

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062218\  
 Data File : VF059281.D  
 Acq On : 22 Jun 2018 18:42  
 Operator : VA/AP  
 Sample : VF0622SBS01  
 Misc : 5.00g/5mL/MSVOA-F/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0622SBS01

Manual Integrations  
 APPROVED

apatel  
 6/24/2018 11:34:44 AM

Quant Time: Jun 23 04:47:04 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F062118S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 22 05:22:31 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.03  | 168  | 235758   | 50.00 | ug/l  | -0.01    |
| 34) 1,4-Difluorobenzene    | 5.75  | 114  | 375638   | 50.00 | ug/l  | -0.01    |
| 63) Chlorobenzene-d5       | 9.91  | 117  | 375704   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.62 | 152  | 233245   | 50.00 | ug/l  | -0.01    |

## System Monitoring Compounds

|                           |        |     |          |       |         |       |
|---------------------------|--------|-----|----------|-------|---------|-------|
| 33) 1,2-Dichloroethane-d4 | 5.00   | 65  | 186379   | 55.07 | ug/l    | -0.01 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 110.14% |       |
| 35) Dibromofluoromethane  | 4.28   | 113 | 162760   | 51.50 | ug/l    | -0.01 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 103.00% |       |
| 50) Toluene-d8            | 7.69   | 98  | 416539   | 51.82 | ug/l    | -0.01 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 103.64% |       |
| 62) 4-Bromofluorobenzene  | 11.50  | 95  | 230333   | 51.67 | ug/l    | -0.01 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 103.34% |       |

## Target Compounds

|                               |      |     |        |        |        | Qvalue |
|-------------------------------|------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 0.98 | 85  | 58239  | 21.22  | ug/l   | 97     |
| 3) Chloromethane              | 1.08 | 50  | 41057  | 23.74  | ug/l   | 96     |
| 4) Vinyl Chloride             | 1.14 | 62  | 37004  | 21.58  | ug/l   | 96     |
| 5) Bromomethane               | 1.33 | 94  | 25560  | 20.73  | ug/l   | 96     |
| 6) Chloroethane               | 1.42 | 64  | 20005  | 23.92  | ug/l   | 99     |
| 7) Trichlorofluoromethane     | 1.48 | 101 | 74759m | 22.27  | ug/l   |        |
| 8) Diethyl Ether              | 1.70 | 74  | 16730  | 22.14  | ug/l   | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 1.90 | 101 | 38951  | 20.79  | ug/l   | 91     |
| 10) Methyl Iodide             | 1.95 | 142 | 73271  | 21.40  | ug/l   | 96     |
| 11) Tert butyl alcohol        | 2.67 | 59  | 19166  | 97.19  | ug/l   | 94     |
| 12) 1,1-Dichloroethene        | 1.85 | 96  | 37717  | 22.57  | ug/l   | 93     |
| 13) Acrolein                  | 2.07 | 56  | 19065  | 119.62 | ug/l # | 81     |
| 14) Allyl chloride            | 2.18 | 41  | 74642  | 24.20  | ug/l   | 98     |
| 15) Acrylonitrile             | 3.06 | 53  | 45324  | 139.46 | ug/l   | 95     |
| 16) Acetone                   | 2.33 | 43  | 100608 | 125.79 | ug/l   | 98     |
| 17) Carbon Disulfide          | 1.86 | 76  | 84572  | 20.84  | ug/l   | 95     |
| 18) Methyl Acetate            | 2.44 | 43  | 32717  | 21.70  | ug/l # | 92     |
| 19) Methyl tert-butyl Ether   | 2.53 | 73  | 137720 | 24.57  | ug/l   | 97     |
| 20) Methylene Chloride        | 2.27 | 84  | 41285m | 24.57  | ug/l   |        |
| 21) trans-1,2-Dichloroethene  | 2.40 | 96  | 39938  | 22.90  | ug/l   | 97     |
| 22) Diisopropyl ether         | 2.91 | 45  | 157087 | 24.55  | ug/l   | 95     |
| 23) Vinyl Acetate             | 3.31 | 43  | 525808 | 128.47 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 2.99 | 63  | 96678  | 23.30  | ug/l   | 98     |
| 25) 2-Butanone                | 4.49 | 43  | 129804 | 121.66 | ug/l   | 99     |
| 26) 2,2-Dichloropropane       | 3.75 | 77  | 65467  | 22.64  | ug/l   | 98     |
| 27) cis-1,2-Dichloroethene    | 3.62 | 96  | 62507  | 23.59  | ug/l   | 98     |
| 28) Bromochloromethane        | 3.88 | 49  | 43272  | 25.63  | ug/l # | 80     |
| 29) Tetrahydrofuran           | 4.24 | 42  | 57819  | 120.70 | ug/l   | 97     |
| 30) Chloroform                | 4.02 | 83  | 135932 | 22.63  | ug/l   | 99     |
| 31) Cyclohexane               | 3.84 | 56  | 64539  | 22.60  | ug/l   | 92     |
| 32) 1,1,1-Trichloroethane     | 4.25 | 97  | 99375  | 21.91  | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 4.44 | 75  | 83407  | 21.13  | ug/l   | 97     |
| 37) Ethyl Acetate             | 4.27 | 43  | 59130  | 23.44  | ug/l   | 96     |
| 38) Carbon Tetrachloride      | 4.15 | 117 | 107380 | 22.14  | ug/l   | 95     |

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

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0622SBS01

Manual Integrations  
 APPROVED

apatel  
 6/24/2018 11:34:44 AM

Quant Time: Jun 23 04:47:04 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F062118S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 22 05:22:31 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 5.61  | 83   | 80314    | 22.73  | ug/l   | 94       |
| 40) Benzene                    | 4.79  | 78   | 186895   | 22.31  | ug/l   | 93       |
| 41) Methacrylonitrile          | 4.91  | 41   | 28631    | 23.76  | ug/l # | 87       |
| 42) 1,2-Dichloroethane         | 5.10  | 62   | 105797   | 21.93  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 7.10  | 43   | 65525    | 21.20  | ug/l # | 97       |
| 44) Trichloroethene            | 5.66  | 130  | 65814    | 22.67  | ug/l   | 85       |
| 45) 1,2-Dichloropropane        | 6.39  | 63   | 57345    | 23.47  | ug/l   | 98       |
| 46) Dibromomethane             | 6.24  | 93   | 44740    | 21.69  | ug/l   | 95       |
| 47) Bromodichloromethane       | 6.53  | 83   | 113972   | 23.08  | ug/l   | 97       |
| 48) Methyl methacrylate        | 6.86  | 41   | 45201    | 23.10  | ug/l   | 93       |
| 49) 1,4-Dioxane                | 6.84  | 88   | 4478     | 394.60 | ug/l # | 80       |
| 51) 4-Methyl-2-Pentanone       | 8.39  | 43   | 269259   | 122.15 | ug/l   | 99       |
| 52) Toluene                    | 7.76  | 92   | 141489   | 21.89  | ug/l   | 93       |
| 53) t-1,3-Dichloropropene      | 8.41  | 75   | 108082   | 23.31  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 7.45  | 75   | 114391   | 23.37  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 8.63  | 97   | 56190    | 22.52  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 8.75  | 69   | 65153    | 22.83  | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 8.98  | 76   | 95744    | 23.20  | ug/l   | 89       |
| 58) 2-Chloroethyl Vinyl ether  | 7.76  | 63   | 24487    | 107.32 | ug/l   | 100      |
| 59) 2-Hexanone                 | 9.61  | 43   | 219476   | 125.59 | ug/l   | 96       |
| 60) Dibromochloromethane       | 8.84  | 129  | 84364    | 22.98  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 9.12  | 107  | 65515    | 22.79  | ug/l   | 96       |
| 64) Tetrachloroethene          | 8.29  | 164  | 64417    | 22.33  | ug/l   | 95       |
| 65) Chlorobenzene              | 9.93  | 112  | 186461   | 23.32  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.06 | 131  | 75671    | 22.72  | ug/l   | 92       |
| 67) Ethyl Benzene              | 10.03 | 91   | 308542   | 22.73  | ug/l   | 98       |
| 68) m/p-Xylenes                | 10.25 | 106  | 229274   | 47.00  | ug/l   | 100      |
| 69) o-Xylene                   | 10.82 | 106  | 129453   | 24.03  | ug/l   | 100      |
| 70) Styrene                    | 10.89 | 104  | 193103   | 23.77  | ug/l   | 99       |
| 71) Bromoform                  | 10.88 | 173  | 55277    | 23.27  | ug/l   | 91       |
| 73) Isopropylbenzene           | 11.22 | 105  | 370818   | 23.08  | ug/l   | 97       |
| 74) N-amyl acetate             | 11.46 | 43   | 131707   | 25.10  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.77 | 83   | 88333    | 23.43  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane     | 11.88 | 75   | 66721    | 24.17  | ug/l   | 98       |
| 77) Bromobenzene               | 11.59 | 156  | 92272    | 21.26  | ug/l   | 87       |
| 78) n-propylbenzene            | 11.67 | 91   | 441153   | 23.21  | ug/l   | 93       |
| 79) 2-Chlorotoluene            | 11.80 | 91   | 258187   | 22.65  | ug/l   | 95       |
| 80) 1,3,5-Trimethylbenzene     | 11.90 | 105  | 312985   | 23.04  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-buten | 11.95 | 75   | 40571    | 22.95  | ug/l   | 93       |
| 82) 4-Chlorotoluene            | 11.98 | 91   | 278652   | 22.76  | ug/l   | 94       |
| 83) tert-Butylbenzene          | 12.21 | 119  | 319083   | 23.21  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 12.28 | 105  | 328344   | 22.95  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 12.38 | 105  | 393673   | 21.45  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 12.53 | 119  | 368224   | 24.34  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 12.55 | 146  | 182895   | 23.50  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 12.64 | 146  | 173766   | 22.61  | ug/l   | 98       |
| 89) n-Butylbenzene             | 12.92 | 91   | 368173   | 23.90  | ug/l   | 96       |
| 90) Hexachloroethane           | 12.98 | 117  | 88084    | 23.29  | ug/l   | 84       |
| 91) 1,2-Dichlorobenzene        | 13.01 | 146  | 181009   | 23.45  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.70 | 75   | 17510    | 21.51  | ug/l   | 71       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF062218\  
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Acq On : 22 Jun 2018 18:42  
Operator : VA/AP  
Sample : VF0622SBS01  
Misc : 5.00g/5mL/MSVOA-F/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0622SBS01

Manual Integrations  
APPROVED

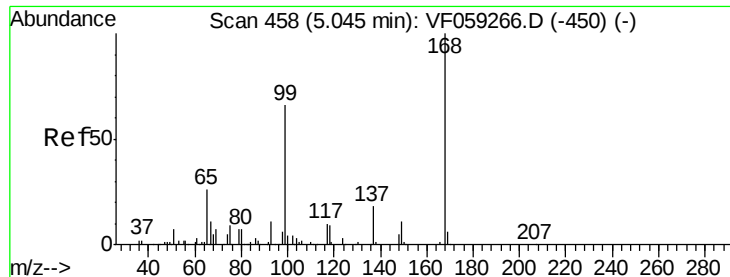
apatel  
6/24/2018 11:34:44 AM

Quant Time: Jun 23 04:47:04 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F062118S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 22 05:22:31 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.26 | 180  | 135615   | 24.05 | ug/l  | 95       |
| 94) Hexachlorobutadiene    | 14.25 | 225  | 77260    | 23.12 | ug/l  | 97       |
| 95) Naphthalene            | 14.51 | 128  | 274985   | 23.75 | ug/l  | 97       |
| 96) 1,2,3-Trichlorobenzene | 14.66 | 180  | 123582   | 23.29 | ug/l  | 100      |

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





#1

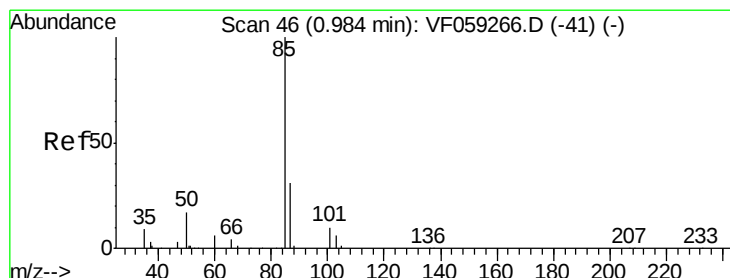
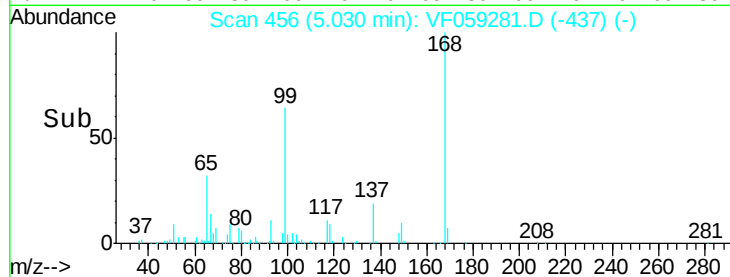
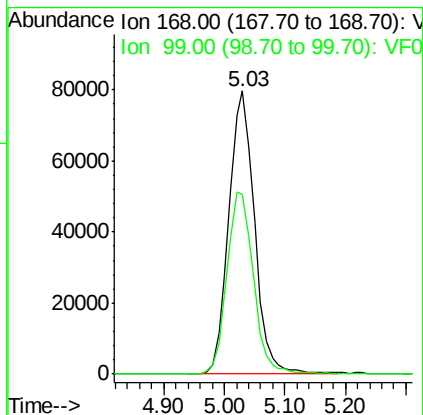
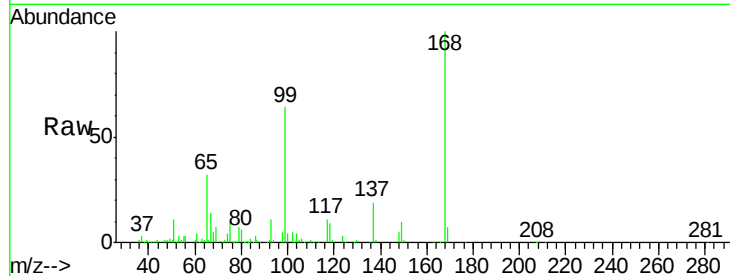
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.03 min Scan# 456  
Delta R.T. -0.01 min  
Lab File: VF059281.D  
Acq: 22 Jun 2018 18:42

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0622SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 168     | 100   | 235758 |       |       |
| 99      | 63.6  | 52.6   | 78.8  |       |

Manual Integrations  
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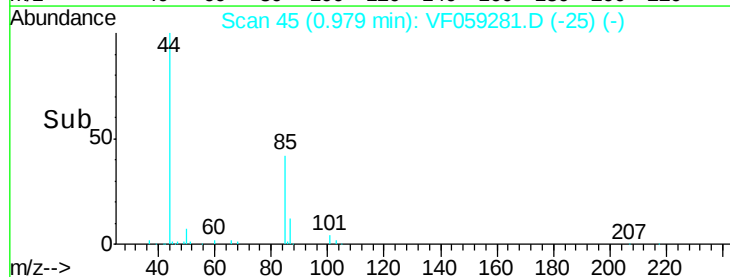
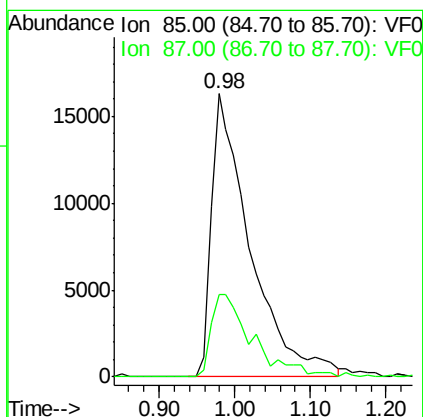
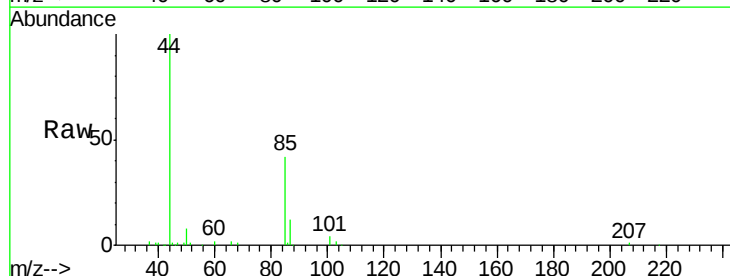
apatel  
6/24/2018 11:34:44 AM

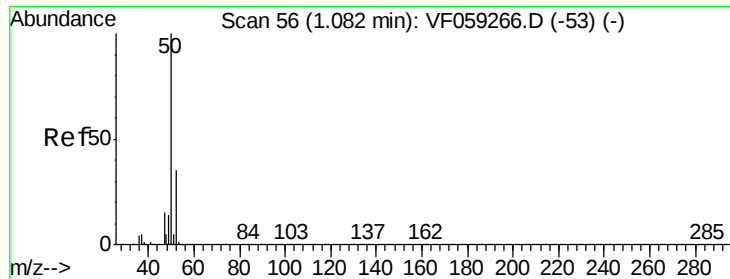


#2

Dichlorodifluoromethane  
Concen: 21.22 ug/l  
RT: 0.98 min Scan# 45  
Delta R.T. -0.00 min  
Lab File: VF059281.D  
Acq: 22 Jun 2018 18:42

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 85      | 100   | 58239 |       |       |
| 87      | 29.2  | 15.6  | 46.7  |       |





#3

Chloromethane

Concen: 23.74 ug/l

RT: 1.08 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA\_F

ClientSampleId :

VF0622SBS01

Tot Ion: 50 Resp: 41057

Ion Ratio Lower Upper

50 100

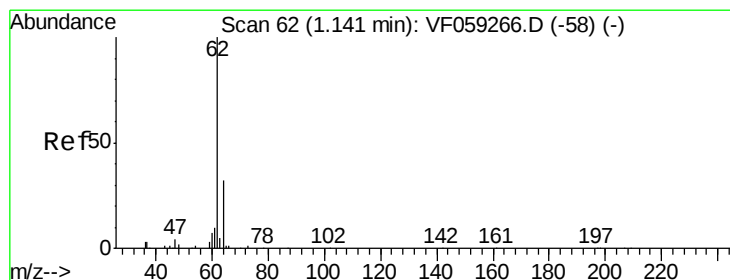
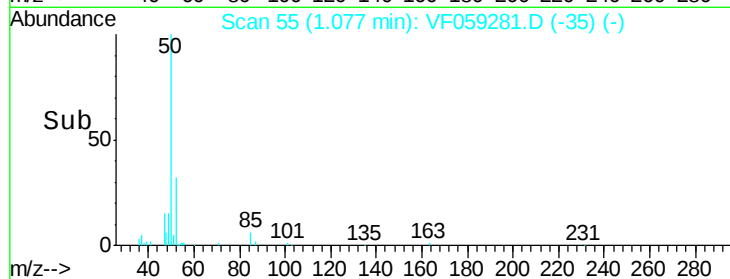
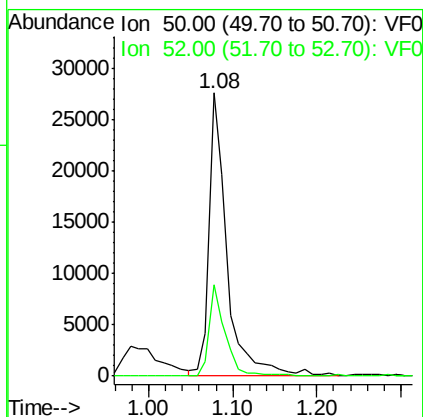
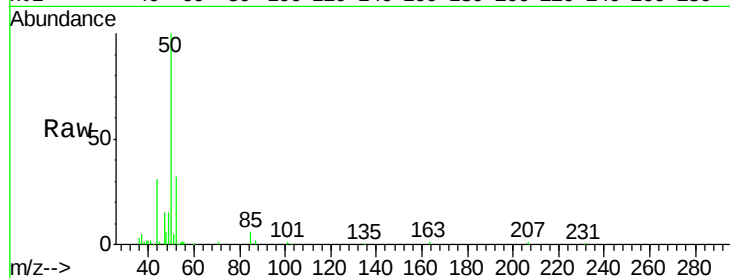
52 32.1 27.7 41.5

Manual Integrations

APPROVED

apatel

6/24/2018 11:34:44 AM



#4

Vinyl Chloride

Concen: 21.58 ug/l

RT: 1.14 min Scan# 61

Delta R.T. -0.00 min

Lab File: VF059281.D

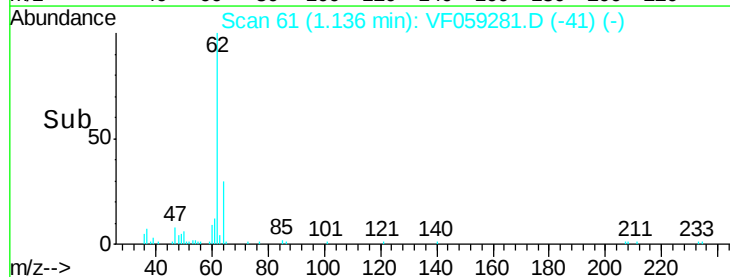
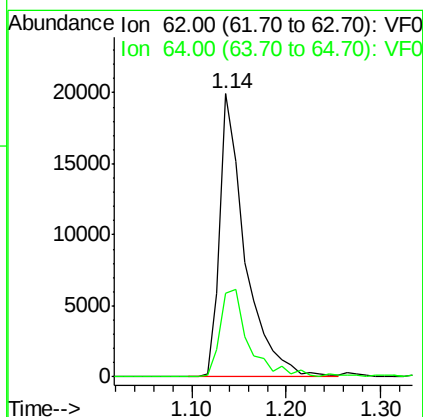
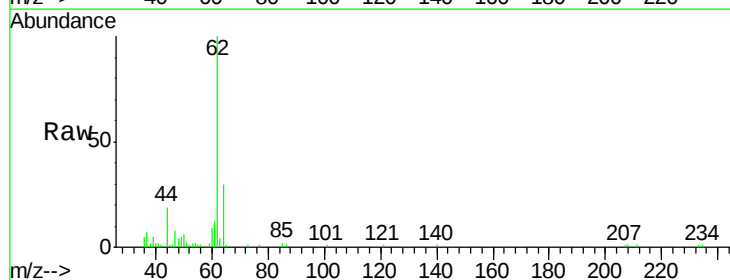
Acq: 22 Jun 2018 18:42

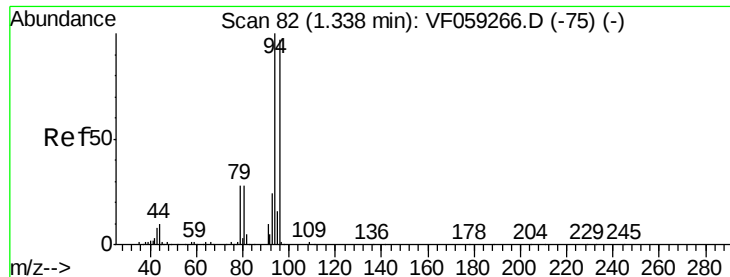
Tgt Ion: 62 Resp: 37004

Ion Ratio Lower Upper

62 100

64 29.7 25.7 38.5





#5

Bromomethane

Concen: 20.73 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.00 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA\_F

ClientSampleId :

VF0622SBS01

Tot Ion: 94 Resp: 25560

Ion Ratio Lower Upper

94 100

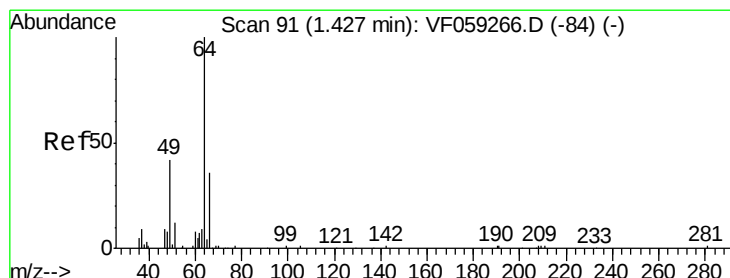
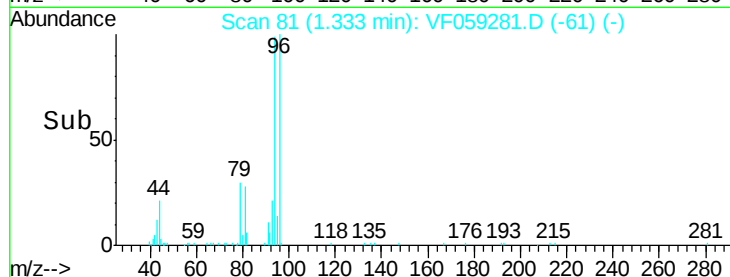
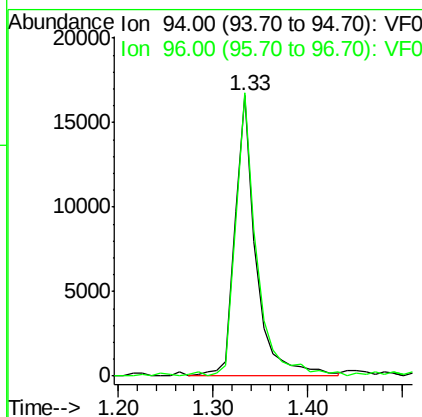
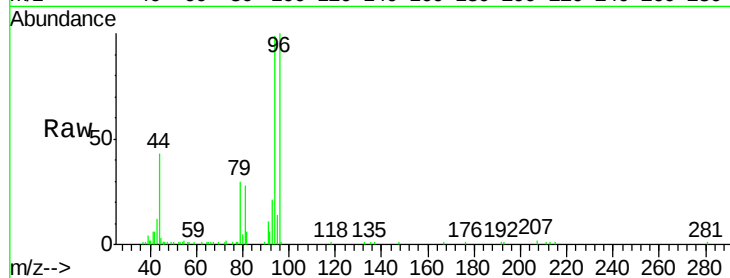
96 100.9 77.7 116.5

Manual Integrations

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apatel

6/24/2018 11:34:44 AM



#6

Chloroethane

Concen: 23.92 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.00 min

Lab File: VF059281.D

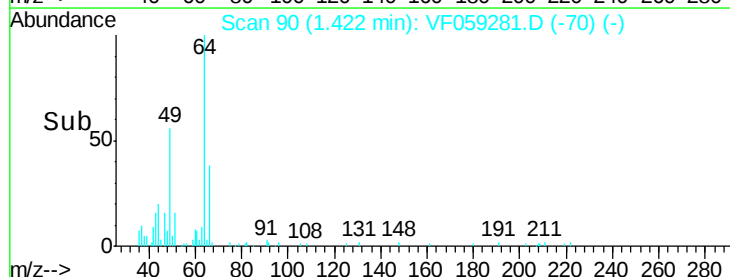
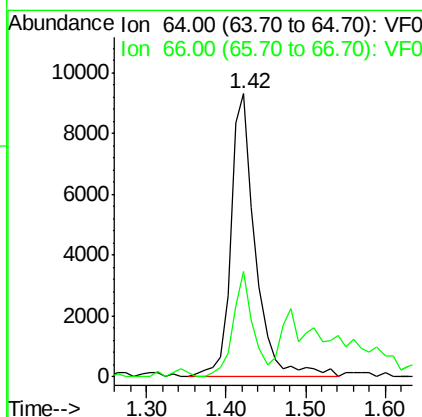
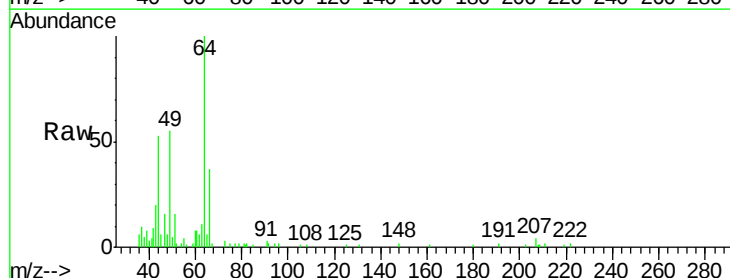
Acq: 22 Jun 2018 18:42

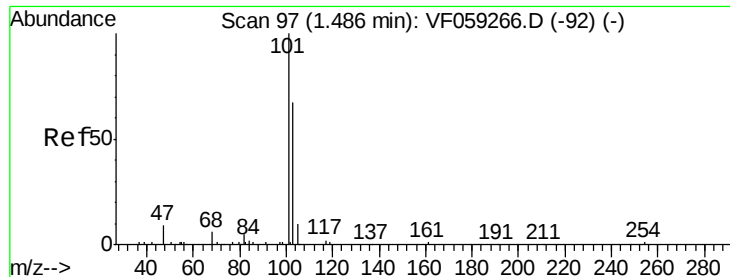
Tgt Ion: 64 Resp: 20005

Ion Ratio Lower Upper

64 100

66 37.4 29.4 44.2





#7

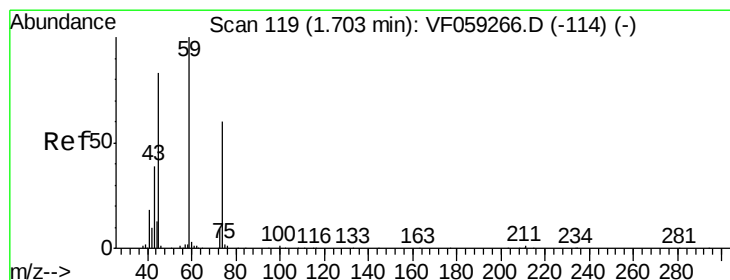
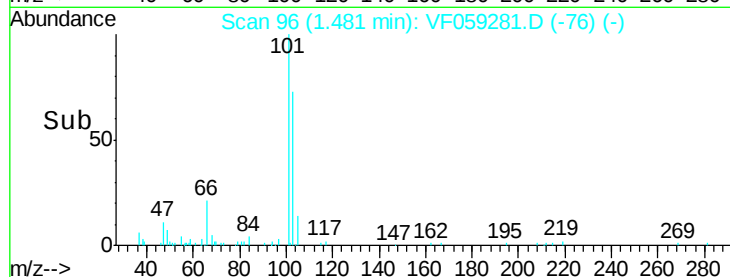
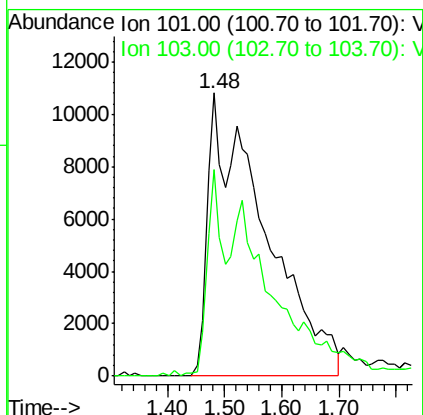
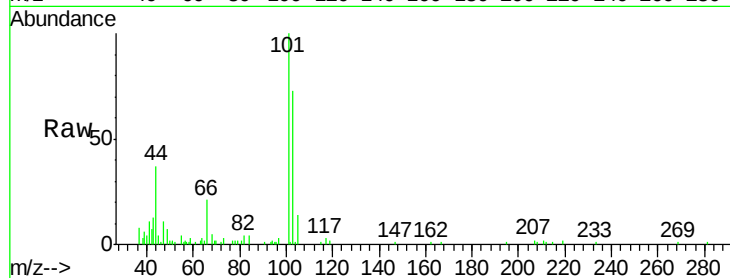
Trichlorofluoromethane  
Concen: 22.27 ug/l m  
RT: 1.48 min Scan# 96  
Delta R.T. -0.00 min  
Lab File: VF059281.D  
Acq: 22 Jun 2018 18:42

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0622SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 72.8  | 53.8  | 80.8  |

Manual Integrations  
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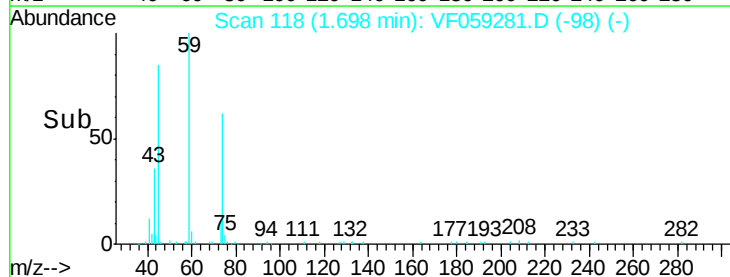
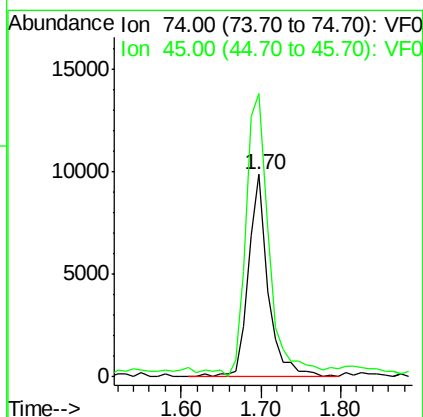
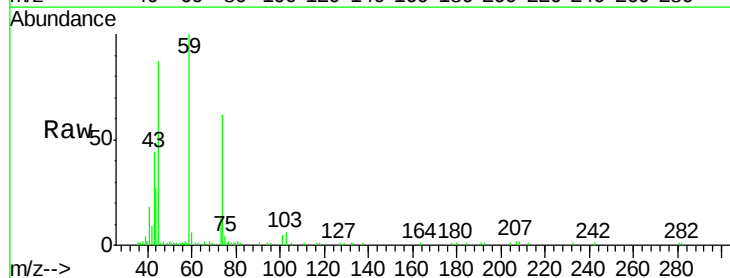
apatel  
6/24/2018 11:34:44 AM

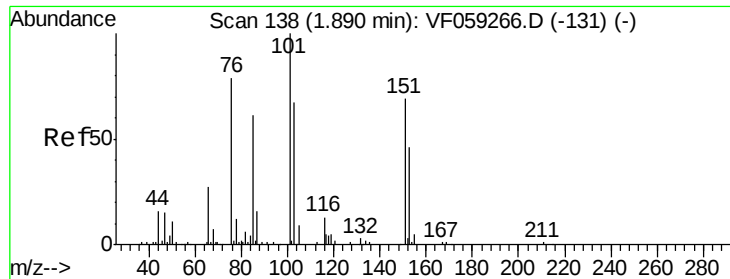


#8

Diethyl Ether  
Concen: 22.14 ug/l  
RT: 1.70 min Scan# 118  
Delta R.T. -0.00 min  
Lab File: VF059281.D  
Acq: 22 Jun 2018 18:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 139.8 | 69.2  | 207.4 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.79 ug/l

