

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111318\  
 Data File : VF060713.D  
 Acq On : 13 Nov 2018 14:53  
 Operator : VA/AP  
 Sample : VSTDICV050  
 Misc : 5.00µ/5mL/MSVOA-F/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 ICVVF111318

Manual Integrations  
 APPROVED

MMDadoda  
 11/14/2018 12:55:33 PM

Quant Time: Nov 14 03:41:09 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F111318S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 14 03:11:14 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.87  | 168  | 246334   | 50.00 | ug/l  | -0.02    |
| 34) 1,4-Difluorobenzene    | 5.60  | 114  | 402901   | 50.00 | ug/l  | -0.02    |
| 63) Chlorobenzene-d5       | 9.78  | 117  | 373393   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.56 | 152  | 207755   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |       |
|---------------------------|--------|-----|----------|-------|---------|-------|
| 33) 1,2-Dichloroethane-d4 | 4.84   | 65  | 127691   | 45.45 | ug/l    | -0.02 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 90.90%  |       |
| 35) Dibromofluoromethane  | 4.11   | 113 | 145806   | 48.14 | ug/l    | -0.02 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.28%  |       |
| 50) Toluene-d8            | 7.57   | 98  | 433179   | 56.19 | ug/l    | 0.00  |
| Spiked Amount             | 50.000 |     | Recovery | =     | 112.38% |       |
| 62) 4-Bromofluorobenzene  | 11.42  | 95  | 190566   | 53.45 | ug/l    | 0.00  |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.90% |       |

## Target Compounds

|                               |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 0.96 | 85  | 194405  | 44.098  | ug/l   | 99     |
| 3) Chloromethane              | 1.09 | 50  | 127522  | 46.642  | ug/l   | 97     |
| 4) Vinyl Chloride             | 1.13 | 62  | 112753  | 46.101  | ug/l   | 99     |
| 5) Bromomethane               | 1.32 | 94  | 70971   | 45.682  | ug/l # | 79     |
| 6) Chloroethane               | 1.36 | 64  | 49517   | 51.747  | ug/l   | 97     |
| 7) Trichlorofluoromethane     | 1.48 | 101 | 246752  | 45.624  | ug/l   | 96     |
| 8) Diethyl Ether              | 1.63 | 74  | 32124   | 46.358  | ug/l   | 91     |
| 9) 1,1,2-Trichlorotrifluoroet | 1.81 | 101 | 121190  | 47.550  | ug/l   | 95     |
| 10) Methyl Iodide             | 1.88 | 142 | 188445  | 46.083  | ug/l   | 96     |
| 11) Tert butyl alcohol        | 2.56 | 59  | 31004   | 242.459 | ug/l   | 97     |
| 12) 1,1-Dichloroethene        | 1.77 | 96  | 98405   | 48.965  | ug/l   | 93     |
| 13) Acrolein                  | 2.00 | 56  | 25629   | 219.200 | ug/l   | 98     |
| 14) Allyl chloride            | 2.09 | 41  | 164557  | 46.740  | ug/l   | 91     |
| 15) Acrylonitrile             | 2.94 | 53  | 65808   | 241.515 | ug/l   | 98     |
| 16) Acetone                   | 2.23 | 43  | 145440  | 242.174 | ug/l   | 100    |
| 17) Carbon Disulfide          | 1.81 | 76  | 292539  | 48.162  | ug/l   | 95     |
| 18) Methyl Acetate            | 2.34 | 43  | 45134   | 45.768  | ug/l   | 97     |
| 19) Methyl tert-butyl Ether   | 2.43 | 73  | 233615  | 48.455  | ug/l   | 99     |
| 20) Methylene Chloride        | 2.18 | 84  | 95430m  | 47.679  | ug/l   |        |
| 21) trans-1,2-Dichloroethene  | 2.31 | 96  | 94784   | 45.142  | ug/l   | 92     |
| 22) Diisopropyl ether         | 2.80 | 45  | 329681  | 48.502  | ug/l   | 98     |
| 23) Vinyl Acetate             | 3.19 | 43  | 831535  | 259.789 | ug/l   | 100    |
| 24) 1,1-Dichloroethane        | 2.87 | 63  | 203334  | 49.411  | ug/l   | 99     |
| 25) 2-Butanone                | 4.33 | 43  | 246352  | 249.390 | ug/l   | 100    |
| 26) 2,2-Dichloropropane       | 3.60 | 77  | 147882  | 45.666  | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene    | 3.47 | 96  | 169993  | 47.593  | ug/l   | 100    |
| 28) Bromochloromethane        | 3.72 | 49  | 105996  | 49.562  | ug/l   | 92     |
| 29) Tetrahydrofuran           | 4.07 | 42  | 96059   | 235.751 | ug/l   | 95     |
| 30) Chloroform                | 3.86 | 83  | 295895  | 44.815  | ug/l   | 100    |
| 31) Cyclohexane               | 3.69 | 56  | 247176  | 49.489  | ug/l   | 93     |
| 32) 1,1,1-Trichloroethane     | 4.09 | 97  | 228282  | 43.905  | ug/l   | 97     |
| 36) 1,1-Dichloropropene       | 4.28 | 75  | 233007  | 49.866  | ug/l   | 98     |
| 37) Ethyl Acetate             | 4.11 | 43  | 84647   | 48.726  | ug/l # | 80     |
| 38) Carbon Tetrachloride      | 3.99 | 117 | 214067m | 47.214  | ug/l   |        |

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 Misc : 5.00µ/5mL/MSVOA-F/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 ICVVF111318

Manual Integrations  
 APPROVED

MMDadoda  
 11/14/2018 12:55:33 PM

Quant Time: Nov 14 03:41:09 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F111318S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 14 03:11:14 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 5.45  | 83   | 262642   | 48.449   | ug/l   | 99       |
| 40) Benzene                    | 4.64  | 78   | 518945   | 49.822   | ug/l   | 100      |
| 41) Methacrylonitrile          | 4.74  | 41   | 50945    | 55.478   | ug/l # | 90       |
| 42) 1,2-Dichloroethane         | 4.94  | 62   | 168715   | 46.872   | ug/l   | 100      |
| 43) Isopropyl Acetate          | 6.96  | 43   | 122527   | 53.196   | ug/l   | 94       |
| 44) Trichloroethene            | 5.51  | 130  | 159130   | 48.422   | ug/l   | 88       |
| 45) 1,2-Dichloropropane        | 6.24  | 63   | 137206   | 50.621   | ug/l   | 96       |
| 46) Dibromomethane             | 6.10  | 93   | 88626    | 49.534   | ug/l   | 93       |
| 47) Bromodichloromethane       | 6.39  | 83   | 223523   | 48.923   | ug/l   | 99       |
| 48) Methyl methacrylate        | 6.72  | 41   | 78953    | 51.794   | ug/l   | 100      |
| 49) 1,4-Dioxane                | 6.72  | 88   | 15020    | 1053.550 | ug/l # | 78       |
| 51) 4-Methyl-2-Pentanone       | 8.27  | 43   | 418692   | 251.335  | ug/l   | 97       |
| 52) Toluene                    | 7.63  | 92   | 334032   | 47.855   | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 8.29  | 75   | 176606   | 48.260   | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene    | 7.31  | 75   | 232200   | 48.849   | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 8.50  | 97   | 95812    | 48.042   | ug/l   | 95       |
| 56) Ethyl methacrylate         | 8.63  | 69   | 116449   | 51.413   | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 8.86  | 76   | 171641   | 49.660   | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether  | 7.63  | 63   | 48908    | 236.382  | ug/l   | 100      |
| 59) 2-Hexanone                 | 9.50  | 43   | 326793   | 279.138  | ug/l   | 99       |
| 60) Dibromochloromethane       | 8.72  | 129  | 136718   | 48.101   | ug/l   | 97       |
| 61) 1,2-Dibromoethane          | 9.00  | 107  | 105496   | 50.298   | ug/l   | 98       |
| 64) Tetrachloroethene          | 8.16  | 164  | 138694   | 46.906   | ug/l   | 98       |
| 65) Chlorobenzene              | 9.80  | 112  | 358081   | 47.524   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 9.94  | 131  | 149913   | 45.616   | ug/l   | 98       |
| 67) Ethyl Benzene              | 9.91  | 91   | 653723   | 46.028   | ug/l   | 99       |
| 68) m/p-Xylenes                | 10.14 | 106  | 477967   | 94.169   | ug/l   | 100      |
| 69) o-Xylene                   | 10.72 | 106  | 276448   | 48.445   | ug/l   | 94       |
| 70) Styrene                    | 10.80 | 104  | 368689   | 47.607   | ug/l   | 100      |
| 71) Bromoform                  | 10.78 | 173  | 71204    | 48.181   | ug/l   | 99       |
| 73) Isopropylbenzene           | 11.14 | 105  | 777472   | 46.492   | ug/l   | 100      |
| 74) N-amyl acetate             | 11.38 | 43   | 207043   | 54.386   | ug/l # | 90       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.71 | 83   | 133505   | 48.288   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 11.81 | 75   | 91667    | 44.643   | ug/l   | 96       |
| 77) Bromobenzene               | 11.50 | 156  | 166890   | 47.944   | ug/l   | 93       |
| 78) n-propylbenzene            | 11.60 | 91   | 870723   | 44.644   | ug/l   | 98       |
| 79) 2-Chlorotoluene            | 11.73 | 91   | 516000   | 45.520   | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene     | 11.84 | 105  | 609842   | 45.934   | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-buten | 11.88 | 75   | 44730m   | 44.341   | ug/l   |          |
| 82) 4-Chlorotoluene            | 11.91 | 91   | 525608   | 45.261   | ug/l   | 100      |
| 83) tert-Butylbenzene          | 12.14 | 119  | 632794   | 44.890   | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene     | 12.21 | 105  | 600858   | 43.760   | ug/l   | 95       |
| 85) sec-Butylbenzene           | 12.31 | 105  | 859244   | 44.934   | ug/l   | 97       |
| 86) p-Isopropyltoluene         | 12.47 | 119  | 702138   | 43.964   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 12.49 | 146  | 308823   | 44.581   | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 12.58 | 146  | 309693   | 46.516   | ug/l   | 96       |
| 89) n-Butylbenzene             | 12.85 | 91   | 712694   | 43.728   | ug/l   | 96       |
| 90) Hexachloroethane           | 12.92 | 117  | 180061   | 46.095   | ug/l   | 92       |
| 91) 1,2-Dichlorobenzene        | 12.95 | 146  | 289947   | 44.454   | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.65 | 75   | 23503    | 45.229   | ug/l   | 81       |

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Data File : VF060713.D  
Acq On : 13 Nov 2018 14:53  
Operator : VA/AP  
Sample : VSTDICV050  
Misc : 5.00g/5mL/MSVOA-F/SOIL  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_F  
ClientSampleId :  
ICVVF111318

Manual Integrations  
APPROVED

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11/14/2018 12:55:33 PM

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F111318S.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 14 03:11:14 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.21 | 180  | 206213   | 43.987 | ug/l  | 95       |
| 94) Hexachlorobutadiene    | 14.19 | 225  | 137431   | 44.861 | ug/l  | 98       |
| 95) Naphthalene            | 14.46 | 128  | 421996   | 49.332 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.61 | 180  | 196564   | 45.375 | ug/l  | 97       |

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

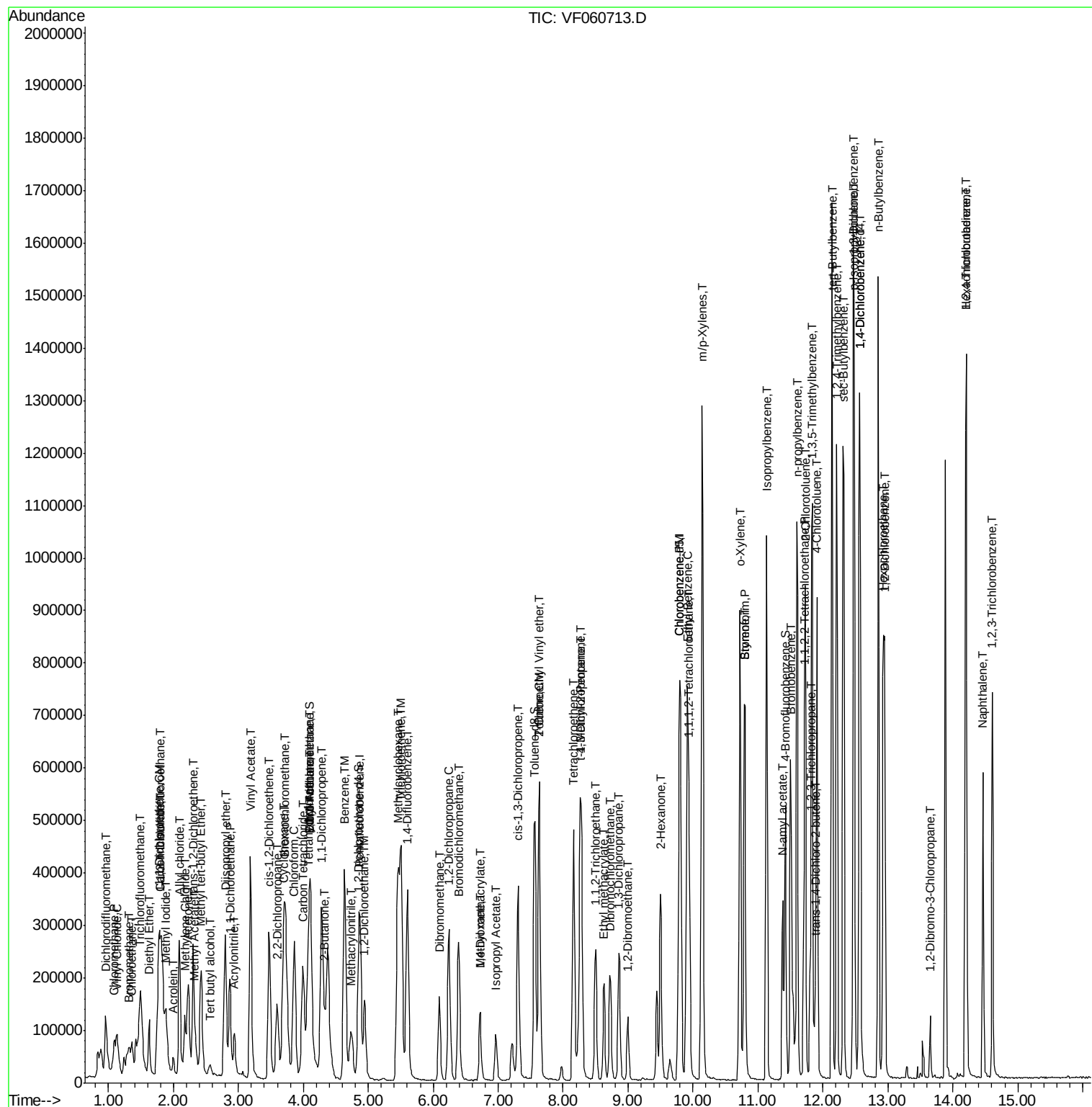
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Data File : VF060713.D  
Acq On : 13 Nov 2018 14:53  
Operator : VA/AP  
Sample : VSTDICV050  
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ALS Vial : 9 Sample Multiplier: 1

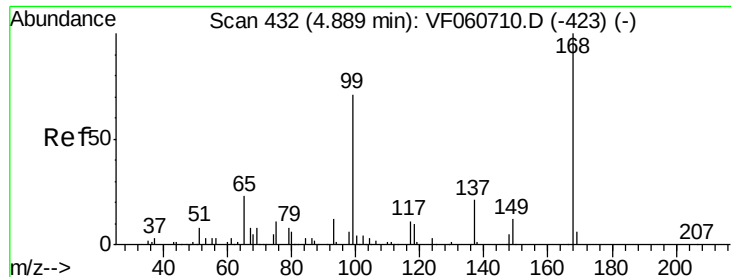
Instrument :  
MSVOA\_F  
ClientSampleId :  
ICVVF111318

Manual Integrations  
APPROVED

MMDadoda  
11/14/2018 12:55:33 PM

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Quant Title : SW846 8260  
QLast Update : Wed Nov 14 03:11:14 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.02 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA\_F

ClientSampleId :

ICVVF111318

Tot Ion:168 Resp: 246334

Ion Ratio Lower Upper

168 100

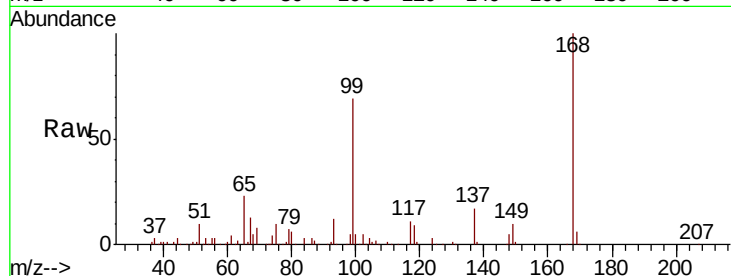
99 68.6 57.2 85.8

Manual Integrations

APPROVED

MMDadoda

11/14/2018 12:55:33 PM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

80000

60000

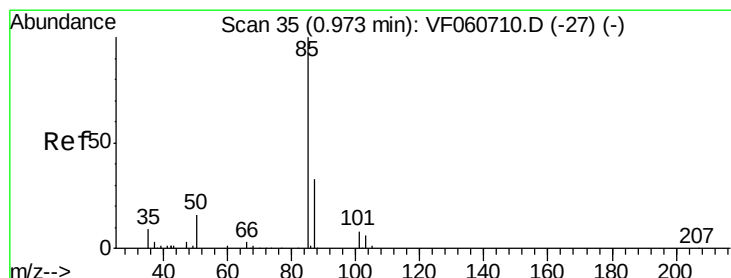
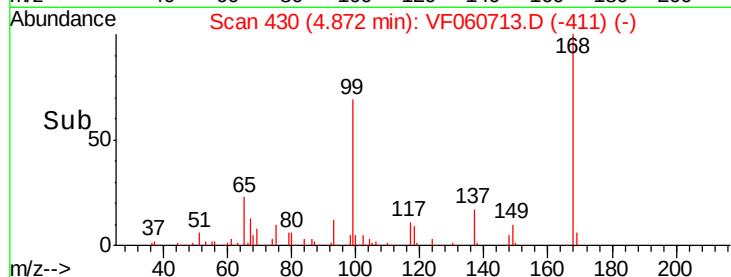
40000

20000

0

4.70 4.80 4.90 5.00

Time-->



#2

Dichlorodifluoromethane

Concen: 44.098 ug/l

RT: 0.96 min Scan# 33

Delta R.T. -0.02 min

Lab File: VF060713.D

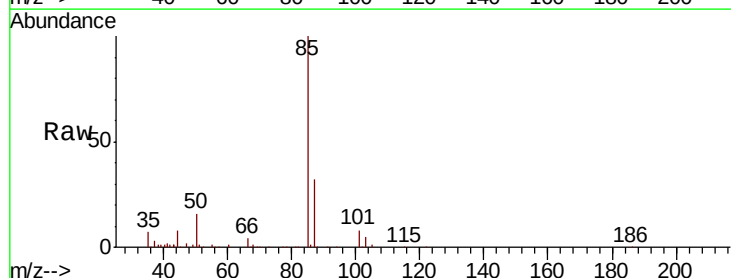
Acq: 13 Nov 2018 14:53

Tgt Ion: 85 Resp: 194405

Ion Ratio Lower Upper

85 100

87 32.0 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

60000

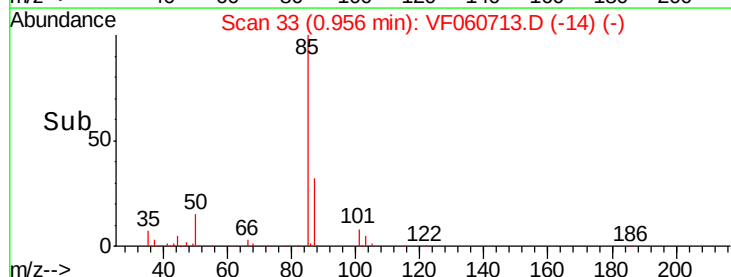
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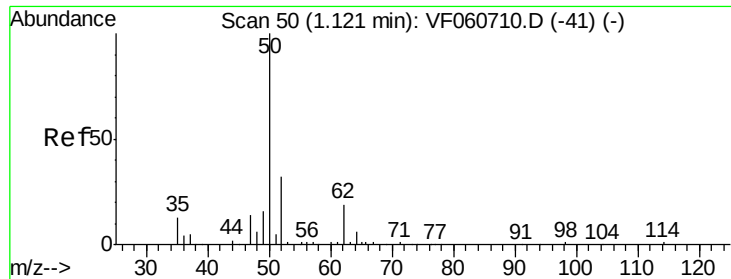
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0

0.80 0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 46.642 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.03 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA\_F

ClientSampleId :

ICVVF111318

Tot Ion: 50 Resp: 127522

Ion Ratio Lower Upper

50 100

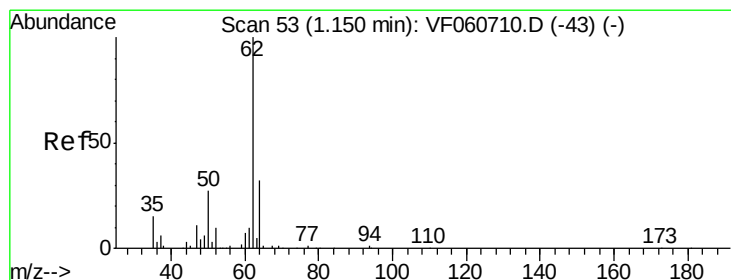
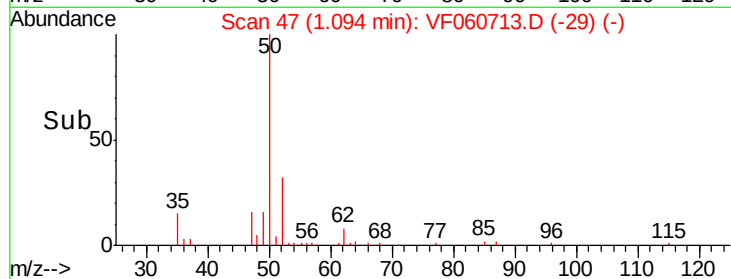
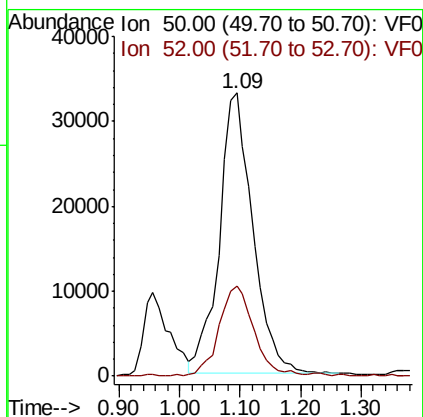
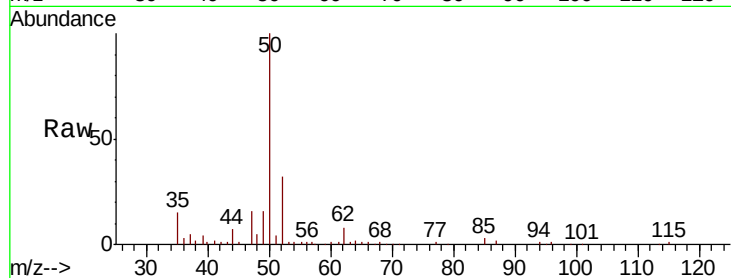
52 32.0 24.2 36.2

Manual Integrations

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11/14/2018 12:55:33 PM



#4

Vinyl Chloride

Concen: 46.101 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.02 min

Lab File: VF060713.D

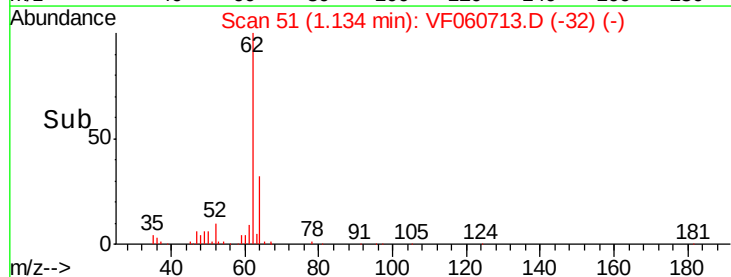
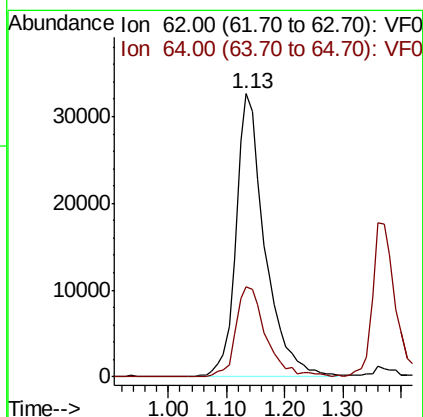
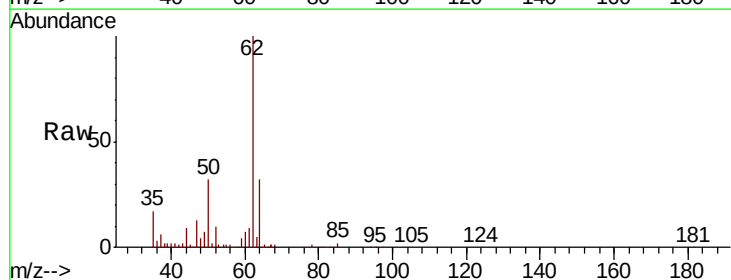
Acq: 13 Nov 2018 14:53

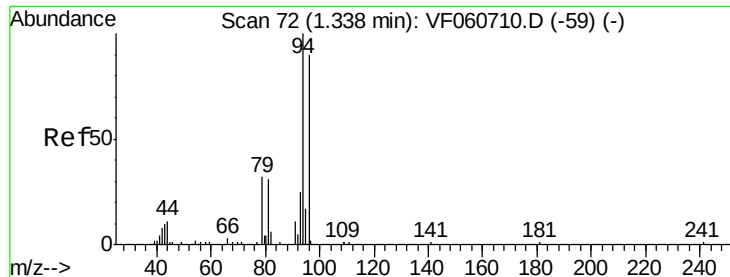
Tgt Ion: 62 Resp: 112753

Ion Ratio Lower Upper

62 100

64 32.0 25.8 38.8





#5

Bromomethane

Concen: 45.682 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.02 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA\_F

ClientSampleId :

ICVVF111318

Tot Ion: 94 Resp: 70971

Ion Ratio Lower Upper

94 100

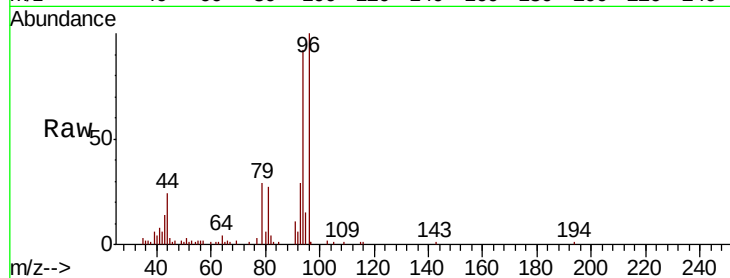
96 109.8 71.9 107.9#

Manual Integrations

APPROVED

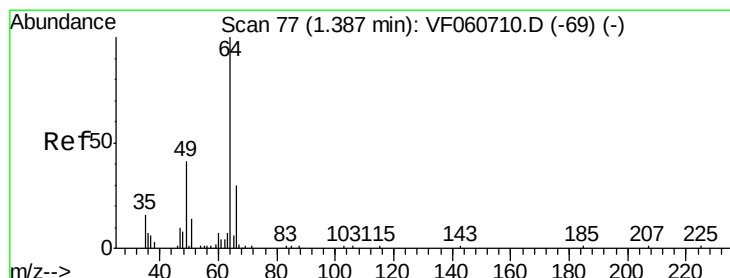
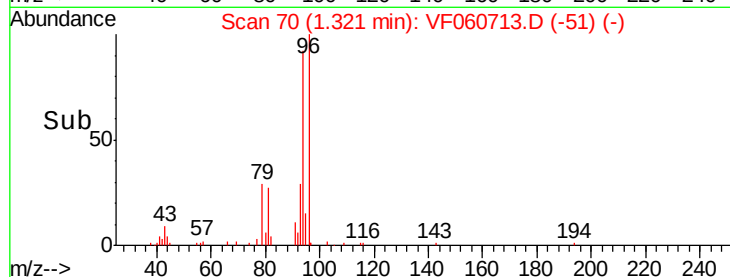
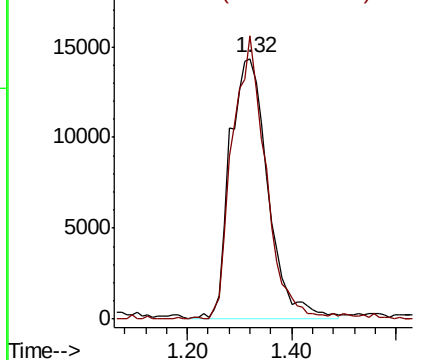
MMDadoda

11/14/2018 12:55:33 PM



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 51.747 ug/l

RT: 1.36 min Scan# 74

Delta R.T. -0.03 min

Lab File: VF060713.D

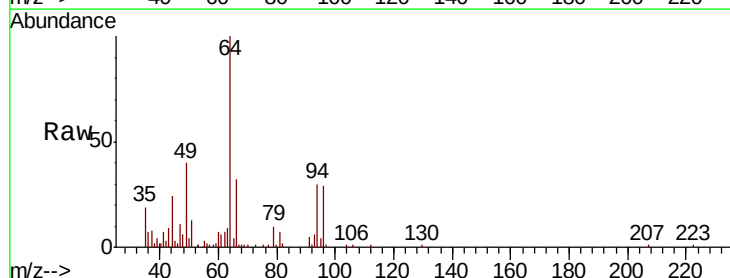
Acq: 13 Nov 2018 14:53

Tgt Ion: 64 Resp: 49517

Ion Ratio Lower Upper

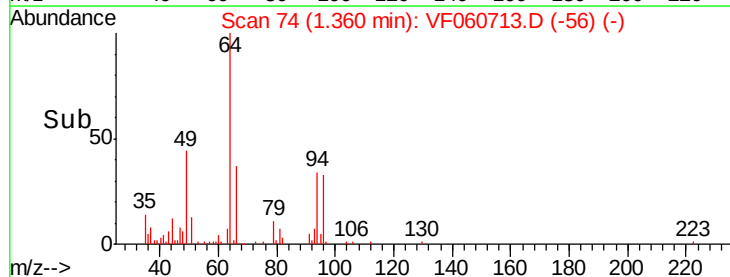
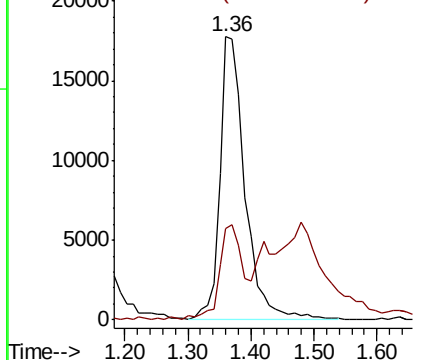
64 100

66 32.5 24.8 37.2

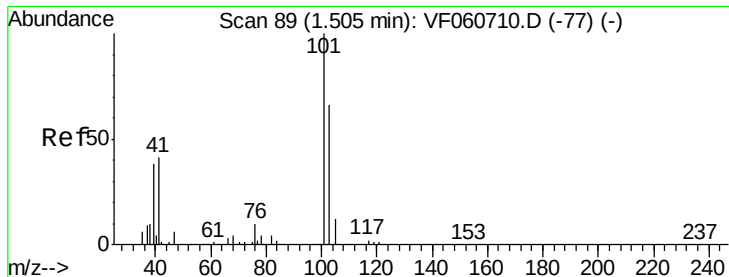


Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0







#7

Trichlorofluoromethane

Concen: 45.624 ug/l

RT: 1.48 min Scan# 86

Delta R.T. -0.03 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA\_F

ClientSampleId :

ICVVF111318

Tot Ion:101 Resp: 246752

Ion Ratio Lower Upper

101 100

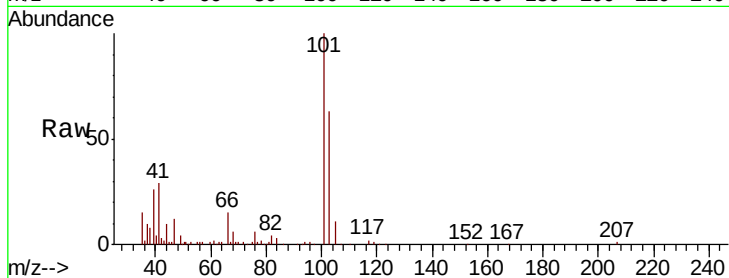
103 63.5 53.1 79.7

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1.48

40000

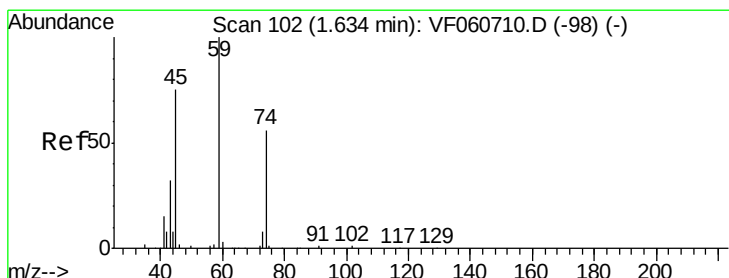
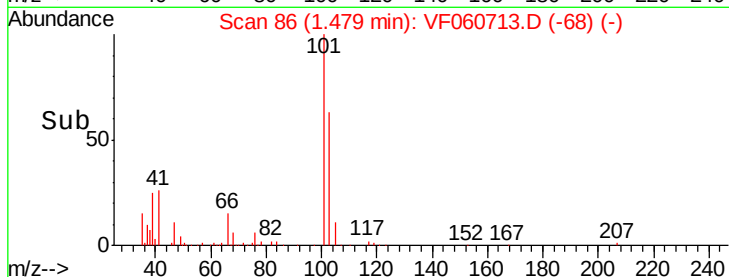
30000

