

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF091918\  
 Data File : VF060278.D  
 Acq On : 19 Sep 2018 13:17  
 Operator : VA/AP  
 Sample : VSTDIC010  
 Misc : 5.00/5mL/MSVOA F/SOIL  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDIC010

Manual Integrations  
 APPROVED

apatel  
 9/20/2018 11:41:17 AM

Quant Time: Sep 20 02:28:11 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F091918S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 20 02:18:46 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.04  | 168  | 270466   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.76  | 114  | 446435   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.91  | 117  | 381103   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.63 | 152  | 199470   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 5.01   | 65   | 37641    | 10.34 | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 20.68% |          |
| 35) Dibromofluoromethane    | 4.28   | 113  | 44508    | 11.18 | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 22.36% |          |
| 50) Toluene-d8              | 7.70   | 98   | 111423   | 10.75 | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 21.50% |          |
| 62) 4-Bromofluorobenzene    | 11.51  | 95   | 46882    | 10.46 | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 20.92% |          |

| Target Compounds              | R.T. | QIon | Response | Conc  | Units  | Qvalue |
|-------------------------------|------|------|----------|-------|--------|--------|
| 2) Dichlorodifluoromethane    | 0.99 | 85   | 56882    | 11.85 | ug/l   | 88     |
| 3) Chloromethane              | 1.13 | 50   | 42894    | 11.77 | ug/l   | 88     |
| 4) Vinyl Chloride             | 1.19 | 62   | 41882    | 11.15 | ug/l   | 96     |
| 5) Bromomethane               | 1.35 | 94   | 29832    | 11.84 | ug/l   | 87     |
| 6) Chloroethane               | 1.43 | 64   | 20065    | 11.22 | ug/l   | 94     |
| 7) Trichlorofluoromethane     | 1.54 | 101  | 77962    | 11.14 | ug/l   | 90     |
| 8) Diethyl Ether              | 1.70 | 74   | 12362    | 10.62 | ug/l   | 54     |
| 9) 1,1,2-Trichlorotrifluoroet | 1.90 | 101  | 42786    | 11.50 | ug/l   | 96     |
| 10) Methyl Iodide             | 1.96 | 142  | 66639    | 11.10 | ug/l # | 88     |
| 11) Tert butyl alcohol        | 2.67 | 59   | 15179    | 65.38 | ug/l # | 77     |
| 12) 1,1-Dichloroethene        | 1.86 | 96   | 34307    | 11.15 | ug/l   | 94     |
| 13) Acrolein                  | 2.09 | 56   | 7999     | 70.49 | ug/l   | 88     |
| 14) Allyl chloride            | 2.19 | 41   | 67202    | 12.51 | ug/l   | 97     |
| 15) Acrylonitrile             | 3.07 | 53   | 28951    | 56.29 | ug/l   | 91     |
| 16) Acetone                   | 2.33 | 43   | 61879    | 60.33 | ug/l   | 96     |
| 17) Carbon Disulfide          | 1.90 | 76   | 110693   | 11.92 | ug/l # | 93     |
| 18) Methyl Acetate            | 2.45 | 43   | 21180    | 12.40 | ug/l   | 95     |
| 19) Methyl tert-butyl Ether   | 2.54 | 73   | 87504    | 11.40 | ug/l   | 99     |
| 20) Methylene Chloride        | 2.28 | 84   | 43676m   | 11.98 | ug/l   |        |
| 21) trans-1,2-Dichloroethene  | 2.41 | 96   | 37191    | 11.70 | ug/l   | 98     |
| 22) Diisopropyl ether         | 2.92 | 45   | 113840   | 11.23 | ug/l # | 95     |
| 23) Vinyl Acetate             | 3.32 | 43   | 228896   | 57.51 | ug/l   | 98     |
| 24) 1,1-Dichloroethane        | 3.00 | 63   | 72285    | 11.00 | ug/l # | 98     |
| 25) 2-Butanone                | 4.50 | 43   | 76714    | 55.57 | ug/l   | 92     |
| 26) 2,2-Dichloropropane       | 3.76 | 77   | 42837    | 11.42 | ug/l   | 100    |
| 27) cis-1,2-Dichloroethene    | 3.63 | 96   | 50218    | 12.02 | ug/l   | 85     |
| 28) Bromochloromethane        | 3.89 | 49   | 29880    | 11.68 | ug/l   | 96     |
| 29) Tetrahydrofuran           | 4.25 | 42   | 27746    | 54.88 | ug/l # | 91     |
| 30) Chloroform                | 4.02 | 83   | 86144    | 10.86 | ug/l   | 94     |
| 31) Cyclohexane               | 3.86 | 56   | 64515    | 11.62 | ug/l # | 94     |
| 32) 1,1,1-Trichloroethane     | 4.27 | 97   | 74599    | 11.92 | ug/l   | 97     |
| 36) 1,1-Dichloropropene       | 4.46 | 75   | 69167    | 12.42 | ug/l   | 96     |
| 37) Ethyl Acetate             | 4.29 | 43   | 27965    | 11.87 | ug/l # | 64     |
| 38) Carbon Tetrachloride      | 4.17 | 117  | 68705m   | 10.81 | ug/l   |        |

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 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
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 ClientSampleID :  
 VSTDIC010

Manual Integrations  
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apatel  
 9/20/2018 11:41:17 AM

Quant Time: Sep 20 02:28:11 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F091918S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 20 02:18:46 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 5.62  | 83   | 69378    | 11.50  | ug/l   | 95       |
| 40) Benzene                    | 4.80  | 78   | 147476   | 11.68  | ug/l   | 99       |
| 41) Methacrylonitrile          | 4.91  | 41   | 13797    | 10.79  | ug/l # | 92       |
| 42) 1,2-Dichloroethane         | 5.11  | 62   | 55263    | 11.89  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 7.11  | 43   | 32986    | 11.63  | ug/l # | 94       |
| 44) Trichloroethene            | 5.67  | 130  | 43432    | 11.56  | ug/l   | 94       |
| 45) 1,2-Dichloropropane        | 6.40  | 63   | 35761    | 10.94  | ug/l # | 86       |
| 46) Dibromomethane             | 6.24  | 93   | 27766    | 11.89  | ug/l   | 95       |
| 47) Bromodichloromethane       | 6.54  | 83   | 65657    | 11.70  | ug/l   | 99       |
| 48) Methyl methacrylate        | 6.86  | 41   | 24021    | 12.06  | ug/l   | 92       |
| 49) 1,4-Dioxane                | 6.85  | 88   | 4261     | 239.52 | ug/l   | 91       |
| 51) 4-Methyl-2-Pentanone       | 8.40  | 43   | 120399   | 55.07  | ug/l   | 98       |
| 52) Toluene                    | 7.77  | 92   | 90658    | 11.35  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 8.42  | 75   | 49573    | 10.95  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene    | 7.46  | 75   | 65834    | 11.54  | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane      | 8.64  | 97   | 26310    | 10.85  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 8.76  | 69   | 34765    | 11.87  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 8.99  | 76   | 43796    | 10.91  | ug/l   | 95       |
| 58) 2-Chloroethyl Vinyl ether  | 7.77  | 63   | 15050    | 58.14  | ug/l   | 100      |
| 59) 2-Hexanone                 | 9.62  | 43   | 83669    | 53.75  | ug/l   | 84       |
| 60) Dibromochloromethane       | 8.85  | 129  | 38747    | 10.72  | ug/l   | 96       |
| 61) 1,2-Dibromoethane          | 9.13  | 107  | 30897    | 11.44  | ug/l   | 96       |
| 64) Tetrachloroethene          | 8.30  | 164  | 40713    | 11.78  | ug/l   | 93       |
| 65) Chlorobenzene              | 9.94  | 112  | 96596    | 11.18  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 10.07 | 131  | 42214    | 11.78  | ug/l   | 99       |
| 67) Ethyl Benzene              | 10.04 | 91   | 187320   | 11.73  | ug/l   | 98       |
| 68) m/p-Xylenes                | 10.26 | 106  | 129069   | 23.39  | ug/l   | 95       |
| 69) o-Xylene                   | 10.83 | 106  | 71019    | 11.48  | ug/l   | 89       |
| 70) Styrene                    | 10.90 | 104  | 100138   | 11.47  | ug/l   | 97       |
| 71) Bromoform                  | 10.89 | 173  | 22167    | 11.26  | ug/l # | 100      |
| 73) Isopropylbenzene           | 11.22 | 105  | 219917   | 12.28  | ug/l   | 99       |
| 74) N-amyl acetate             | 11.46 | 43   | 46269    | 12.12  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.78 | 83   | 39488    | 12.44  | ug/l   | 94       |
| 76) 1,2,3-Trichloropropane     | 11.88 | 75   | 26646    | 11.73  | ug/l   | 91       |
| 77) Bromobenzene               | 11.60 | 156  | 45105    | 11.69  | ug/l   | 90       |
| 78) n-propylbenzene            | 11.68 | 91   | 257530   | 12.18  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 11.81 | 91   | 149580   | 12.38  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 11.91 | 105  | 170192   | 11.81  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-buten | 11.95 | 75   | 15043m   | 10.27  | ug/l   |          |
| 82) 4-Chlorotoluene            | 11.99 | 91   | 144227   | 11.88  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.22 | 119  | 179285   | 12.27  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 12.29 | 105  | 177386   | 12.12  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 12.38 | 105  | 244757   | 12.10  | ug/l   | 98       |
| 86) p-Isopropyltoluene         | 12.53 | 119  | 195325   | 12.20  | ug/l   | 94       |
| 87) 1,3-Dichlorobenzene        | 12.55 | 146  | 86636    | 12.01  | ug/l   | 96       |
| 88) 1,4-Dichlorobenzene        | 12.64 | 146  | 83037    | 11.65  | ug/l   | 94       |
| 89) n-Butylbenzene             | 12.92 | 91   | 213815   | 12.63  | ug/l   | 96       |
| 90) Hexachloroethane           | 12.99 | 117  | 48208    | 11.79  | ug/l   | 87       |
| 91) 1,2-Dichlorobenzene        | 13.01 | 146  | 81627    | 11.87  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.71 | 75   | 7518     | 12.62  | ug/l   | 87       |

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Misc : 5.00/5mL/MSVOA F/SOIL  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDICC010

Manual Integrations  
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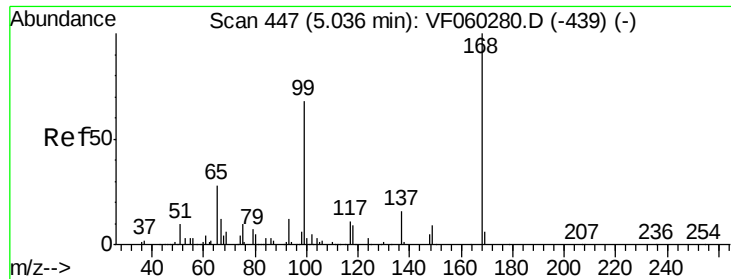
apatel  
9/20/2018 11:41:17 AM

Quant Time: Sep 20 02:28:11 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F091918S.M  
Quant Title : SW846 8260  
QLast Update : Thu Sep 20 02:18:46 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|----------------------------|-------|------|----------|-------|--------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.27 | 180  | 60155    | 12.03 | ug/l   | 90       |
| 94) Hexachlorobutadiene    | 14.26 | 225  | 37954    | 11.23 | ug/l   | 96       |
| 95) Naphthalene            | 14.52 | 128  | 100022   | 11.41 | ug/l # | 96       |
| 96) 1,2,3-Trichlorobenzene | 14.67 | 180  | 53861    | 11.66 | ug/l   | 93       |

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 447

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Instrument :

MSVOA\_F

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 270466

Ion Ratio Lower Upper

168 100

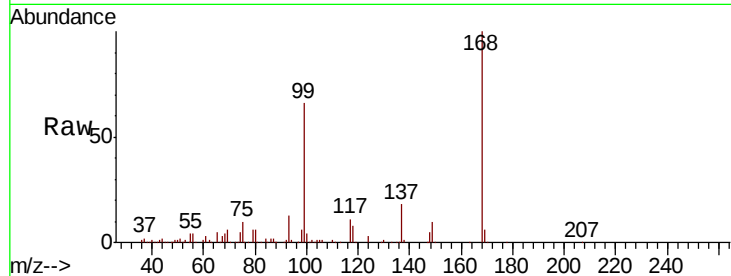
99 66.5 54.8 82.2

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

80000

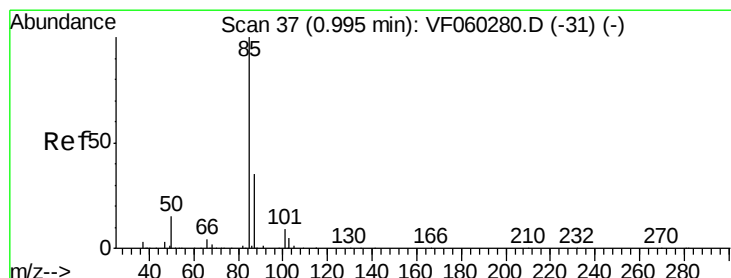
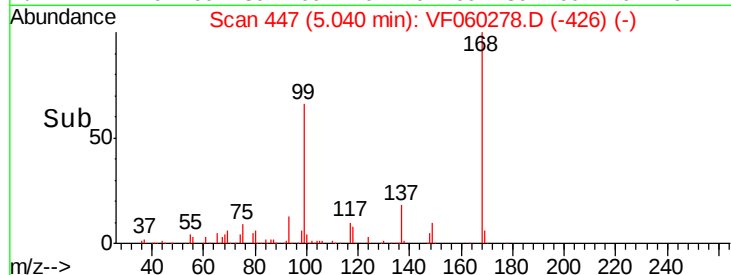
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 11.85 ug/l

RT: 0.99 min Scan# 36

Delta R.T. -0.01 min

Lab File: VF060278.D

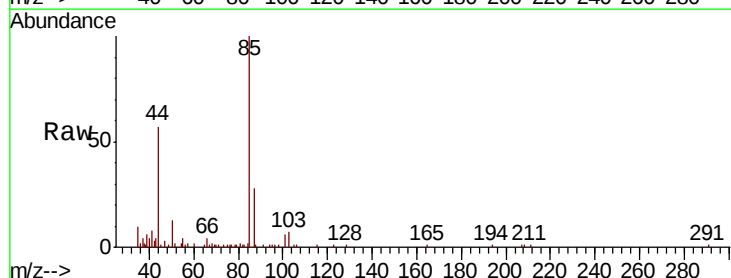
Acq: 19 Sep 2018 13:17

Tgt Ion: 85 Resp: 56882

Ion Ratio Lower Upper

85 100

87 27.7 17.3 52.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

20000

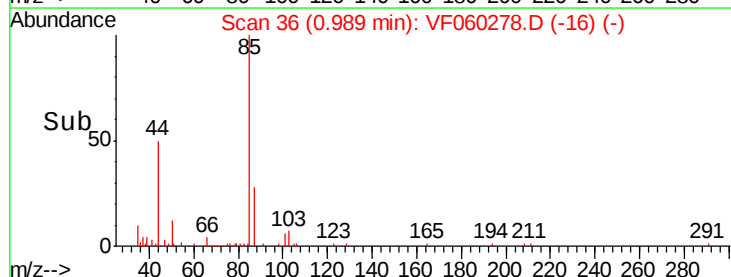
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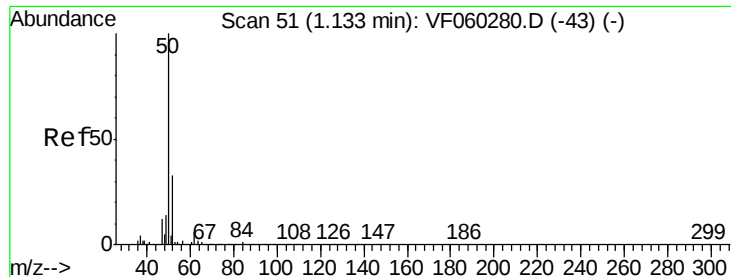
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5000