RT: 1.90 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA\_F

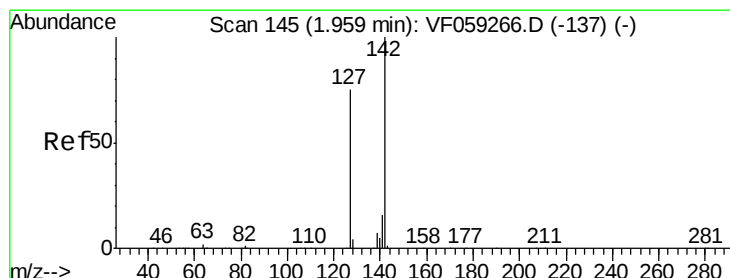
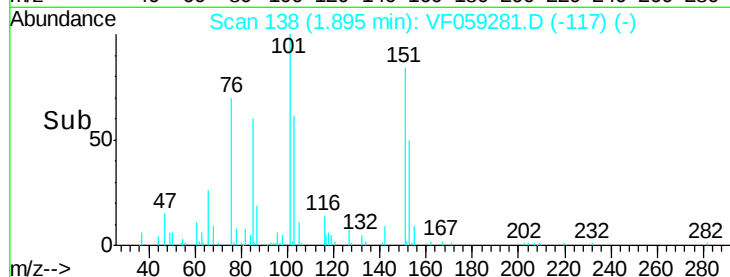
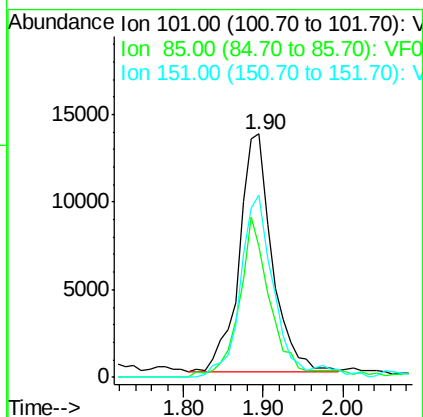
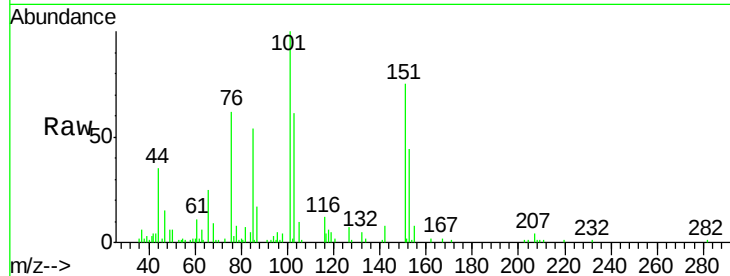
ClientSampleId :

VF0622SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 38951 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 53.6  | 47.2  | 70.8  |
| 151       | 74.7  | 53.3  | 79.9  |

Manual Integrations  
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6/24/2018 11:34:44 AM



#10

Methyl Iodide

Concen: 21.40 ug/l

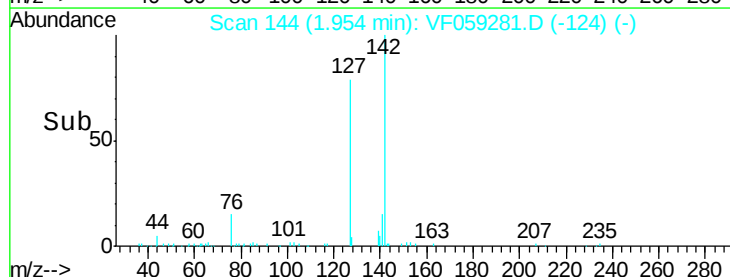
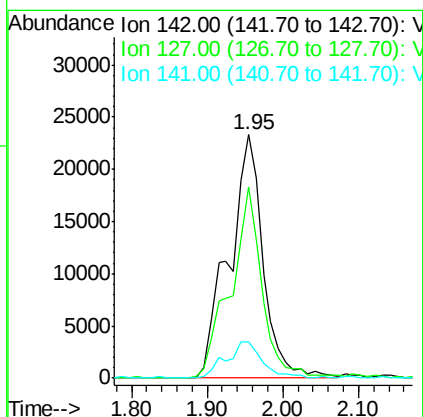
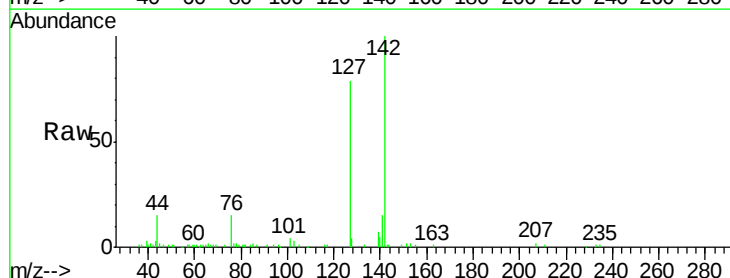
RT: 1.95 min Scan# 144

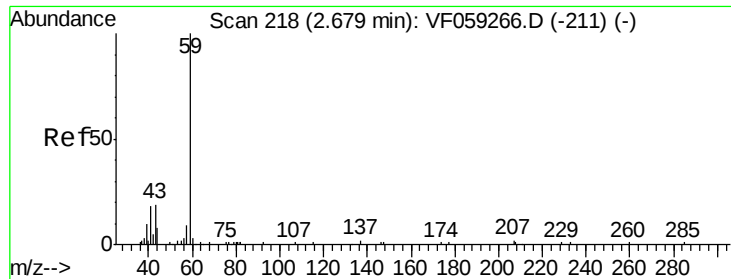
Delta R.T. -0.00 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 73271 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 78.6  | 59.9  | 89.9  |
| 141       | 14.9  | 12.7  | 19.1  |





#11

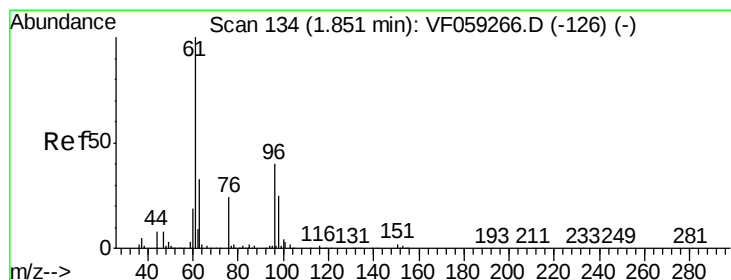
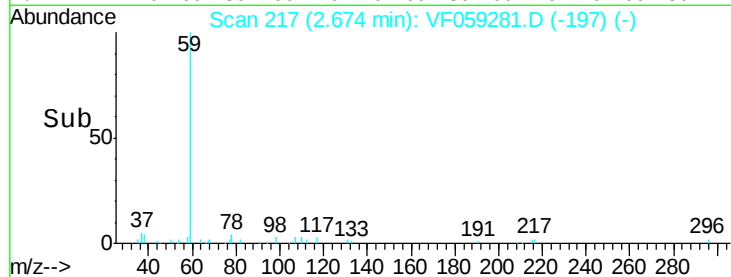
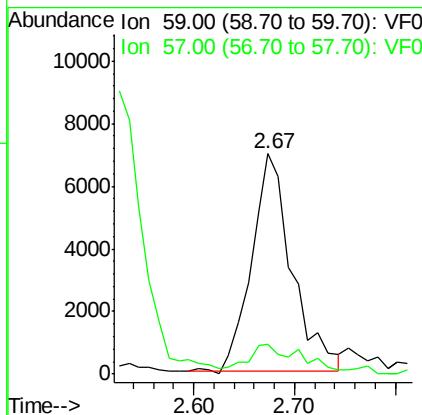
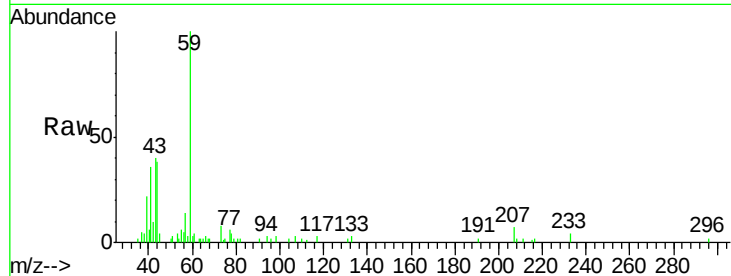
Tert butyl alcohol  
Concen: 97.19 ug/l  
RT: 2.67 min Scan# 217  
Delta R.T. -0.00 min  
Lab File: VF059281.D  
Acq: 22 Jun 2018 18:42

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0622SBS01

| Tot Ion   | 59   | Resp  | 19166 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 57        | 13.8 | 9.2   | 13.8  |

Manual Integrations  
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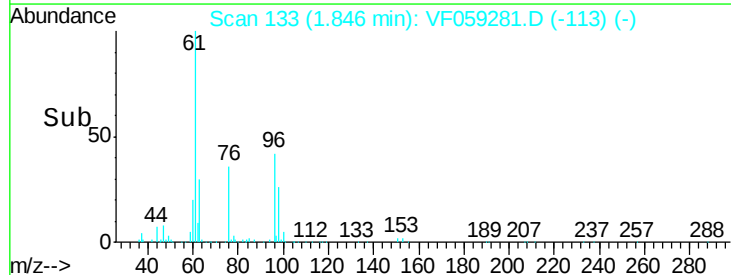
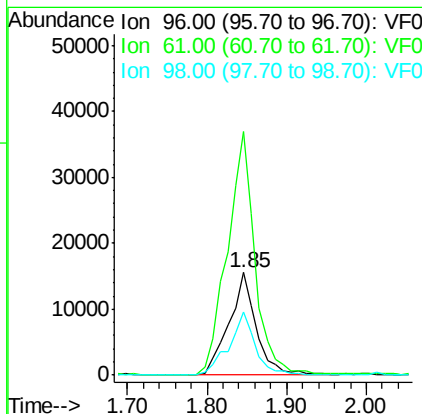
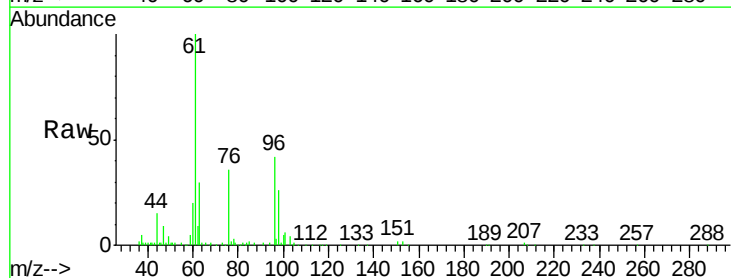
apatel  
6/24/2018 11:34:44 AM

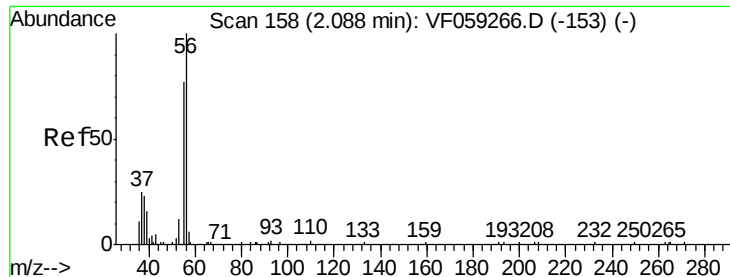


#12

1,1-Dichloroethene  
Concen: 22.57 ug/l  
RT: 1.85 min Scan# 133  
Delta R.T. -0.00 min  
Lab File: VF059281.D  
Acq: 22 Jun 2018 18:42

| Tgt Ion   | 96    | Resp  | 37717 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 61        | 237.7 | 201.4 | 302.2 |
| 98        | 61.2  | 50.0  | 75.0  |





#13

Acrolein

Concen: 119.62 ug/l

RT: 2.07 min Scan# 156

Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA\_F

ClientSampleId :

VF0622SBS01

Tot Ion: 56 Resp: 19065

Ion Ratio Lower Upper

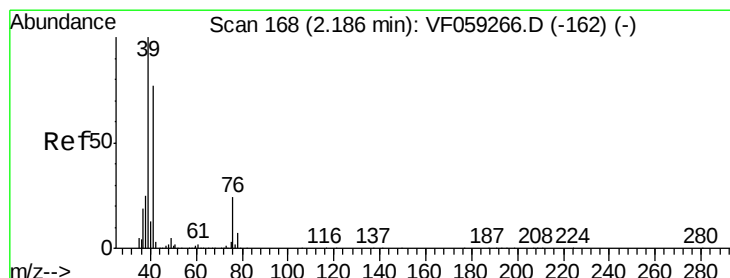
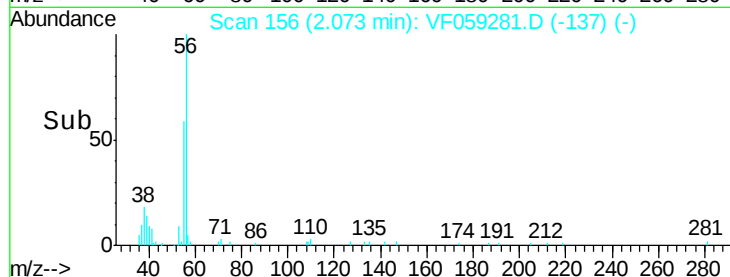
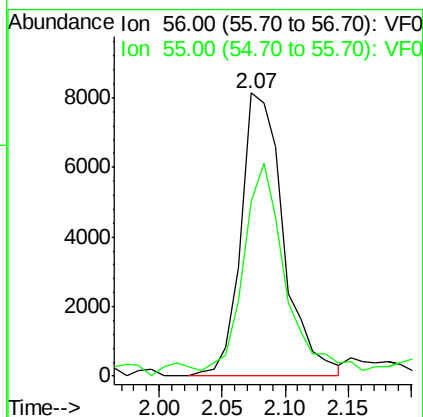
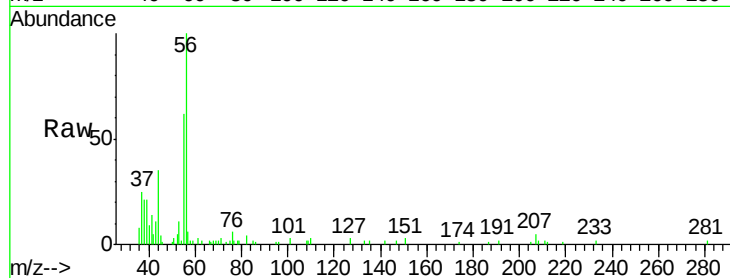
56 100

55 61.9 63.0 94.6#

Manual Integrations  
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#14

Allyl chloride

Concen: 24.20 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.00 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

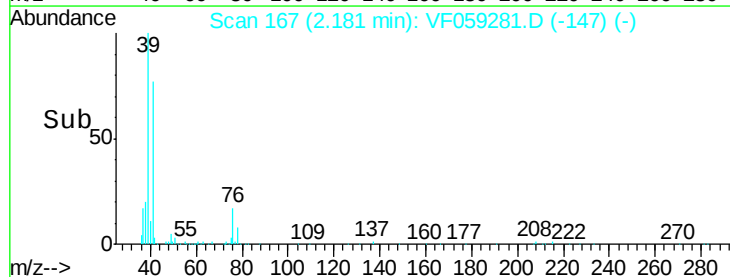
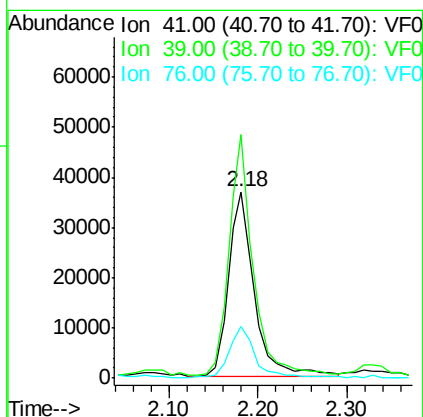
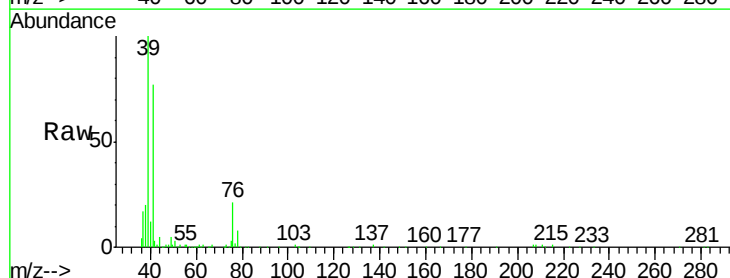
Tgt Ion: 41 Resp: 74642

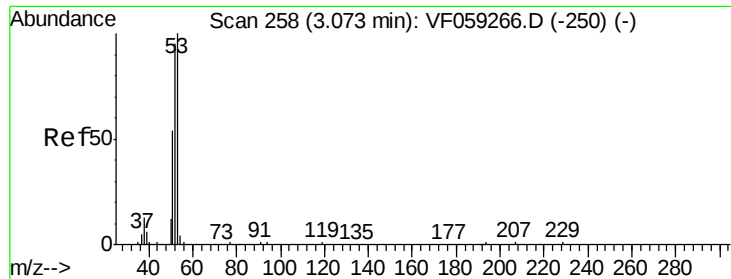
Ion Ratio Lower Upper

41 100

39 130.6 103.8 155.6

76 27.7 25.0 37.6





#15

Acrylonitrile

Concen: 139.46 ug/l

RT: 3.06 min Scan# 256

Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA\_F

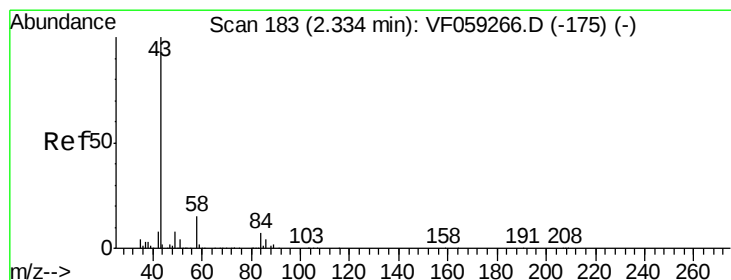
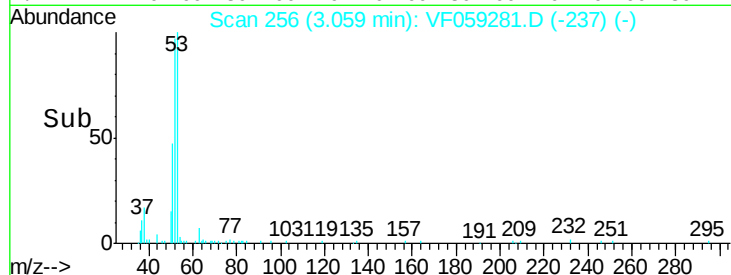
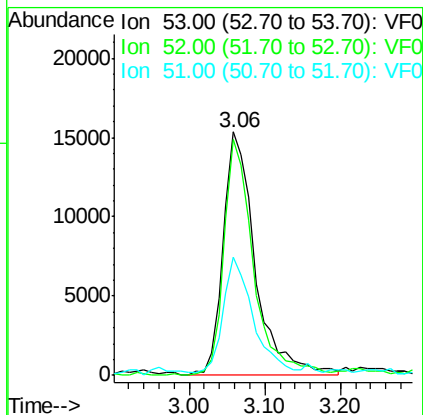
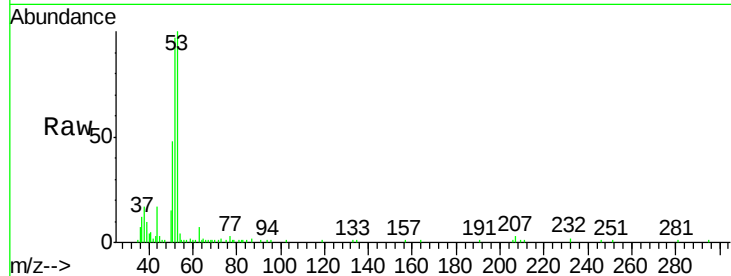
ClientSampleId :

VF0622SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 45324 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 97.1  | 75.7  | 113.5 |
| 51       | 48.5  | 44.5  | 66.7  |

Manual Integrations  
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#16

Acetone

Concen: 125.79 ug/l

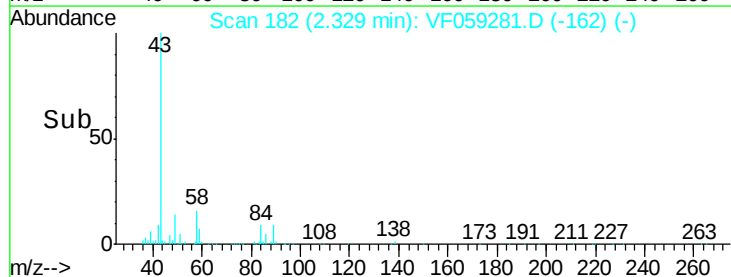
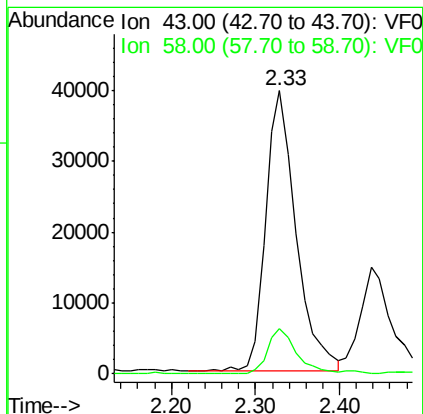
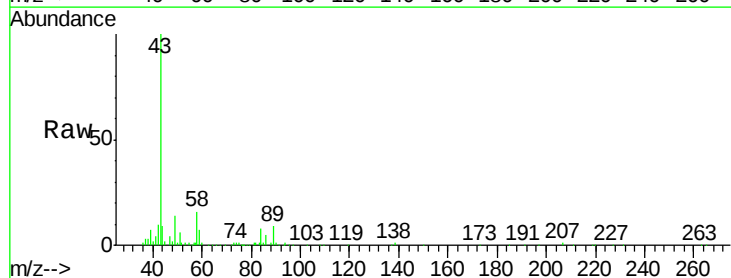
RT: 2.33 min Scan# 182

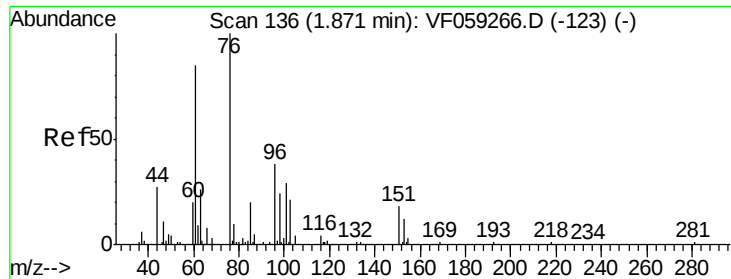
Delta R.T. -0.00 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 100608 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 16.1  | 12.1  | 18.1   |





#17

Carbon Disulfide

Concen: 20.84 ug/l

RT: 1.86 min Scan# 134

Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA\_F

ClientSampleId :

VF0622SBS01

Tot Ion: 76 Resp: 84572

Ion Ratio Lower Upper

76 100

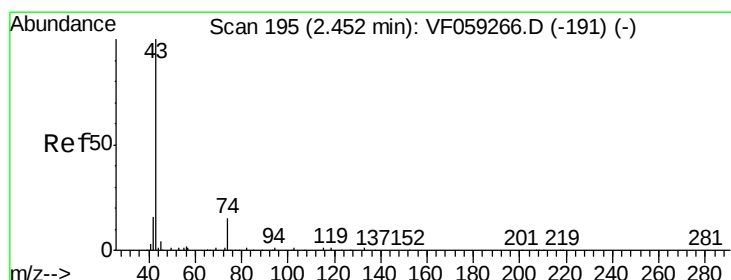
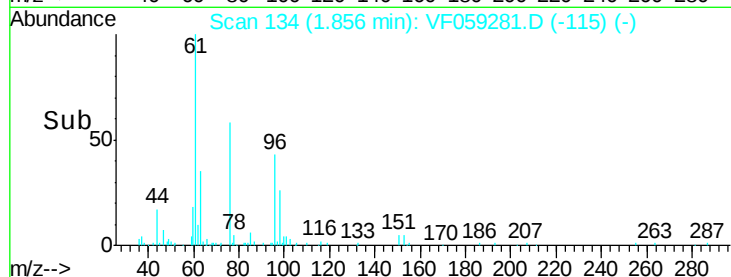
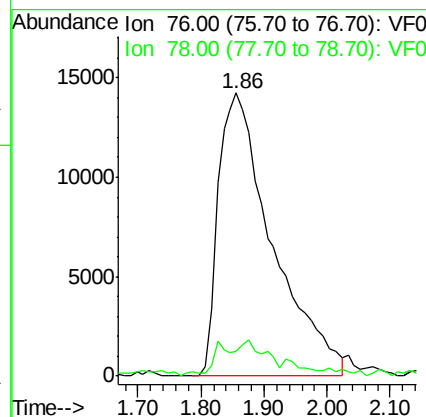
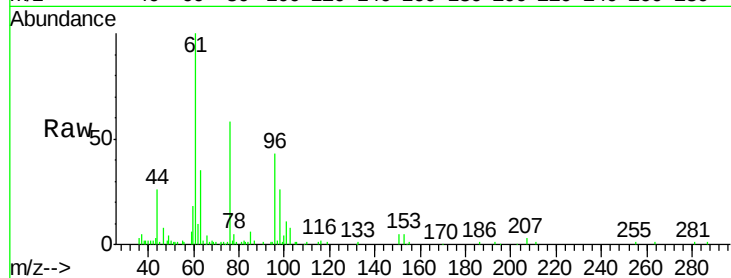
78 8.8 8.6 12.8

Manual Integrations

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#18

Methyl Acetate

Concen: 21.70 ug/l

RT: 2.44 min Scan# 193

Delta R.T. -0.01 min

Lab File: VF059281.D

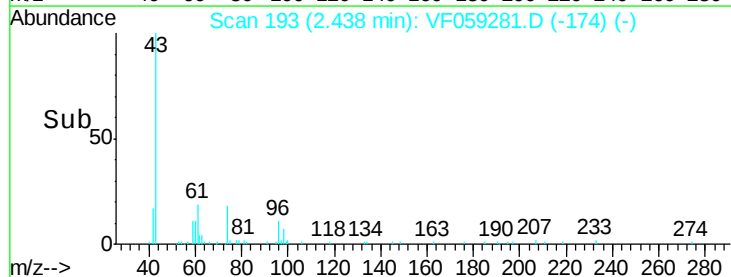
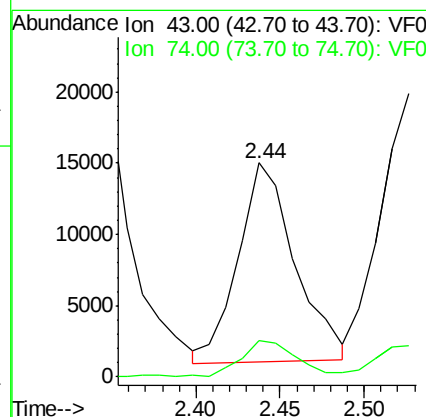
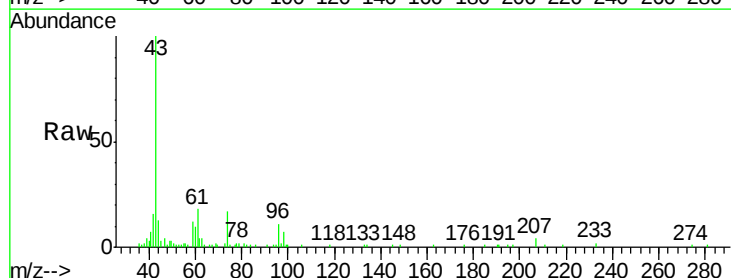
Acq: 22 Jun 2018 18:42

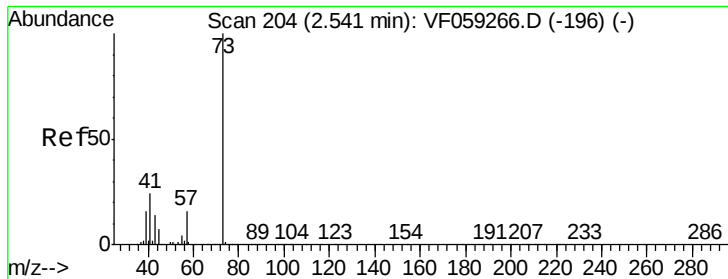
Tgt Ion: 43 Resp: 32717

Ion Ratio Lower Upper

43 100

74 17.0 11.0 16.4#





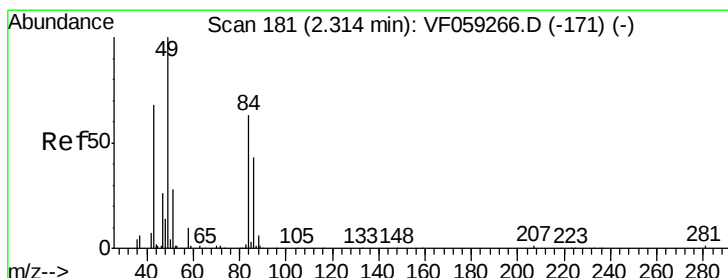
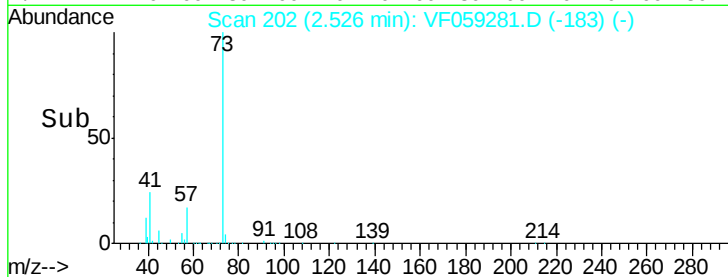
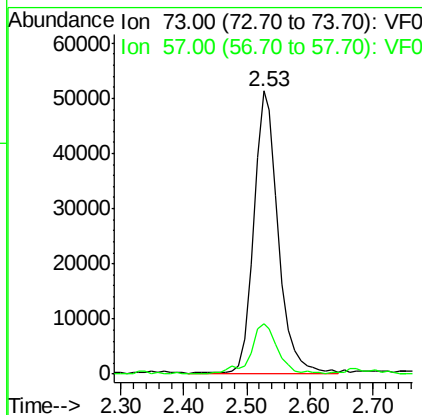
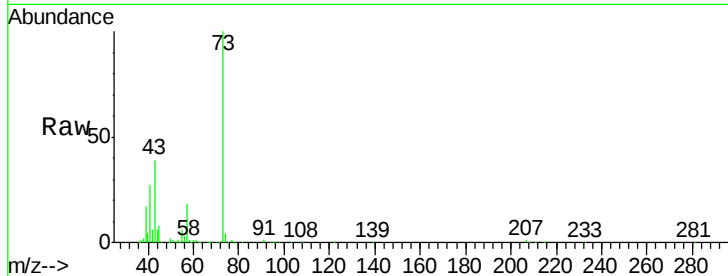
#19  
Methvl tert-butvl Ether  
Concen: 24.57 ug/l  
RT: 2.53 min Scan# 202  
Delta R.T. -0.01 min  
Lab File: VF059281.D  
Acq: 22 Jun 2018 18:42

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0622SBS01

Tot Ion: 73 Resp: 137720  
Ion Ratio Lower Upper  
73 100  
57 17.6 13.0 19.4

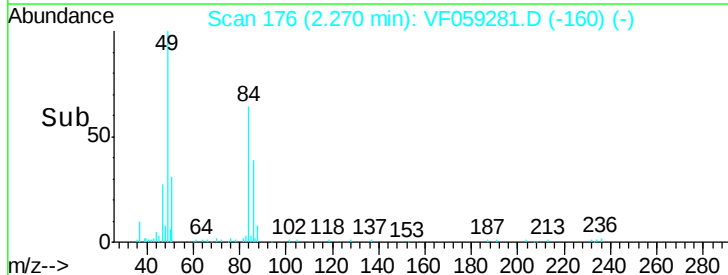
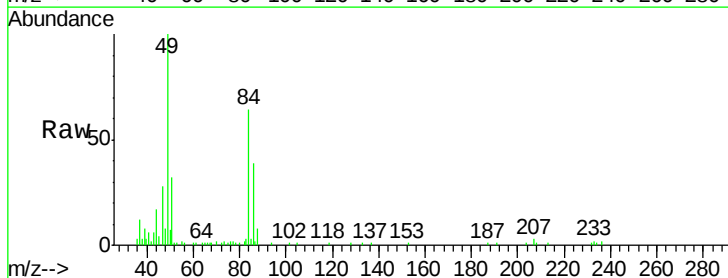
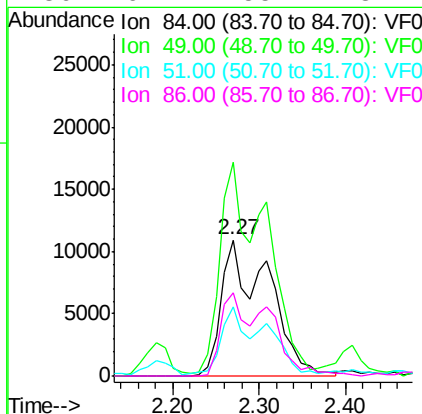
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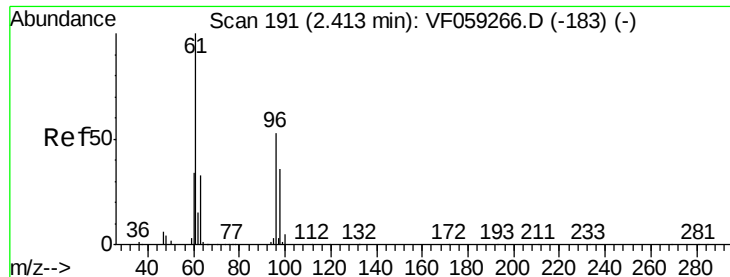
apatel  
6/24/2018 11:34:44 AM



#20  
Methylene Chloride  
Concen: 24.57 ug/l m  
RT: 2.27 min Scan# 176  
Delta R.T. -0.04 min  
Lab File: VF059281.D  
Acq: 22 Jun 2018 18:42

Tgt Ion: 84 Resp: 41285  
Ion Ratio Lower Upper  
84 100  
49 156.9 130.0 195.0  
51 50.3 36.6 55.0  
86 61.1 55.1 82.7





