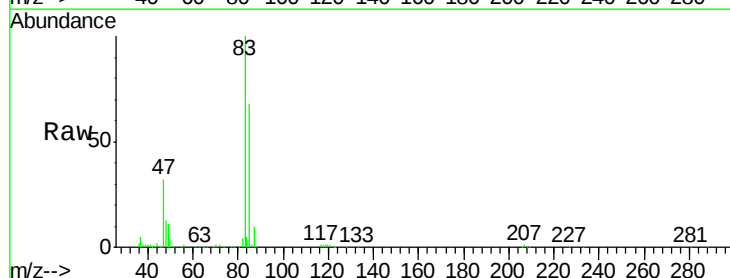
Manual Integrations  
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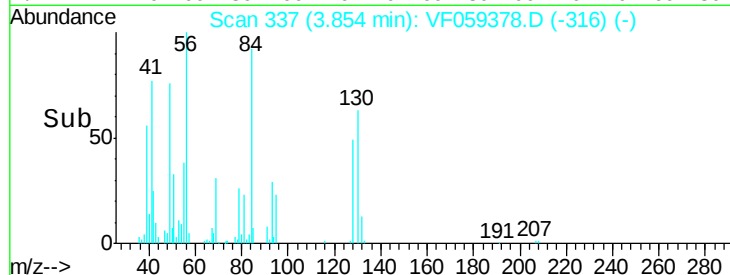
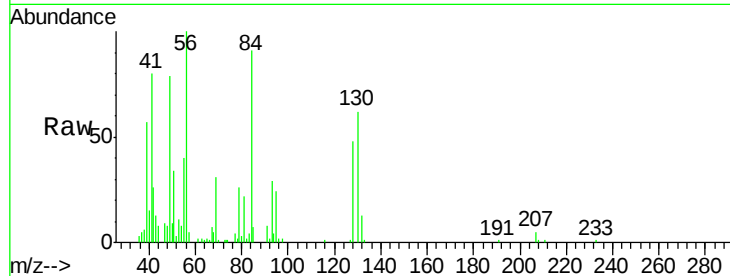
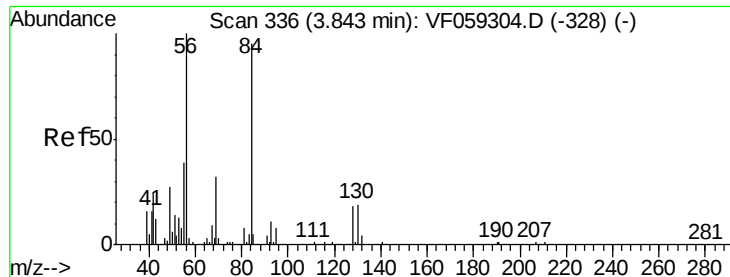
apatel  
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#30  
Chloroform  
Concen: 19.98 ug/l  
RT: 4.02 min Scan# 354  
Delta R.T. 0.00 min  
Lab File: VF059378.D  
Acq: 29 Jun 2018 15:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 67.8  | 51.3  | 76.9  |





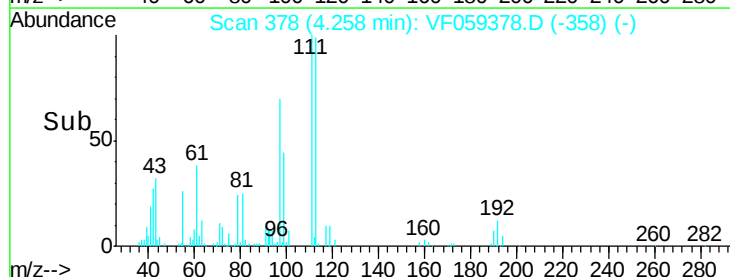
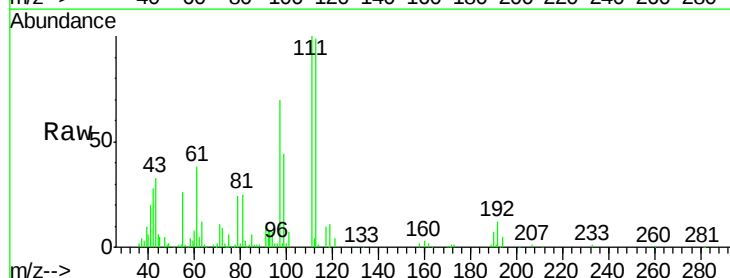
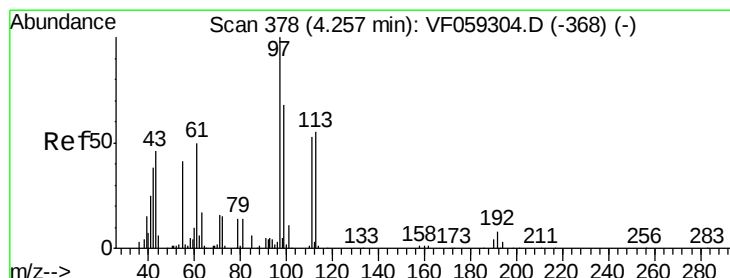
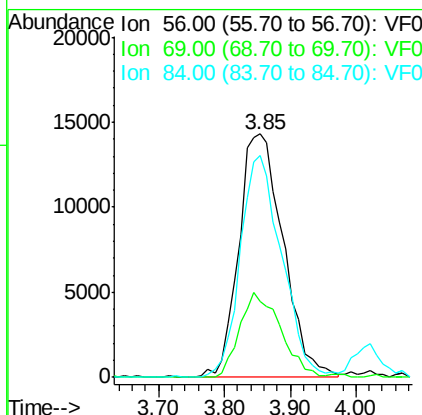
#31  
Cyclohexane  
Concen: 22.14 ug/l  
RT: 3.85 min Scan# 337  
Delta R.T. 0.01 min  
Lab File: VF059378.D  
Acq: 29 Jun 2018 15:40

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 56      | 100  |       | 67675 |       |       |
| 69      | 31.2 | 25.8  |       | 38.8  |       |
| 84      | 91.2 | 75.6  |       | 113.4 |       |

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0629SBS01

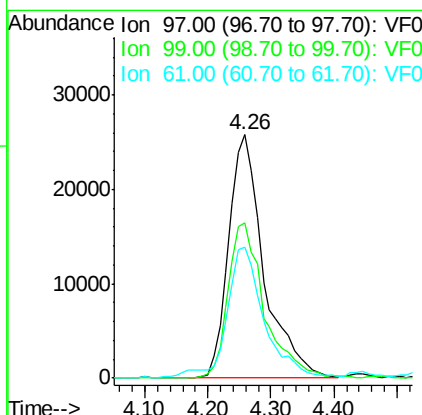
Manual Integrations  
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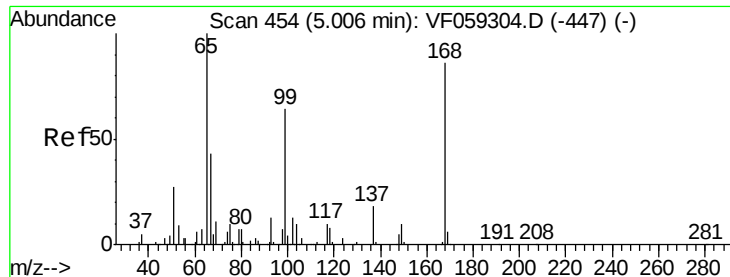
apatel  
7/2/2018 1:11:49 PM



#32  
1,1,1-Trichloroethane  
Concen: 20.20 ug/l  
RT: 4.26 min Scan# 378  
Delta R.T. 0.00 min  
Lab File: VF059378.D  
Acq: 29 Jun 2018 15:40

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 97      | 100  |       | 99846 |       |       |
| 99      | 63.6 | 54.1  |       | 81.1  |       |
| 61      | 53.7 | 41.2  |       | 61.8  |       |





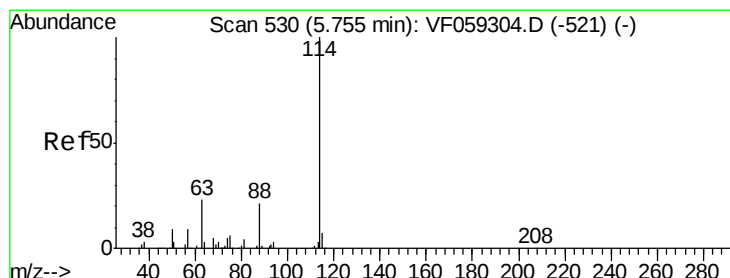
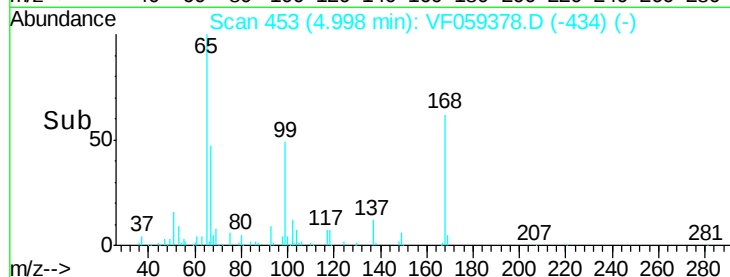
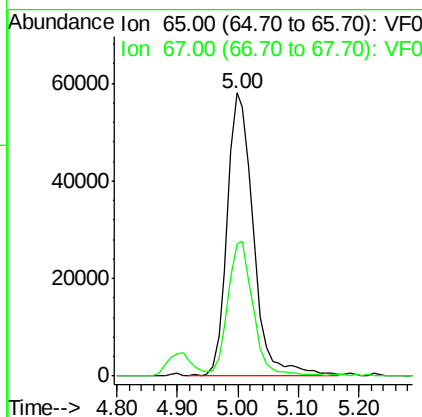
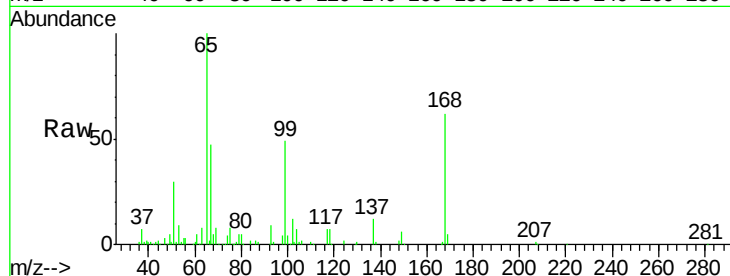
#33  
 1,2-Dichloroethane-d4  
 Concen: 43.50 ug/l  
 RT: 5.00 min Scan# 453  
 Delta R.T. -0.01 min  
 Lab File: VF059378.D  
 Acq: 29 Jun 2018 15:40

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0629SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 172557 |       |       |
| 67      | 46.9  | 0.0    | 96.8  |       |

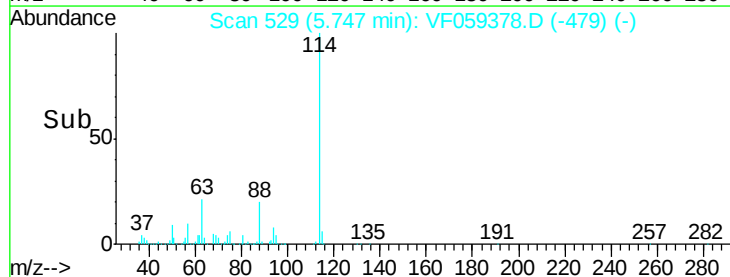
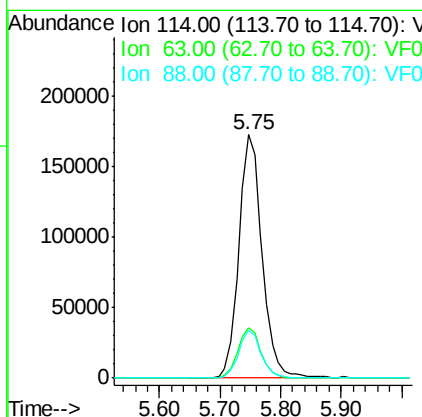
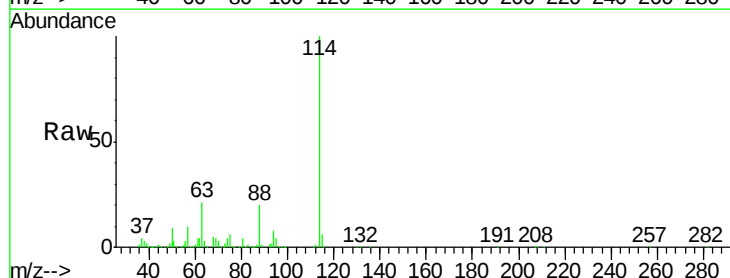
Manual Integrations  
 APPROVED

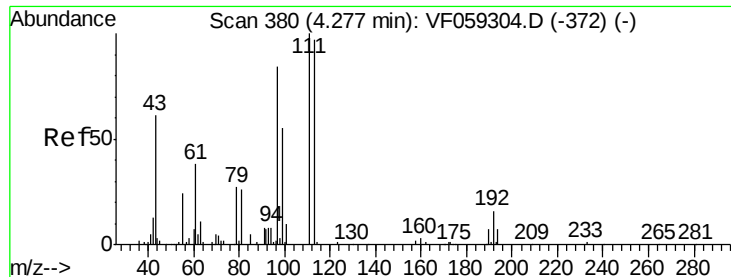
apatel  
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#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 5.75 min Scan# 529  
 Delta R.T. -0.01 min  
 Lab File: VF059378.D  
 Acq: 29 Jun 2018 15:40

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 459484 |       |       |
| 63      | 20.6  | 0.0    | 45.8  |       |
| 88      | 19.7  | 0.0    | 41.2  |       |





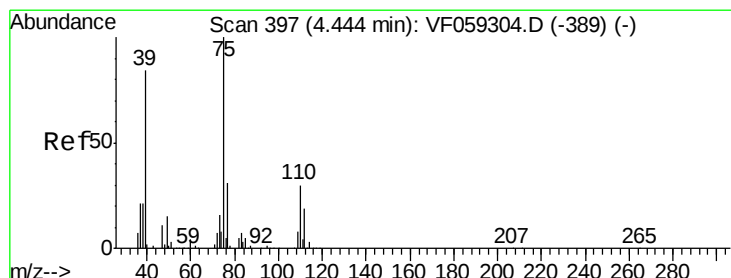
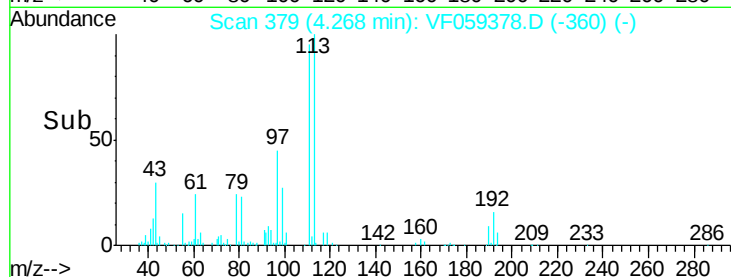
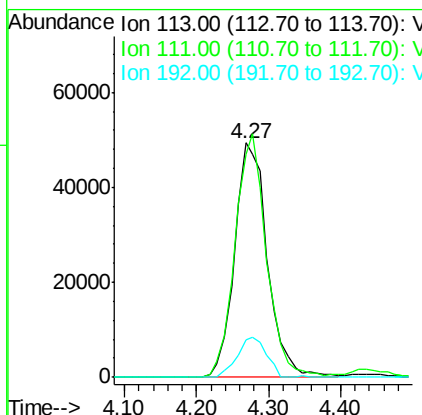
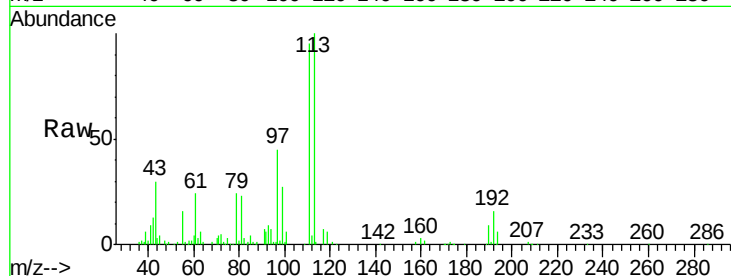
#35  
Dibromofluoromethane  
Concen: 46.65 ug/l  
RT: 4.27 min Scan# 379  
Delta R.T. -0.01 min  
Lab File: VF059378.D  
Acq: 29 Jun 2018 15:40

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0629SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 156629 |       |       |
| 111     | 95.3  | 82.1   | 123.1 |       |
| 192     | 16.1  | 13.0   | 19.6  |       |

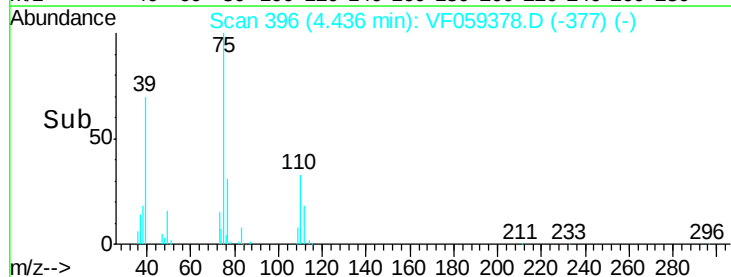
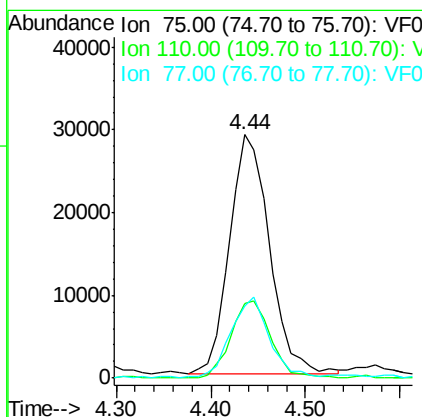
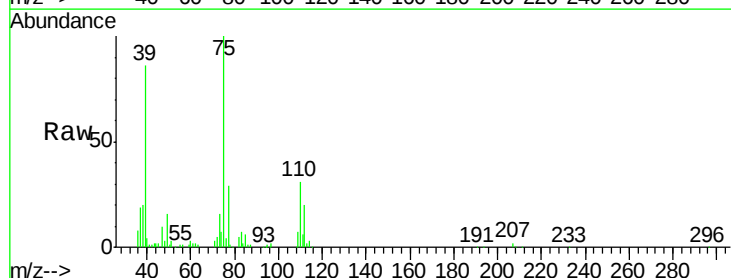
Manual Integrations  
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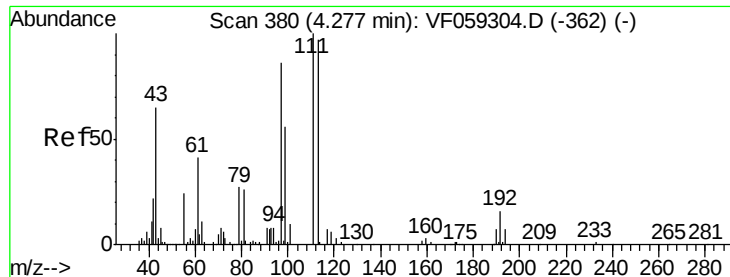
apatel  
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#36  
1,1-Dichloropropene  
Concen: 21.26 ug/l  
RT: 4.44 min Scan# 396  
Delta R.T. -0.01 min  
Lab File: VF059378.D  
Acq: 29 Jun 2018 15:40

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 85334 |       |       |
| 110     | 30.7  | 14.8  | 44.4  |       |
| 77      | 29.4  | 25.2  | 37.8  |       |





#37

Ethyl Acetate

Concen: 23.06 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

Instrument :

MSVOA\_F

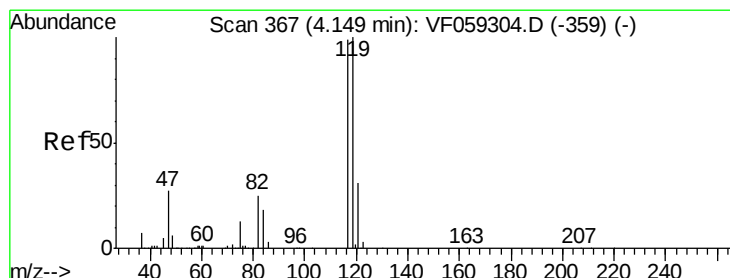
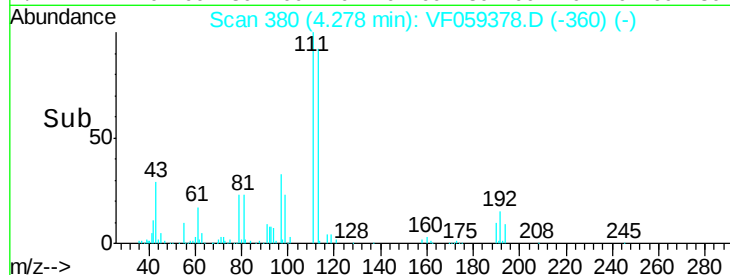
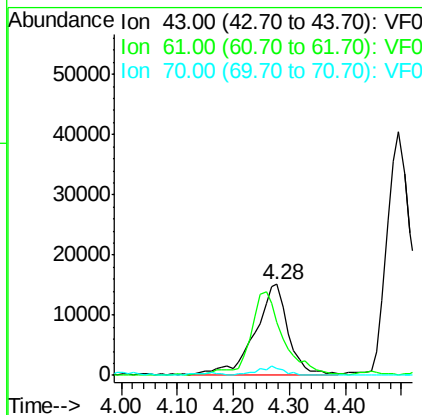
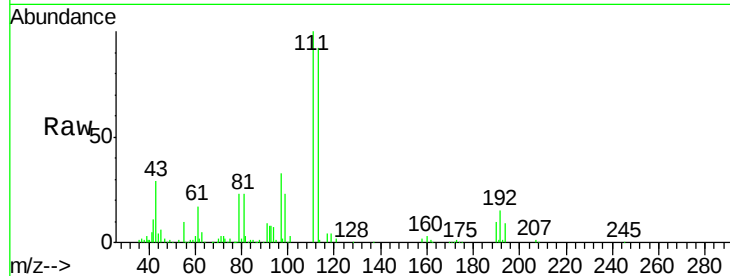
ClientSampled :

VF0629SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 61252 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 58.3  | 50.1  | 75.1  |
| 70       | 7.8   | 6.2   | 9.4   |

Manual Integrations  
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apatel  
7/2/2018 1:11:49 PM