20000

10000

0

Time-->



#8

Diethyl Ether

Concen: 46.358 ug/l

RT: 1.63 min Scan# 101

Delta R.T. -0.01 min

Lab File: VF060713.D

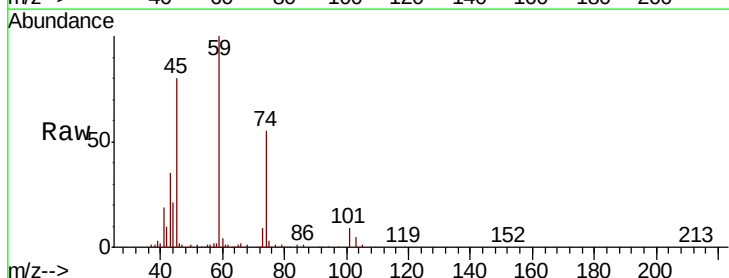
Acq: 13 Nov 2018 14:53

Tgt Ion: 74 Resp: 32124

Ion Ratio Lower Upper

74 100

45 146.1 67.7 203.1



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

30000

25000

20000

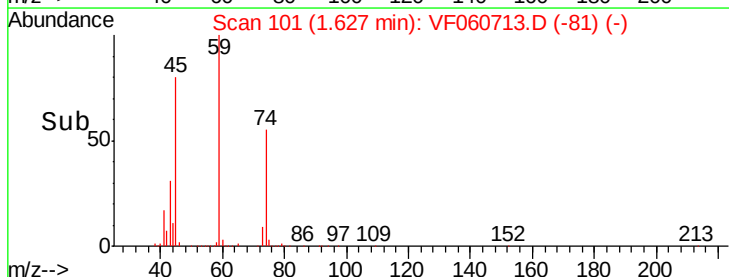
15000

10000

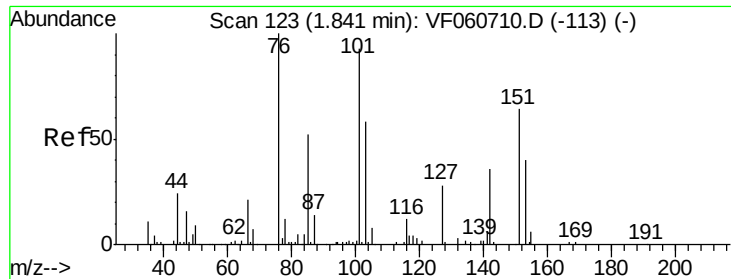
5000

0

Time-->







#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.550 ug/l

RT: 1.81 min Scan# 120

Delta R.T. -0.03 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA\_F

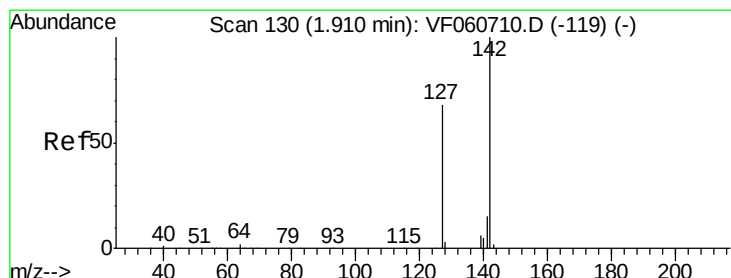
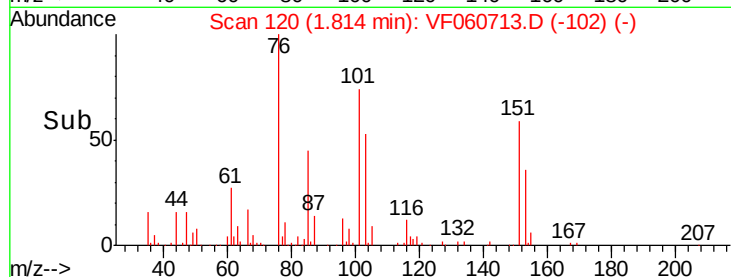
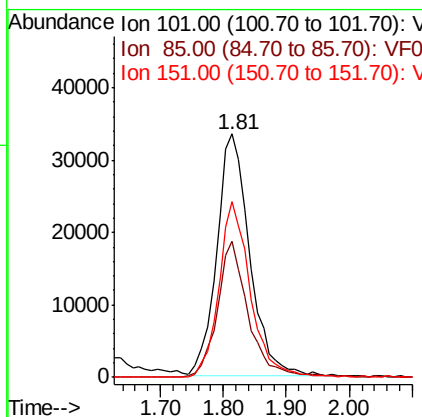
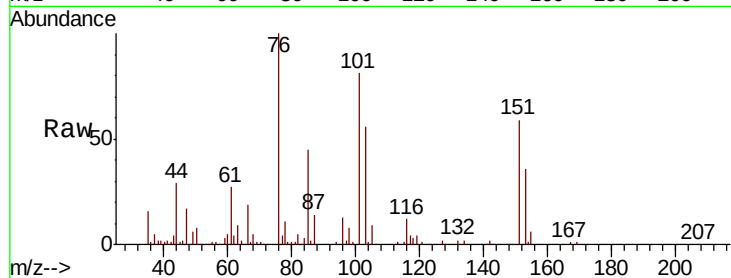
ClientSampleId :

ICVVF111318

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 121190 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 55.7  | 43.6  | 65.4   |
| 151       | 72.4  | 53.1  | 79.7   |

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11/14/2018 12:55:33 PM



#10

Methyl Iodide

Concen: 46.083 ug/l

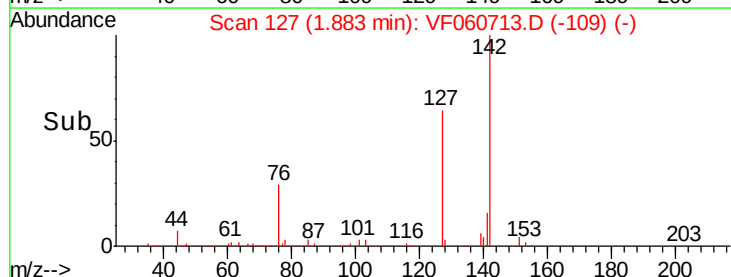
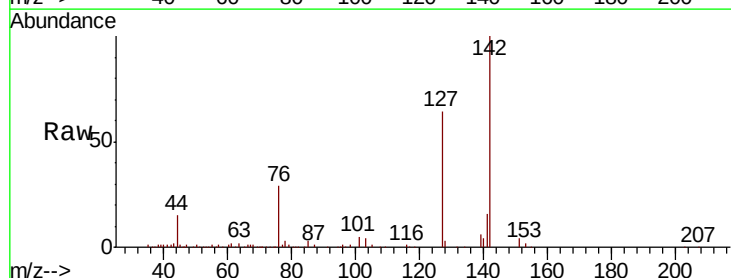
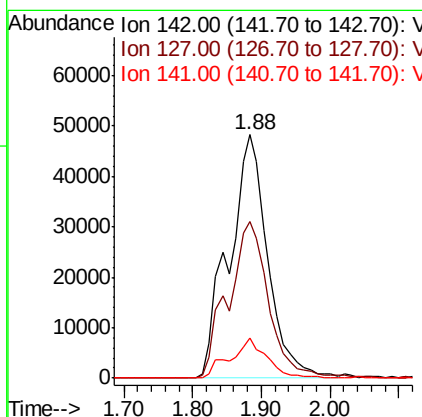
RT: 1.88 min Scan# 127

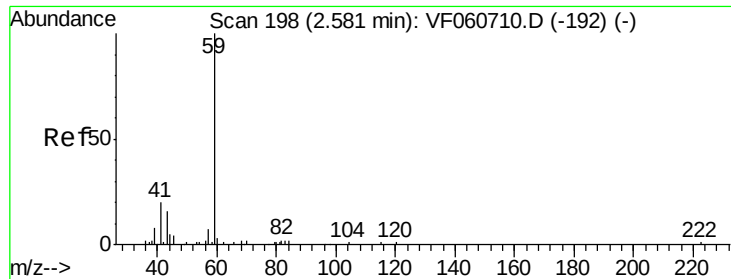
Delta R.T. -0.03 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 188445 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 64.1  | 54.0  | 81.0   |
| 141       | 16.3  | 12.3  | 18.5   |





#11

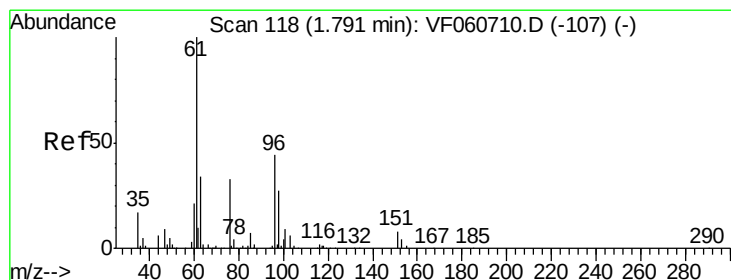
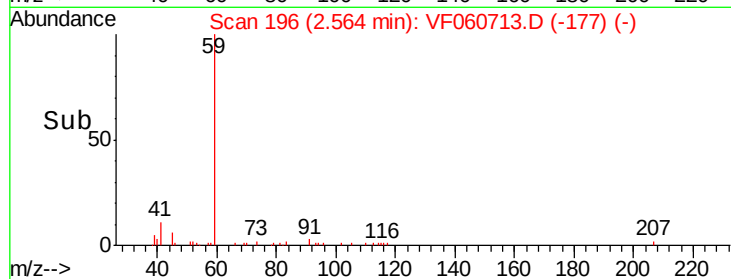
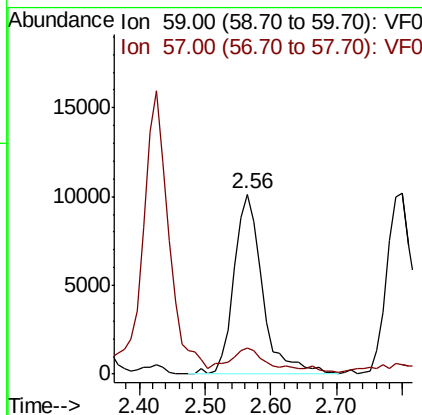
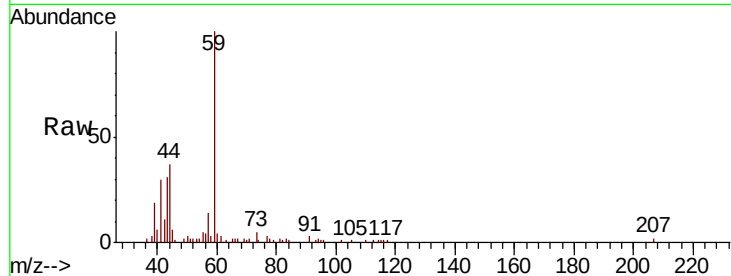
Tert butyl alcohol  
Concen: 242.459 ug/l  
RT: 2.56 min Scan# 196  
Delta R.T. -0.02 min  
Lab File: VF060713.D  
Acq: 13 Nov 2018 14:53

Instrument :  
MSVOA\_F  
ClientSampleId :  
ICVVF111318

Tot Ion: 59 Resp: 31004  
Ion Ratio Lower Upper  
59 100  
57 14.3 10.5 15.7

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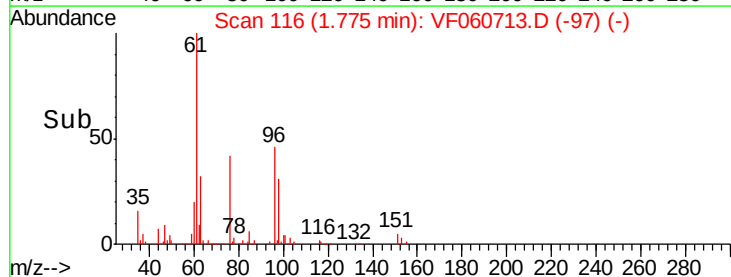
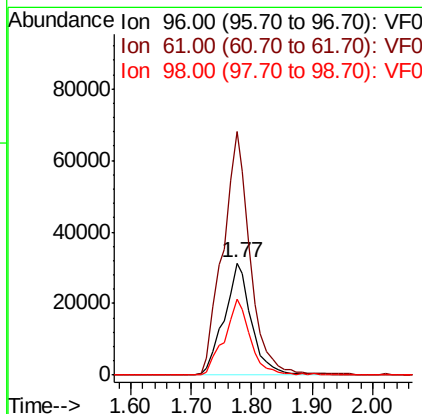
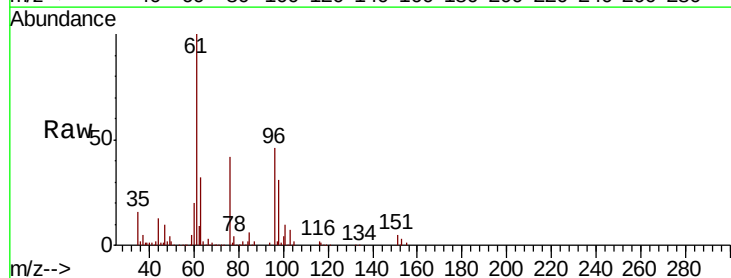
MMDadoda  
11/14/2018 12:55:33 PM

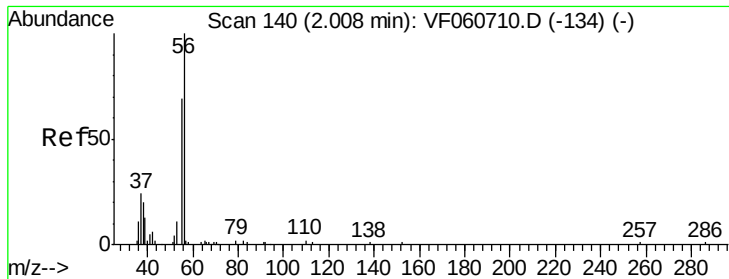


#12

1,1-Dichloroethene  
Concen: 48.965 ug/l  
RT: 1.77 min Scan# 116  
Delta R.T. -0.02 min  
Lab File: VF060713.D  
Acq: 13 Nov 2018 14:53

Tgt Ion: 96 Resp: 98405  
Ion Ratio Lower Upper  
96 100  
61 217.3 182.2 273.2  
98 67.5 49.2 73.8





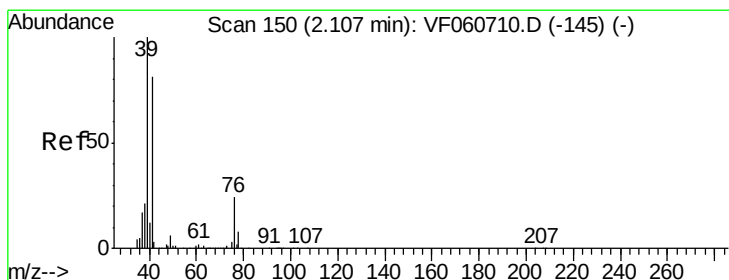
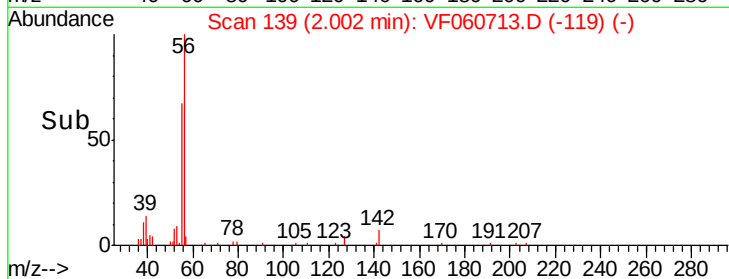
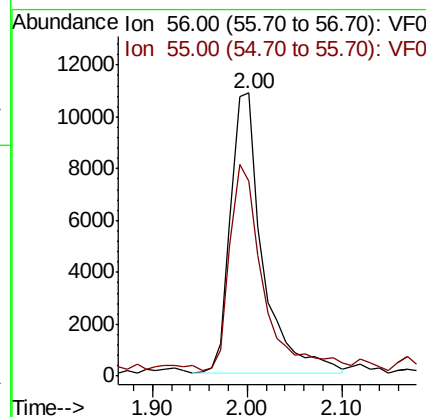
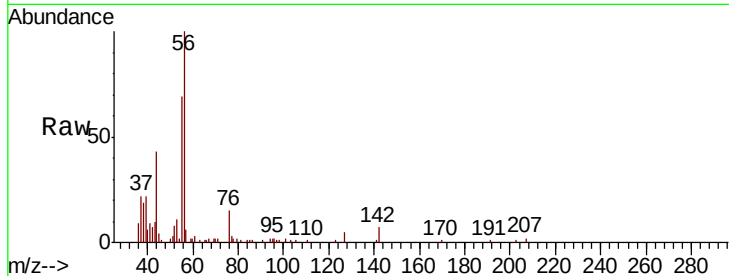
#13  
Acrolein  
Concen: 219.200 ug/l  
RT: 2.00 min Scan# 139  
Delta R.T. -0.01 min  
Lab File: VF060713.D  
Acq: 13 Nov 2018 14:53

Instrument :  
MSVOA\_F  
ClientSampleId :  
ICVVF111318

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 55      | 68.8  | 56.6  | 85.0  |

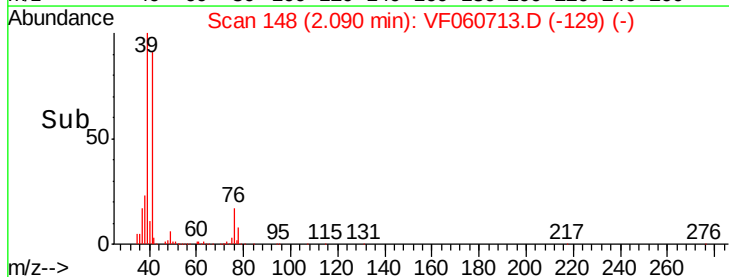
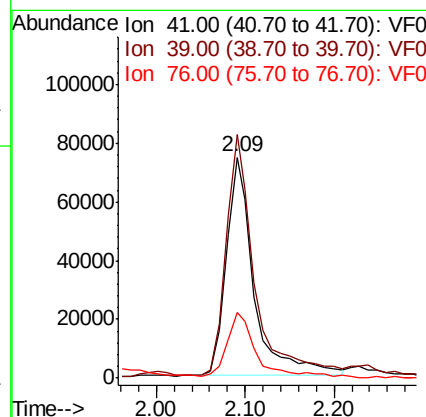
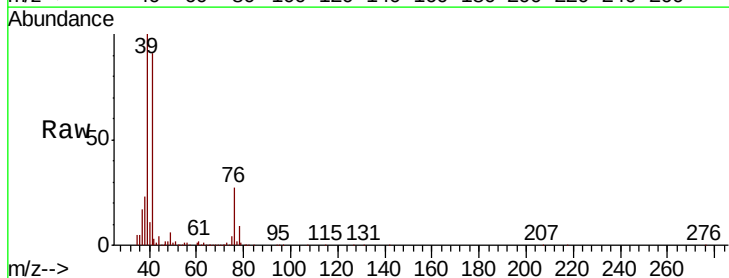
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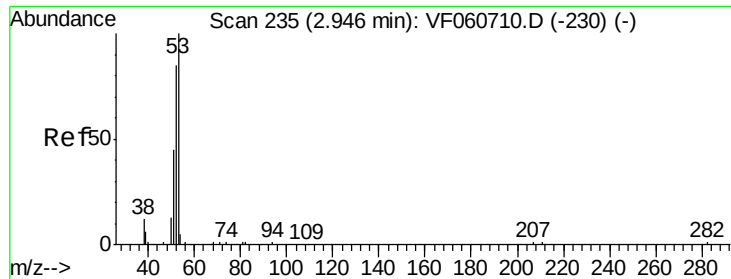
MMDadoda  
11/14/2018 12:55:33 PM



#14  
Allyl chloride  
Concen: 46.740 ug/l  
RT: 2.09 min Scan# 148  
Delta R.T. -0.02 min  
Lab File: VF060713.D  
Acq: 13 Nov 2018 14:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 110.2 | 98.5  | 147.7 |
| 76      | 29.9  | 24.5  | 36.7  |





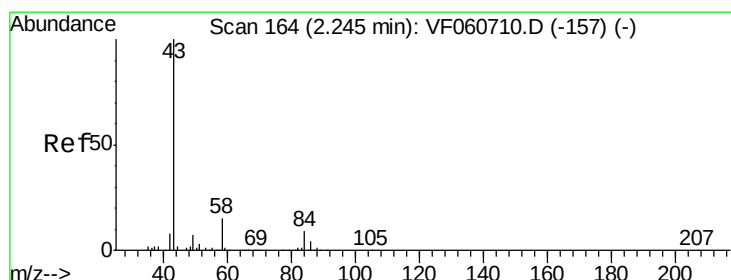
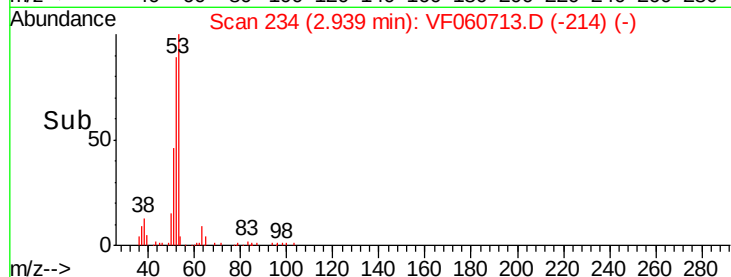
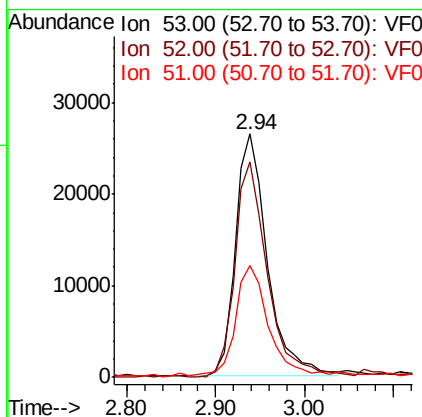
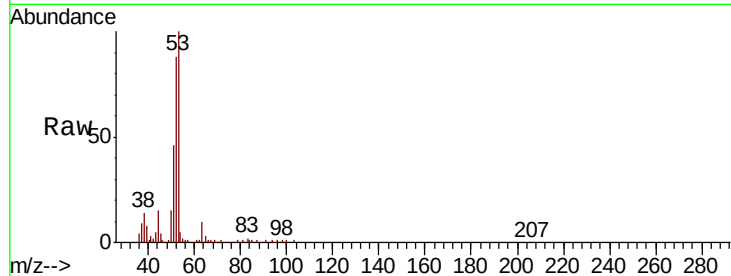
#15  
 Acrylonitrile  
 Concen: 241.515 ug/l  
 RT: 2.94 min Scan# 234  
 Delta R.T. -0.01 min  
 Lab File: VF060713.D  
 Acq: 13 Nov 2018 14:53

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 ICVVF111318

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 65808 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 88.2  | 68.8  | 103.2 |
| 51       | 45.7  | 36.7  | 55.1  |

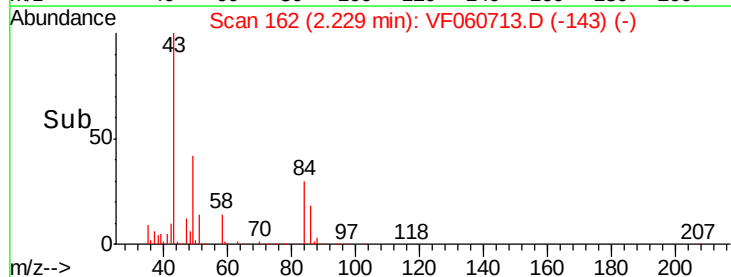
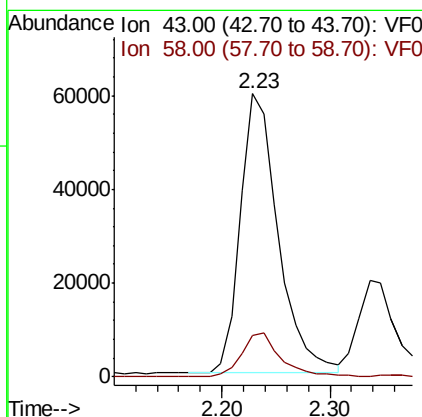
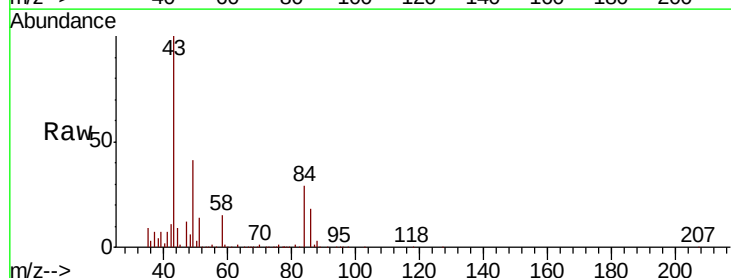
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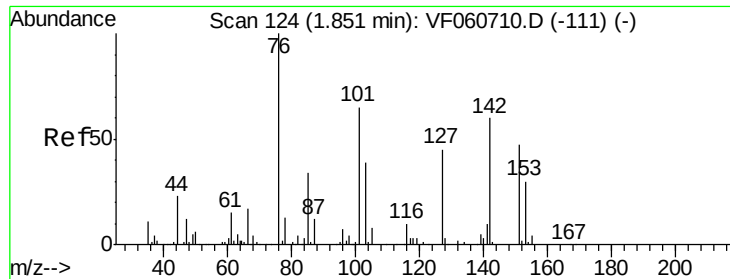
MMDadoda  
 11/14/2018 12:55:33 PM



#16  
 Acetone  
 Concen: 242.174 ug/l  
 RT: 2.23 min Scan# 162  
 Delta R.T. -0.02 min  
 Lab File: VF060713.D  
 Acq: 13 Nov 2018 14:53

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 145440 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 14.6  | 11.6  | 17.4   |





#17

Carbon Disulfide

Concen: 48.162 ug/l

RT: 1.81 min Scan# 120

Delta R.T. -0.04 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA\_F

ClientSampleId :

ICVVF111318

Tot Ion: 76 Resp: 292539

Ion Ratio Lower Upper

76 100

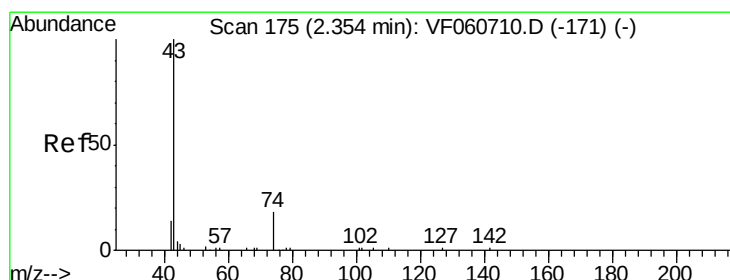
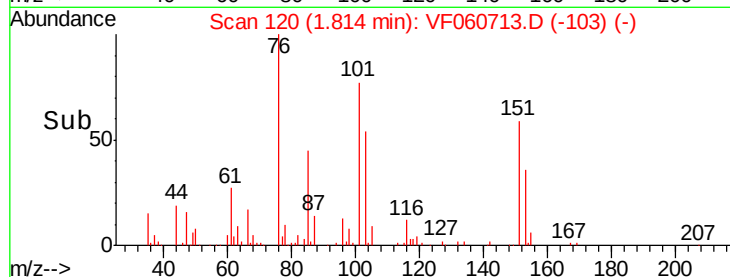
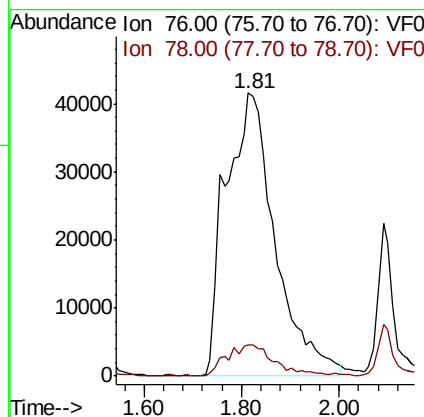
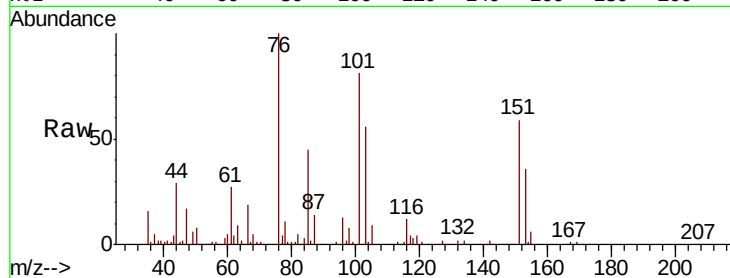
78 11.2 10.5 15.7

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#18

Methyl Acetate

Concen: 45.768 ug/l

RT: 2.34 min Scan# 173

Delta R.T. -0.02 min

Lab File: VF060713.D

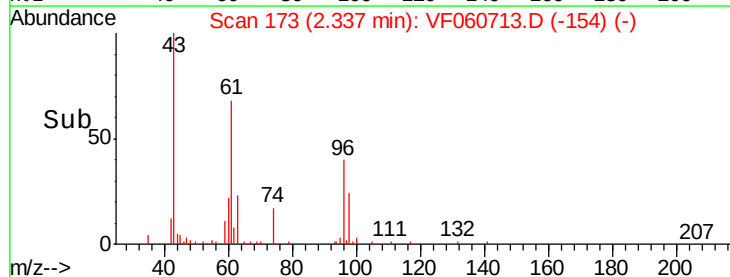
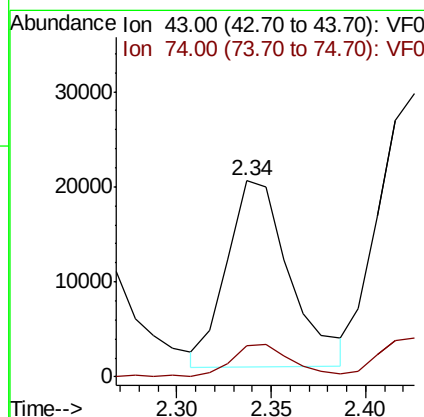
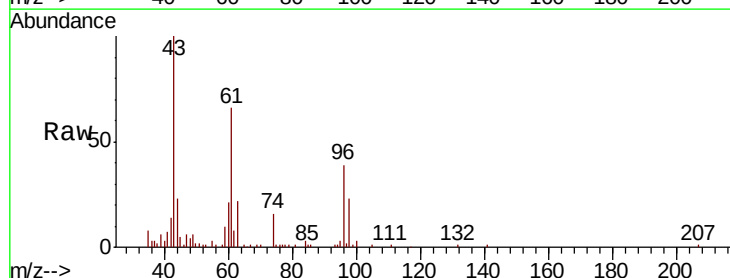
Acq: 13 Nov 2018 14:53

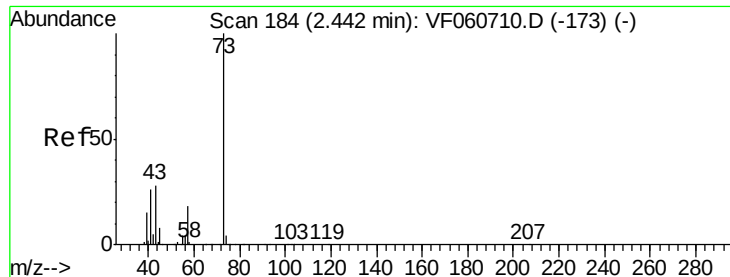
Tgt Ion: 43 Resp: 45134

Ion Ratio Lower Upper

43 100

74 16.0 11.8 17.8





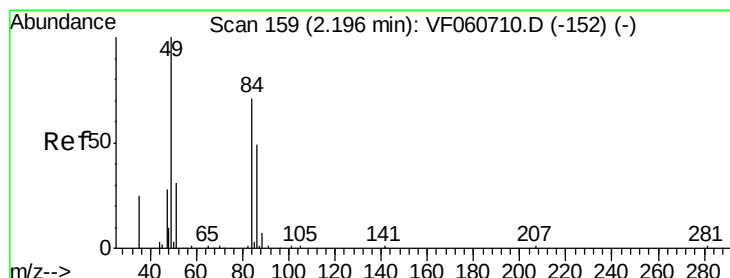
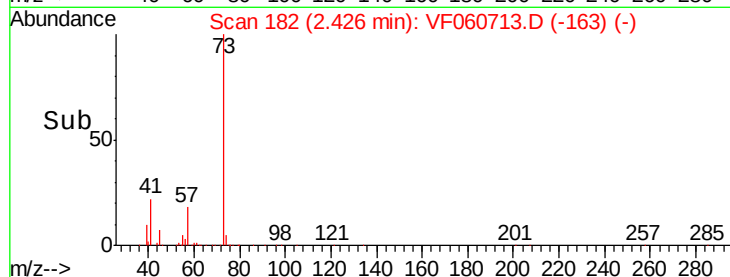
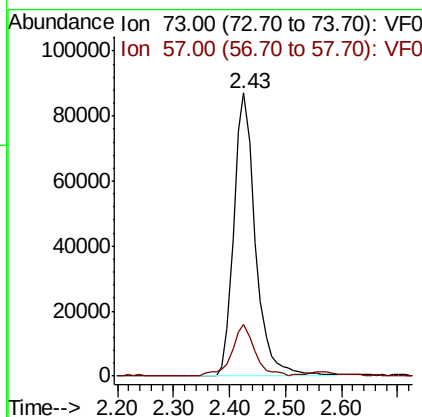
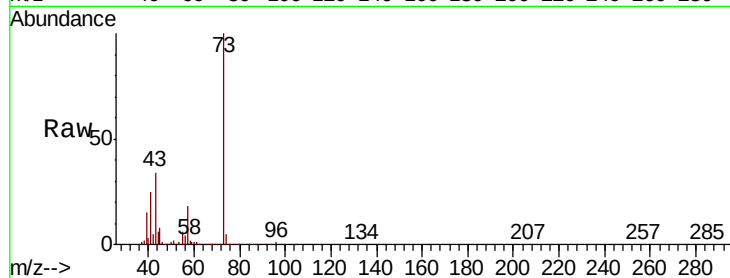
#19  
Methyl tert-butyl Ether  
Concen: 48.455 ug/l  
RT: 2.43 min Scan# 182  
Delta R.T. -0.02 min  
Lab File: VF060713.D  
Acq: 13 Nov 2018 14:53

Instrument :  
MSVOA\_F  
ClientSampleId :  
ICVVF111318

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 18.3  | 14.3  | 21.5  |

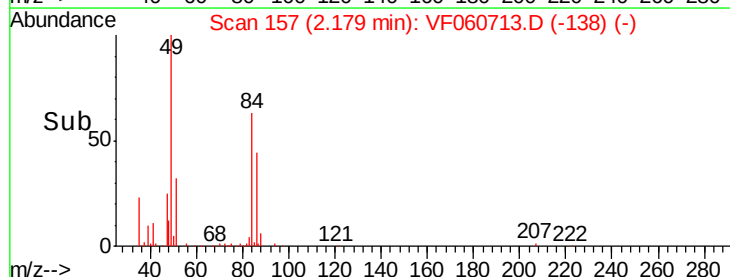
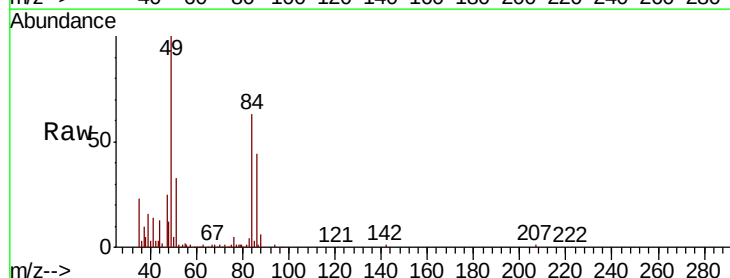
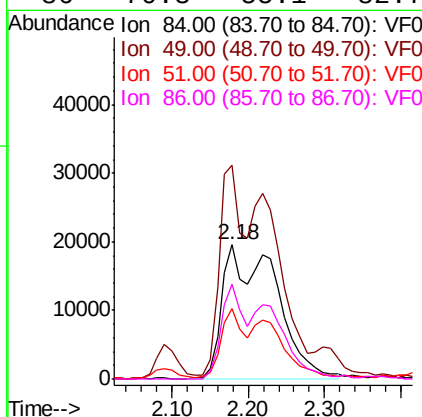
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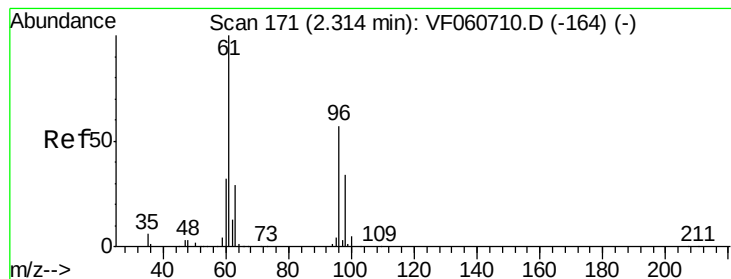
MMDadoda  
11/14/2018 12:55:33 PM