#21

trans-1,2-Dichloroethene

Concen: 22.90 ug/l

RT: 2.40 min Scan# 189

Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA\_F

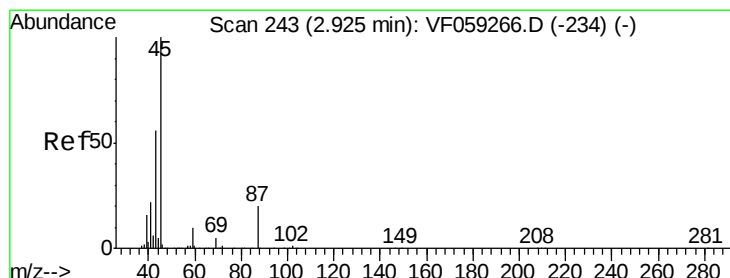
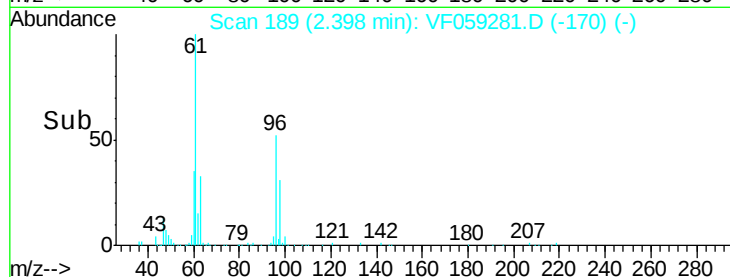
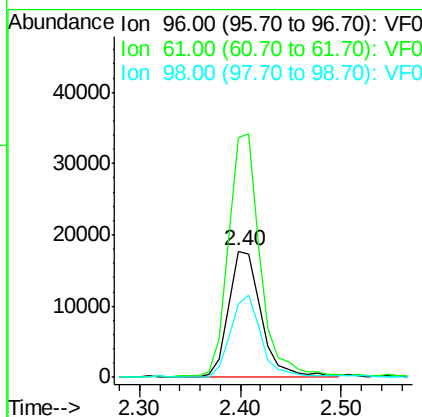
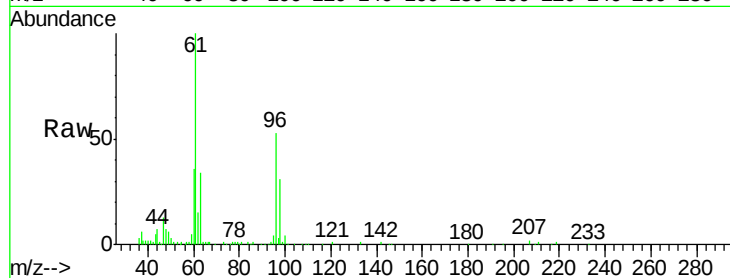
ClientSampleId :

VF0622SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 39938 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 189.4 | 151.2 | 226.8 |
| 98       | 58.3  | 54.2  | 81.2  |

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#22

Diisopropyl ether

Concen: 24.55 ug/l

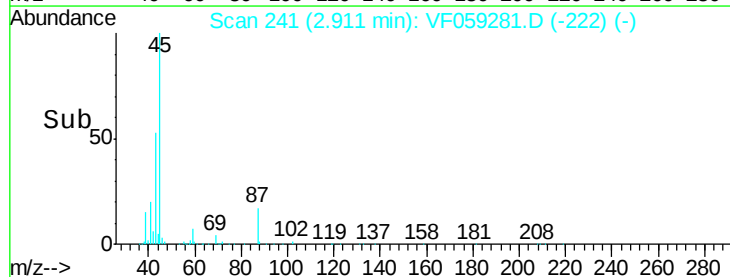
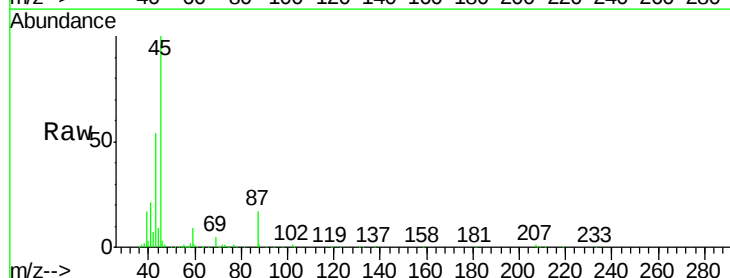
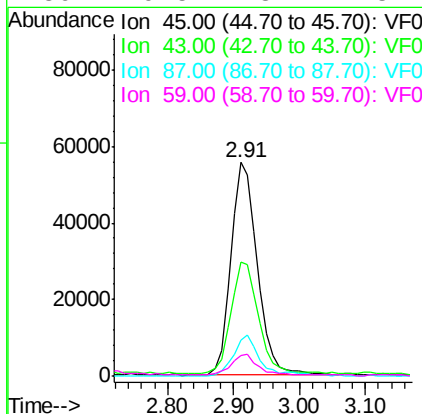
RT: 2.91 min Scan# 241

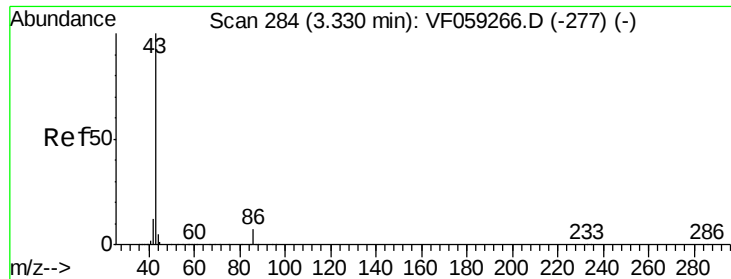
Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 157087 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 53.6  | 45.8  | 68.6   |
| 87       | 16.8  | 15.7  | 23.5   |
| 59       | 9.5   | 8.7   | 13.1   |





#23

Vinyl Acetate

Concen: 128.47 ug/l

RT: 3.31 min Scan# 282

Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA\_F

ClientSampleId :

VF0622SBS01

Tot Ion: 43 Resp: 525808

Ion Ratio Lower Upper

43 100

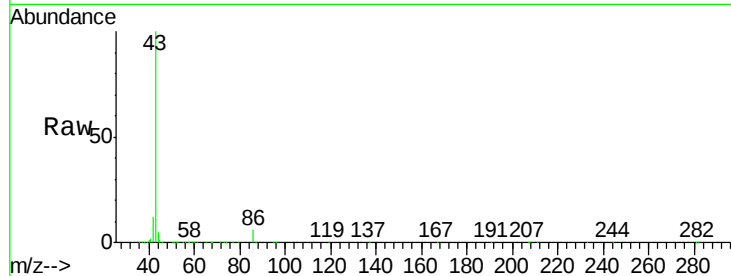
86 6.3 5.4 8.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

200000

150000

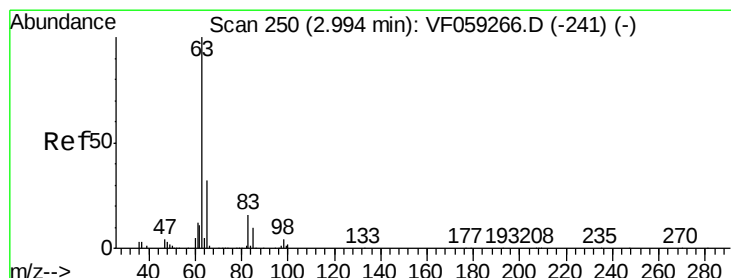
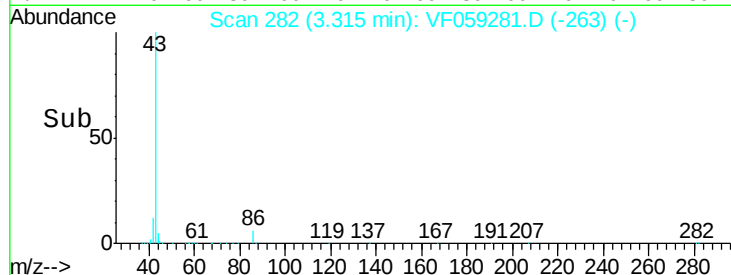
100000

50000

0

3.20 3.30 3.40 3.50

Time-->



#24

1,1-Dichloroethane

Concen: 23.30 ug/l

RT: 2.99 min Scan# 249

Delta R.T. -0.00 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

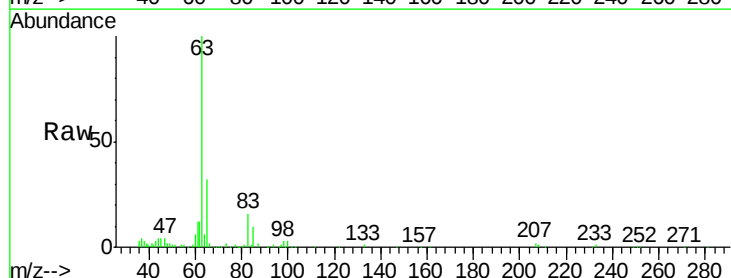
Tgt Ion: 63 Resp: 96678

Ion Ratio Lower Upper

63 100

98 3.1 2.0 5.8

100 2.8 1.1 3.1



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

50000

40000

30000

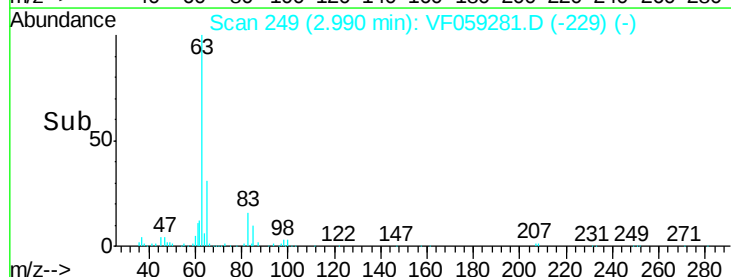
20000

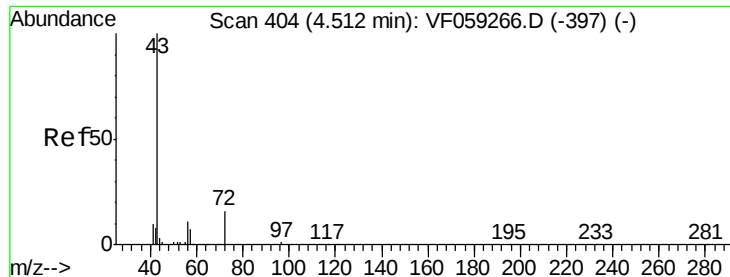
10000

0

2.90 3.00 3.10

Time-->





#25

2-Butanone

Concen: 121.66 ug/l

RT: 4.49 min Scan# 401

Delta R.T. -0.02 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 72      | 19.6  | 15.2  | 22.8  |

Instrument :

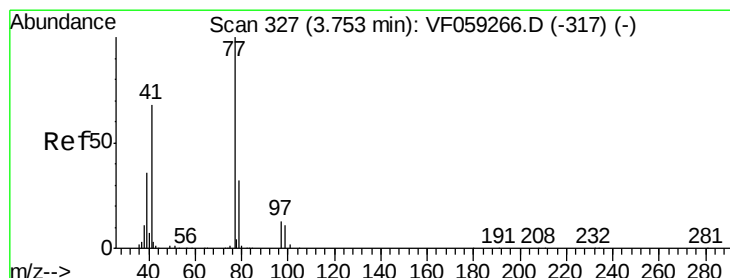
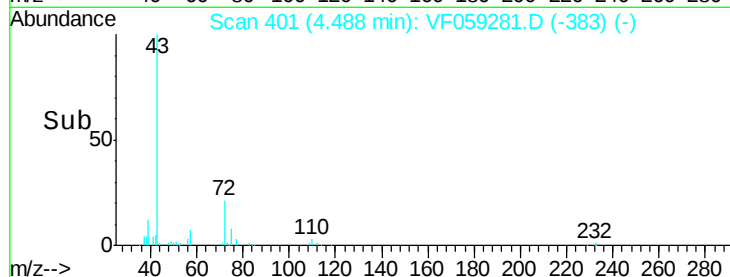
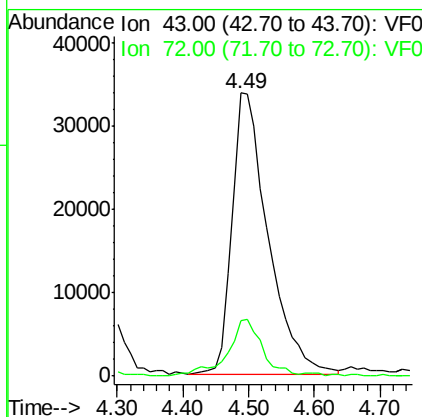
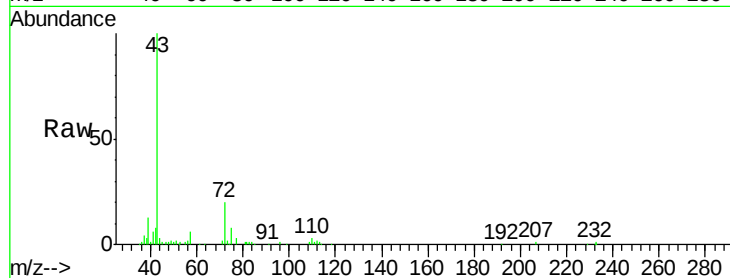
MSVOA\_F

ClientSampleId :

VF0622SBS01

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APPROVED

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#26

2,2-Dichloropropane

Concen: 22.64 ug/l

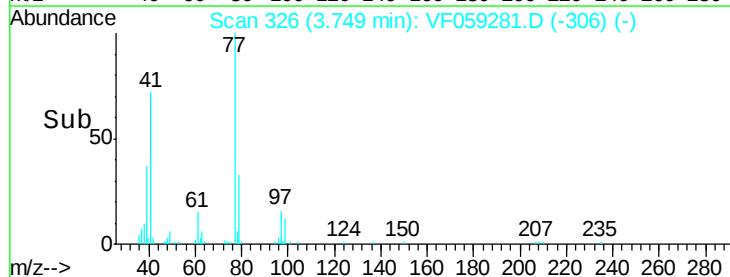
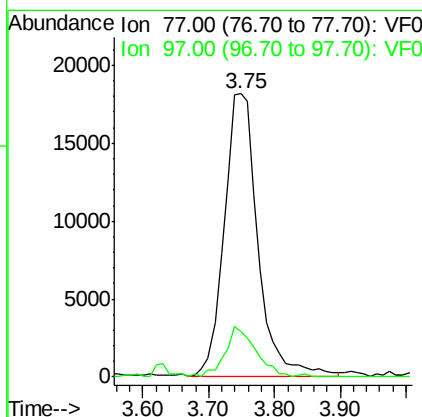
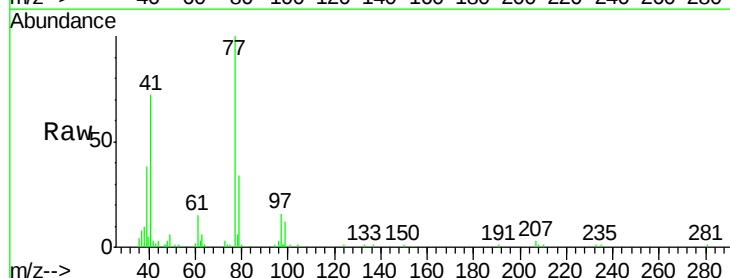
RT: 3.75 min Scan# 326

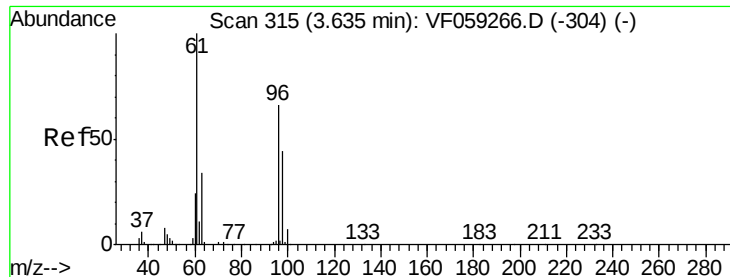
Delta R.T. -0.00 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 97      | 16.2  | 7.6   | 22.8  |





#27

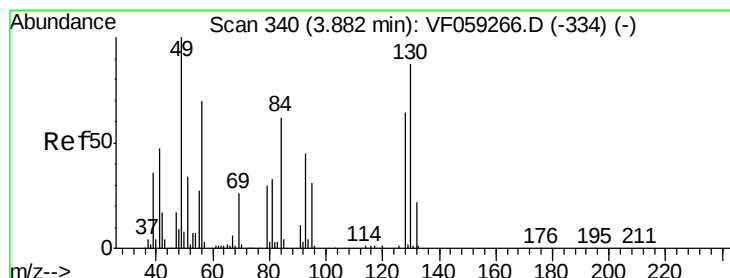
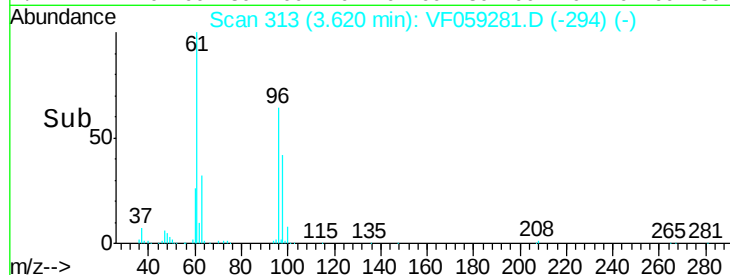
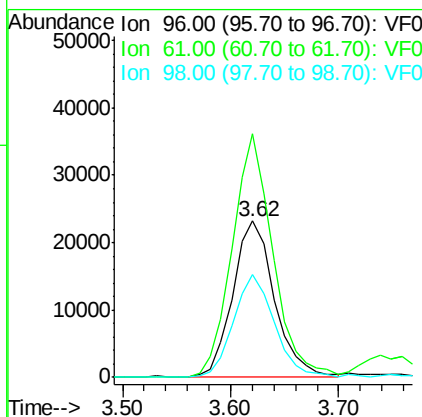
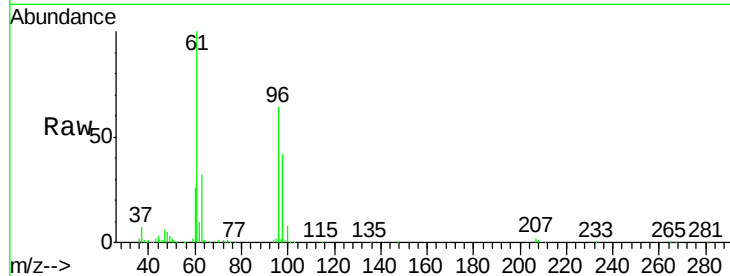
cis-1,2-Dichloroethene  
Concen: 23.59 ug/l  
RT: 3.62 min Scan# 313  
Delta R.T. -0.01 min  
Lab File: VF059281.D  
Acq: 22 Jun 2018 18:42

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0622SBS01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 96      | 100   | 62507 |       |       |
| 61      | 156.0 |       | 0.0   | 305.0 |
| 98      | 65.9  |       | 0.0   | 134.0 |

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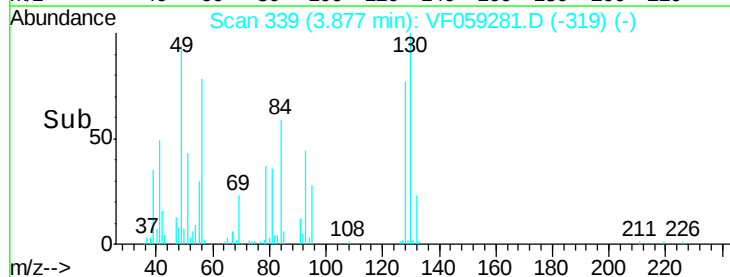
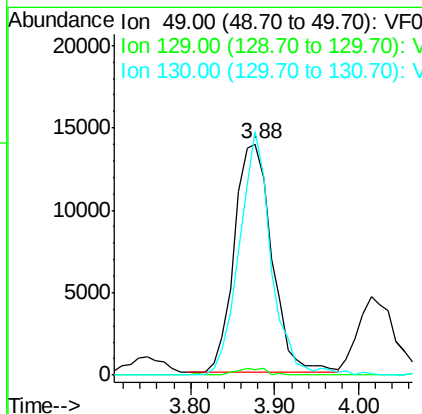
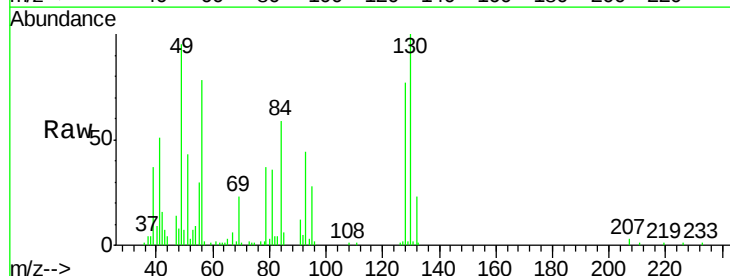
apatel  
6/24/2018 11:34:44 AM

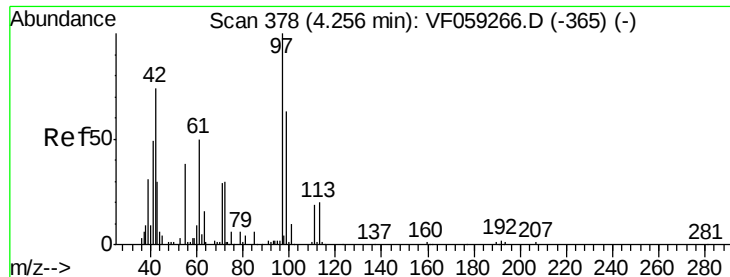


#28

Bromochloromethane  
Concen: 25.63 ug/l  
RT: 3.88 min Scan# 339  
Delta R.T. -0.00 min  
Lab File: VF059281.D  
Acq: 22 Jun 2018 18:42

| Tgt Ion | Ratio | Resp  | Lower | Upper  |
|---------|-------|-------|-------|--------|
| 49      | 100   | 43272 |       |        |
| 129     | 2.6   |       | 0.0   | 3.8    |
| 130     | 105.2 |       | 69.4  | 104.2# |





#29

Tetrahydrofuran

Concen: 120.70 ug/l

RT: 4.24 min Scan# 376

Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA\_F

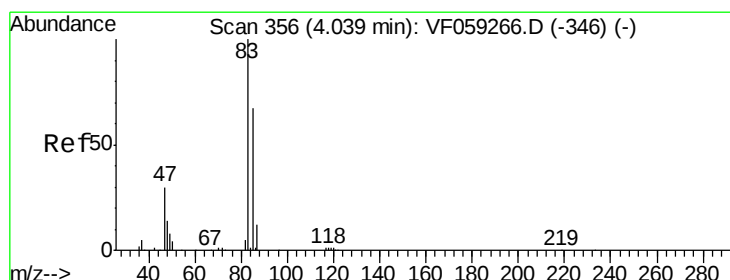
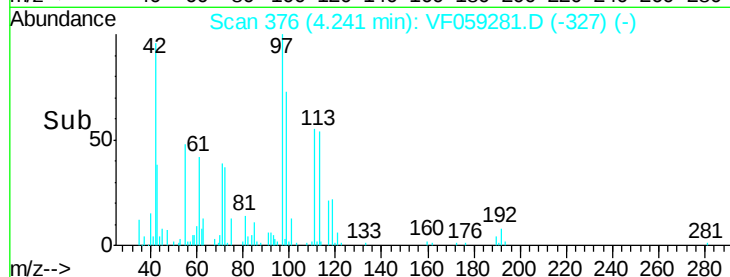
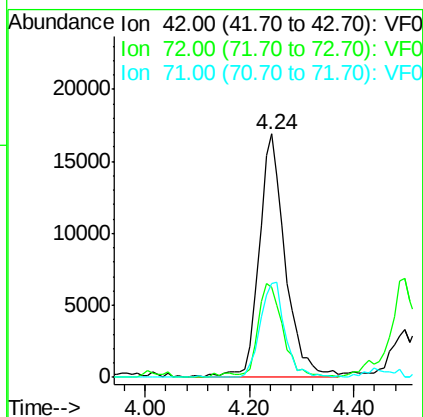
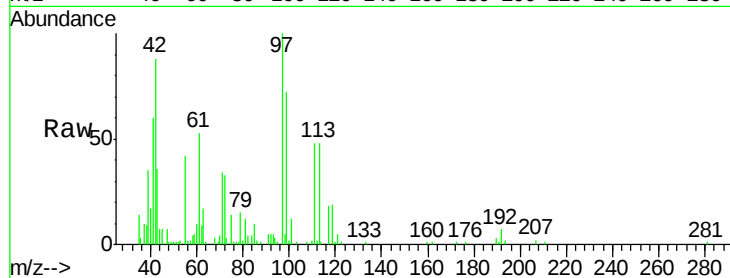
ClientSampleId :

VF0622SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 42    | Resp: | 57819 |
| Ion Ratio | Lower | Upper |       |
| 42        | 100   |       |       |
| 72        | 36.3  | 31.2  | 46.8  |
| 71        | 37.2  | 30.2  | 45.2  |

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#30

Chloroform

Concen: 22.63 ug/l

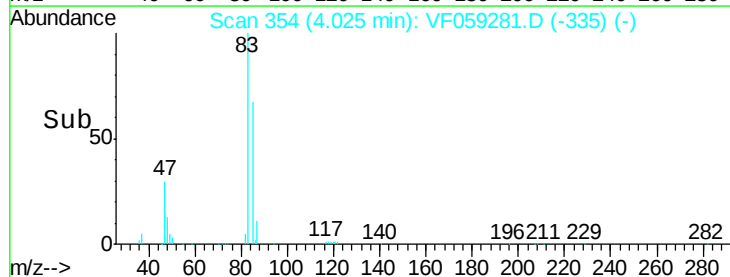
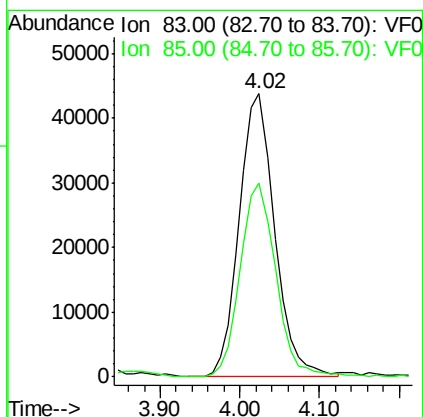
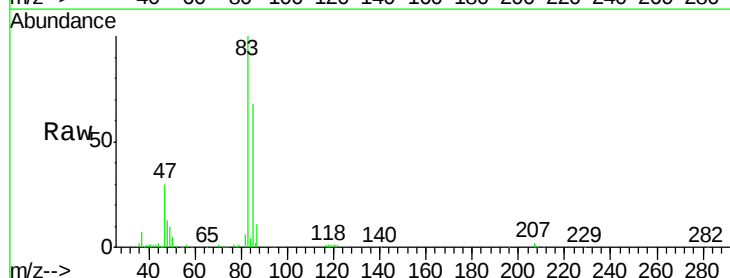
RT: 4.02 min Scan# 354

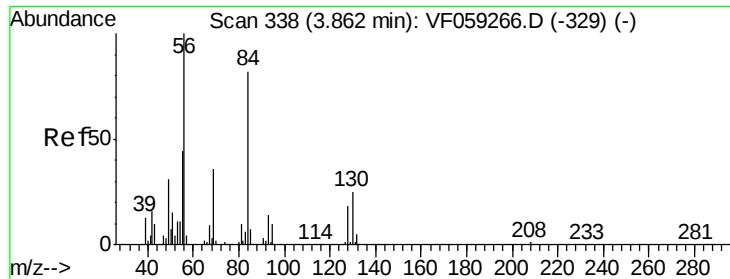
Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 83    | Resp: | 135932 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 68.2  | 54.2  | 81.2   |





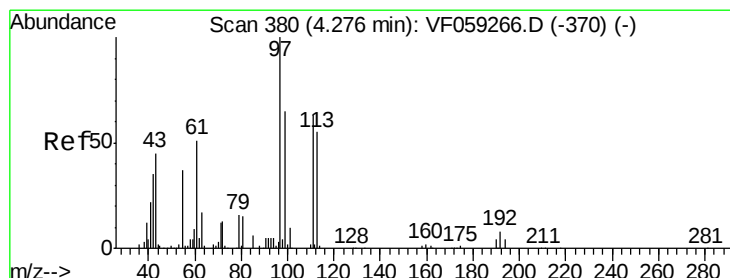
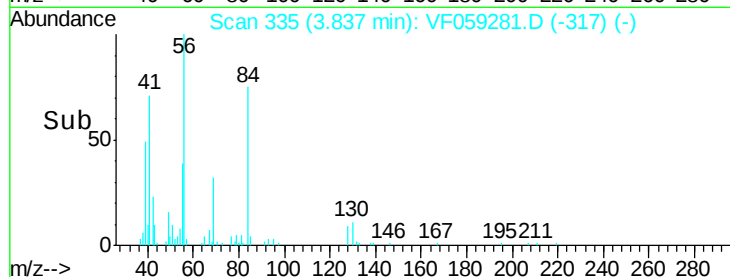
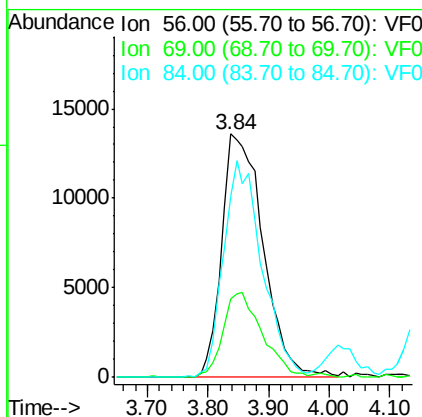
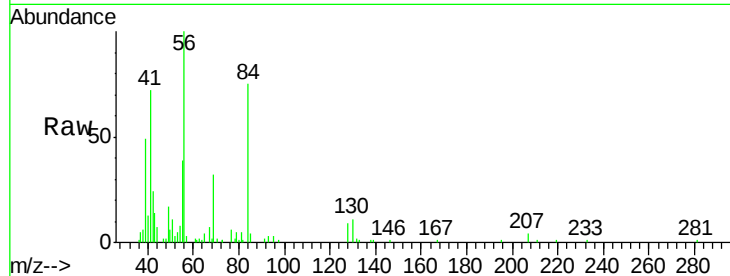
#31  
Cyclohexane  
Concen: 22.60 ug/l  
RT: 3.84 min Scan# 335  
Delta R.T. -0.02 min  
Lab File: VF059281.D  
Acq: 22 Jun 2018 18:42

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0622SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 32.0  | 28.6  | 43.0  |
| 84      | 74.5  | 65.8  | 98.6  |

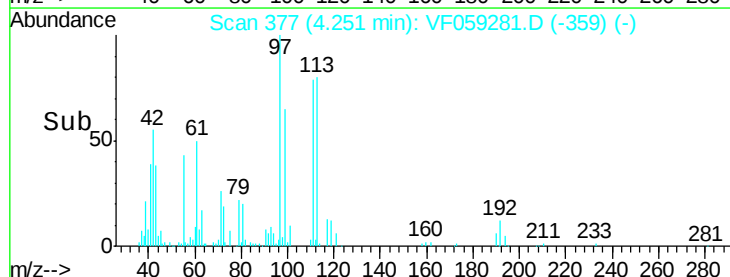
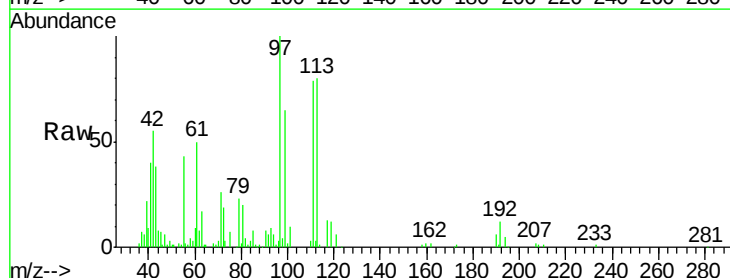
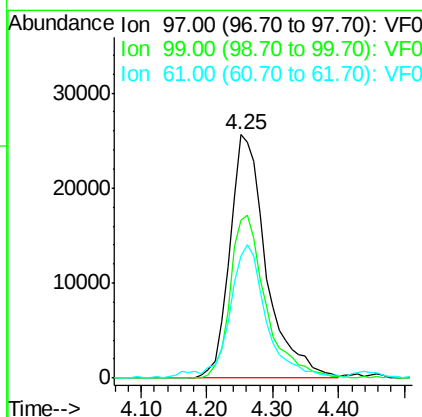
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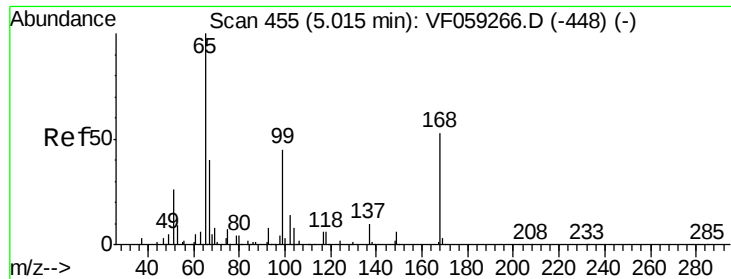
apatel  
6/24/2018 11:34:44 AM



#32  
1,1,1-Trichloroethane  
Concen: 21.91 ug/l  
RT: 4.25 min Scan# 377  
Delta R.T. -0.02 min  
Lab File: VF059281.D  
Acq: 22 Jun 2018 18:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.9  | 52.4  | 78.6  |
| 61      | 49.9  | 40.9  | 61.3  |





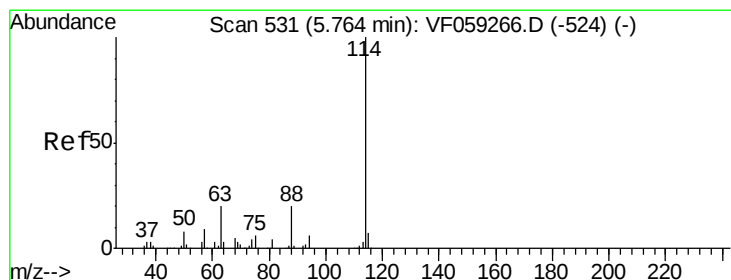
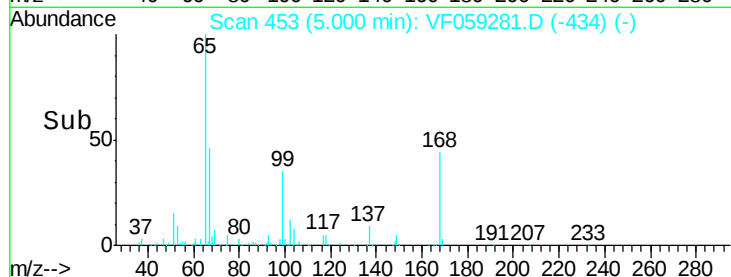
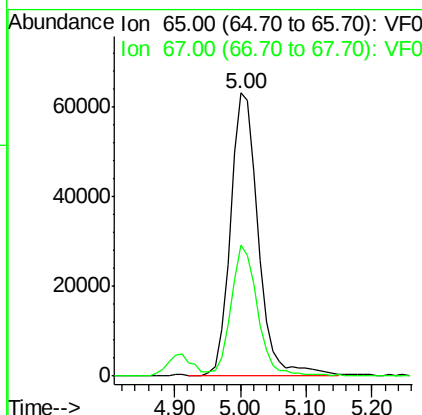
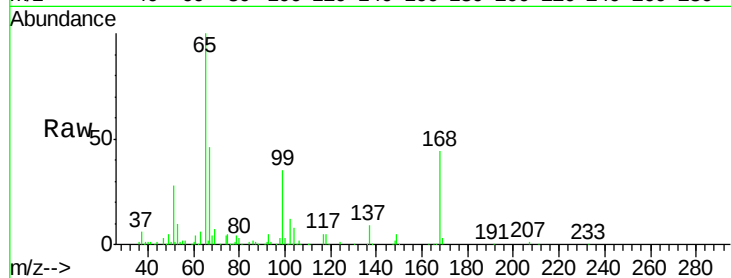
#33  
 1,2-Dichloroethane-d4  
 Concen: 55.07 ug/l  
 RT: 5.00 min Scan# 453  
 Delta R.T. -0.01 min  
 Lab File: VF059281.D  
 Acq: 22 Jun 2018 18:42