#38

Carbon Tetrachloride

Concen: 21.06 ug/l

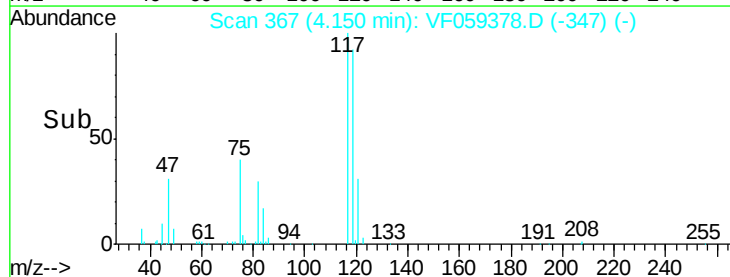
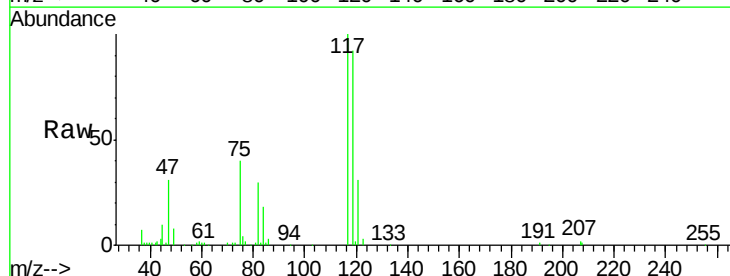
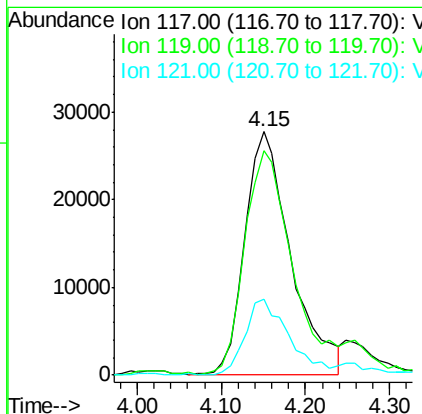
RT: 4.15 min Scan# 367

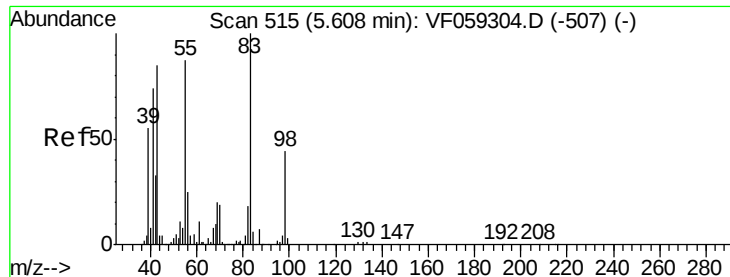
Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 106688 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 92.0  | 81.0  | 121.4  |
| 121      | 31.4  | 24.7  | 37.1   |





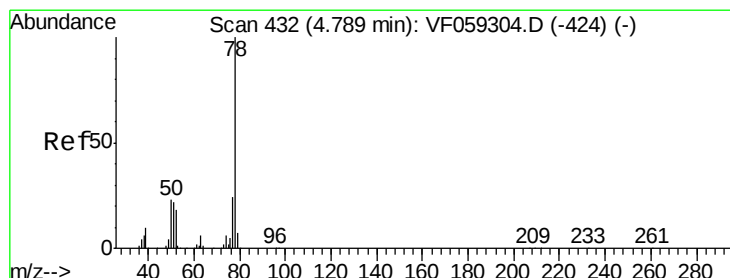
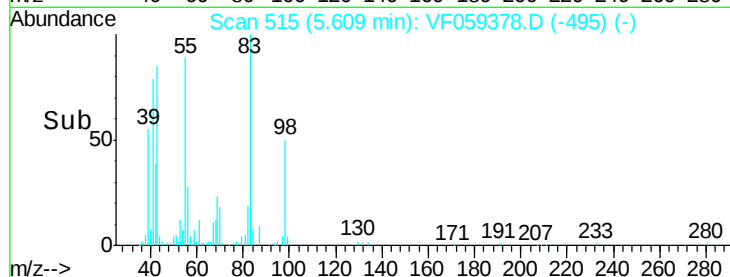
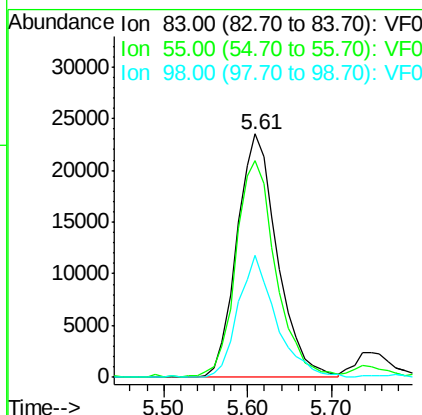
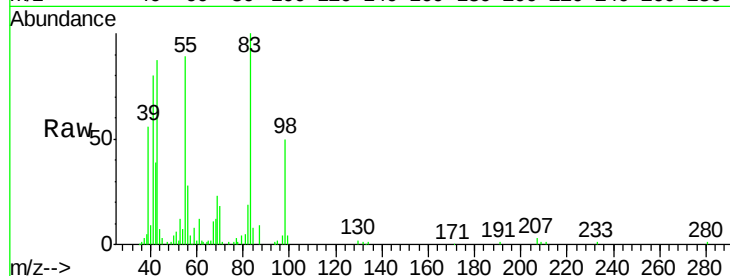
#39  
Methvlcvclohexane  
Concen: 22.14 ug/l  
RT: 5.61 min Scan# 515  
Delta R.T. 0.00 min  
Lab File: VF059378.D  
Acq: 29 Jun 2018 15:40

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0629SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 89.2  | 69.2  | 103.8 |
| 98      | 50.3  | 35.0  | 52.6  |

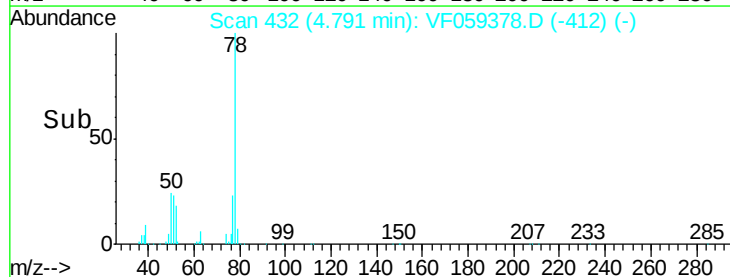
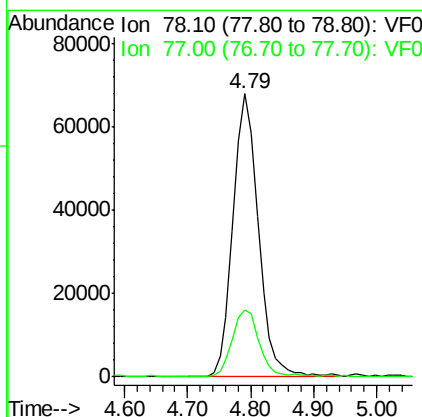
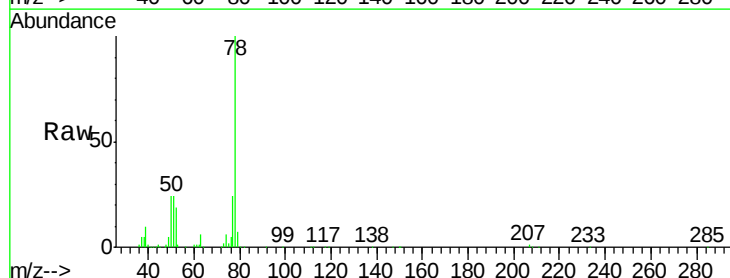
Manual Integrations  
APPROVED

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#40  
Benzene  
Concen: 21.30 ug/l  
RT: 4.79 min Scan# 432  
Delta R.T. 0.00 min  
Lab File: VF059378.D  
Acq: 29 Jun 2018 15:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.6  | 19.6  | 29.4  |





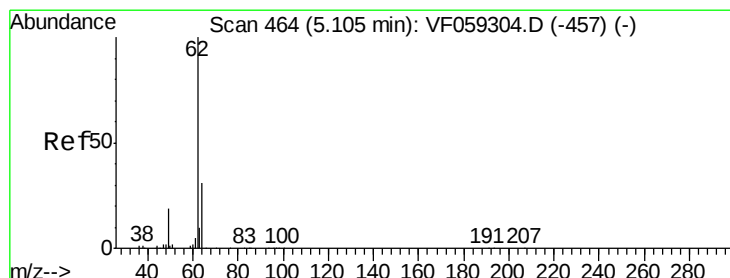
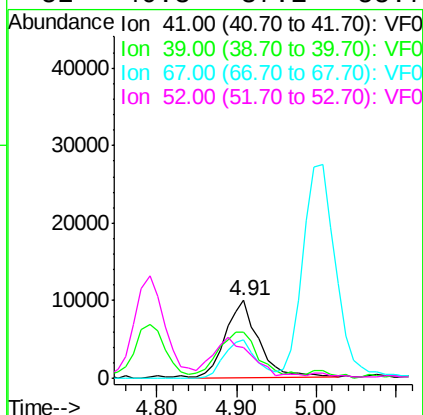
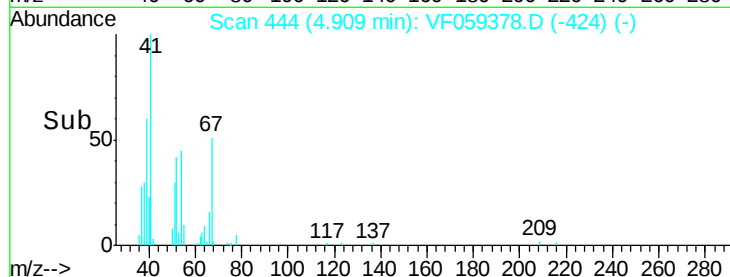
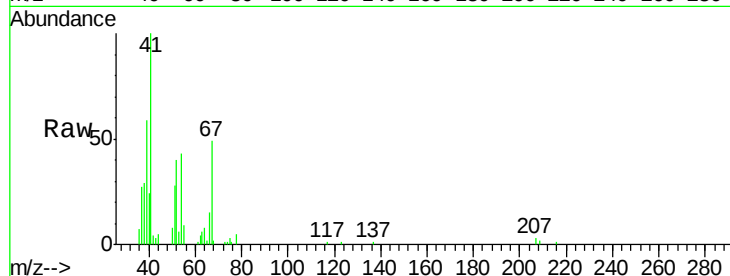
#41  
Methacrylonitrile  
Concen: 21.36 ug/l  
RT: 4.91 min Scan# 444  
Delta R.T. 0.00 min  
Lab File: VF059378.D  
Acq: 29 Jun 2018 15:40

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0629SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 59.2  | 50.0  | 75.0  |
| 67      | 48.9  | 37.0  | 55.6  |
| 52      | 40.3  | 37.1  | 55.7  |

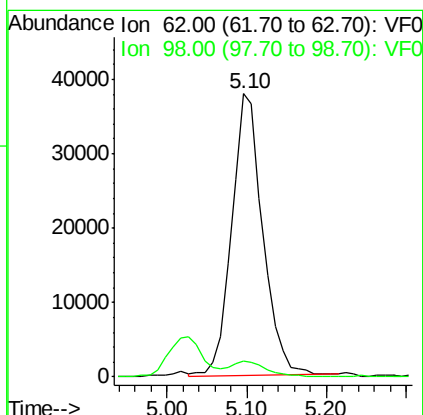
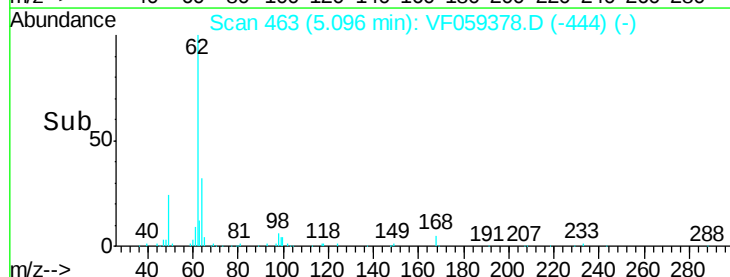
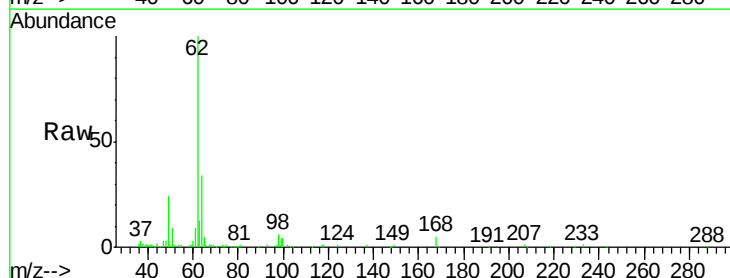
Manual Integrations  
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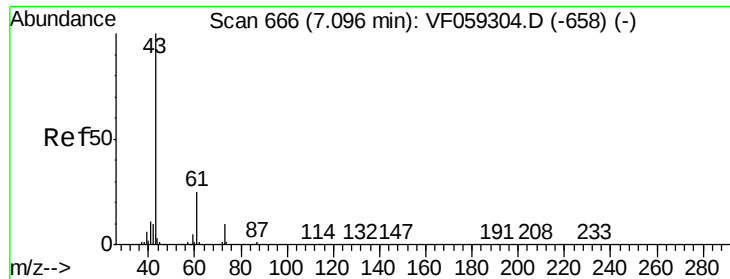
apatel  
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#42  
1,2-Dichloroethane  
Concen: 19.74 ug/l  
RT: 5.10 min Scan# 463  
Delta R.T. -0.01 min  
Lab File: VF059378.D  
Acq: 29 Jun 2018 15:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 5.6   | 0.0   | 11.4  |





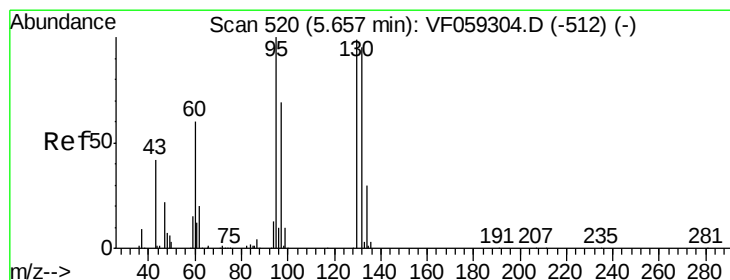
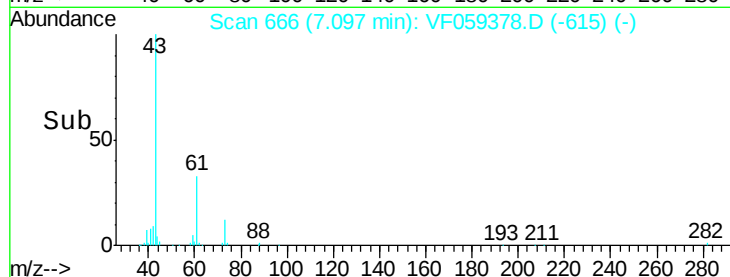
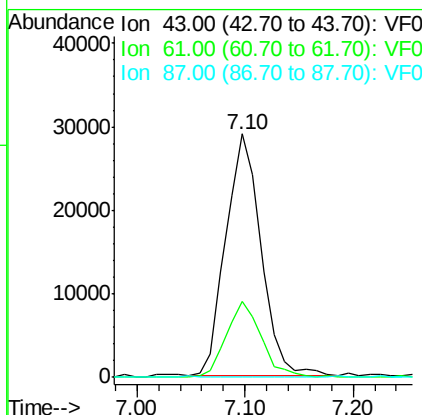
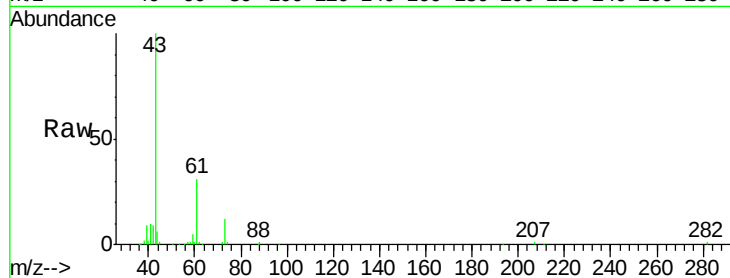
#43  
Isopropyl Acetate  
Concen: 19.73 ug/l  
RT: 7.10 min Scan# 666  
Delta R.T. 0.00 min  
Lab File: VF059378.D  
Acq: 29 Jun 2018 15:40

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0629SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 31.3  | 19.7  | 29.5# |
| 87      | 0.4   | 0.5   | 0.7#  |

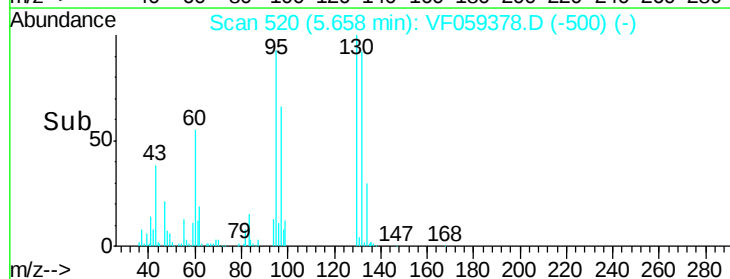
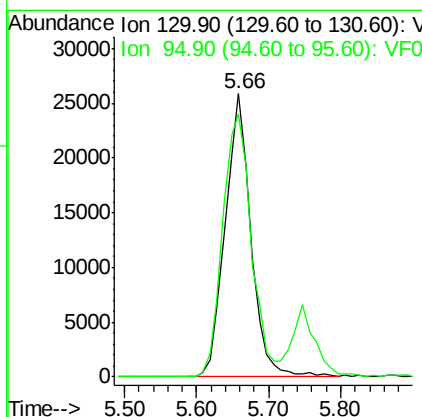
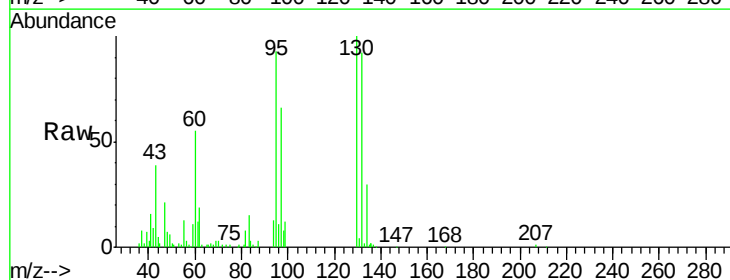
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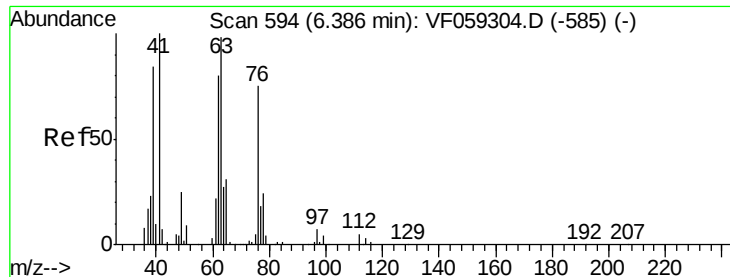
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#44  
Trichloroethene  
Concen: 20.99 ug/l  
RT: 5.66 min Scan# 520  
Delta R.T. 0.00 min  
Lab File: VF059378.D  
Acq: 29 Jun 2018 15:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 92.7  | 0.0   | 202.4 |





#45

1,2-Dichloropropane

Concen: 21.40 ug/l

RT: 6.39 min Scan# 594

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

Instrument :

MSVOA\_F

ClientSampleId :

VF0629SBS01

Tot Ion: 63 Resp: 54409

Ion Ratio Lower Upper

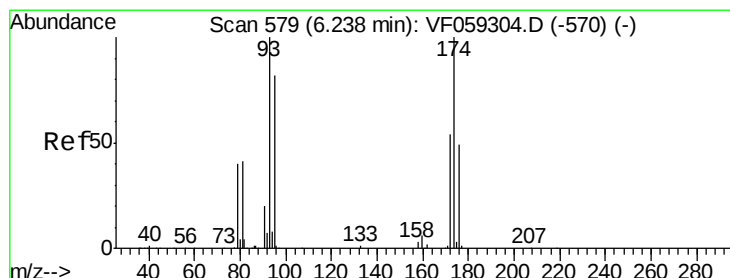
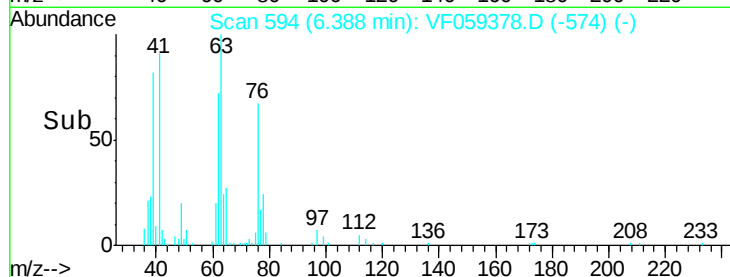
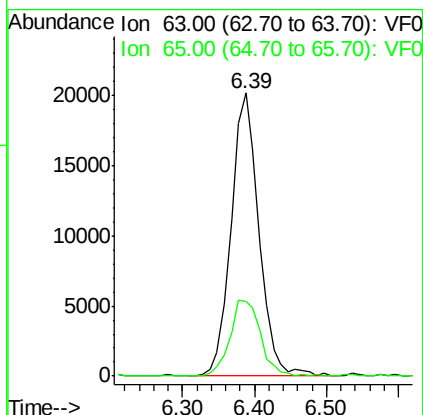
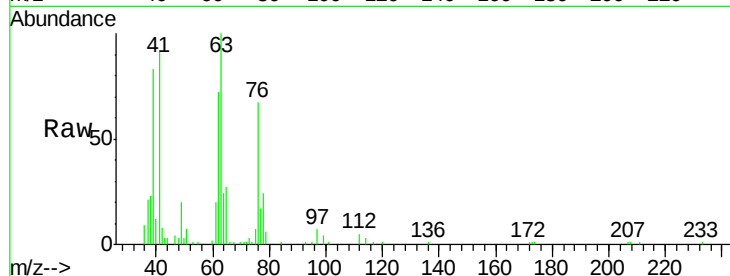
63 100

65 26.6 25.3 37.9

Manual Integrations  
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#46

Dibromomethane

Concen: 21.16 ug/l

RT: 6.24 min Scan# 579

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

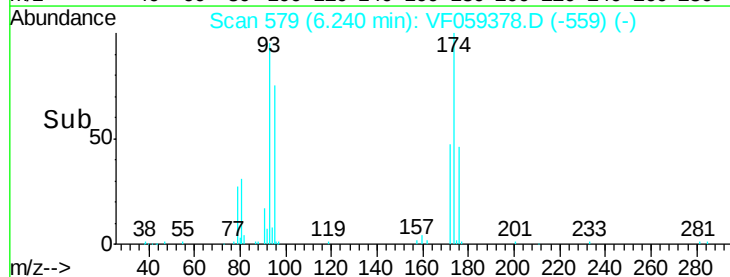
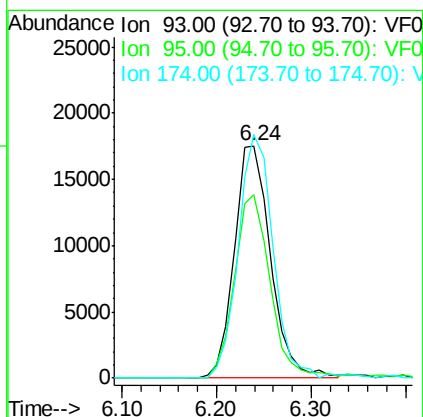
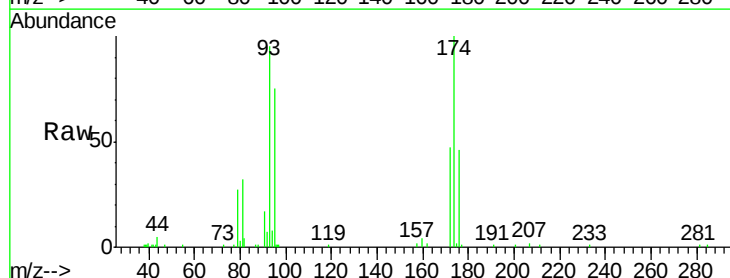
Tgt Ion: 93 Resp: 46703