#20  
Methylene Chloride  
Concen: 47.679 ug/l m  
RT: 2.18 min Scan# 157  
Delta R.T. -0.02 min  
Lab File: VF060713.D  
Acq: 13 Nov 2018 14:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 159.2 | 120.2 | 180.4 |
| 51      | 52.4  | 37.2  | 55.8  |
| 86      | 70.3  | 55.1  | 82.7  |





#21

trans-1,2-Dichloroethene

Concen: 45.142 ug/l

RT: 2.31 min Scan# 170

Delta R.T. -0.01 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA\_F

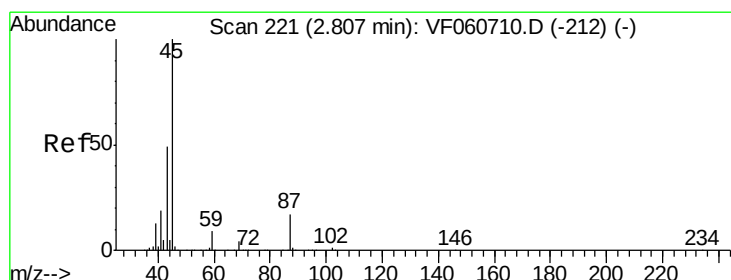
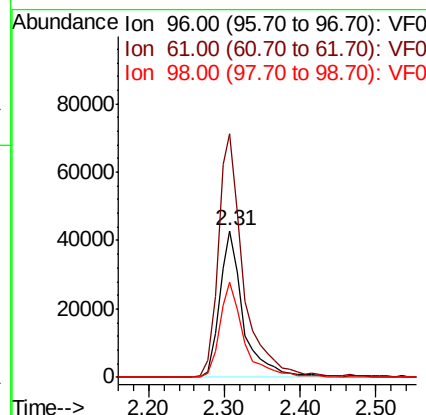
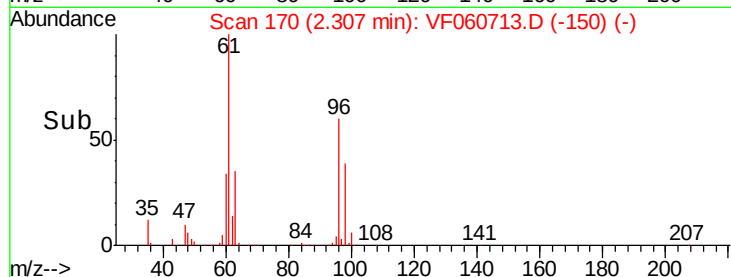
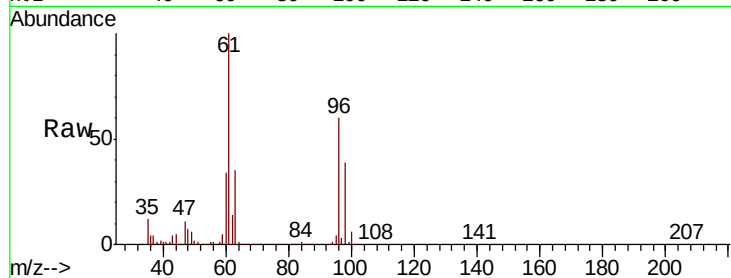
ClientSampleId :

ICVVF111318

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 94784 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 166.3 | 141.6 | 212.4 |
| 98       | 64.8  | 47.4  | 71.0  |

Manual Integrations  
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#22

Diisopropyl ether

Concen: 48.502 ug/l

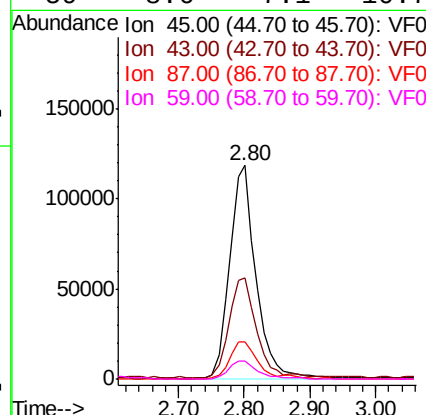
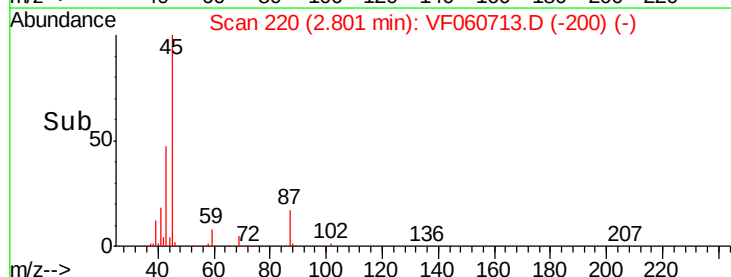
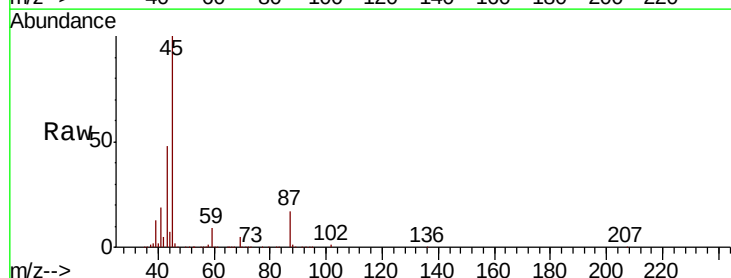
RT: 2.80 min Scan# 220

Delta R.T. -0.01 min

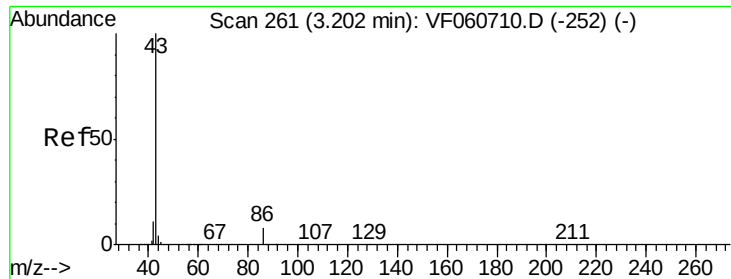
Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 329681 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 47.5  | 39.9  | 59.9   |
| 87       | 17.4  | 13.9  | 20.9   |
| 59       | 8.6   | 7.1   | 10.7   |







#23

Vinyl Acetate

Concen: 259.789 ug/l

RT: 3.19 min Scan# 259

Delta R.T. -0.02 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA\_F

ClientSampleId :

ICVVF111318

Tot Ion: 43 Resp: 831535

Ion Ratio Lower Upper

43 100

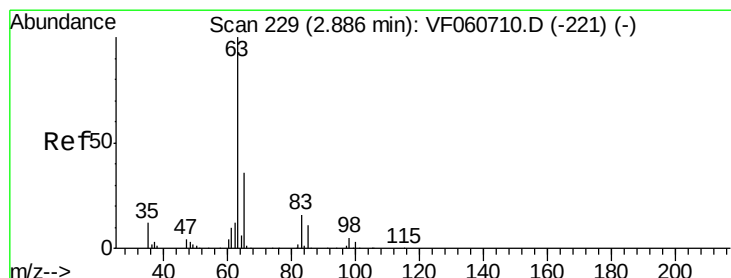
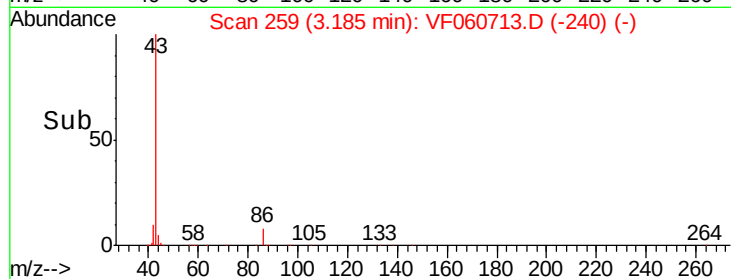
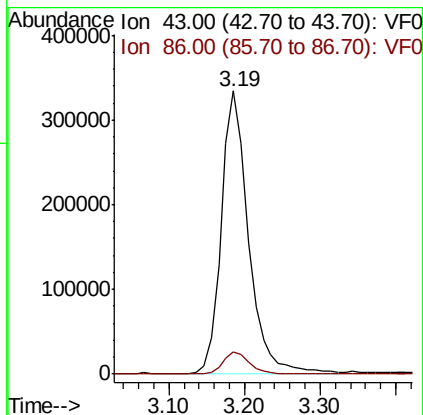
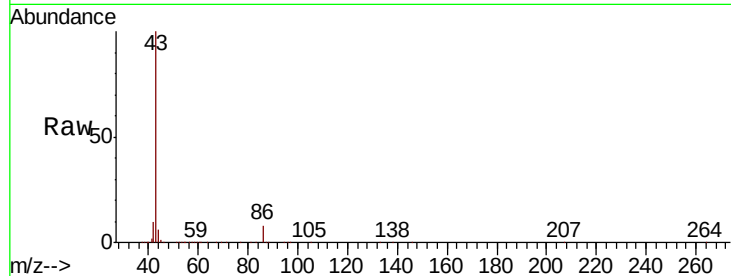
86 8.0 6.4 9.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 49.411 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.02 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

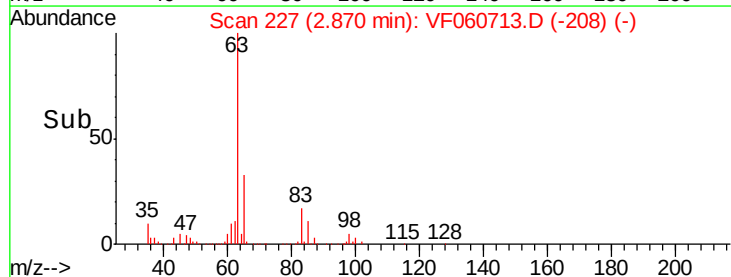
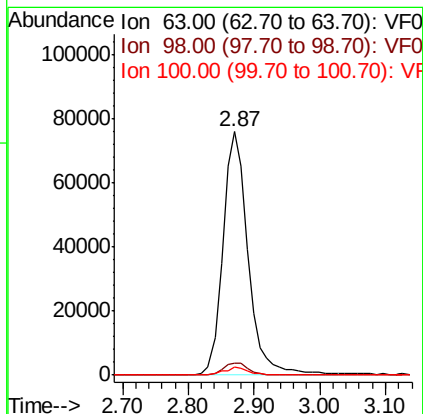
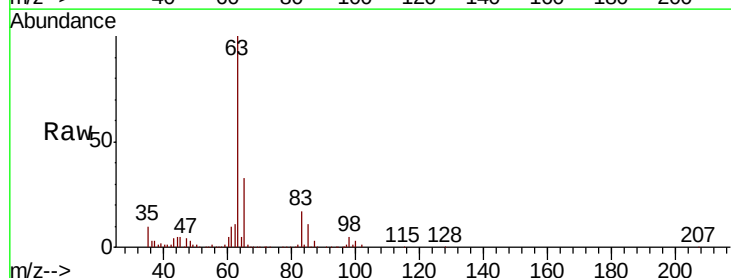
Tgt Ion: 63 Resp: 203334

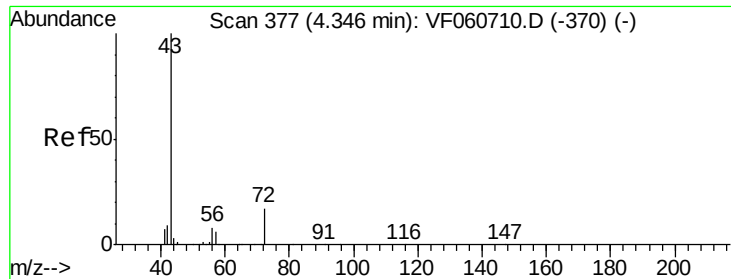
Ion Ratio Lower Upper

63 100

98 5.1 2.4 7.1

100 3.4 1.4 4.2





#25

2-Butanone

Concen: 249.390 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.02 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA\_F

ClientSampleId :

ICVVF111318

Tot Ion: 43 Resp: 246352

Ion Ratio Lower Upper

43 100

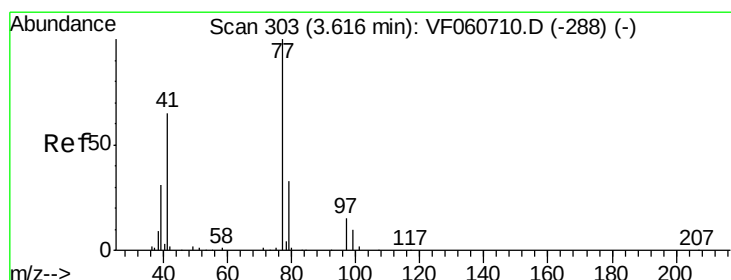
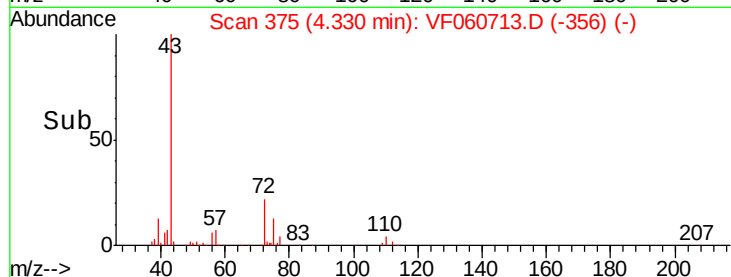
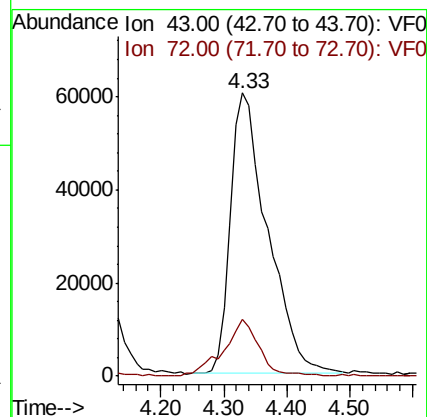
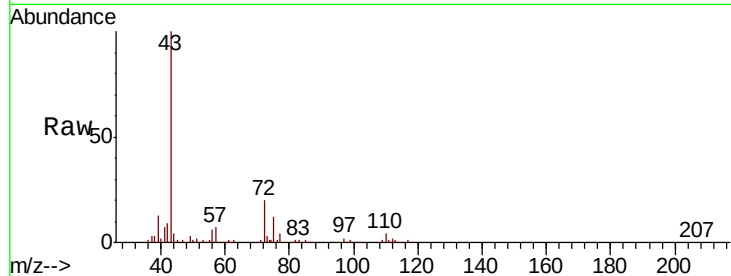
72 20.1 16.1 24.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 45.666 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.02 min

Lab File: VF060713.D

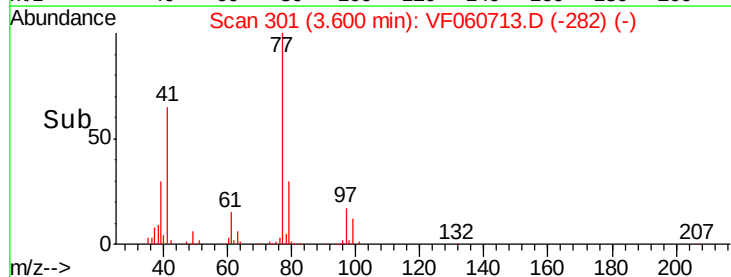
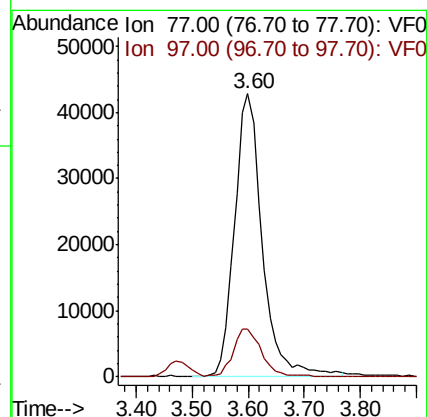
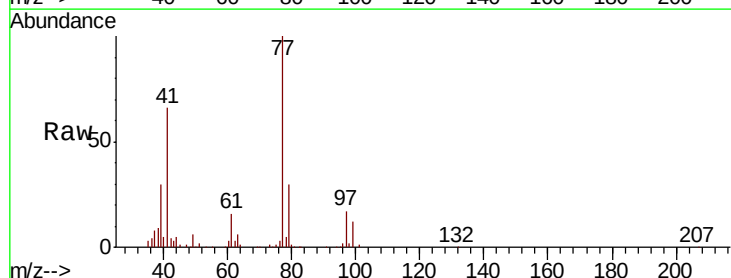
Acq: 13 Nov 2018 14:53

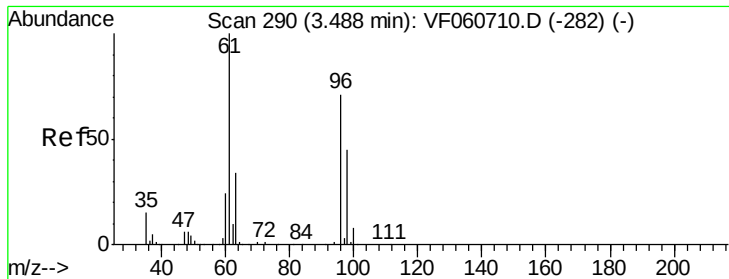
Tgt Ion: 77 Resp: 147882

Ion Ratio Lower Upper

77 100

97 17.1 8.8 26.5





#27

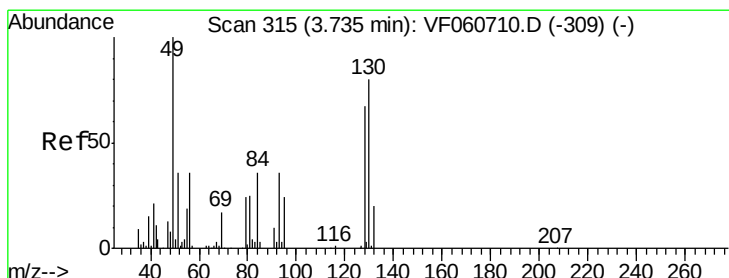
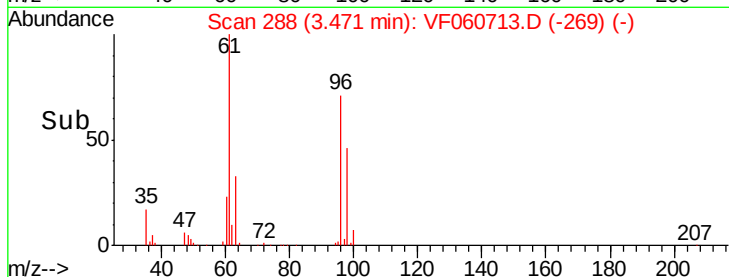
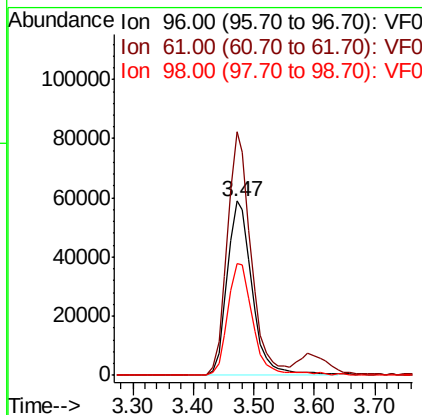
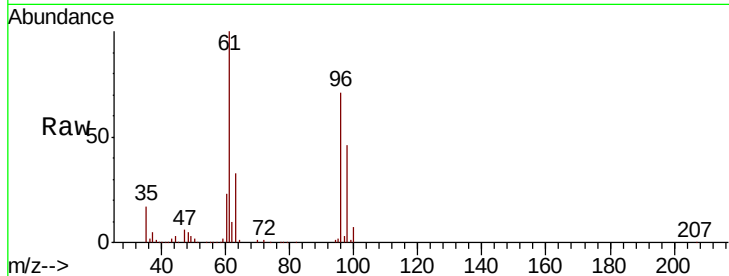
cis-1,2-Dichloroethene  
 Concen: 47.593 ug/l  
 RT: 3.47 min Scan# 288  
 Delta R.T. -0.02 min  
 Lab File: VF060713.D  
 Acq: 13 Nov 2018 14:53

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 ICVVF111318

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 169993 |       |       |
| 61      | 139.9 | 0.0    | 280.6 |       |
| 98      | 64.5  | 0.0    | 127.6 |       |

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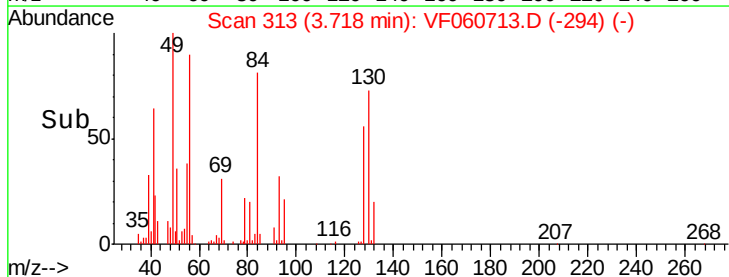
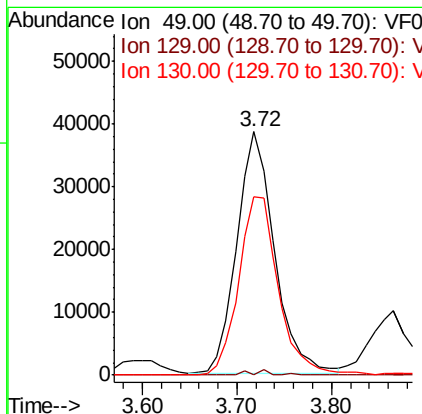
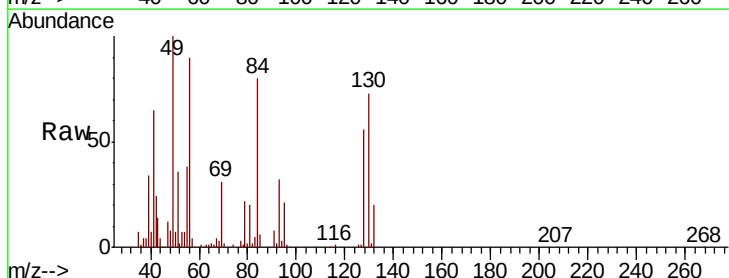
MMDadoda  
 11/14/2018 12:55:33 PM

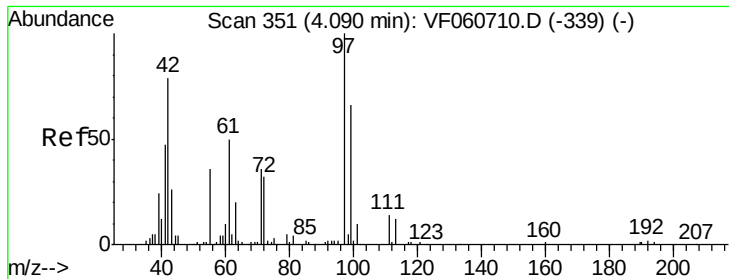


#28

Bromochloromethane  
 Concen: 49.562 ug/l  
 RT: 3.72 min Scan# 313  
 Delta R.T. -0.02 min  
 Lab File: VF060713.D  
 Acq: 13 Nov 2018 14:53

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 105996 |       |       |
| 129     | 0.0   | 0.0    | 5.2   |       |
| 130     | 73.1  | 63.9   | 95.9  |       |





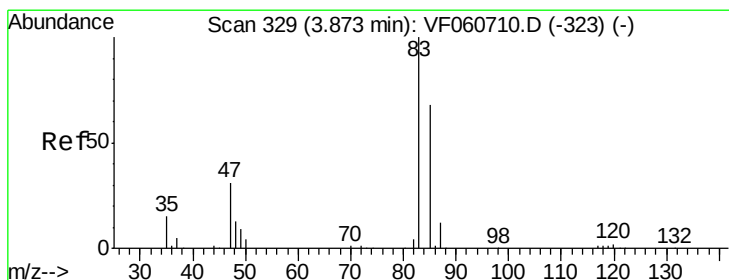
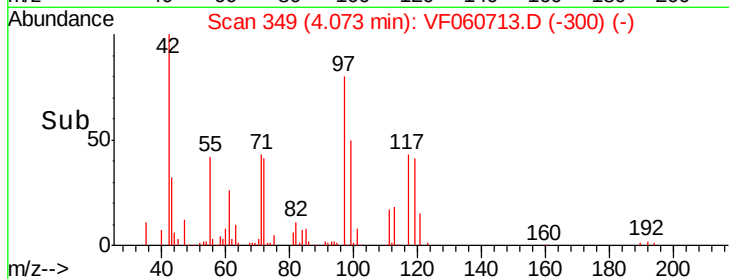
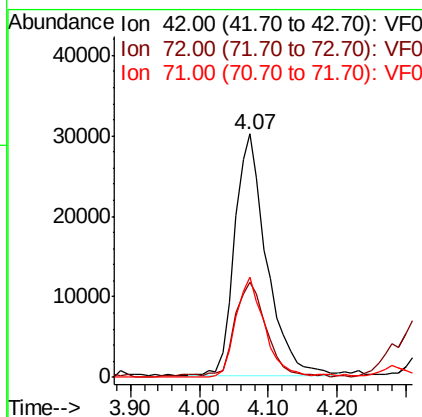
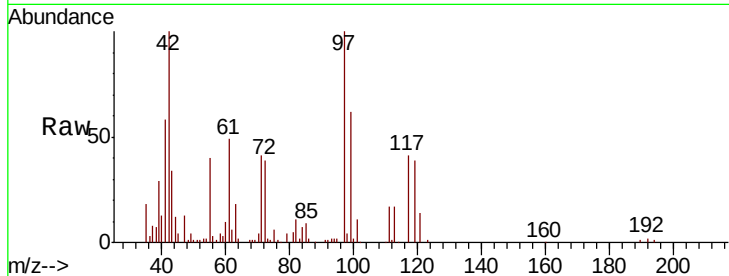
#29  
Tetrahydrofuran  
Concen: 235.751 ug/l  
RT: 4.07 min Scan# 349  
Delta R.T. -0.02 min  
Lab File: VF060713.D  
Acq: 13 Nov 2018 14:53

Instrument :  
MSVOA\_F  
ClientSampleId :  
ICVVF111318

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 40.9  | 30.3  | 45.5  |
| 71      | 37.6  | 32.2  | 48.2  |

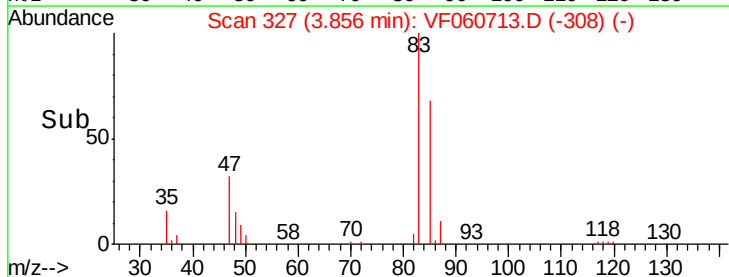
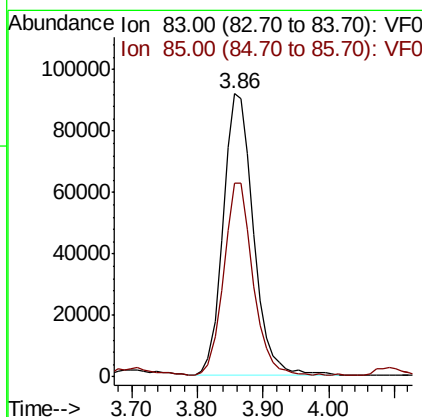
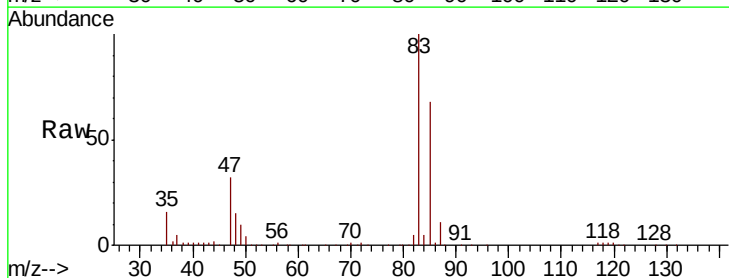
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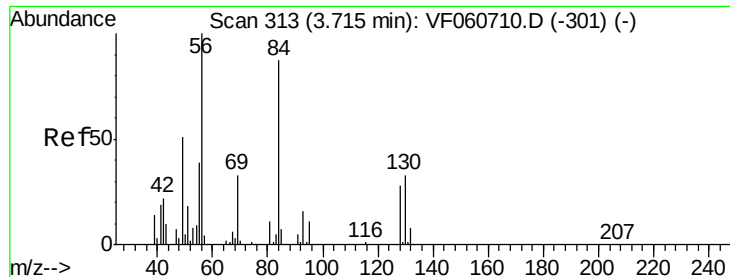
MMDadoda  
11/14/2018 12:55:33 PM



#30  
Chloroform  
Concen: 44.815 ug/l  
RT: 3.86 min Scan# 327  
Delta R.T. -0.02 min  
Lab File: VF060713.D  
Acq: 13 Nov 2018 14:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 68.3  | 54.6  | 82.0  |





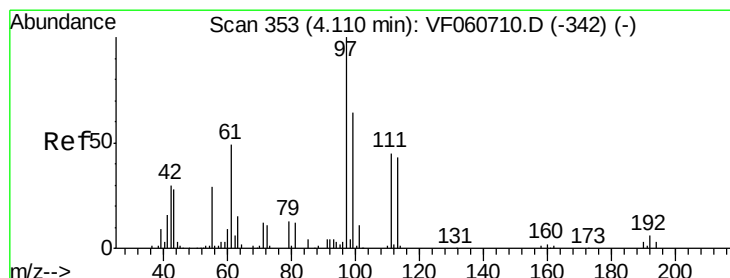
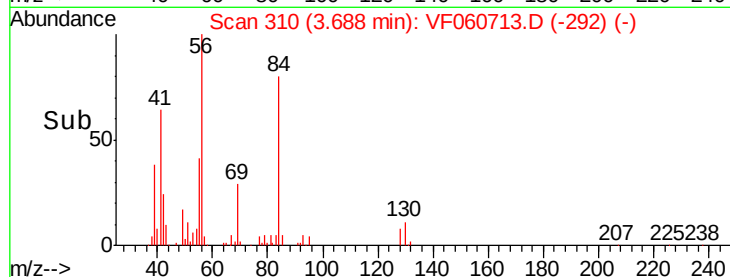
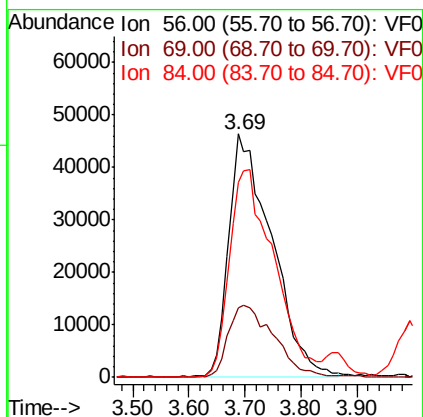
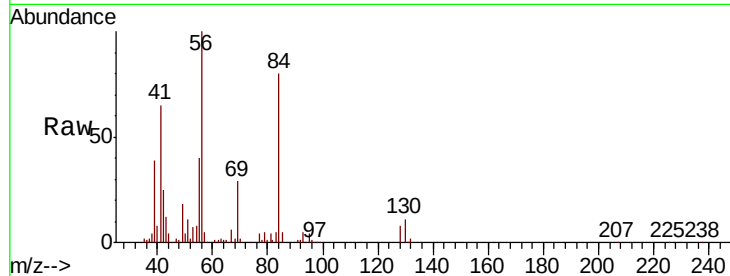
#31  
Cyclohexane  
Concen: 49.489 ug/l  
RT: 3.69 min Scan# 310  
Delta R.T. -0.03 min  
Lab File: VF060713.D  
Acq: 13 Nov 2018 14:53

Instrument :  
MSVOA\_F  
ClientSampleId :  
ICVVF111318

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 28.7  | 26.0  | 39.0  |
| 84      | 80.2  | 69.4  | 104.2 |

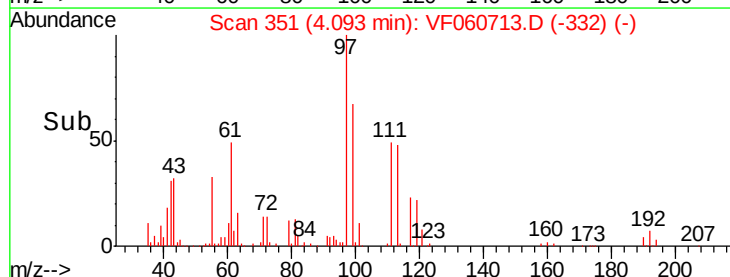
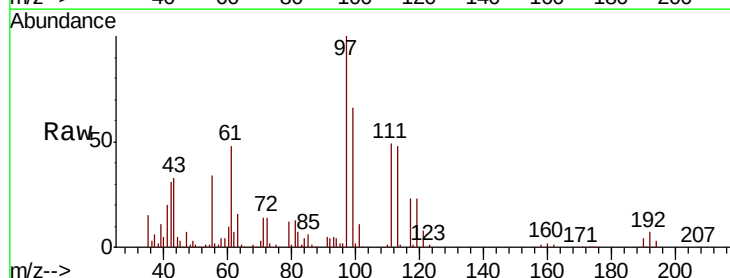
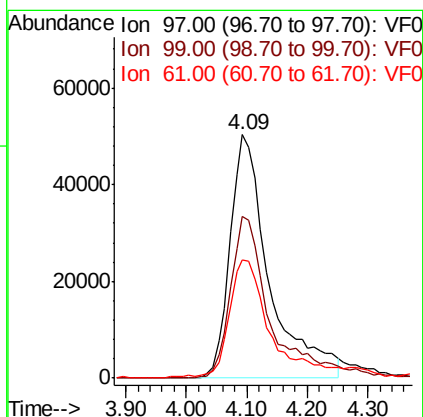
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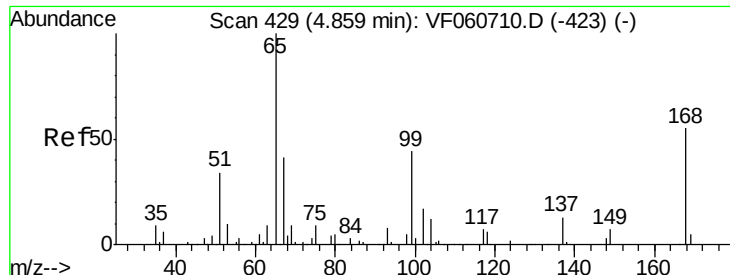
MMDadoda  
11/14/2018 12:55:33 PM



#32  
1,1,1-Trichloroethane  
Concen: 43.905 ug/l  
RT: 4.09 min Scan# 351  
Delta R.T. -0.02 min  
Lab File: VF060713.D  
Acq: 13 Nov 2018 14:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 66.4  | 51.1  | 76.7  |
| 61      | 48.5  | 40.1  | 60.1  |