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0622SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 186379 |       |       |
| 67      | 46.1  | 0.0    | 95.8  |       |

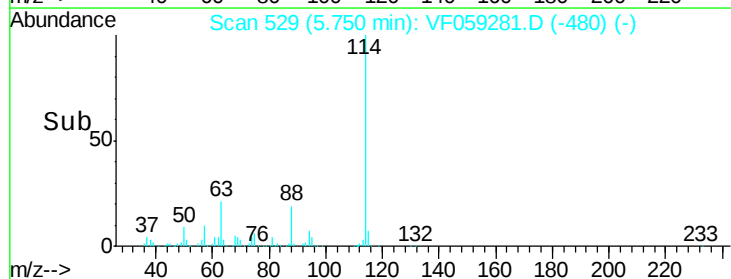
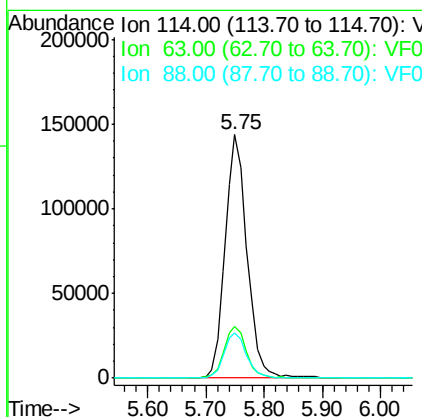
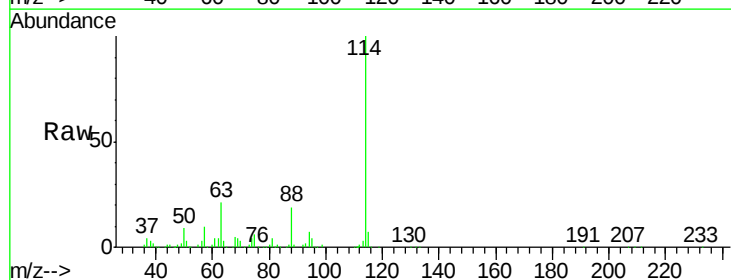
Manual Integrations  
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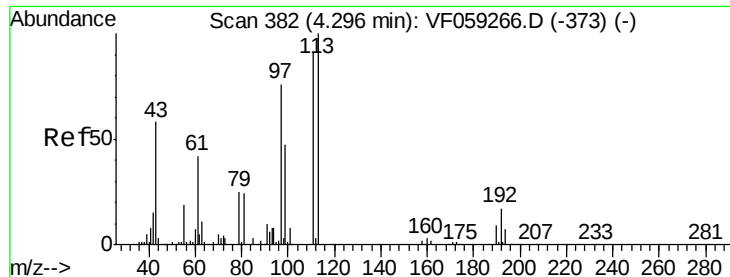
apatel  
 6/24/2018 11:34:44 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 5.75 min Scan# 529  
 Delta R.T. -0.01 min  
 Lab File: VF059281.D  
 Acq: 22 Jun 2018 18:42

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 375638 |       |       |
| 63      | 21.0  | 0.0    | 41.0  |       |
| 88      | 18.5  | 0.0    | 39.6  |       |





#35

Dibromofluoromethane

Concen: 51.50 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA\_F

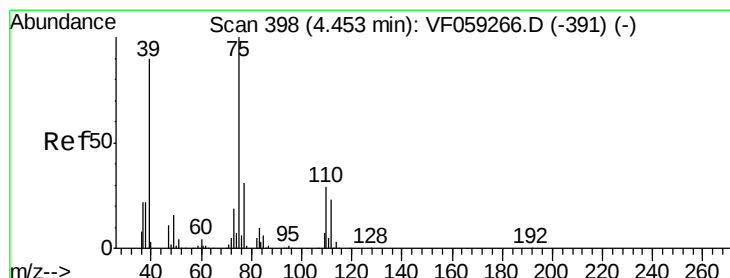
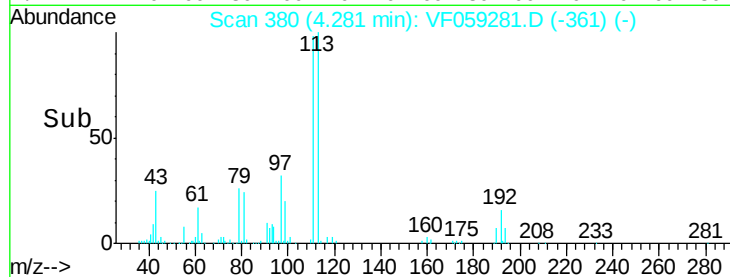
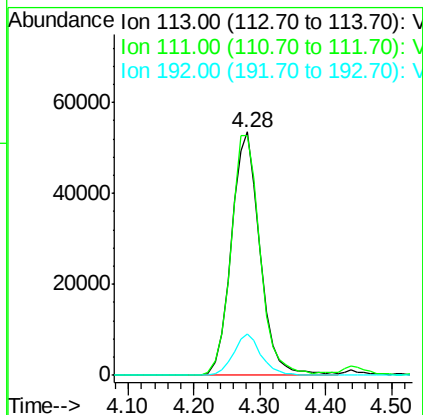
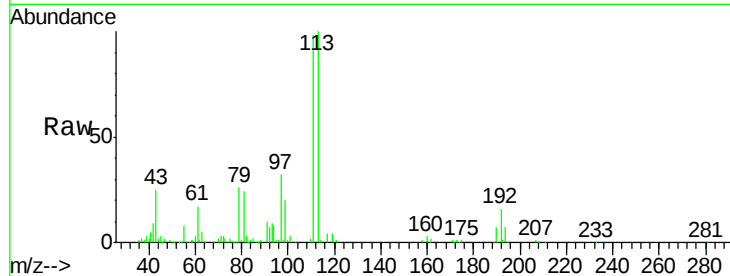
ClientSampleId :

VF0622SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 162760 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 98.3  | 73.1  | 109.7  |
| 192       | 16.8  | 13.9  | 20.9   |

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#36

1,1-Dichloropropene

Concen: 21.13 ug/l

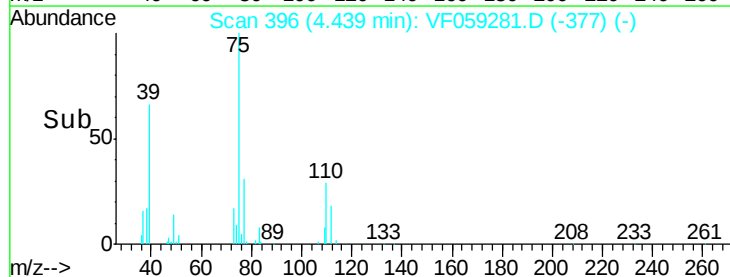
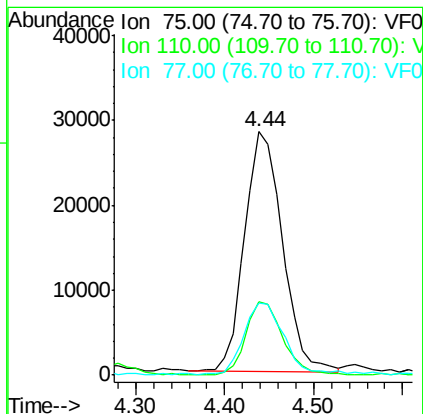
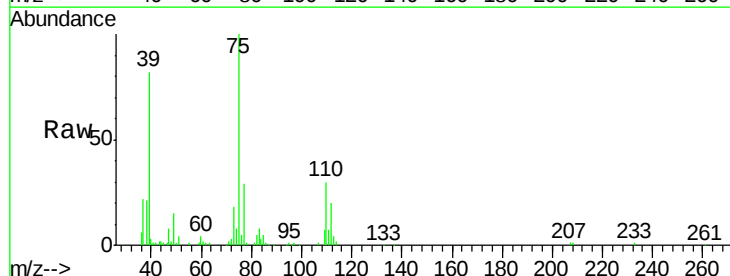
RT: 4.44 min Scan# 396

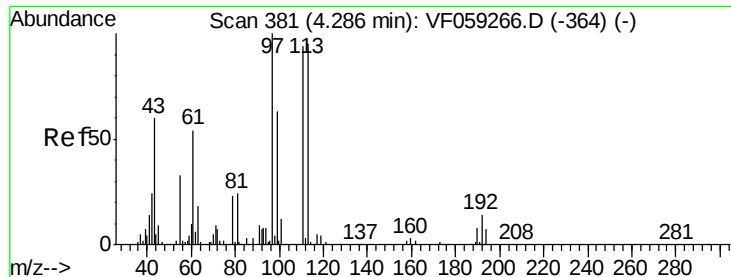
Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 83407 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 30.1  | 14.5  | 43.5  |
| 77        | 29.4  | 25.0  | 37.6  |





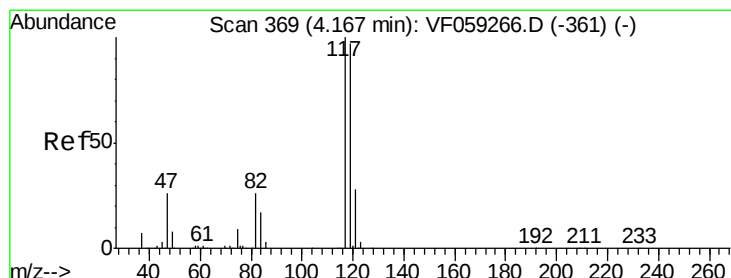
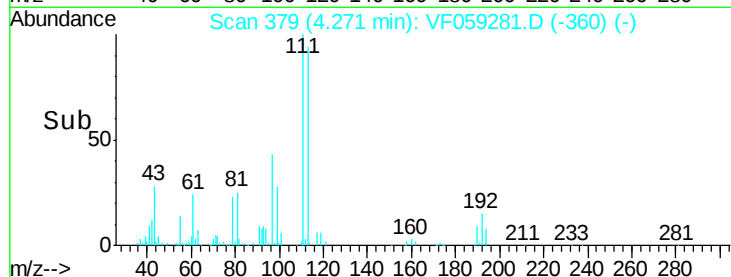
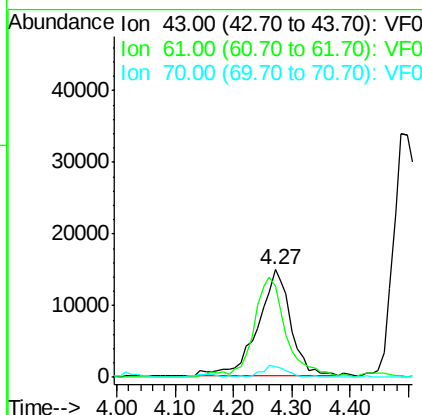
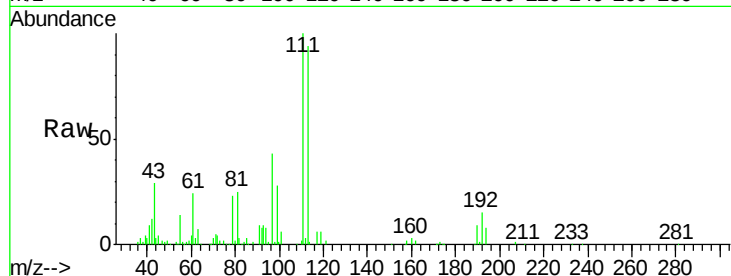
#37  
Ethyl Acetate  
Concen: 23.44 ug/l  
RT: 4.27 min Scan# 379  
Delta R.T. -0.01 min  
Lab File: VF059281.D  
Acq: 22 Jun 2018 18:42

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0622SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 85.3  | 71.6  | 107.4 |
| 70      | 9.5   | 6.9   | 10.3  |

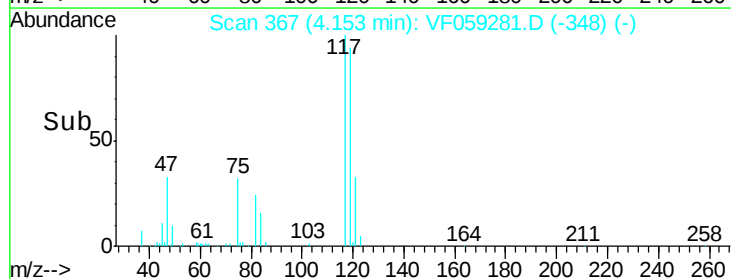
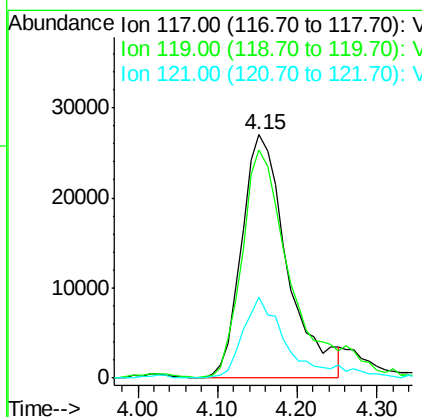
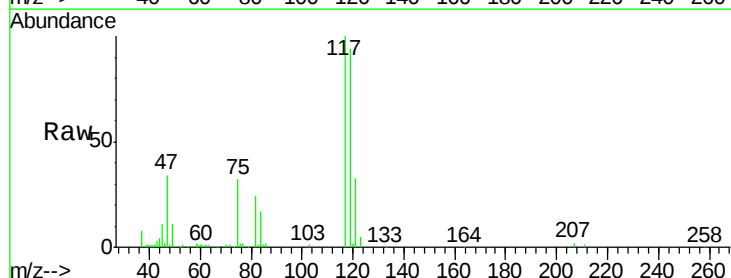
Manual Integrations  
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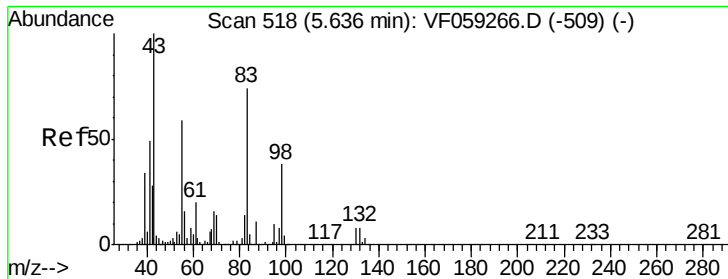
apatel  
6/24/2018 11:34:44 AM



#38  
Carbon Tetrachloride  
Concen: 22.14 ug/l  
RT: 4.15 min Scan# 367  
Delta R.T. -0.01 min  
Lab File: VF059281.D  
Acq: 22 Jun 2018 18:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 93.9  | 77.5  | 116.3 |
| 121     | 33.2  | 22.2  | 33.4  |





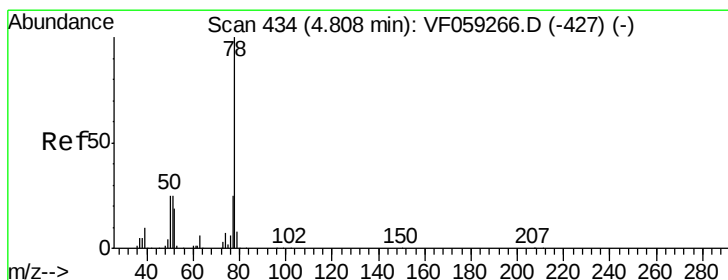
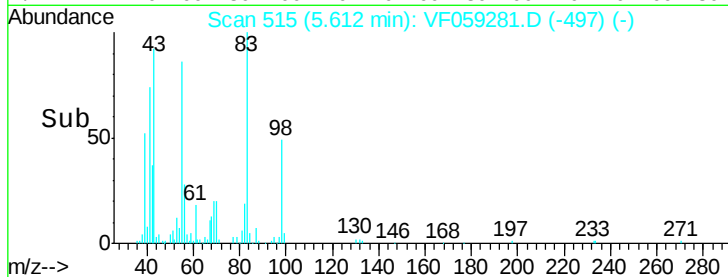
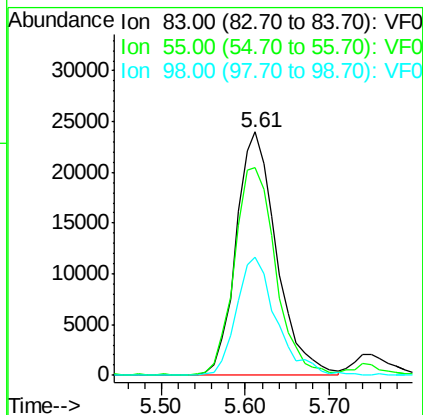
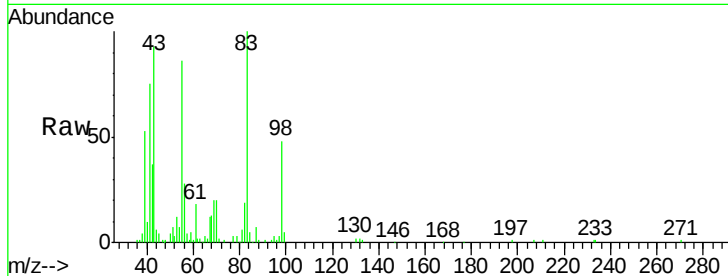
#39  
Methvlcvclohexane  
Concen: 22.73 ug/l  
RT: 5.61 min Scan# 515  
Delta R.T. -0.02 min  
Lab File: VF059281.D  
Acq: 22 Jun 2018 18:42

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0622SBS01

| Tot Ion | 83    | Resp  | 80314 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 83      | 100   |       |       |
| 55      | 85.6  | 63.7  | 95.5  |
| 98      | 48.4  | 41.6  | 62.4  |

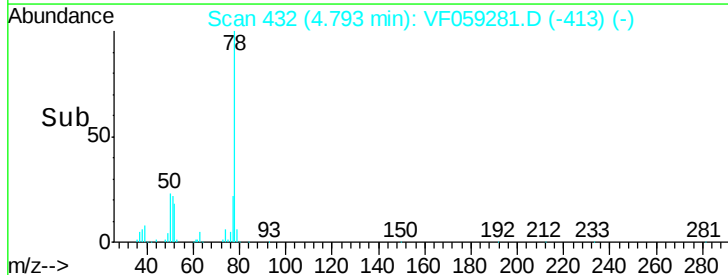
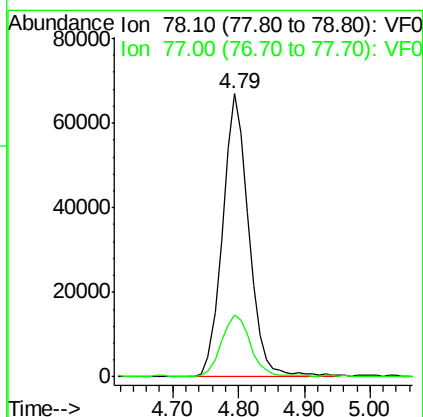
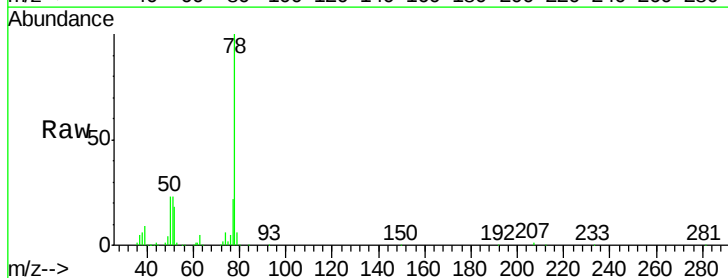
Manual Integrations  
APPROVED

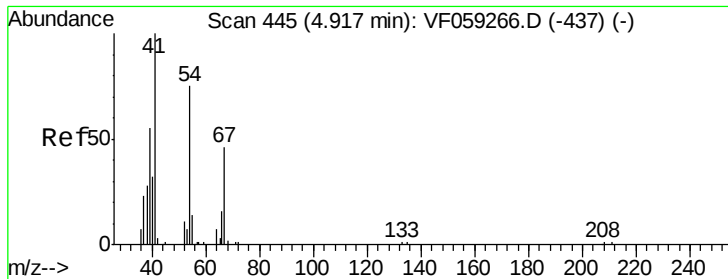
apatel  
6/24/2018 11:34:44 AM



#40  
Benzene  
Concen: 22.31 ug/l  
RT: 4.79 min Scan# 432  
Delta R.T. -0.01 min  
Lab File: VF059281.D  
Acq: 22 Jun 2018 18:42

| Tgt Ion | 78    | Resp  | 186895 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 78      | 100   |       |        |
| 77      | 22.0  | 20.4  | 30.6   |





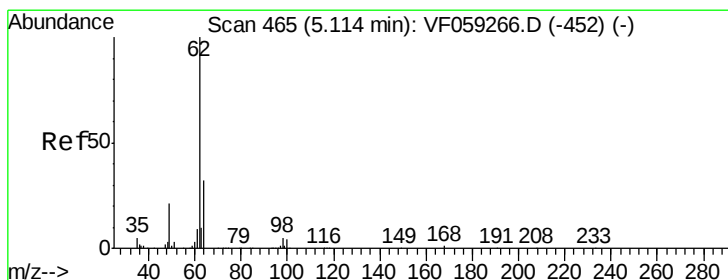
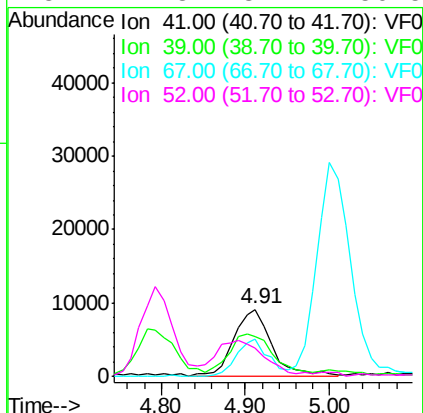
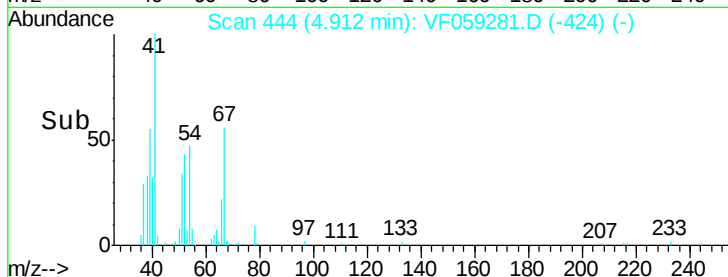
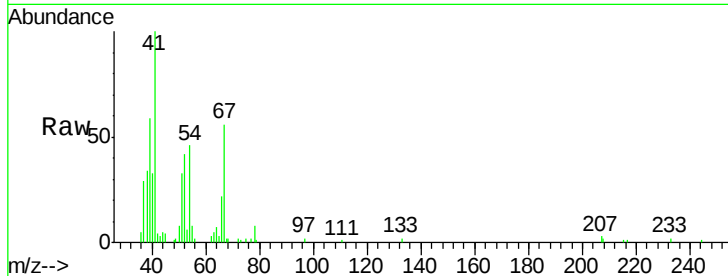
#41  
Methacrylonitrile  
Concen: 23.76 ug/l  
RT: 4.91 min Scan# 444  
Delta R.T. -0.00 min  
Lab File: VF059281.D  
Acq: 22 Jun 2018 18:42

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0622SBS01

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 58.7 | 57.0  | 85.6  |       |
| 67      | 55.5 | 36.8  | 55.2  |       |
| 52      | 41.8 | 37.7  | 56.5  |       |

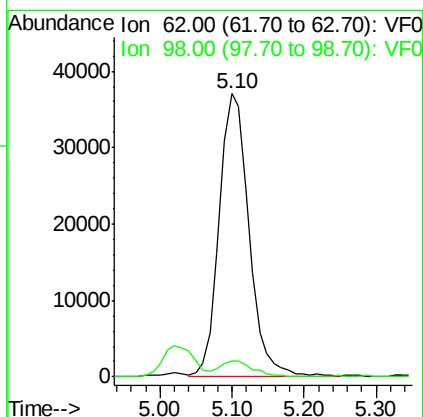
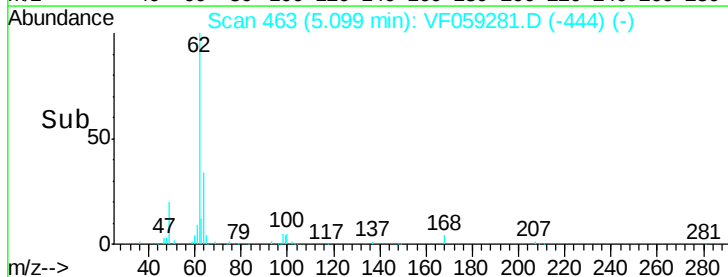
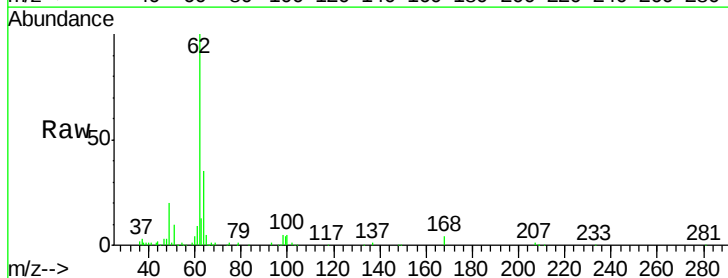
Manual Integrations  
APPROVED

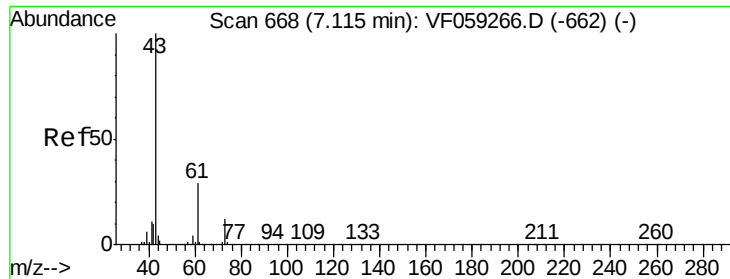
apatel  
6/24/2018 11:34:44 AM



#42  
1,2-Dichloroethane  
Concen: 21.93 ug/l  
RT: 5.10 min Scan# 463  
Delta R.T. -0.01 min  
Lab File: VF059281.D  
Acq: 22 Jun 2018 18:42

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 62      | 100 |       |       |       |
| 98      | 5.4 | 0.0   | 10.4  |       |





#43

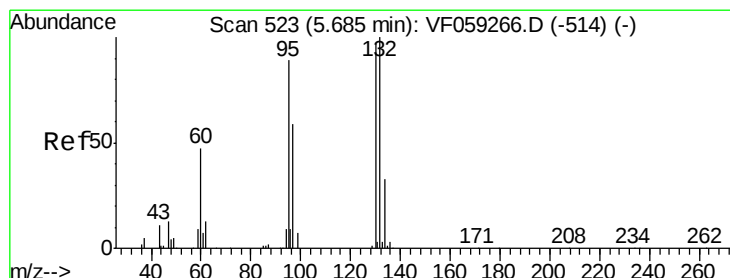
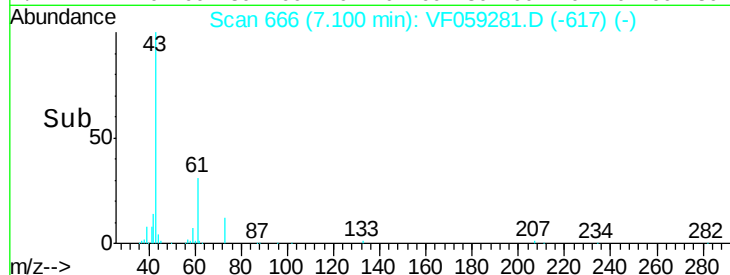
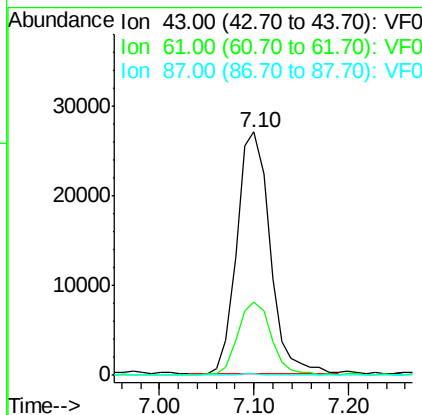
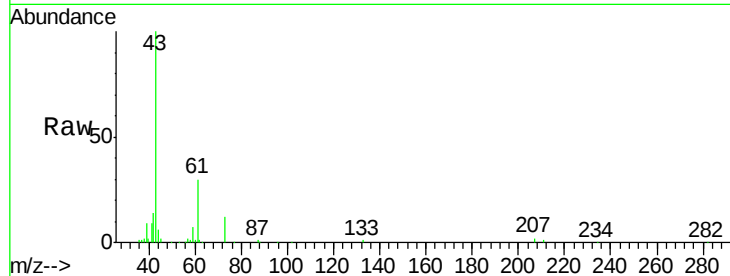
Isopropyl Acetate  
 Concen: 21.20 ug/l  
 RT: 7.10 min Scan# 666  
 Delta R.T. -0.01 min  
 Lab File: VF059281.D  
 Acq: 22 Jun 2018 18:42

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0622SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 30.3  | 22.8  | 34.2  |
| 87      | 0.8   | 0.3   | 0.5   |

Manual Integrations  
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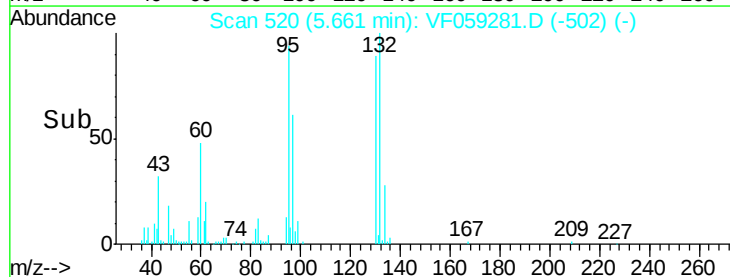
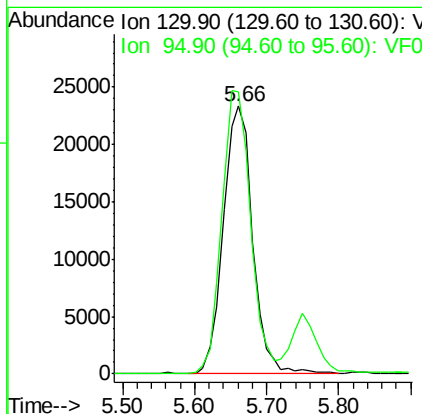
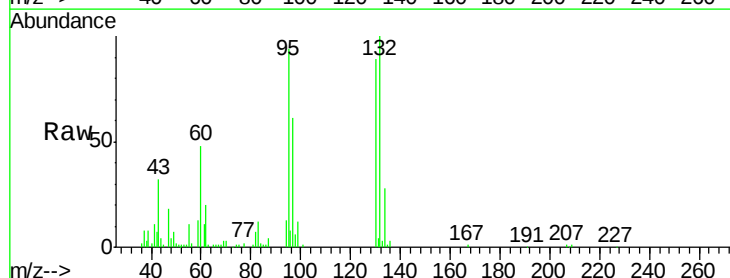
apatel  
 6/24/2018 11:34:44 AM

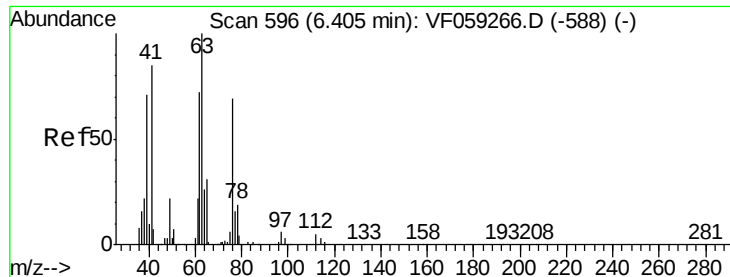


#44

Trichloroethene  
 Concen: 22.67 ug/l  
 RT: 5.66 min Scan# 520  
 Delta R.T. -0.02 min  
 Lab File: VF059281.D  
 Acq: 22 Jun 2018 18:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 105.6 | 0.0   | 183.6 |





#45

1,2-Dichloropropane

Concen: 23.47 ug/l

RT: 6.39 min Scan# 594

Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA\_F

ClientSampleId :

VF0622SBS01

Tot Ion: 63 Resp: 57345

Ion Ratio Lower Upper

63 100

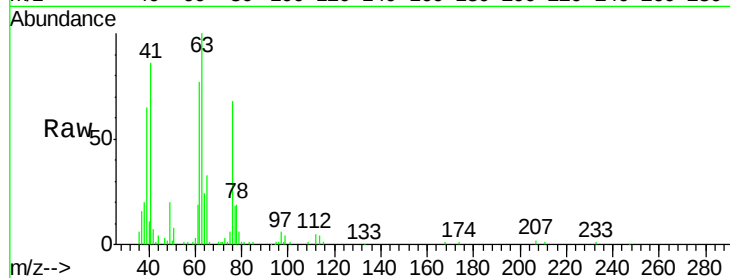
65 32.6 25.3 37.9

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

25000

20000

15000

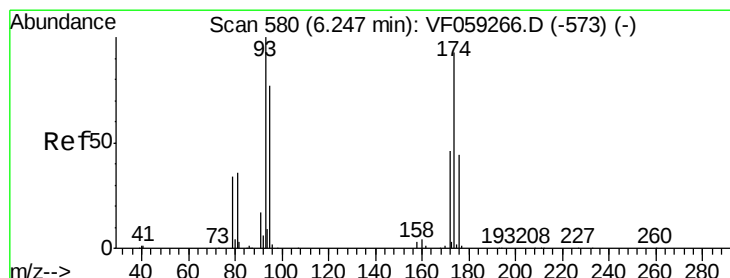
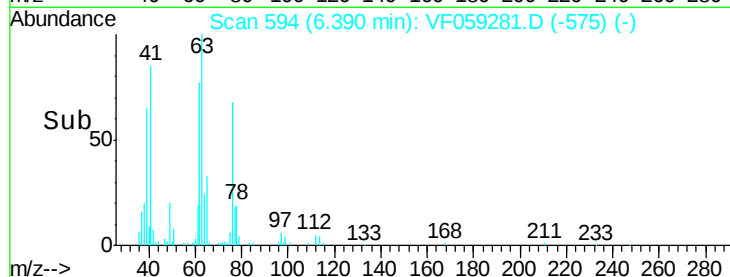
10000