0

Time-->





#3

Chloromethane

Concen: 11.77 ug/l

RT: 1.13 min Scan# 50

Delta R.T. -0.01 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Instrument :

MSVOA\_F

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 42894

Ion Ratio Lower Upper

50 100

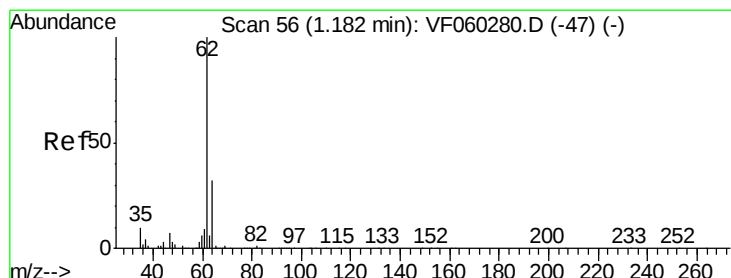
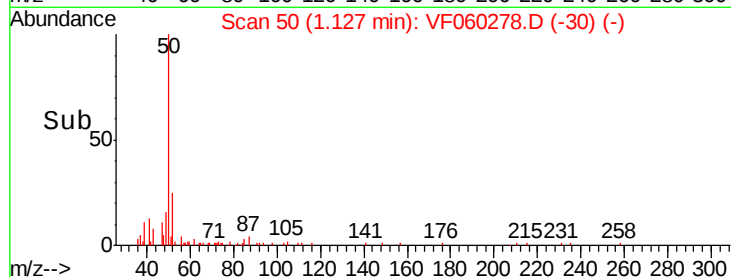
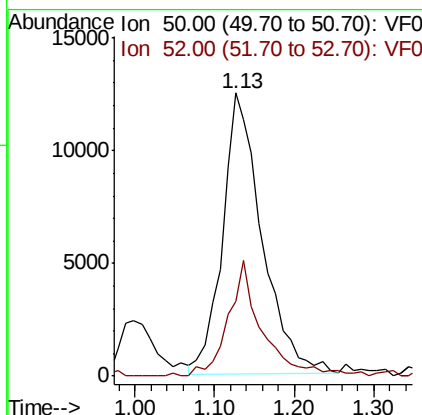
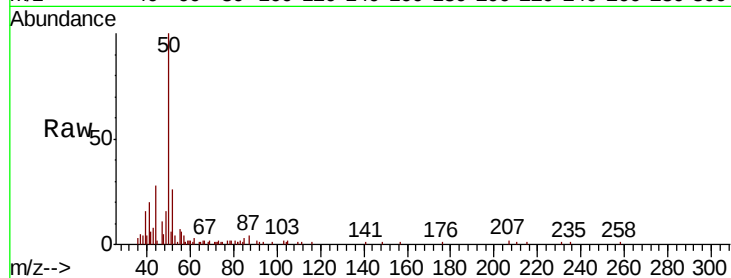
52 26.5 26.5 39.7

Manual Integrations

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9/20/2018 11:41:17 AM



#4

Vinyl Chloride

Concen: 11.15 ug/l

RT: 1.19 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF060278.D

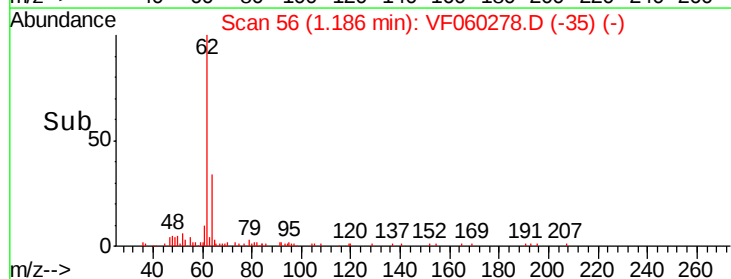
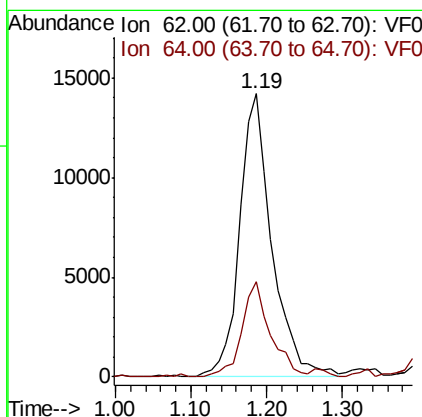
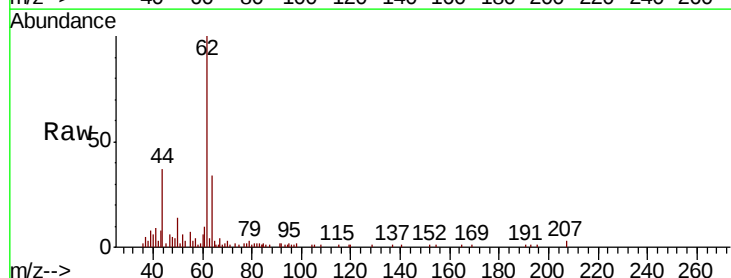
Acq: 19 Sep 2018 13:17

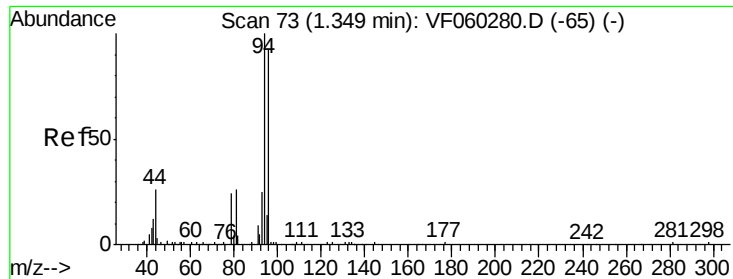
Tgt Ion: 62 Resp: 41882

Ion Ratio Lower Upper

62 100

64 33.8 25.2 37.8





#5

Bromomethane

Concen: 11.84 ug/l

RT: 1.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Instrument :

MSVOA\_F

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 29832

Ion Ratio Lower Upper

94 100

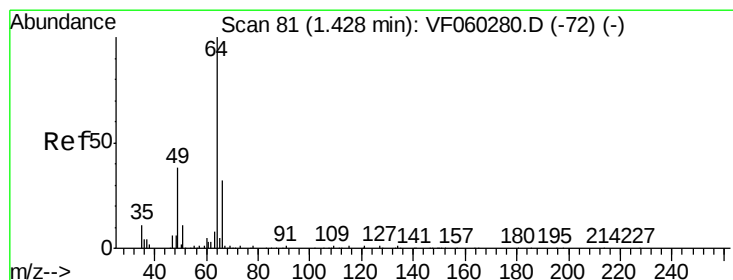
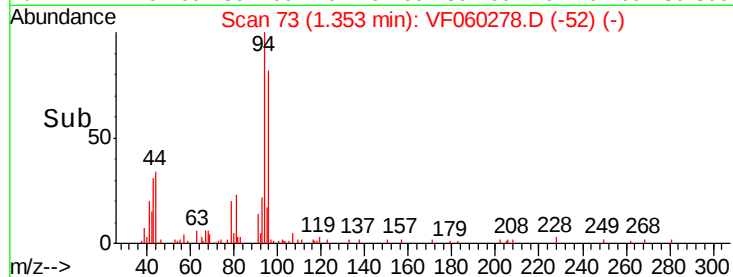
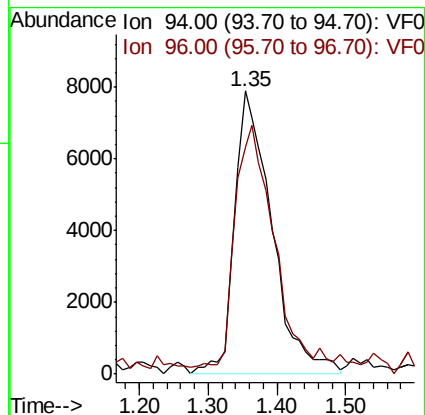
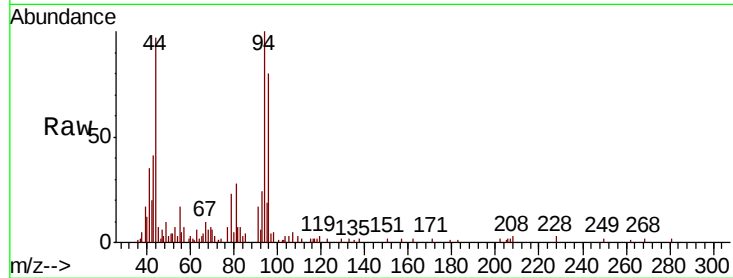
96 80.4 73.9 110.9

Manual Integrations

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9/20/2018 11:41:17 AM



#6

Chloroethane

Concen: 11.22 ug/l

RT: 1.43 min Scan# 81

Delta R.T. 0.00 min

Lab File: VF060278.D

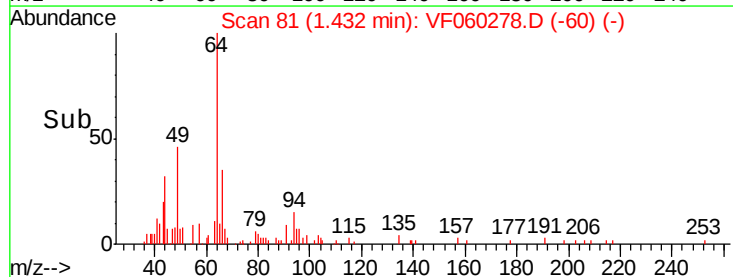
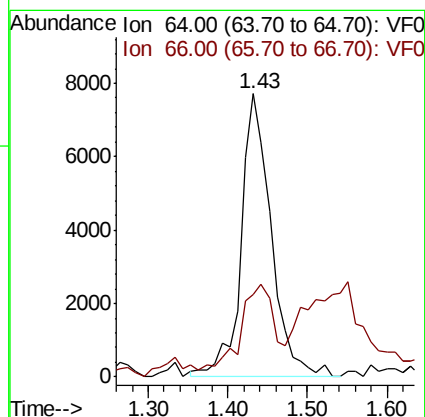
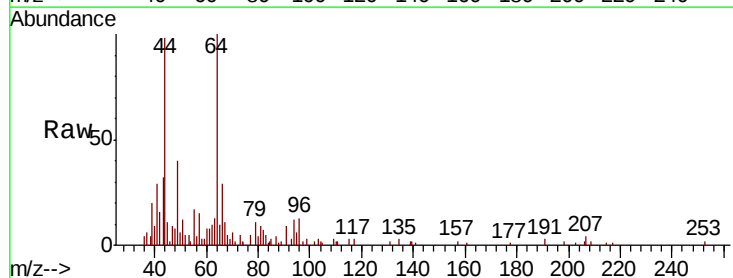
Acq: 19 Sep 2018 13:17

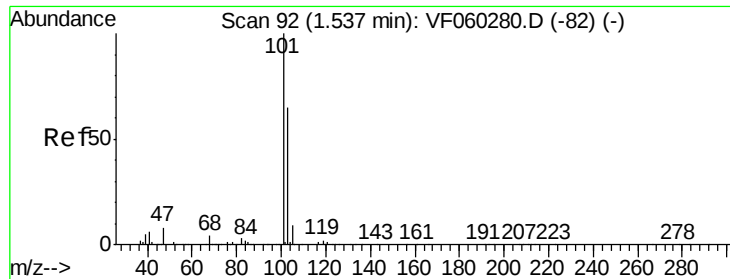
Tgt Ion: 64 Resp: 20065

Ion Ratio Lower Upper

64 100

66 29.3 26.2 39.2





#7

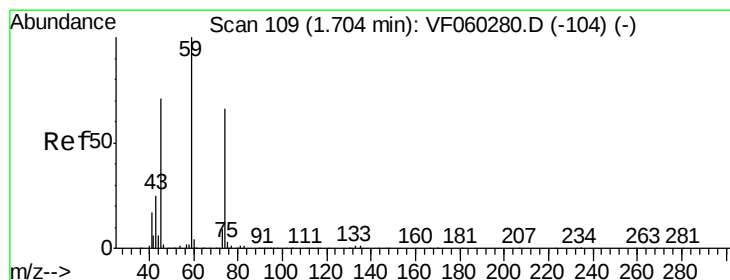
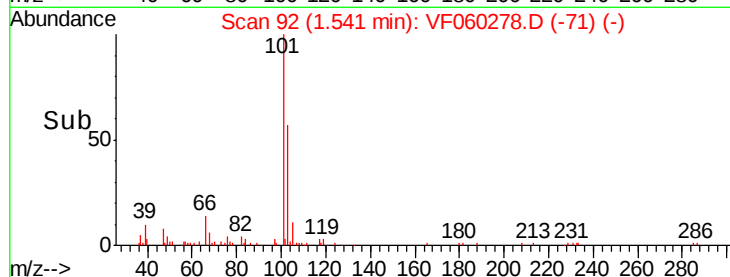
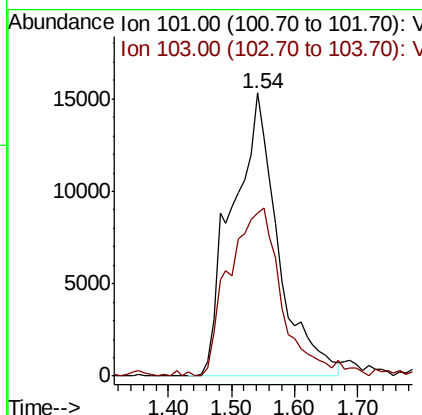
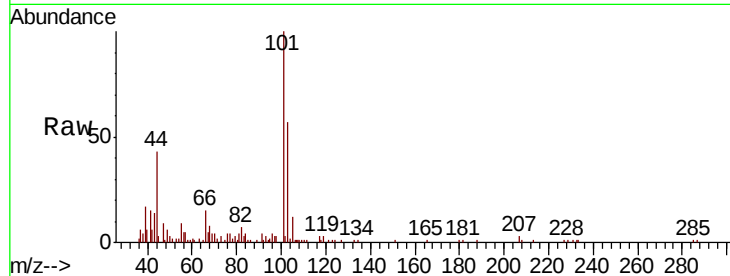
Trichlorofluoromethane  
Concen: 11.14 ug/l  
RT: 1.54 min Scan# 92  
Delta R.T. 0.00 min  
Lab File: VF060278.D  
Acq: 19 Sep 2018 13:17

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 57.5  | 52.0  | 78.0  |

Manual Integrations  
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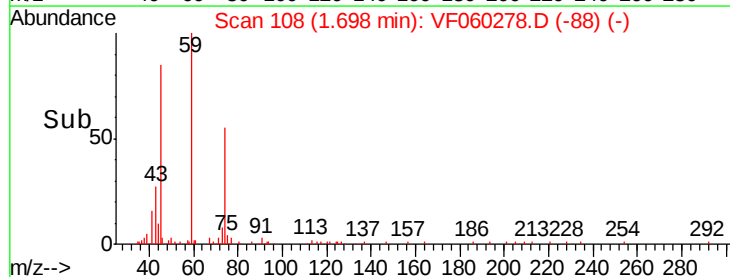
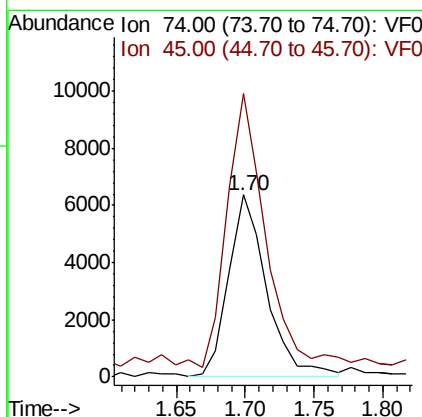
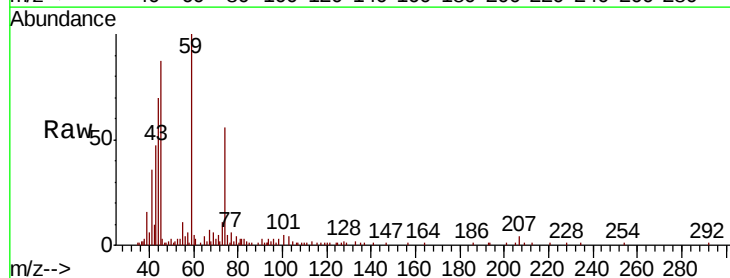
apatel  
9/20/2018 11:41:17 AM