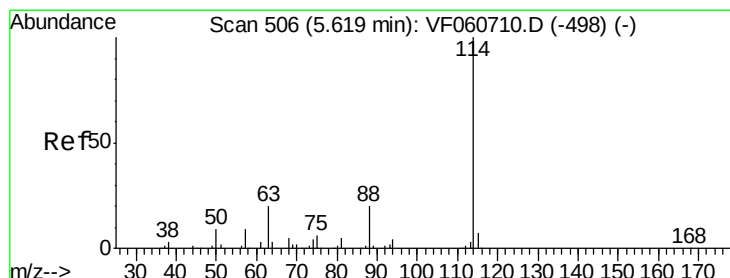
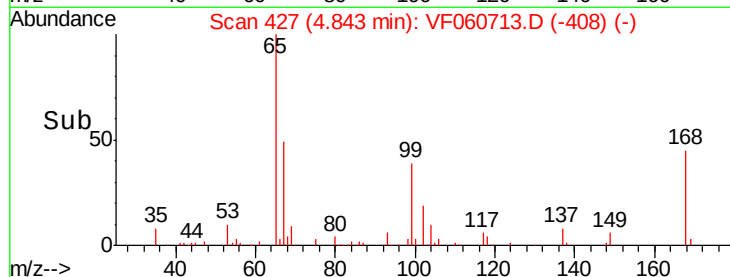
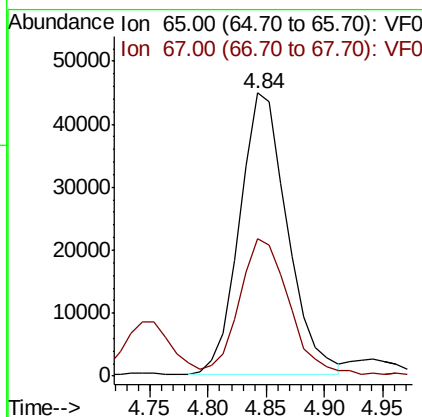
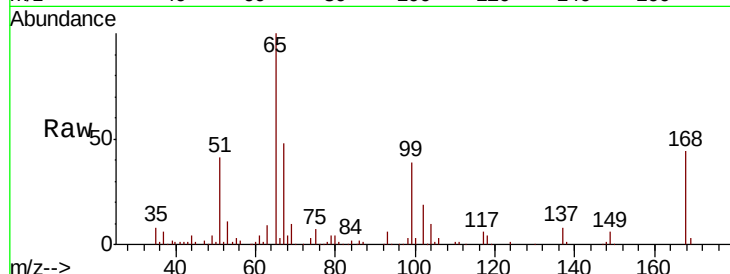
#33  
 1,2-Dichloroethane-d4  
 Concen: 45.446 ug/l  
 RT: 4.84 min Scan# 427  
 Delta R.T. -0.02 min  
 Lab File: VF060713.D  
 Acq: 13 Nov 2018 14:53

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 ICVVF111318

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 127691 |       |       |
| 67      | 48.4  | 0.0    | 90.2  |       |

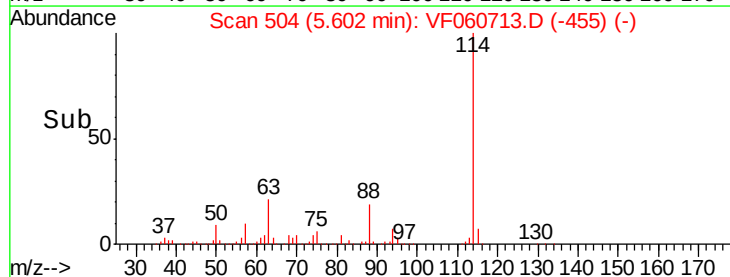
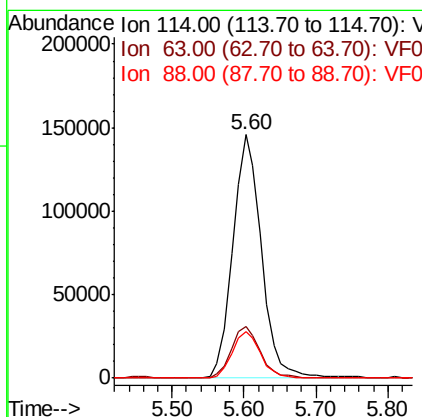
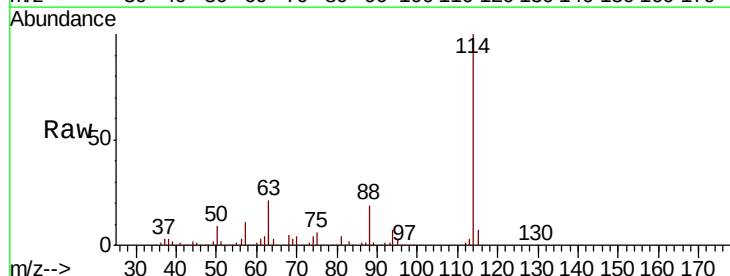
Manual Integrations  
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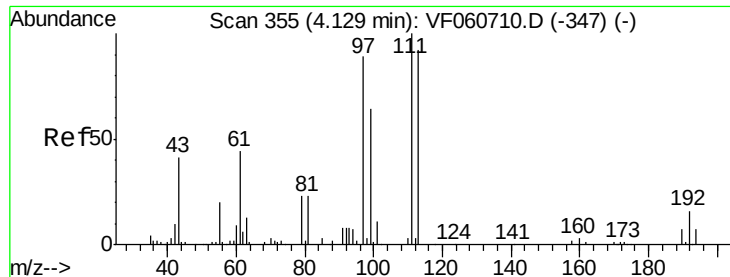
MMDadoda  
 11/14/2018 12:55:33 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.60 min Scan# 504  
 Delta R.T. -0.02 min  
 Lab File: VF060713.D  
 Acq: 13 Nov 2018 14:53

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 402901 |       |       |
| 63      | 21.2  | 0.0    | 40.8  |       |
| 88      | 18.9  | 0.0    | 39.6  |       |





#35

Dibromofluoromethane

Concen: 48.143 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.02 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA\_F

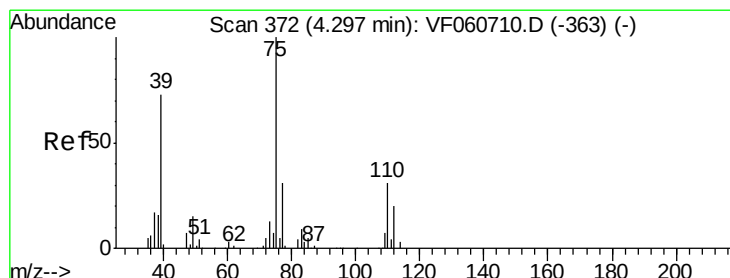
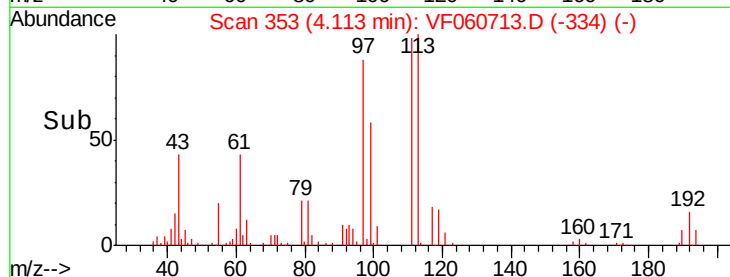
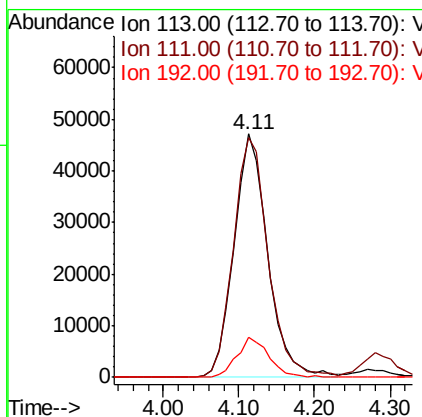
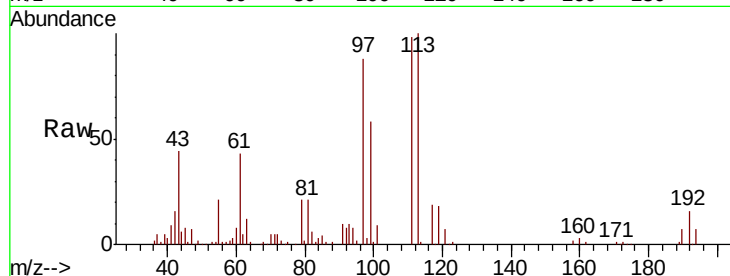
ClientSampleId :

ICVVF111318

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 145806 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 98.2  | 87.1  | 130.7  |
| 192       | 16.5  | 13.8  | 20.6   |

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#36

1,1-Dichloropropene

Concen: 49.866 ug/l

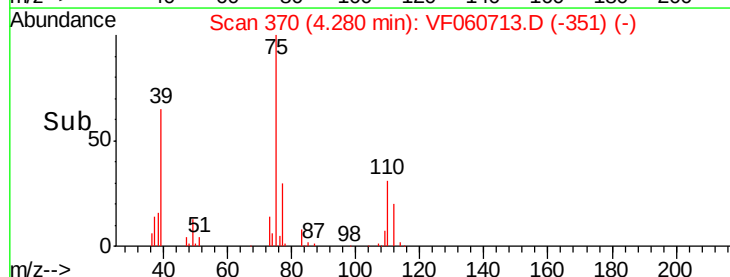
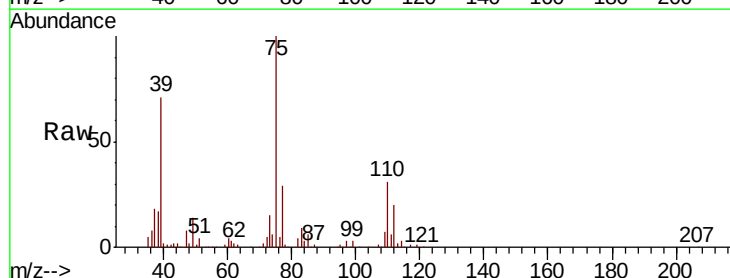
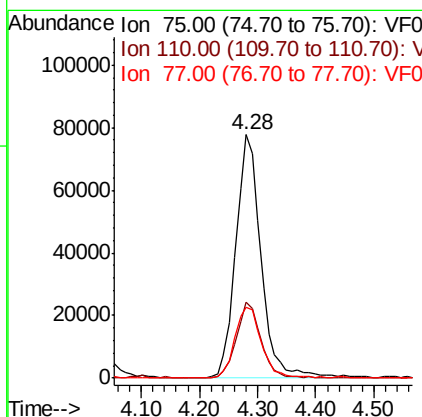
RT: 4.28 min Scan# 370

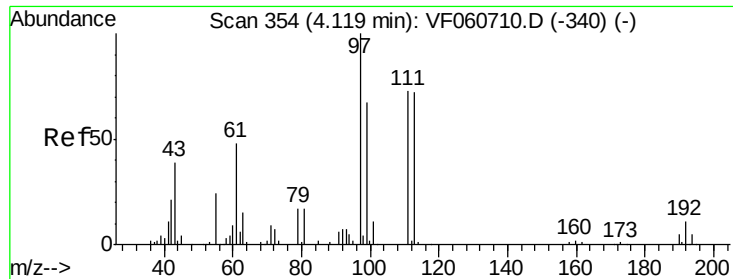
Delta R.T. -0.02 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 233007 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 110       | 31.3  | 15.6  | 46.8   |
| 77        | 29.3  | 25.0  | 37.6   |





#37

Ethyl Acetate

Concen: 48.726 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA\_F

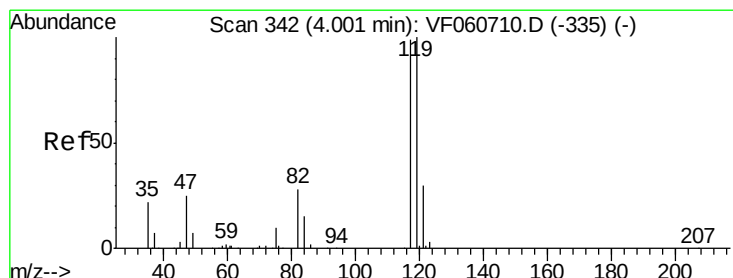
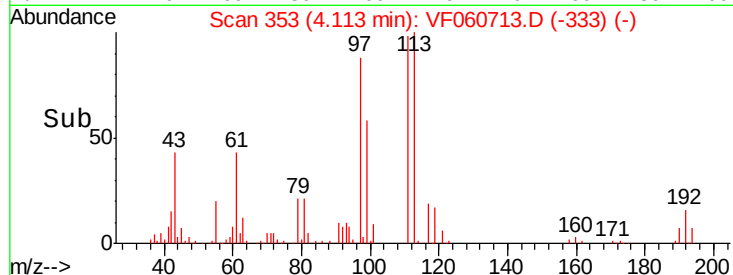
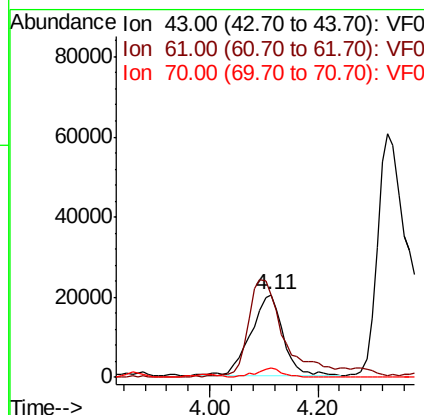
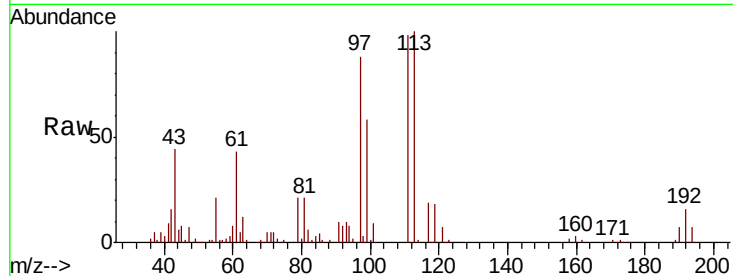
ClientSampleId :

ICVVF111318

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 84647 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 99.0  | 98.5  | 147.7 |
| 70       | 11.9  | 7.4   | 11.0# |

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11/14/2018 12:55:33 PM



#38

Carbon Tetrachloride

Concen: 47.214 ug/l m

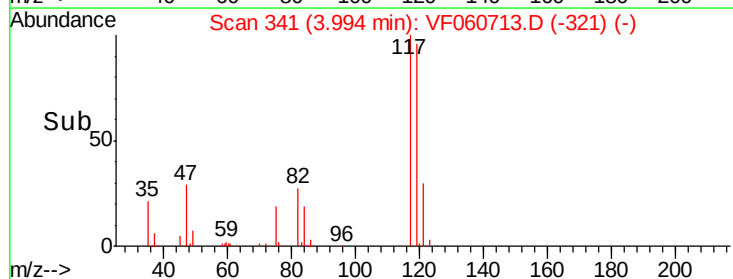
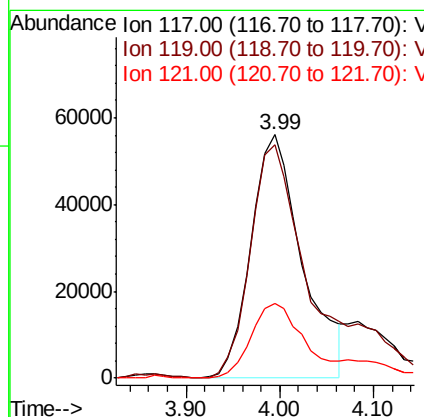
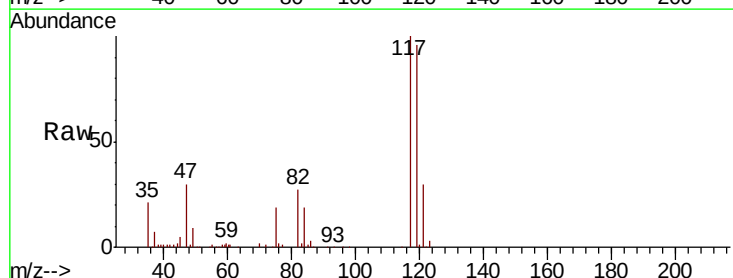
RT: 3.99 min Scan# 341

Delta R.T. -0.01 min

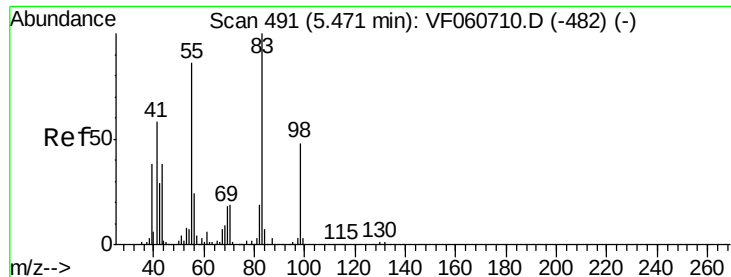
Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 214067 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 96.0  | 80.7  | 121.1  |
| 121      | 30.5  | 24.3  | 36.5   |







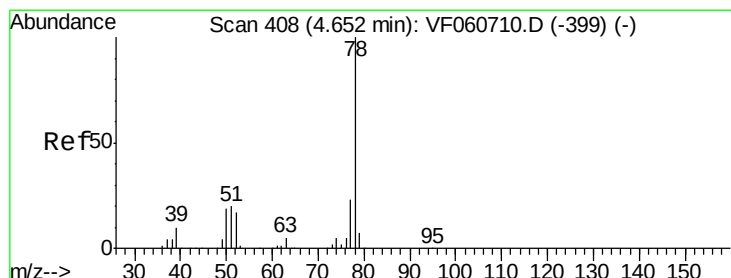
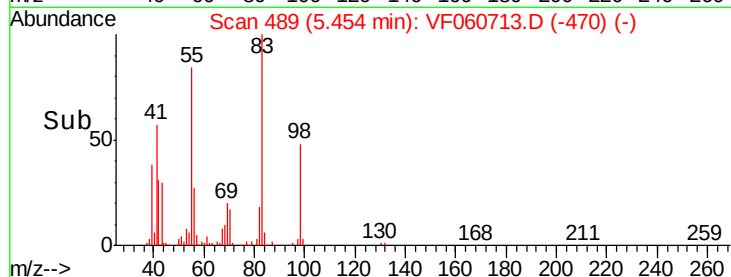
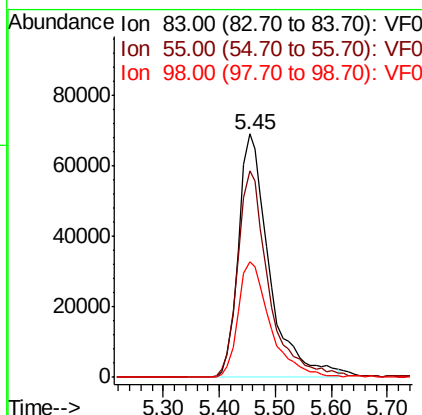
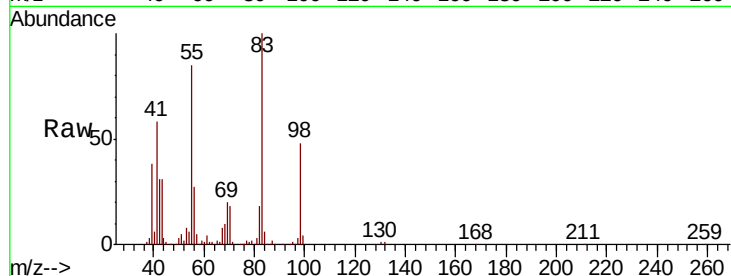
#39  
Methylvlcyclohexane  
Concen: 48.449 ug/l  
RT: 5.45 min Scan# 489  
Delta R.T. -0.02 min  
Lab File: VF060713.D  
Acq: 13 Nov 2018 14:53

Instrument :  
MSVOA\_F  
ClientSampleId :  
ICVVF111318

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 84.6  | 69.0  | 103.4 |
| 98      | 47.6  | 38.5  | 57.7  |

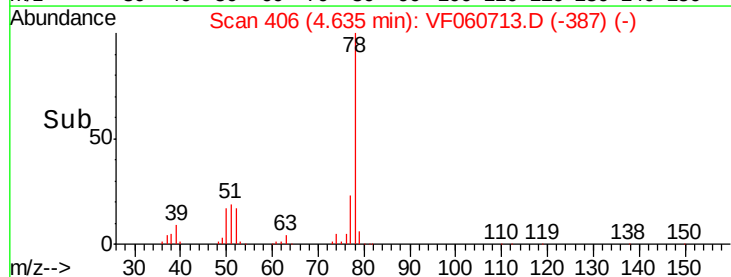
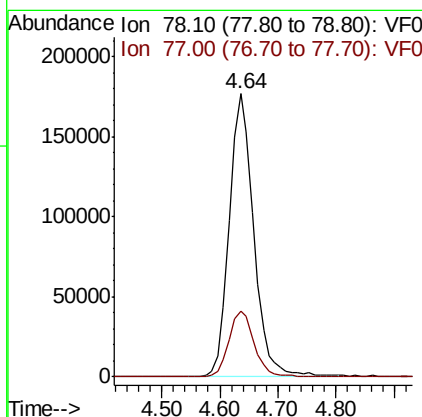
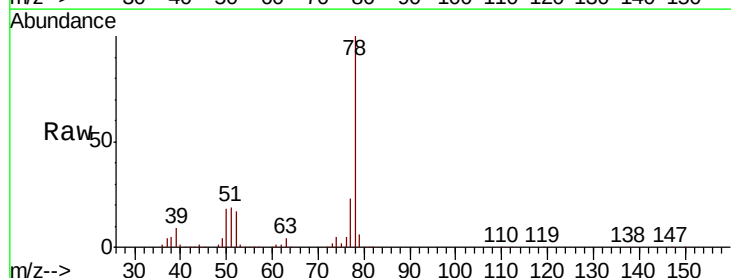
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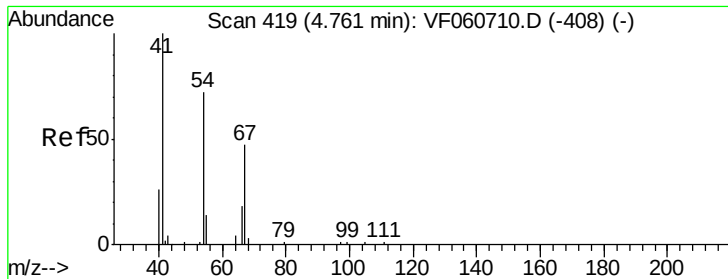
MMDadoda  
11/14/2018 12:55:33 PM



#40  
Benzene  
Concen: 49.822 ug/l  
RT: 4.64 min Scan# 406  
Delta R.T. -0.02 min  
Lab File: VF060713.D  
Acq: 13 Nov 2018 14:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.1  | 18.6  | 28.0  |





#41

Methacrylonitrile

Concen: 55.478 ug/l

RT: 4.74 min Scan# 417

Delta R.T. -0.02 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA\_F

ClientSampleId :

ICVVF111318

Tot Ion: 41 Resp: 50945

Ion Ratio Lower Upper

41 100

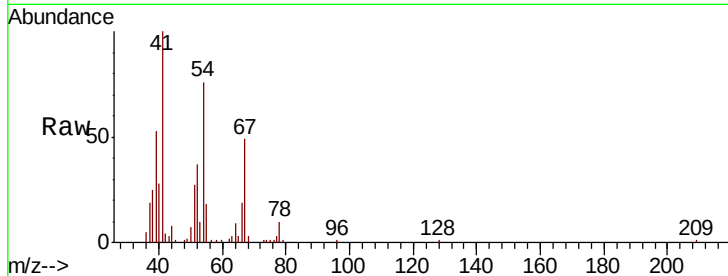
39 53.3 47.1 70.7

67 49.2 37.1 55.7

52 37.5 39.3 58.9#

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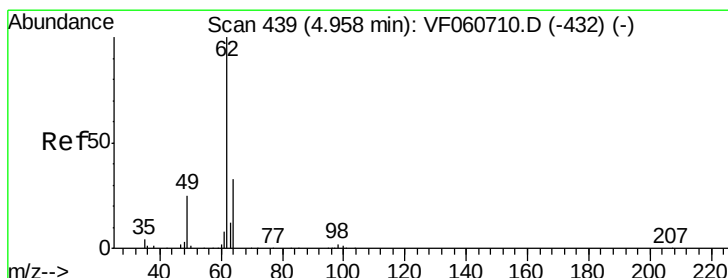
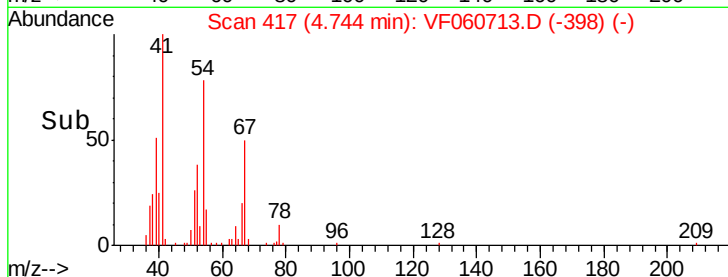
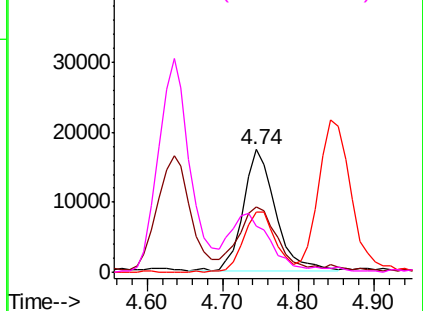


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 46.872 ug/l

RT: 4.94 min Scan# 437

Delta R.T. -0.02 min

Lab File: VF060713.D

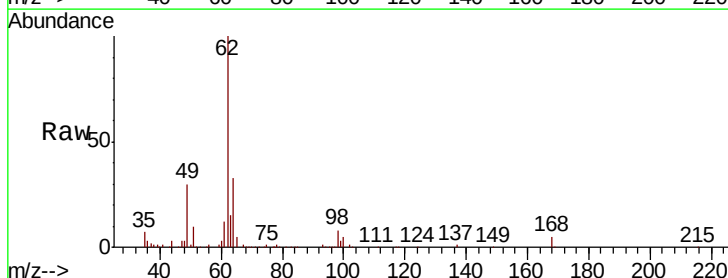
Acq: 13 Nov 2018 14:53

Tgt Ion: 62 Resp: 168715

Ion Ratio Lower Upper

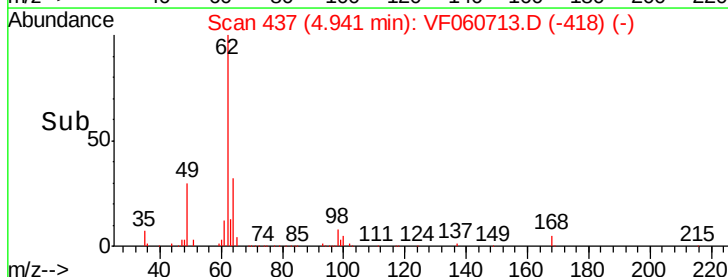
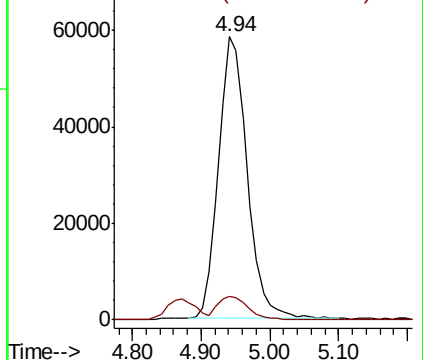
62 100

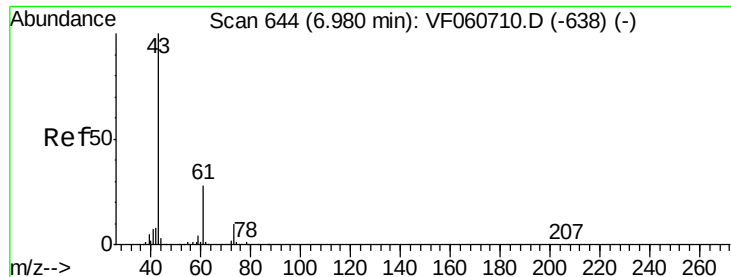
98 8.4 0.0 16.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 53.196 ug/l

RT: 6.96 min Scan# 642

Delta R.T. -0.02 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA\_F

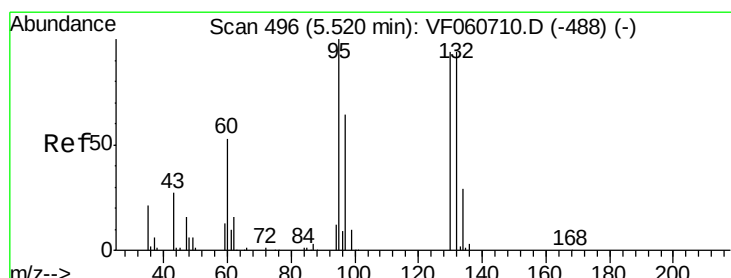
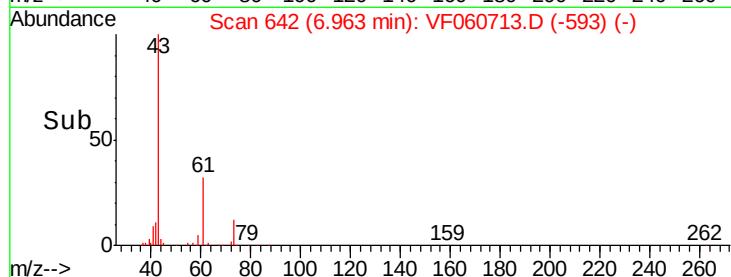
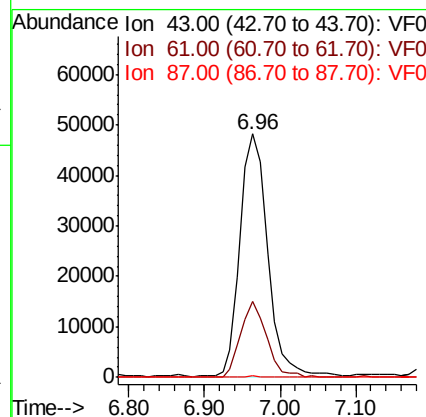
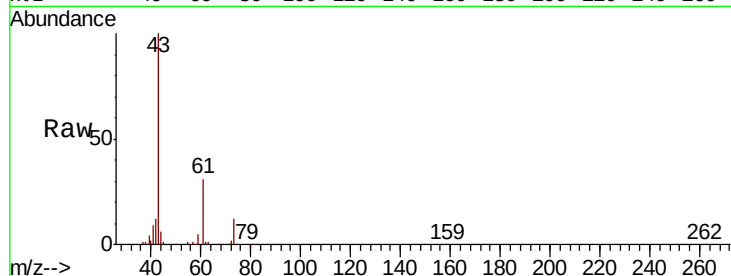
ClientSampleId :

ICVVF111318

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 122527 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 31.2  | 22.2  | 33.4   |
| 87       | 0.5   | 0.4   | 0.6    |

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#44

Trichloroethene

Concen: 48.422 ug/l

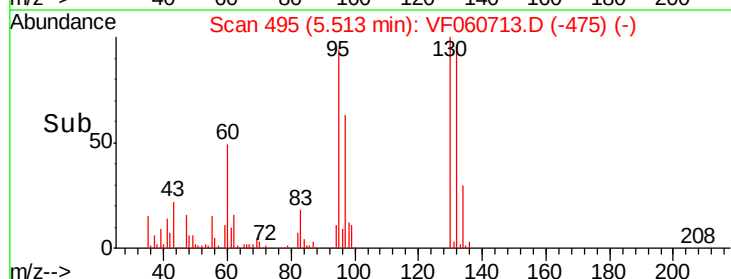
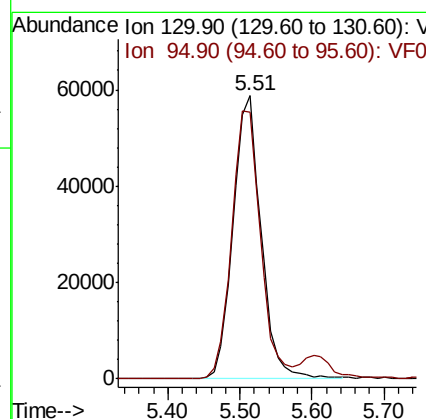
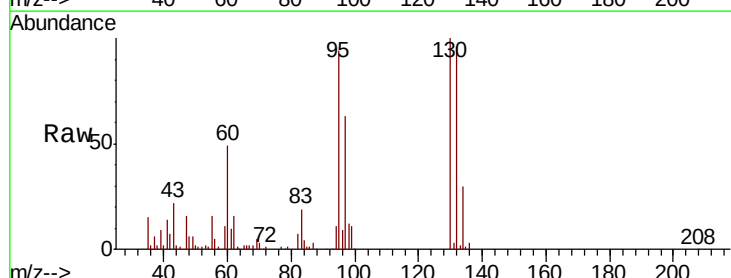
RT: 5.51 min Scan# 495

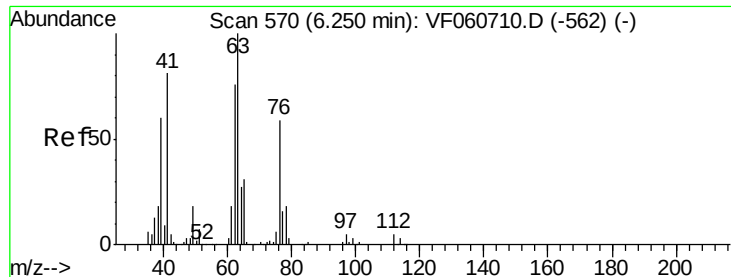
Delta R.T. -0.01 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 159130 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 94.0  | 0.0   | 212.6  |





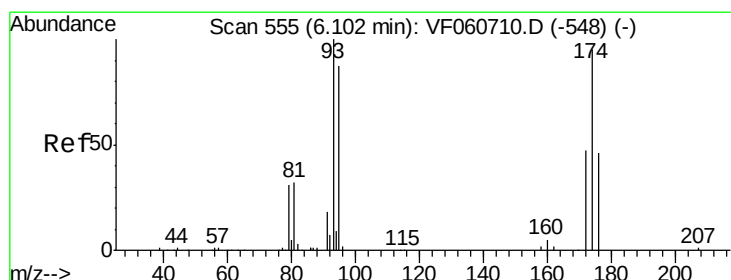
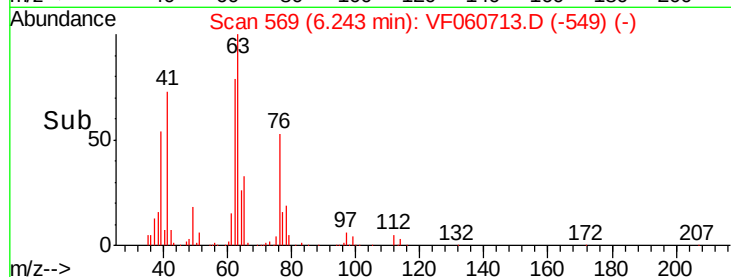
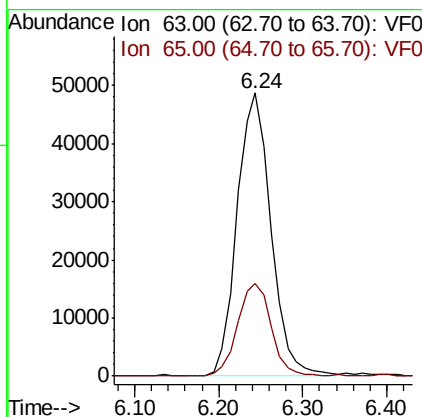
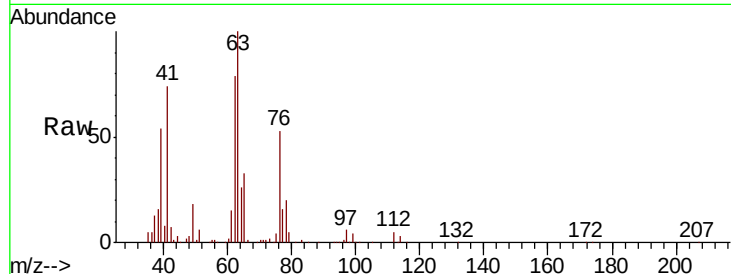
#45  
 1,2-Dichloropropane  
 Concen: 50.621 ug/l  
 RT: 6.24 min Scan# 569  
 Delta R.T. -0.01 min  
 Lab File: VF060713.D  
 Acq: 13 Nov 2018 14:53