5000

0

6.30 6.40 6.50

Time-->



#46

Dibromomethane

Concen: 21.69 ug/l

RT: 6.24 min Scan# 579

Delta R.T. -0.00 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

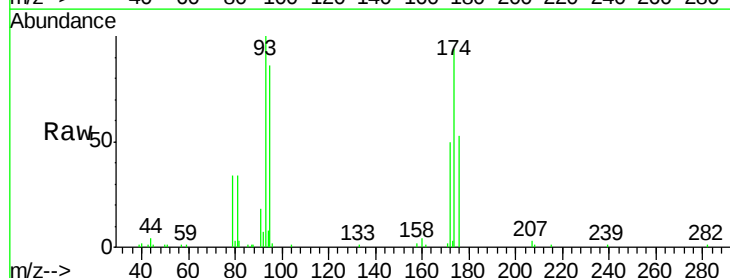
Tgt Ion: 93 Resp: 44740

Ion Ratio Lower Upper

93 100

95 86.2 61.8 92.6

174 94.1 74.4 111.6



Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

20000

15000

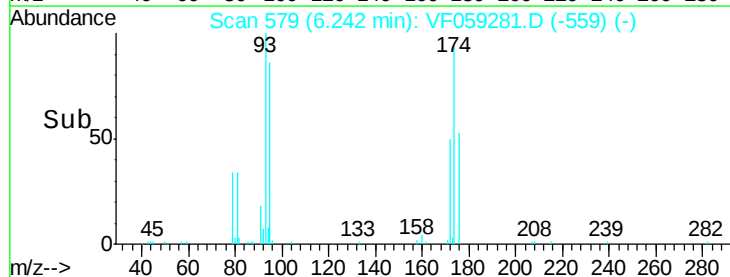
10000

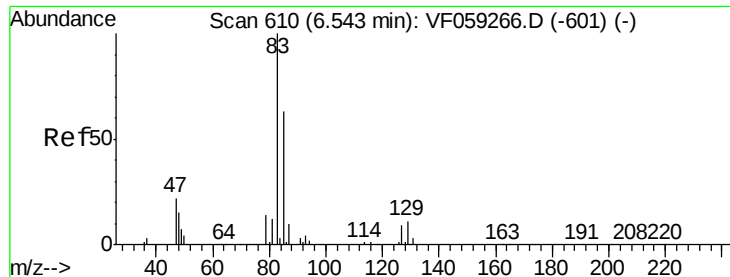
5000

0

6.10 6.20 6.30 6.40

Time-->





#47

Bromodichloromethane

Concen: 23.08 ug/l

RT: 6.53 min Scan# 608

Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA\_F

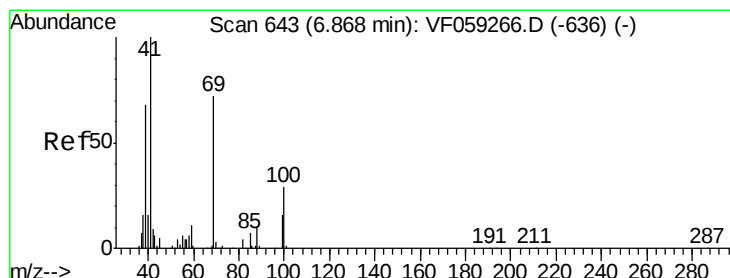
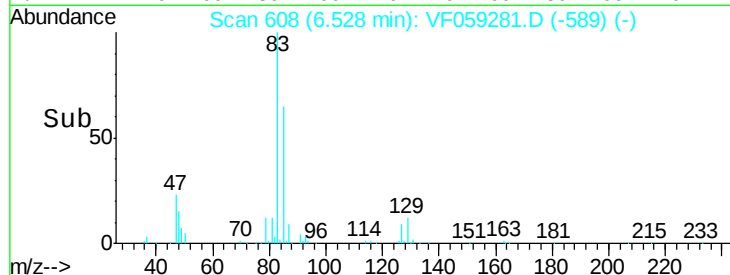
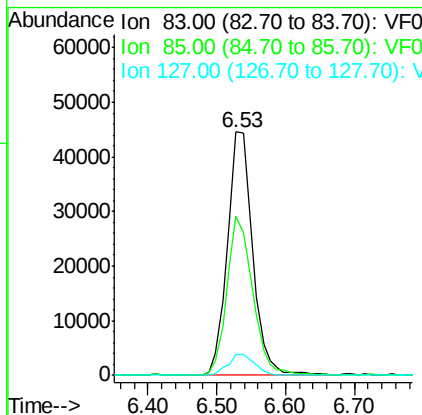
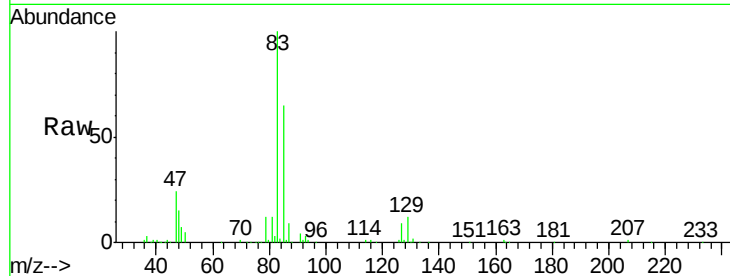
ClientSampleId :

VF0622SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 113972 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 65.4  | 50.3  | 75.5   |
| 127       | 8.6   | 7.0   | 10.4   |

Manual Integrations  
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apatel  
6/24/2018 11:34:44 AM



#48

Methyl methacrylate

Concen: 23.10 ug/l

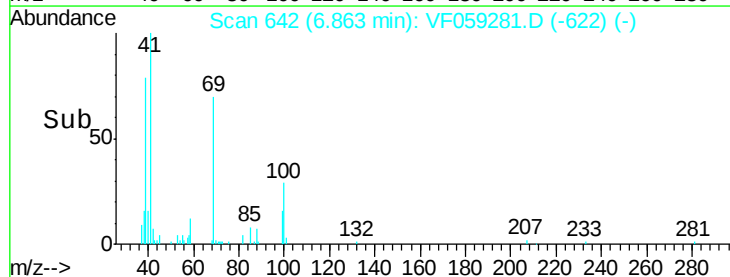
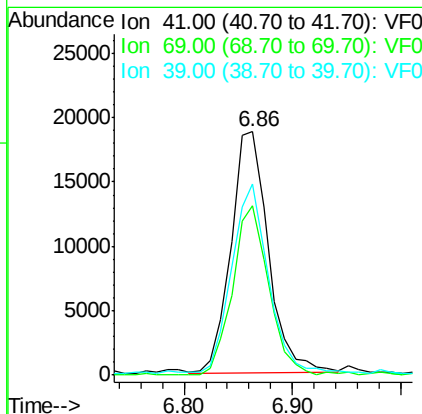
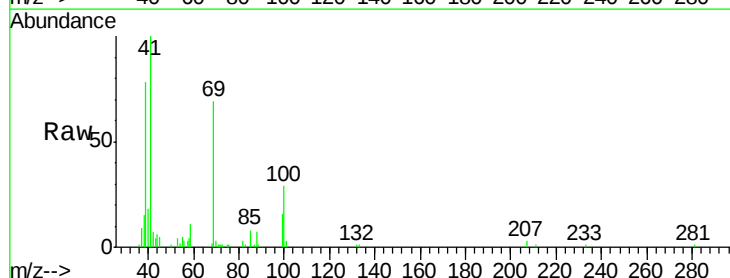
RT: 6.86 min Scan# 642

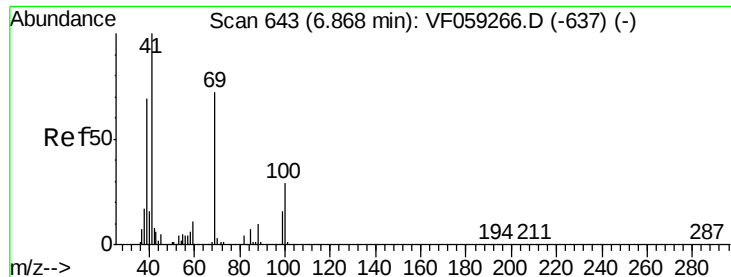
Delta R.T. -0.00 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 41    | Resp: | 45201 |
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 69        | 69.4  | 57.4  | 86.2  |
| 39        | 78.4  | 54.8  | 82.2  |





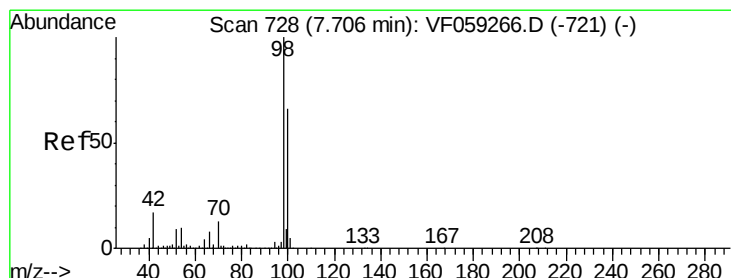
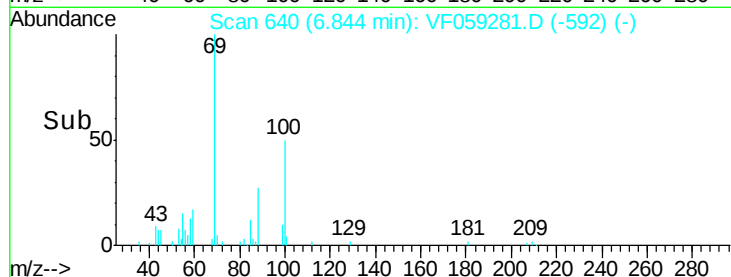
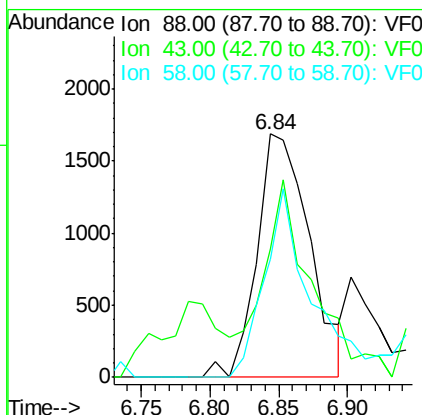
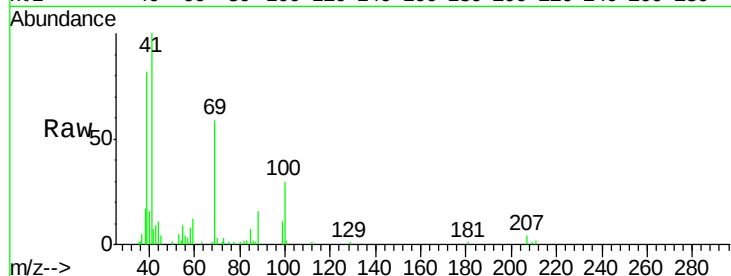
#49  
1,4-Dioxane  
Concen: 394.60 ug/l  
RT: 6.84 min Scan# 640  
Delta R.T. -0.02 min  
Lab File: VF059281.D  
Acq: 22 Jun 2018 18:42

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0622SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 52.6  | 55.5  | 83.3# |
| 58      | 48.3  | 50.1  | 75.1# |

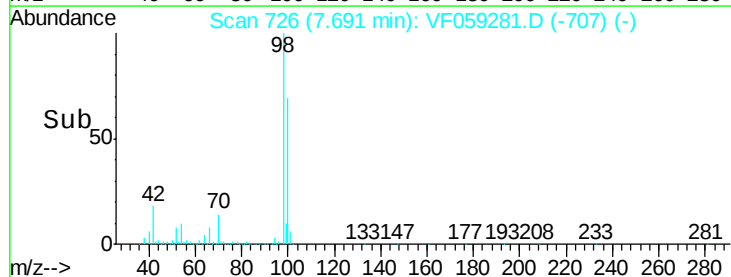
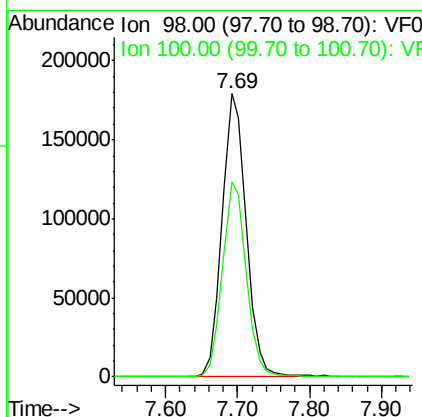
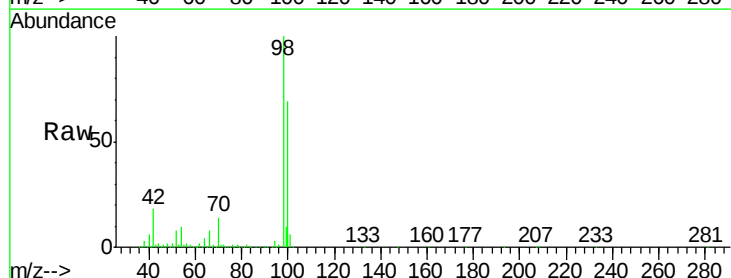
Manual Integrations  
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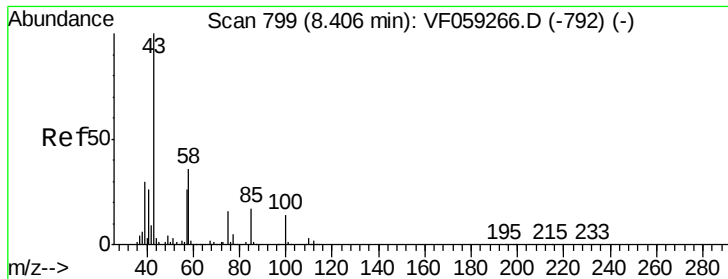
apatel  
6/24/2018 11:34:44 AM



#50  
Toluene-d8  
Concen: 51.82 ug/l  
RT: 7.69 min Scan# 726  
Delta R.T. -0.01 min  
Lab File: VF059281.D  
Acq: 22 Jun 2018 18:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 69.1  | 52.8  | 79.2  |





#51

4-Methyl-2-Pentanone

Concen: 122.15 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA\_F

ClientSampleId :

VF0622SBS01

Tot Ion: 43 Resp: 269259

Ion Ratio Lower Upper

43 100

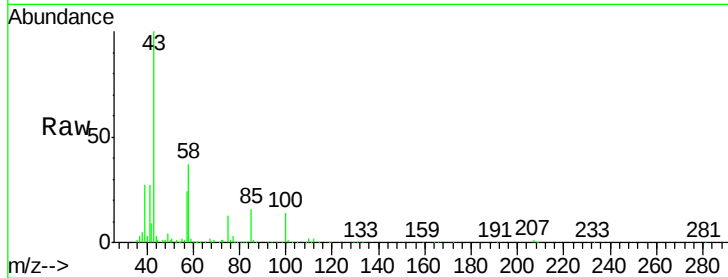
58 36.7 29.0 43.6

Manual Integrations

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apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

120000

100000

80000

60000

40000

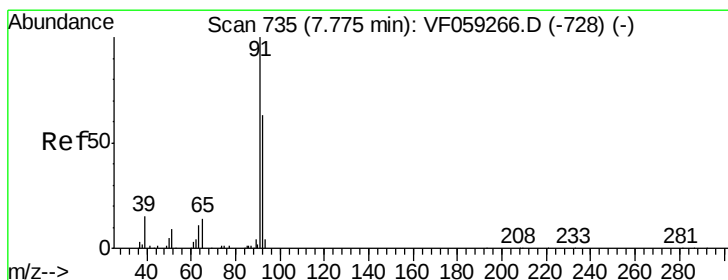
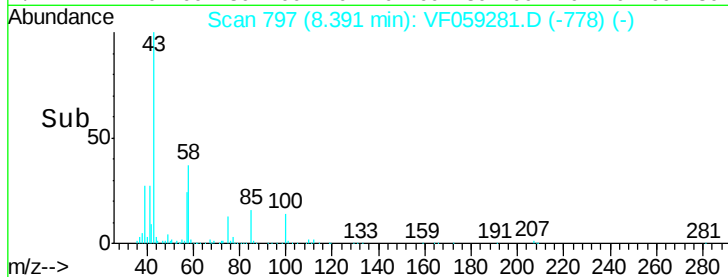
20000

0

8.39

8.30 8.40 8.50

Time-->



#52

Toluene

Concen: 21.89 ug/l

RT: 7.76 min Scan# 733

Delta R.T. -0.01 min

Lab File: VF059281.D

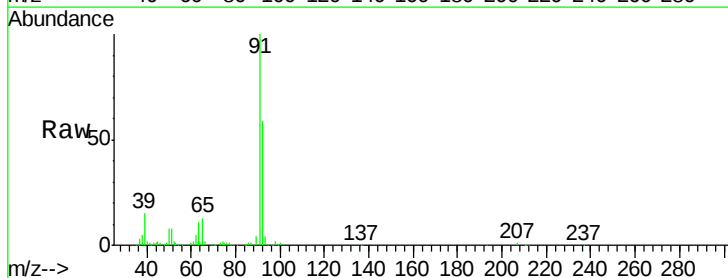
Acq: 22 Jun 2018 18:42

Tgt Ion: 92 Resp: 141489

Ion Ratio Lower Upper

92 100

91 168.8 127.8 191.6



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

120000

100000

80000

60000

40000

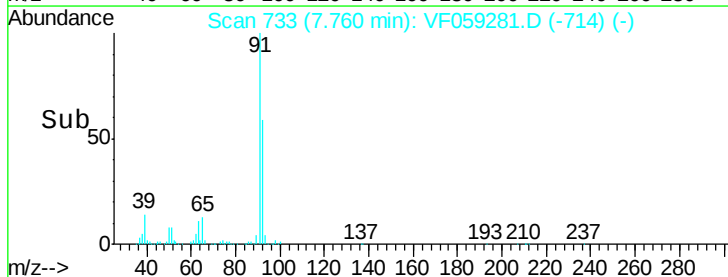
20000

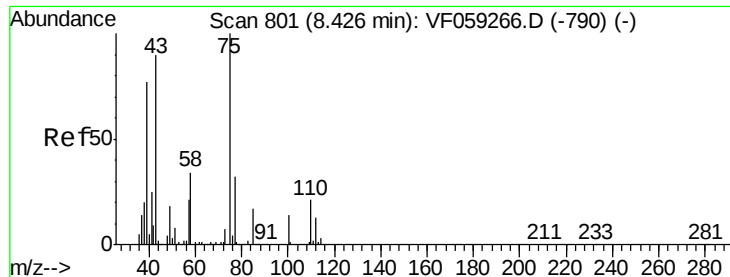
0

7.76

7.60 7.70 7.80 7.90

Time-->





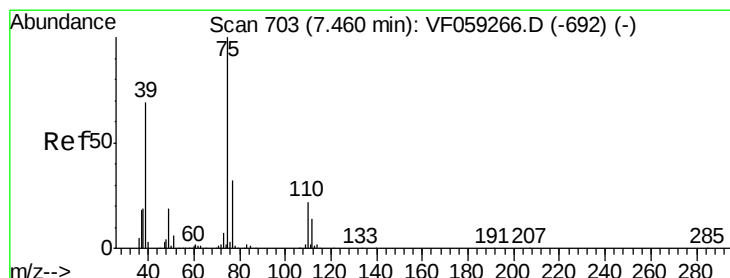
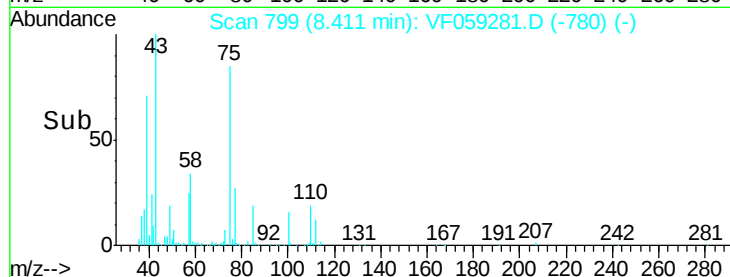
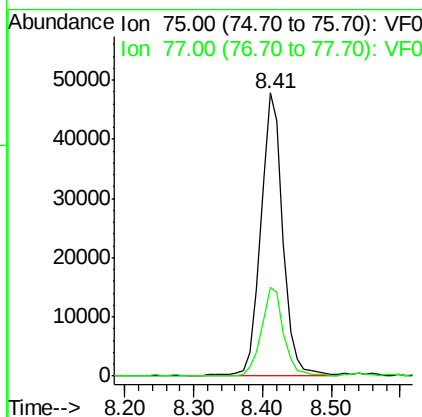
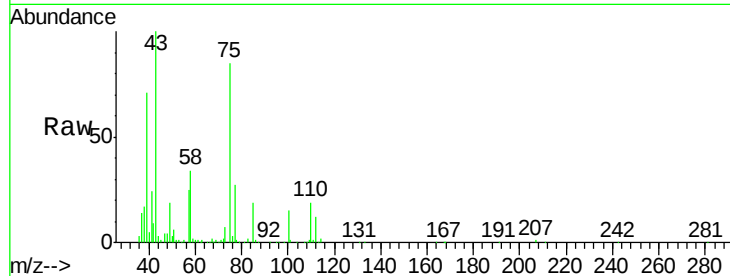
#53  
t-1,3-Dichloropropene  
Concen: 23.31 ug/l  
RT: 8.41 min Scan# 799  
Delta R.T. -0.01 min  
Lab File: VF059281.D  
Acq: 22 Jun 2018 18:42

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0622SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.4  | 26.1  | 39.1  |

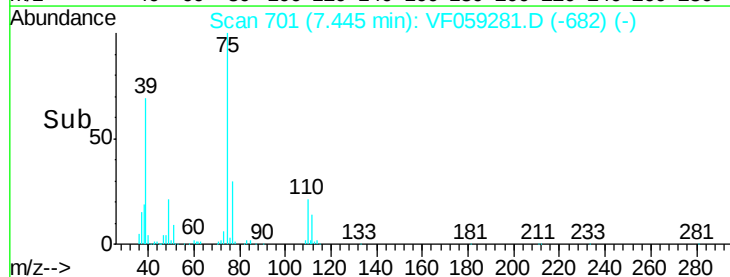
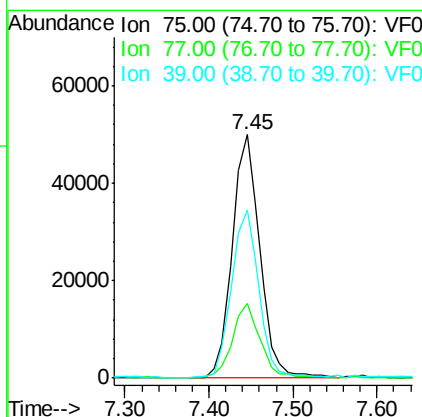
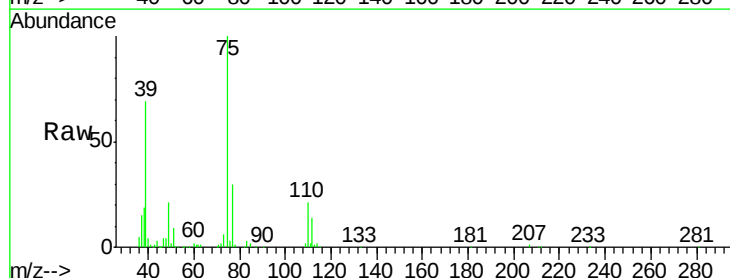
Manual Integrations  
APPROVED

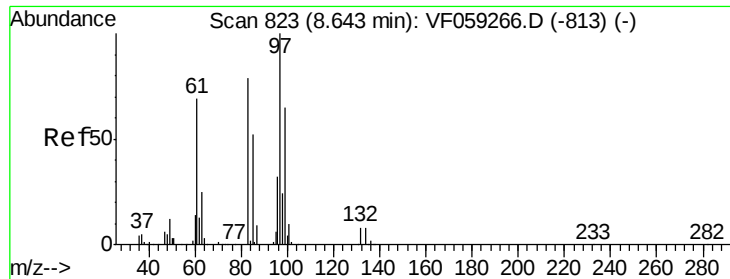
apatel  
6/24/2018 11:34:44 AM



#54  
cis-1,3-Dichloropropene  
Concen: 23.37 ug/l  
RT: 7.45 min Scan# 701  
Delta R.T. -0.01 min  
Lab File: VF059281.D  
Acq: 22 Jun 2018 18:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 30.5  | 26.0  | 39.0  |
| 39      | 69.0  | 55.5  | 83.3  |





#55

1,1,2-Trichloroethane

Concen: 22.52 ug/l

RT: 8.63 min Scan# 821

Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA\_F

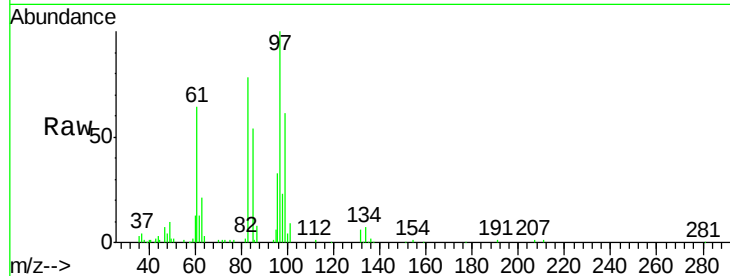
ClientSampleId :

VF0622SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 56190 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 78.2  | 63.2  | 94.8  |
| 85       | 54.5  | 41.8  | 62.6  |
| 99       | 61.4  | 51.7  | 77.5  |

Manual Integrations  
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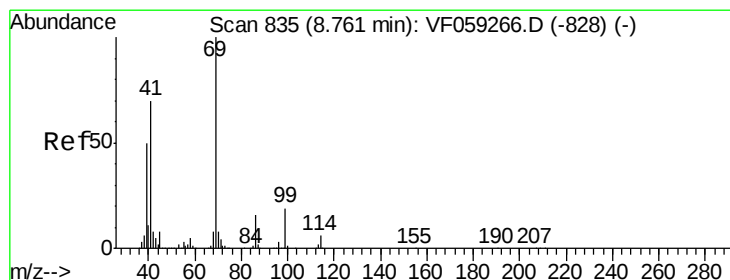
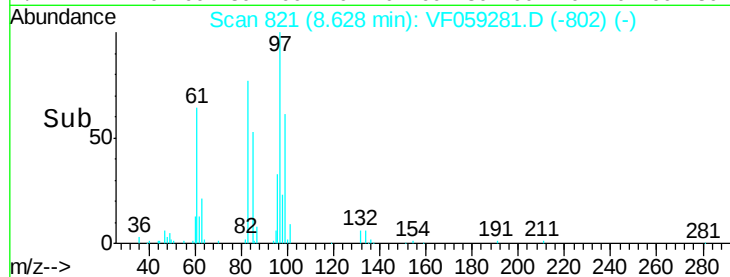
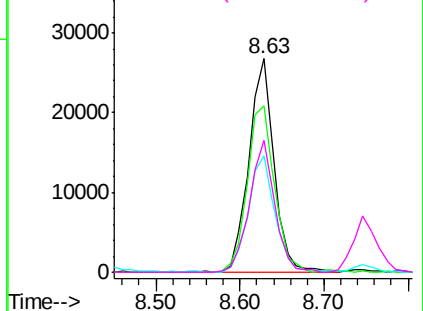


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 22.83 ug/l

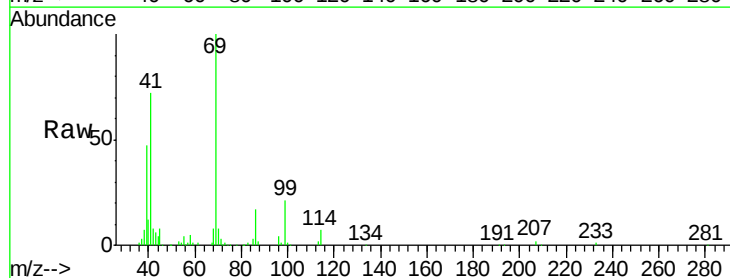
RT: 8.75 min Scan# 833

Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

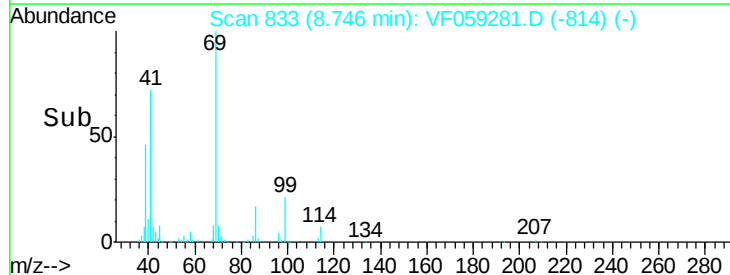
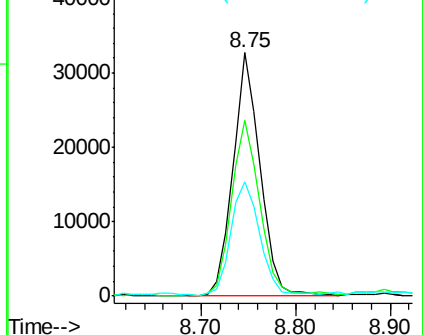
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 65153 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 72.3  | 56.6  | 85.0  |
| 39       | 47.0  | 40.5  | 60.7  |

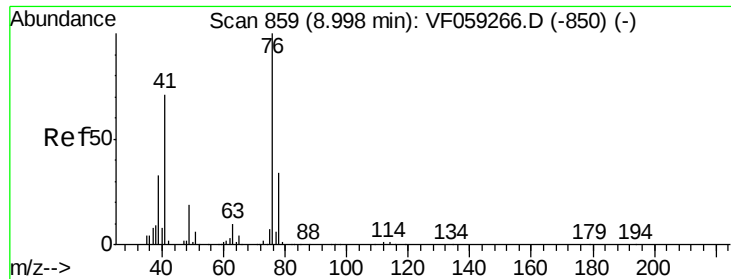


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





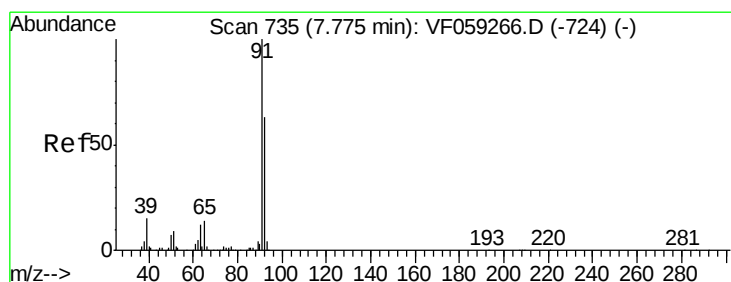
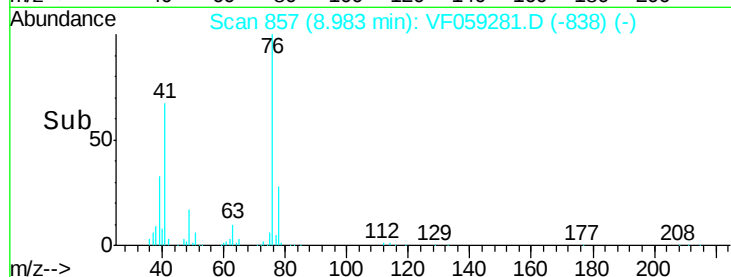
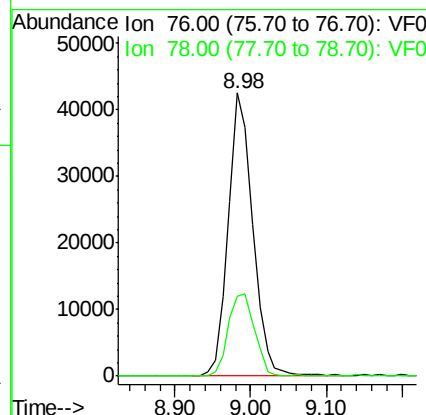
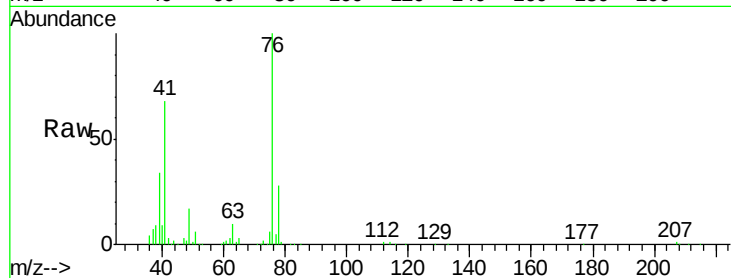
#57  
 1,3-Dichloropropane  
 Concen: 23.20 ug/l  
 RT: 8.98 min Scan# 857  
 Delta R.T. -0.01 min  
 Lab File: VF059281.D  
 Acq: 22 Jun 2018 18:42

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0622SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 28.3  | 27.5  | 41.3  |

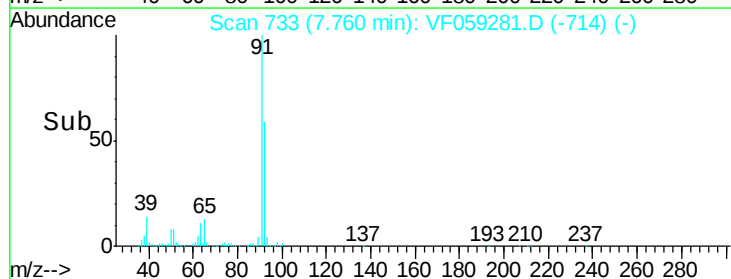
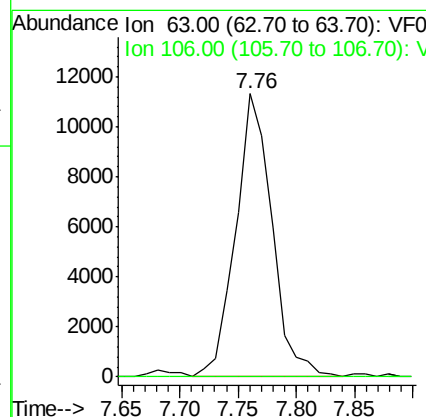
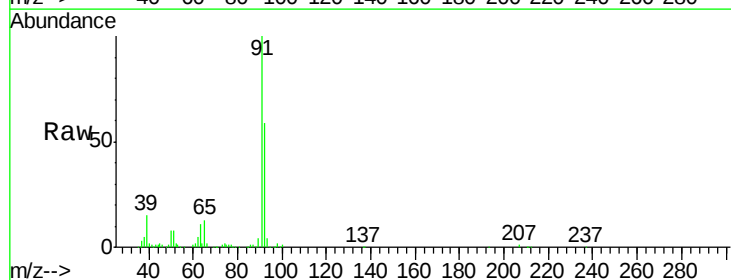
Manual Integrations  
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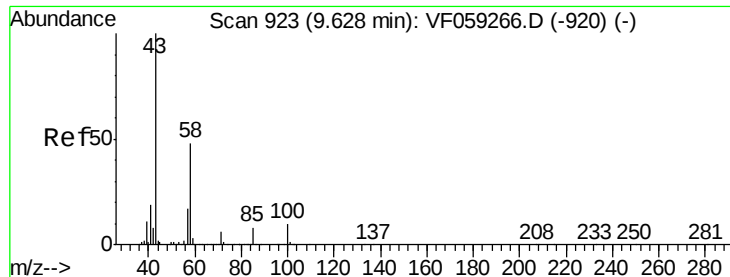
apatel  
 6/24/2018 11:34:44 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 107.32 ug/l  
 RT: 7.76 min Scan# 733  
 Delta R.T. -0.01 min  
 Lab File: VF059281.D  
 Acq: 22 Jun 2018 18:42