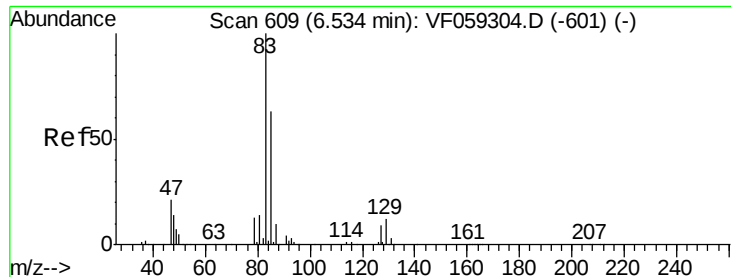
Ion Ratio Lower Upper

93 100

95 79.0 65.6 98.4

174 104.7 80.0 120.0





#47

Bromodichloromethane

Concen: 20.89 ug/l

RT: 6.53 min Scan# 608

Delta R.T. -0.01 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

Instrument :

MSVOA\_F

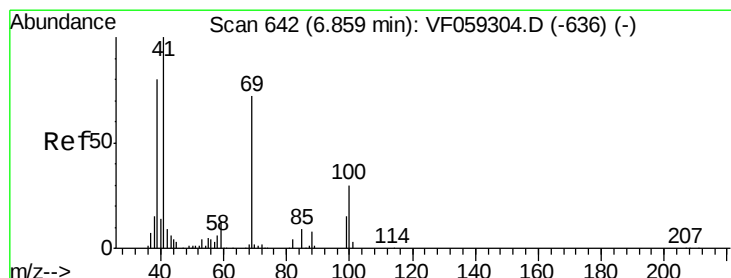
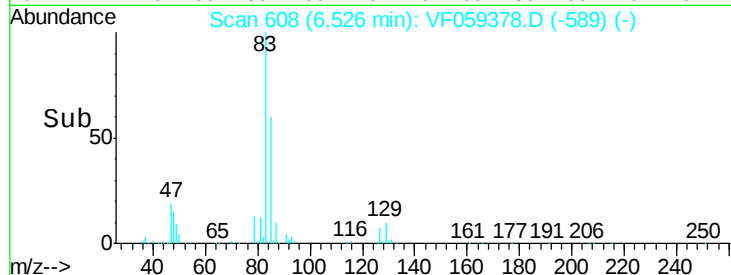
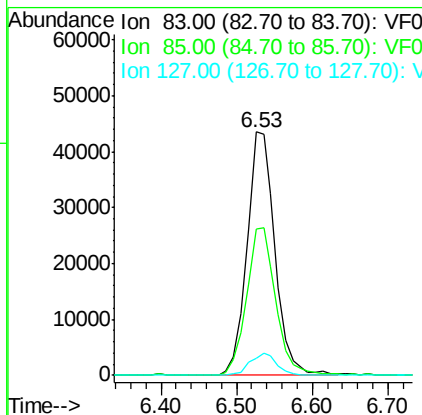
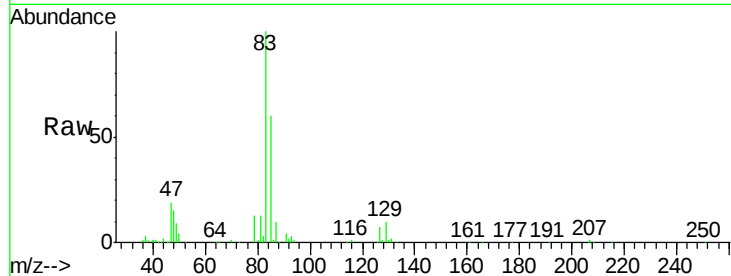
ClientSampleId :

VF0629SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 111599 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 60.0  | 50.2  | 75.2   |
| 127       | 7.9   | 7.0   | 10.4   |

Manual Integrations  
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#48

Methyl methacrylate

Concen: 20.23 ug/l

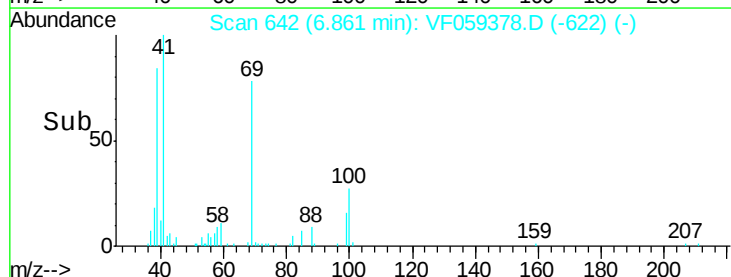
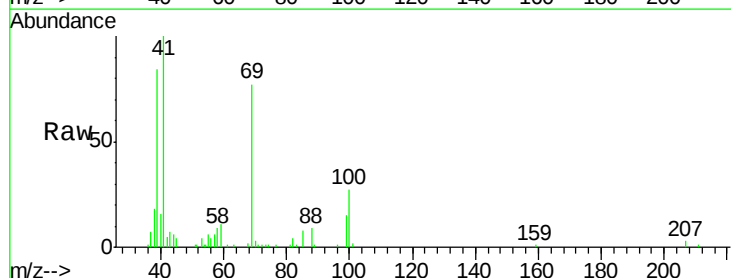
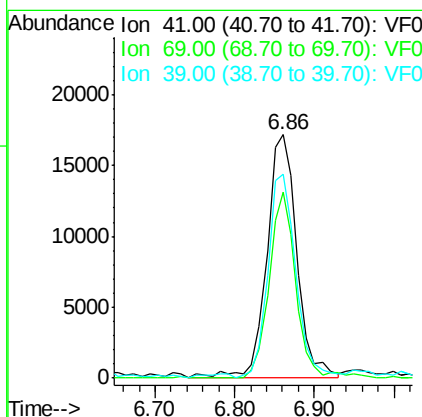
RT: 6.86 min Scan# 642

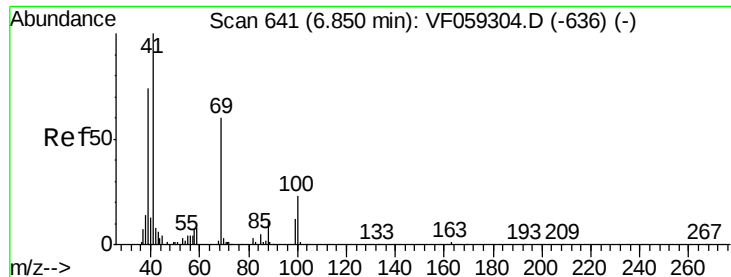
Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 41    | Resp: | 45342 |
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 69        | 76.6  | 57.3  | 85.9  |
| 39        | 83.8  | 64.4  | 96.6  |





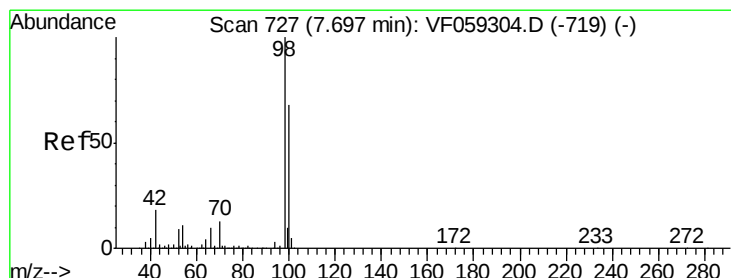
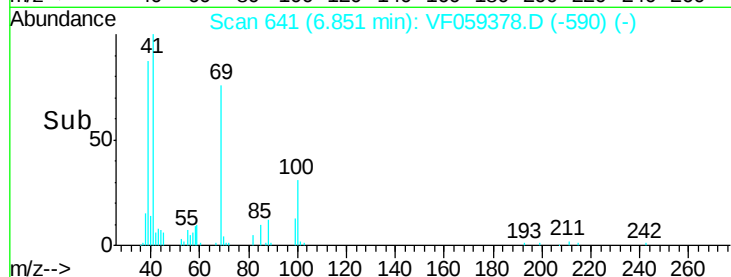
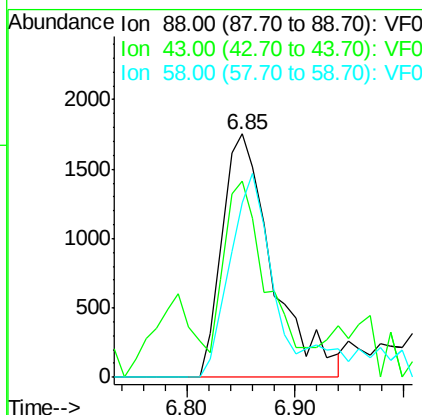
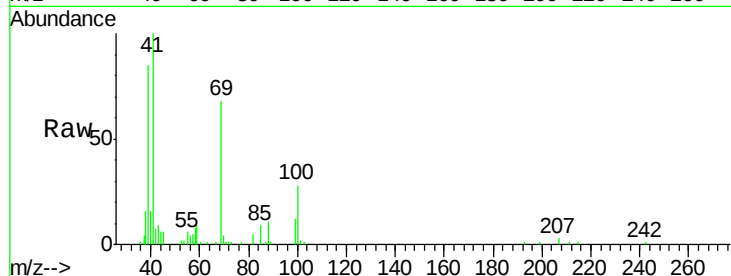
#49  
1,4-Dioxane  
Concen: 450.69 ug/l  
RT: 6.85 min Scan# 641  
Delta R.T. 0.00 min  
Lab File: VF059378.D  
Acq: 29 Jun 2018 15:40

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0629SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 80.4  | 50.6  | 75.8# |
| 58      | 71.8  | 46.6  | 69.8# |

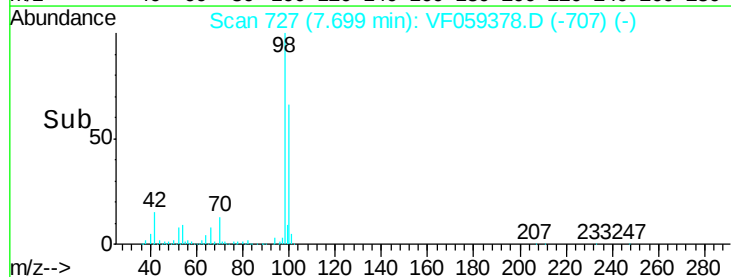
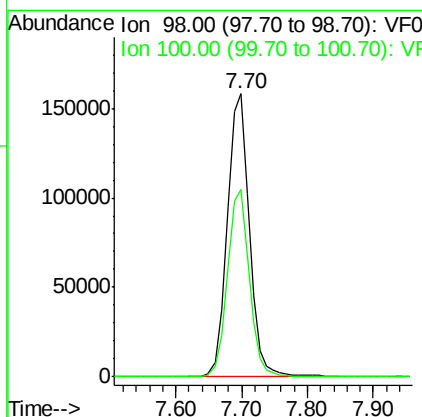
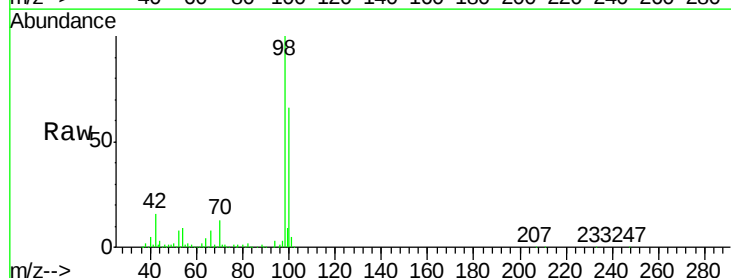
Manual Integrations  
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#50  
Toluene-d8  
Concen: 44.97 ug/l  
RT: 7.70 min Scan# 727  
Delta R.T. 0.00 min  
Lab File: VF059378.D  
Acq: 29 Jun 2018 15:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 66.2  | 54.6  | 82.0  |





#51

4-Methyl-2-Pentanone

Concen: 105.00 ug/l

RT: 8.39 min Scan# 797

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

Instrument :

MSVOA\_F

ClientSampleId :

VF0629SBS01

Tot Ion: 43 Resp: 260078

Ion Ratio Lower Upper

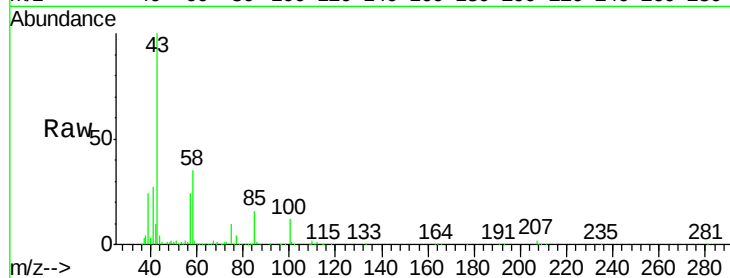
43 100

58 35.0 28.4 42.6

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.39

120000

100000

80000

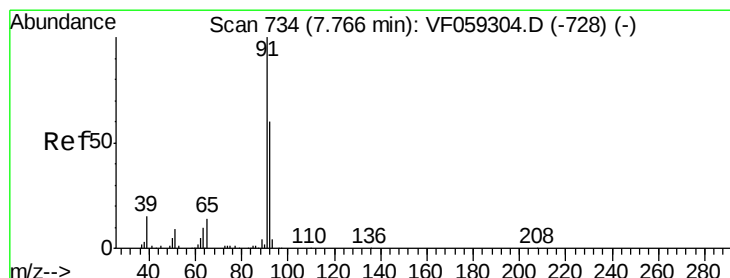
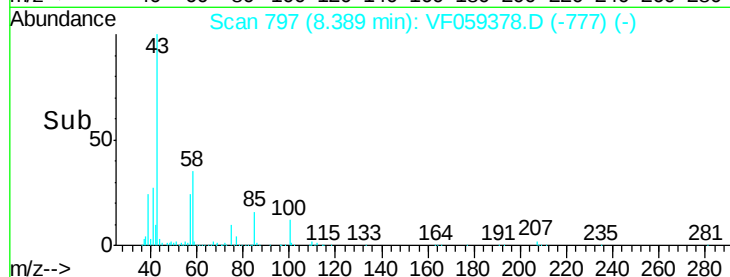
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 20.49 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.00 min

Lab File: VF059378.D

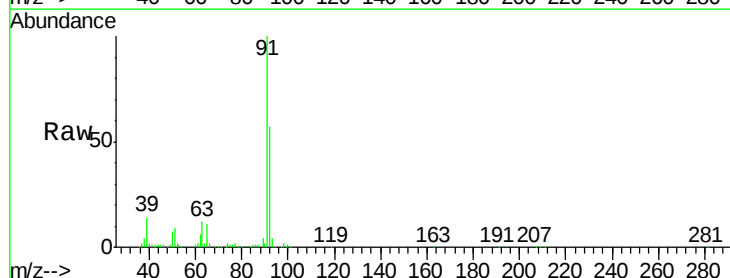
Acq: 29 Jun 2018 15:40

Tgt Ion: 92 Resp: 136454

Ion Ratio Lower Upper

92 100

91 174.2 132.8 199.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.77

100000

80000

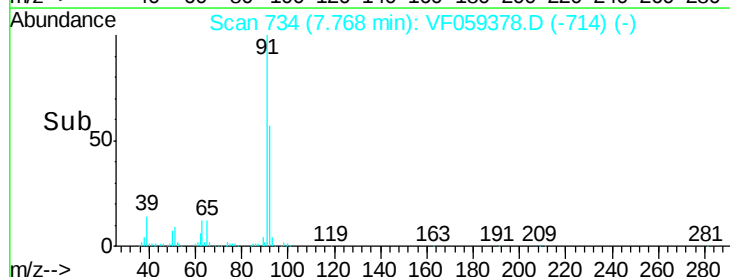
60000

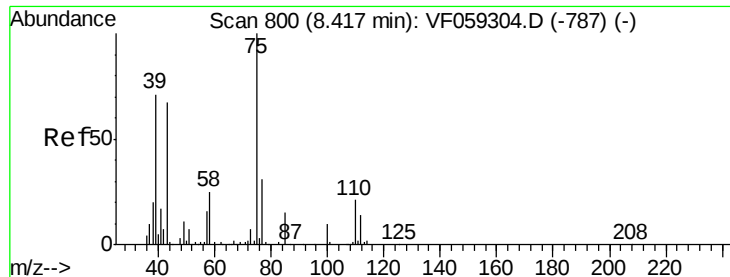
40000

20000

0

Time-->





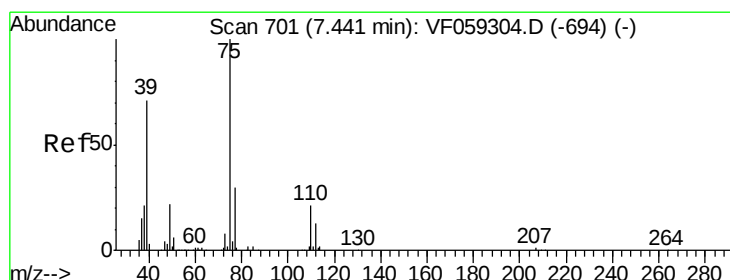
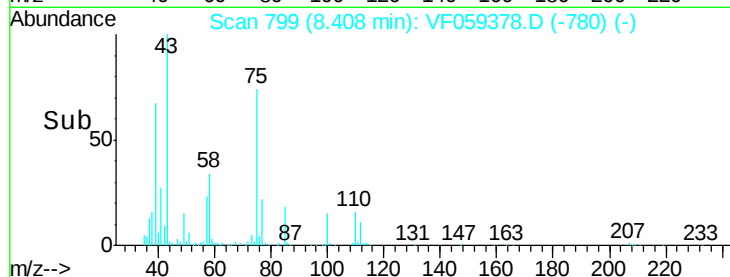
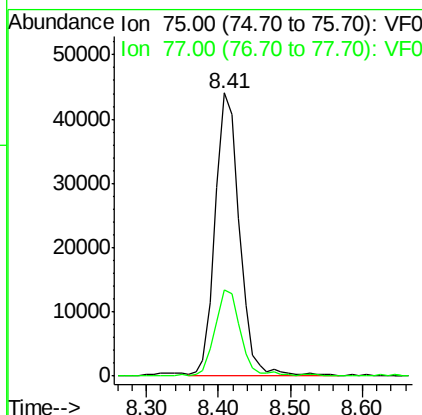
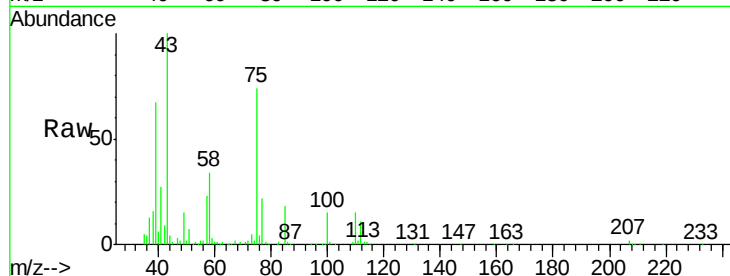
#53  
t-1,3-Dichloropropene  
Concen: 20.96 ug/l  
RT: 8.41 min Scan# 799  
Delta R.T. -0.01 min  
Lab File: VF059378.D  
Acq: 29 Jun 2018 15:40

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0629SBS01

Tot Ion: 75 Resp: 102084  
Ion Ratio Lower Upper  
75 100  
77 30.3 25.3 37.9

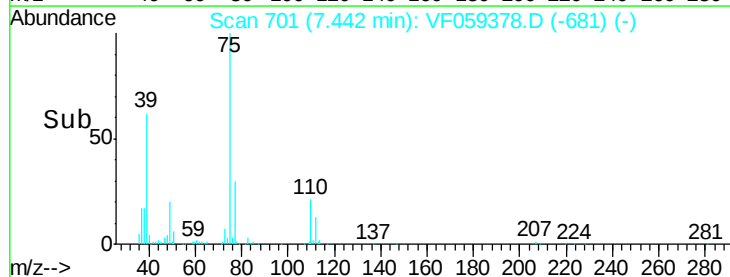
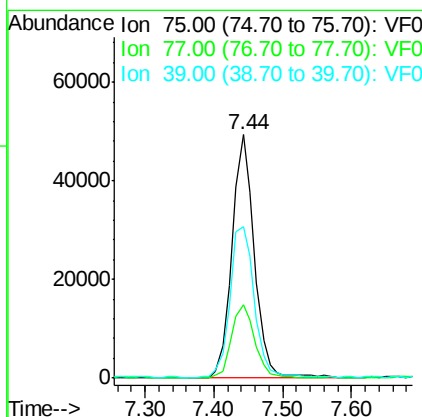
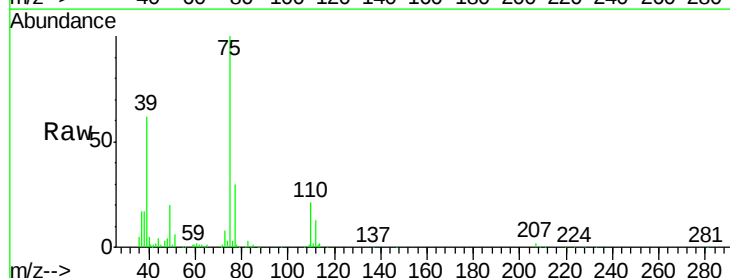
Manual Integrations  
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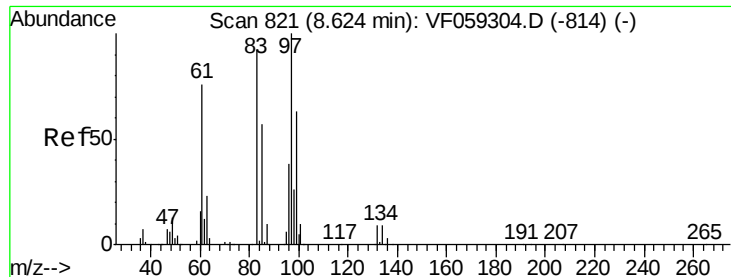
apatel  
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#54  
cis-1,3-Dichloropropene  
Concen: 21.01 ug/l  
RT: 7.44 min Scan# 701  
Delta R.T. 0.00 min  
Lab File: VF059378.D  
Acq: 29 Jun 2018 15:40

Tgt Ion: 75 Resp: 111134  
Ion Ratio Lower Upper  
75 100  
77 29.9 24.3 36.5  
39 62.4 57.2 85.8





#55

1,1,2-Trichloroethane

Concen: 21.09 ug/l

RT: 8.63 min Scan# 821

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

Instrument :