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 ICVVF111318

Tot Ion: 63 Resp: 137206  
 Ion Ratio Lower Upper  
 63 100  
 65 32.9 24.6 36.8

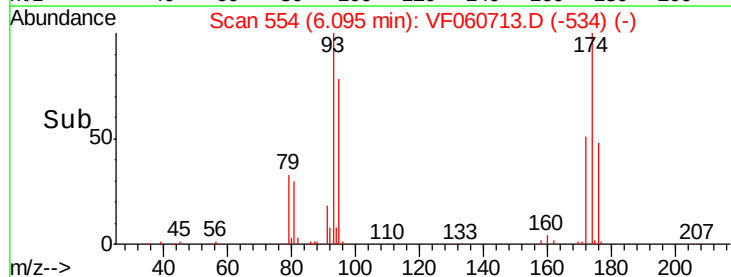
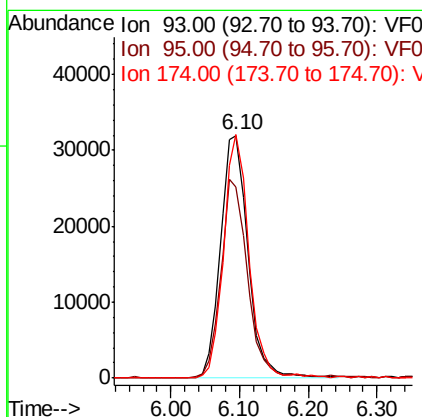
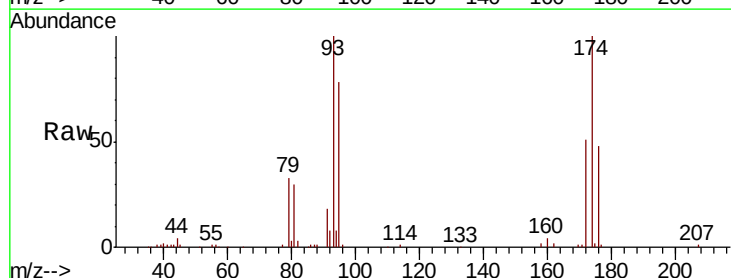
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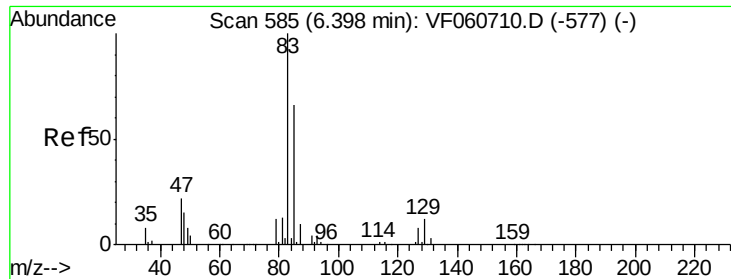
MMDadoda  
 11/14/2018 12:55:33 PM



#46  
 Dibromomethane  
 Concen: 49.534 ug/l  
 RT: 6.10 min Scan# 554  
 Delta R.T. -0.01 min  
 Lab File: VF060713.D  
 Acq: 13 Nov 2018 14:53

Tgt Ion: 93 Resp: 88626  
 Ion Ratio Lower Upper  
 93 100  
 95 78.6 69.5 104.3  
 174 100.5 76.2 114.2





#47

Bromodichloromethane

Concen: 48.923 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.01 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA\_F

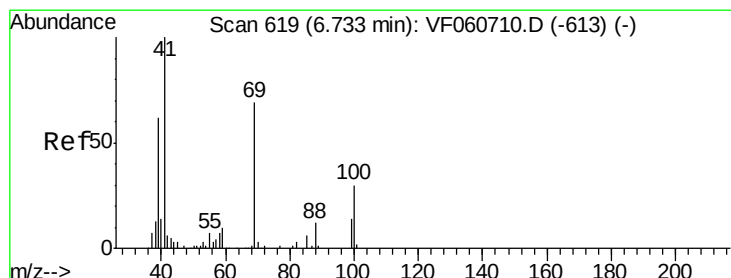
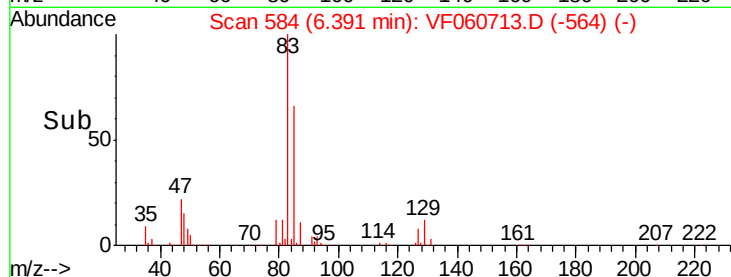
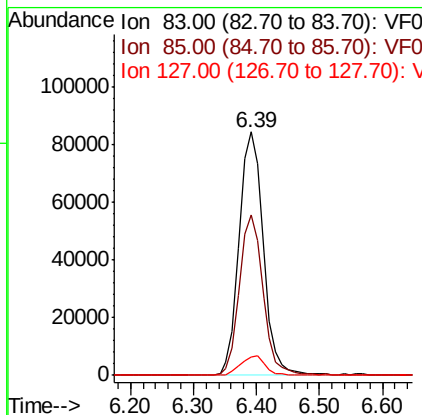
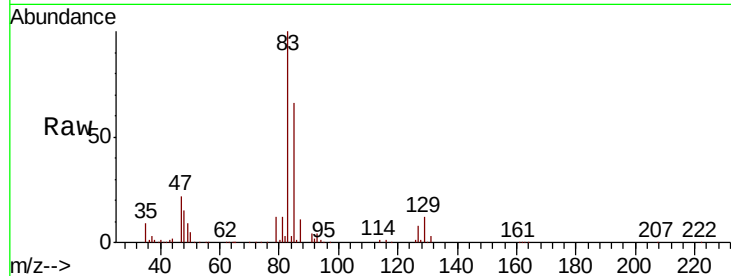
ClientSampleId :

ICVVF111318

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 223523 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 65.7  | 52.4  | 78.6   |
| 127       | 7.5   | 6.8   | 10.2   |

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#48

Methyl methacrylate

Concen: 51.794 ug/l

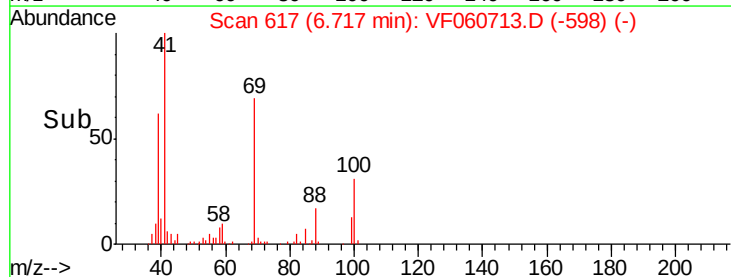
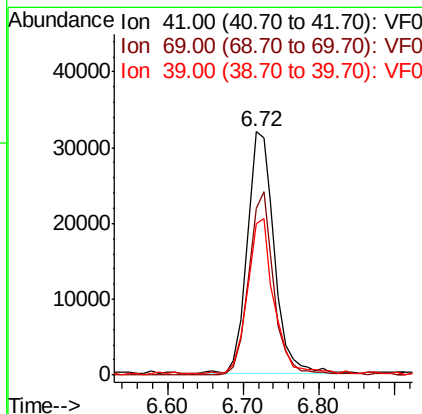
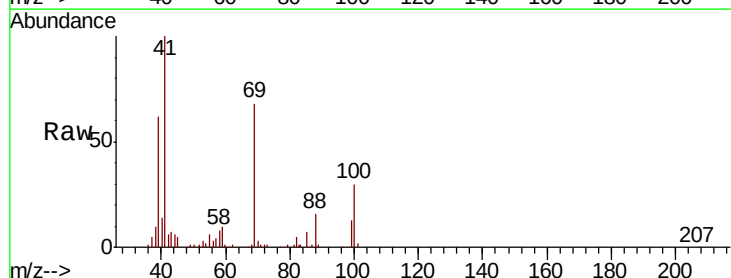
RT: 6.72 min Scan# 617

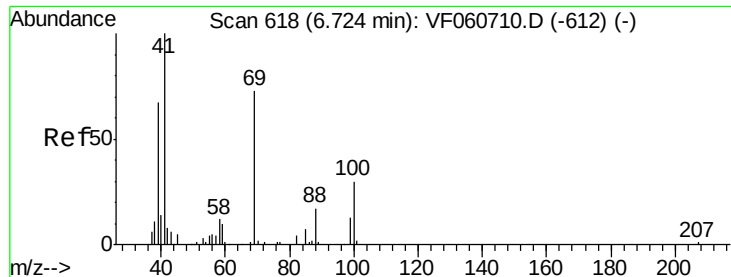
Delta R.T. -0.02 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 41    | Resp: | 78953 |
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 69        | 68.3  | 54.9  | 82.3  |
| 39        | 62.2  | 49.6  | 74.4  |





#49

1,4-Dioxane

Concen: 1053.550 ug/l

RT: 6.72 min Scan# 617

Delta R.T. -0.01 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA\_F

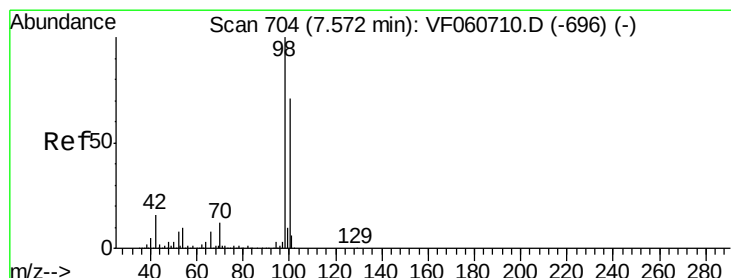
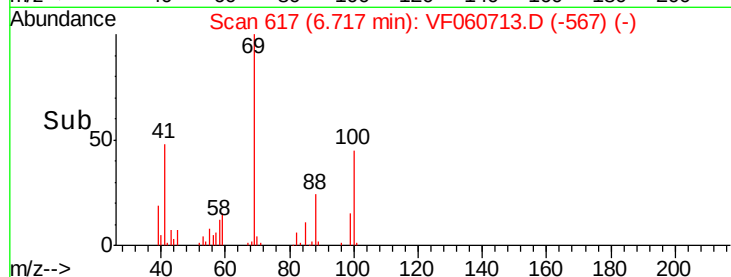
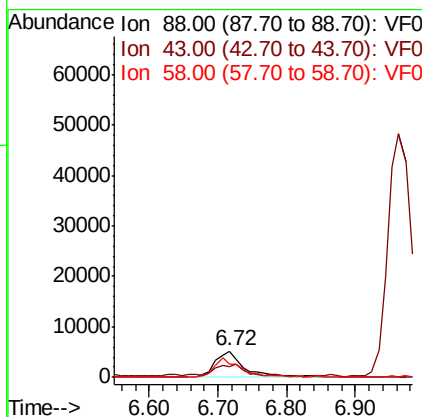
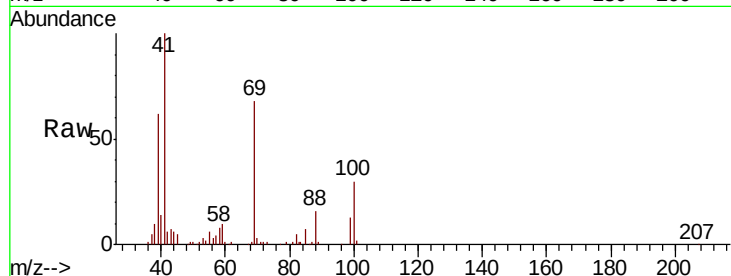
ClientSampleId :

ICVVF111318

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 88    | Resp: | 15020 |
| Ion Ratio | Lower | Upper |       |
| 88        | 100   |       |       |
| 43        | 40.2  | 44.6  | 66.8# |
| 58        | 49.8  | 54.5  | 81.7# |

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#50

Toluene-d8

Concen: 56.193 ug/l

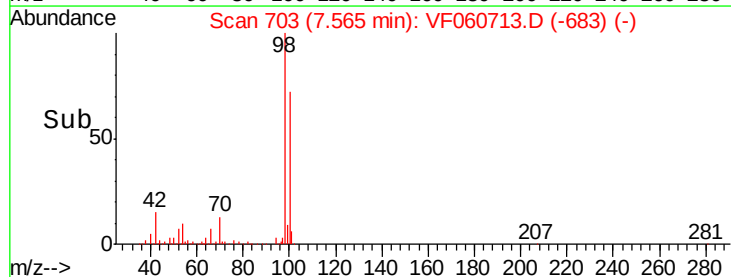
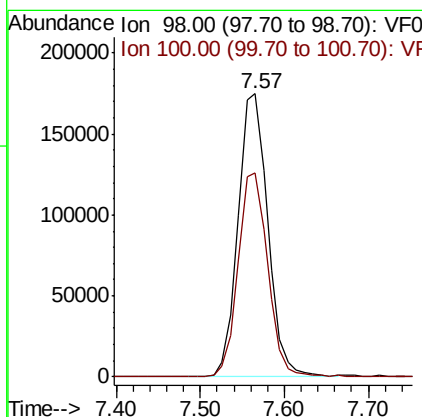
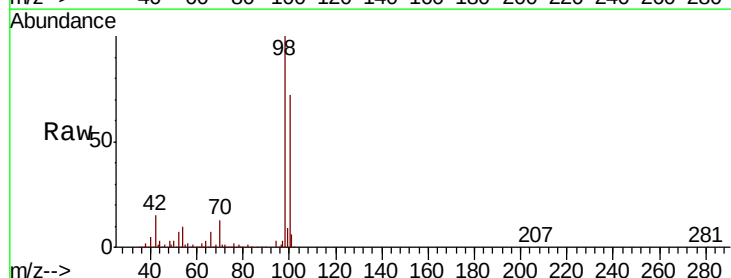
RT: 7.57 min Scan# 703

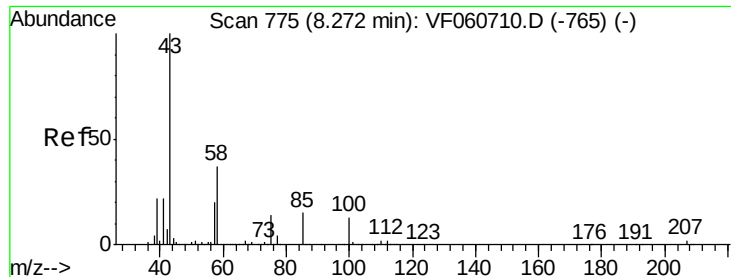
Delta R.T. -0.01 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 98    | Resp: | 433179 |
| Ion Ratio | Lower | Upper |        |
| 98        | 100   |       |        |
| 100       | 72.0  | 56.5  | 84.7   |





#51

4-Methyl-2-Pentanone

Concen: 251.335 ug/l

RT: 8.27 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA\_F

ClientSampleId :

ICVVF111318

Tot Ion: 43 Resp: 418692

Ion Ratio Lower Upper

43 100

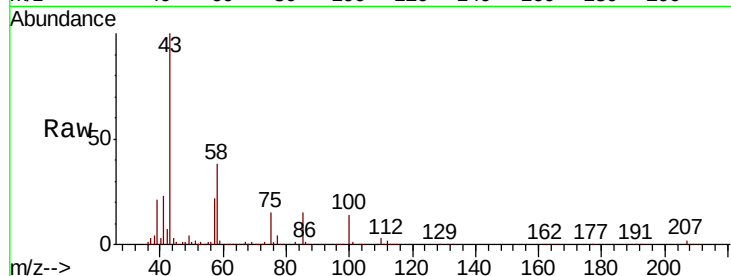
58 38.1 29.2 43.8

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.27

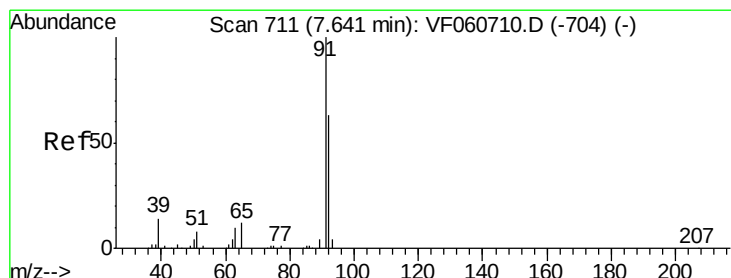
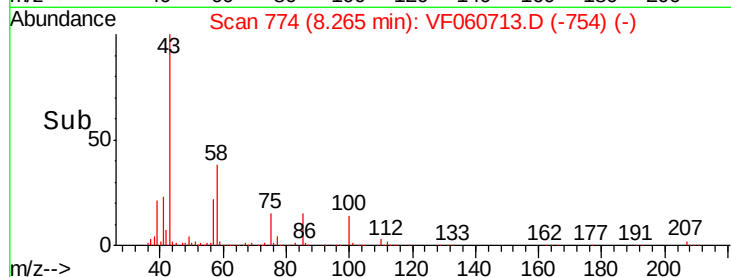
150000

100000

50000

0

Time--> 8.10 8.20 8.30 8.40



#52

Toluene

Concen: 47.855 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.01 min

Lab File: VF060713.D

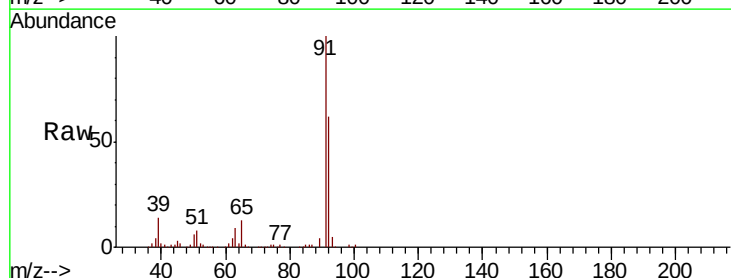
Acq: 13 Nov 2018 14:53

Tgt Ion: 92 Resp: 334032

Ion Ratio Lower Upper

92 100

91 160.8 126.7 190.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

250000

200000

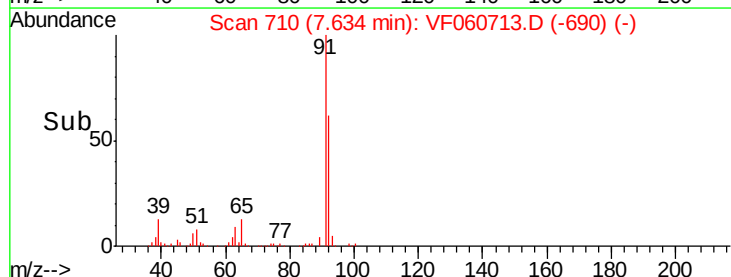
150000

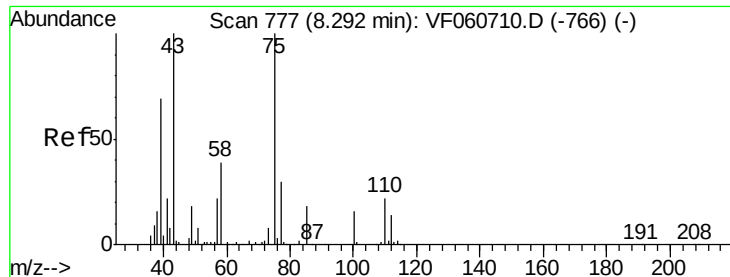
100000

50000

0

Time--> 7.50 7.60 7.70 7.80





#53

t-1,3-Dichloropropene

Concen: 48.260 ug/l

RT: 8.29 min Scan# 776

Delta R.T. -0.01 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Tot Ion: 75 Resp: 176606

Ion Ratio Lower Upper

75 100

77 32.9 24.6 36.8

Instrument :

MSVOA\_F

ClientSampleId :

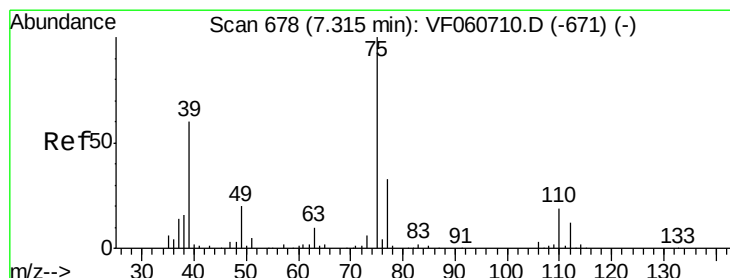
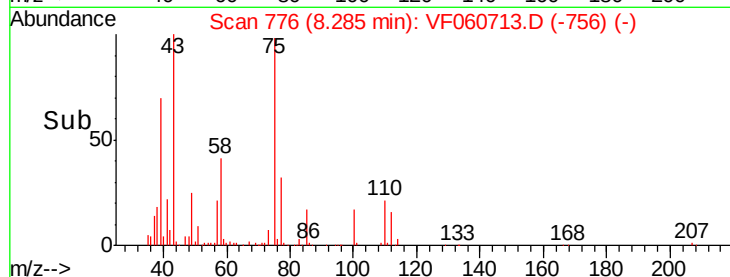
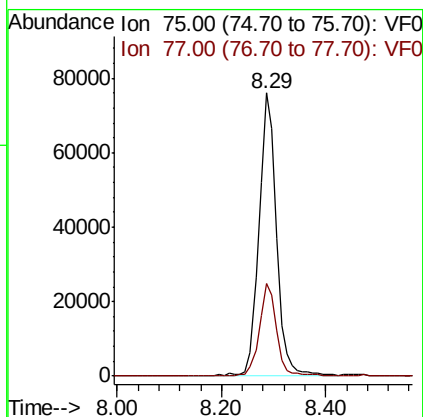
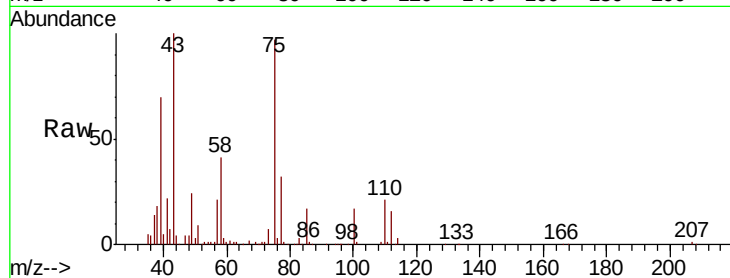
ICVVF111318

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#54

cis-1,3-Dichloropropene

Concen: 48.849 ug/l

RT: 7.31 min Scan# 677

Delta R.T. -0.01 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

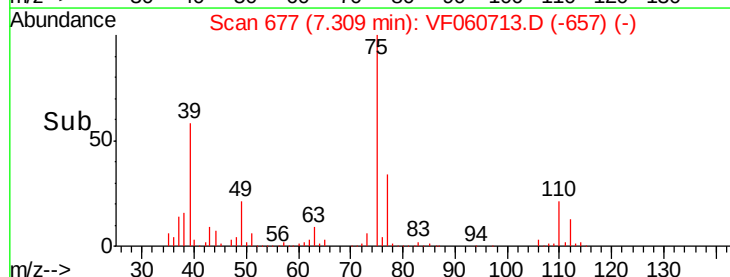
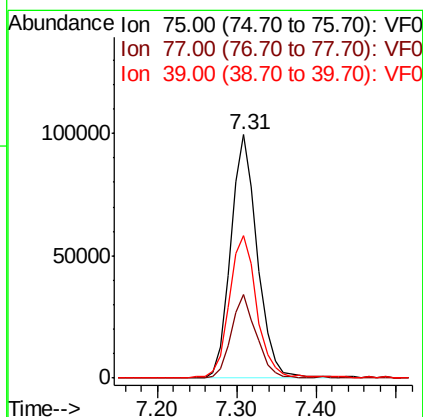
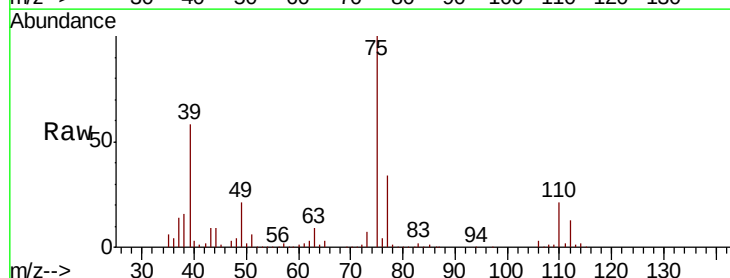
Tgt Ion: 75 Resp: 232200

Ion Ratio Lower Upper

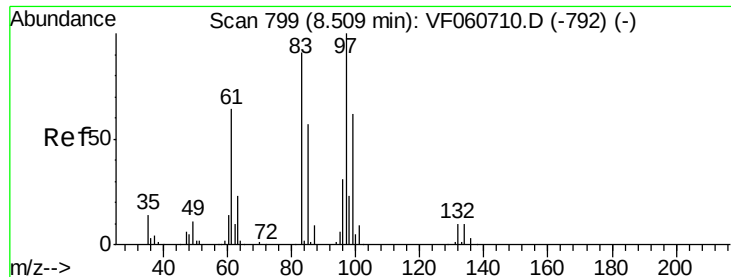
75 100

77 34.5 26.5 39.7

39 58.4 48.5 72.7







#55

1,1,2-Trichloroethane

Concen: 48.042 ug/l

RT: 8.50 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA\_F

ClientSampleId :

ICVVF111318

Tot Ion: 97 Resp: 95812

Ion Ratio Lower Upper

97 100

83 85.7 72.8 109.2

85 59.3 45.8 68.6

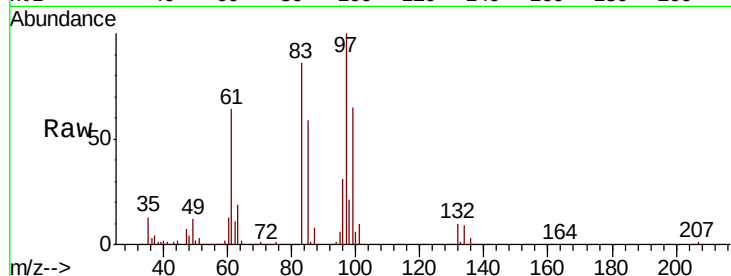
99 65.3 49.4 74.0

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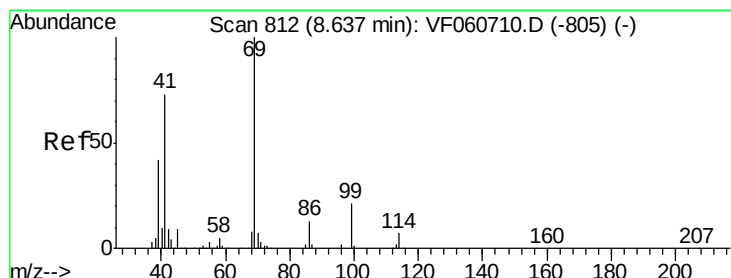
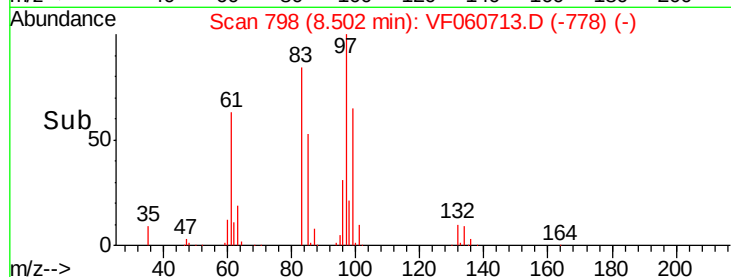
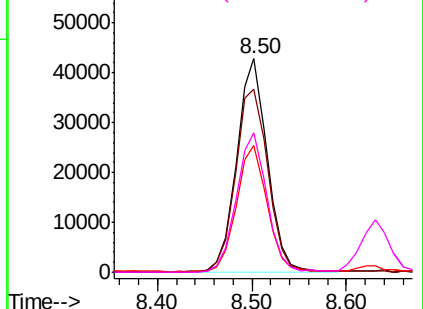


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 51.413 ug/l

RT: 8.63 min Scan# 811

Delta R.T. -0.01 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

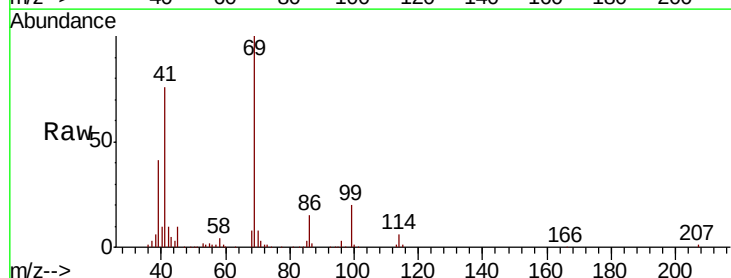
Tgt Ion: 69 Resp: 116449

Ion Ratio Lower Upper

69 100

41 76.3 59.0 88.6

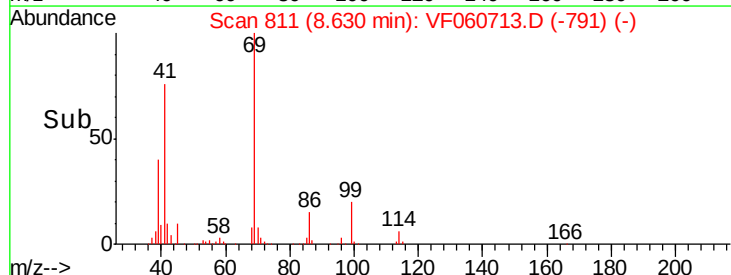
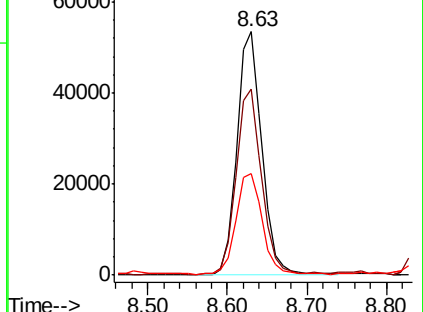
39 41.5 34.0 51.0

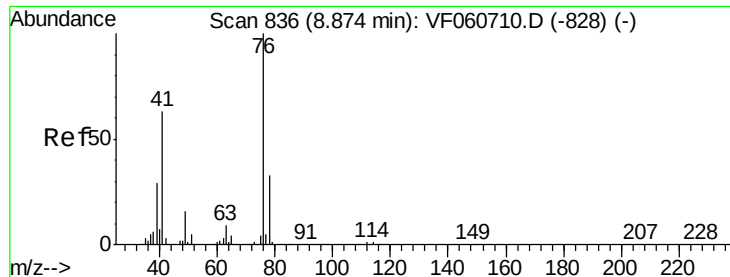


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 49.660 ug/l

RT: 8.86 min Scan# 834

Delta R.T. -0.02 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA\_F

ClientSampleId :

ICVVF111318

Tot Ion: 76 Resp: 171641

Ion Ratio Lower Upper

76 100

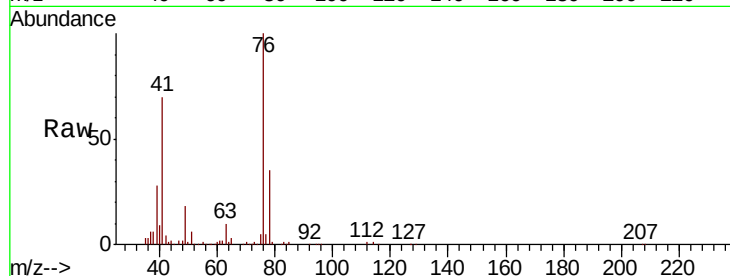
78 34.9 26.6 39.8

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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

8.86

80000

60000

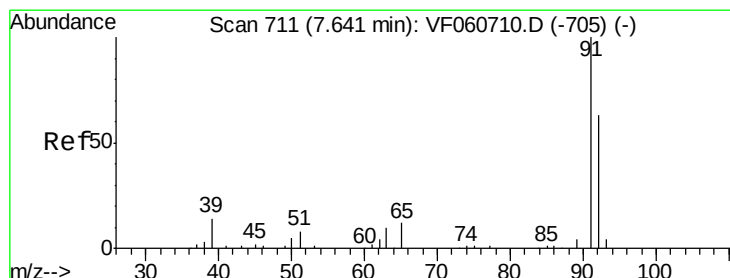
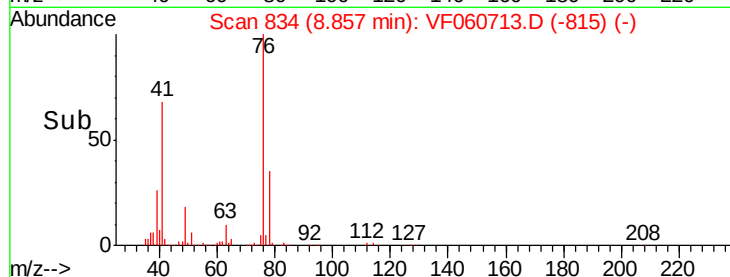
40000