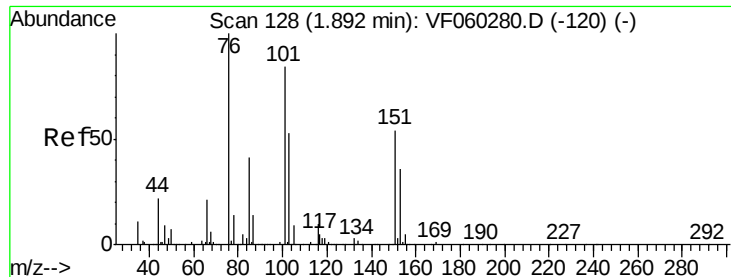


#8

Diethyl Ether  
Concen: 10.62 ug/l  
RT: 1.70 min Scan# 108  
Delta R.T. -0.01 min  
Lab File: VF060278.D  
Acq: 19 Sep 2018 13:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 155.5 | 53.9  | 161.7 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.50 ug/l

RT: 1.90 min Scan# 128

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Instrument :

MSVOA\_F

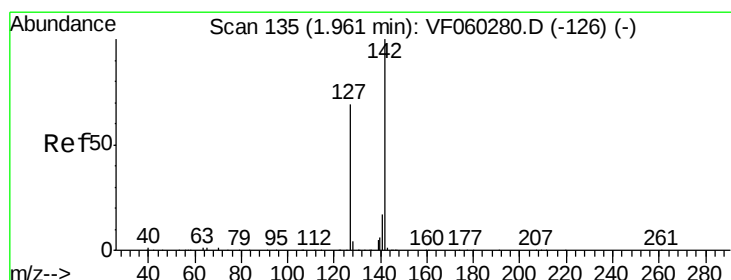
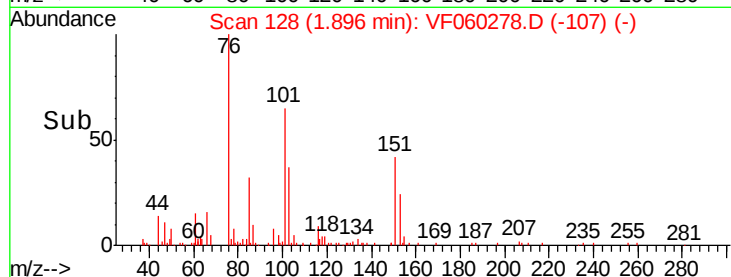
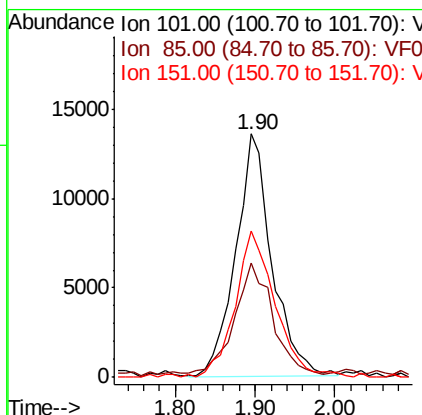
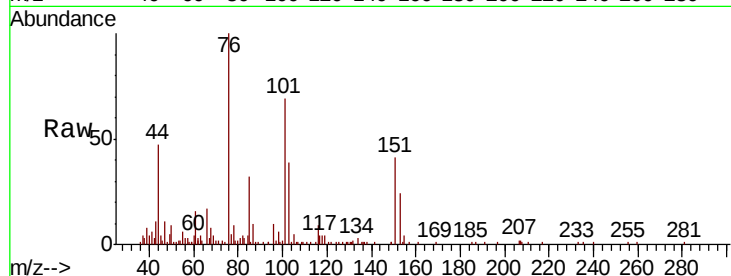
ClientSampleId :

VSTDIC010

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 42786 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 46.7  | 38.7  | 58.1  |
| 151       | 60.1  | 50.8  | 76.2  |

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#10

Methyl Iodide

Concen: 11.10 ug/l

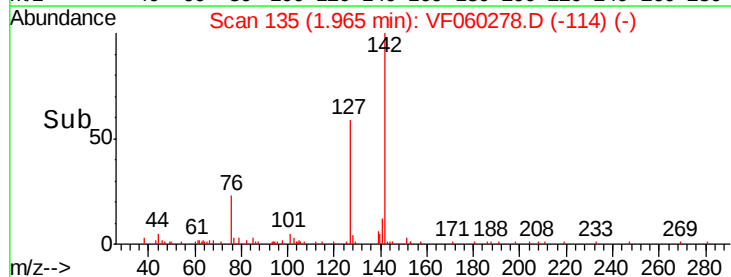
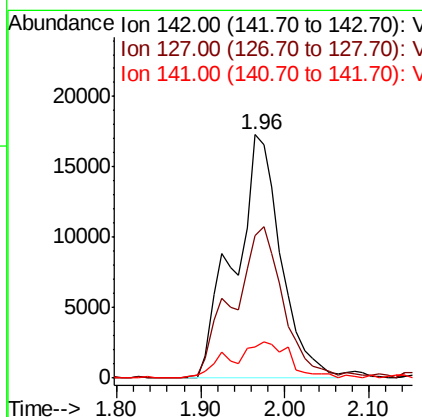
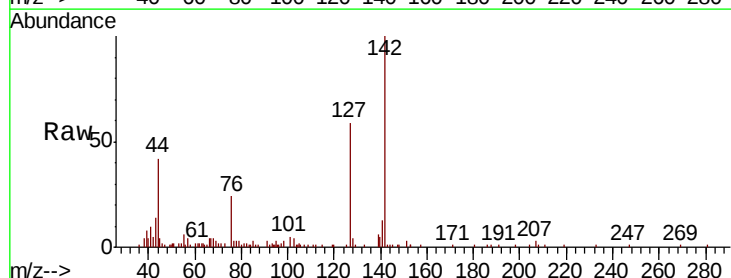
RT: 1.96 min Scan# 135

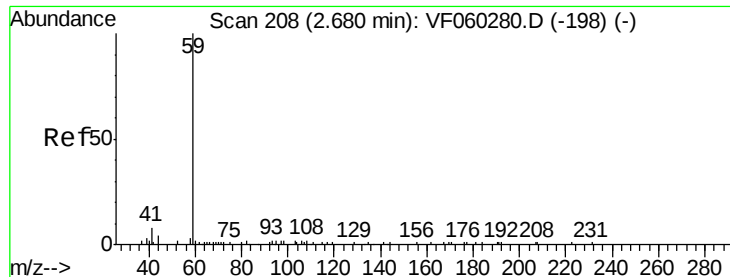
Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 66639 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 58.6  | 55.4  | 83.0  |
| 141       | 12.8  | 13.3  | 19.9# |





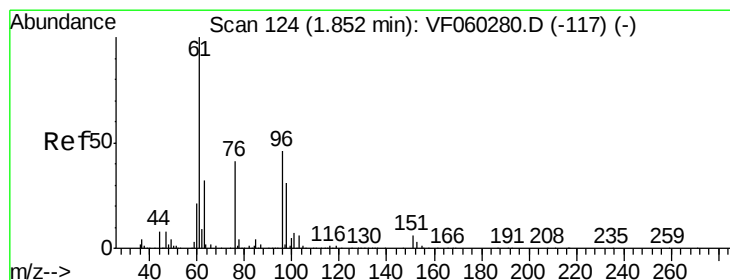
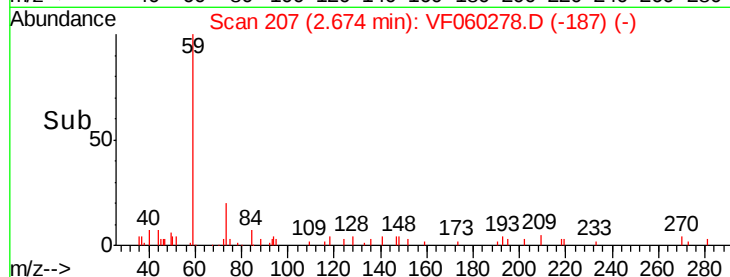
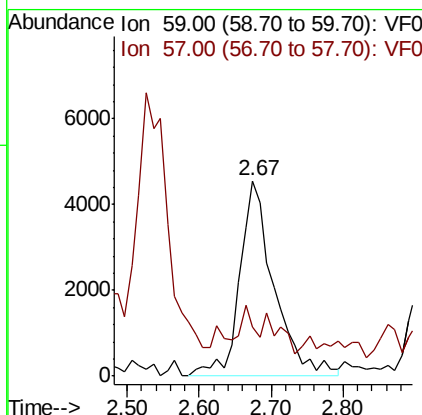
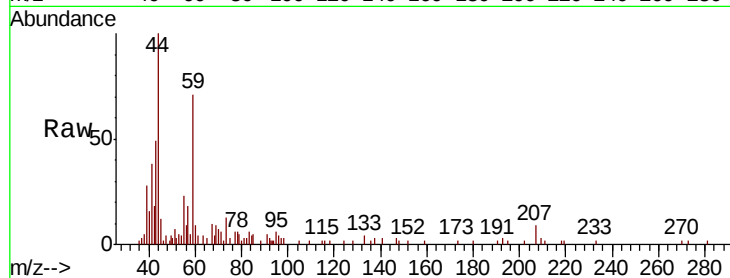
#11  
Tert butyl alcohol  
Concen: 65.38 ug/l  
RT: 2.67 min Scan# 207  
Delta R.T. -0.01 min  
Lab File: VF060278.D  
Acq: 19 Sep 2018 13:17

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDIC010

Tot Ion: 59 Resp: 15179  
Ion Ratio Lower Upper  
59 100  
57 25.3 12.4 18.6#

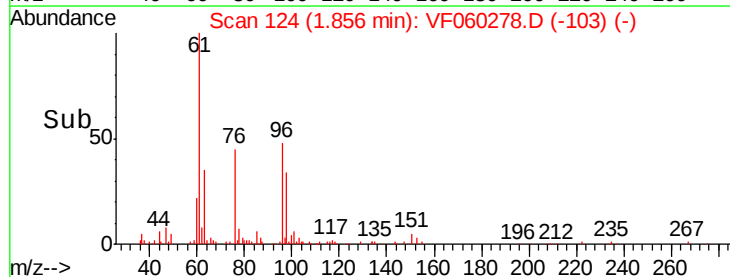
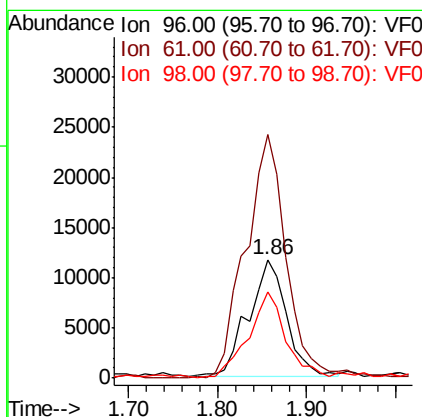
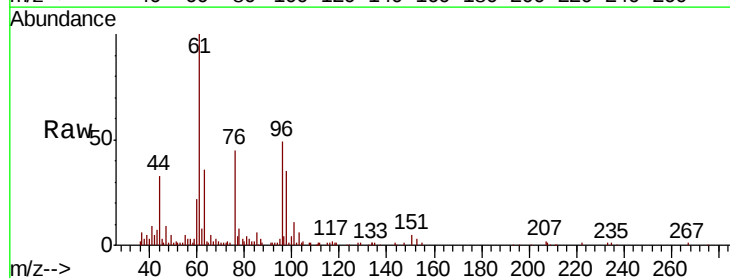
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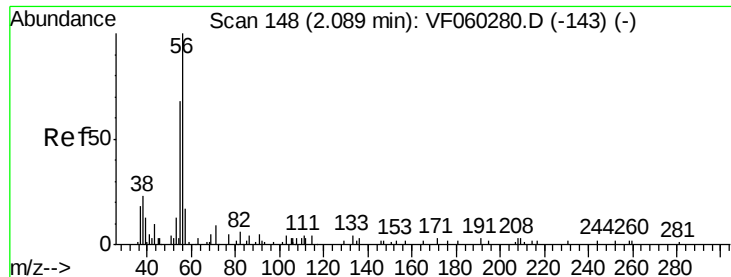
apatel  
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#12  
1,1-Dichloroethene  
Concen: 11.15 ug/l  
RT: 1.86 min Scan# 124  
Delta R.T. 0.00 min  
Lab File: VF060278.D  
Acq: 19 Sep 2018 13:17

Tgt Ion: 96 Resp: 34307  
Ion Ratio Lower Upper  
96 100  
61 205.9 172.2 258.2  
98 72.9 54.1 81.1





#13

Acrolein

Concen: 70.49 ug/l

RT: 2.09 min Scan# 148

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Tot Ion: 56 Resp: 7999

Ion Ratio Lower Upper

56 100

55 98.8 69.9 104.9

Instrument :

MSVOA\_F

ClientSampleId :

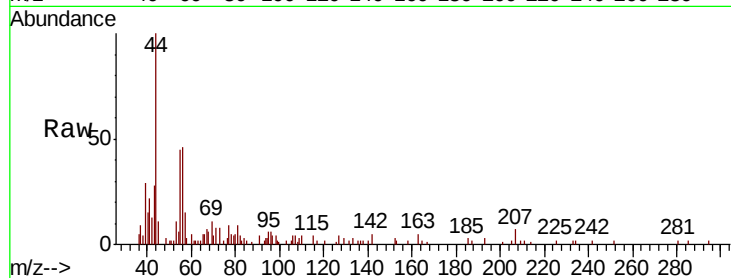
VSTDIC010

Manual Integrations

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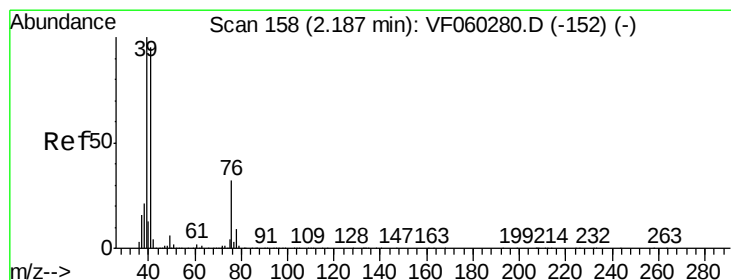
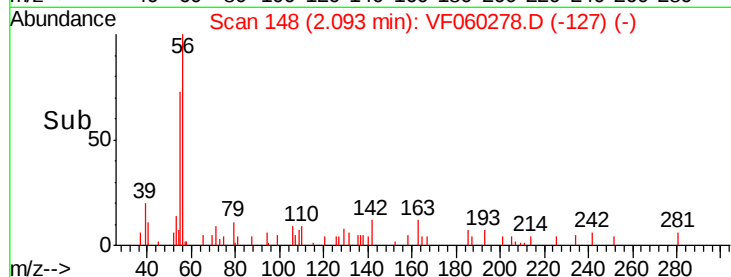
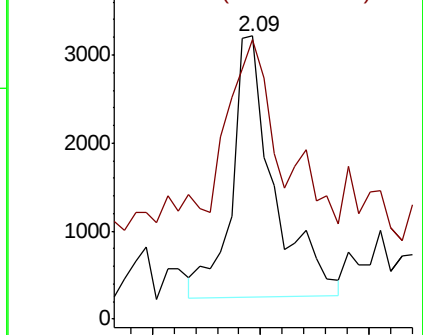
apatel