MSVOA\_F

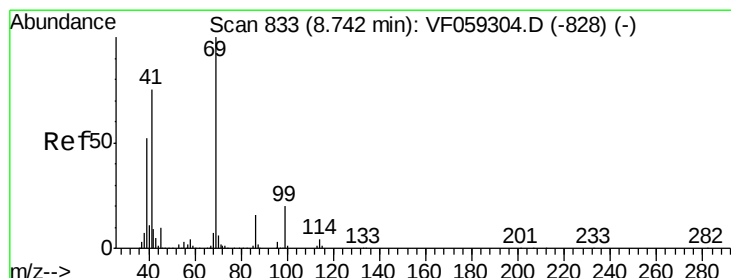
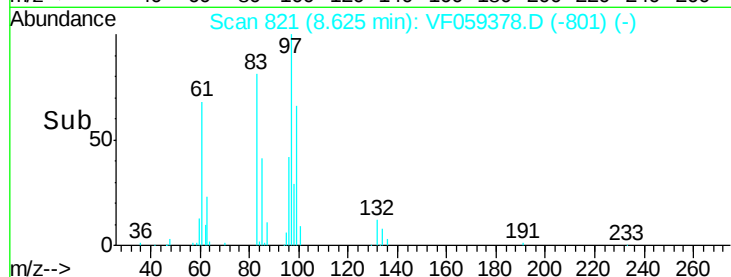
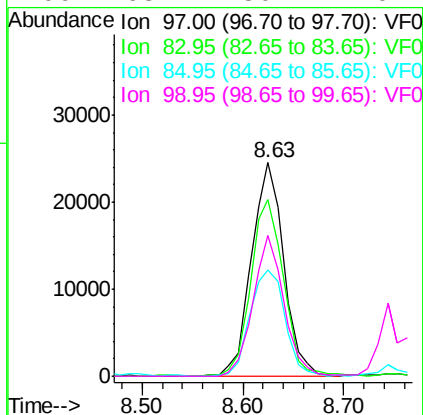
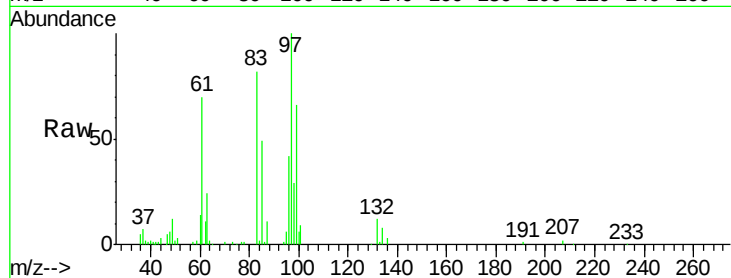
ClientSampleId :

VF0629SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 54530 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 82.5  | 73.8  | 110.8 |
| 85       | 49.5  | 45.5  | 68.3  |
| 99       | 65.7  | 50.7  | 76.1  |

Manual Integrations  
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apatel  
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#56

Ethyl methacrylate

Concen: 24.48 ug/l

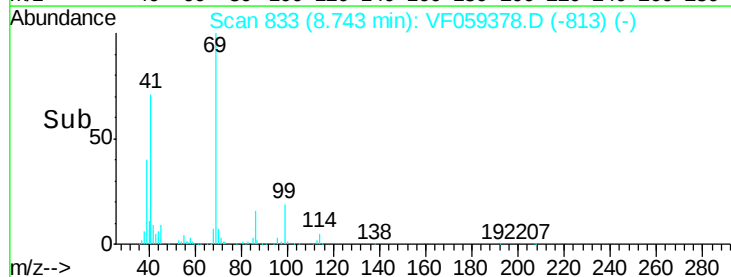
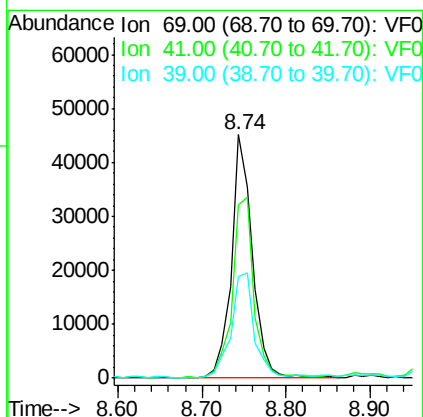
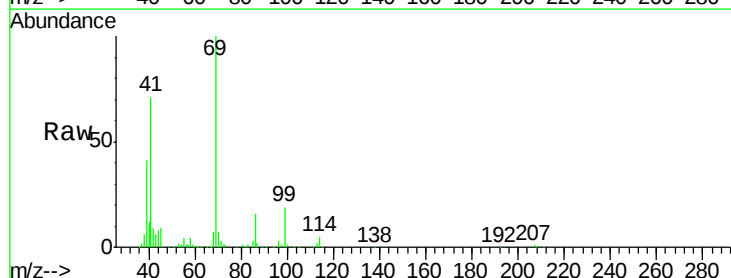
RT: 8.74 min Scan# 833

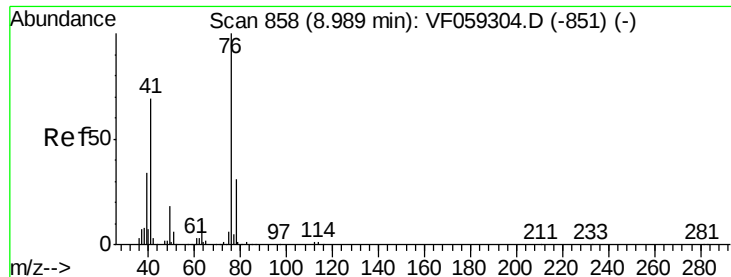
Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 78404 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 71.3  | 60.3  | 90.5  |
| 39       | 41.5  | 42.2  | 63.4# |





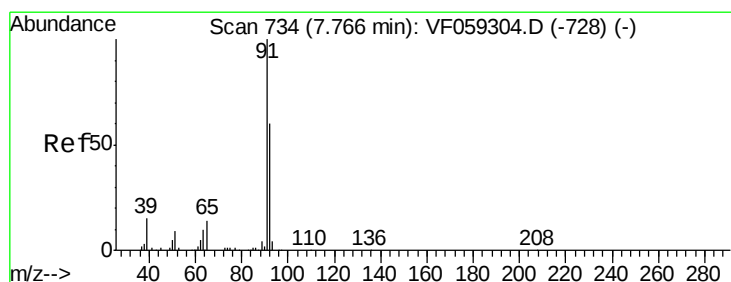
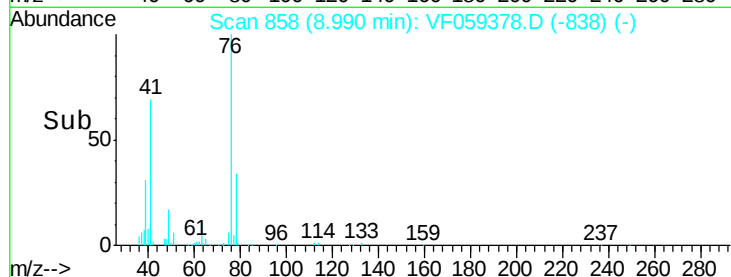
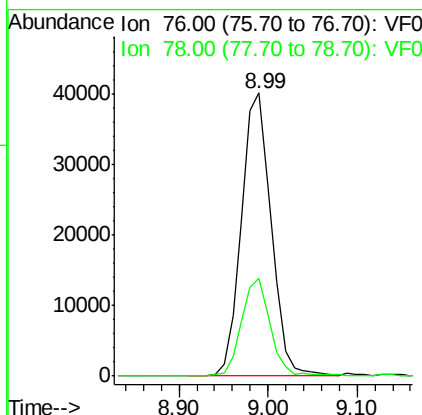
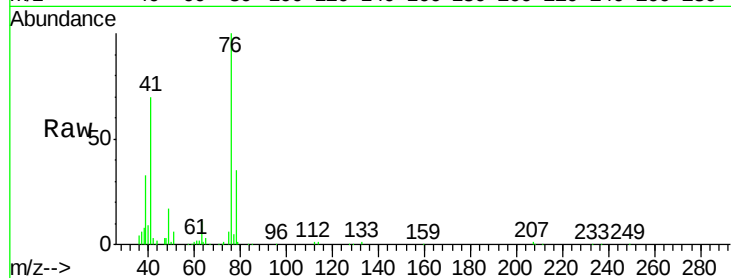
#57  
 1,3-Dichloropropane  
 Concen: 20.96 ug/l  
 RT: 8.99 min Scan# 858  
 Delta R.T. 0.00 min  
 Lab File: VF059378.D  
 Acq: 29 Jun 2018 15:40

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0629SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 34.6  | 24.9  | 37.3  |

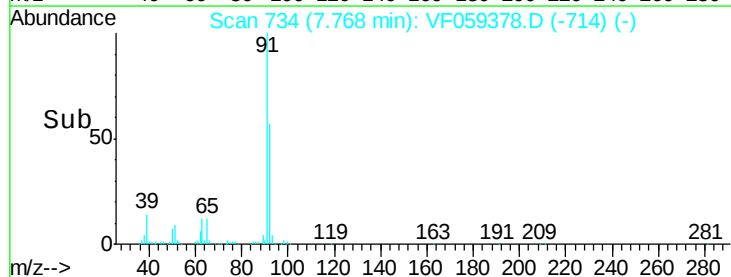
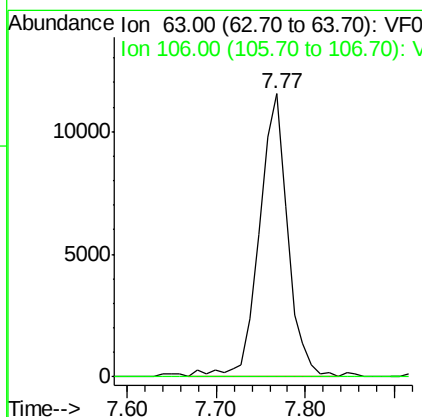
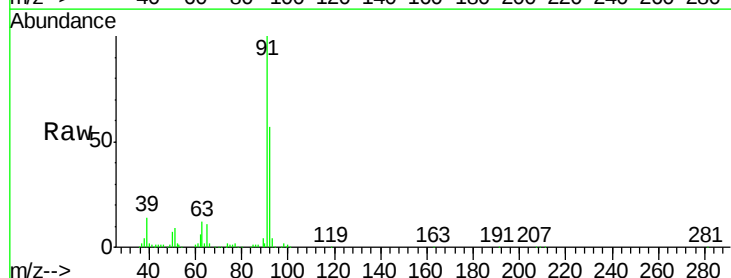
Manual Integrations  
 APPROVED

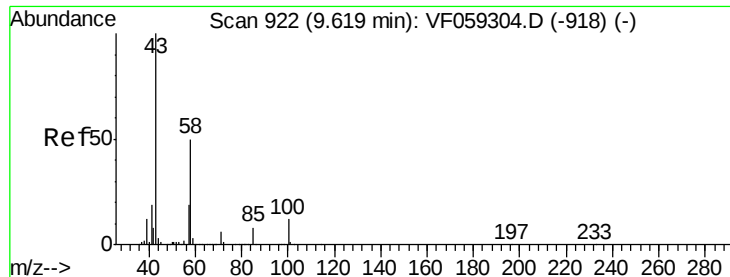
apatel  
 7/2/2018 1:11:49 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 105.54 ug/l  
 RT: 7.77 min Scan# 734  
 Delta R.T. 0.00 min  
 Lab File: VF059378.D  
 Acq: 29 Jun 2018 15:40

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





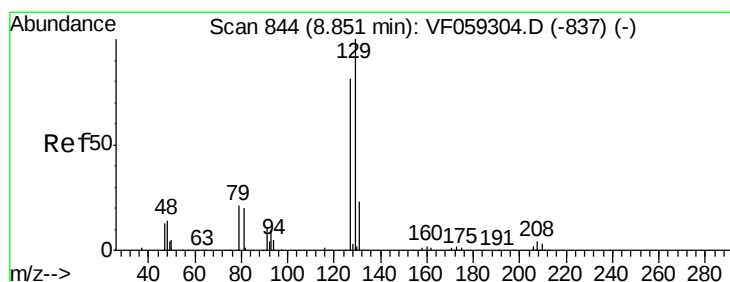
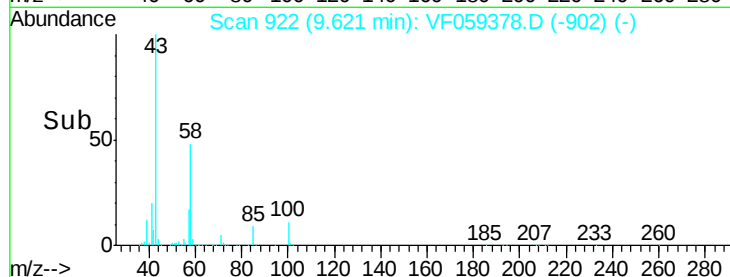
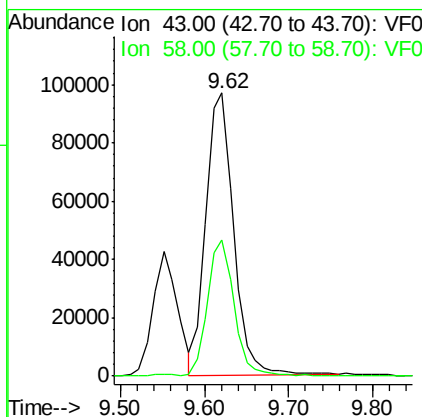
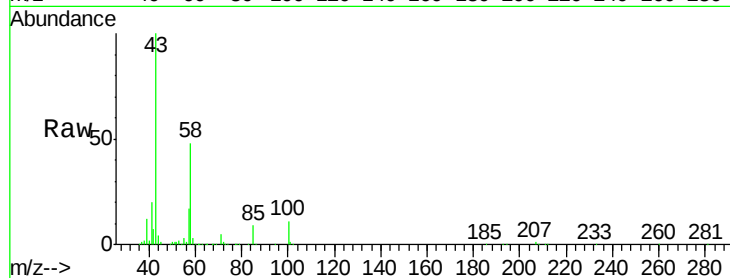
#59  
2-Hexanone  
Concen: 108.93 ug/l  
RT: 9.62 min Scan# 922  
Delta R.T. 0.00 min  
Lab File: VF059378.D  
Acq: 29 Jun 2018 15:40

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0629SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 48.3  | 23.3  | 69.9  |

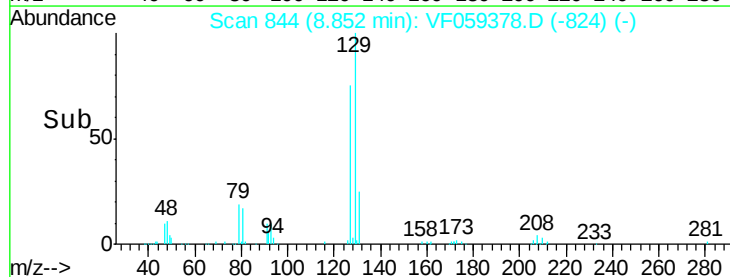
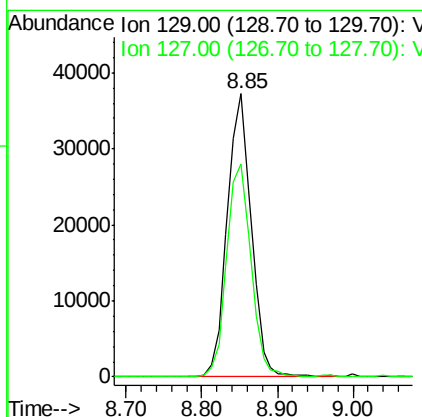
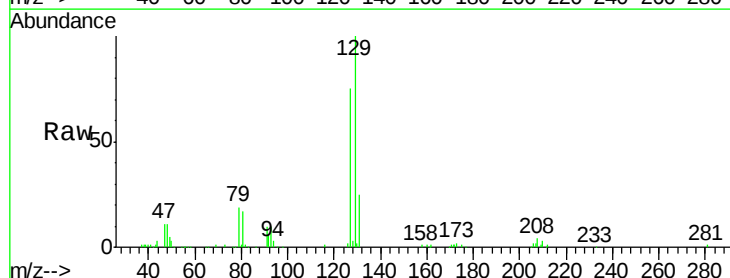
Manual Integrations  
APPROVED

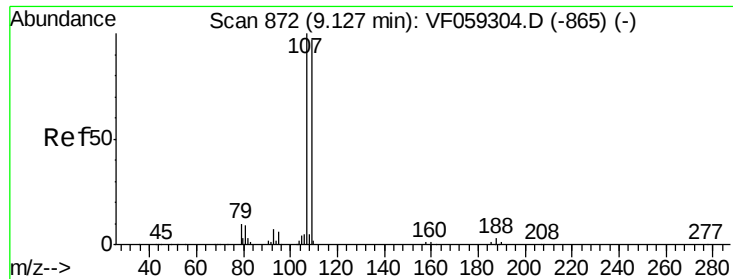
apatel  
7/2/2018 1:11:49 PM



#60  
Dibromochloromethane  
Concen: 20.53 ug/l  
RT: 8.85 min Scan# 844  
Delta R.T. 0.00 min  
Lab File: VF059378.D  
Acq: 29 Jun 2018 15:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 129     | 100   |       |       |
| 127     | 75.2  | 40.7  | 122.1 |





#61

1,2-Dibromoethane

Concen: 20.87 ug/l

RT: 9.12 min Scan# 871

Delta R.T. -0.01 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

Instrument :

MSVOA\_F

ClientSampleId :

VF0629SBS01

Tot Ion: 107 Resp: 65450

Ion Ratio Lower Upper

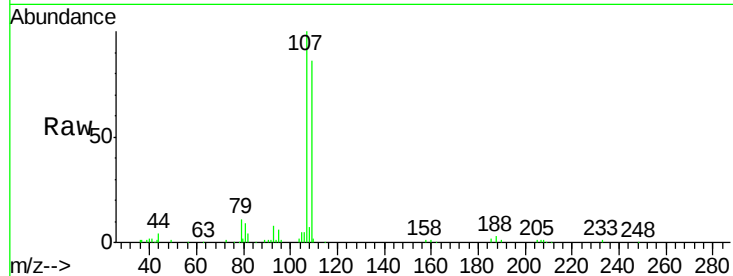
107 100

109 85.6 77.3 115.9

Manual Integrations  
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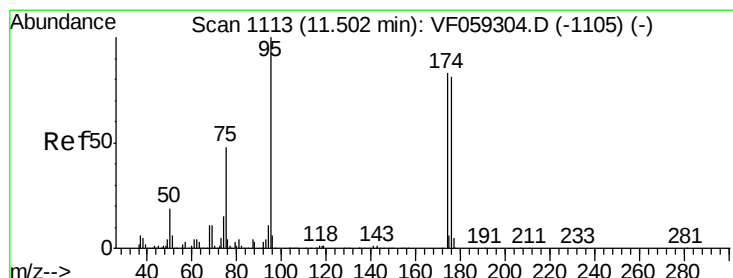
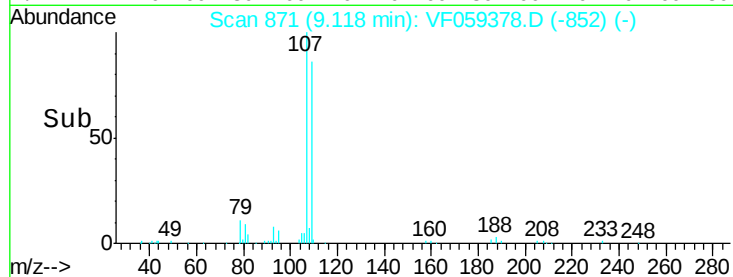
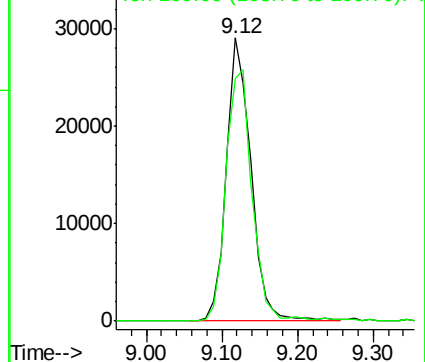
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 43.48 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

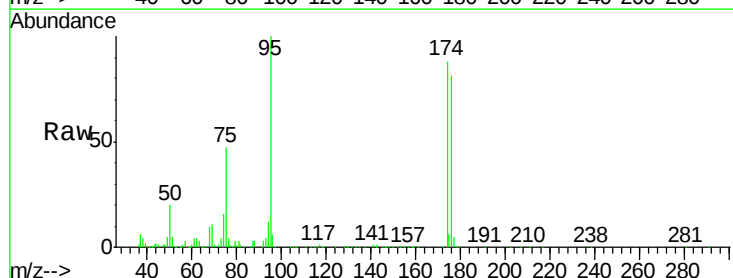
Tgt Ion: 95 Resp: 203875

Ion Ratio Lower Upper

95 100

174 87.9 0.0 165.2

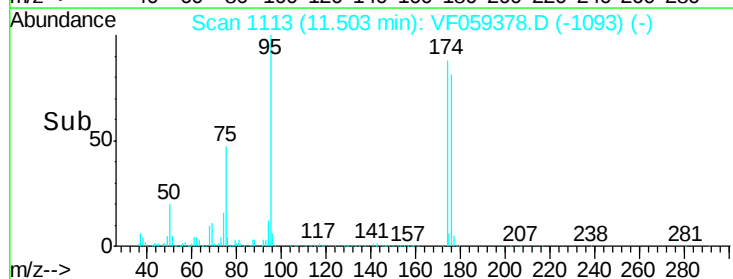
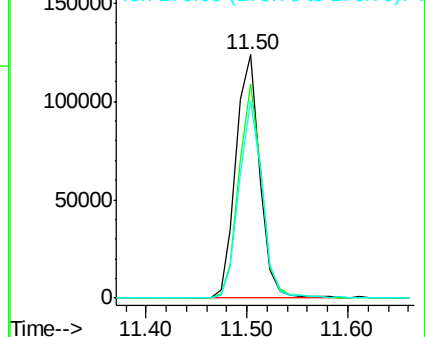
176 81.2 0.0 161.0