20000

0

Time-->

8.70 8.80 8.90 9.00



#58

2-Chloroethyl Vinyl ether

Concen: 236.382 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.01 min

Lab File: VF060713.D

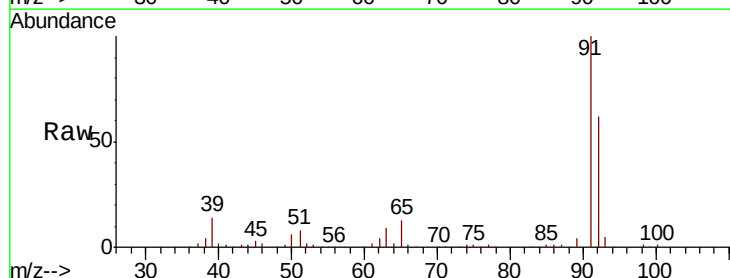
Acq: 13 Nov 2018 14:53

Tgt Ion: 63 Resp: 48908

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

7.63

20000

15000

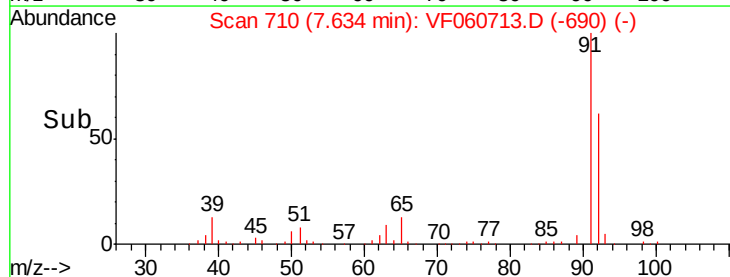
10000

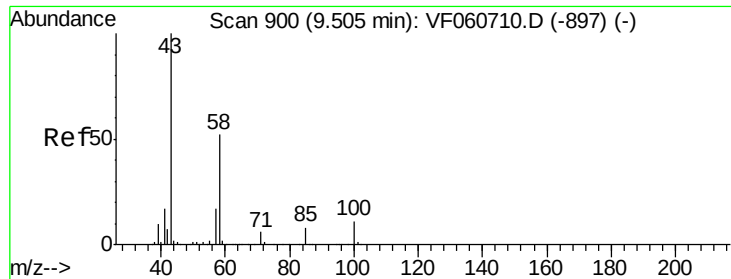
5000

0

Time-->

7.50 7.60 7.70 7.80





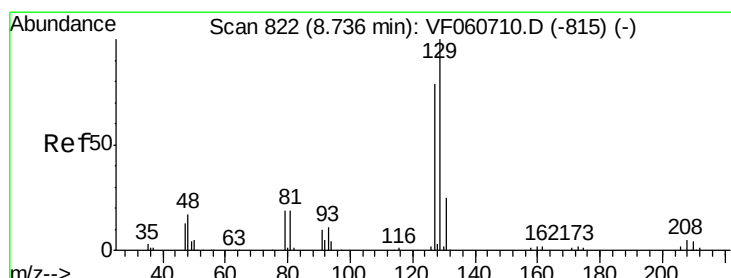
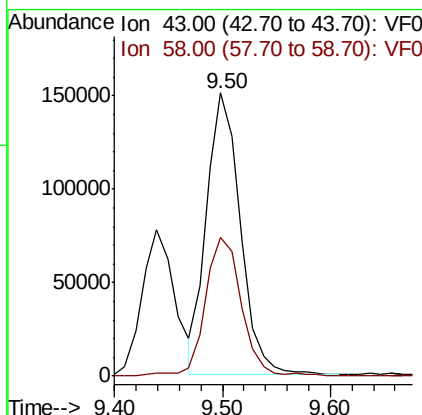
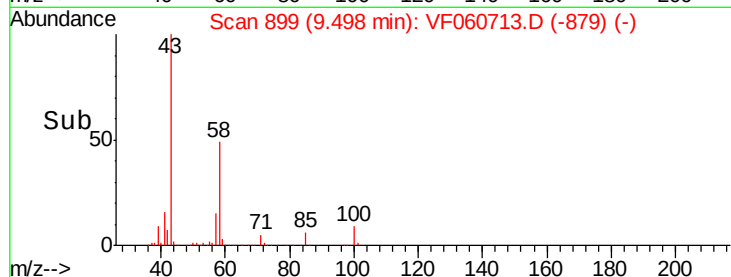
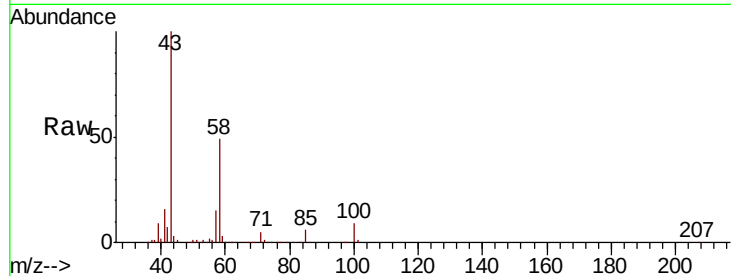
#59  
2-Hexanone  
Concen: 279.138 ug/l  
RT: 9.50 min Scan# 899  
Delta R.T. -0.01 min  
Lab File: VF060713.D  
Acq: 13 Nov 2018 14:53

Instrument :  
MSVOA\_F  
ClientSampleId :  
ICVVF111318

Tot Ion: 43 Resp: 326793  
Ion Ratio Lower Upper  
43 100  
58 49.2 24.9 74.7

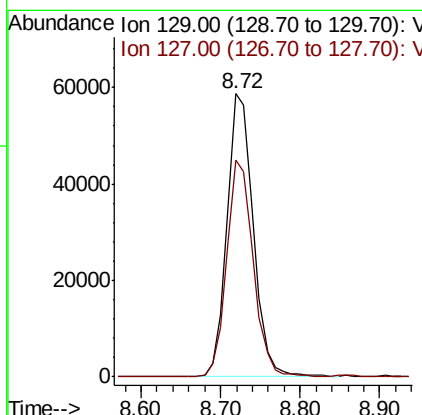
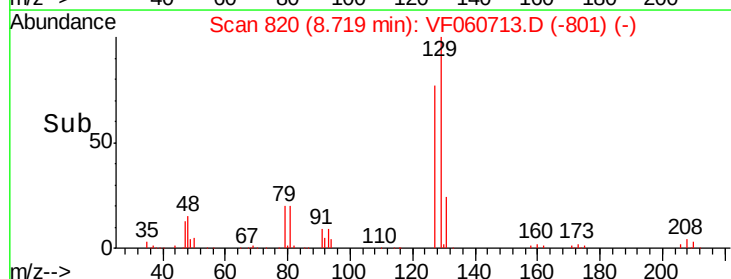
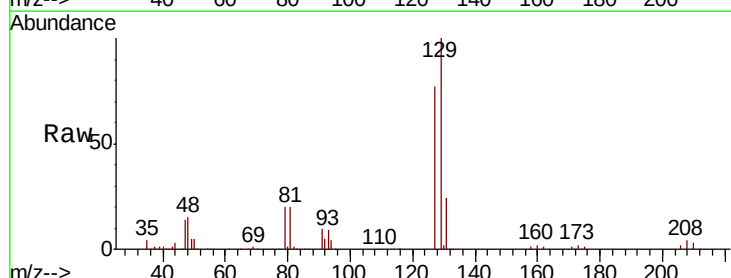
Manual Integrations  
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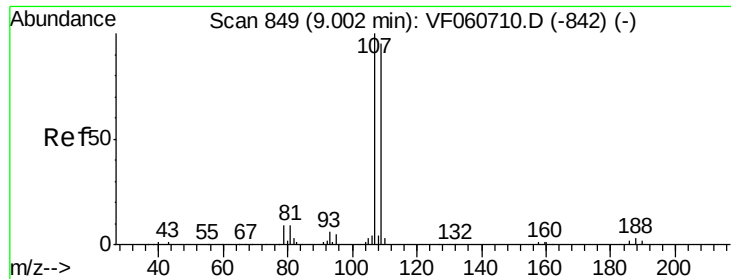
MMDadoda  
11/14/2018 12:55:33 PM



#60  
Dibromochloromethane  
Concen: 48.101 ug/l  
RT: 8.72 min Scan# 820  
Delta R.T. -0.02 min  
Lab File: VF060713.D  
Acq: 13 Nov 2018 14:53

Tgt Ion: 129 Resp: 136718  
Ion Ratio Lower Upper  
129 100  
127 76.6 39.7 119.1





#61

1,2-Dibromoethane

Concen: 50.298 ug/l

RT: 9.00 min Scan# 848

Delta R.T. -0.01 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA\_F

ClientSampleId :

ICVVF111318

Tot Ion:107 Resp: 105496

Ion Ratio Lower Upper

107 100

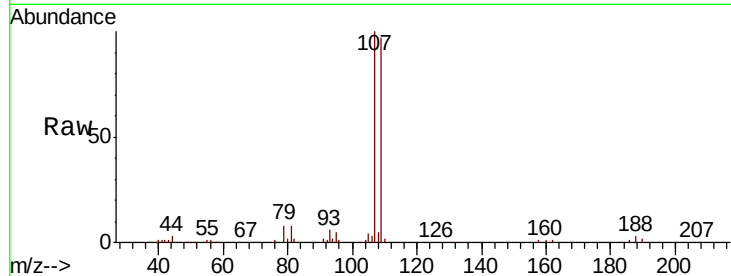
109 97.2 75.9 113.9

Manual Integrations

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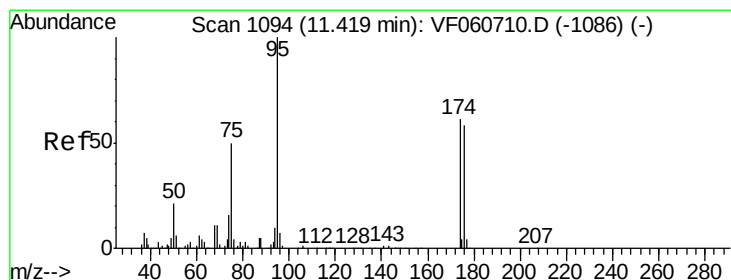
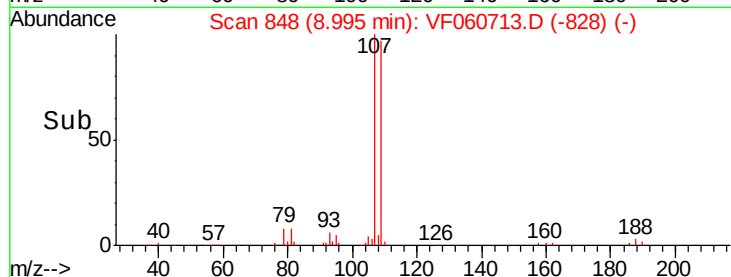
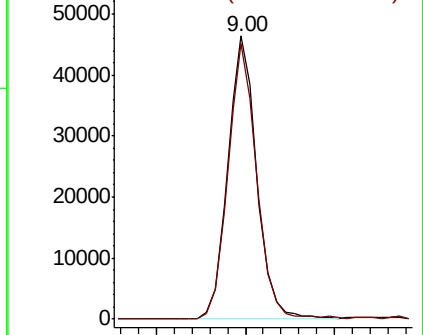
MMDadoda

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 53.451 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

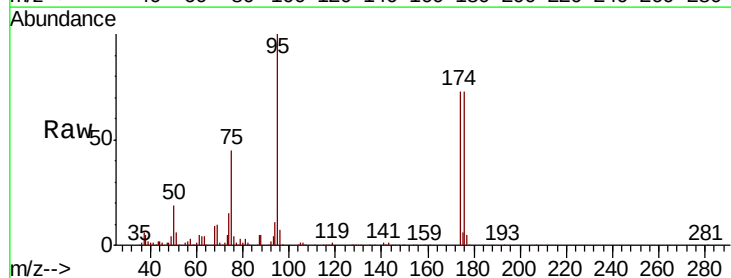
Tgt Ion: 95 Resp: 190566

Ion Ratio Lower Upper

95 100

174 73.1 0.0 121.6

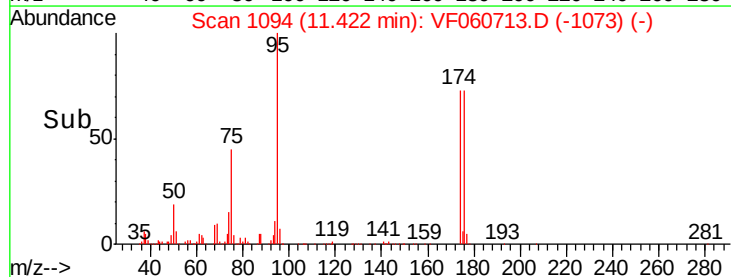
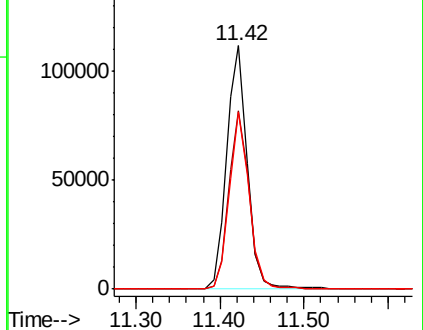
176 72.6 0.0 115.2

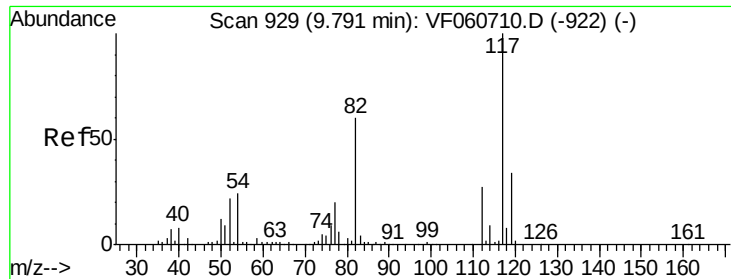


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





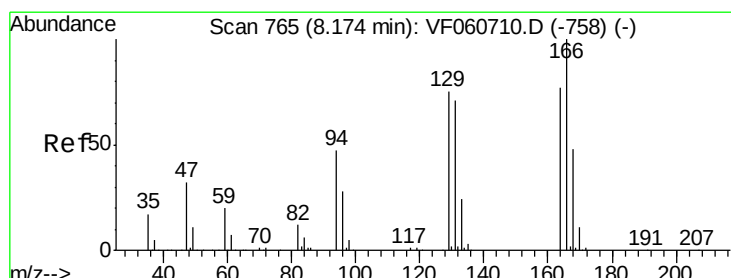
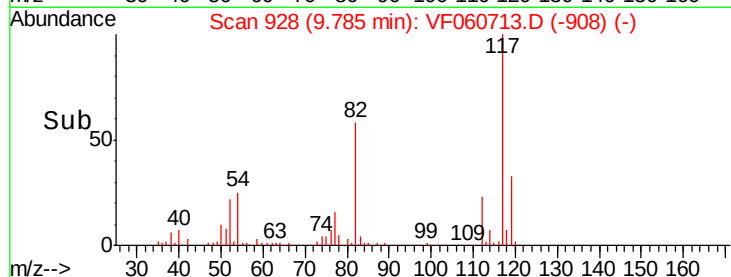
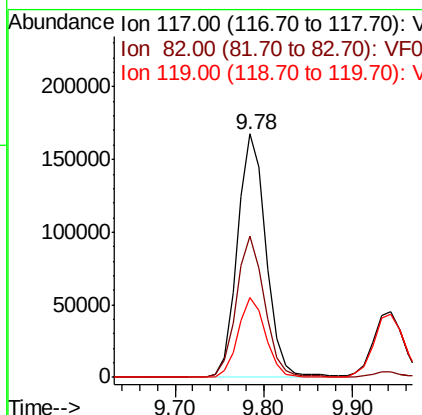
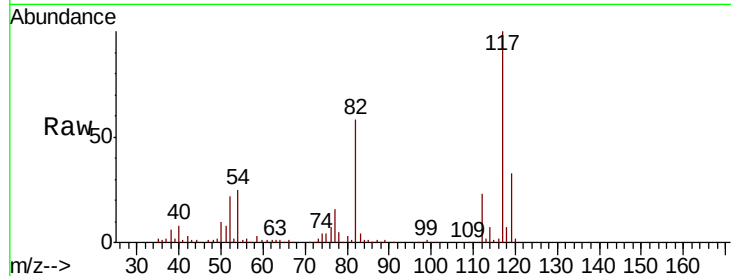
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.78 min Scan# 928  
Delta R.T. -0.01 min  
Lab File: VF060713.D  
Acq: 13 Nov 2018 14:53

Instrument :  
MSVOA\_F  
ClientSampleId :  
ICVVF111318

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 58.1  | 47.9  | 71.9  |
| 119     | 32.6  | 26.8  | 40.2  |

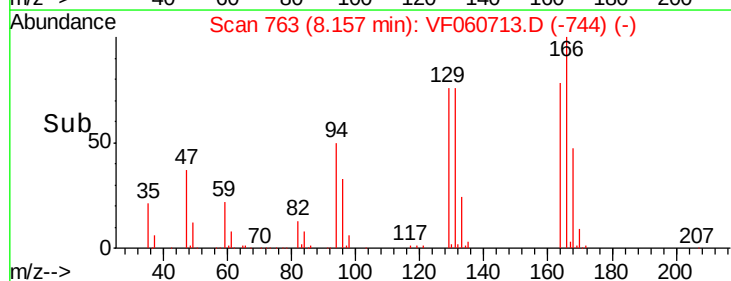
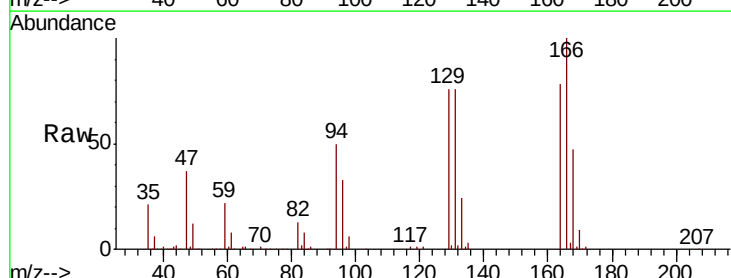
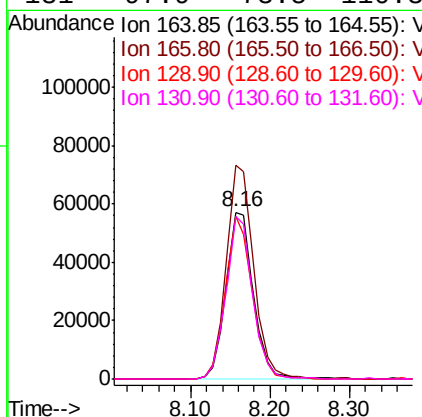
Manual Integrations  
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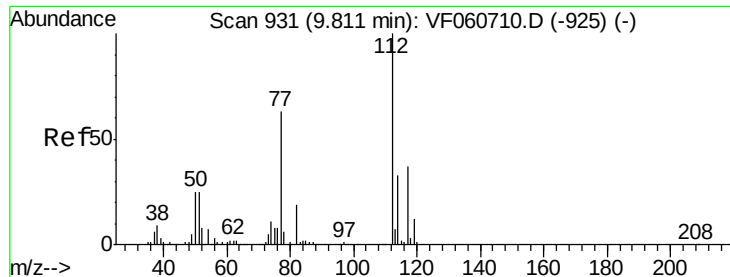
MMDadoda  
11/14/2018 12:55:33 PM



#64  
Tetrachloroethene  
Concen: 46.906 ug/l  
RT: 8.16 min Scan# 763  
Delta R.T. -0.02 min  
Lab File: VF060713.D  
Acq: 13 Nov 2018 14:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 128.2 | 103.5 | 155.3 |
| 129     | 97.3  | 77.4  | 116.2 |
| 131     | 97.9  | 73.5  | 110.3 |





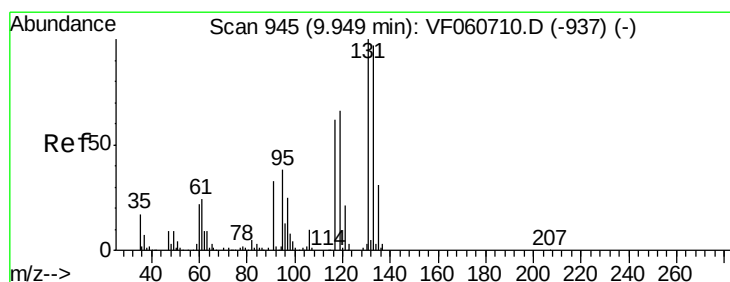
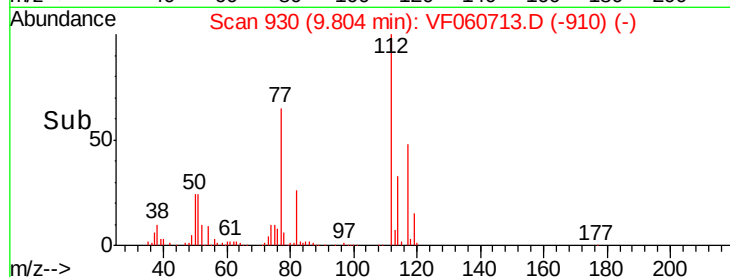
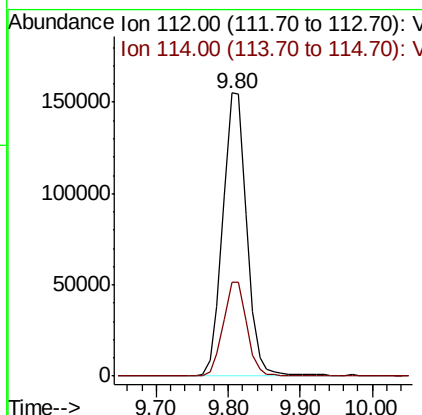
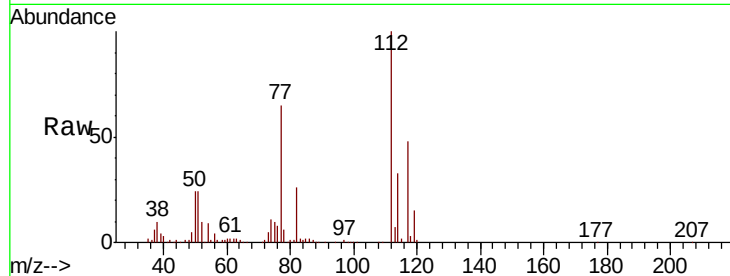
#65  
Chlorobenzene  
Concen: 47.524 ug/l  
RT: 9.80 min Scan# 930  
Delta R.T. -0.01 min  
Lab File: VF060713.D  
Acq: 13 Nov 2018 14:53

Instrument :  
MSVOA\_F  
ClientSampleId :  
ICVVF111318

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 33.0  | 26.1  | 39.1  |

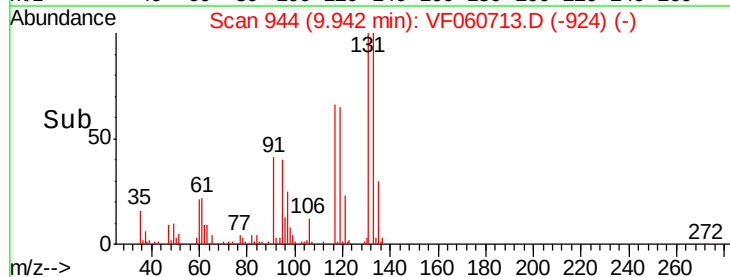
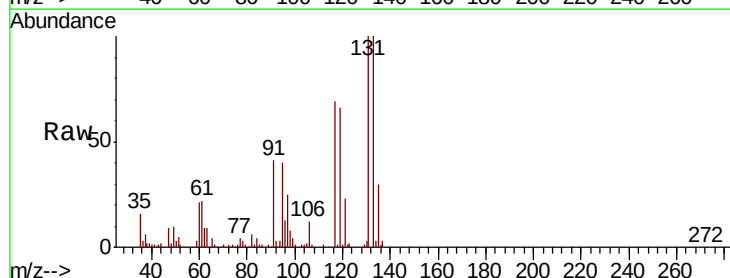
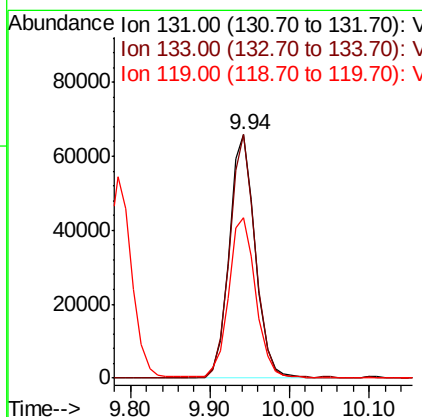
Manual Integrations  
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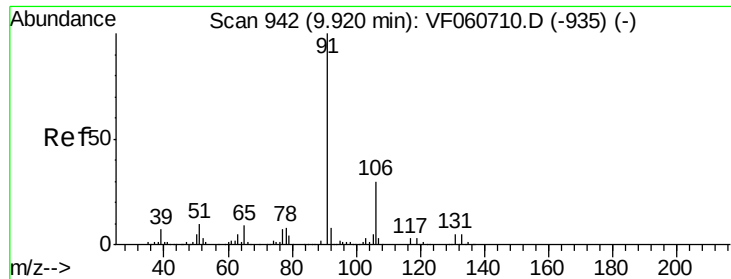
MMDadoda  
11/14/2018 12:55:33 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 45.616 ug/l  
RT: 9.94 min Scan# 944  
Delta R.T. -0.01 min  
Lab File: VF060713.D  
Acq: 13 Nov 2018 14:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 99.9  | 48.3  | 144.8 |
| 119     | 65.9  | 33.2  | 99.6  |





#67

Ethyl Benzene

Concen: 46.028 ug/l

RT: 9.91 min Scan# 941

Delta R.T. -0.01 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA\_F

ClientSampleId :

ICVVF111318

Tot Ion: 91 Resp: 653723

Ion Ratio Lower Upper

91 100

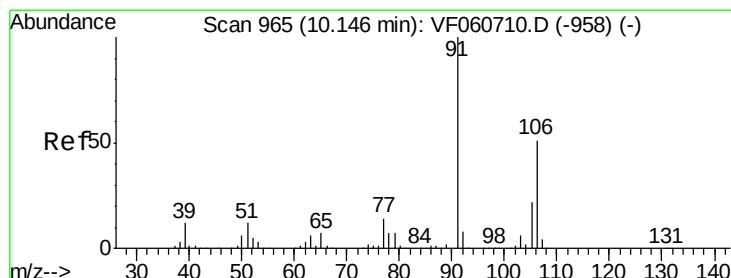
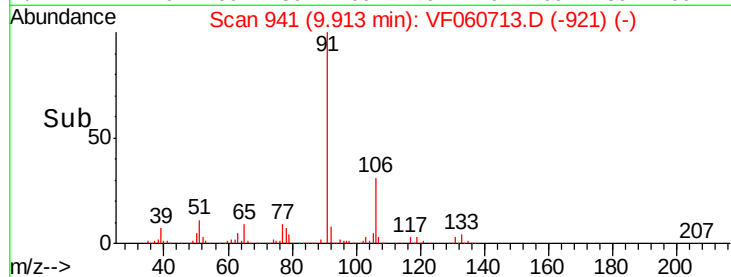
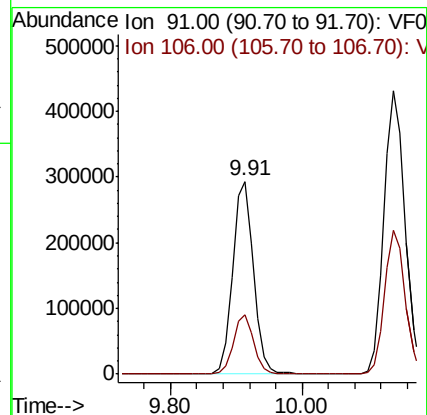
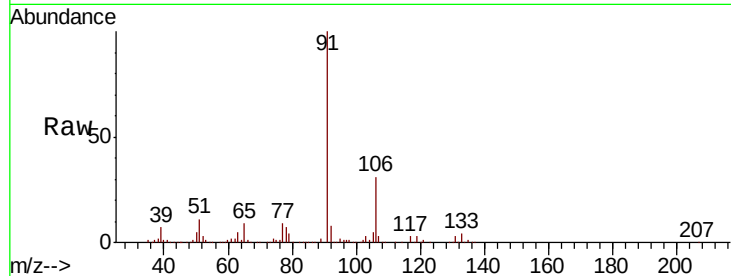
106 30.6 23.9 35.9

Manual Integrations

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11/14/2018 12:55:33 PM



#68

m/p-Xylenes

Concen: 94.169 ug/l

RT: 10.14 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF060713.D

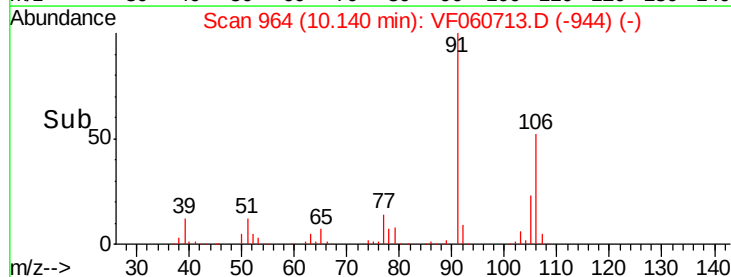
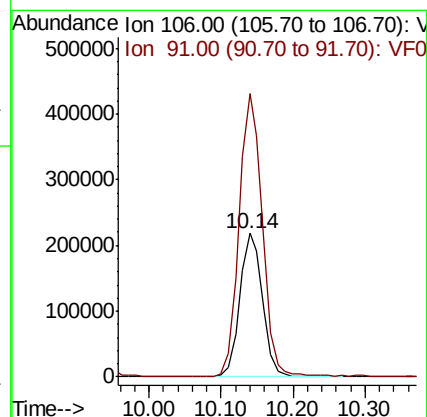
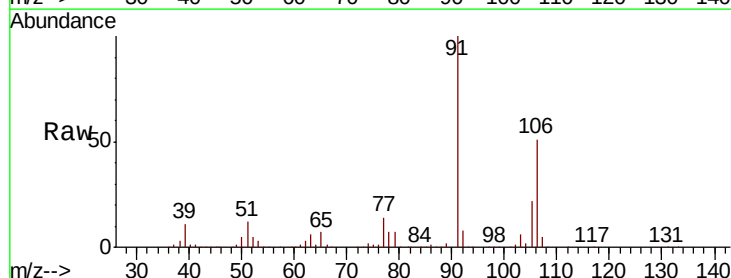
Acq: 13 Nov 2018 14:53

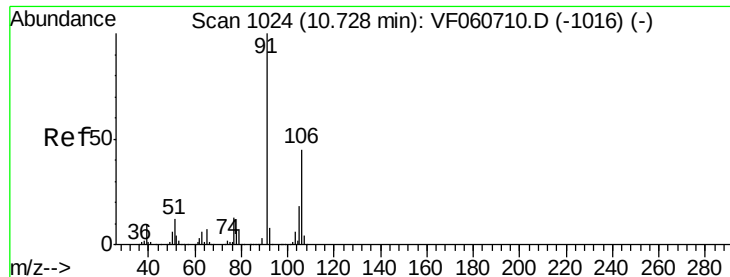
Tgt Ion: 106 Resp: 477967

Ion Ratio Lower Upper

106 100

91 197.3 158.2 237.2





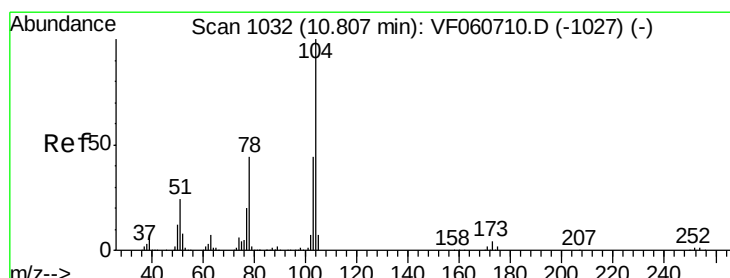
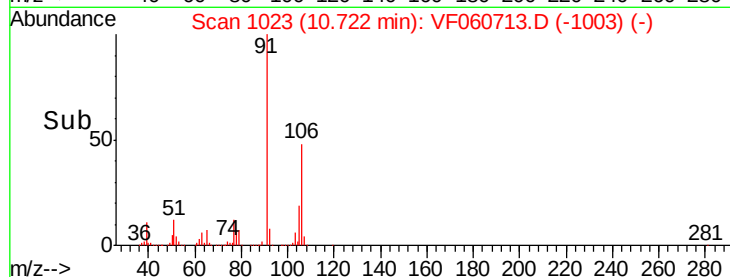
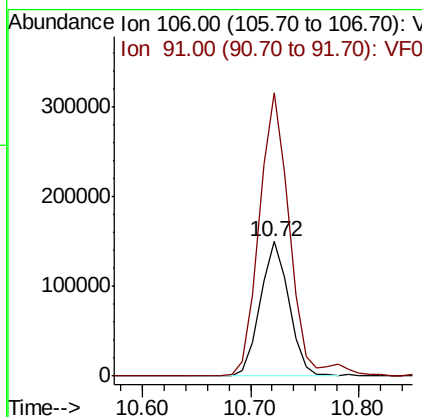
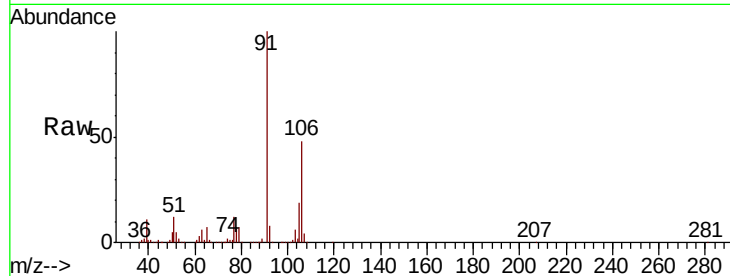
#69  
o-Xylene  
Concen: 48.445 ug/l  
RT: 10.72 min Scan# 1023  
Delta R.T. -0.01 min  
Lab File: VF060713.D  
Acq: 13 Nov 2018 14:53

Instrument :  
MSVOA\_F  
ClientSampleId :  
ICVVF111318

| Tot Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 106     | 106 | 100   | 276448 |       |       |
| 91      | 91  | 210.3 | 110.3  | 330.9 |       |

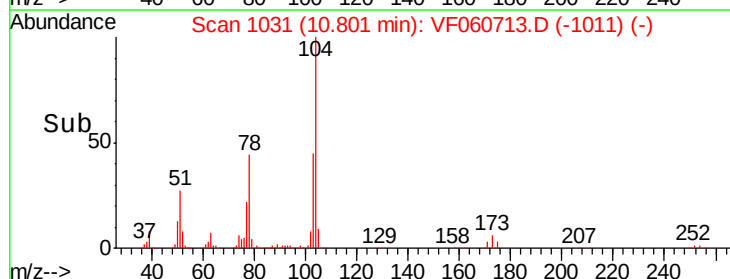
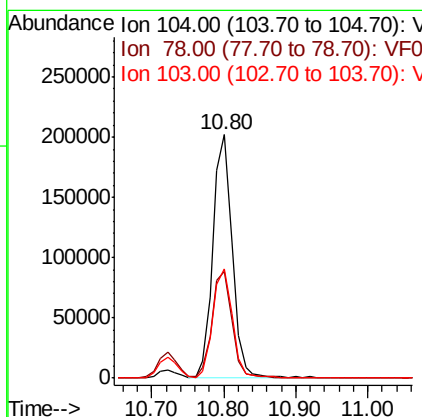
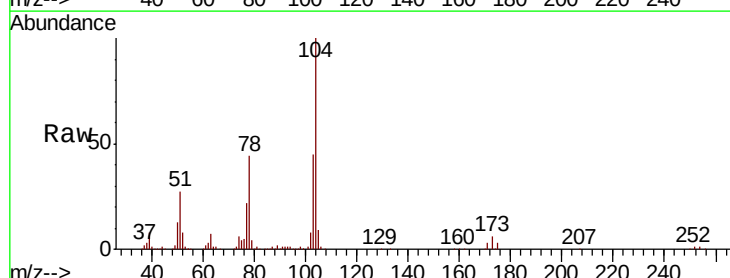
Manual Integrations  
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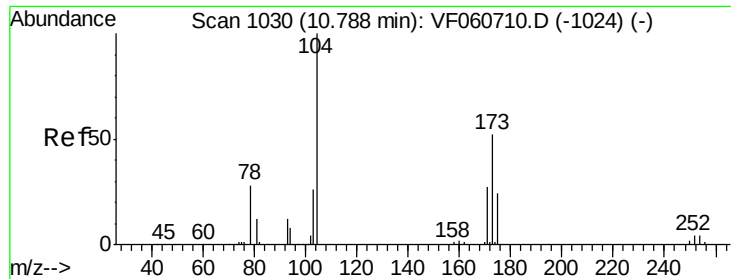


#70  
Styrene  
Concen: 47.607 ug/l  
RT: 10.80 min Scan# 1031  
Delta R.T. -0.01 min  
Lab File: VF060713.D  
Acq: 13 Nov 2018 14:53

| Tgt Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 104     | 104 | 100   | 368689 |       |       |
| 78      | 78  | 44.0  | 35.4   | 53.2  |       |
| 103     | 103 | 44.9  | 35.8   | 53.6  |       |