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 12.51 ug/l

RT: 2.19 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

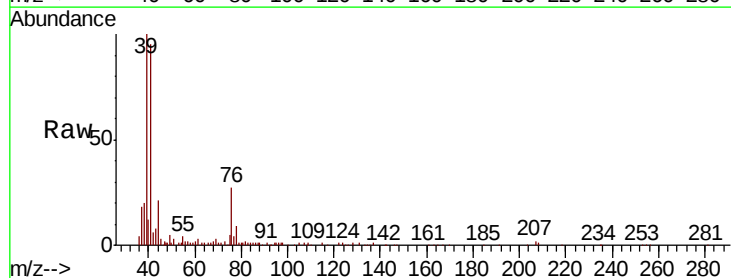
Tgt Ion: 41 Resp: 67202

Ion Ratio Lower Upper

41 100

39 105.1 84.8 127.2

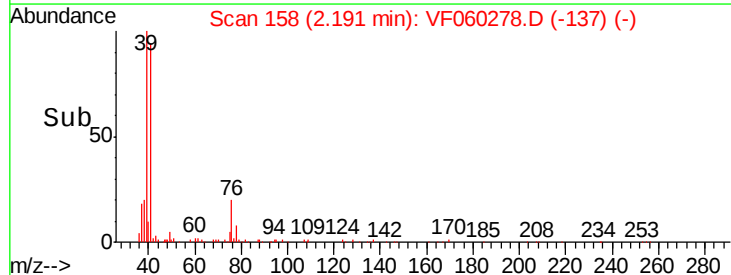
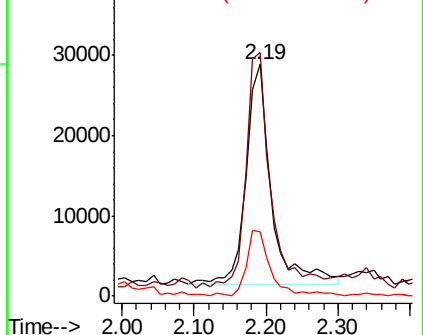
76 27.9 27.4 41.2

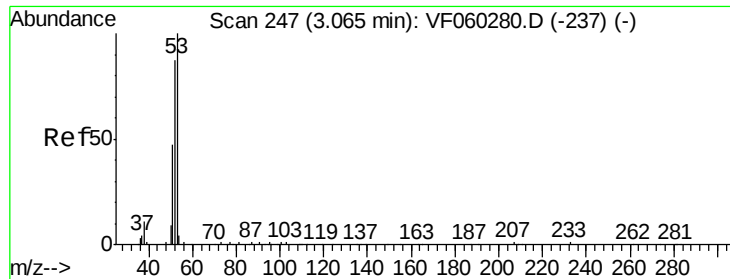


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 56.29 ug/l

RT: 3.07 min Scan# 247

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Instrument :

MSVOA\_F

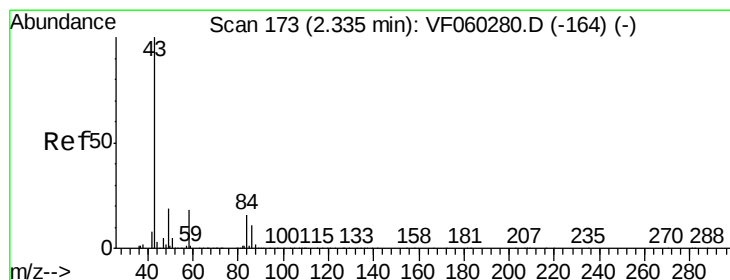
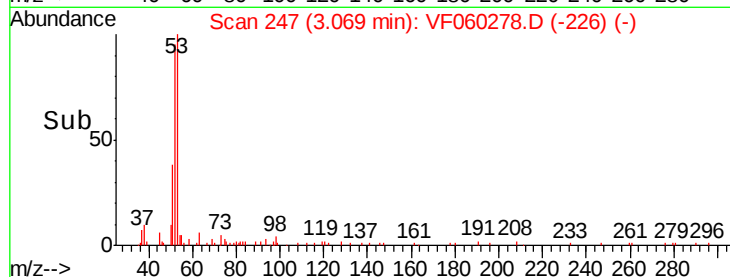
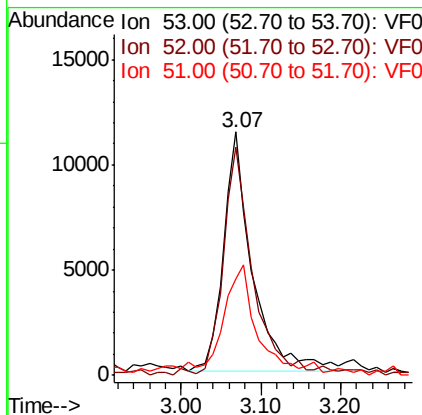
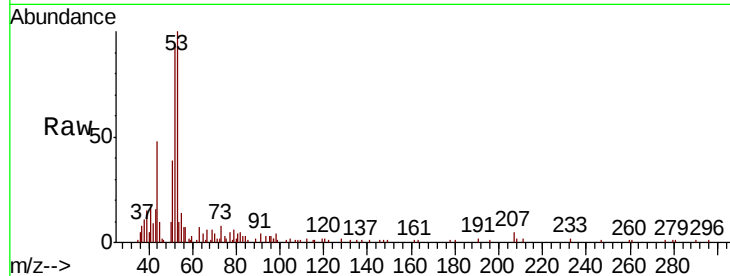
ClientSampleId :

VSTDIC010

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 28951 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 93.5  | 69.5  | 104.3 |
| 51       | 39.5  | 38.1  | 57.1  |

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#16

Acetone

Concen: 60.33 ug/l

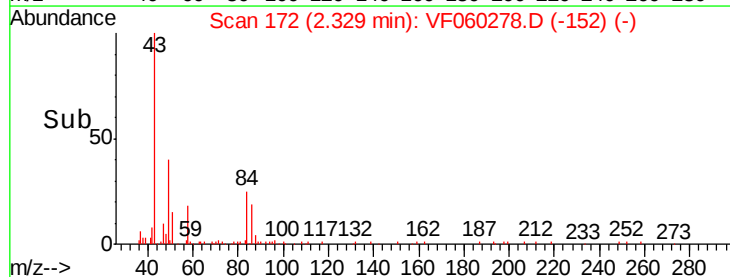
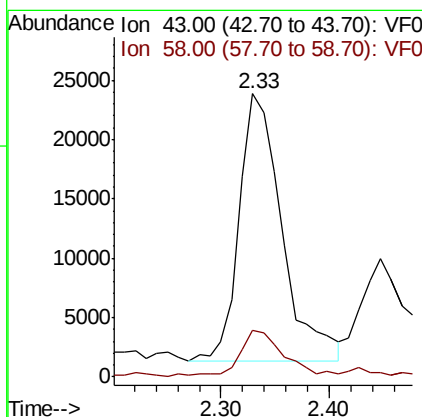
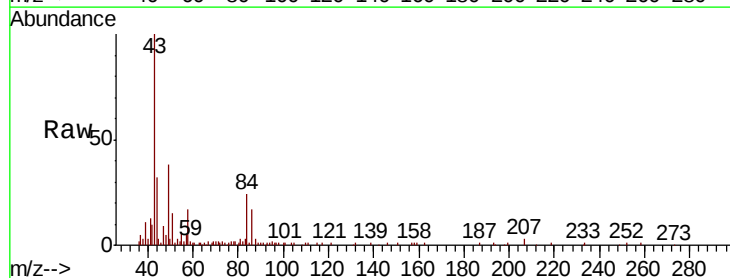
RT: 2.33 min Scan# 172

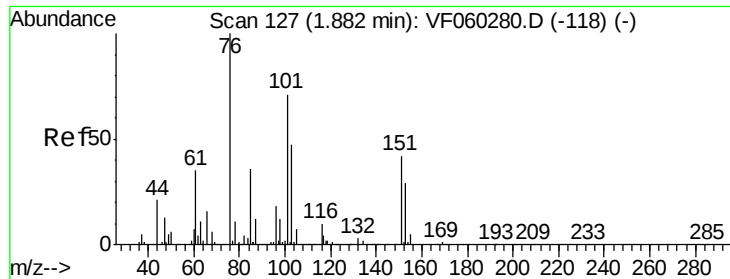
Delta R.T. -0.01 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 61879 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 16.5  | 14.5  | 21.7  |





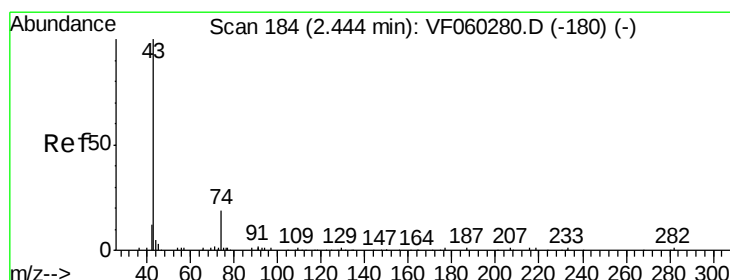
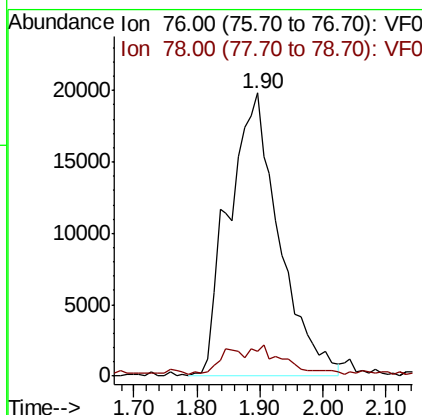
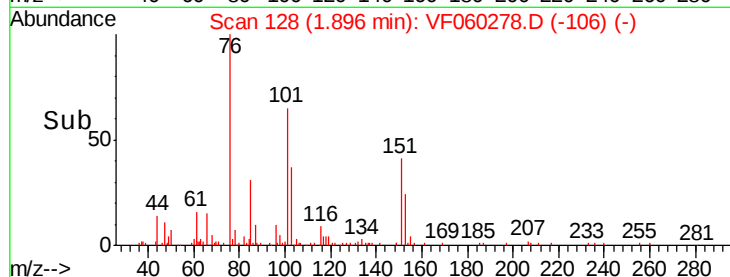
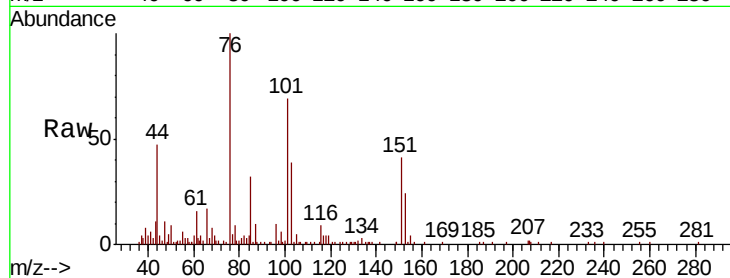
#17  
Carbon Disulfide  
Concen: 11.92 ug/l  
RT: 1.90 min Scan# 128  
Delta R.T. 0.01 min  
Lab File: VF060278.D  
Acq: 19 Sep 2018 13:17

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDIC010

Tot Ion: 76 Resp: 110693  
Ion Ratio Lower Upper  
76 100  
78 8.8 9.4 14.0#

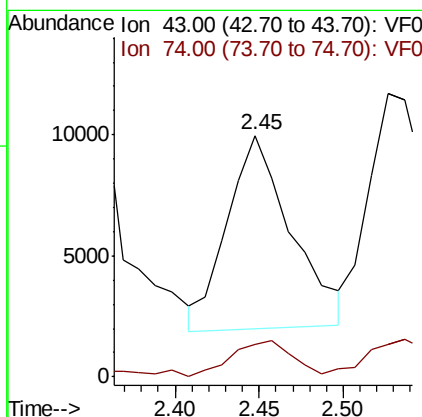
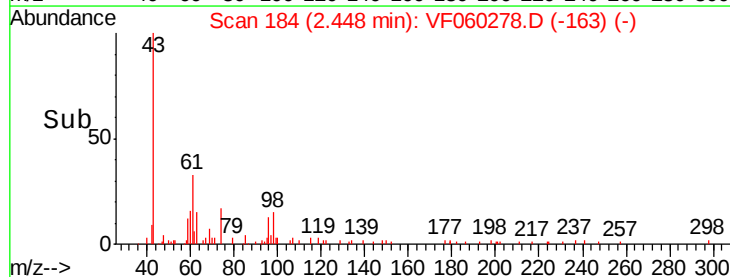
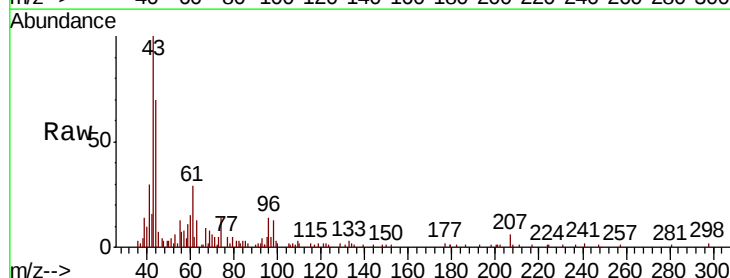
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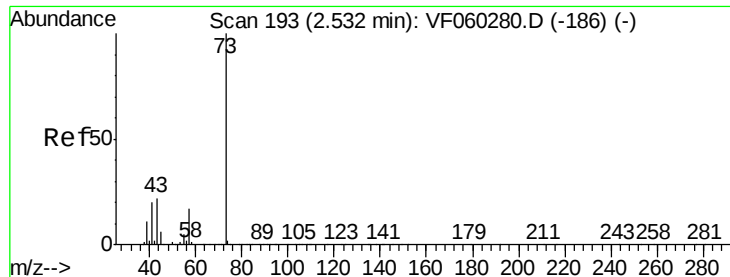
apatel  
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#18  
Methyl Acetate  
Concen: 12.40 ug/l  
RT: 2.45 min Scan# 184  
Delta R.T. 0.00 min  
Lab File: VF060278.D  
Acq: 19 Sep 2018 13:17

Tgt Ion: 43 Resp: 21180  
Ion Ratio Lower Upper  
43 100  
74 13.6 12.7 19.1





#19

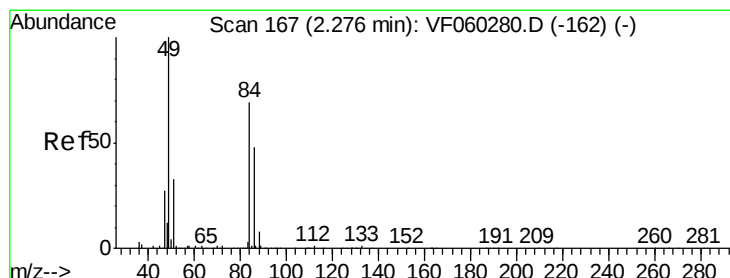
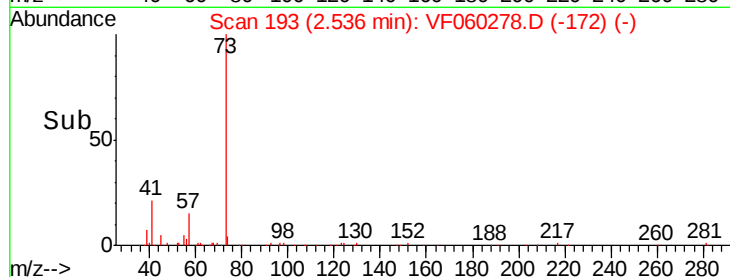
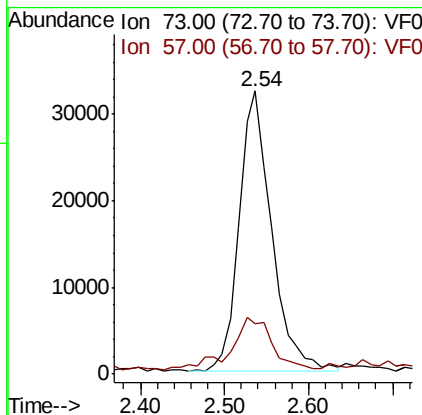
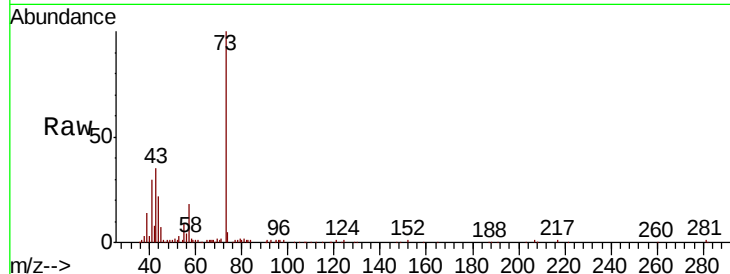
Methyl tert-butyl Ether  
 Concen: 11.40 ug/l  
 RT: 2.54 min Scan# 193  
 Delta R.T. 0.00 min  
 Lab File: VF060278.D  
 Acq: 19 Sep 2018 13:17