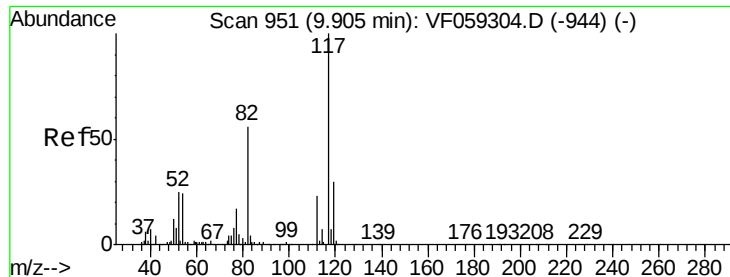


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





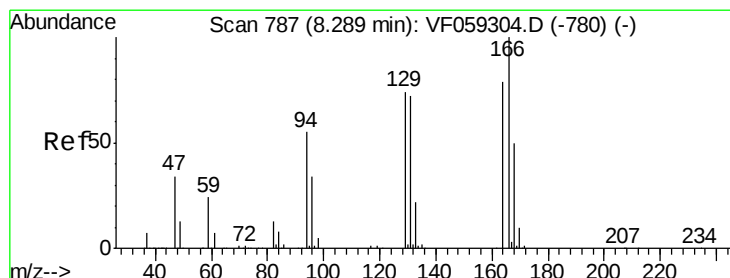
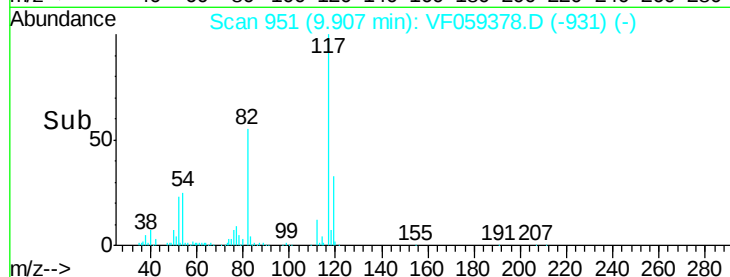
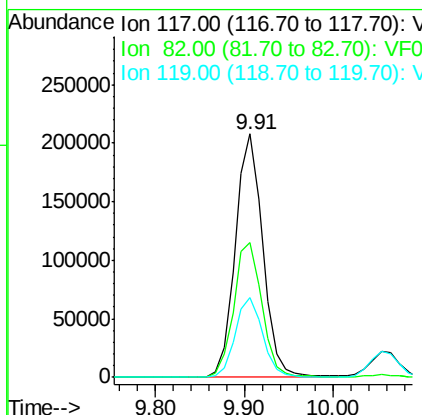
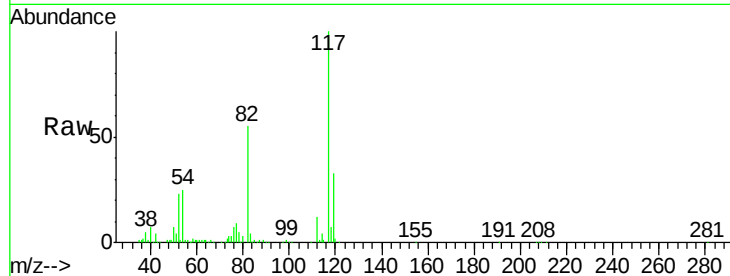
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 9.91 min Scan# 951  
Delta R.T. 0.00 min  
Lab File: VF059378.D  
Acq: 29 Jun 2018 15:40

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0629SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 448225 |       |       |
| 82      | 55.2  |        | 44.6  | 66.8  |
| 119     | 32.6  |        | 24.1  | 36.1  |

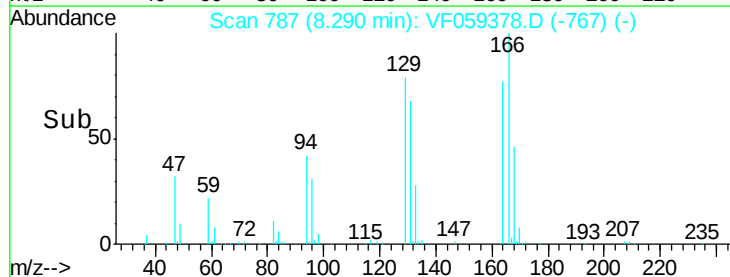
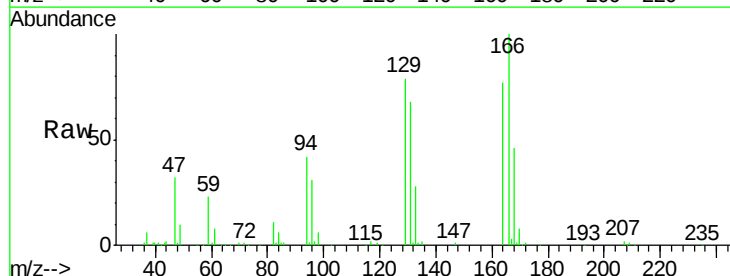
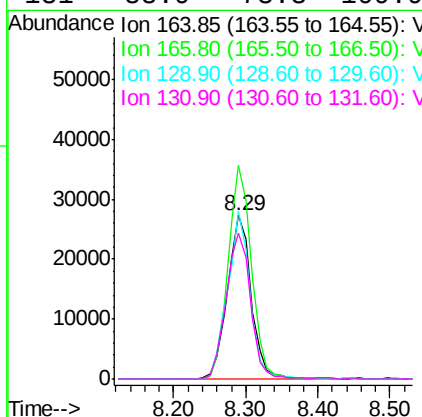
Manual Integrations  
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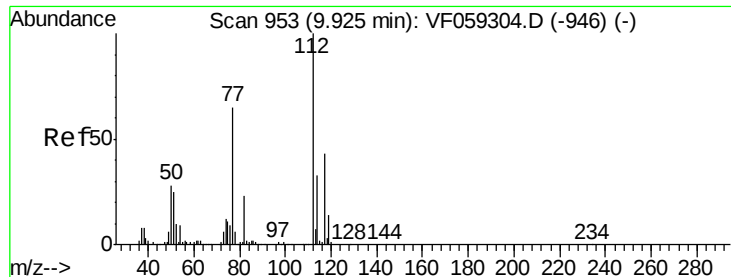
apatel  
7/2/2018 1:11:49 PM



#64  
Tetrachloroethene  
Concen: 21.58 ug/l  
RT: 8.29 min Scan# 787  
Delta R.T. 0.00 min  
Lab File: VF059378.D  
Acq: 29 Jun 2018 15:40

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 62724 |       |       |
| 166     | 130.4 |       | 101.1 | 151.7 |
| 129     | 102.5 |       | 75.0  | 112.4 |
| 131     | 88.9  |       | 73.3  | 109.9 |





#65

Chlorobenzene

Concen: 20.38 ug/l

RT: 9.93 min Scan# 953

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

Instrument :

MSVOA\_F

ClientSampleId :

VF0629SBS01

Tot Ion:112 Resp: 169257

Ion Ratio Lower Upper

112 100

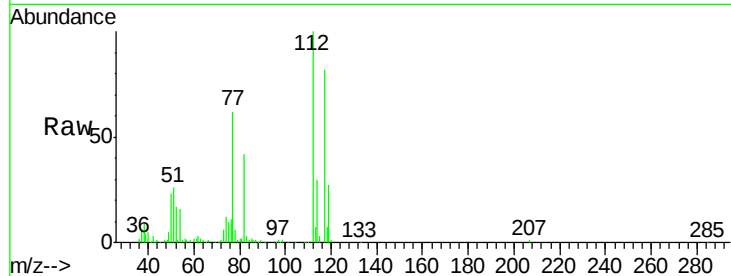
114 30.2 26.5 39.7

Manual Integrations

APPROVED

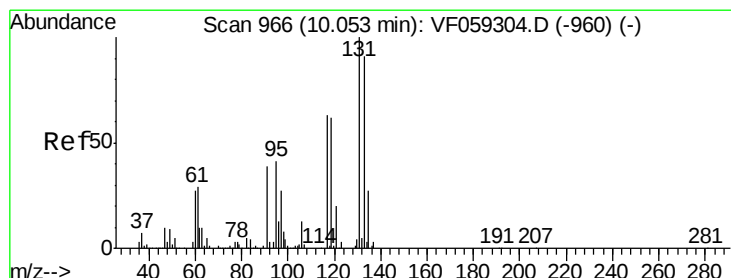
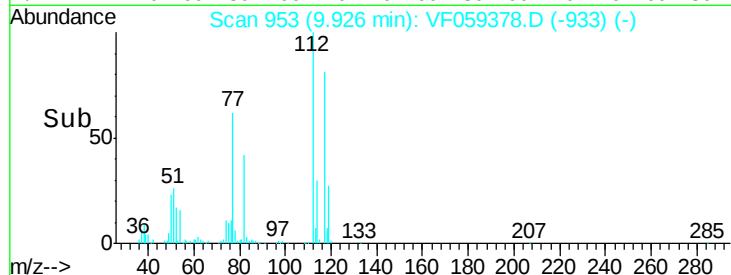
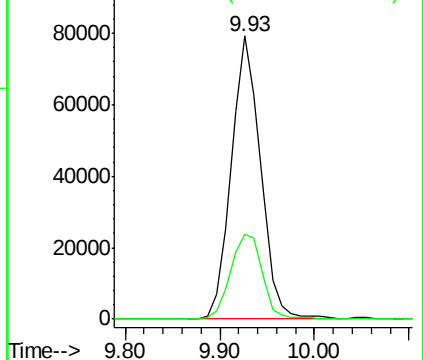
apatel

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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: 20.79 ug/l

RT: 10.05 min Scan# 966

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

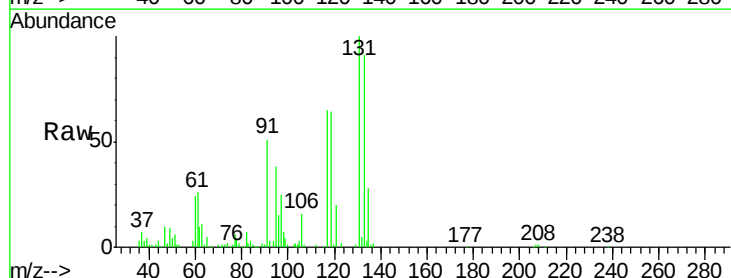
Tgt Ion:131 Resp: 74667

Ion Ratio Lower Upper

131 100

133 91.3 45.3 135.9

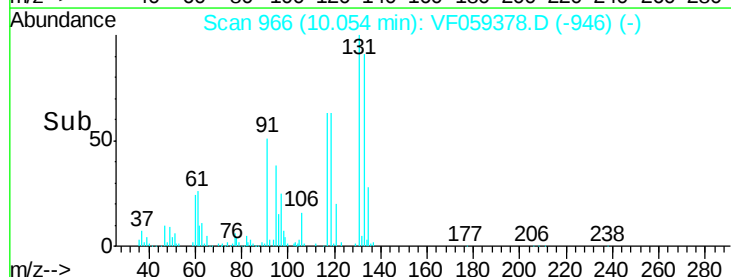
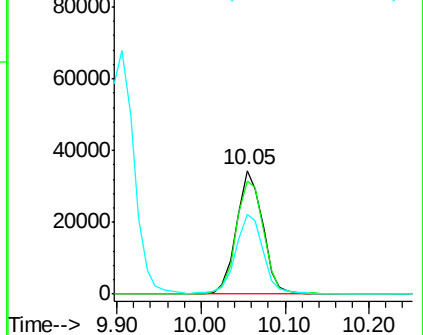
119 64.8 31.3 93.9

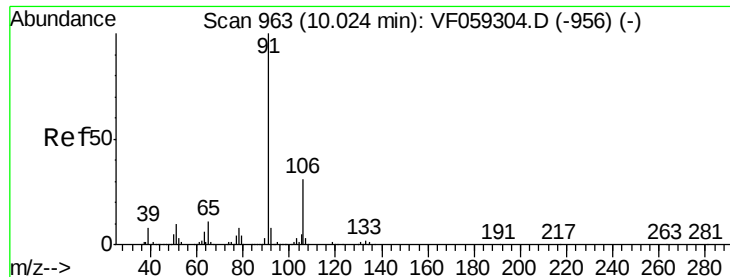


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 19.93 ug/l

RT: 10.02 min Scan# 963

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

Instrument :

MSVOA\_F

ClientSampleId :

VF0629SBS01

Tot Ion: 91 Resp: 280784

Ion Ratio Lower Upper

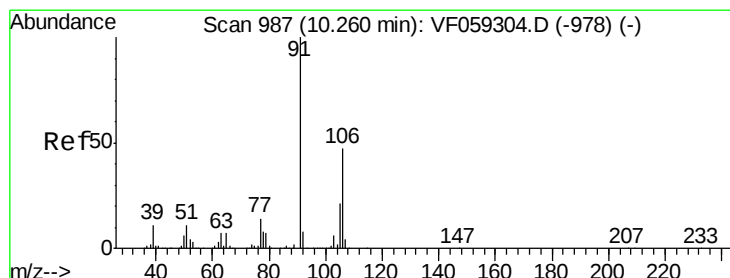
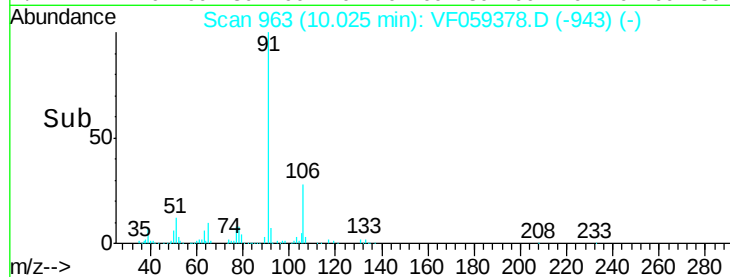
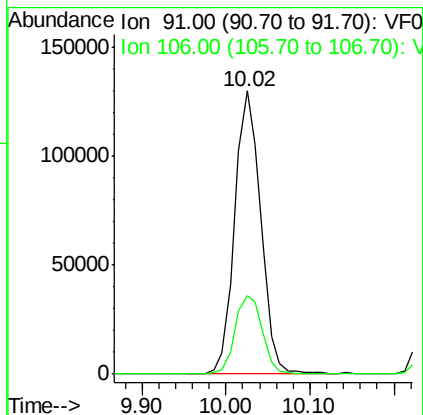
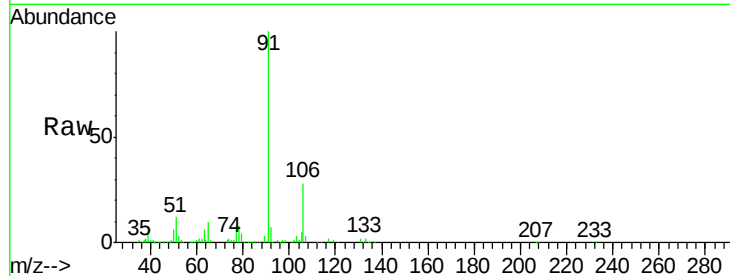
91 100

106 27.8 24.8 37.2

Manual Integrations  
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apatel

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#68

m/p-Xylenes

Concen: 43.02 ug/l

RT: 10.25 min Scan# 986

Delta R.T. -0.01 min

Lab File: VF059378.D

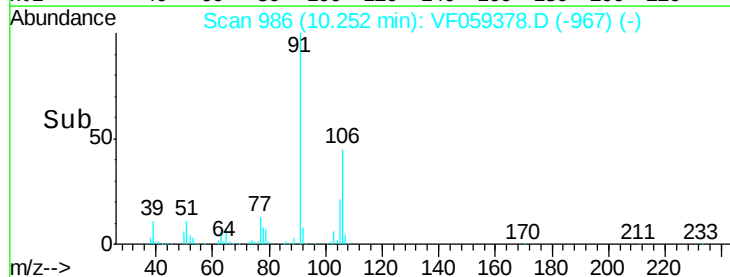
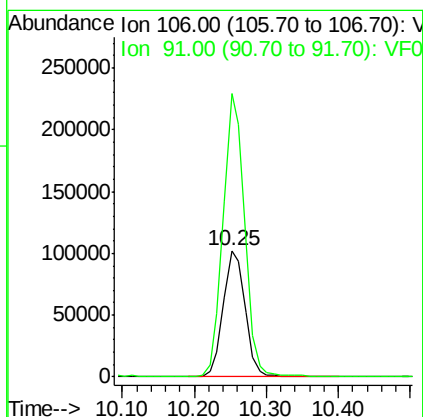
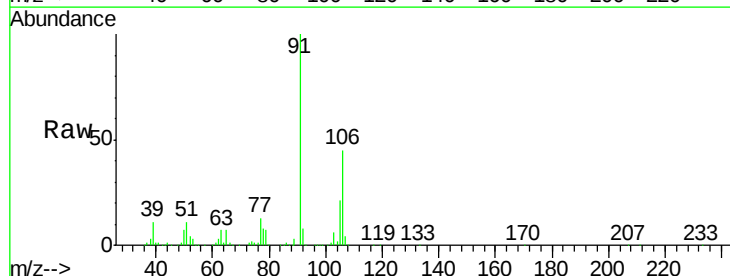
Acq: 29 Jun 2018 15:40

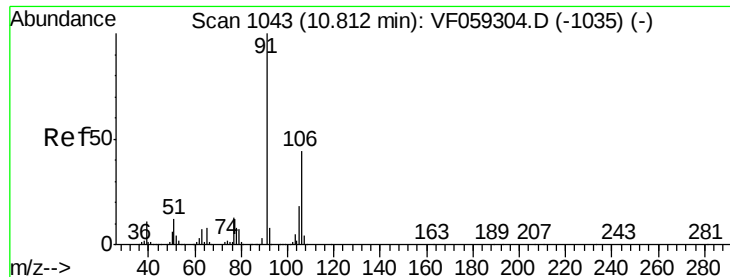
Tgt Ion: 106 Resp: 215751

Ion Ratio Lower Upper

106 100

91 224.4 170.8 256.2





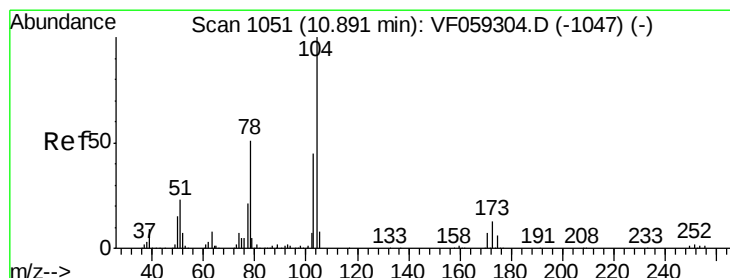
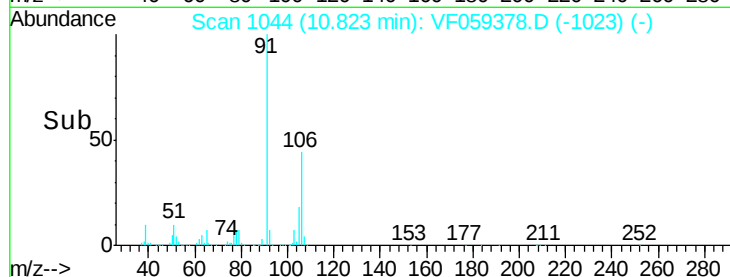
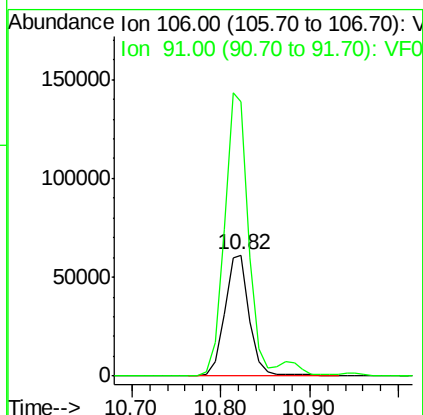
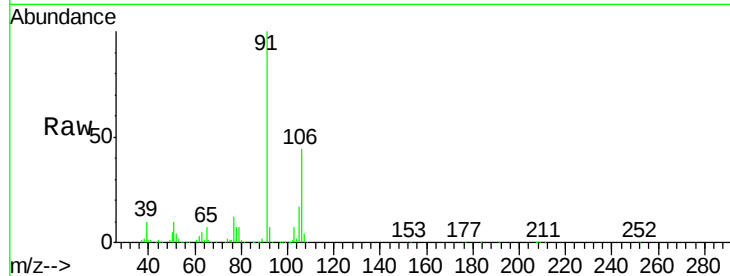
#69  
o-Xylene  
Concen: 21.17 ug/l  
RT: 10.82 min Scan# 1044  
Delta R.T. 0.01 min  
Lab File: VF059378.D  
Acq: 29 Jun 2018 15:40

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0629SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 226.9 | 114.6 | 343.6 |

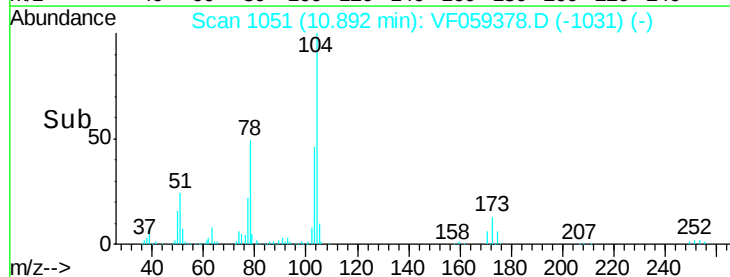
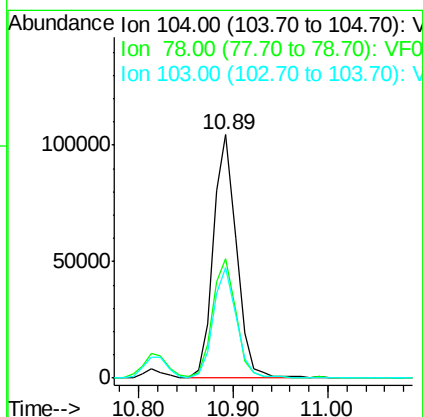
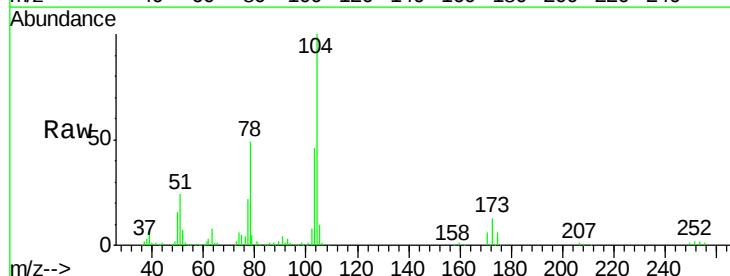
Manual Integrations  
APPROVED

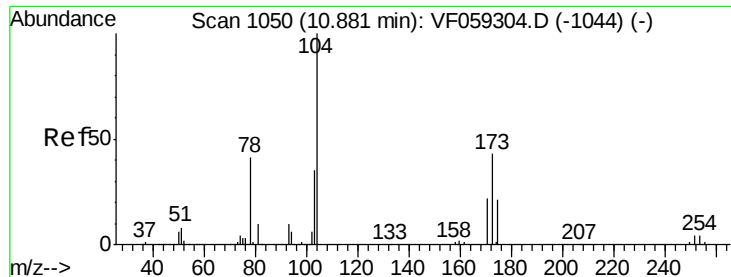
apatel  
7/2/2018 1:11:49 PM



#70  
Styrene  
Concen: 20.73 ug/l  
RT: 10.89 min Scan# 1051  
Delta R.T. 0.00 min  
Lab File: VF059378.D  
Acq: 29 Jun 2018 15:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 49.0  | 40.9  | 61.3  |
| 103     | 45.5  | 36.5  | 54.7  |





#71

Bromoform

Concen: 19.74 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

Instrument :

MSVOA\_F

ClientSampleId :