#71

Bromoform

Concen: 48.181 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA\_F

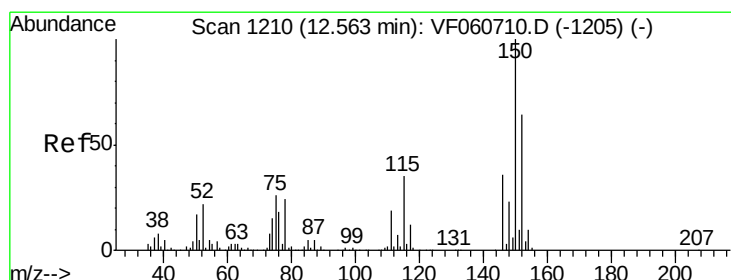
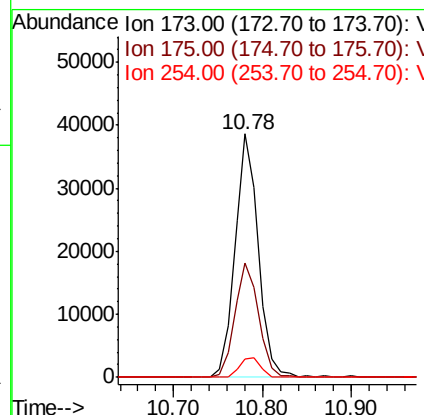
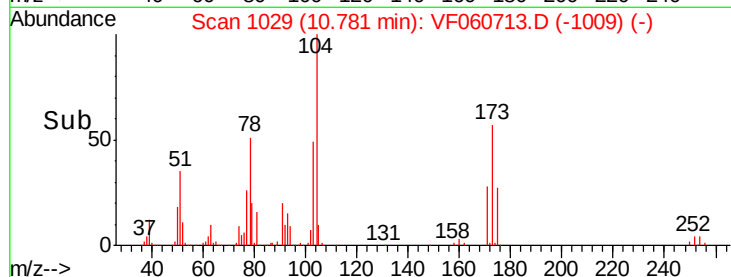
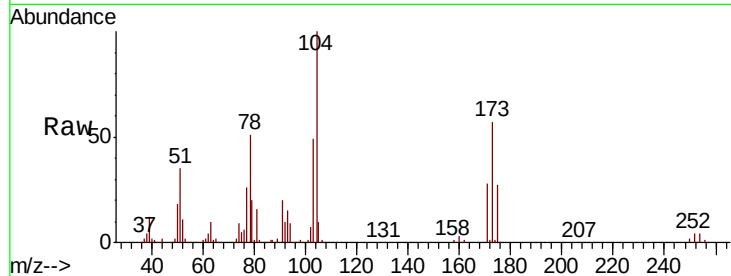
ClientSampleId :

ICVVF111318

Tot Ion:173 Resp: 71204  
 Ion Ratio Lower Upper  
 173 100  
 175 47.1 23.4 70.0  
 254 7.5 5.8 8.8

Manual Integrations  
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

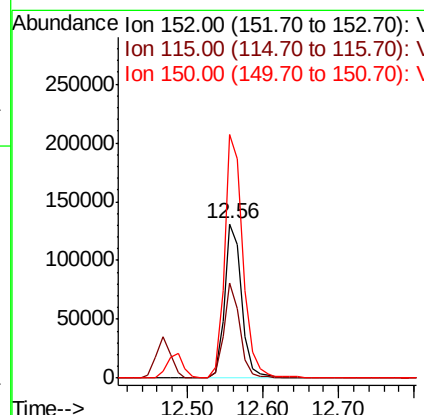
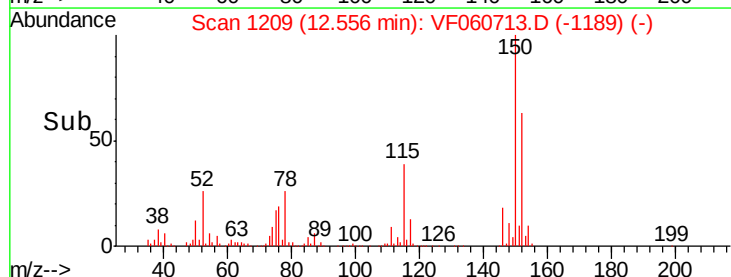
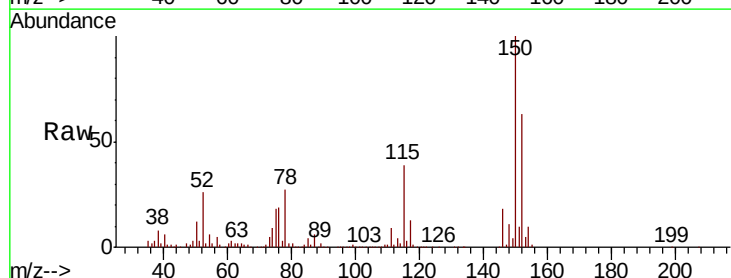
RT: 12.56 min Scan# 1209

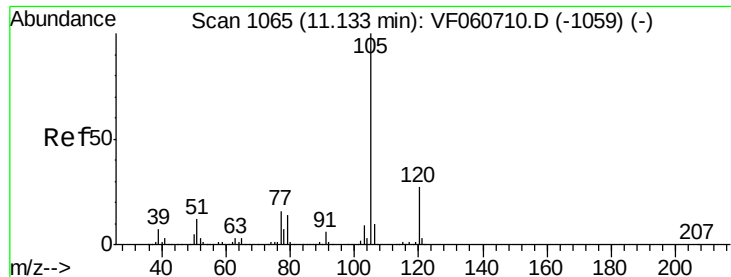
Delta R.T. -0.01 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Tgt Ion:152 Resp: 207755  
 Ion Ratio Lower Upper  
 152 100  
 115 61.8 27.9 83.7  
 150 157.8 0.0 316.4





#73

Isopropylbenzene

Concen: 46.492 ug/l

RT: 11.14 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA\_F

ClientSampleId :

ICVVF111318

Tot Ion:105 Resp: 777472

Ion Ratio Lower Upper

105 100

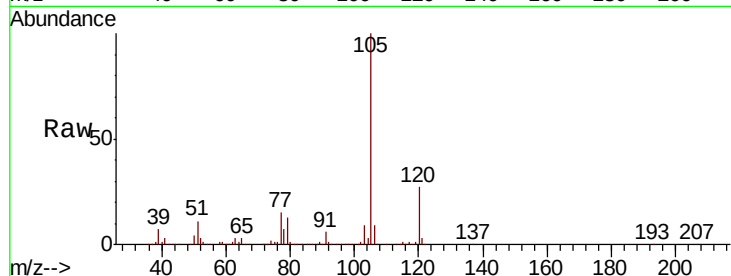
120 26.6 13.4 40.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

500000

400000

300000

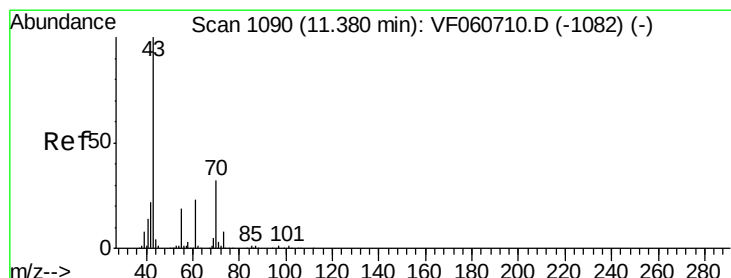
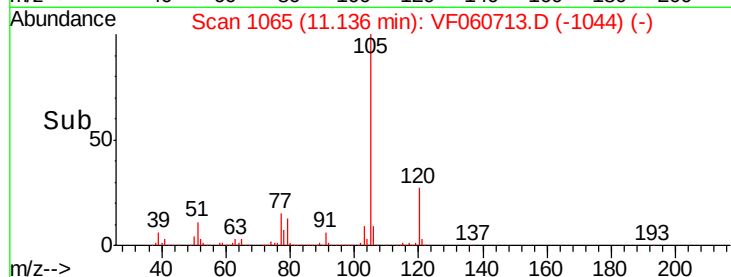
200000

100000

0

11.00 11.10 11.20

Time-->



#74

N-ethyl acetate

Concen: 54.386 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Tgt Ion: 43 Resp: 207043

Ion Ratio Lower Upper

43 100

70 39.4 25.5 38.3#

55 20.9 14.9 22.3

61 27.2 18.6 27.8

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

150000

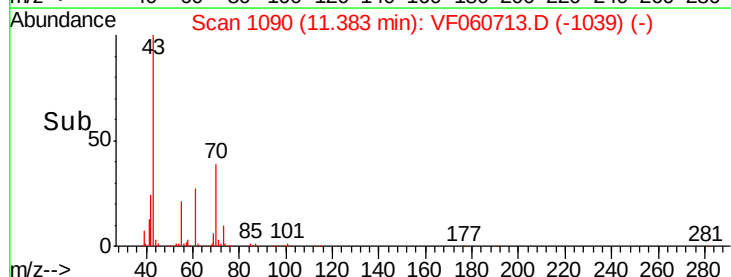
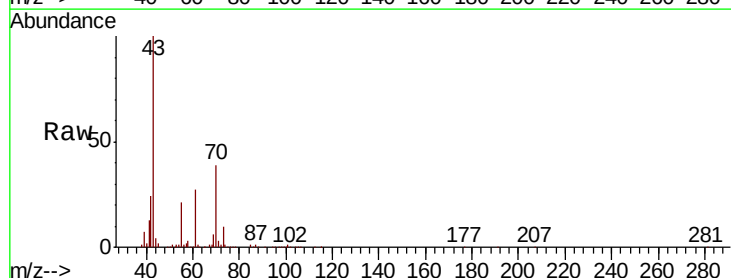
100000

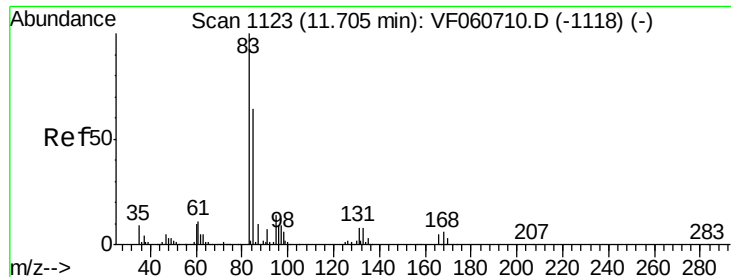
50000

0

11.30 11.40 11.50

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 48.288 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA\_F

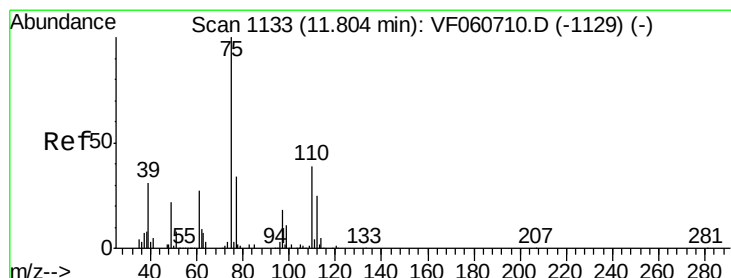
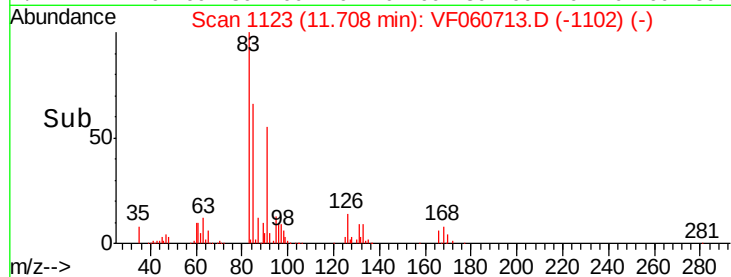
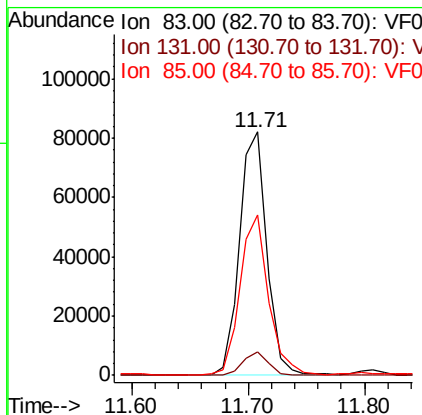
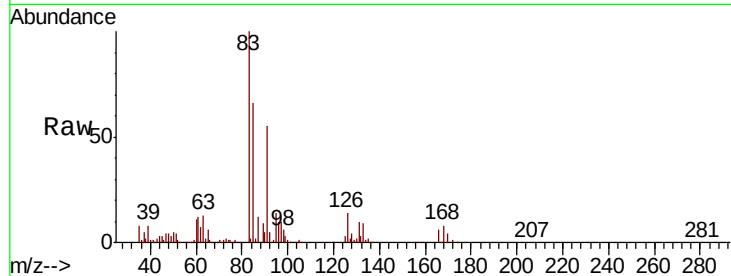
ClientSampleId :

ICVVF111318

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 133505 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 9.6   | 4.2   | 12.4   |
| 85        | 65.8  | 32.0  | 96.2   |

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#76

1,2,3-Trichloropropane

Concen: 44.643 ug/l

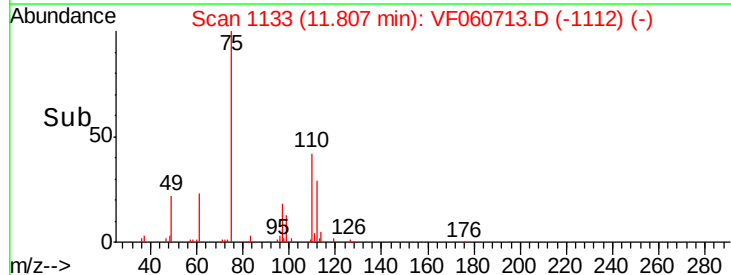
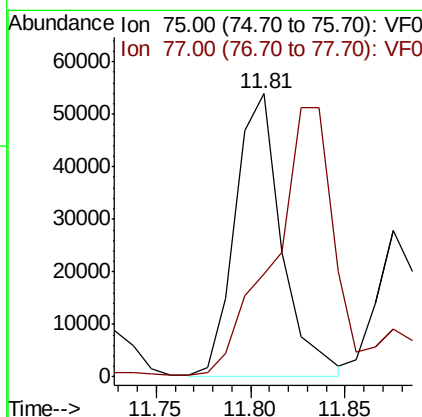
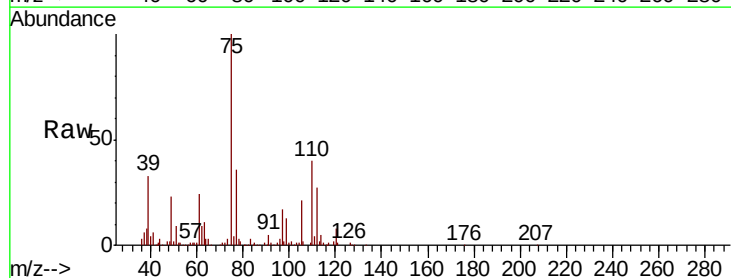
RT: 11.81 min Scan# 1133

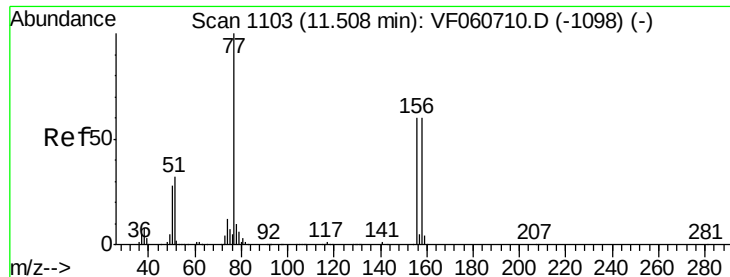
Delta R.T. 0.00 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 91667 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 36.3  | 17.0  | 51.0  |





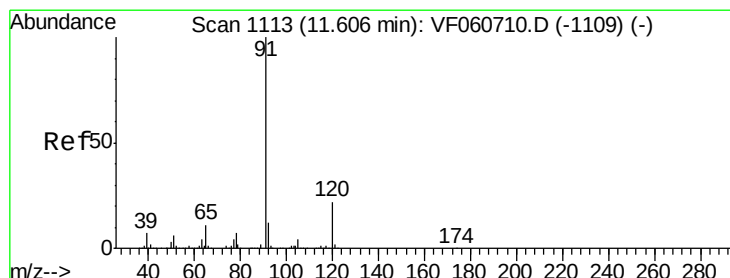
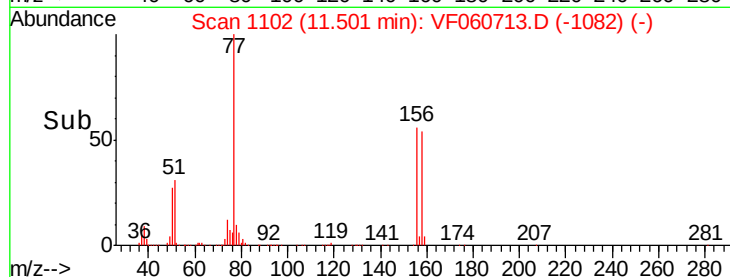
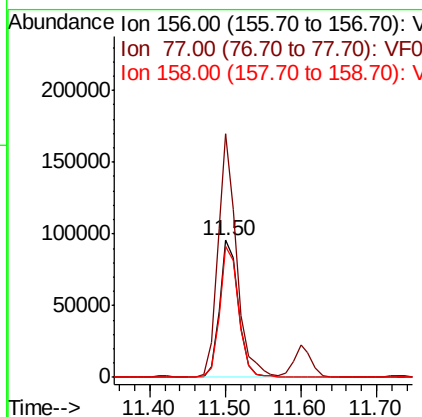
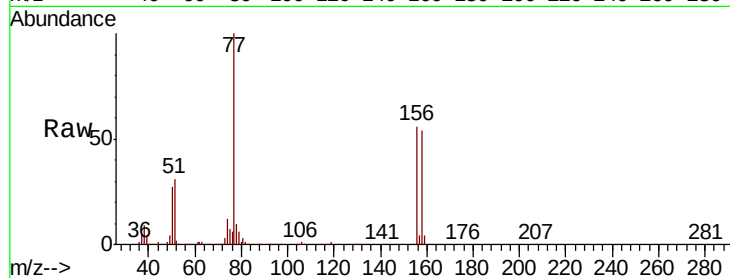
#77  
Bromobenzene  
Concen: 47.944 ug/l  
RT: 11.50 min Scan# 1102  
Delta R.T. -0.01 min  
Lab File: VF060713.D  
Acq: 13 Nov 2018 14:53

Instrument :  
MSVOA\_F  
ClientSampleId :  
ICVVF111318

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 156     | 100   |       | 166890 |       |       |
| 77      | 177.7 | 83.0  | 248.9  |       |       |
| 158     | 95.8  | 49.6  | 149.0  |       |       |

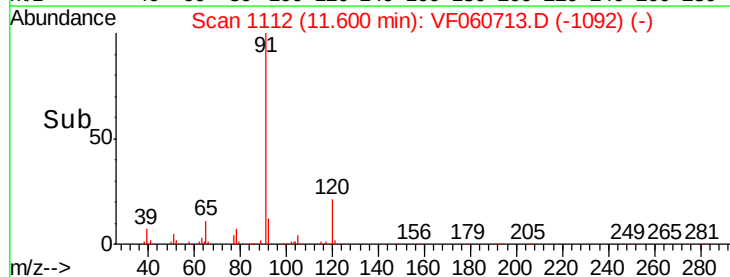
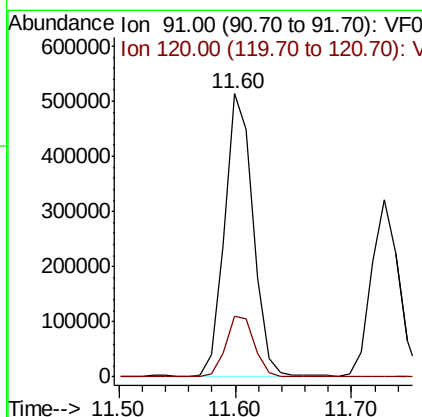
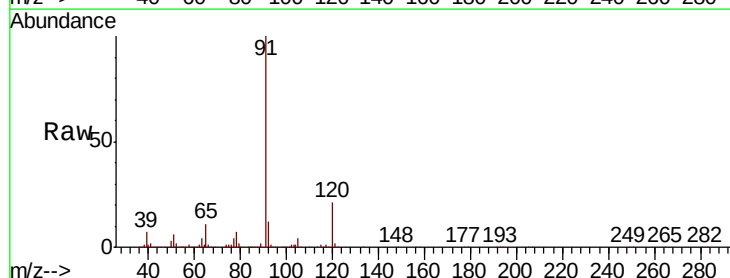
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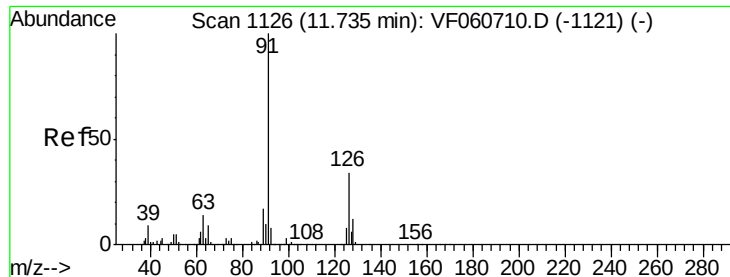
MMDadoda  
11/14/2018 12:55:33 PM



#78  
n-propylbenzene  
Concen: 44.644 ug/l  
RT: 11.60 min Scan# 1112  
Delta R.T. -0.01 min  
Lab File: VF060713.D  
Acq: 13 Nov 2018 14:53

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 91      | 100  |       | 870723 |       |       |
| 120     | 21.2 | 11.2  | 33.5   |       |       |





#79

2-Chlorotoluene

Concen: 45.520 ug/l

RT: 11.73 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA\_F

ClientSampleId :

ICVVF111318

Tot Ion: 91 Resp: 516000

Ion Ratio Lower Upper

91 100

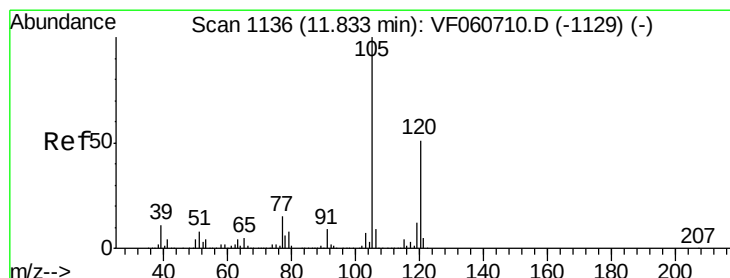
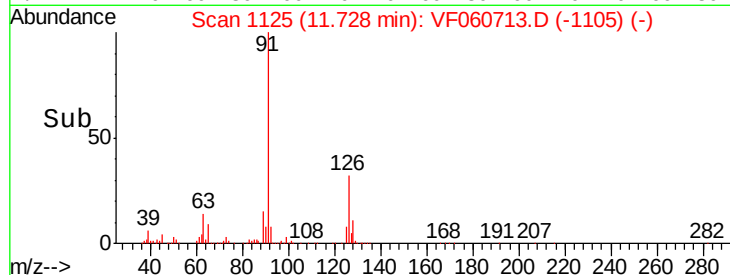
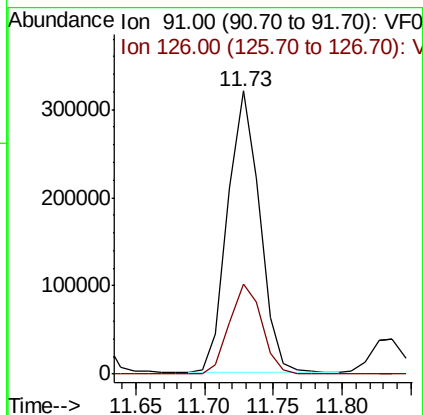
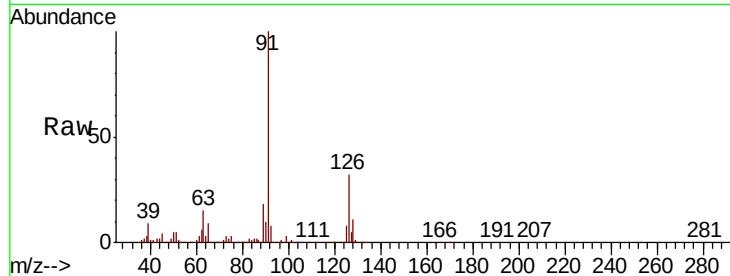
126 32.0 16.8 50.4

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#80

1,3,5-Trimethylbenzene

Concen: 45.934 ug/l

RT: 11.84 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VF060713.D

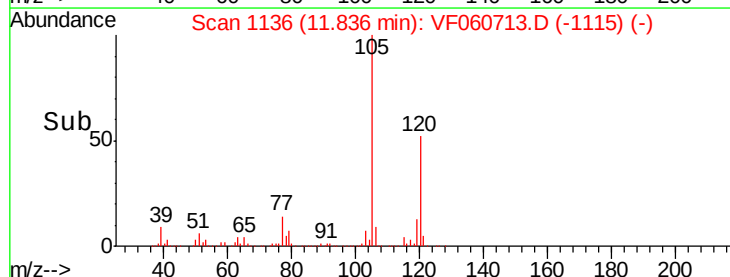
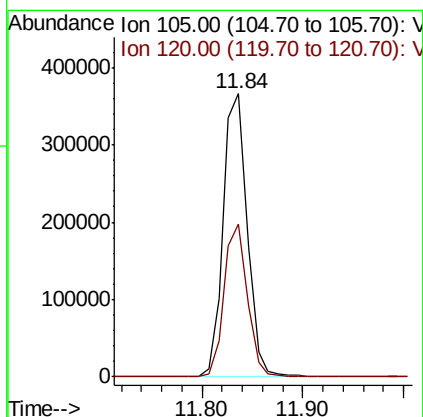
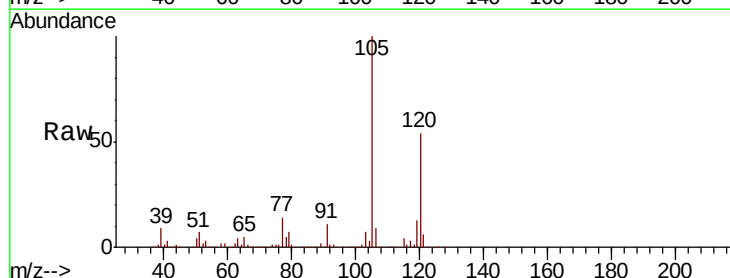
Acq: 13 Nov 2018 14:53

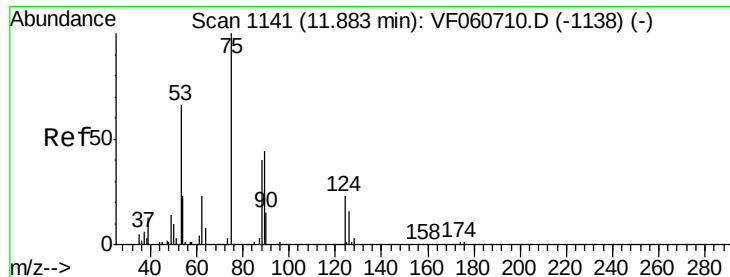
Tgt Ion: 105 Resp: 609842

Ion Ratio Lower Upper

105 100

120 53.9 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 44.341 ug/l

RT: 11.88 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA\_F

ClientSampleId :

ICVVF111318

Tot Ion: 75 Resp: 44730

Ion Ratio Lower Upper

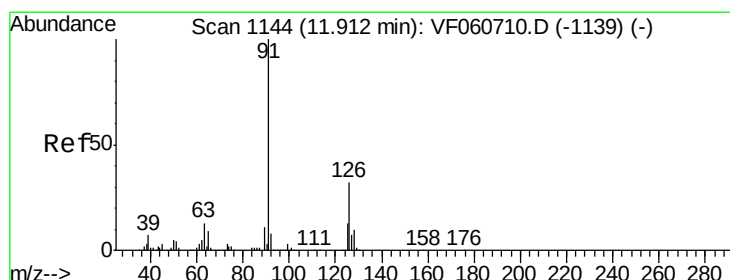
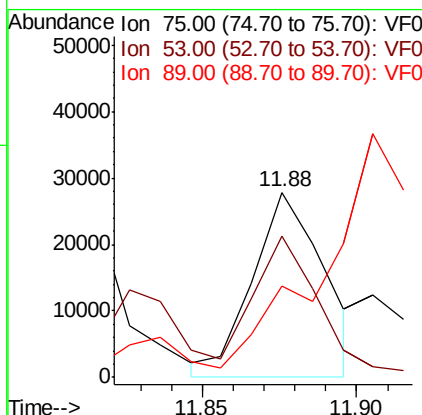
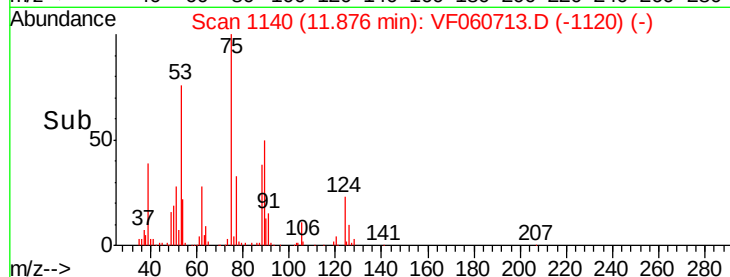
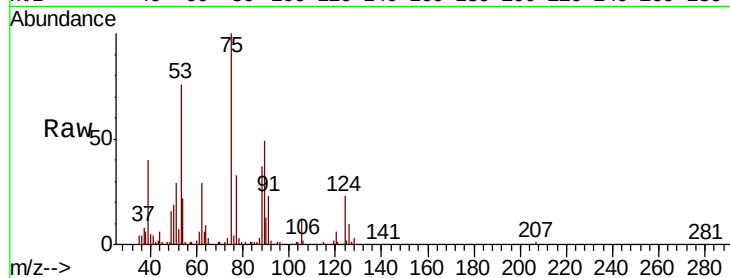
75 100

53 76.0 57.0 85.4

89 49.4 37.8 56.8

Manual Integrations  
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#82

4-Chlorotoluene

Concen: 45.261 ug/l

RT: 11.91 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VF060713.D

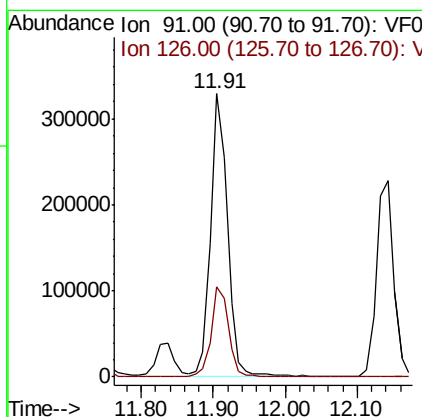
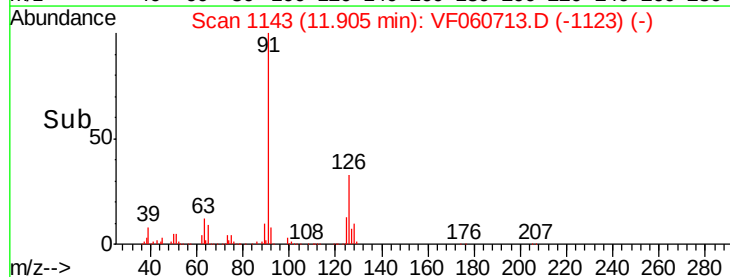
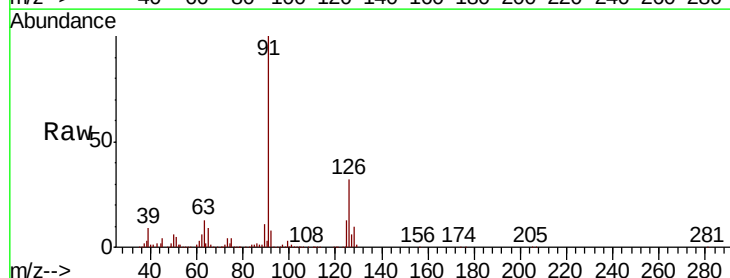
Acq: 13 Nov 2018 14:53

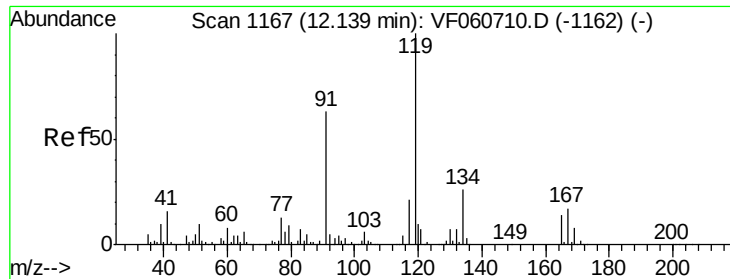
Tgt Ion: 91 Resp: 525608

Ion Ratio Lower Upper

91 100

126 31.9 16.0 47.9





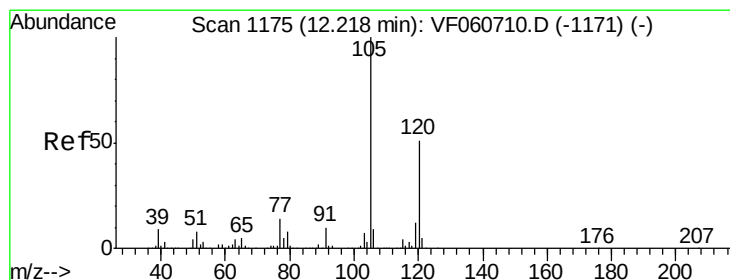
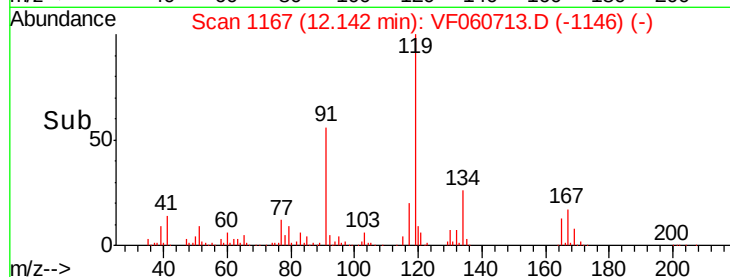
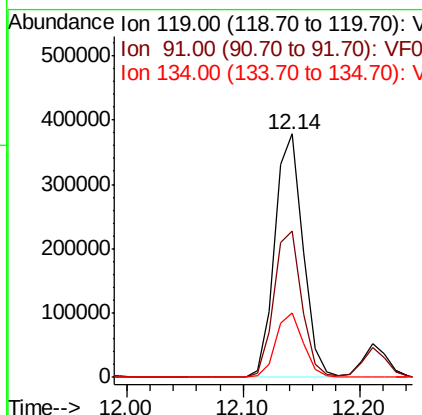
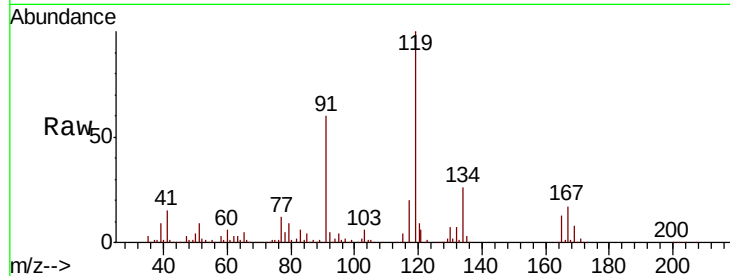
#83  
 tert-Butylbenzene  
 Concen: 44.890 ug/l  
 RT: 12.14 min Scan# 1167  
 Delta R.T. 0.00 min  
 Lab File: VF060713.D  
 Acq: 13 Nov 2018 14:53