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 17.7  | 14.5  | 21.7  |

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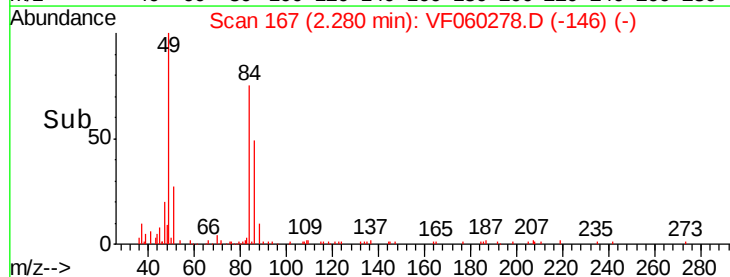
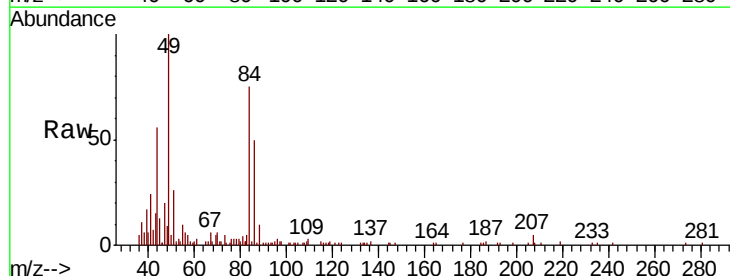
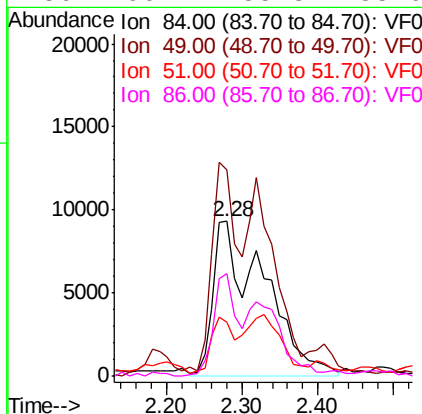
apatel  
 9/20/2018 11:41:17 AM

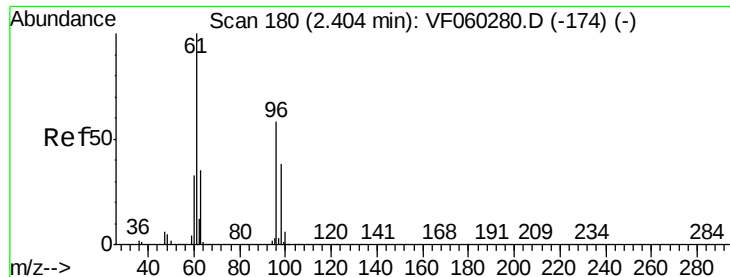


#20

Methylene Chloride  
 Concen: 11.98 ug/l m  
 RT: 2.28 min Scan# 167  
 Delta R.T. 0.00 min  
 Lab File: VF060278.D  
 Acq: 19 Sep 2018 13:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 133.5 | 118.3 | 177.5 |
| 51      | 35.1  | 38.7  | 58.1# |
| 86      | 66.7  | 55.8  | 83.6  |





#21

trans-1,2-Dichloroethene

Concen: 11.70 ug/l

RT: 2.41 min Scan# 180

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Instrument :

MSVOA\_F

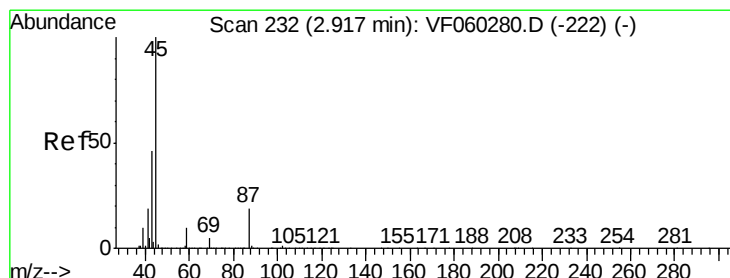
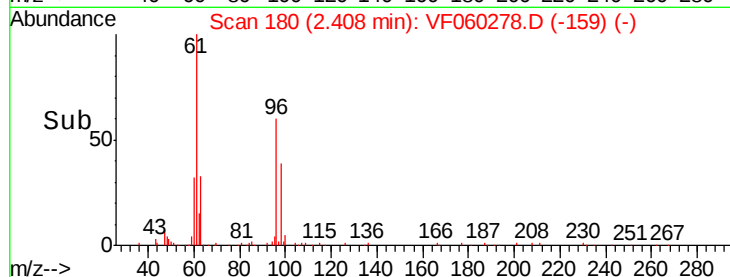
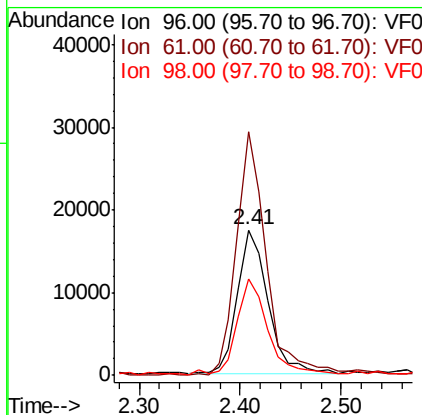
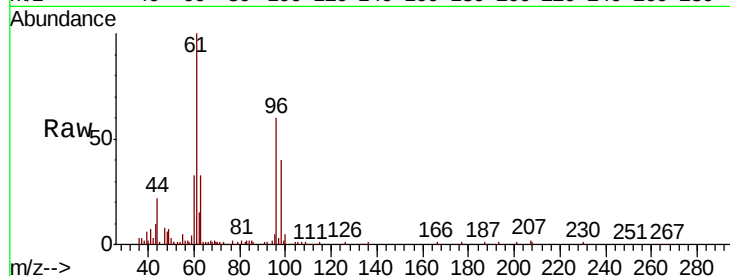
ClientSampleId :

VSTDIC010

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 37191 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 167.6 | 136.4 | 204.6 |
| 98       | 66.5  | 51.8  | 77.6  |

Manual Integrations  
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apatel  
9/20/2018 11:41:17 AM



#22

Diisopropyl ether

Concen: 11.23 ug/l

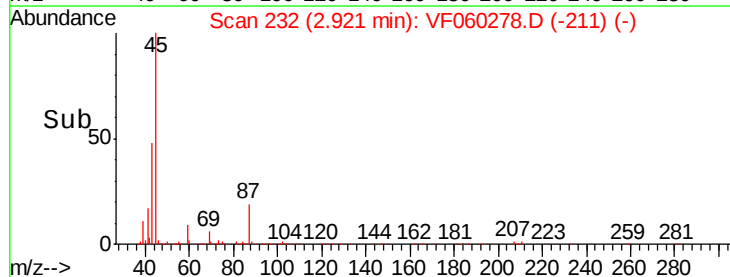
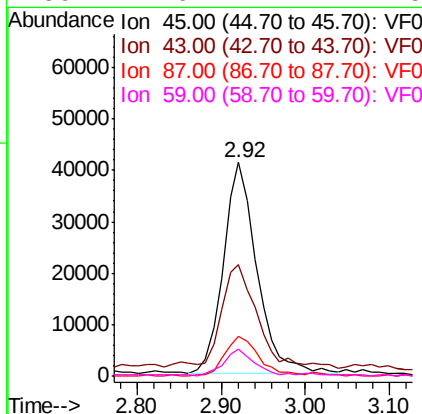
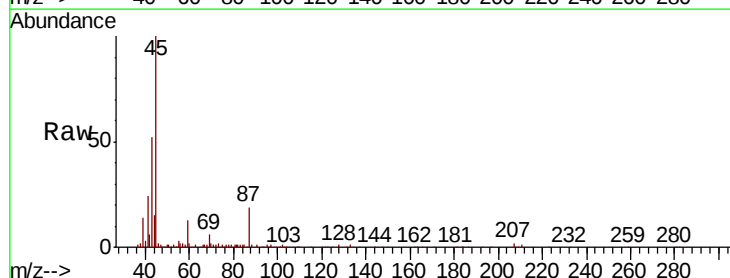
RT: 2.92 min Scan# 232

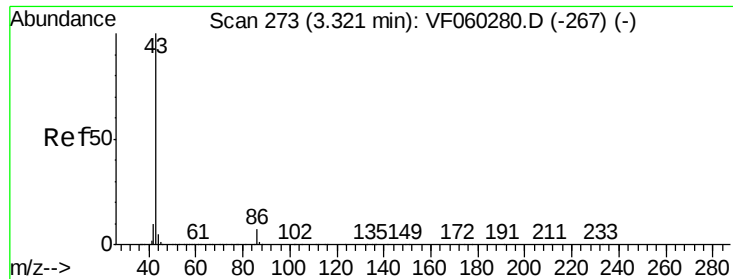
Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 113840 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 52.1  | 38.2  | 57.2   |
| 87       | 18.9  | 15.5  | 23.3   |
| 59       | 12.6  | 7.7   | 11.5#  |





#23

Vinyl Acetate

Concen: 57.51 ug/l

RT: 3.32 min Scan# 273

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Instrument :

MSVOA\_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 228896

Ion Ratio Lower Upper

43 100

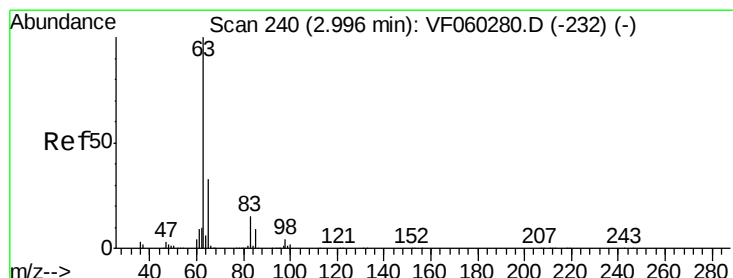
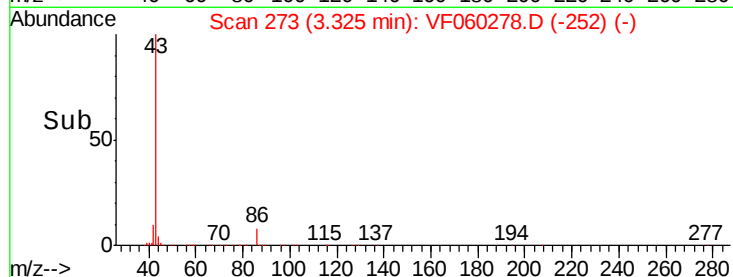
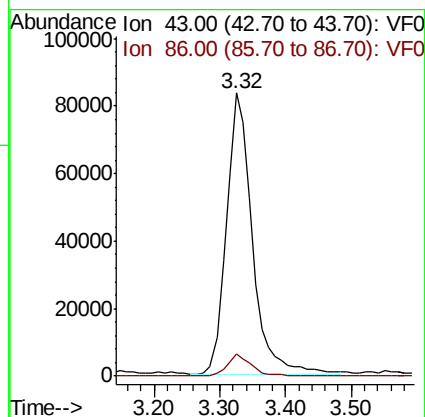
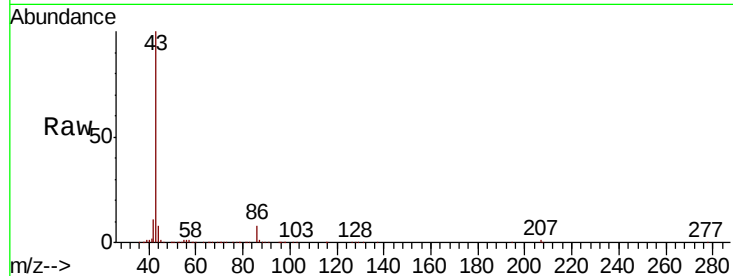
86 7.9 5.9 8.9

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 11.00 ug/l

RT: 3.00 min Scan# 240

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

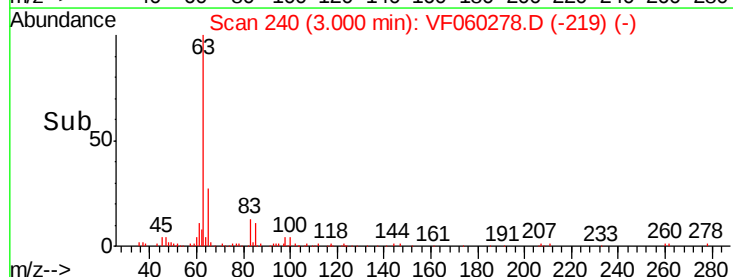
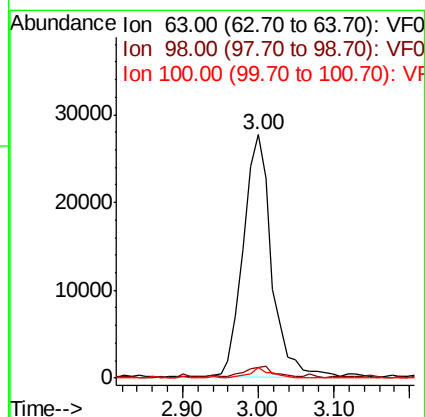
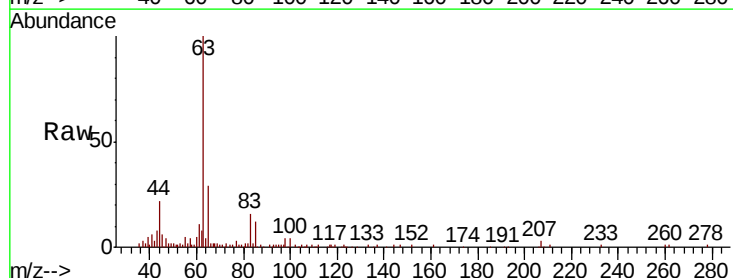
Tgt Ion: 63 Resp: 72285

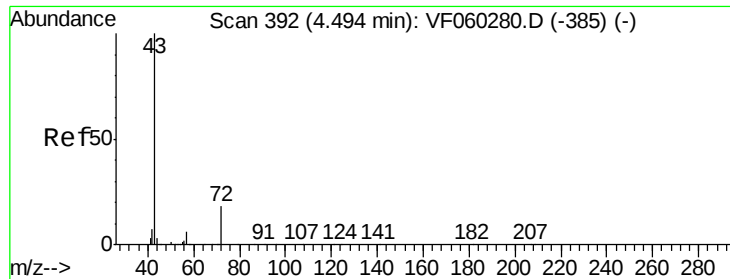
Ion Ratio Lower Upper

63 100

98 4.3 2.1 6.5

100 4.2 1.1 3.3#





#25

2-Butanone

Concen: 55.57 ug/l

RT: 4.50 min Scan# 392

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Tot Ion: 43 Resp: 76714

Ion Ratio Lower Upper

43 100

72 23.8 16.2 24.2

Instrument :