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





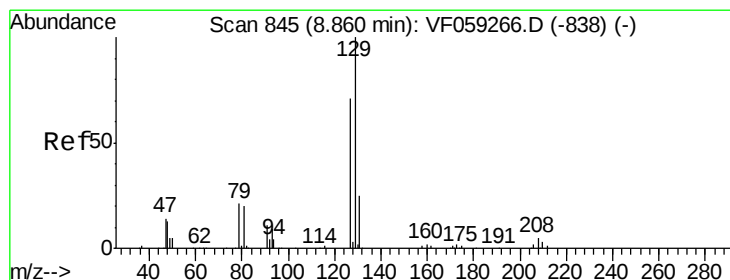
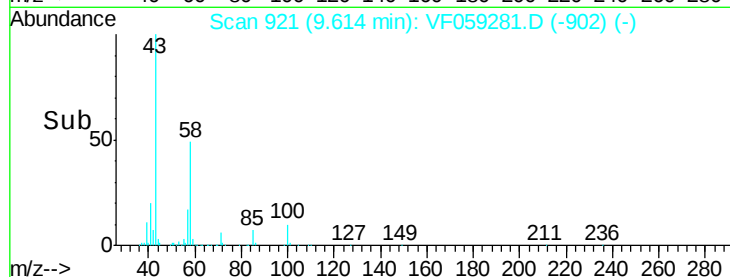
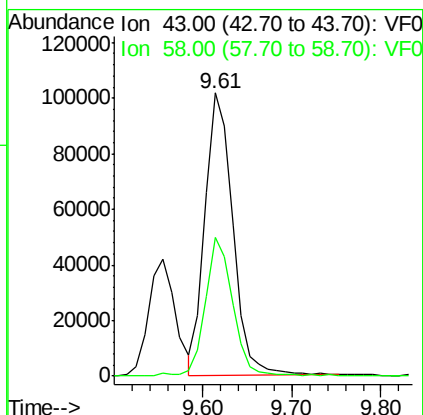
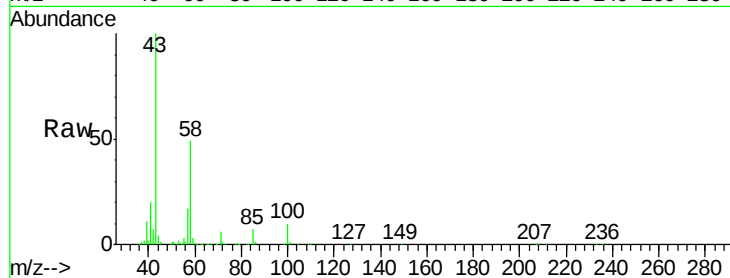
#59  
2-Hexanone  
Concen: 125.59 ug/l  
RT: 9.61 min Scan# 921  
Delta R.T. -0.01 min  
Lab File: VF059281.D  
Acq: 22 Jun 2018 18:42

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0622SBS01

Tot Ion: 43 Resp: 219476  
Ion Ratio Lower Upper  
43 100  
58 49.2 23.3 69.9

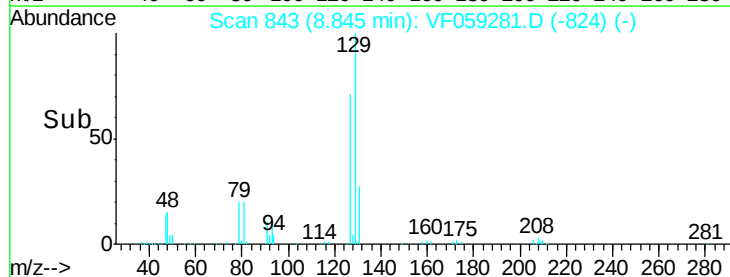
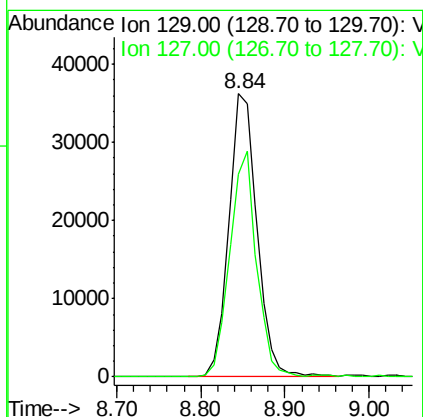
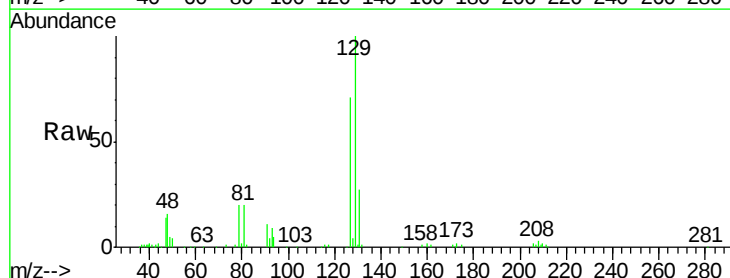
Manual Integrations  
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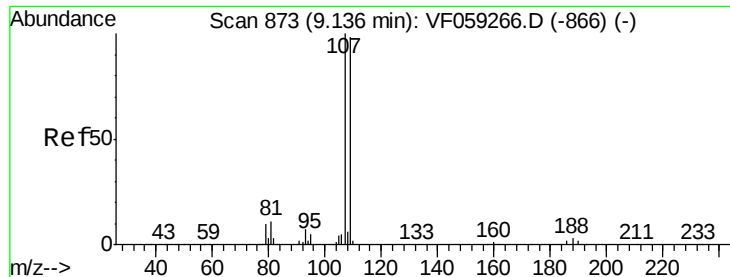
apatel  
6/24/2018 11:34:44 AM



#60  
Dibromochloromethane  
Concen: 22.98 ug/l  
RT: 8.84 min Scan# 843  
Delta R.T. -0.01 min  
Lab File: VF059281.D  
Acq: 22 Jun 2018 18:42

Tgt Ion: 129 Resp: 84364  
Ion Ratio Lower Upper  
129 100  
127 71.5 35.4 106.2





#61

1,2-Dibromoethane

Concen: 22.79 ug/l

RT: 9.12 min Scan# 871

Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA\_F

ClientSampleId :

VF0622SBS01

Tot Ion:107 Resp: 65515

Ion Ratio Lower Upper

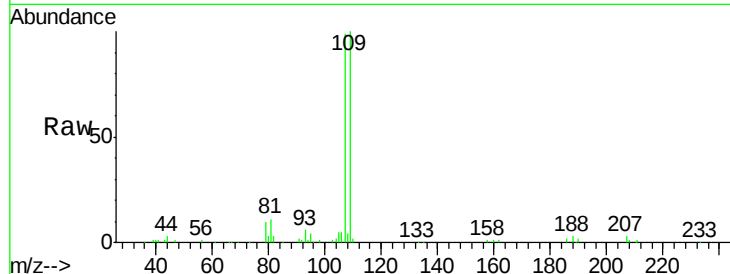
107 100

109 101.4 78.0 117.0

Manual Integrations  
APPROVED

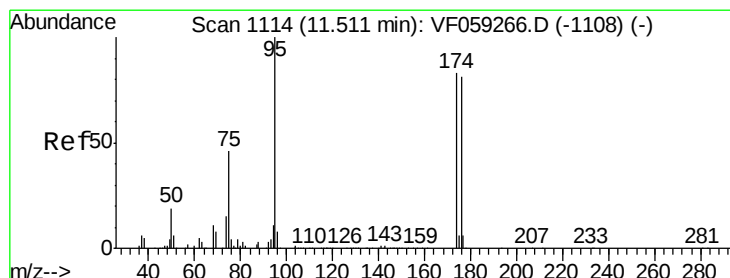
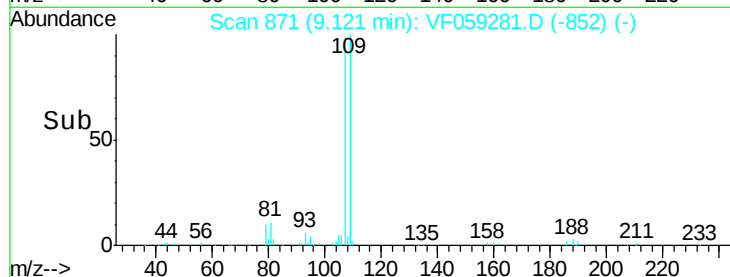
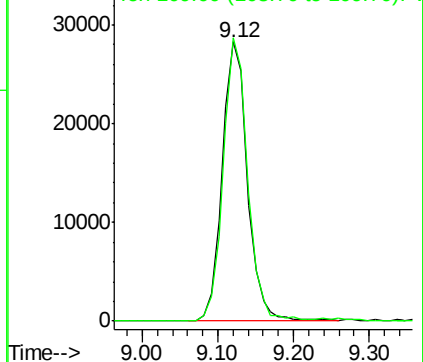
apatel

6/24/2018 11:34:44 AM



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 51.67 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

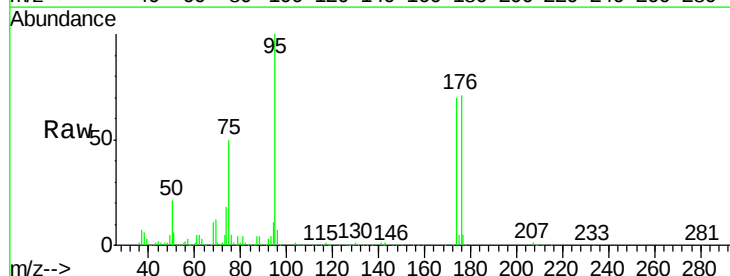
Tgt Ion: 95 Resp: 230333

Ion Ratio Lower Upper

95 100

174 70.1 0.0 166.2

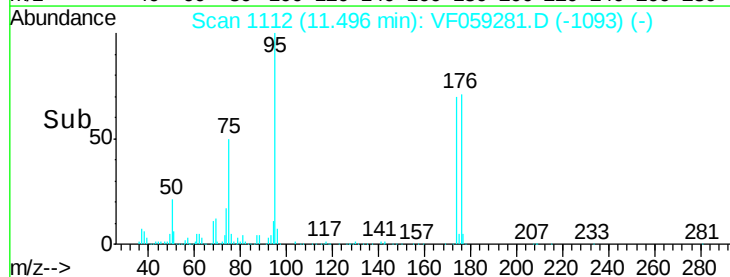
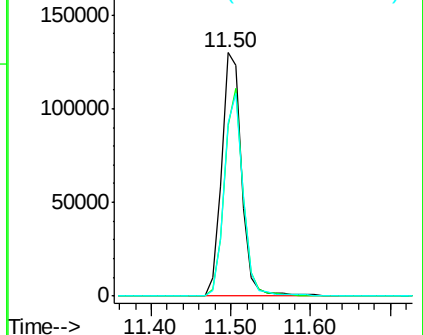
176 71.3 0.0 162.8

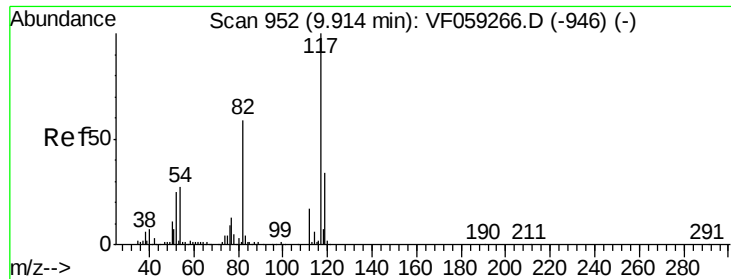


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





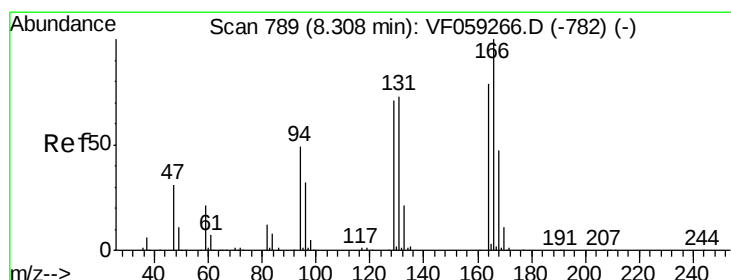
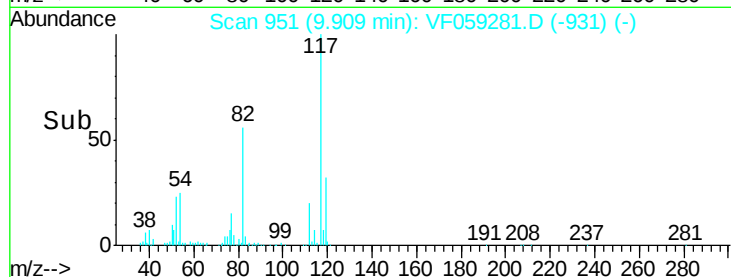
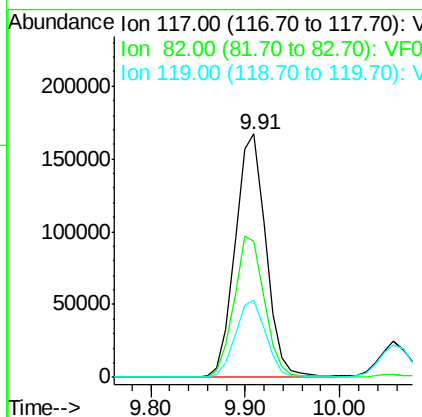
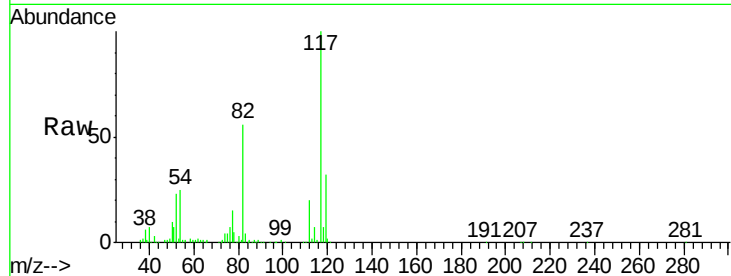
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 9.91 min Scan# 951  
Delta R.T. -0.00 min  
Lab File: VF059281.D  
Acq: 22 Jun 2018 18:42

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0622SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 375704 |       |       |
| 82      | 55.8  |        | 47.1  | 70.7  |
| 119     | 32.0  |        | 26.9  | 40.3  |

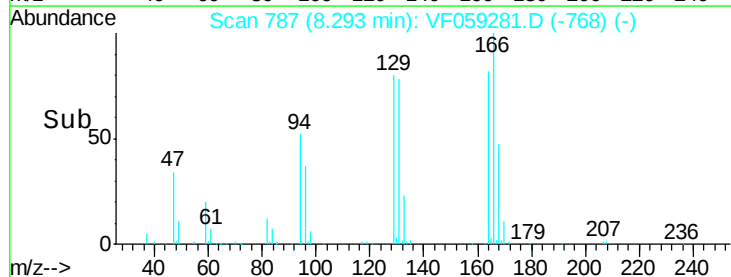
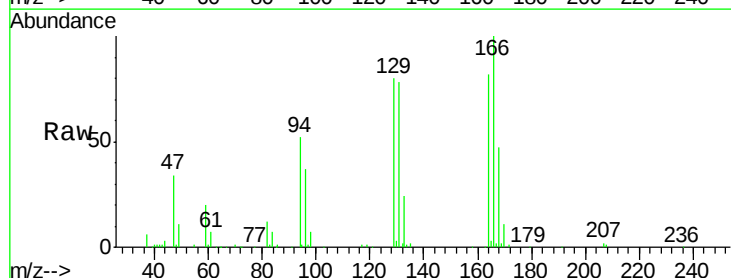
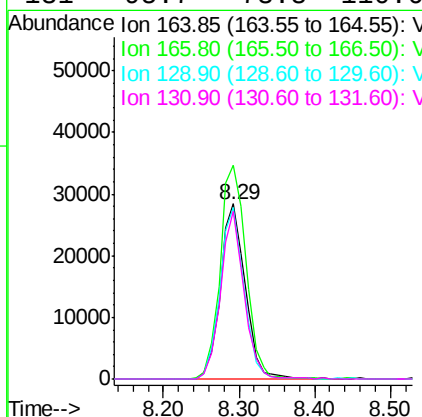
Manual Integrations  
APPROVED

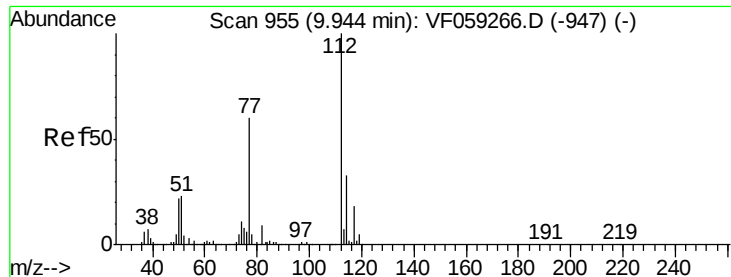
apatel  
6/24/2018 11:34:44 AM



#64  
Tetrachloroethene  
Concen: 22.33 ug/l  
RT: 8.29 min Scan# 787  
Delta R.T. -0.01 min  
Lab File: VF059281.D  
Acq: 22 Jun 2018 18:42

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 64417 |       |       |
| 166     | 122.0 |       | 101.4 | 152.2 |
| 129     | 97.8  |       | 72.2  | 108.4 |
| 131     | 95.7  |       | 73.8  | 110.6 |





#65

Chlorobenzene

Concen: 23.32 ug/l

RT: 9.93 min Scan# 953

Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA\_F

ClientSampleId :

VF0622SBS01

Tot Ion:112 Resp: 186461

Ion Ratio Lower Upper

112 100

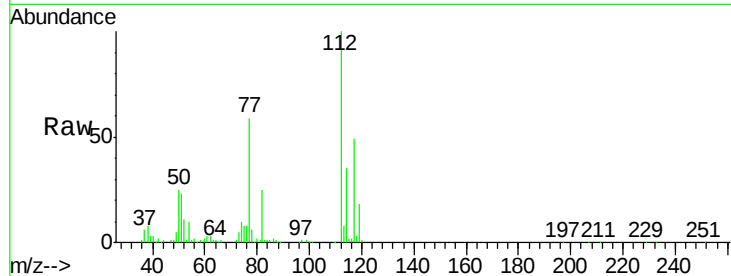
114 34.7 26.4 39.6

Manual Integrations

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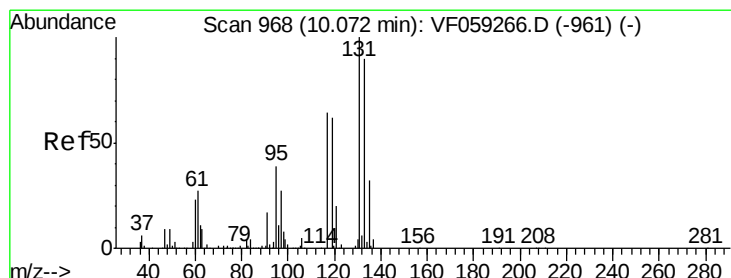
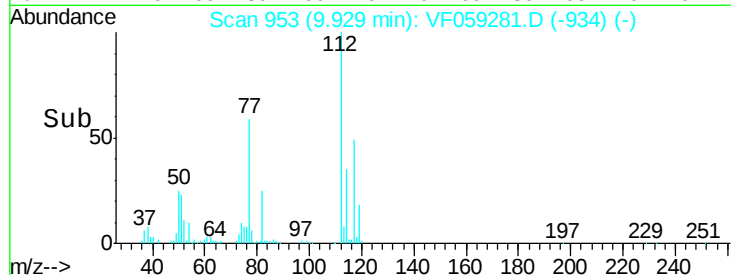
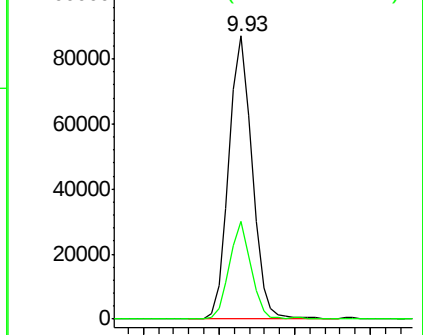
apatel

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.72 ug/l

RT: 10.06 min Scan# 966

Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

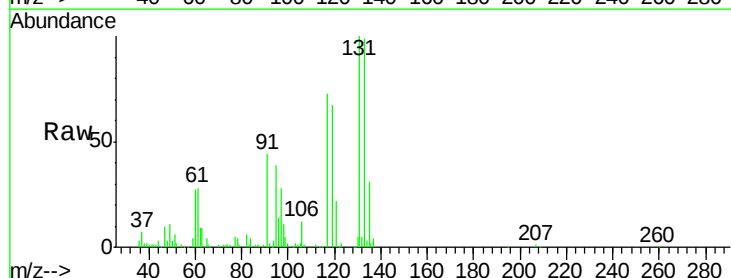
Tgt Ion:131 Resp: 75671

Ion Ratio Lower Upper

131 100

133 98.9 45.1 135.2

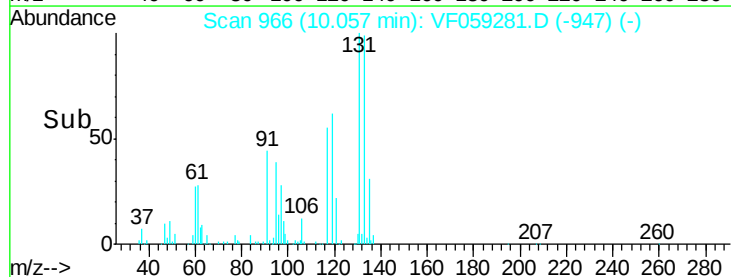
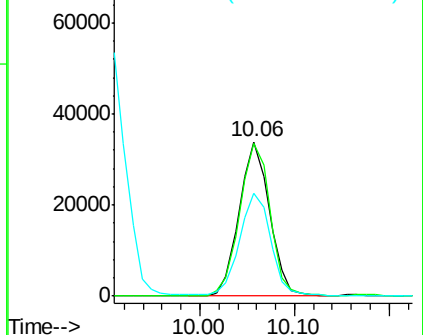
119 66.8 31.2 93.6

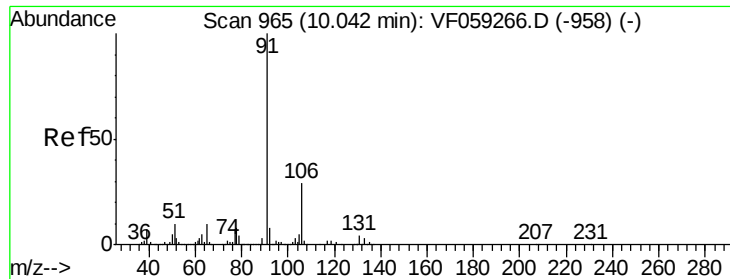


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 22.73 ug/l

RT: 10.03 min Scan# 963

Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA\_F

ClientSampleId :

VF0622SBS01

Tot Ion: 91 Resp: 308542

Ion Ratio Lower Upper

91 100

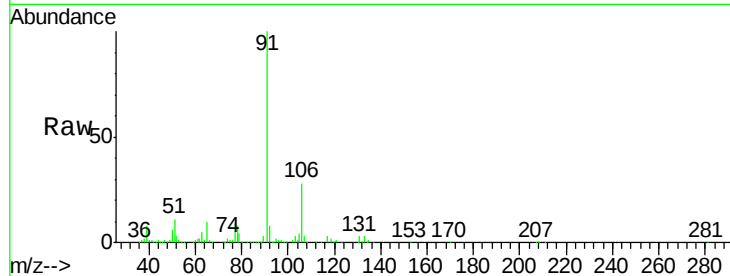
106 28.3 23.4 35.2

Manual Integrations

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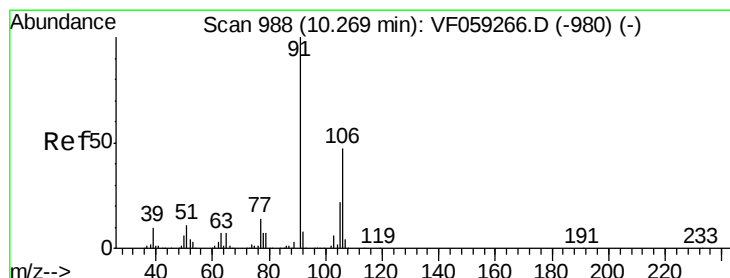
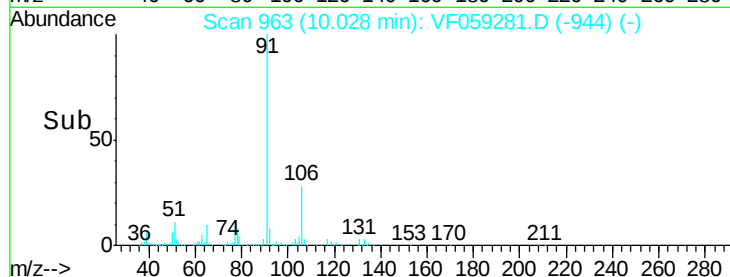
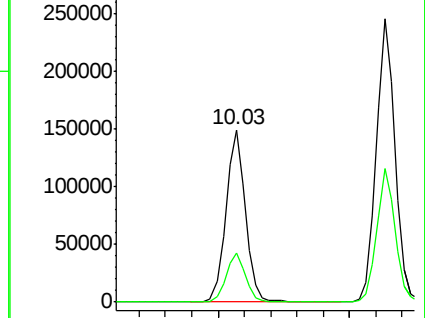
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 47.00 ug/l

RT: 10.25 min Scan# 986

Delta R.T. -0.01 min

Lab File: VF059281.D

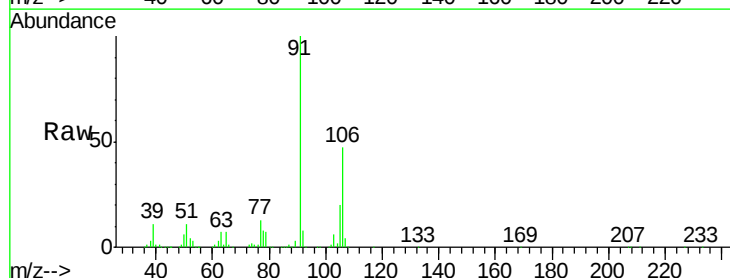
Acq: 22 Jun 2018 18:42

Tgt Ion:106 Resp: 229274

Ion Ratio Lower Upper

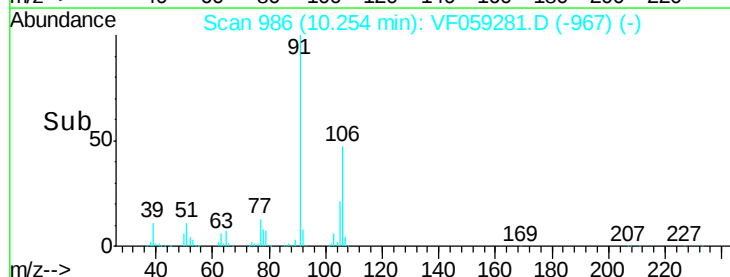
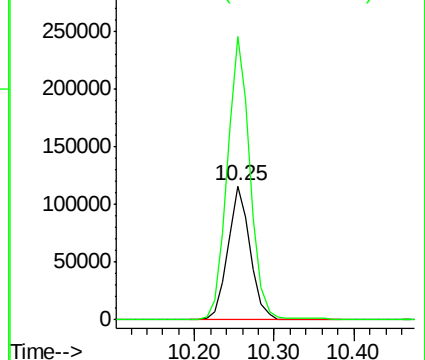
106 100

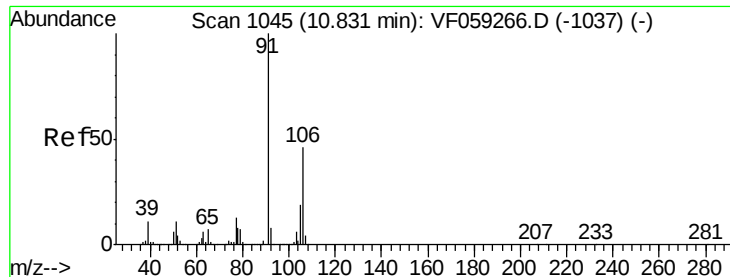
91 211.7 168.8 253.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





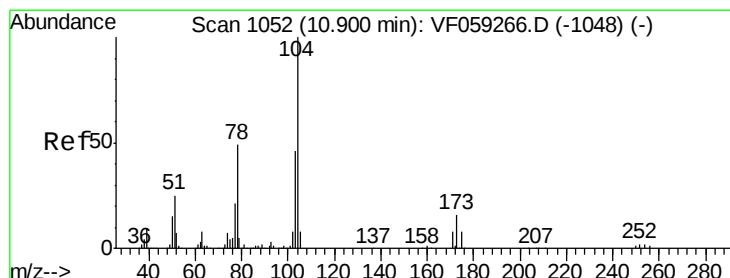
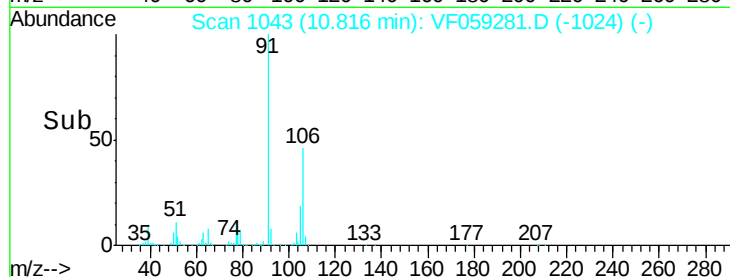
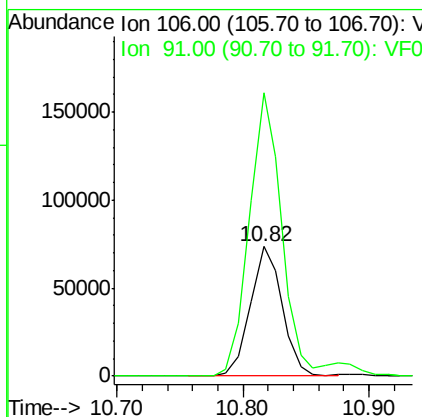
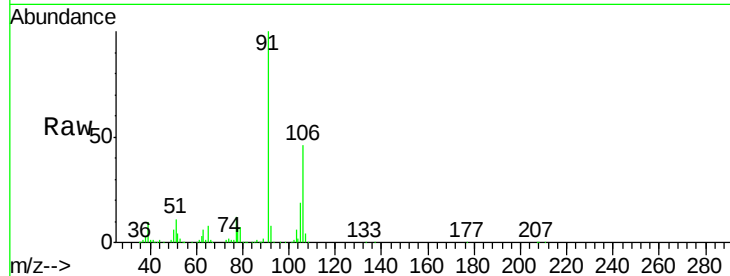
#69  
o-Xylene  
Concen: 24.03 ug/l  
RT: 10.82 min Scan# 1043  
Delta R.T. -0.01 min  
Lab File: VF059281.D  
Acq: 22 Jun 2018 18:42

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0622SBS01

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 106     | 100   |       |       |       |
| 91      | 218.9 | 109.1 | 327.4 |       |

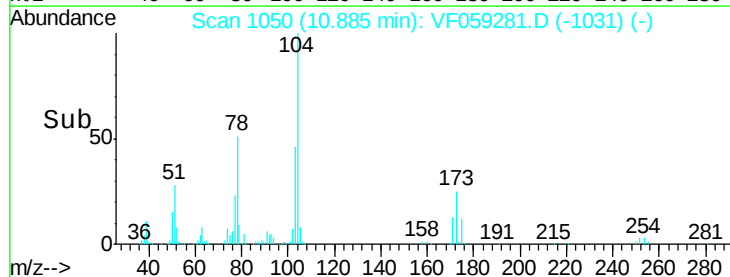
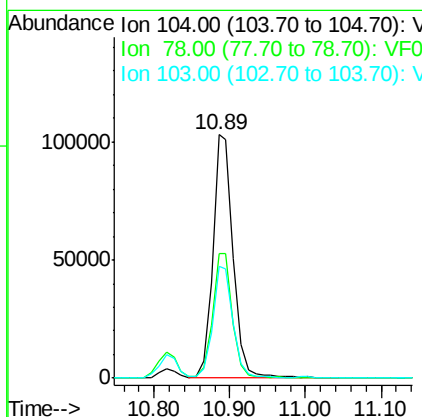
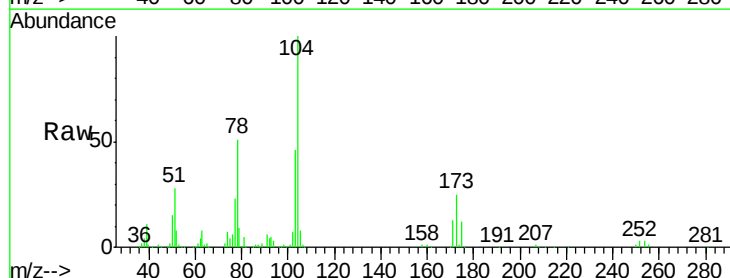
Manual Integrations  
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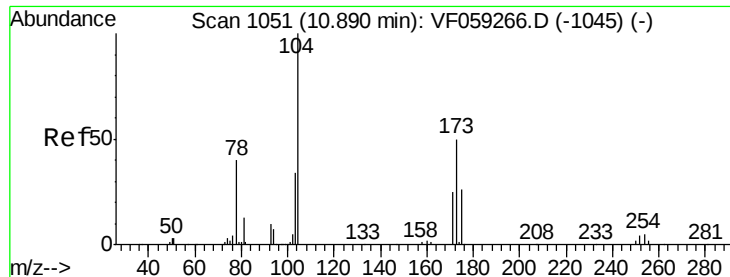
apatel  
6/24/2018 11:34:44 AM



#70  
Styrene  
Concen: 23.77 ug/l  
RT: 10.89 min Scan# 1050  
Delta R.T. -0.01 min  
Lab File: VF059281.D  
Acq: 22 Jun 2018 18:42

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 104     | 100  |       |       |       |
| 78      | 51.0 | 39.3  | 58.9  |       |
| 103     | 45.8 | 36.6  | 55.0  |       |