VF0629SBS01

Tot Ion:173 Resp: 48604

Ion Ratio Lower Upper

173 100

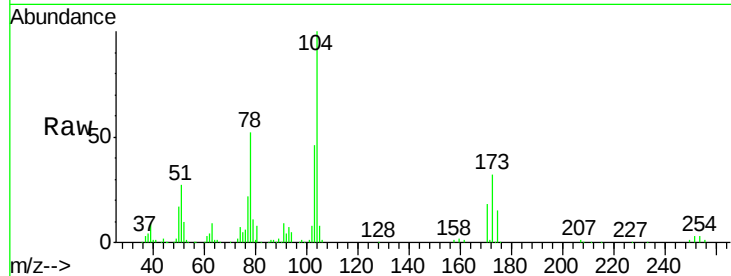
175 46.8 24.8 74.3

254 0.0 0.0 0.0

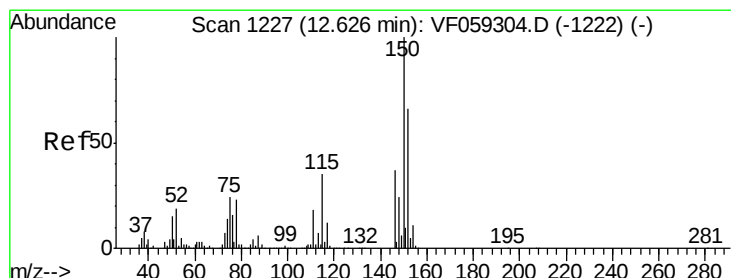
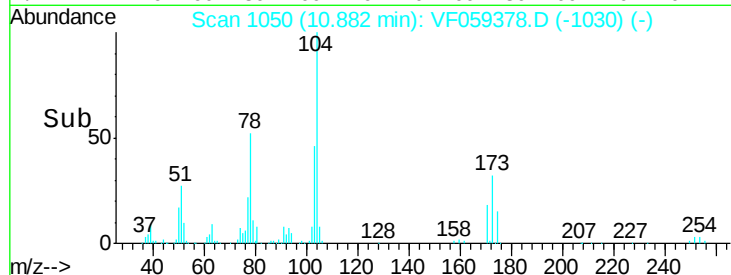
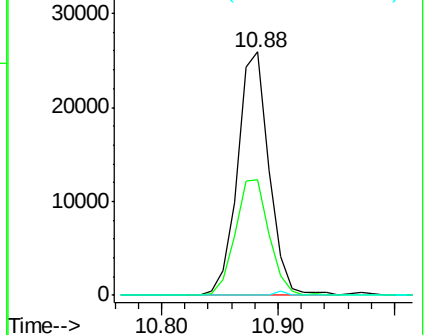
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Abundance Ion 173.00 (172.70 to 173.70): V  
Ion 175.00 (174.70 to 175.70): V  
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

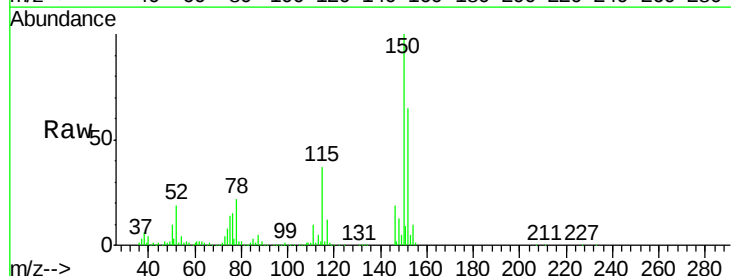
Tgt Ion:152 Resp: 268660

Ion Ratio Lower Upper

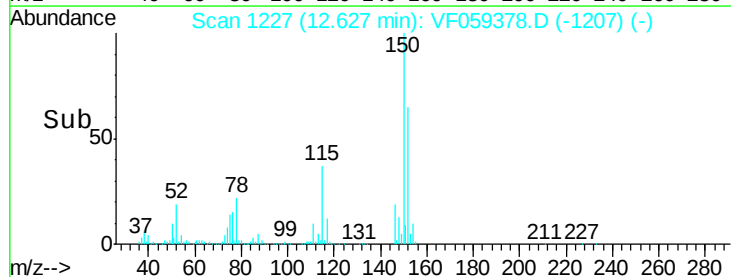
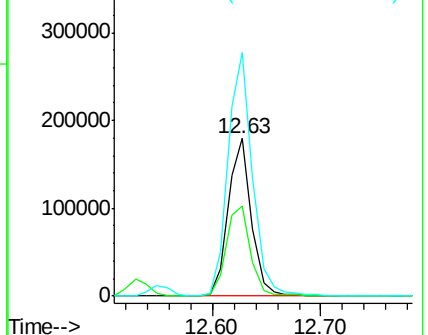
152 100

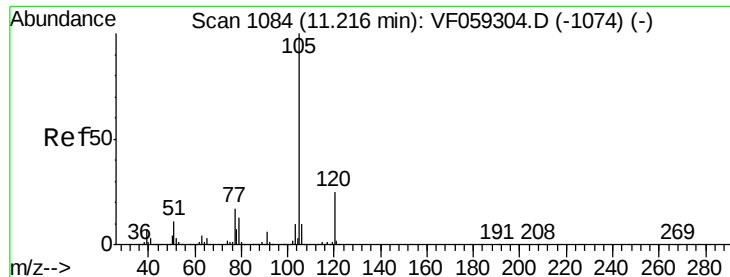
115 57.2 27.1 81.3

150 154.6 0.0 305.2



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





#73

Isopropylbenzene

Concen: 23.03 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

Instrument :

MSVOA\_F

ClientSampleId :

VF0629SBS01

Tot Ion: 105 Resp: 360391

Ion Ratio Lower Upper

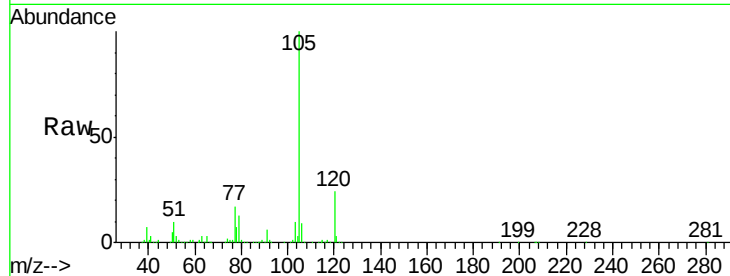
105 100

120 24.4 12.3 36.8

Manual Integrations  
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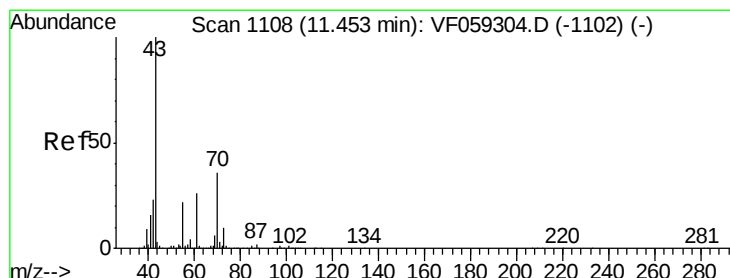
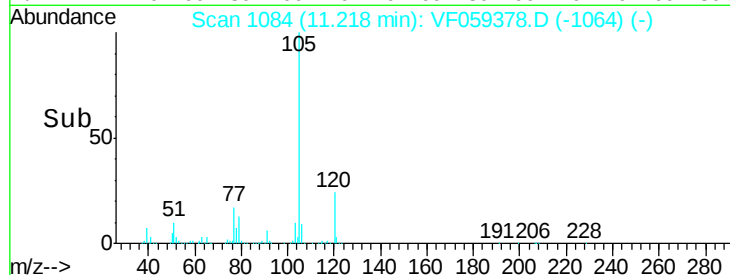
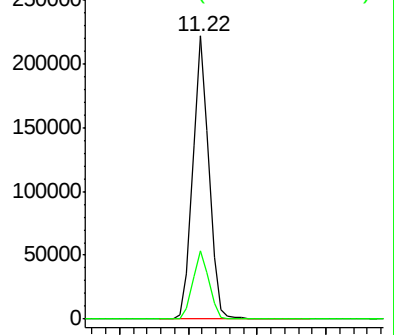
apatel

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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: 22.19 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

Tgt Ion: 43 Resp: 126054

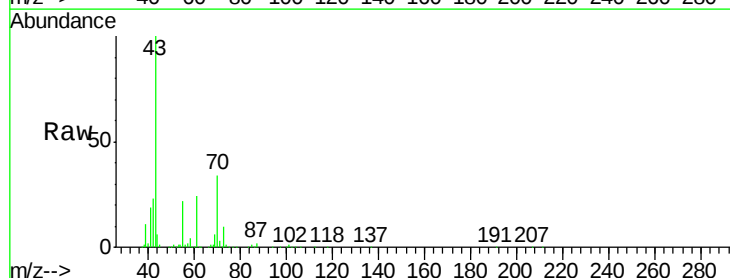
Ion Ratio Lower Upper

43 100

70 34.3 28.8 43.2

55 21.6 17.4 26.0

61 24.4 21.1 31.7

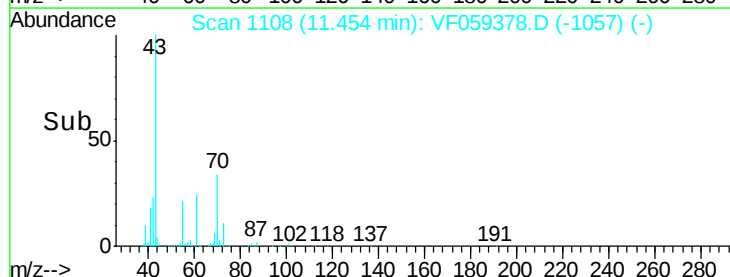
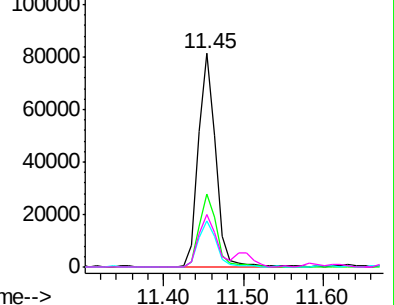


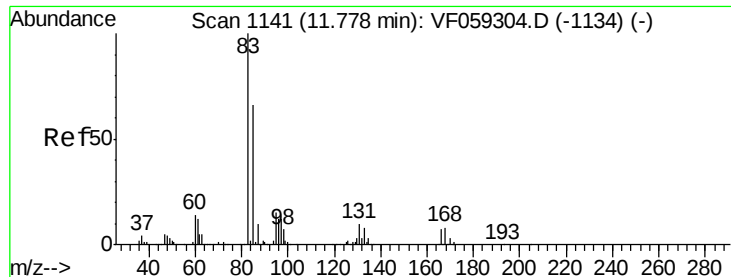
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 21.01 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

Instrument :

MSVOA\_F

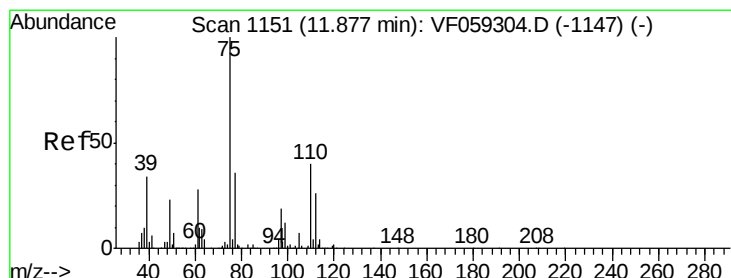
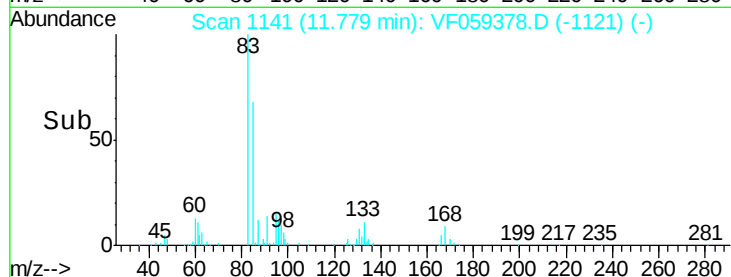
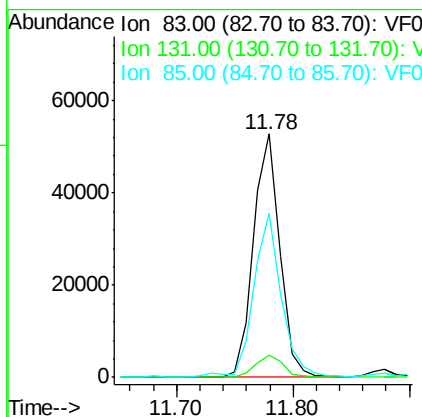
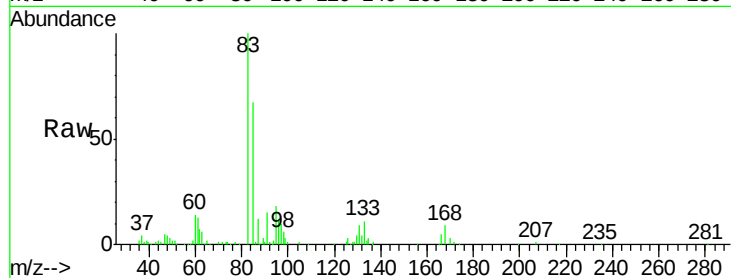
ClientSampleId :

VF0629SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 83055 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 9.0   | 4.9   | 14.6  |
| 85        | 67.3  | 32.8  | 98.4  |

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 20.97 ug/l

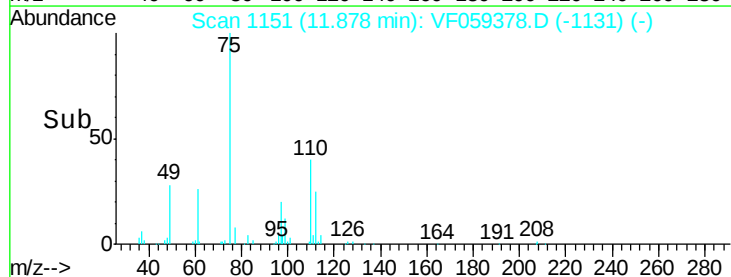
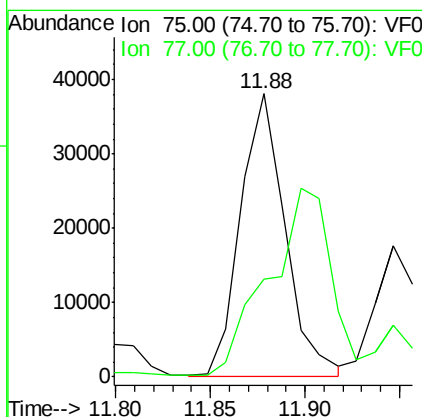
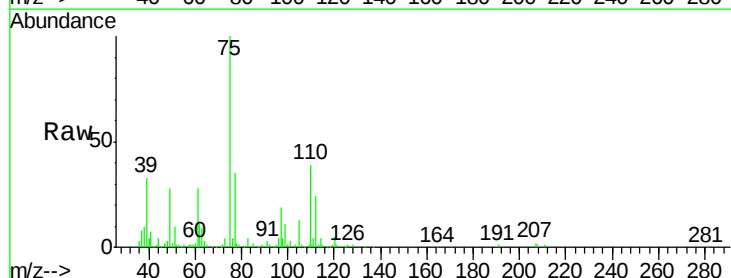
RT: 11.88 min Scan# 1151

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 62523 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 34.7  | 18.0  | 54.0  |





#77

Bromobenzene

Concen: 21.16 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

Instrument :

MSVOA\_F

ClientSampleId :

VF0629SBS01

Tot Ion:156 Resp: 91875

Ion Ratio Lower Upper

156 100

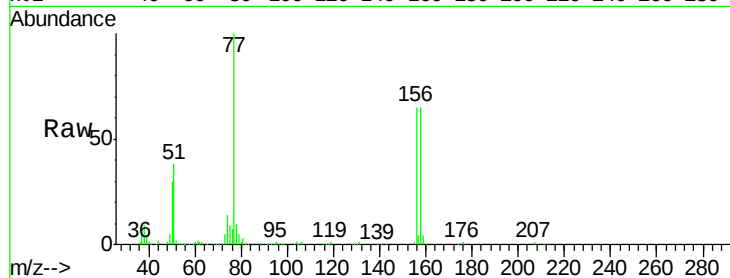
77 154.7 79.7 238.9

158 101.2 46.2 138.6

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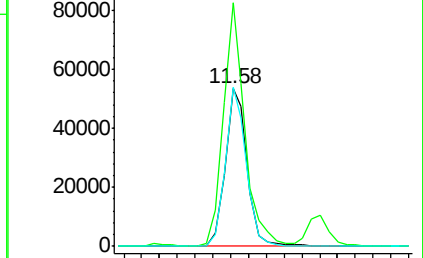
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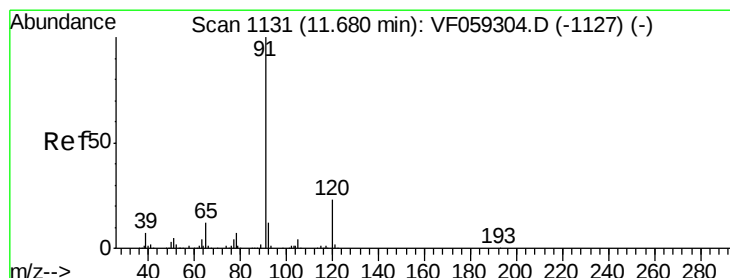
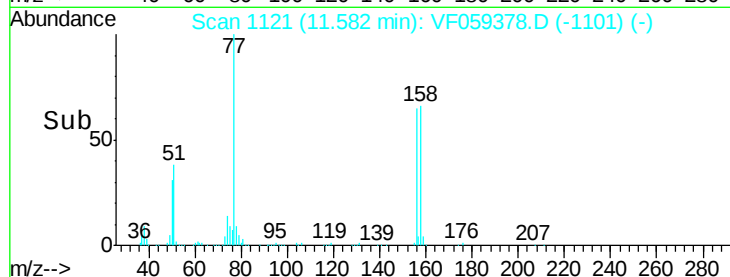
Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



Time-->



#78

n-propylbenzene

Concen: 21.37 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VF059378.D

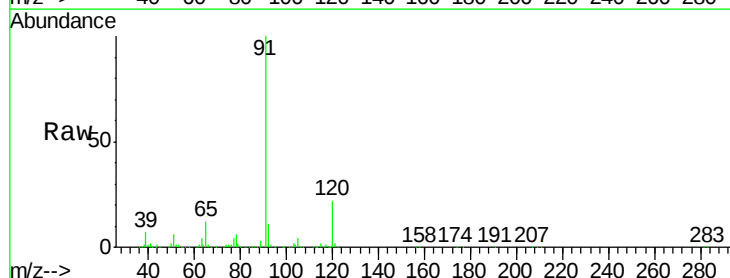
Acq: 29 Jun 2018 15:40

Tgt Ion: 91 Resp: 401669

Ion Ratio Lower Upper

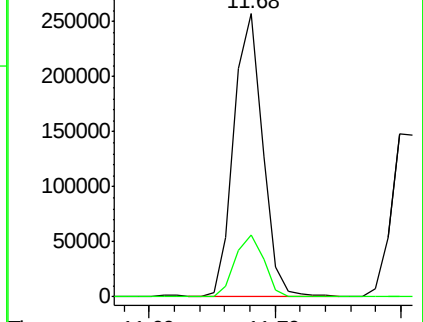
91 100

120 21.9 11.7 35.0

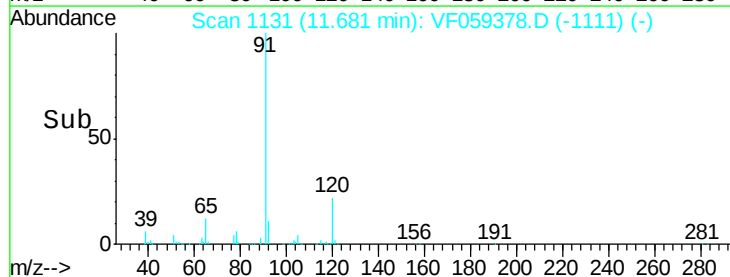


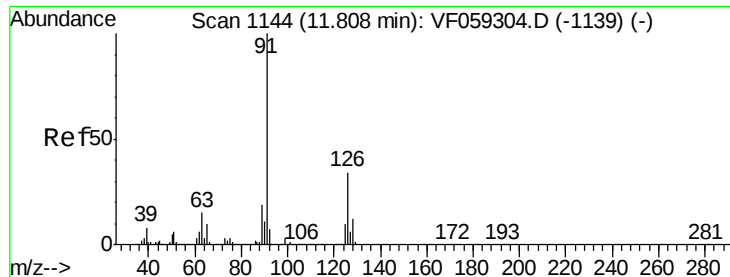
Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V



Time-->





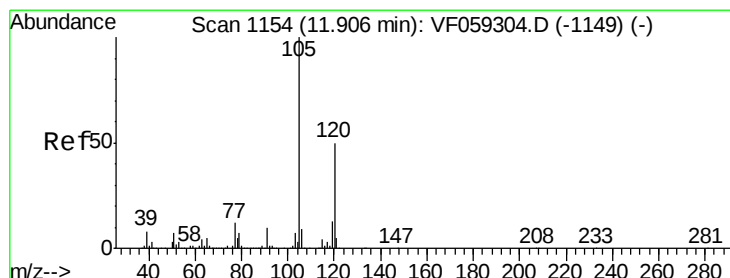
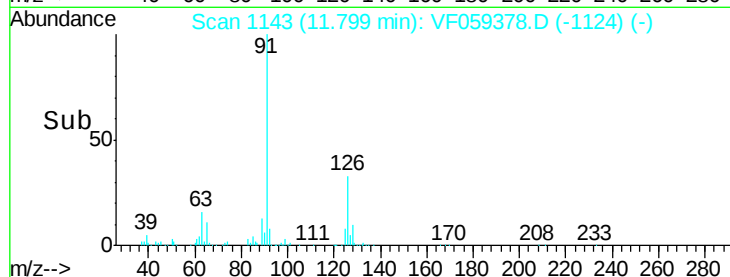
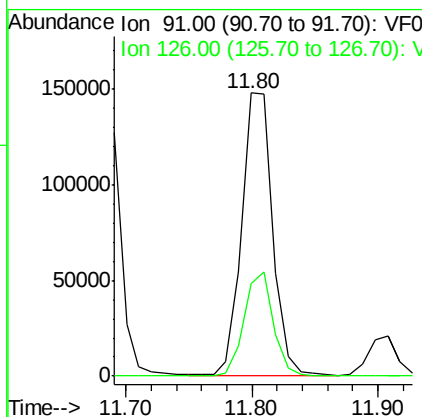
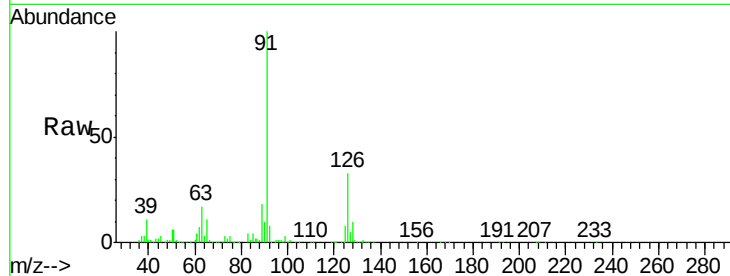
#79  
2-Chlorotoluene  
Concen: 21.79 ug/l  
RT: 11.80 min Scan# 1143  
Delta R.T. -0.01 min  
Lab File: VF059378.D  
Acq: 29 Jun 2018 15:40