MSVOA\_F

ClientSampleId :

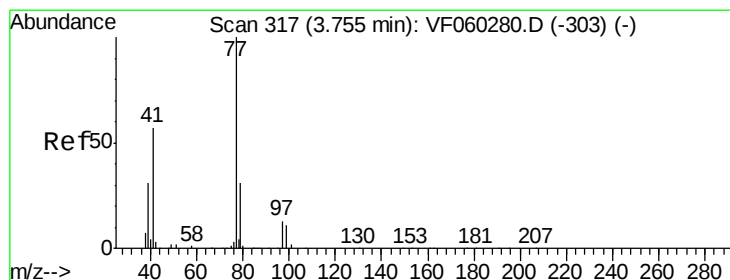
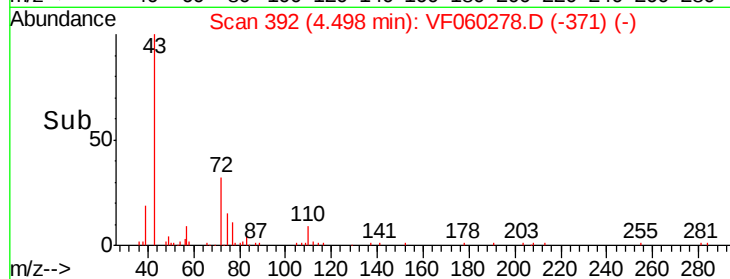
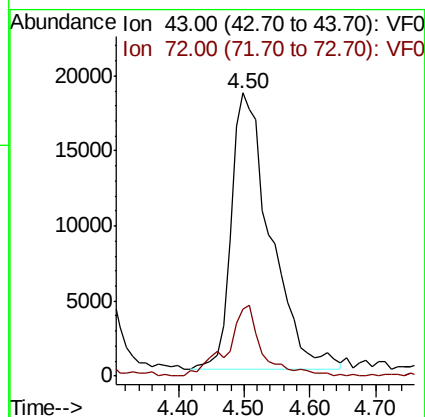
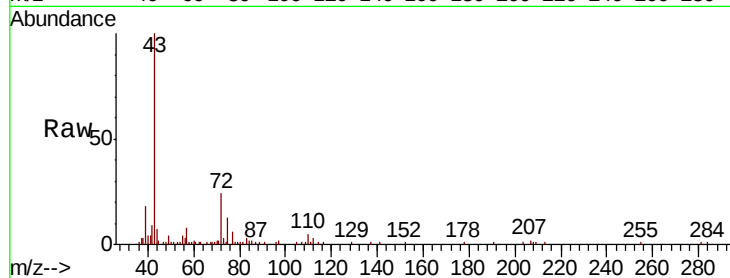
VSTDIC010

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 11.42 ug/l

RT: 3.76 min Scan# 317

Delta R.T. 0.00 min

Lab File: VF060278.D

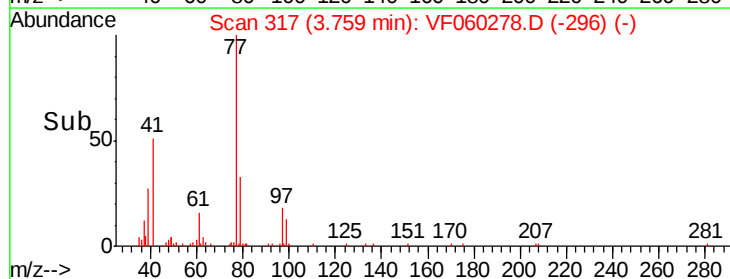
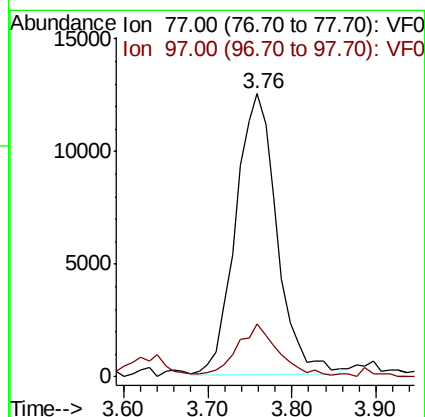
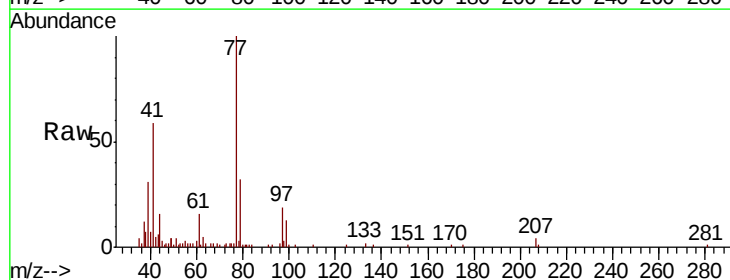
Acq: 19 Sep 2018 13:17

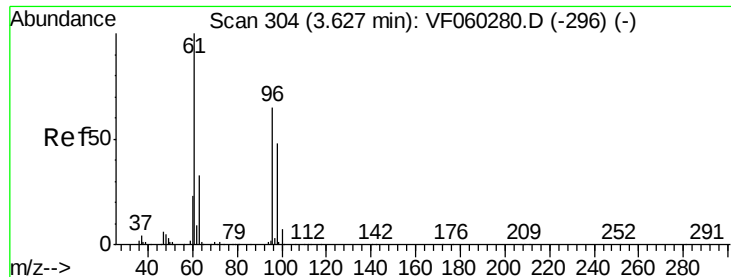
Tgt Ion: 77 Resp: 42837

Ion Ratio Lower Upper

77 100

97 18.5 9.3 27.9





#27

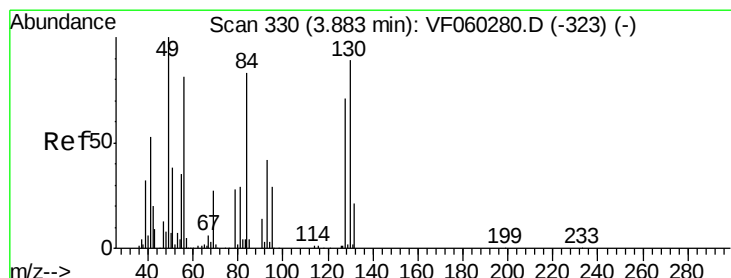
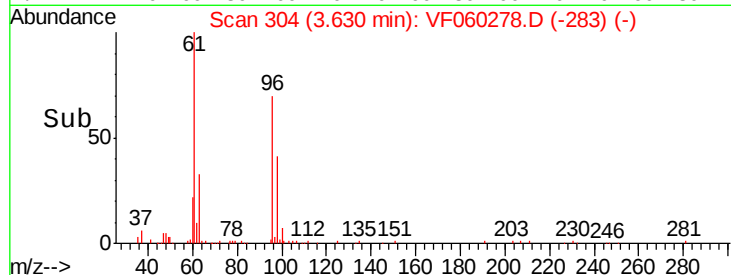
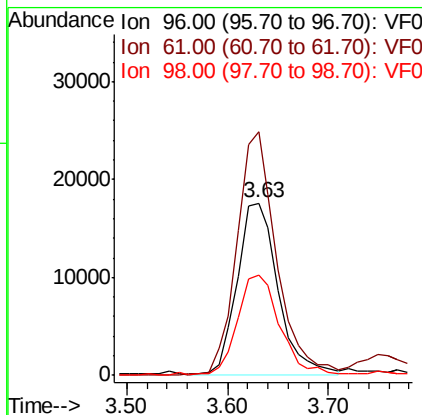
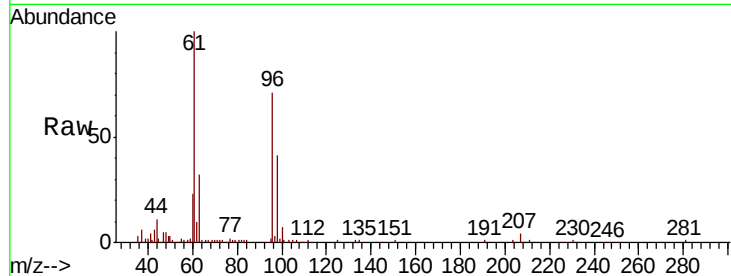
cis-1,2-Dichloroethene  
 Concen: 12.02 ug/l  
 RT: 3.63 min Scan# 304  
 Delta R.T. 0.00 min  
 Lab File: VF060278.D  
 Acq: 19 Sep 2018 13:17

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDIC010

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 96      | 100   | 50218 |       |       |
| 61      | 136.0 |       | 0.0   | 304.8 |
| 98      | 56.1  |       | 0.0   | 146.4 |

Manual Integrations  
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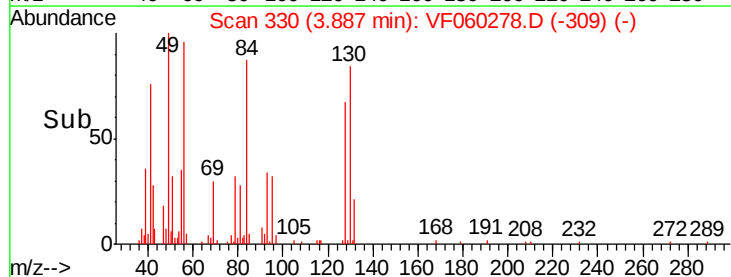
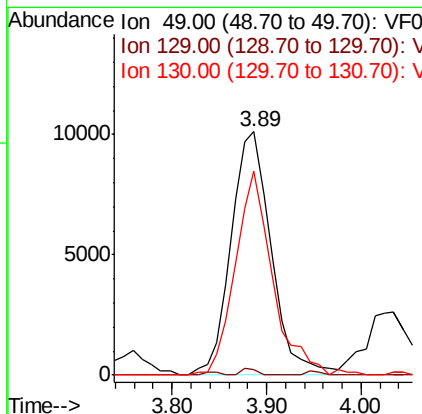
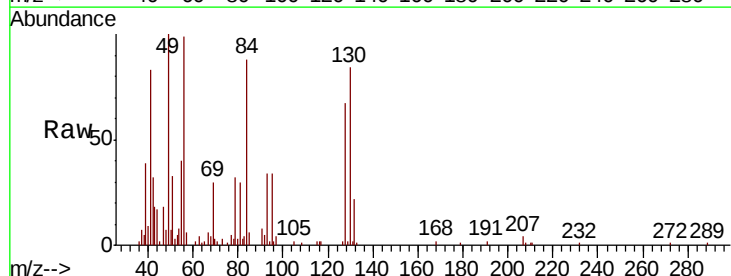
apatel  
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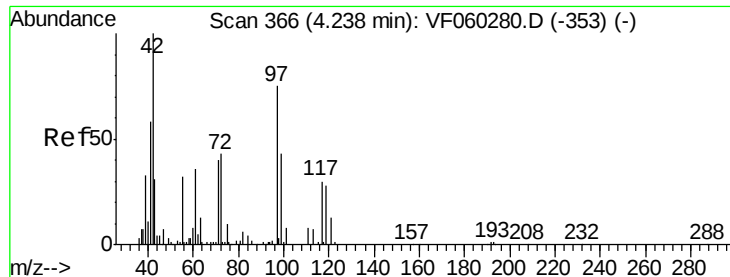


#28

Bromochloromethane  
 Concen: 11.68 ug/l  
 RT: 3.89 min Scan# 330  
 Delta R.T. 0.00 min  
 Lab File: VF060278.D  
 Acq: 19 Sep 2018 13:17

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 49      | 100   | 29880 |       |       |
| 129     | 2.1   |       | 0.0   | 4.2   |
| 130     | 83.9  |       | 70.3  | 105.5 |





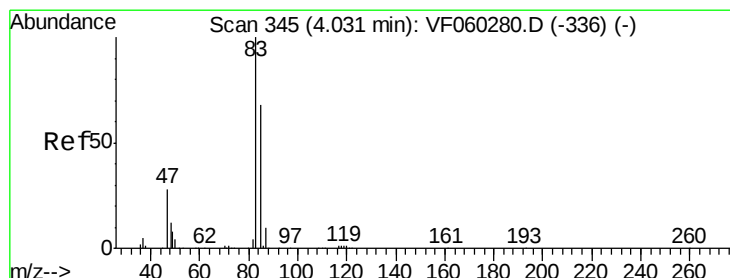
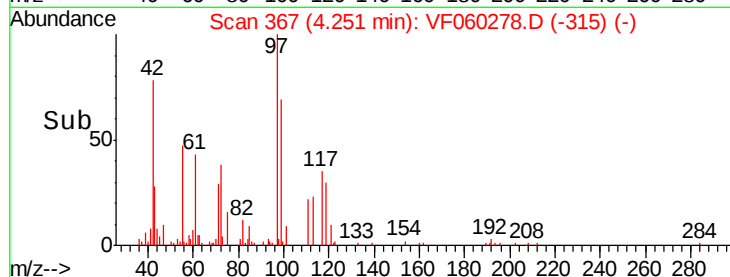
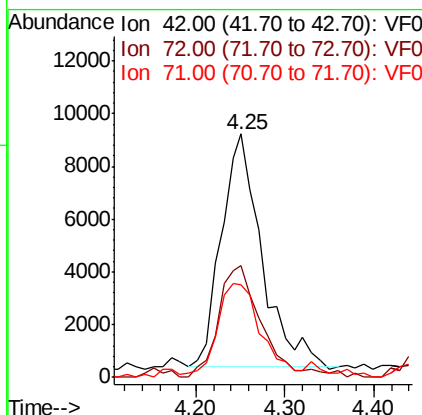
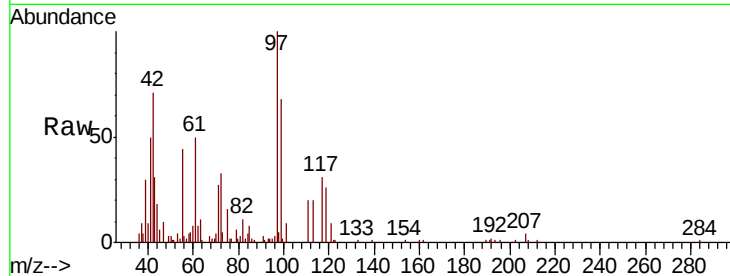
#29  
Tetrahydrofuran  
Concen: 54.88 ug/l  
RT: 4.25 min Scan# 367  
Delta R.T. 0.01 min  
Lab File: VF060278.D  
Acq: 19 Sep 2018 13:17

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 52.0  | 32.6  | 49.0  |
| 71      | 40.3  | 32.7  | 49.1  |