#71

Bromoform

Concen: 23.27 ug/l

RT: 10.88 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA\_F

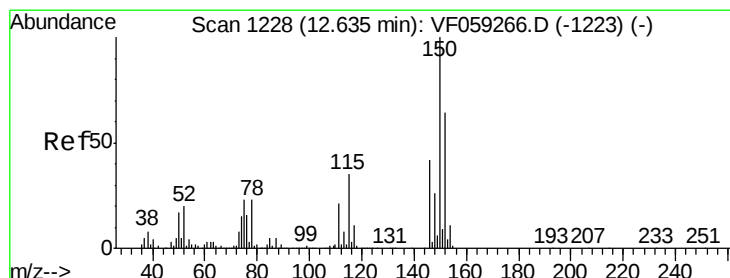
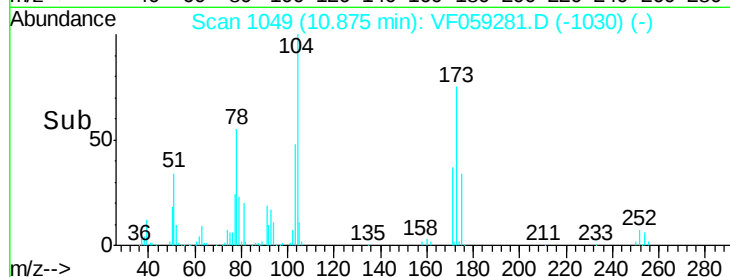
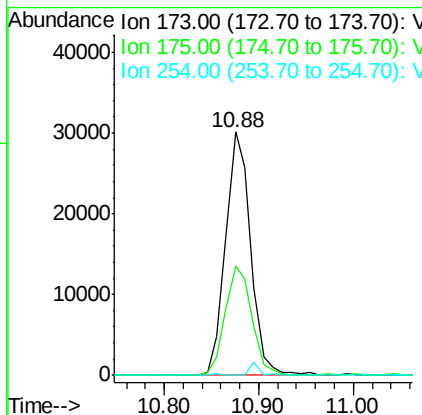
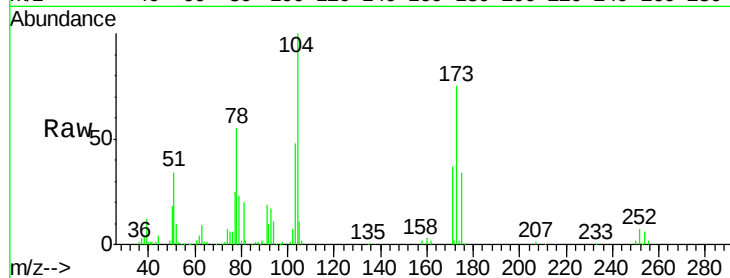
ClientSampleId :

VF0622SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 173   | Resp: | 55277 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 44.8  | 25.4  | 76.4  |
| 254       | 0.0   | 0.0   | 0.0   |

Manual Integrations  
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

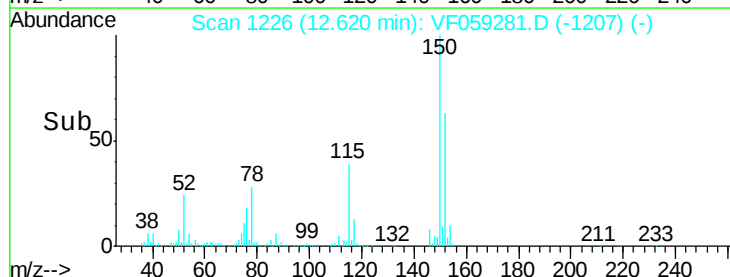
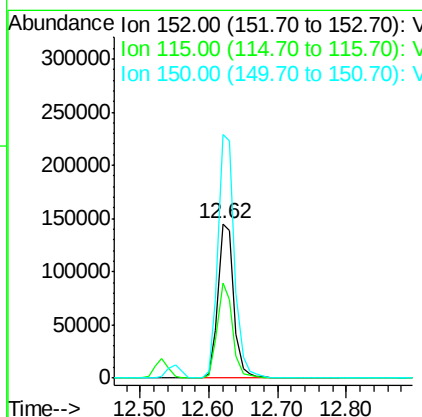
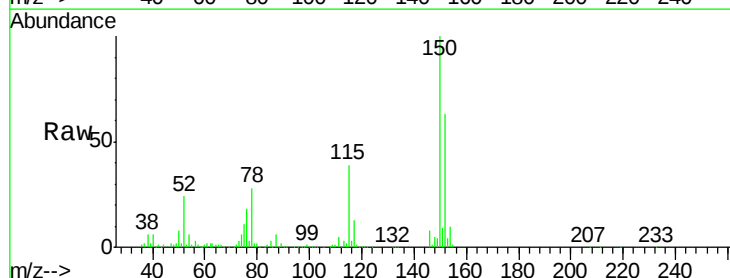
RT: 12.62 min Scan# 1226

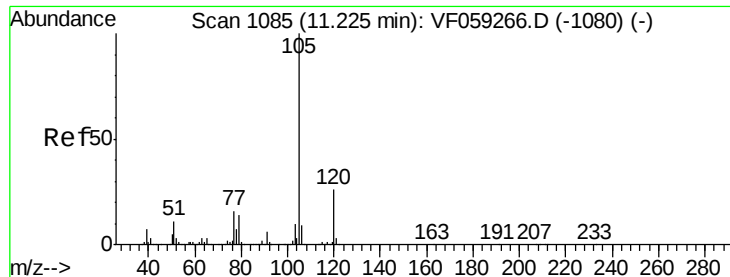
Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 233245 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 61.5  | 27.8  | 83.3   |
| 150       | 158.1 | 0.0   | 313.8  |





#73

Isopropylbenzene

Concen: 23.08 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA\_F

ClientSampled :

VF0622SBS01

Tot Ion: 105 Resp: 370818

Ion Ratio Lower Upper

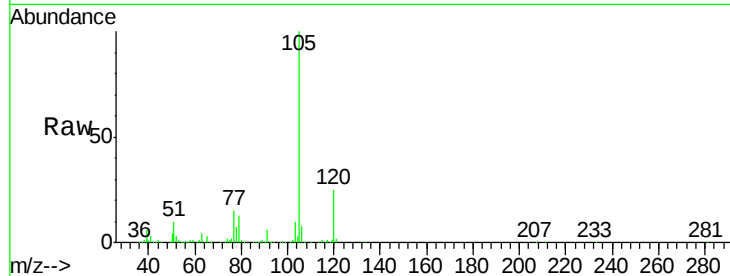
105 100

120 24.5 12.9 38.7

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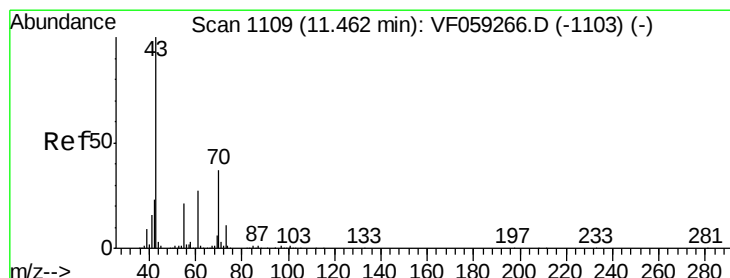
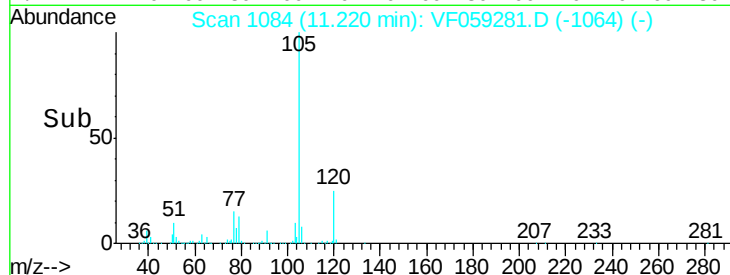
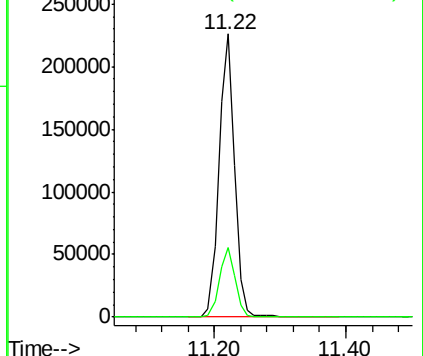
apatel

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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: 25.10 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Tgt Ion: 43 Resp: 131707

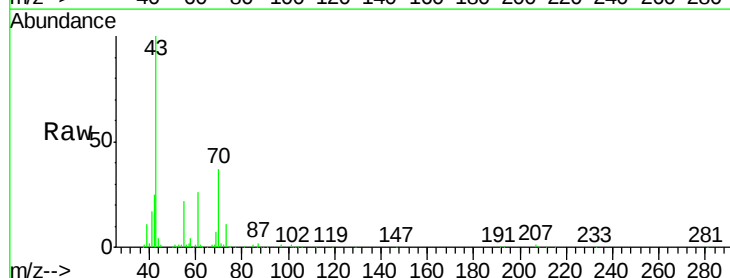
Ion Ratio Lower Upper

43 100

70 37.4 29.6 44.4

55 21.9 17.0 25.4

61 26.4 21.4 32.2

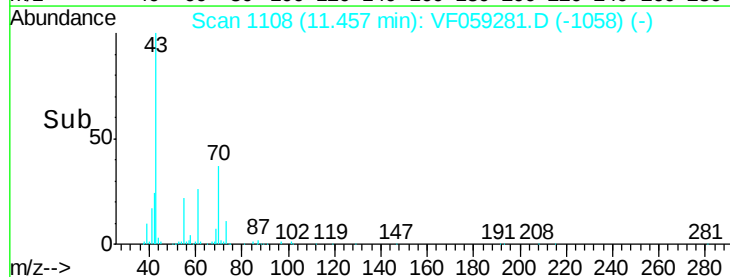
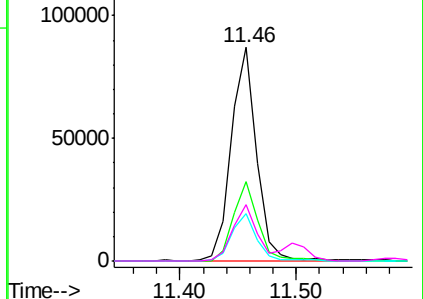


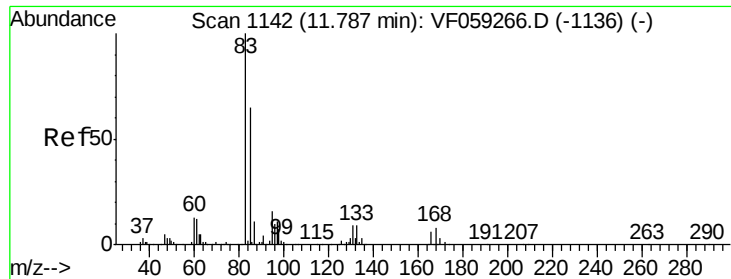
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 23.43 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA\_F

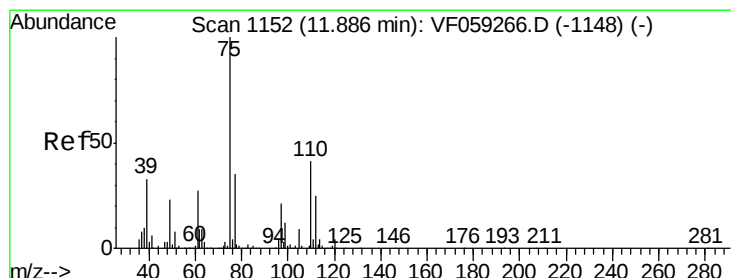
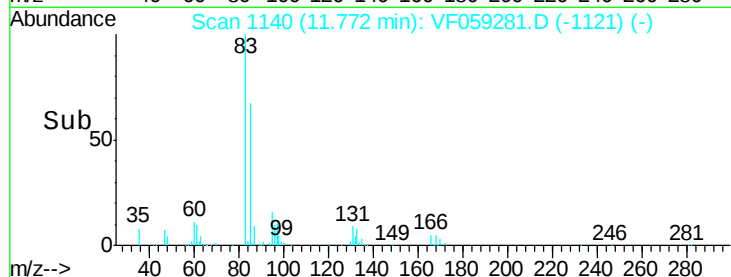
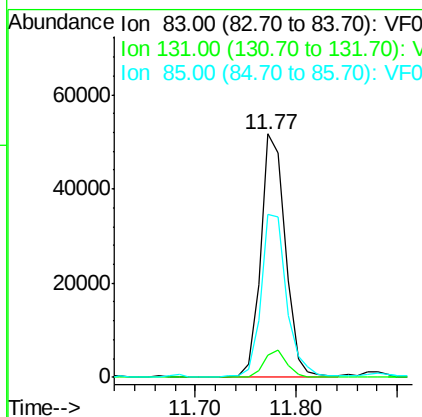
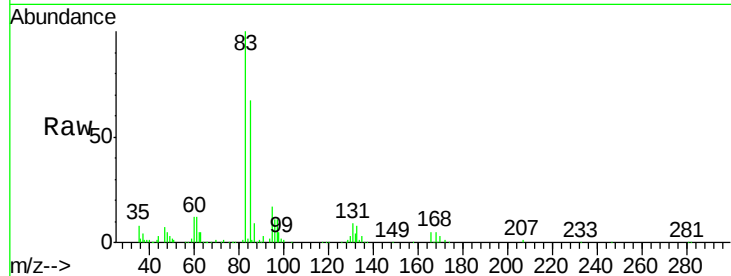
ClientSampleId :

VF0622SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 88333 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 9.0   | 4.8   | 14.3  |
| 85        | 67.0  | 32.4  | 97.2  |

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#76

1,2,3-Trichloropropane

Concen: 24.17 ug/l

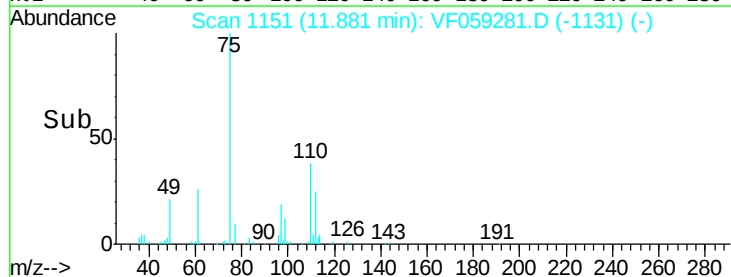
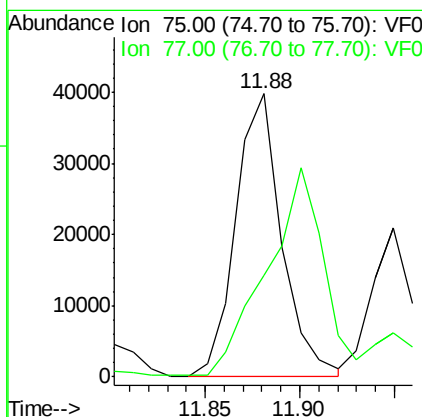
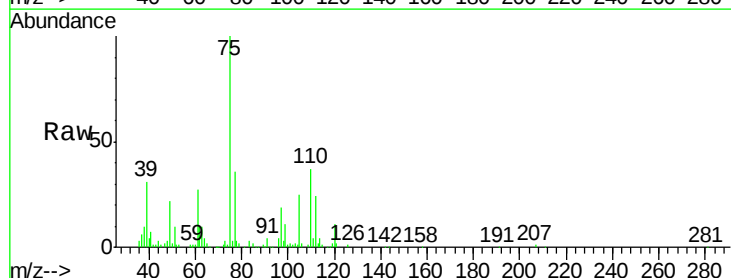
RT: 11.88 min Scan# 1151

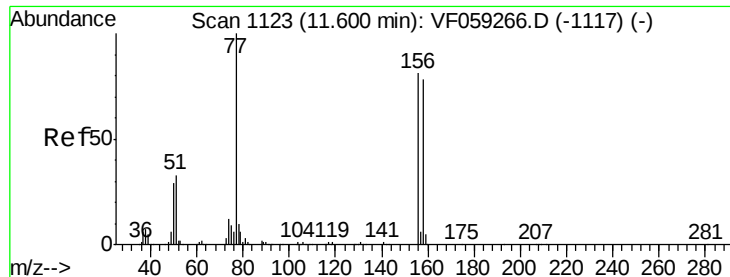
Delta R.T. -0.00 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 66721 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 36.0  | 17.4  | 52.2  |





#77

Bromobenzene

Concen: 21.26 ug/l

RT: 11.59 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA\_F

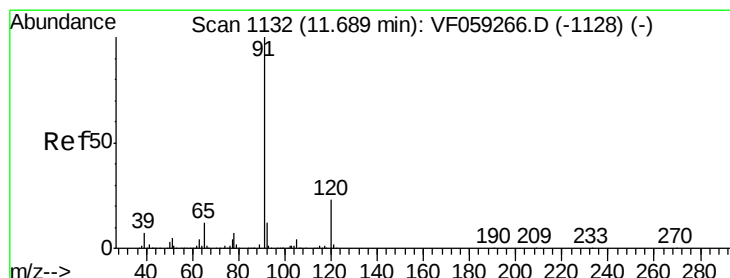
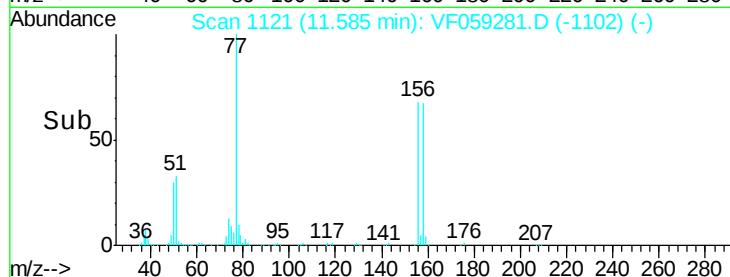
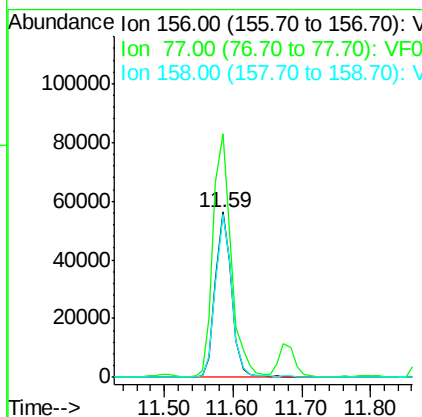
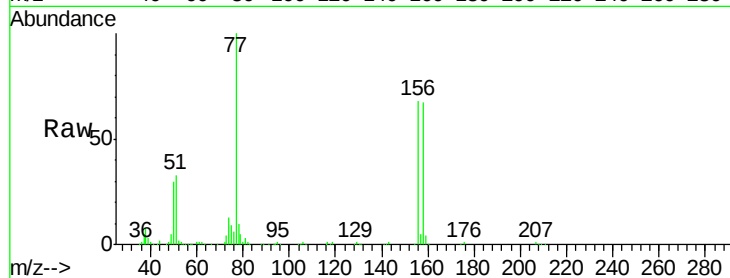
ClientSampleId :

VF0622SBS01

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 156     | 100   |       |       |       |
| 77      | 147.5 | 61.7  | 185.0 |       |
| 158     | 98.5  | 48.2  | 144.6 |       |

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#78

n-propylbenzene

Concen: 23.21 ug/l

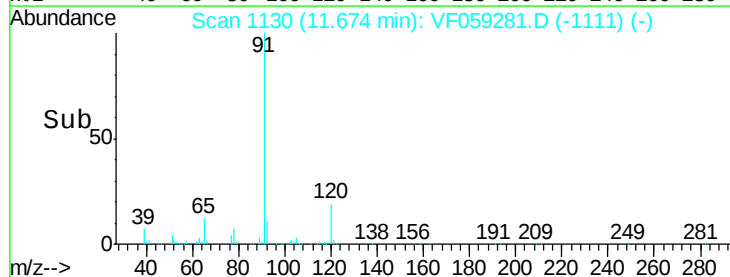
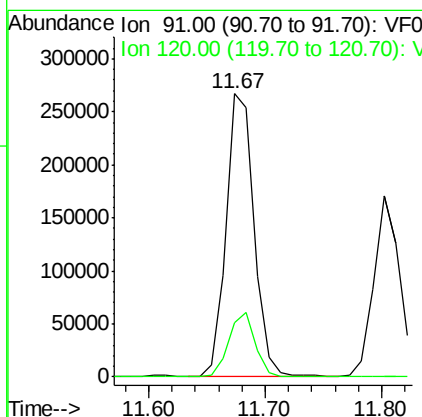
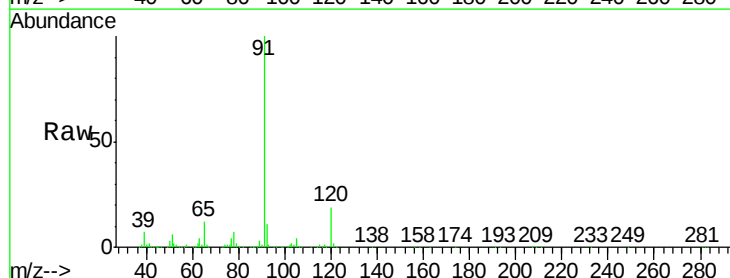
RT: 11.67 min Scan# 1130

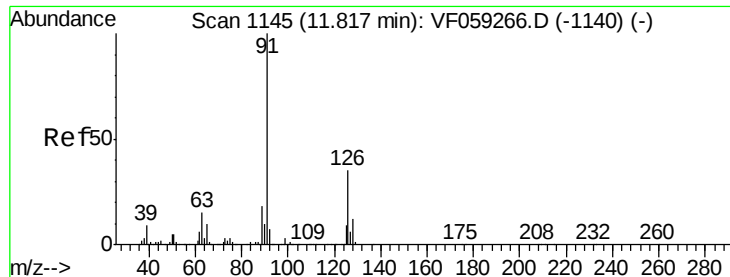
Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 91      | 100  |       |       |       |
| 120     | 19.4 | 11.5  | 34.5  |       |





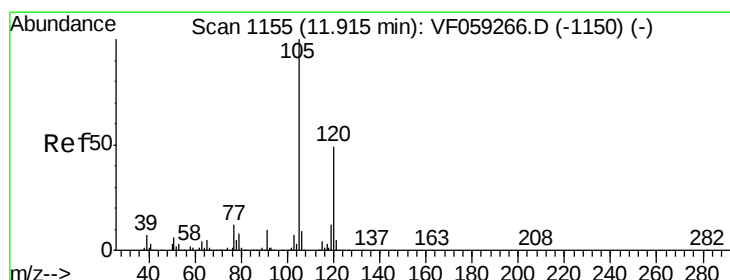
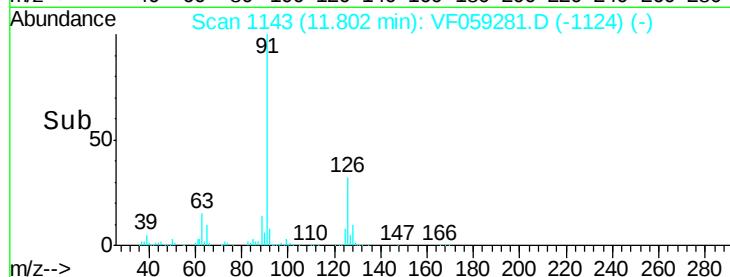
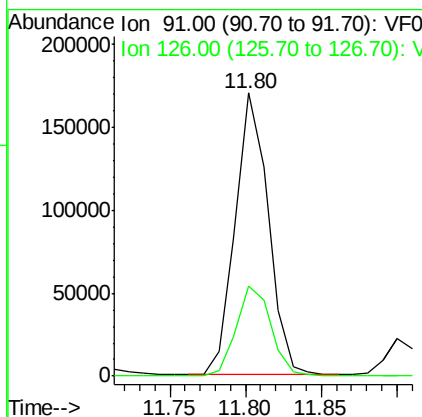
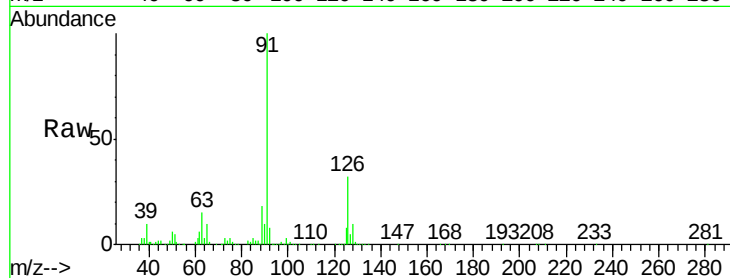
#79  
 2-Chlorotoluene  
 Concen: 22.65 ug/l  
 RT: 11.80 min Scan# 1143  
 Delta R.T. -0.01 min  
 Lab File: VF059281.D  
 Acq: 22 Jun 2018 18:42

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0622SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 31.8  | 17.5  | 52.5  |

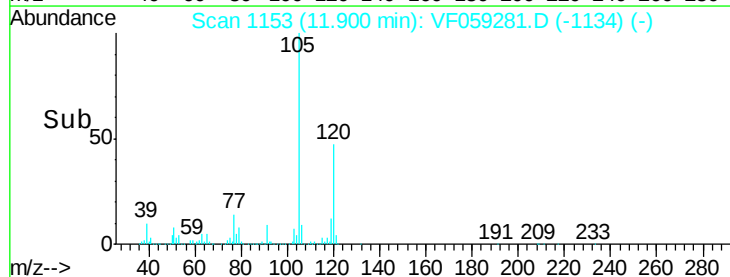
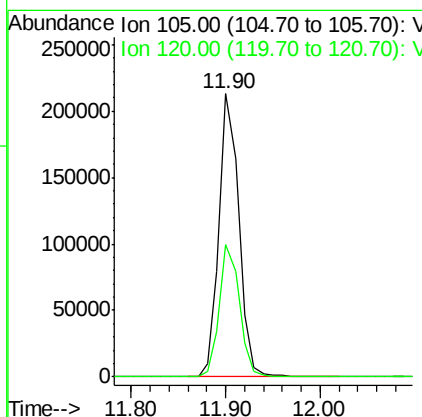
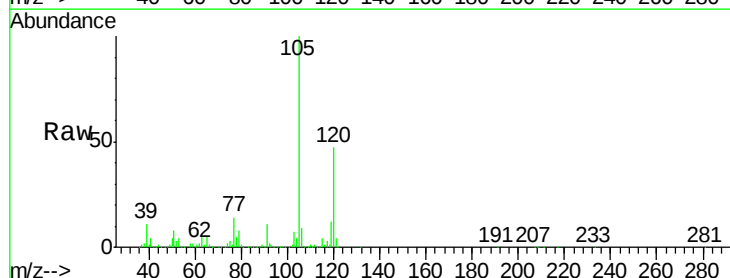
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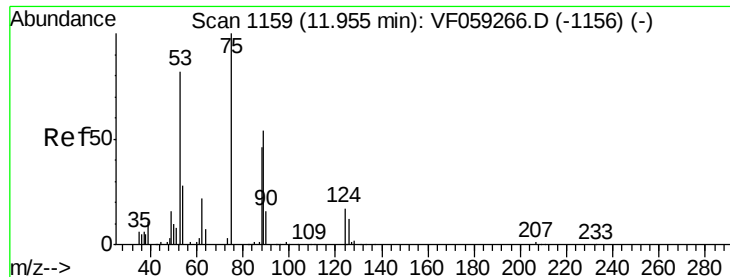
apatel  
 6/24/2018 11:34:44 AM



#80  
 1,3,5-Trimethylbenzene  
 Concen: 23.04 ug/l  
 RT: 11.90 min Scan# 1153  
 Delta R.T. -0.01 min  
 Lab File: VF059281.D  
 Acq: 22 Jun 2018 18:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 46.9  | 24.3  | 73.0  |





#81

trans-1,4-Dichloro-2-butene

Concen: 22.95 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA\_F

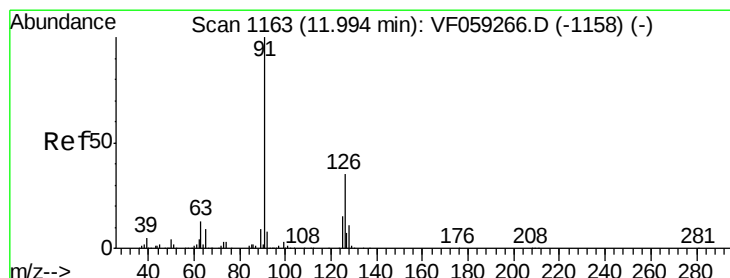
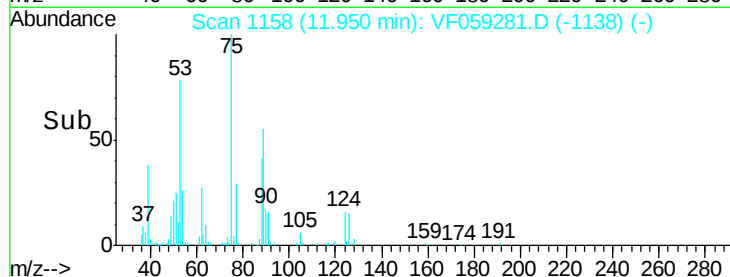
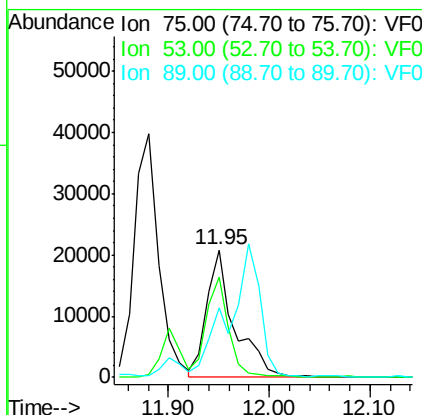
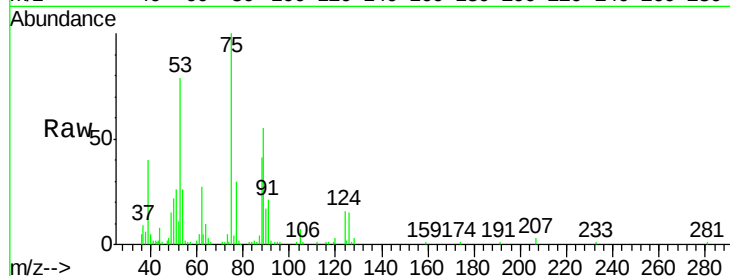
ClientSampleId :

VF0622SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 40571 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 78.7  | 70.2  | 105.2 |
| 89       | 54.5  | 45.3  | 67.9  |

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#82

4-Chlorotoluene

Concen: 22.76 ug/l

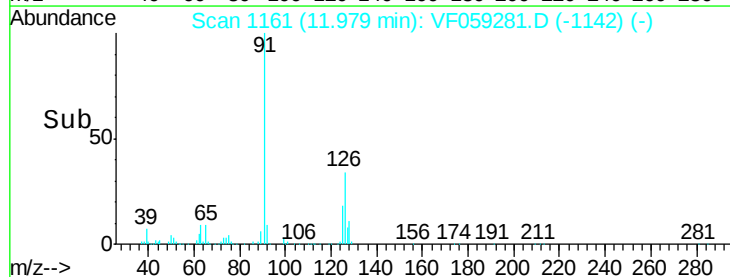
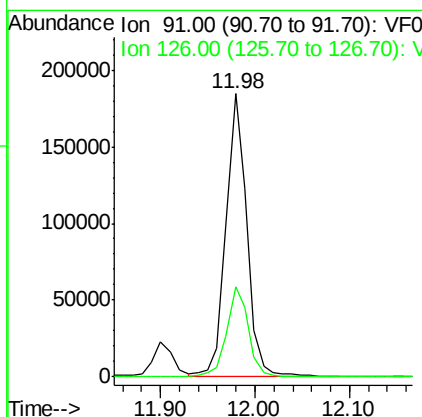
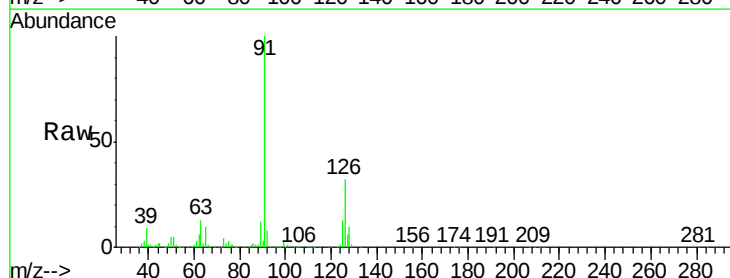
RT: 11.98 min Scan# 1161

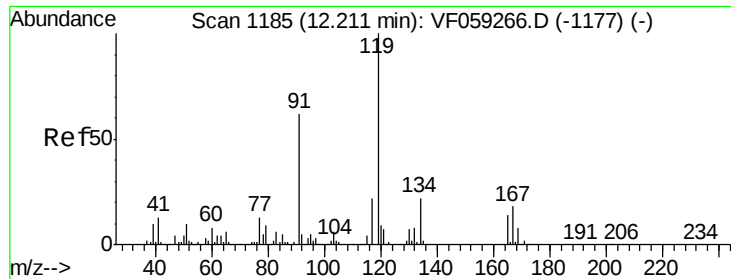
Delta R.T. -0.01 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 278652 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 31.7  | 17.6  | 52.8   |





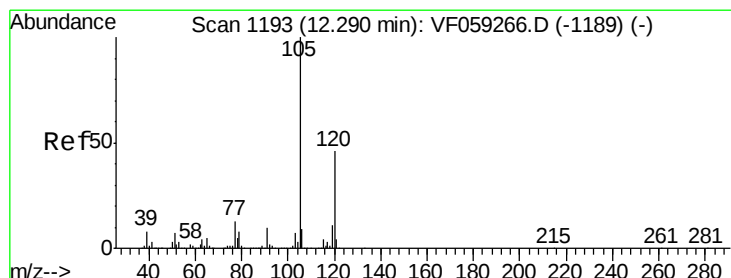
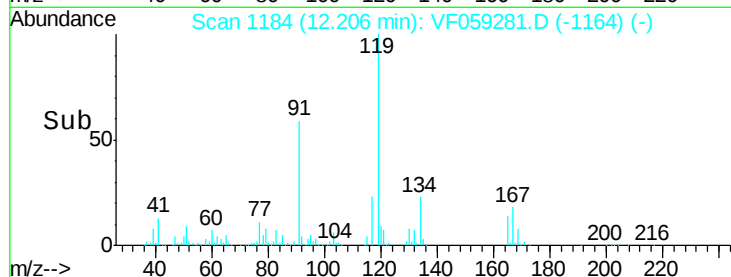
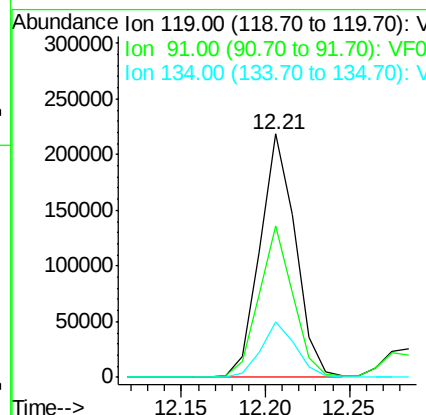
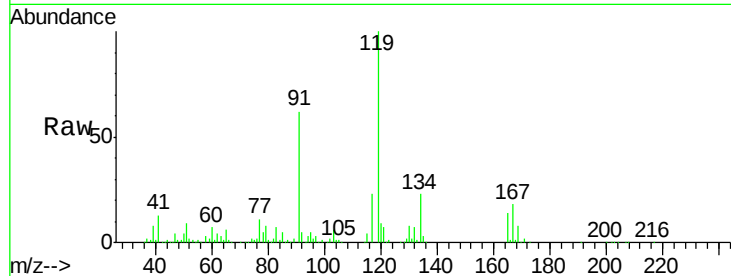
#83  
 tert-Butylbenzene  
 Concen: 23.21 ug/l  
 RT: 12.21 min Scan# 1184  
 Delta R.T. -0.00 min  
 Lab File: VF059281.D  
 Acq: 22 Jun 2018 18:42