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0629SBS01

Tot Ion: 91 Resp: 250267  
Ion Ratio Lower Upper  
91 100  
126 32.6 17.2 51.5

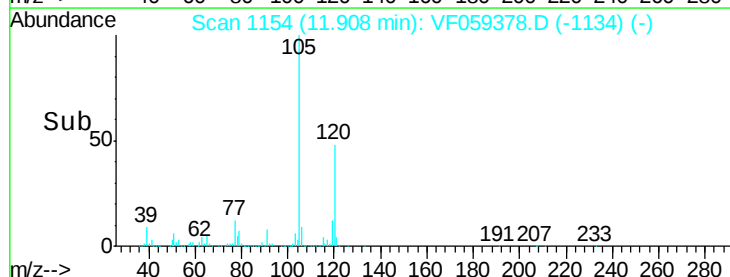
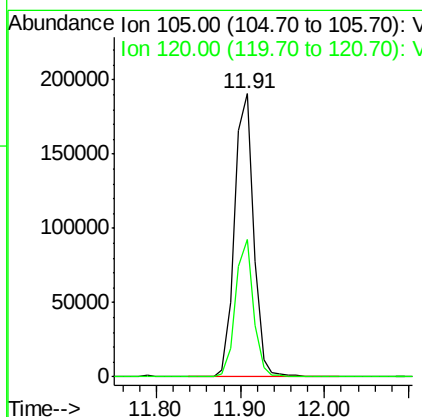
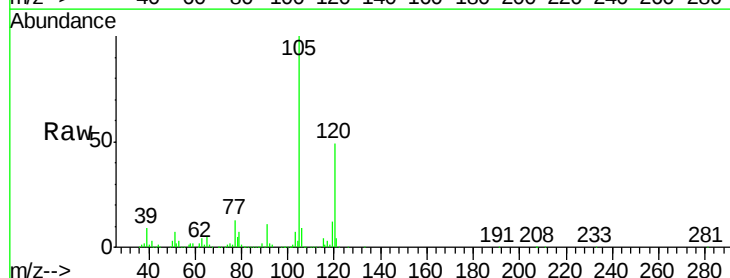
Manual Integrations  
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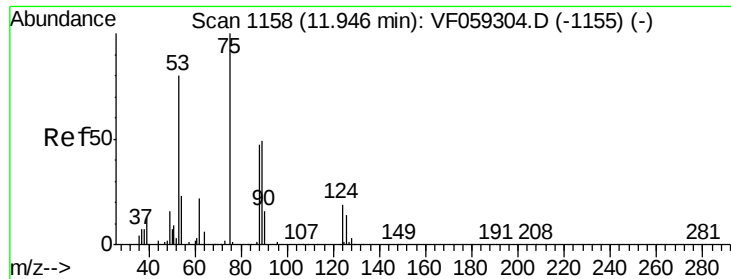
apatel  
7/2/2018 1:11:49 PM



#80  
1,3,5-Trimethylbenzene  
Concen: 21.94 ug/l  
RT: 11.91 min Scan# 1154  
Delta R.T. 0.00 min  
Lab File: VF059378.D  
Acq: 29 Jun 2018 15:40

Tgt Ion:105 Resp: 300774  
Ion Ratio Lower Upper  
105 100  
120 48.7 24.9 74.7





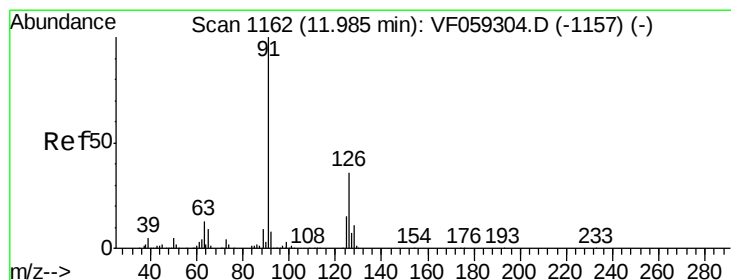
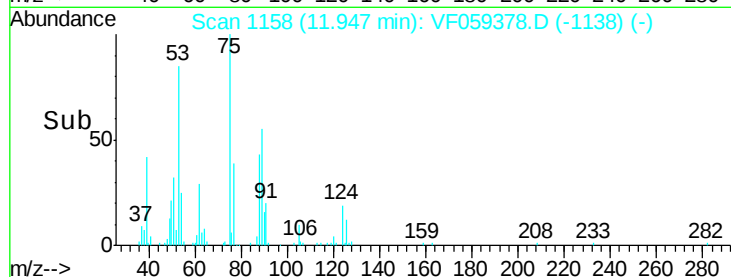
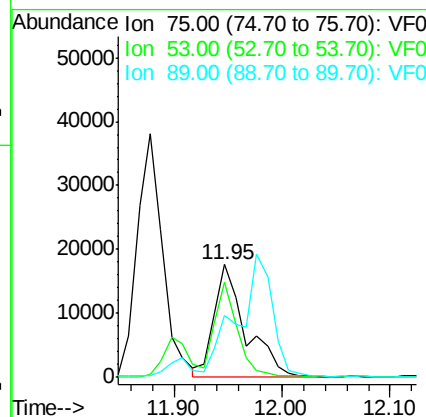
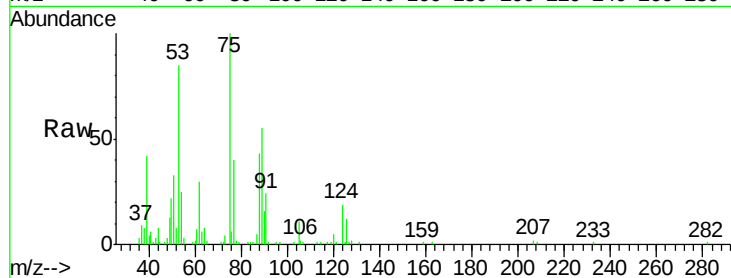
#81  
trans-1,4-Dichloro-2-butene  
Concen: 20.39 ug/l  
RT: 11.95 min Scan# 1158  
Delta R.T. 0.00 min  
Lab File: VF059378.D  
Acq: 29 Jun 2018 15:40

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0629SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 84.9  | 68.8  | 103.2 |
| 89      | 54.7  | 42.0  | 63.0  |

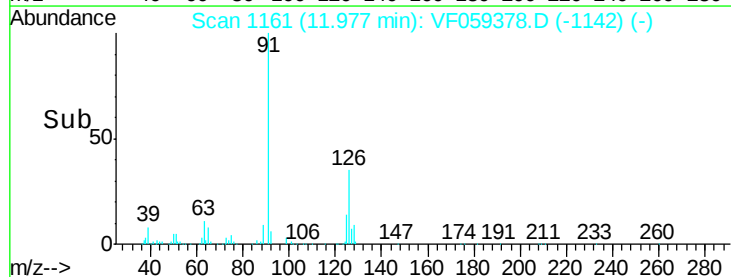
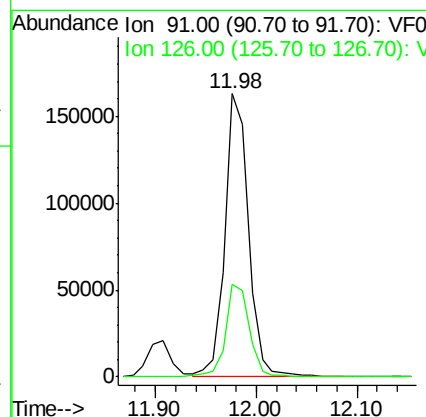
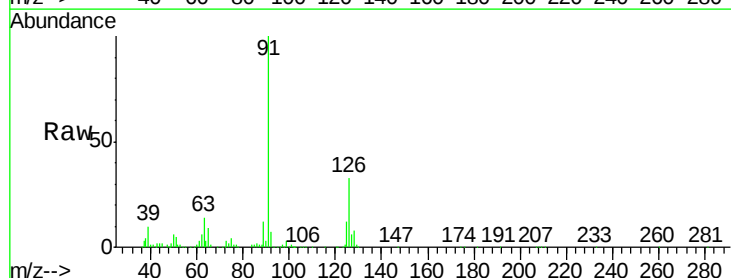
Manual Integrations  
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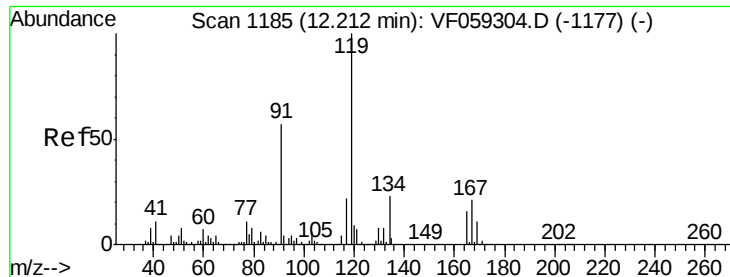
apatel  
7/2/2018 1:11:49 PM



#82  
4-Chlorotoluene  
Concen: 21.47 ug/l  
RT: 11.98 min Scan# 1161  
Delta R.T. -0.01 min  
Lab File: VF059378.D  
Acq: 29 Jun 2018 15:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 32.9  | 18.2  | 54.6  |





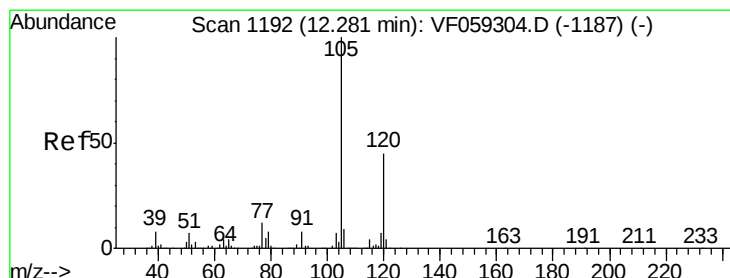
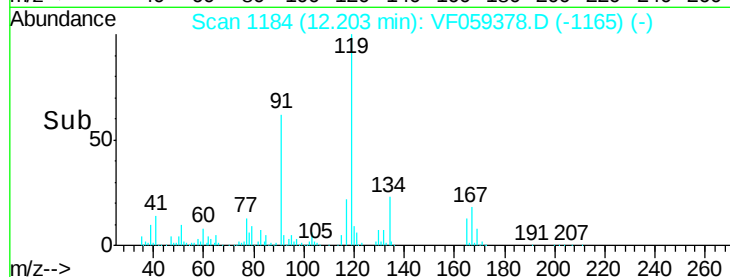
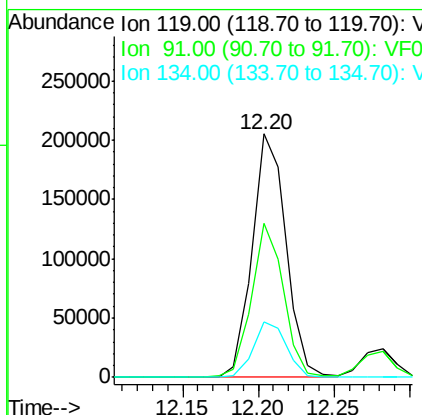
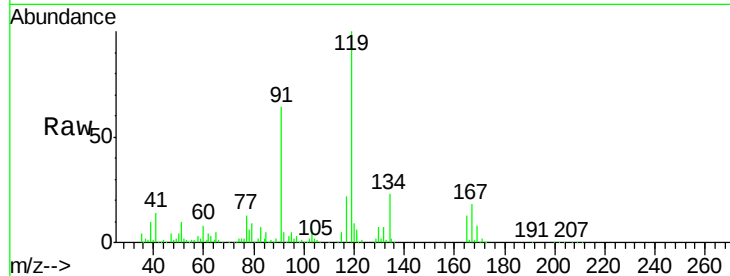
#83  
tert-Butylbenzene  
Concen: 23.36 ug/l  
RT: 12.20 min Scan# 1184  
Delta R.T. -0.01 min  
Lab File: VF059378.D  
Acq: 29 Jun 2018 15:40

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0629SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 63.5  | 28.4  | 85.2  |
| 134     | 22.7  | 11.7  | 35.1  |

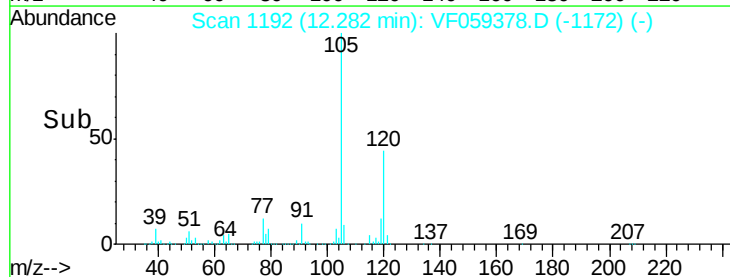
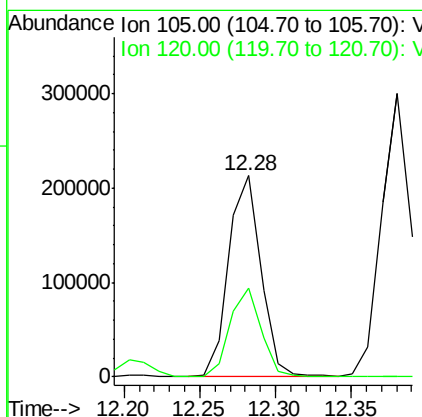
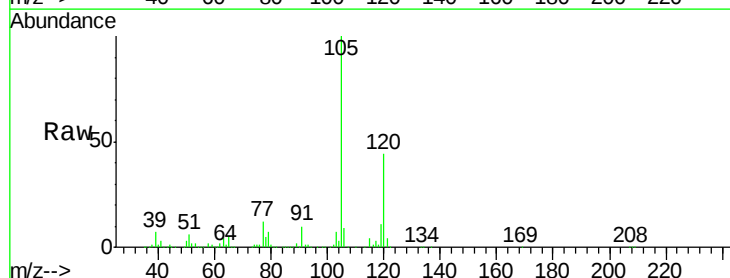
Manual Integrations  
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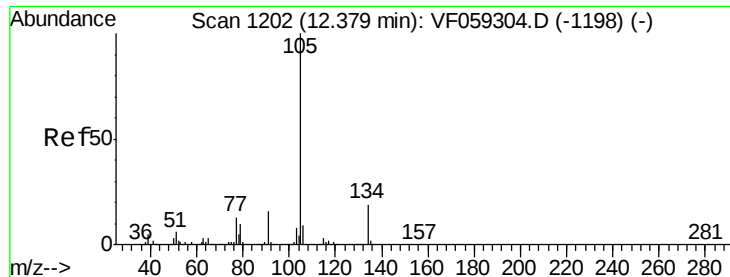
apatel  
7/2/2018 1:11:49 PM



#84  
1,2,4-Trimethylbenzene  
Concen: 22.06 ug/l  
RT: 12.28 min Scan# 1192  
Delta R.T. 0.00 min  
Lab File: VF059378.D  
Acq: 29 Jun 2018 15:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 44.3  | 22.8  | 68.4  |





#85

sec-Butylbenzene

Concen: 22.95 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

Instrument :

MSVOA\_F

ClientSampleId :

VF0629SBS01

Tot Ion:105 Resp: 417214

Ion Ratio Lower Upper

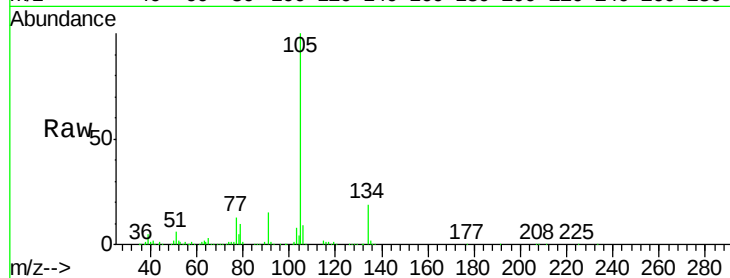
105 100

134 18.8 9.4 28.3

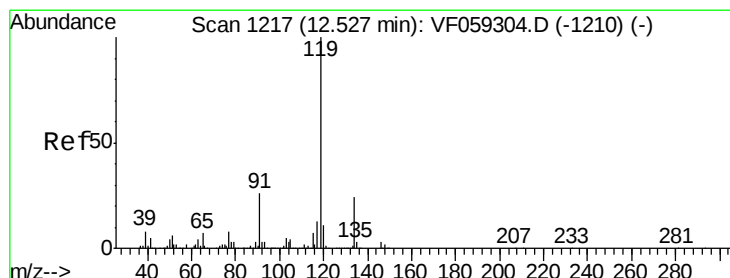
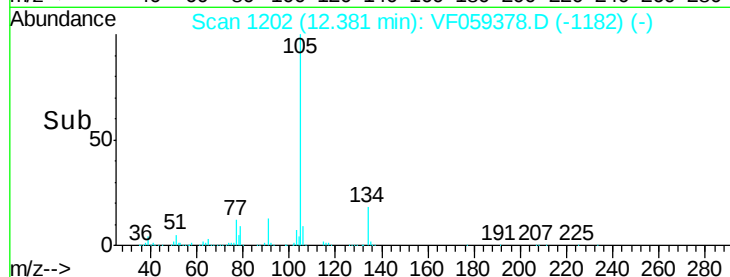
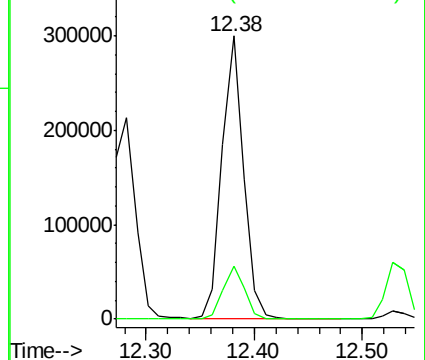
Manual Integrations  
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Abundance Ion 105.00 (104.70 to 105.70): V  
Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.87 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

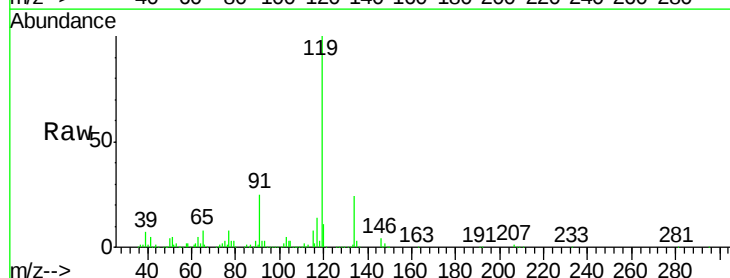
Tgt Ion:119 Resp: 348871

Ion Ratio Lower Upper

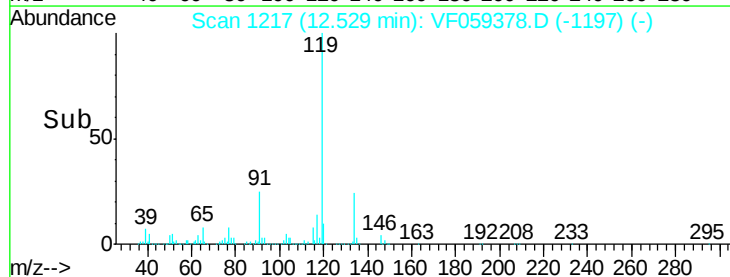
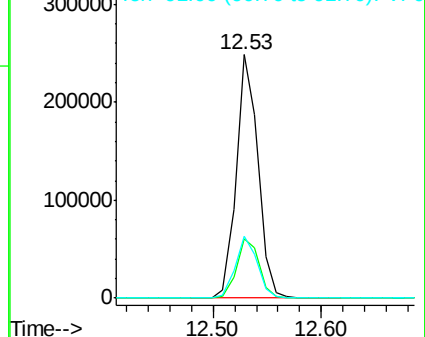
119 100

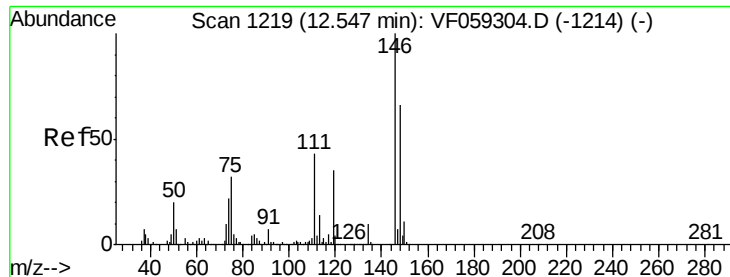
134 24.3 12.2 36.4

91 25.4 12.9 38.6



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): V





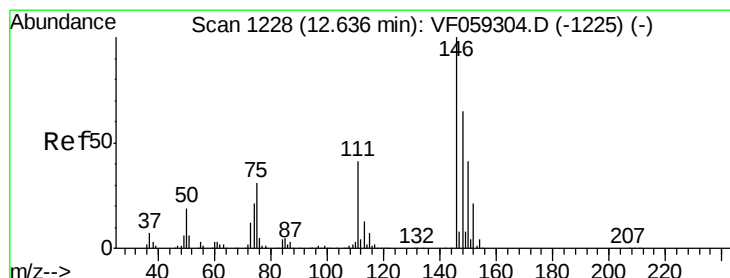
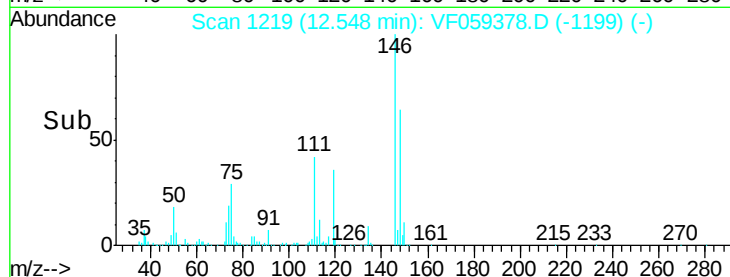
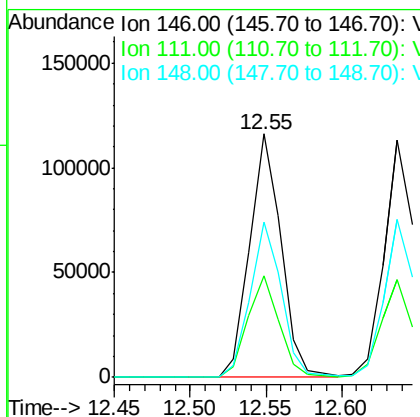
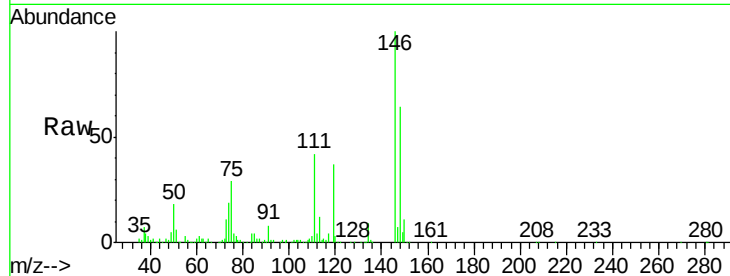
#87  
 1,3-Dichlorobenzene  
 Concen: 20.97 ug/l  
 RT: 12.55 min Scan# 1219  
 Delta R.T. 0.00 min  
 Lab File: VF059378.D  
 Acq: 29 Jun 2018 15:40

Instrument :  
 MSVOA\_F  
 ClientSampled :  
 VF0629SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.9  | 21.4  | 64.2  |
| 148     | 63.6  | 32.8  | 98.4  |