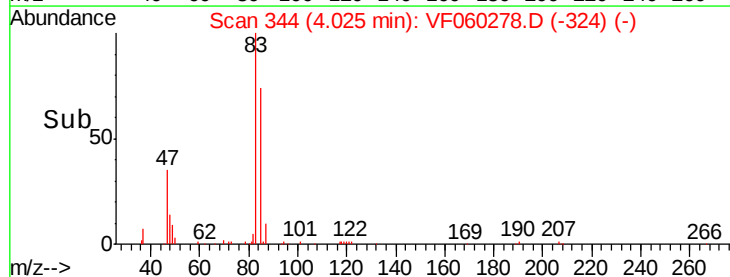
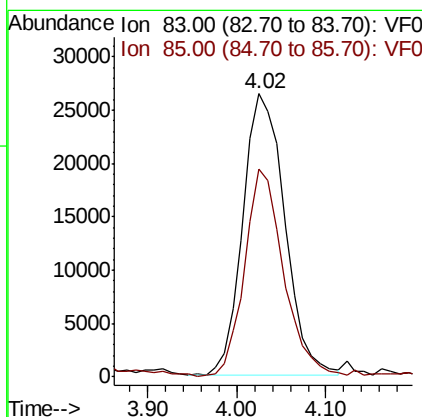
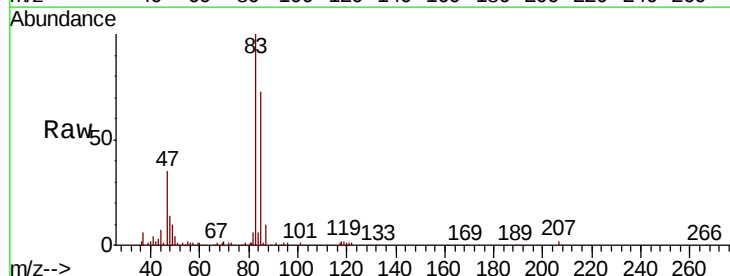
Manual Integrations  
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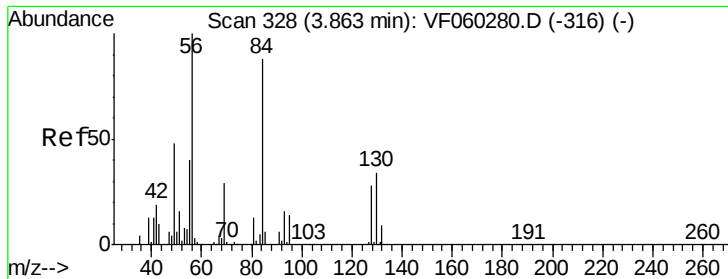
apatel  
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#30  
Chloroform  
Concen: 10.86 ug/l  
RT: 4.02 min Scan# 344  
Delta R.T. -0.01 min  
Lab File: VF060278.D  
Acq: 19 Sep 2018 13:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 73.5  | 54.9  | 82.3  |





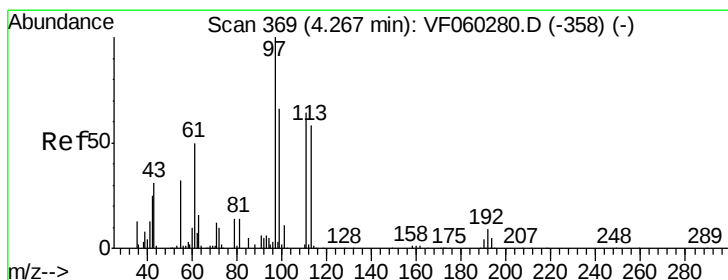
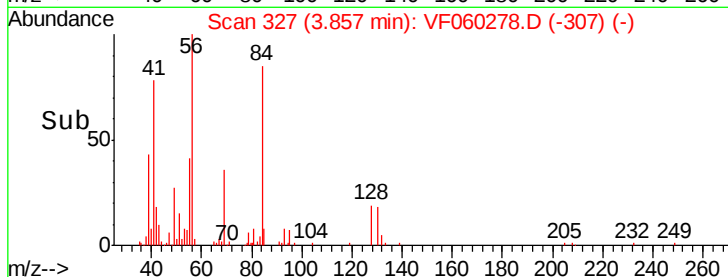
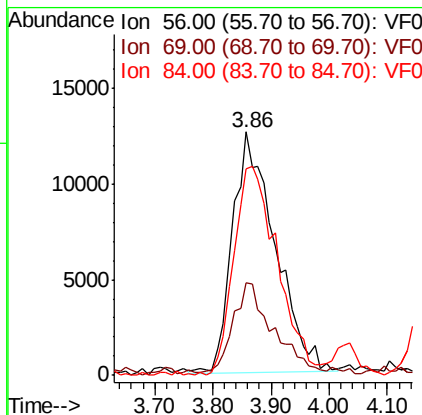
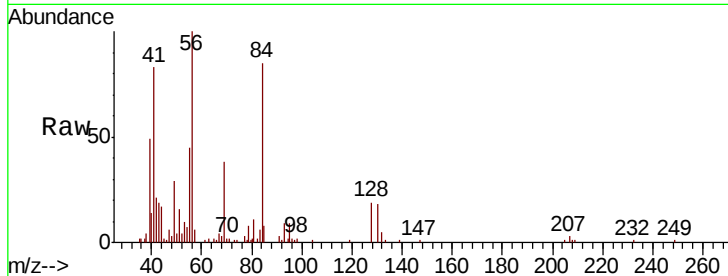
#31  
Cyclohexane  
Concen: 11.62 ug/l  
RT: 3.86 min Scan# 327  
Delta R.T. -0.01 min  
Lab File: VF060278.D  
Acq: 19 Sep 2018 13:17

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 38.0  | 23.8  | 35.6# |
| 84      | 85.0  | 70.2  | 105.4 |

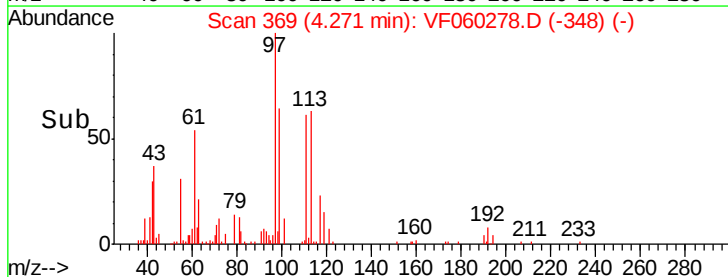
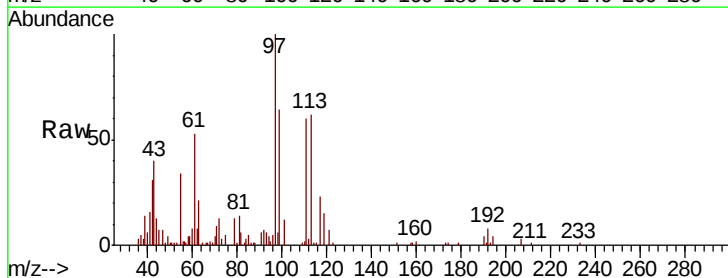
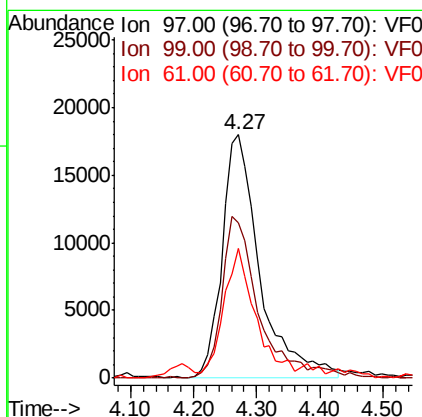
Manual Integrations  
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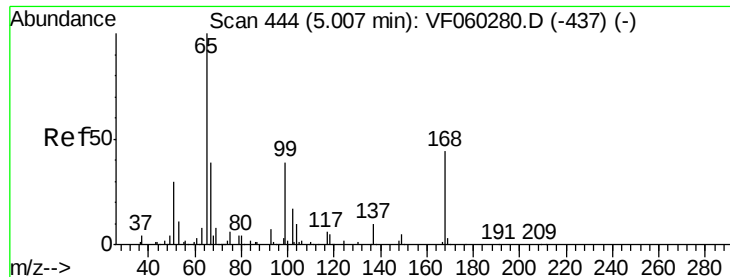
apatel  
9/20/2018 11:41:17 AM



#32  
1,1,1-Trichloroethane  
Concen: 11.92 ug/l  
RT: 4.27 min Scan# 369  
Delta R.T. 0.00 min  
Lab File: VF060278.D  
Acq: 19 Sep 2018 13:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 63.9  | 53.0  | 79.4  |
| 61      | 53.3  | 40.6  | 61.0  |





#33

1,2-Dichloroethane-d4

Concen: 10.34 ug/l

RT: 5.01 min Scan# 444

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Instrument :

MSVOA\_F

ClientSampleId :

VSTDIC010

Tot Ion: 65 Resp: 37641

Ion Ratio Lower Upper

65 100

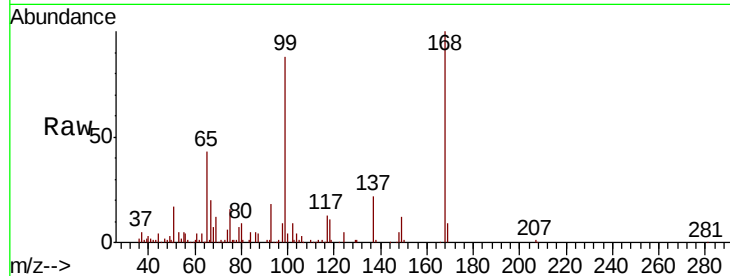
67 47.7 0.0 94.4

Manual Integrations

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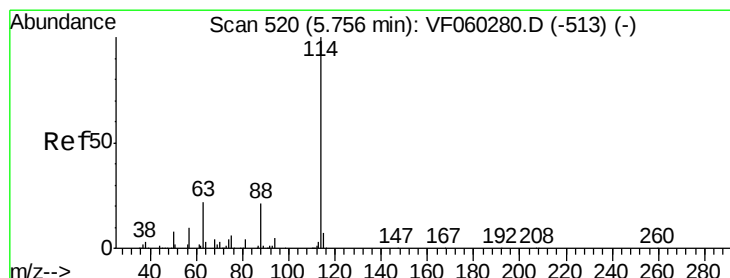
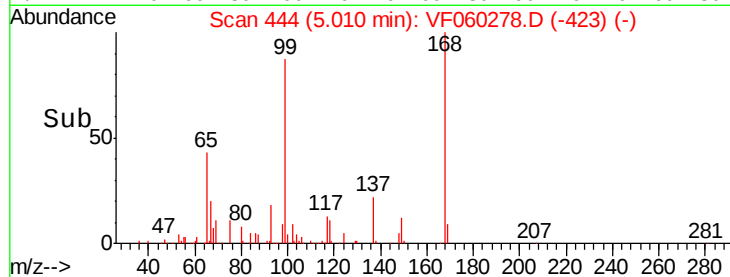
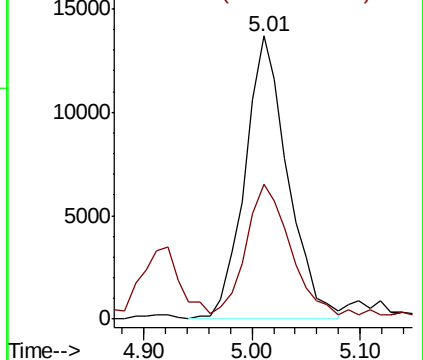
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 520

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

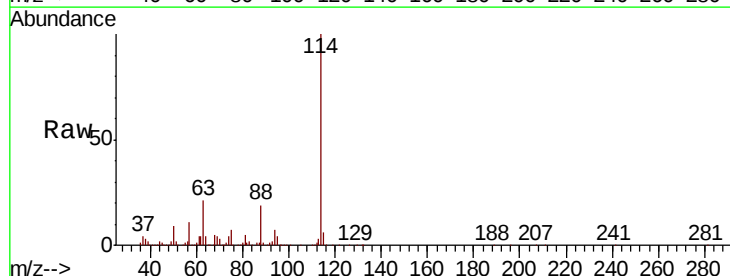
Tgt Ion: 114 Resp: 446435

Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.8

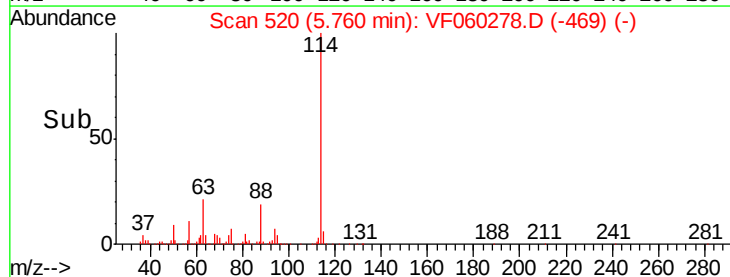
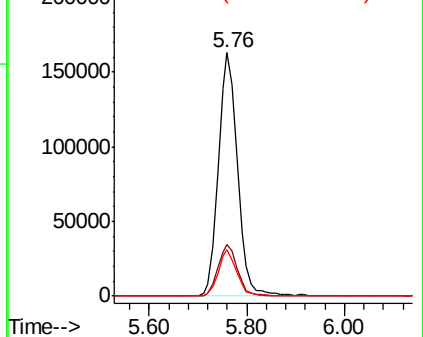
88 19.0 0.0 41.2

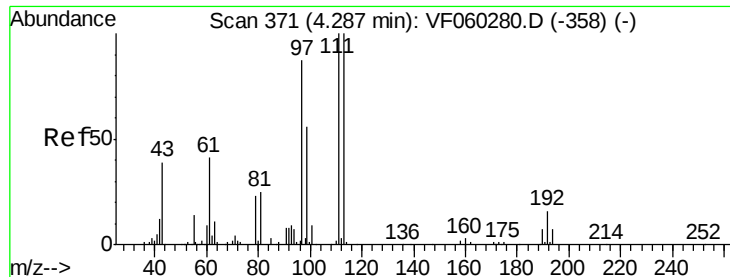


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 11.18 ug/l

RT: 4.28 min Scan# 370

Delta R.T. -0.01 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Instrument :

MSVOA\_F

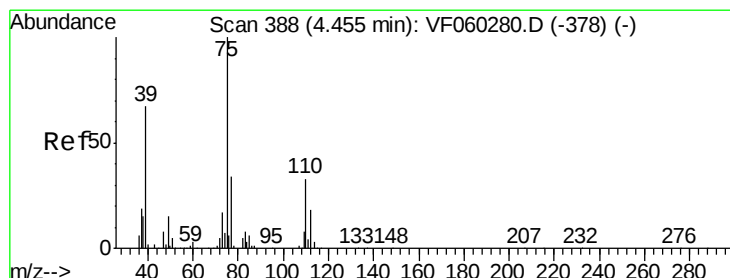
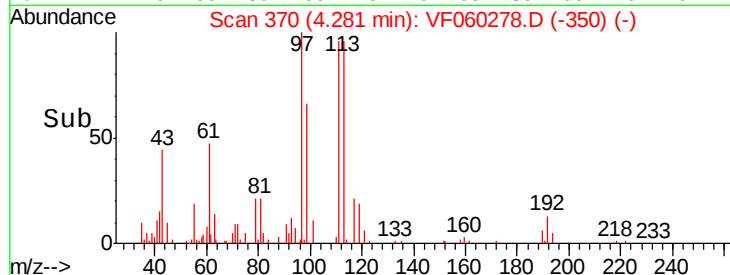
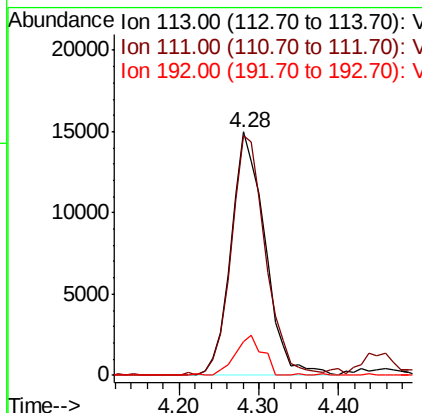
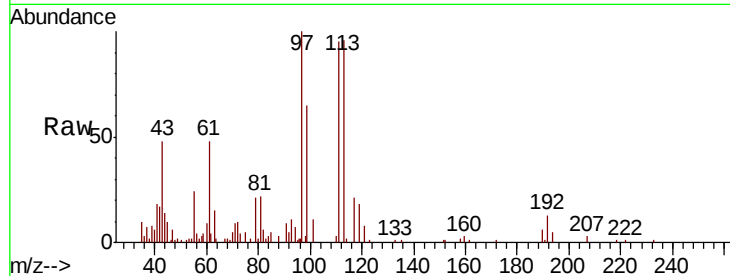
ClientSampleId :