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0622SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 62.5  | 31.3  | 93.8  |
| 134     | 22.7  | 11.3  | 33.8  |

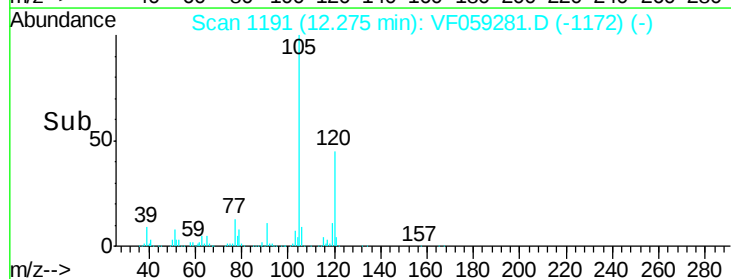
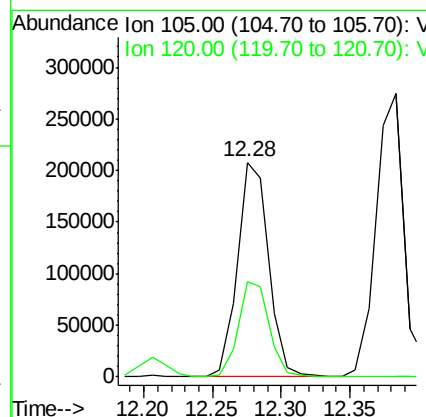
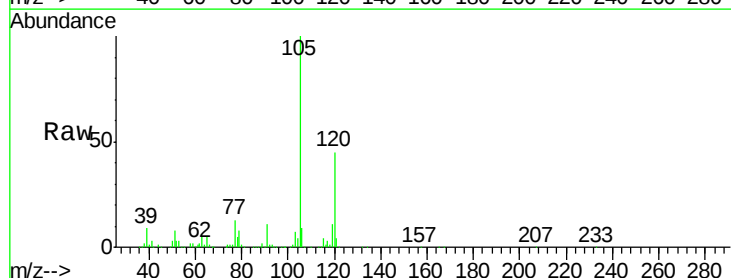
Manual Integrations  
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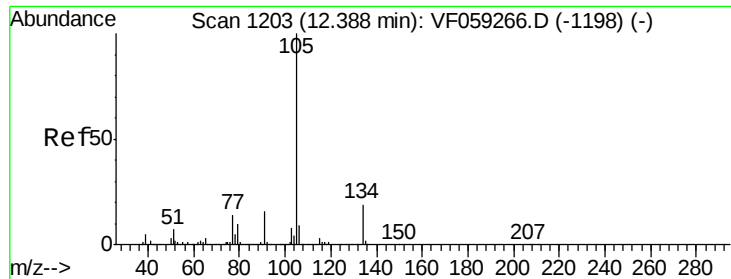
apatel  
 6/24/2018 11:34:44 AM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 22.95 ug/l  
 RT: 12.28 min Scan# 1191  
 Delta R.T. -0.01 min  
 Lab File: VF059281.D  
 Acq: 22 Jun 2018 18:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 44.5  | 22.8  | 68.4  |





#85

sec-Butylbenzene

Concen: 21.45 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

Instrument :

MSVOA\_F

ClientSampleId :

VF0622SBS01

Tot Ion:105 Resp: 393673

Ion Ratio Lower Upper

105 100

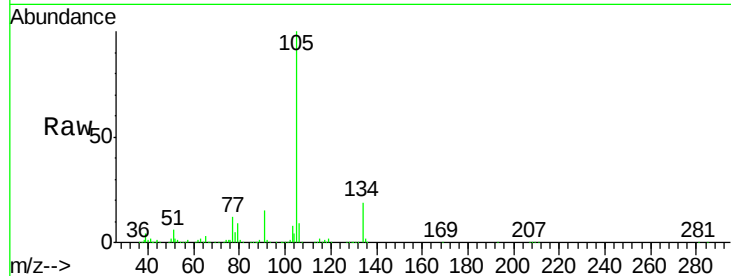
134 19.5 9.5 28.5

Manual Integrations

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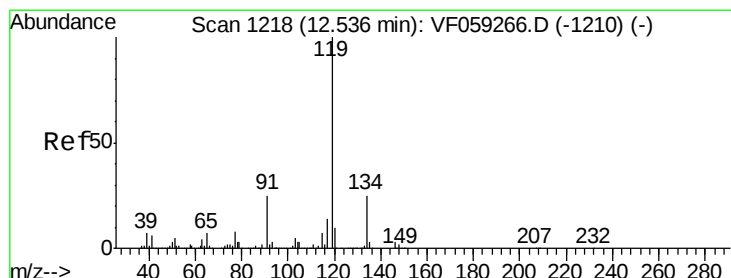
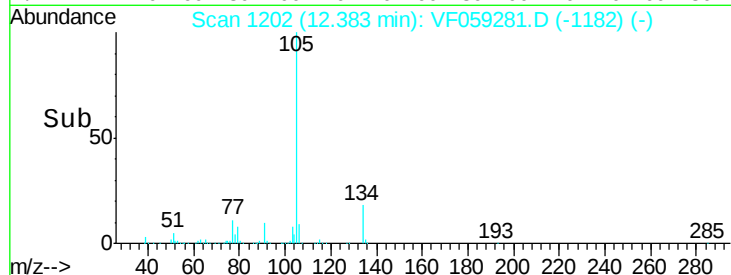
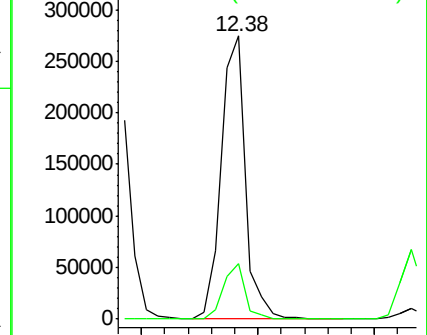
apatel

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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: 24.34 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VF059281.D

Acq: 22 Jun 2018 18:42

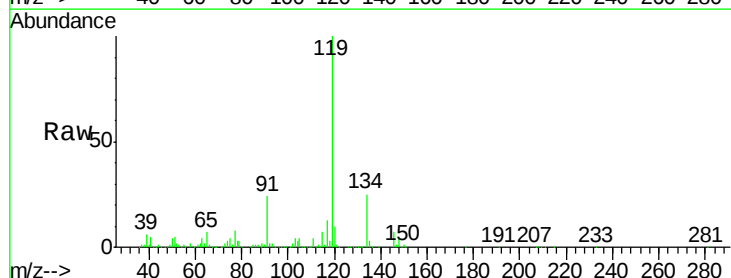
Tgt Ion:119 Resp: 368224

Ion Ratio Lower Upper

119 100

134 24.7 12.6 37.8

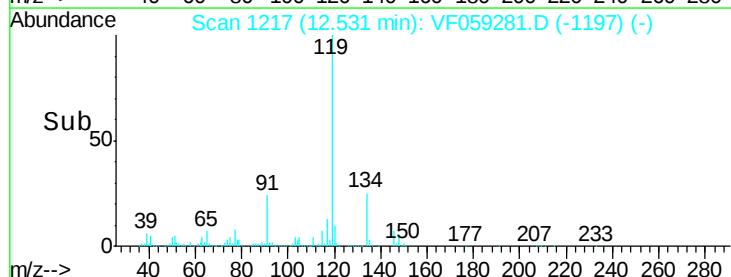
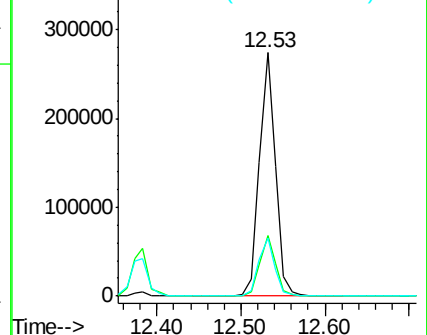
91 23.7 12.6 37.8

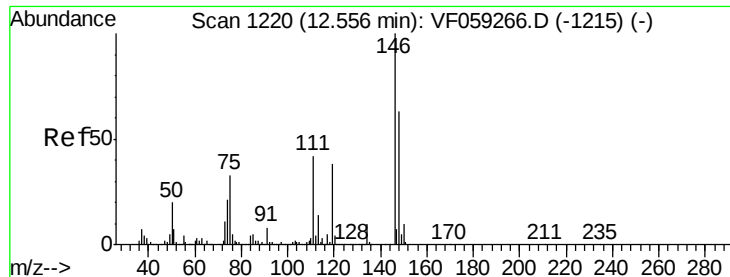


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





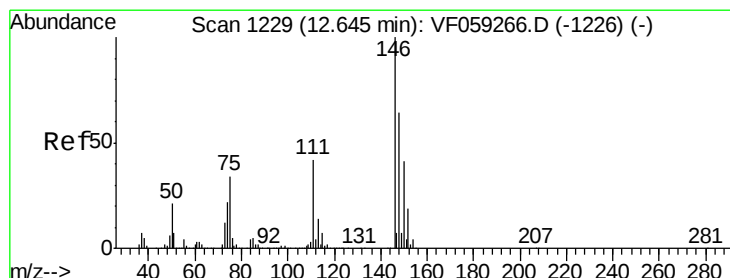
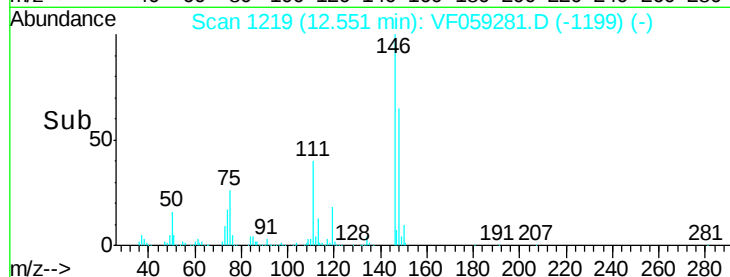
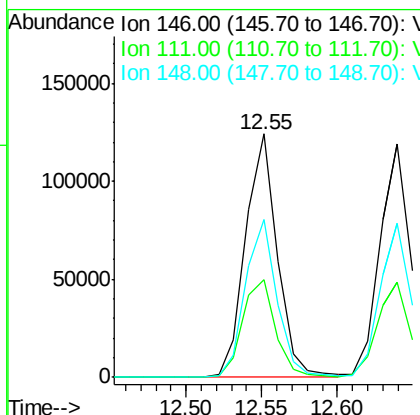
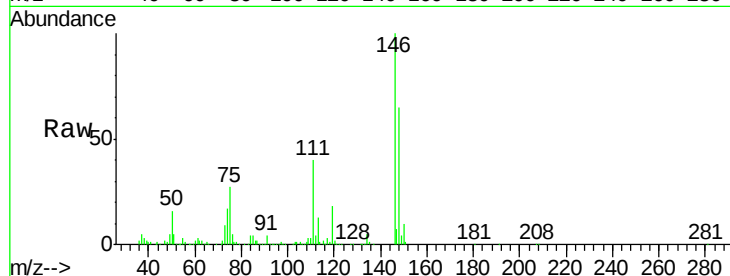
#87  
 1,3-Dichlorobenzene  
 Concen: 23.50 ug/l  
 RT: 12.55 min Scan# 1219  
 Delta R.T. -0.00 min  
 Lab File: VF059281.D  
 Acq: 22 Jun 2018 18:42

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0622SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.9  | 21.0  | 63.0  |
| 148     | 64.7  | 31.6  | 94.8  |

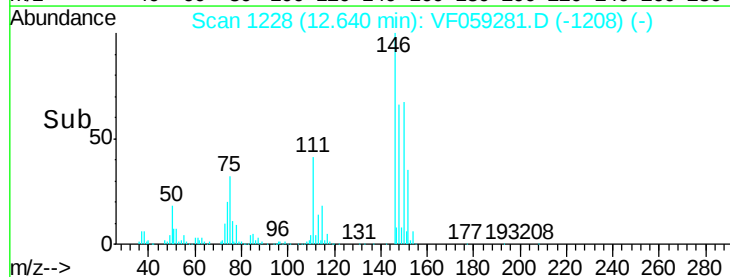
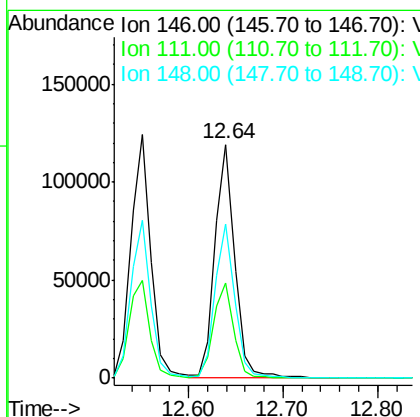
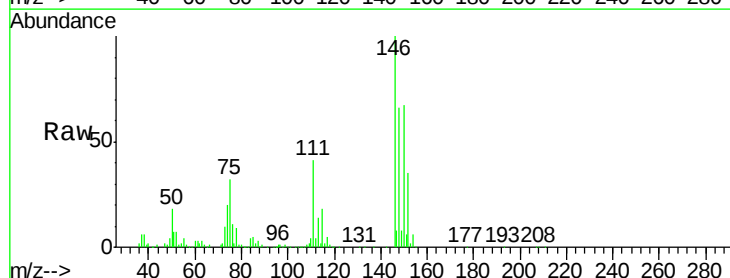
Manual Integrations  
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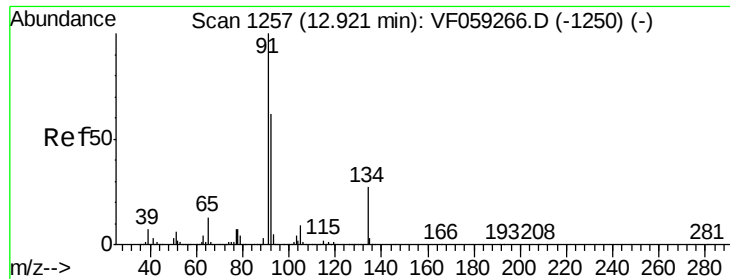
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#88  
 1,4-Dichlorobenzene  
 Concen: 22.61 ug/l  
 RT: 12.64 min Scan# 1228  
 Delta R.T. -0.00 min  
 Lab File: VF059281.D  
 Acq: 22 Jun 2018 18:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.7  | 21.3  | 63.9  |
| 148     | 65.8  | 32.0  | 96.2  |





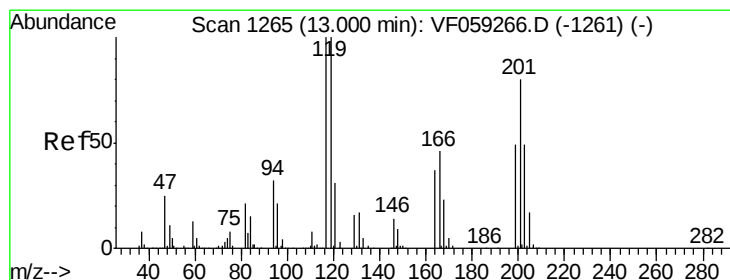
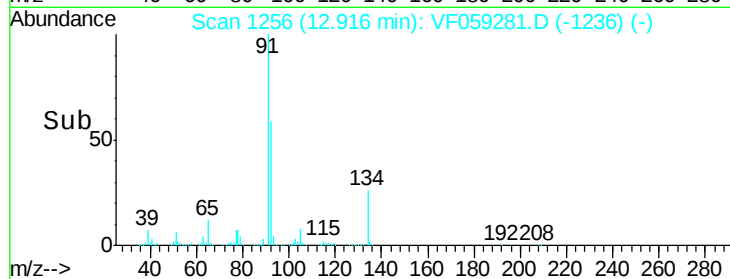
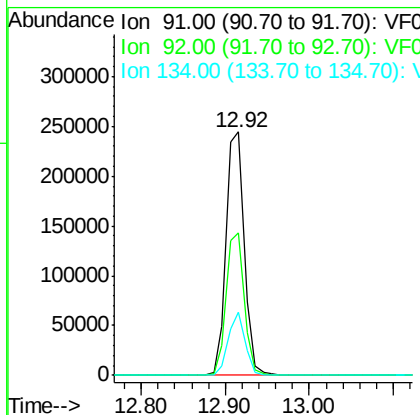
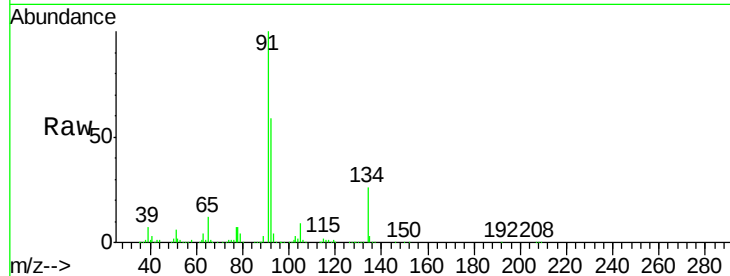
#89  
n-Butylbenzene  
Concen: 23.90 ug/l  
RT: 12.92 min Scan# 1256  
Delta R.T. -0.00 min  
Lab File: VF059281.D  
Acq: 22 Jun 2018 18:42

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0622SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 58.5  | 31.2  | 93.6  |
| 134     | 26.0  | 13.4  | 40.1  |

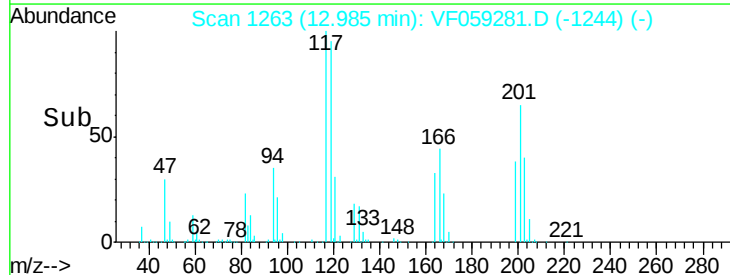
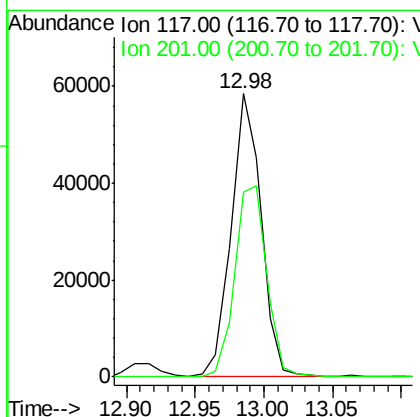
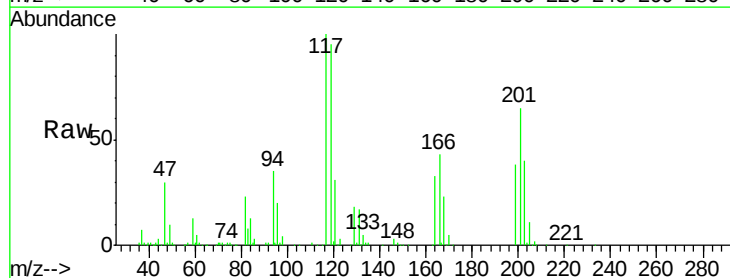
Manual Integrations  
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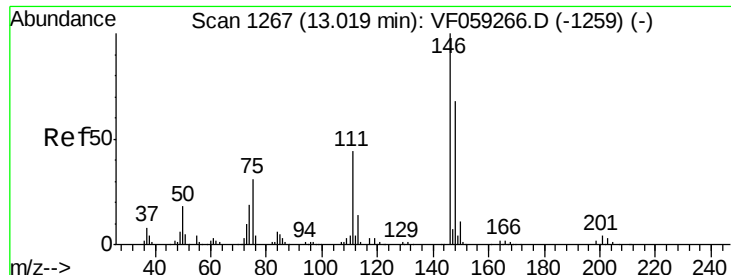
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#90  
Hexachloroethane  
Concen: 23.29 ug/l  
RT: 12.98 min Scan# 1263  
Delta R.T. -0.01 min  
Lab File: VF059281.D  
Acq: 22 Jun 2018 18:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 65.1  | 39.8  | 119.3 |





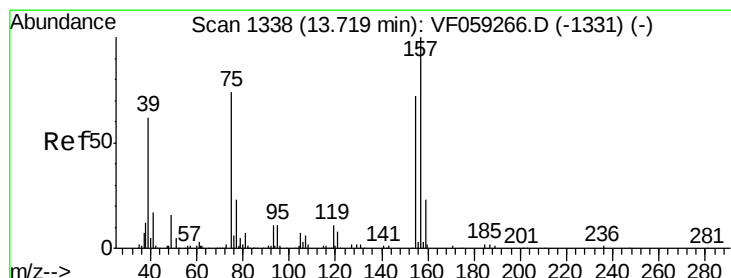
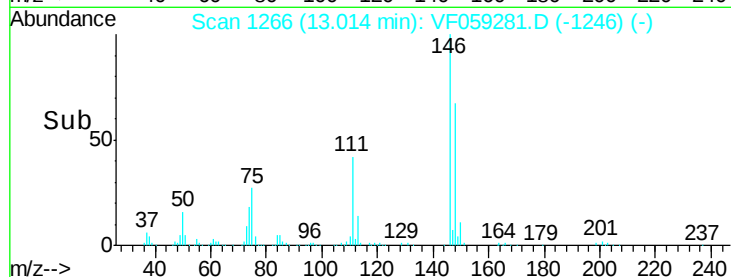
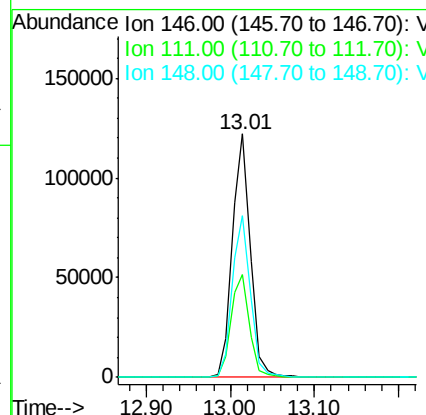
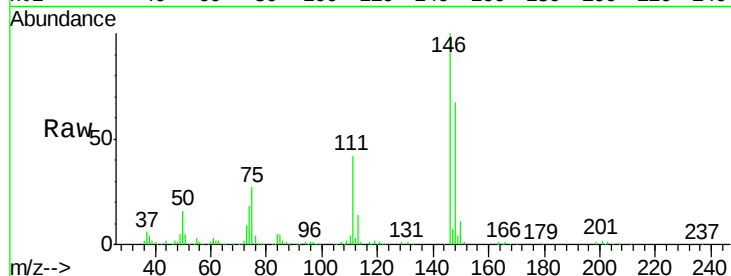
#91  
 1,2-Dichlorobenzene  
 Concen: 23.45 ug/l  
 RT: 13.01 min Scan# 1266  
 Delta R.T. -0.00 min  
 Lab File: VF059281.D  
 Acq: 22 Jun 2018 18:42

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0622SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.4  | 22.1  | 66.3  |
| 148     | 66.6  | 34.0  | 102.0 |

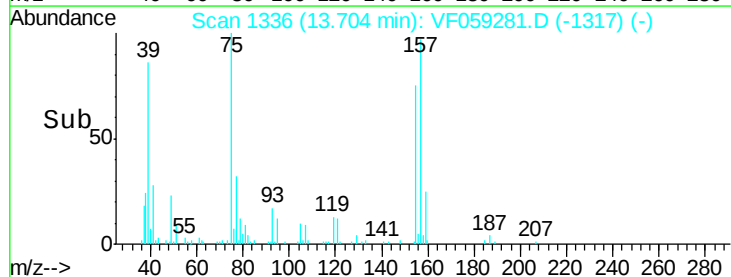
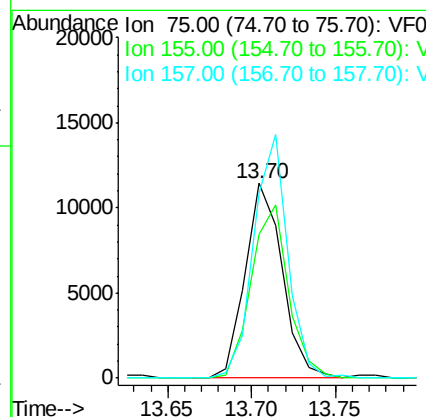
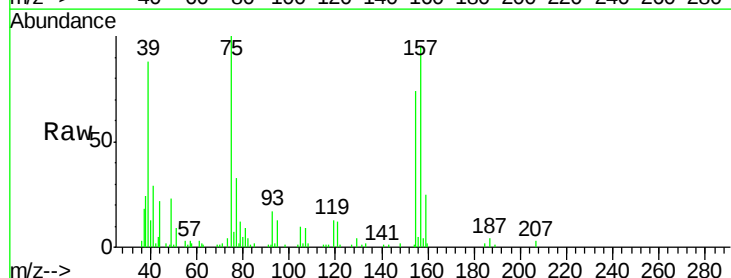
Manual Integrations  
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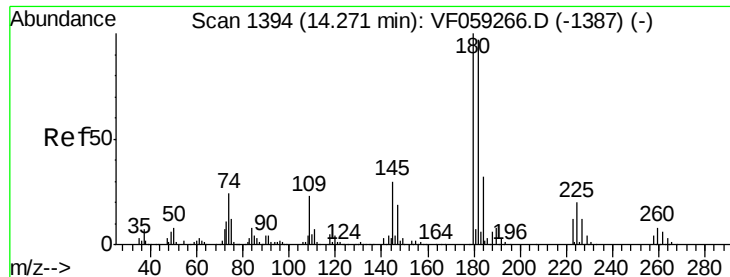
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 21.51 ug/l  
 RT: 13.70 min Scan# 1336  
 Delta R.T. -0.01 min  
 Lab File: VF059281.D  
 Acq: 22 Jun 2018 18:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 73.9  | 48.3  | 144.9 |
| 157     | 95.2  | 67.2  | 201.6 |





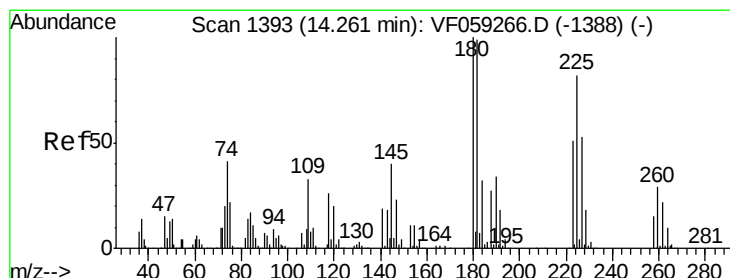
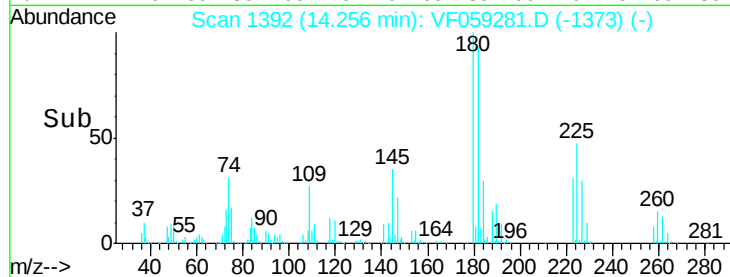
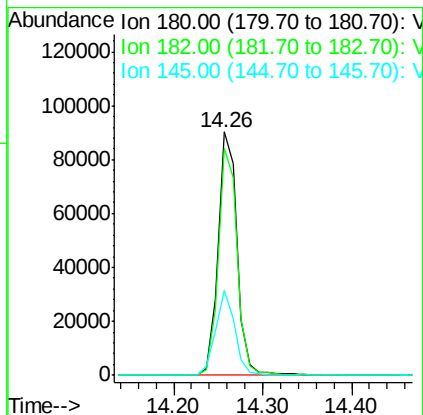
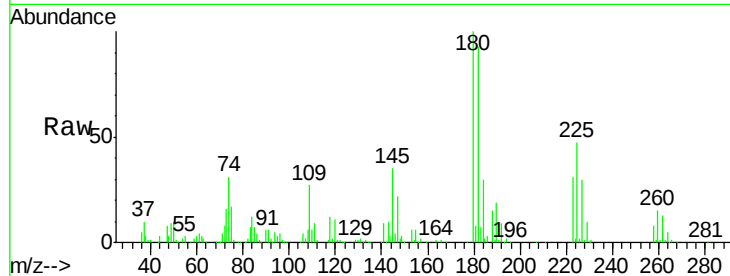
#93  
 1,2,4-Trichlorobenzene  
 Concen: 24.05 ug/l  
 RT: 14.26 min Scan# 1392  
 Delta R.T. -0.01 min  
 Lab File: VF059281.D  
 Acq: 22 Jun 2018 18:42

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0622SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 135615 |       |       |
| 182     | 93.3  | 48.6   | 145.9 |       |
| 145     | 35.1  | 15.0   | 45.1  |       |

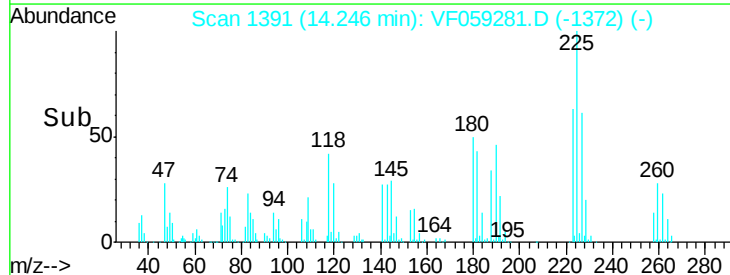
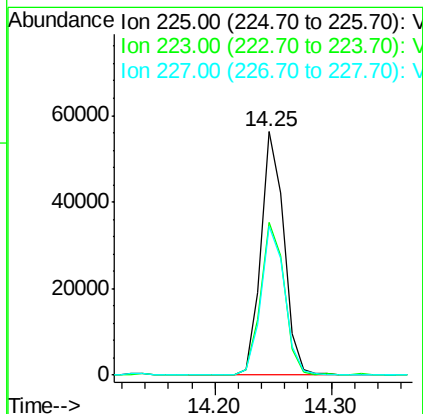
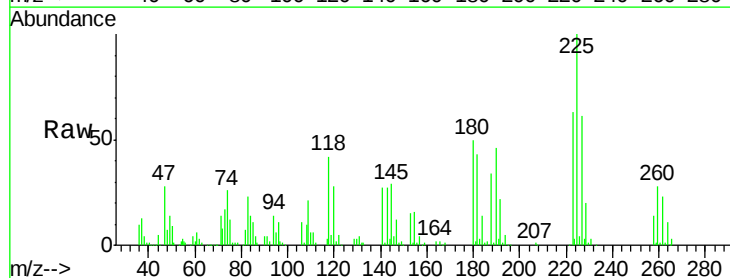
Manual Integrations  
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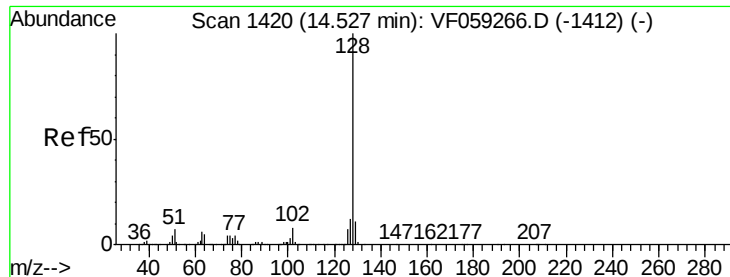
apatel  
 6/24/2018 11:34:44 AM



#94  
 Hexachlorobutadiene  
 Concen: 23.12 ug/l  
 RT: 14.25 min Scan# 1391  
 Delta R.T. -0.01 min  
 Lab File: VF059281.D  
 Acq: 22 Jun 2018 18:42

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 77260 |       |       |
| 223     | 62.6  | 30.7  | 92.1  |       |
| 227     | 61.2  | 32.0  | 96.2  |       |





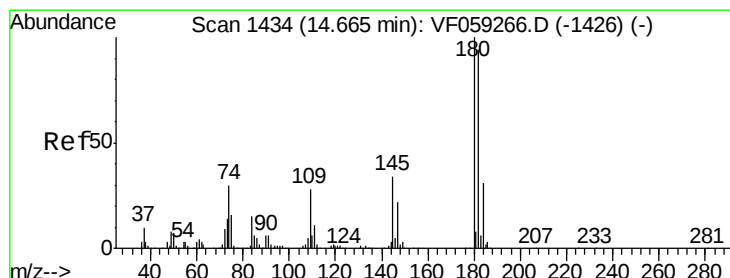
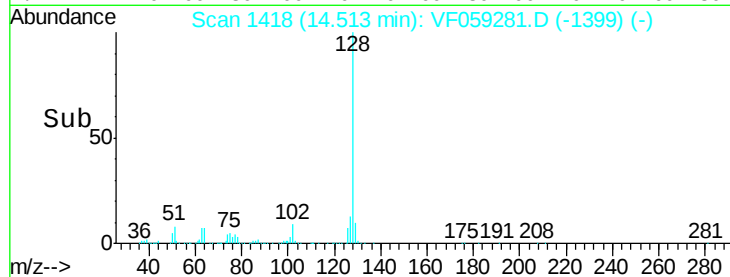
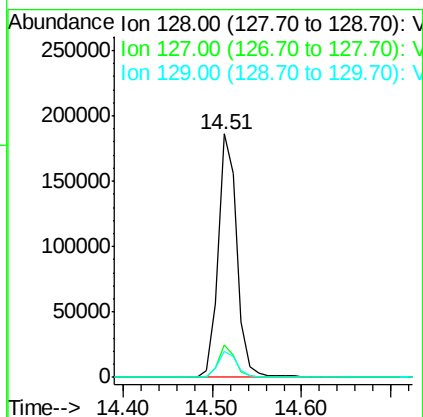
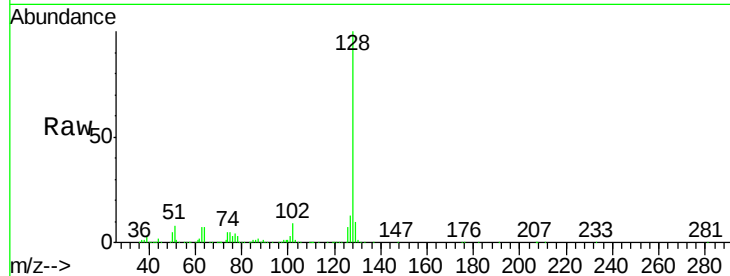
#95  
Naphthalene  
Concen: 23.75 ug/l  
RT: 14.51 min Scan# 1418  
Delta R.T. -0.01 min  
Lab File: VF059281.D  
Acq: 22 Jun 2018 18:42

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0622SBS01

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 128     | 100   |            |       |
| 127     | 13.3  | 9.6        | 14.4  |
| 129     | 10.5  | 9.0        | 13.4  |

Manual Integrations  
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#96  
1,2,3-Trichlorobenzene  
Concen: 23.29 ug/l  
RT: 14.66 min Scan# 1433  
Delta R.T. -0.00 min  
Lab File: VF059281.D  
Acq: 22 Jun 2018 18:42

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 180     | 100   |            |       |
| 182     | 93.6  | 46.9       | 140.7 |
| 145     | 34.0  | 17.0       | 50.9  |