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 ICVVF111318

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 60.2  | 31.4  | 94.3  |
| 134     | 26.4  | 12.8  | 38.4  |

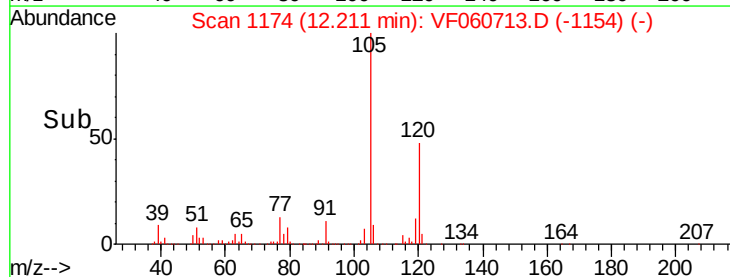
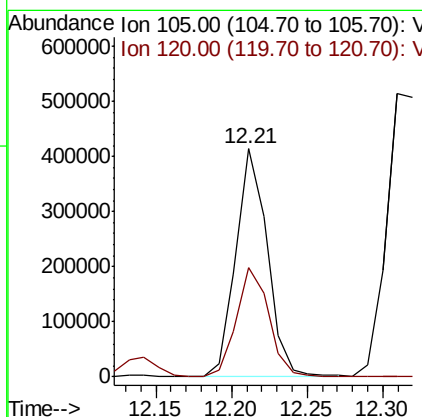
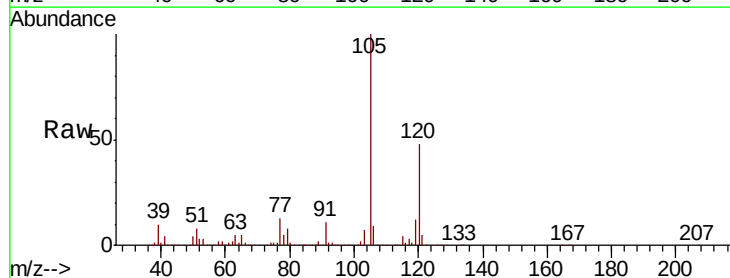
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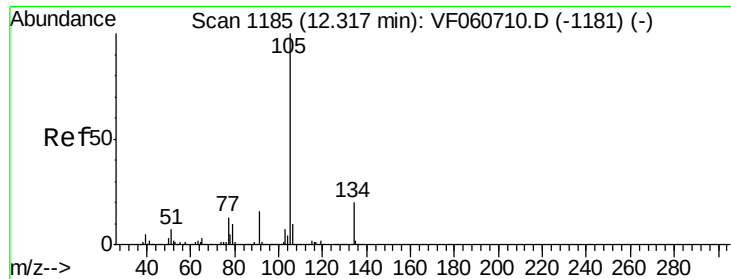
MMDadoda  
 11/14/2018 12:55:33 PM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 43.760 ug/l  
 RT: 12.21 min Scan# 1174  
 Delta R.T. -0.01 min  
 Lab File: VF060713.D  
 Acq: 13 Nov 2018 14:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 47.8  | 25.5  | 76.5  |





#85

sec-Butylbenzene

Concen: 44.934 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. -0.01 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA\_F

ClientSampleId :

ICVVF111318

Tot Ion:105 Resp: 859244

Ion Ratio Lower Upper

105 100

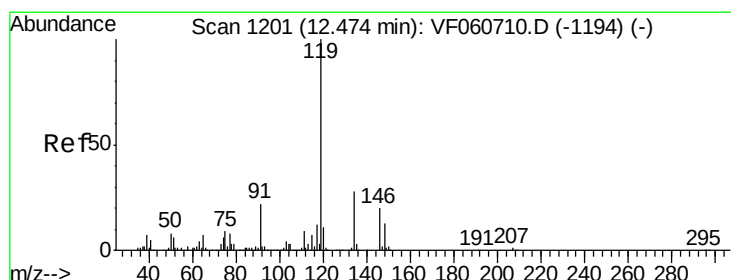
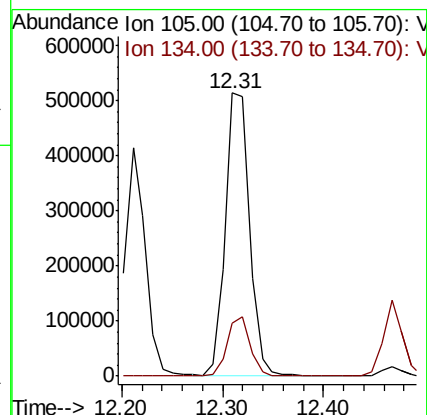
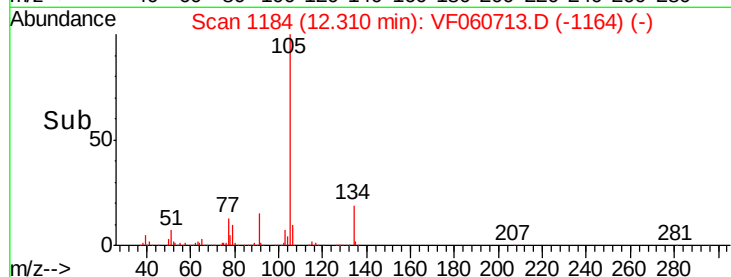
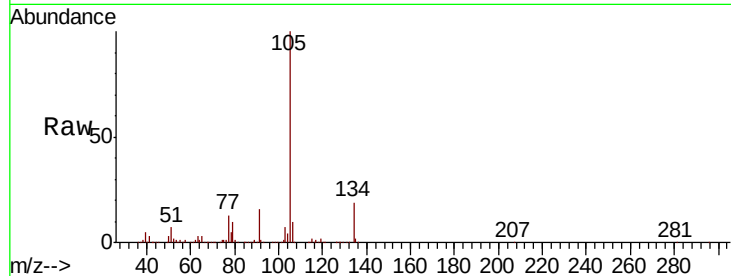
134 18.9 10.1 30.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 43.964 ug/l

RT: 12.47 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

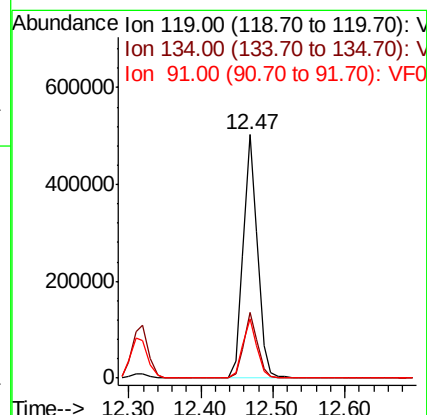
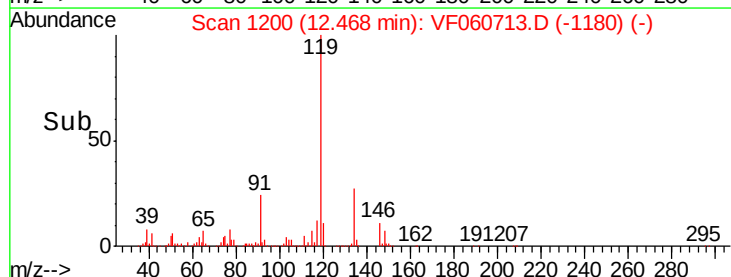
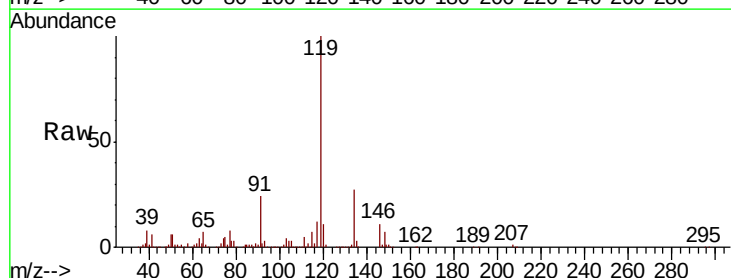
Tgt Ion:119 Resp: 702138

Ion Ratio Lower Upper

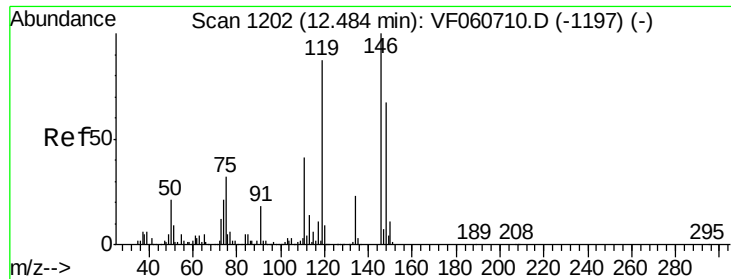
119 100

134 27.2 13.9 41.7

91 24.1 11.3 33.9







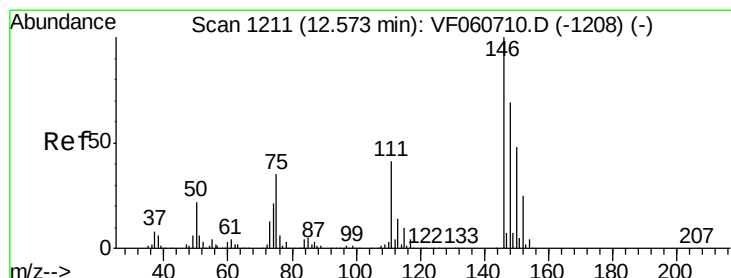
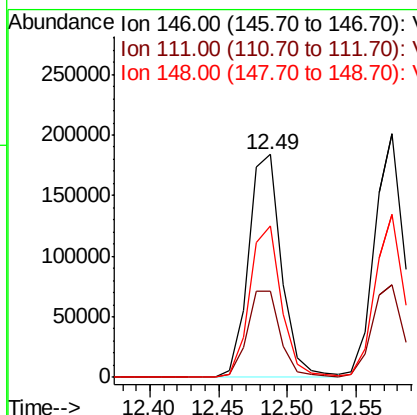
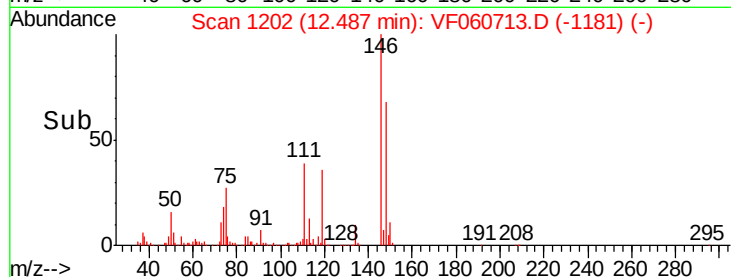
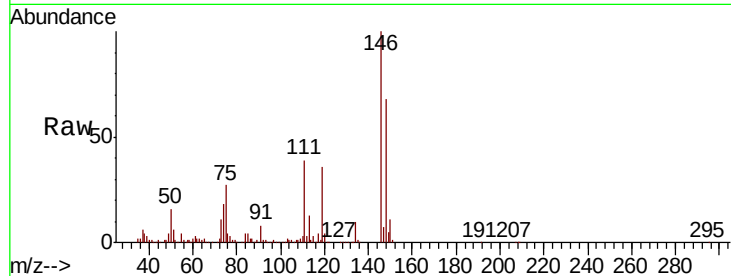
#87  
 1,3-Dichlorobenzene  
 Concen: 44.581 ug/l  
 RT: 12.49 min Scan# 1202  
 Delta R.T. 0.00 min  
 Lab File: VF060713.D  
 Acq: 13 Nov 2018 14:53

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 ICVVF111318

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.9  | 20.3  | 60.8  |
| 148     | 68.0  | 33.3  | 99.9  |

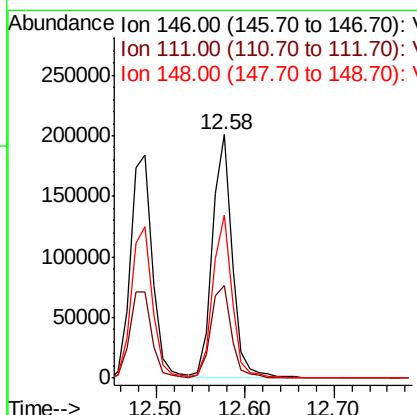
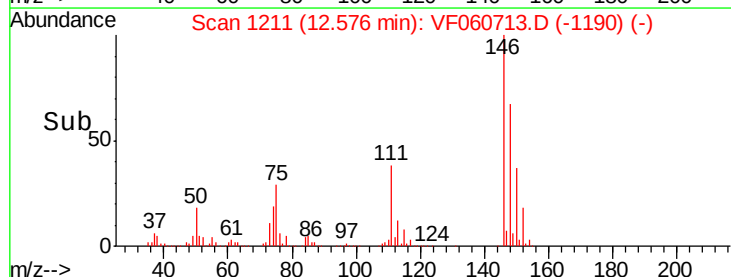
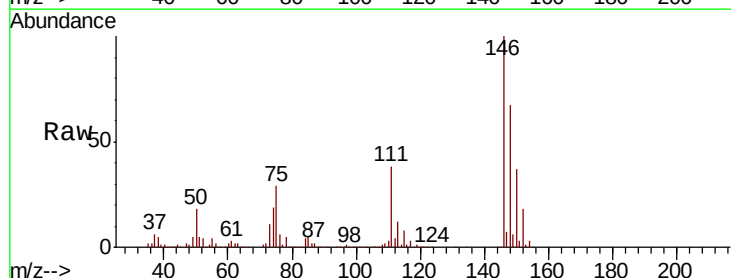
Manual Integrations  
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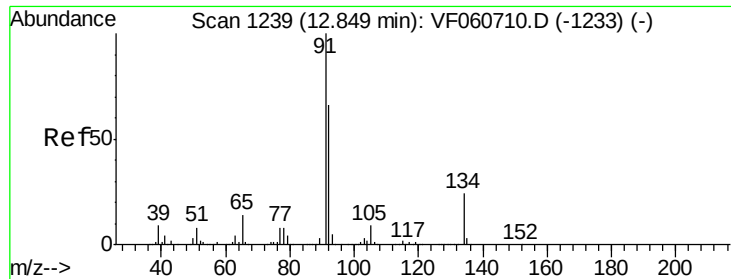
MMDadoda  
 11/14/2018 12:55:33 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 46.516 ug/l  
 RT: 12.58 min Scan# 1211  
 Delta R.T. 0.00 min  
 Lab File: VF060713.D  
 Acq: 13 Nov 2018 14:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.0  | 20.6  | 61.9  |
| 148     | 67.2  | 34.7  | 104.1 |





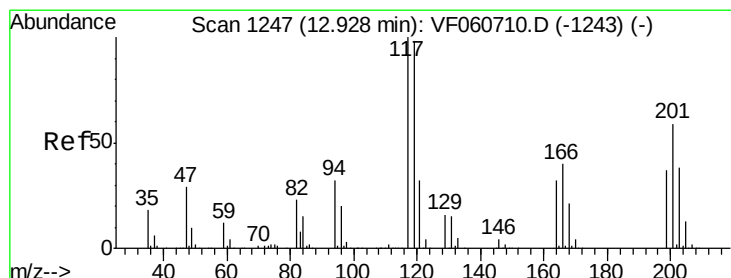
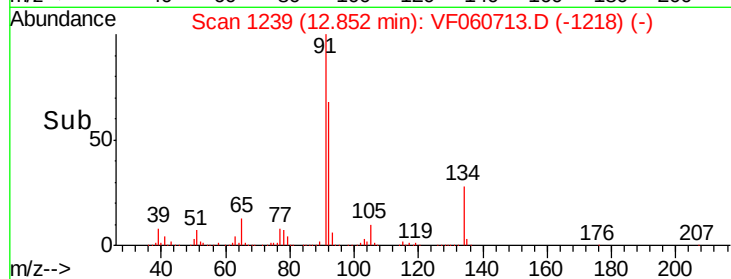
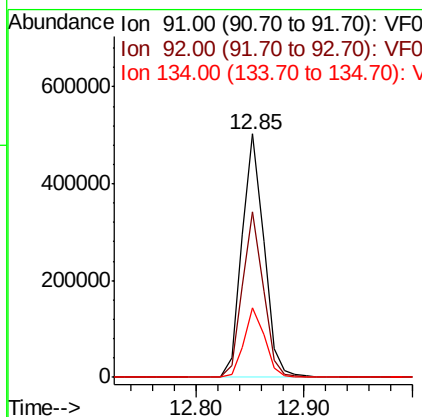
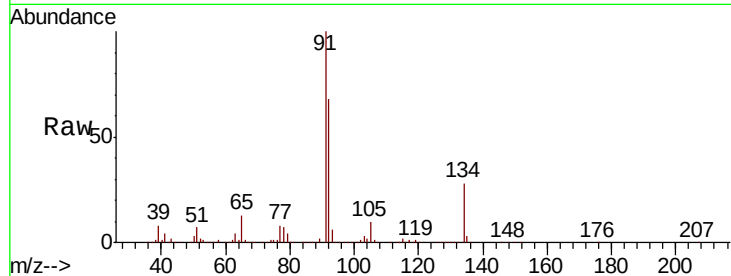
#89  
n-Butylbenzene  
Concen: 43.728 ug/l  
RT: 12.85 min Scan# 1239  
Delta R.T. 0.00 min  
Lab File: VF060713.D  
Acq: 13 Nov 2018 14:53

Instrument :  
MSVOA\_F  
ClientSampleId :  
ICVVF111318

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 91      | 100   | 712694 |       |       |
| 92      | 68.2  | 33.1   | 99.2  |       |
| 134     | 28.5  | 11.9   | 35.9  |       |

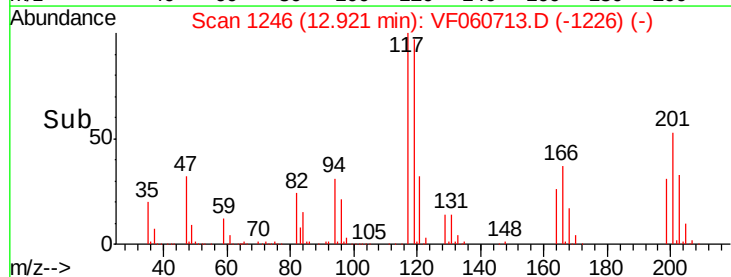
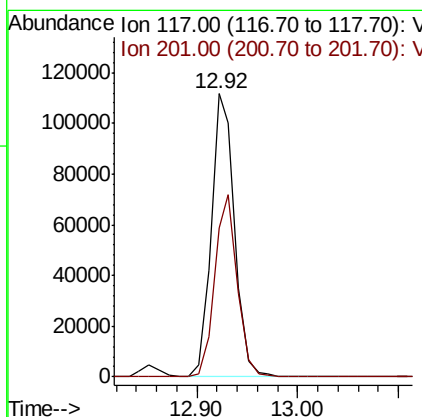
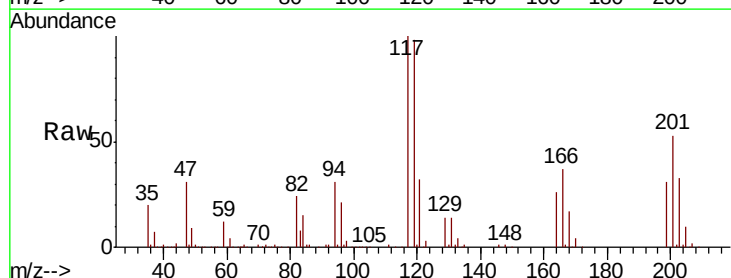
Manual Integrations  
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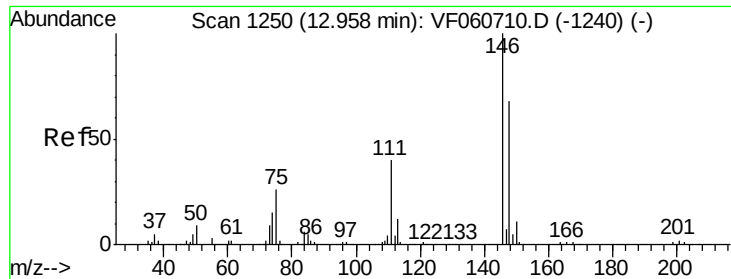
MMDadoda  
11/14/2018 12:55:33 PM



#90  
Hexachloroethane  
Concen: 46.095 ug/l  
RT: 12.92 min Scan# 1246  
Delta R.T. -0.01 min  
Lab File: VF060713.D  
Acq: 13 Nov 2018 14:53

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 180061 |       |       |
| 201     | 52.9  | 29.4   | 88.3  |       |





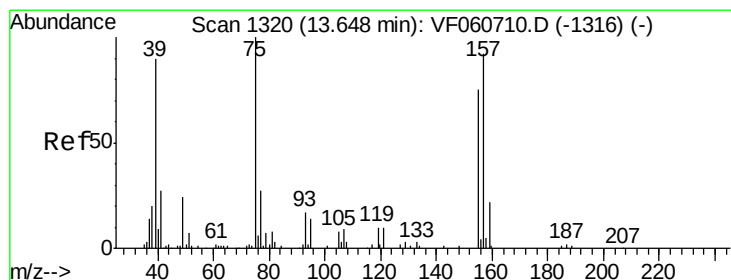
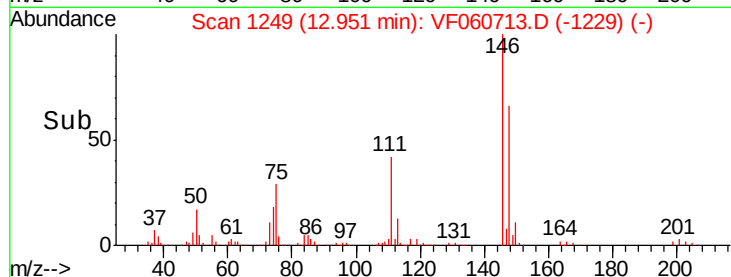
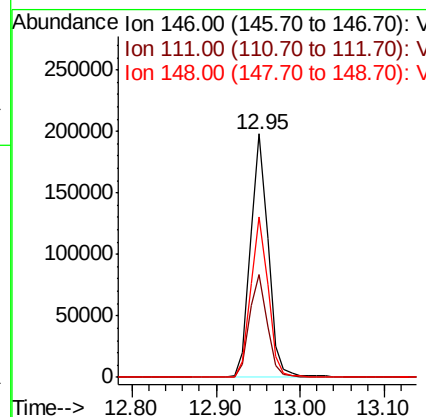
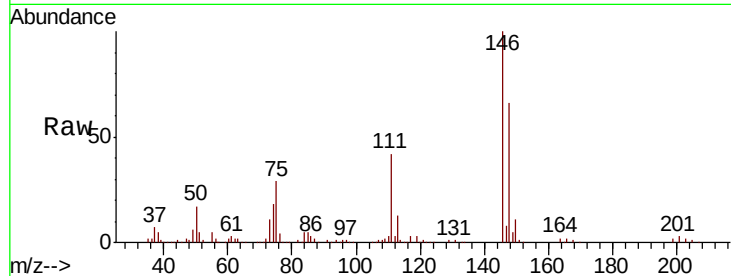
#91  
 1,2-Dichlorobenzene  
 Concen: 44.454 ug/l  
 RT: 12.95 min Scan# 1249  
 Delta R.T. -0.01 min  
 Lab File: VF060713.D  
 Acq: 13 Nov 2018 14:53

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 ICVVF111318

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.0  | 20.3  | 60.8  |
| 148     | 66.1  | 34.1  | 102.3 |

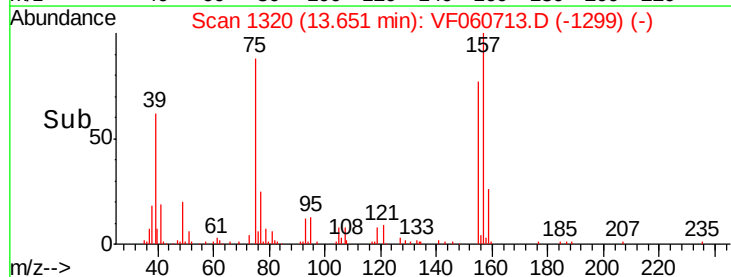
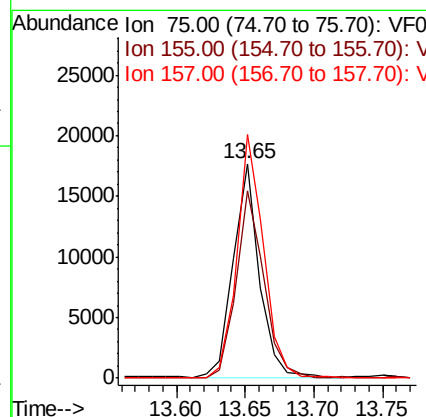
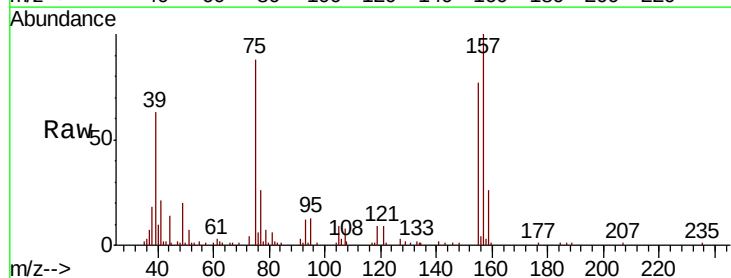
Manual Integrations  
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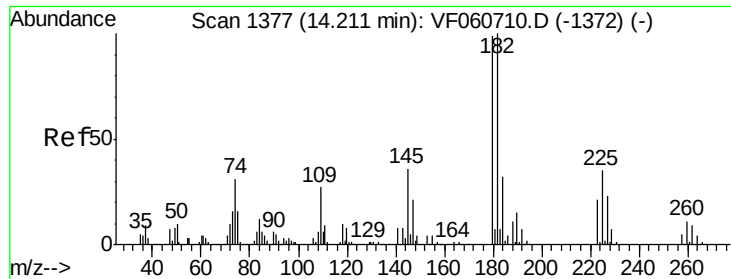
MMDadoda  
 11/14/2018 12:55:33 PM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 45.229 ug/l  
 RT: 13.65 min Scan# 1320  
 Delta R.T. 0.00 min  
 Lab File: VF060713.D  
 Acq: 13 Nov 2018 14:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 87.3  | 37.4  | 112.2 |
| 157     | 113.5 | 46.0  | 138.0 |





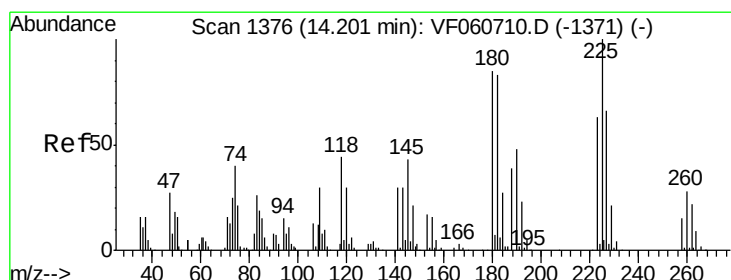
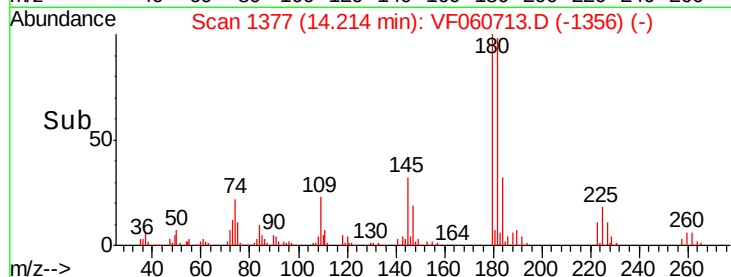
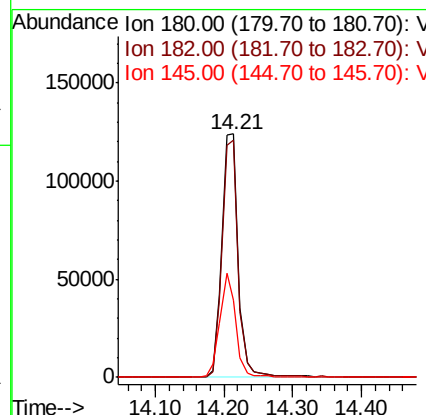
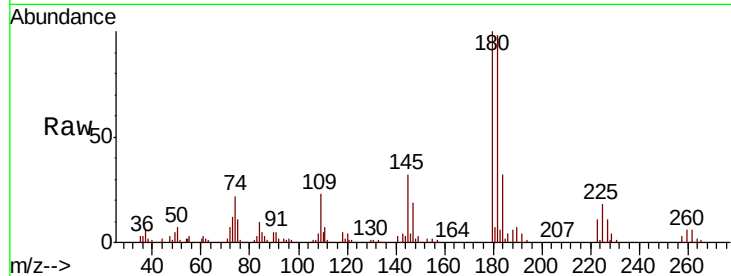
#93  
 1,2,4-Trichlorobenzene  
 Concen: 43.987 ug/l  
 RT: 14.21 min Scan# 1377  
 Delta R.T. 0.00 min  
 Lab File: VF060713.D  
 Acq: 13 Nov 2018 14:53

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 ICVVF111318

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 206213 |       |       |
| 182     | 97.5  | 50.3   | 151.0 |       |
| 145     | 31.7  | 18.3   | 54.9  |       |

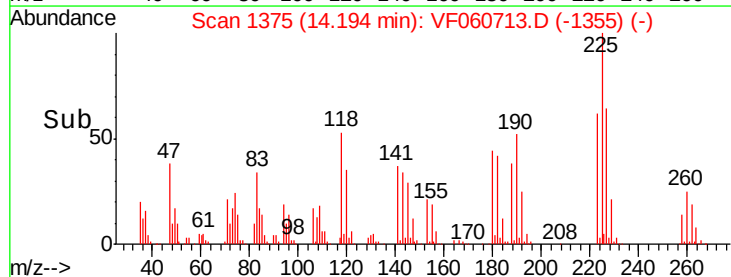
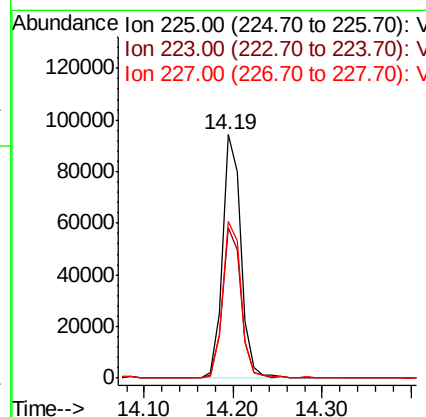
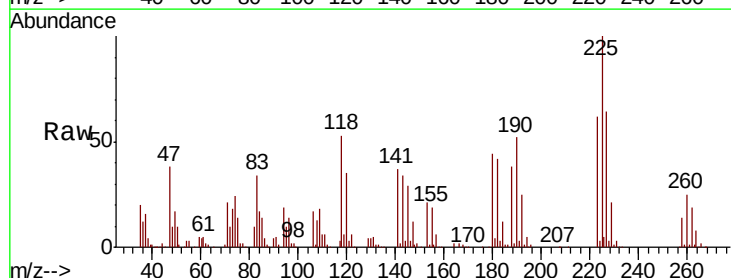
Manual Integrations  
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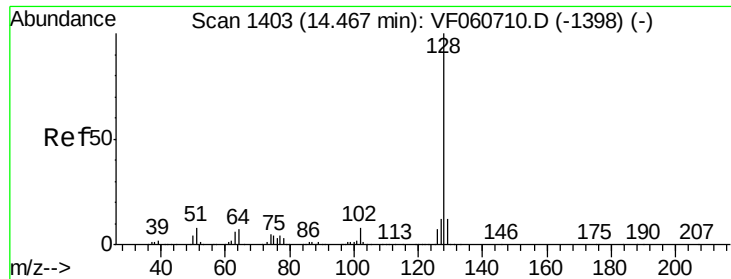
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 11/14/2018 12:55:33 PM



#94  
 Hexachlorobutadiene  
 Concen: 44.861 ug/l  
 RT: 14.19 min Scan# 1375  
 Delta R.T. -0.01 min  
 Lab File: VF060713.D  
 Acq: 13 Nov 2018 14:53

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 137431 |       |       |
| 223     | 61.5  | 31.5   | 94.5  |       |
| 227     | 64.5  | 33.0   | 99.0  |       |





#95

Naphthalene

Concen: 49.332 ug/l

RT: 14.46 min Scan# 1402

Delta R.T. -0.01 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA\_F

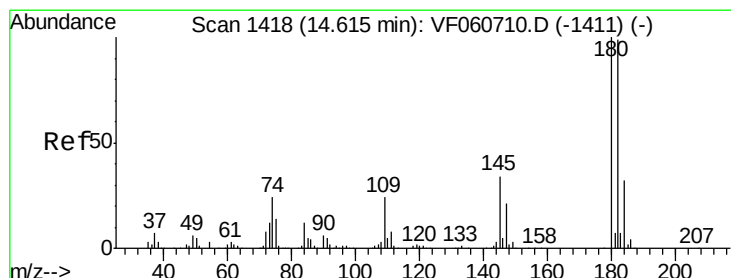
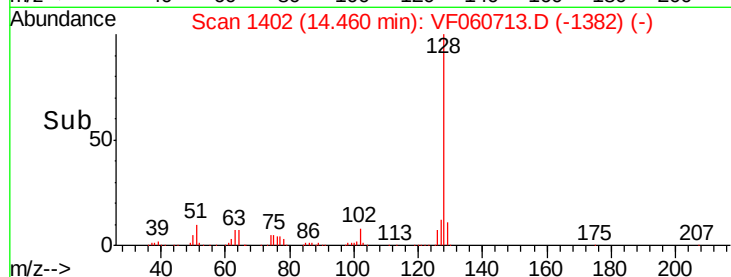
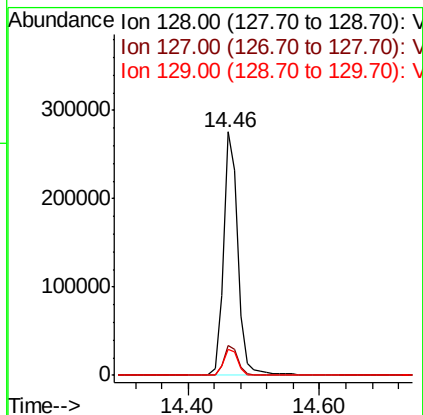
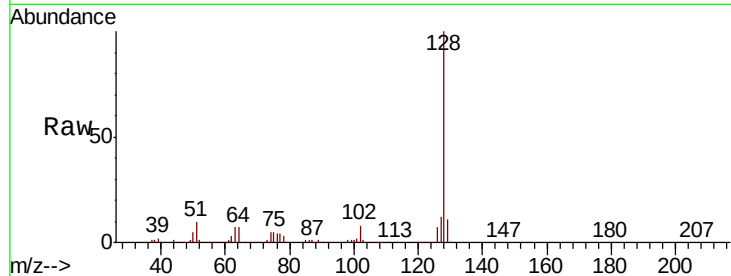
ClientSampleId :

ICVVF111318

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 421996 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.1  | 9.8   | 14.6   |
| 129       | 10.7  | 9.3   | 13.9   |

Manual Integrations  
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11/14/2018 12:55:33 PM



#96

1,2,3-Trichlorobenzene

Concen: 45.375 ug/l

RT: 14.61 min Scan# 1417

Delta R.T. -0.01 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 196564 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 96.9  | 49.6  | 149.0  |
| 145       | 36.0  | 16.9  | 50.7   |