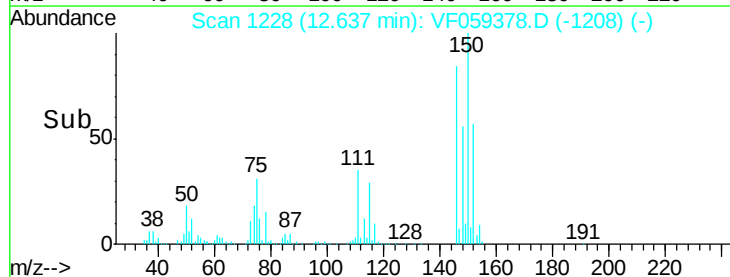
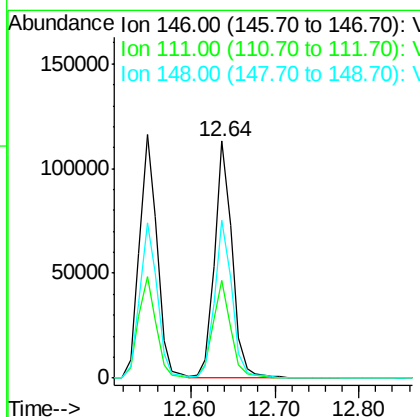
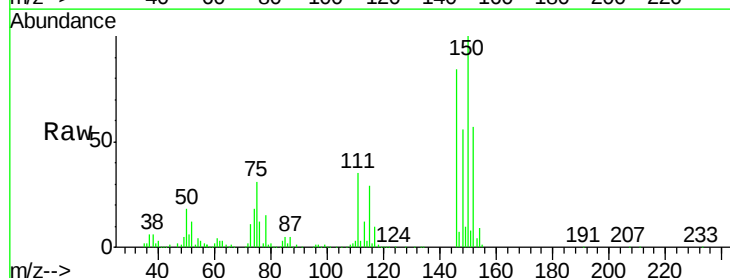
Manual Integrations  
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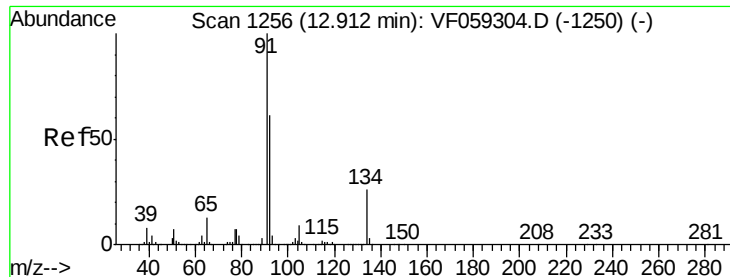
apatel  
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#88  
 1,4-Dichlorobenzene  
 Concen: 21.29 ug/l  
 RT: 12.64 min Scan# 1228  
 Delta R.T. 0.00 min  
 Lab File: VF059378.D  
 Acq: 29 Jun 2018 15:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.3  | 20.7  | 62.1  |
| 148     | 66.8  | 32.8  | 98.3  |





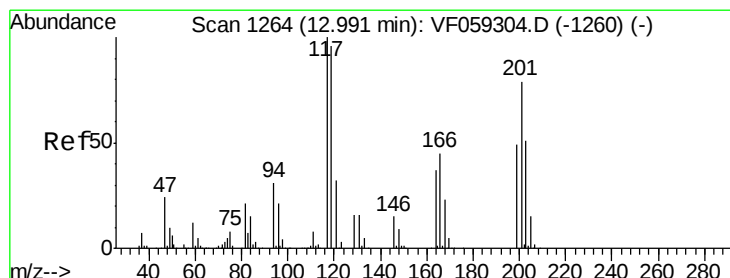
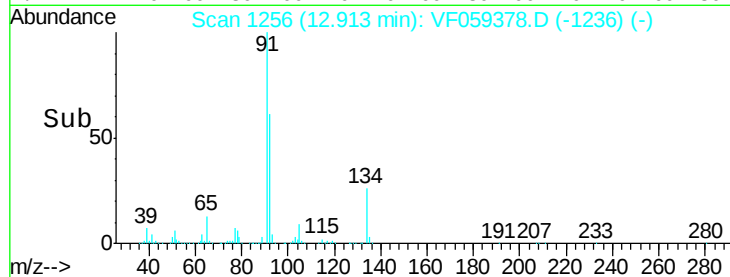
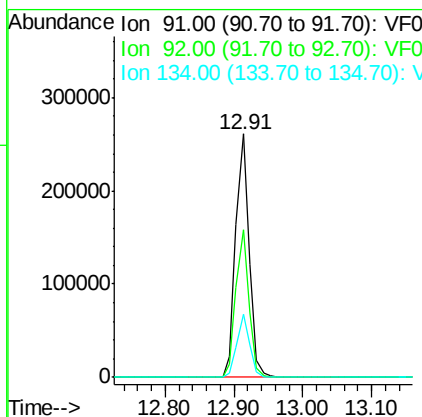
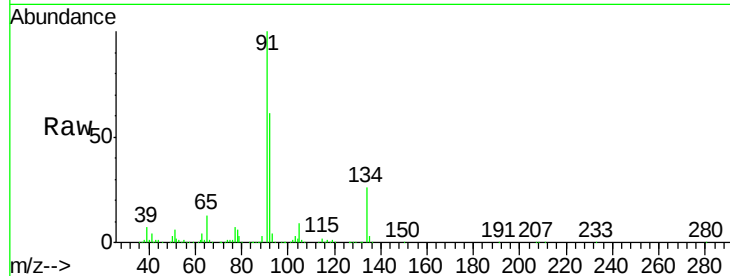
#89  
n-Butylbenzene  
Concen: 22.90 ug/l  
RT: 12.91 min Scan# 1256  
Delta R.T. 0.00 min  
Lab File: VF059378.D  
Acq: 29 Jun 2018 15:40

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0629SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 60.7  | 30.3  | 91.0  |
| 134     | 26.1  | 12.9  | 38.7  |

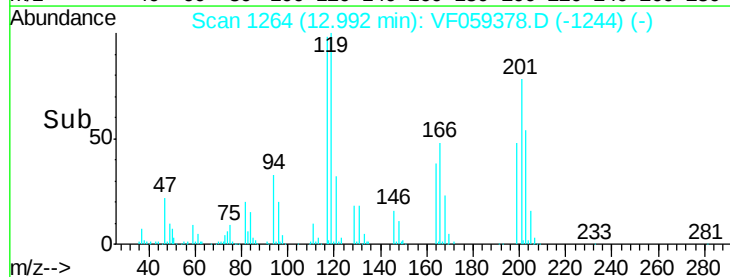
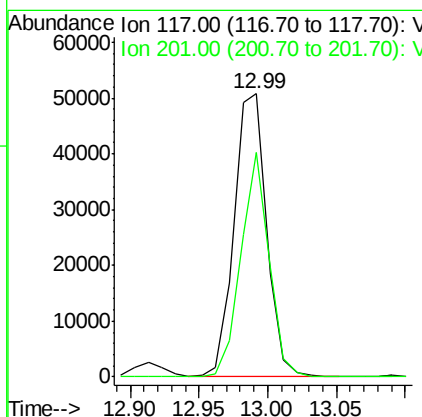
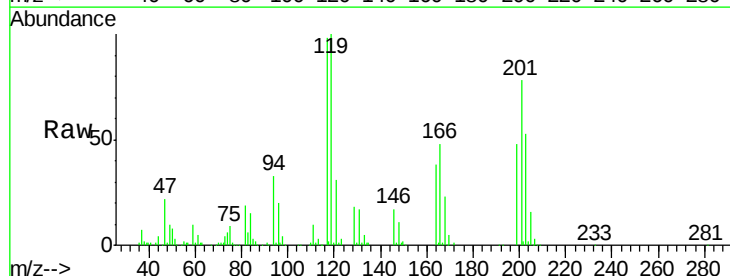
Manual Integrations  
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#90  
Hexachloroethane  
Concen: 21.90 ug/l  
RT: 12.99 min Scan# 1264  
Delta R.T. 0.00 min  
Lab File: VF059378.D  
Acq: 29 Jun 2018 15:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 79.3  | 39.5  | 118.5 |





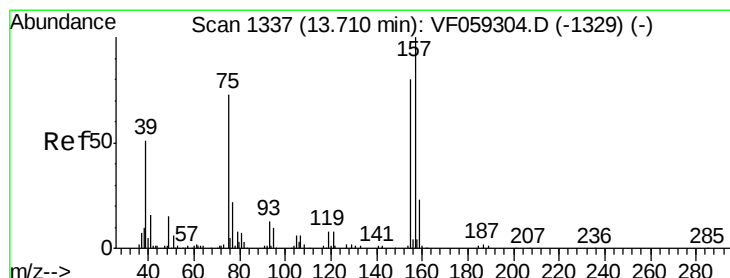
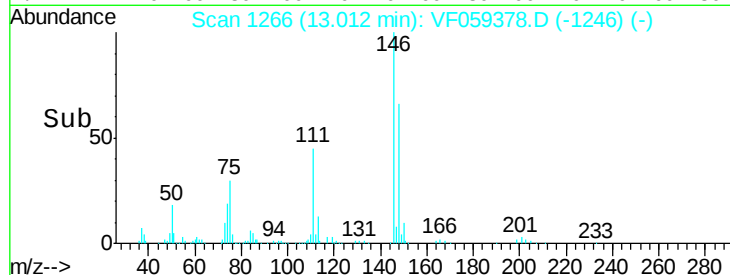
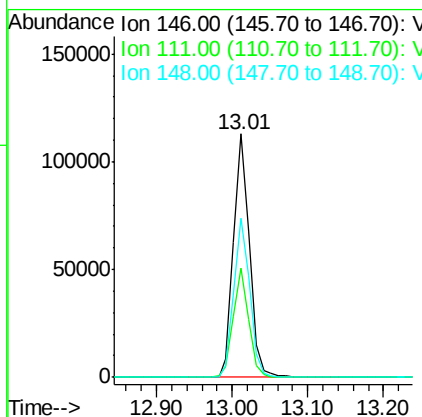
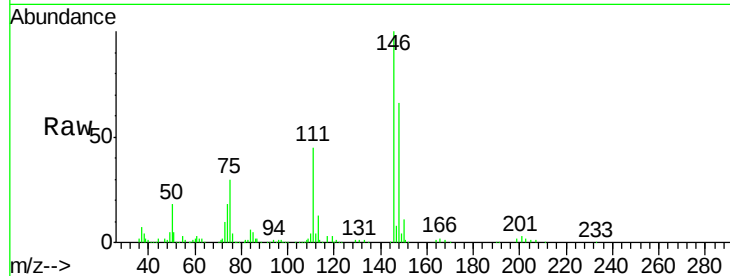
#91  
 1,2-Dichlorobenzene  
 Concen: 20.66 ug/l  
 RT: 13.01 min Scan# 1266  
 Delta R.T. 0.00 min  
 Lab File: VF059378.D  
 Acq: 29 Jun 2018 15:40

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0629SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 45.0  | 22.7  | 68.0  |
| 148     | 65.5  | 33.5  | 100.4 |

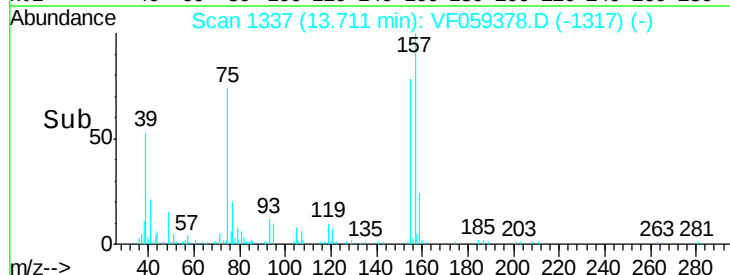
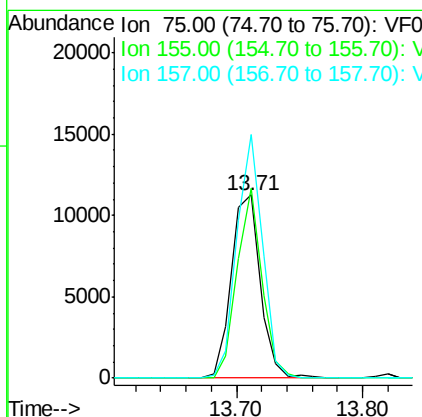
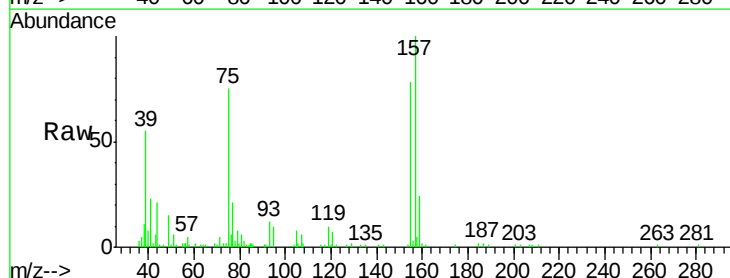
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 20.38 ug/l  
 RT: 13.71 min Scan# 1337  
 Delta R.T. 0.00 min  
 Lab File: VF059378.D  
 Acq: 29 Jun 2018 15:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 103.6 | 54.6  | 163.8 |
| 157     | 133.1 | 68.7  | 205.9 |





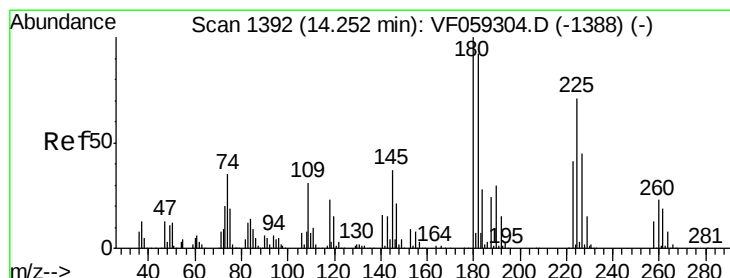
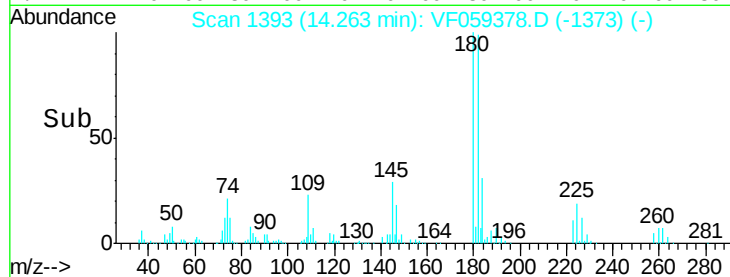
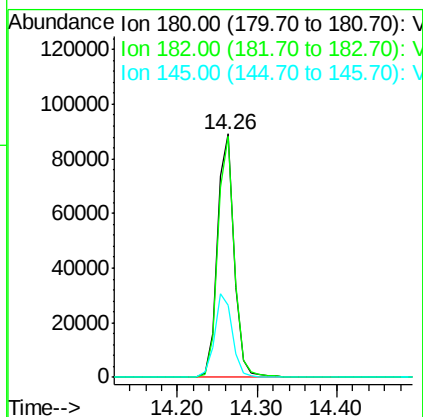
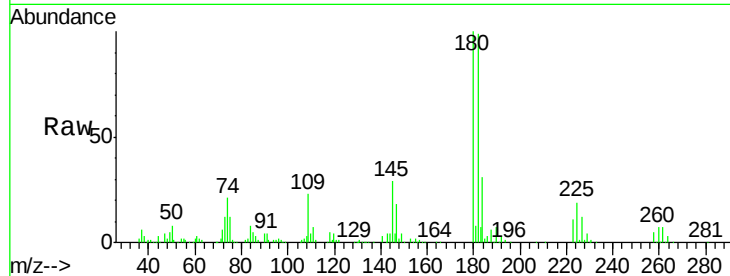
#93  
 1,2,4-Trichlorobenzene  
 Concen: 22.85 ug/l  
 RT: 14.26 min Scan# 1393  
 Delta R.T. 0.00 min  
 Lab File: VF059378.D  
 Acq: 29 Jun 2018 15:40

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0629SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 133198 |       |       |
| 182     | 99.0  | 48.1   | 144.3 |       |
| 145     | 29.4  | 15.3   | 45.8  |       |

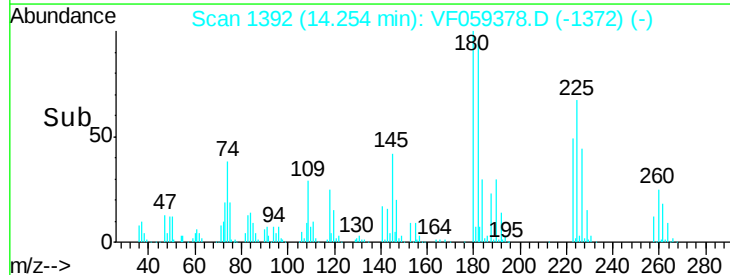
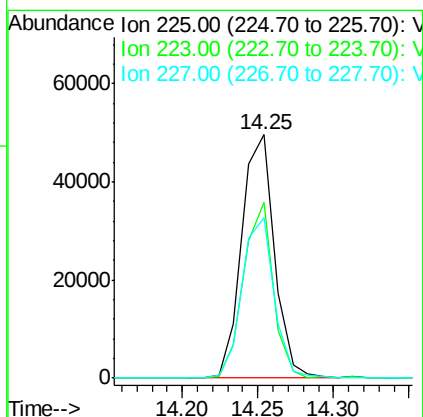
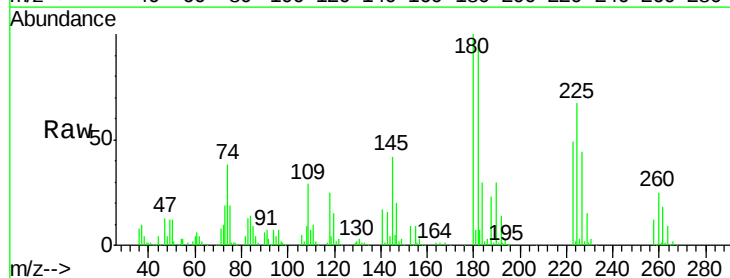
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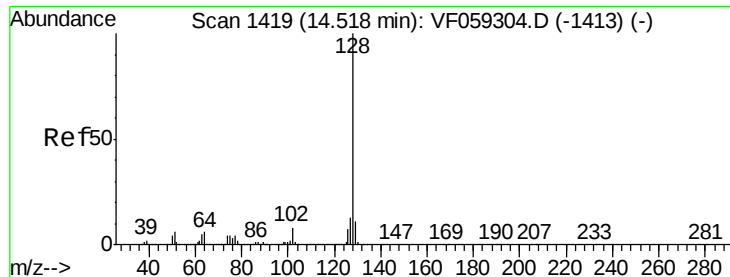
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#94  
 Hexachlorobutadiene  
 Concen: 22.94 ug/l  
 RT: 14.25 min Scan# 1392  
 Delta R.T. 0.00 min  
 Lab File: VF059378.D  
 Acq: 29 Jun 2018 15:40

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 74698 |       |       |
| 223     | 72.4  | 28.9  | 86.8  |       |
| 227     | 65.7  | 31.3  | 93.8  |       |





#95

Naphthalene

Concen: 22.08 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. 0.00 min

Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

Instrument :

MSVOA\_F

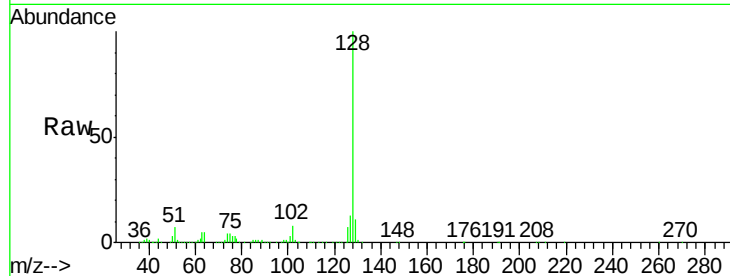
ClientSampleId :

VF0629SBS01

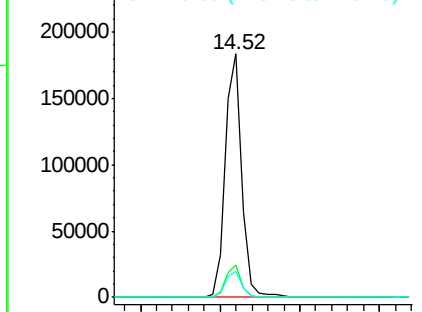
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 269342 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.4  | 10.1  | 15.1   |
| 129       | 10.9  | 8.8   | 13.2   |

Manual Integrations  
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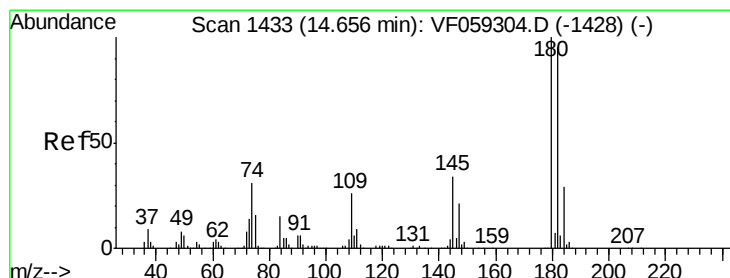
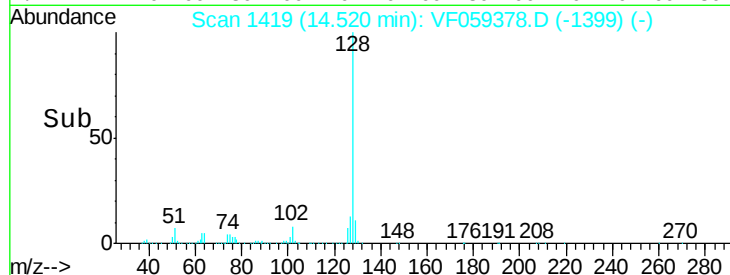
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Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 22.73 ug/l

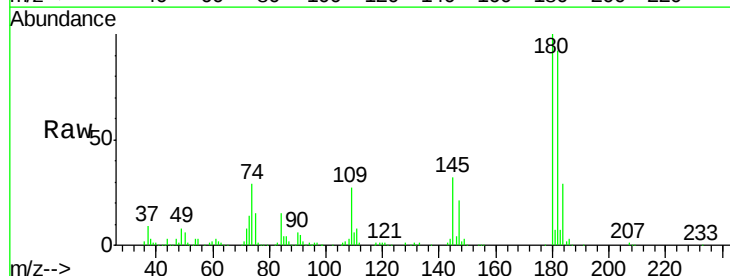
RT: 14.66 min Scan# 1433

Delta R.T. 0.00 min

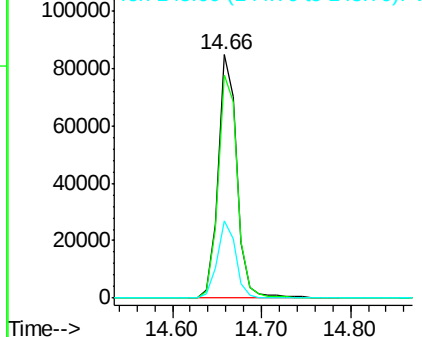
Lab File: VF059378.D

Acq: 29 Jun 2018 15:40

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 125534 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 91.7  | 47.5  | 142.5  |
| 145       | 31.7  | 17.0  | 50.9   |



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



Time-->