VSTDIC010

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 113   | Resp: | 44508 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 98.5  | 79.6  | 119.4 |
| 192      | 13.8  | 13.0  | 19.6  |

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#36

1,1-Dichloropropene

Concen: 12.42 ug/l

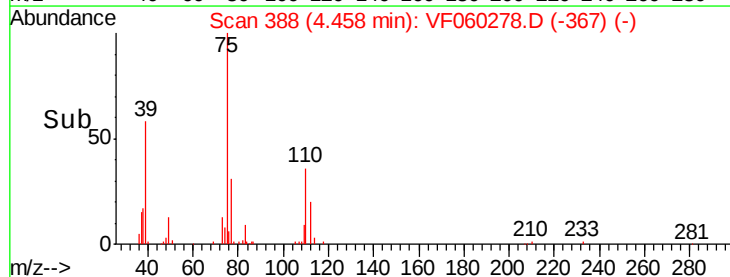
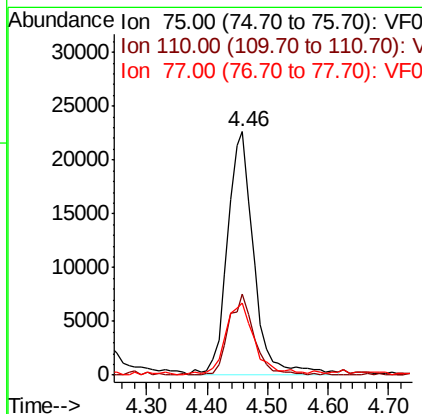
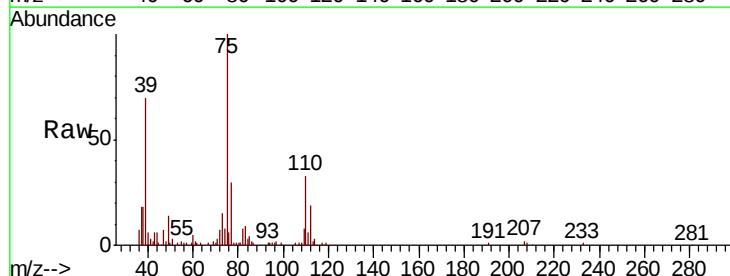
RT: 4.46 min Scan# 388

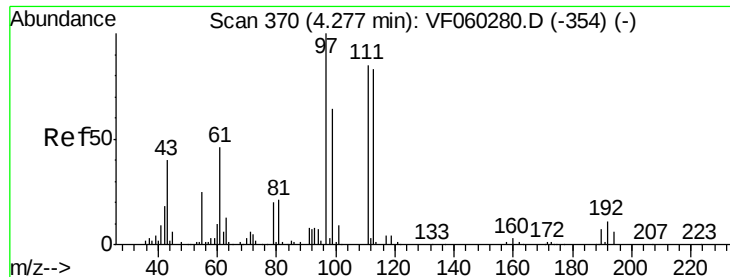
Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 69167 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 33.2  | 16.4  | 49.2  |
| 77       | 29.7  | 27.3  | 40.9  |





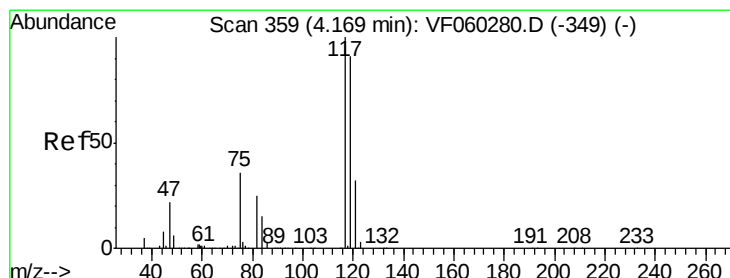
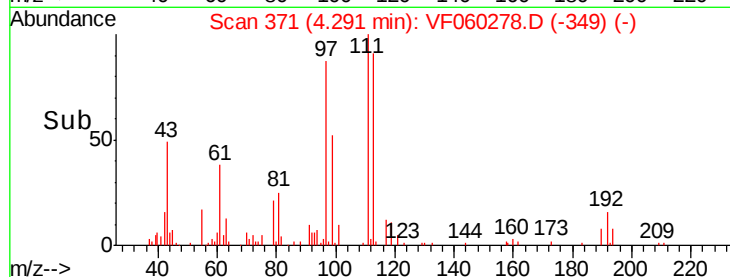
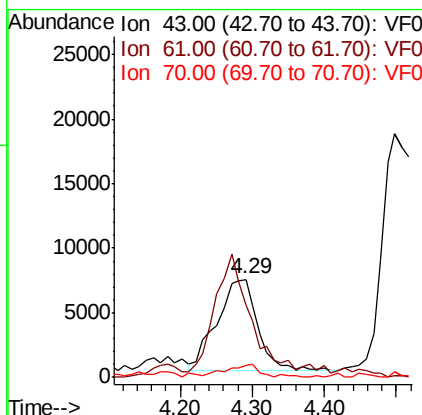
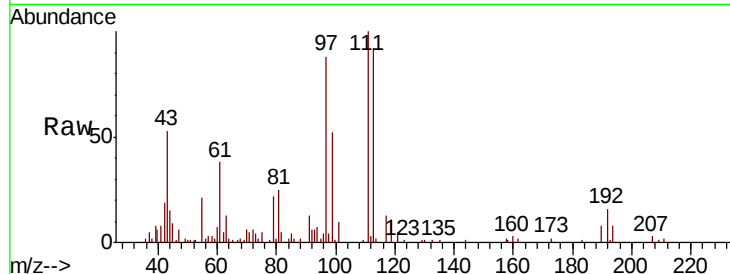
#37  
Ethyl Acetate  
Concen: 11.87 ug/l  
RT: 4.29 min Scan# 371  
Delta R.T. 0.01 min  
Lab File: VF060278.D  
Acq: 19 Sep 2018 13:17

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDIC010

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 43      | 100   |       |        |
| 61      | 72.9  | 91.1  | 136.7# |
| 70      | 11.6  | 6.9   | 10.3#  |

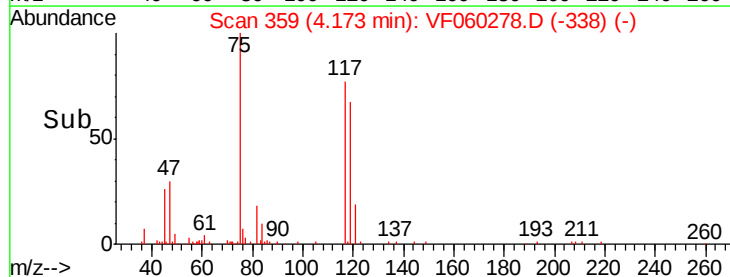
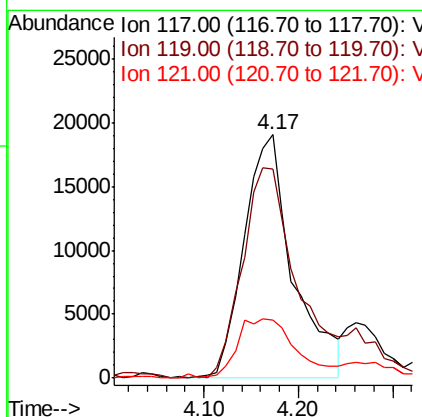
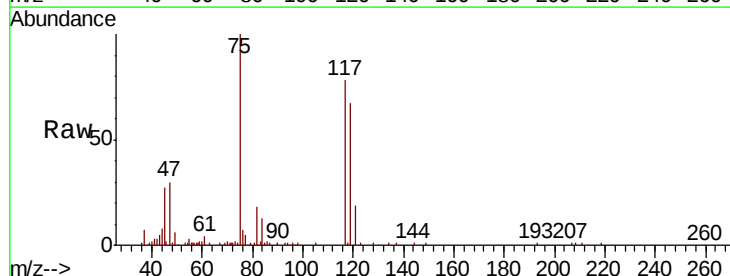
Manual Integrations  
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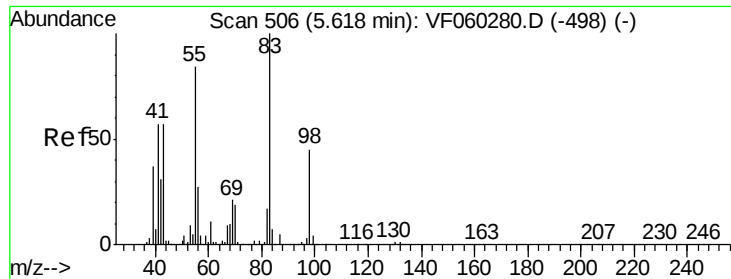
apatel  
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#38  
Carbon Tetrachloride  
Concen: 10.81 ug/l m  
RT: 4.17 min Scan# 359  
Delta R.T. 0.00 min  
Lab File: VF060278.D  
Acq: 19 Sep 2018 13:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 86.6  | 73.0  | 109.6 |
| 121     | 24.1  | 25.4  | 38.2# |





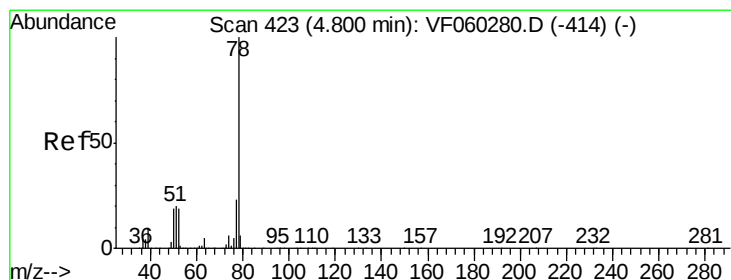
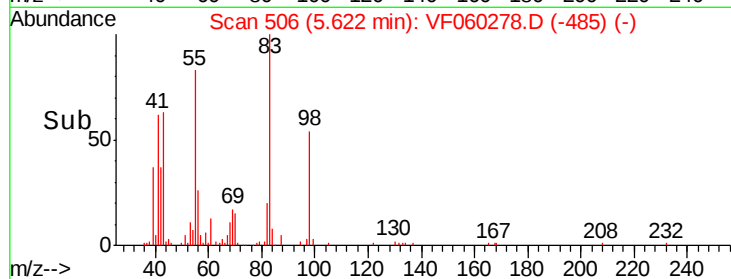
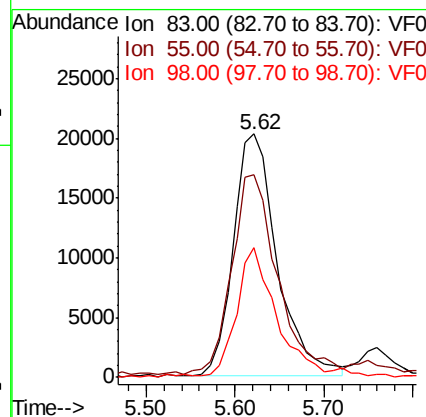
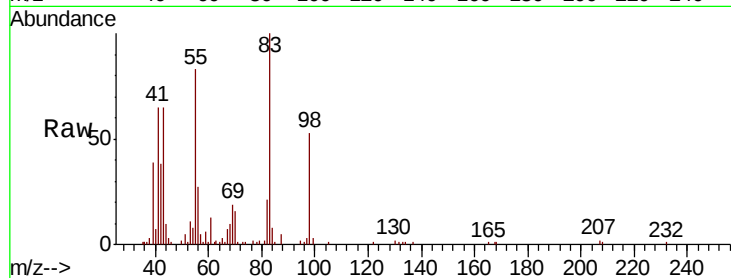
#39  
Methvlcvclohexane  
Concen: 11.50 ug/l  
RT: 5.62 min Scan# 506  
Delta R.T. 0.00 min  
Lab File: VF060278.D  
Acq: 19 Sep 2018 13:17

Instrument :  
MSVOA\_F  
ClientSampled :  
VSTDIC010

| Tot Ion   | 83    | Resp  | 69378 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 55        | 83.5  | 67.3  | 100.9 |
| 98        | 53.1  | 36.1  | 54.1  |

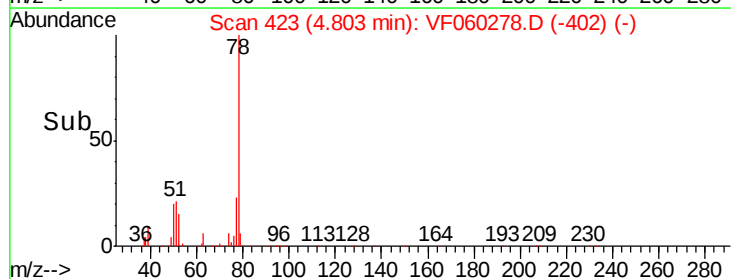
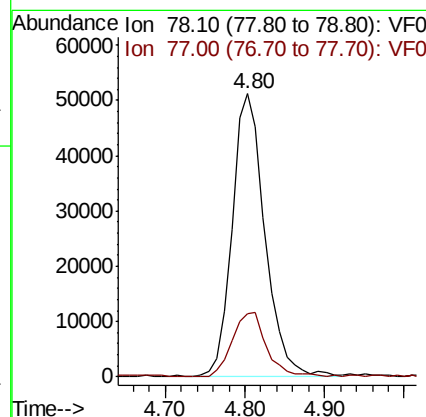
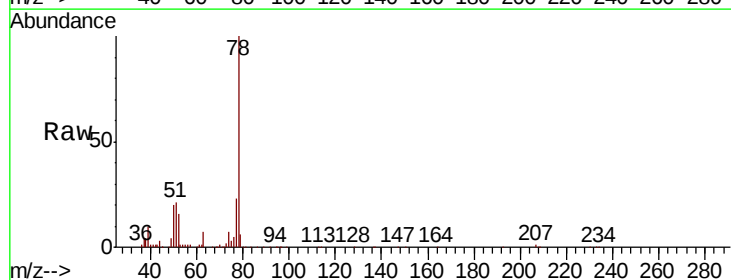
Manual Integrations  
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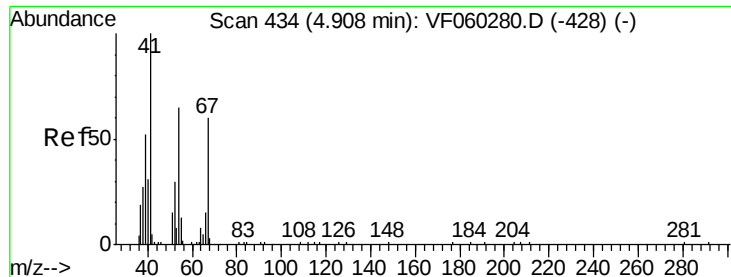
apatel  
9/20/2018 11:41:17 AM



#40  
Benzene  
Concen: 11.68 ug/l  
RT: 4.80 min Scan# 423  
Delta R.T. 0.00 min  
Lab File: VF060278.D  
Acq: 19 Sep 2018 13:17

| Tgt Ion   | 78    | Resp  | 147476 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 78        | 100   |       |        |
| 77        | 22.5  | 18.4  | 27.6   |





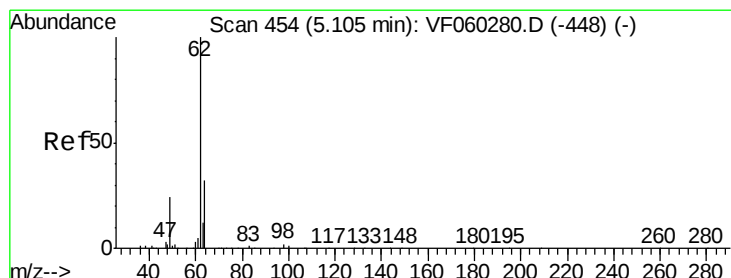
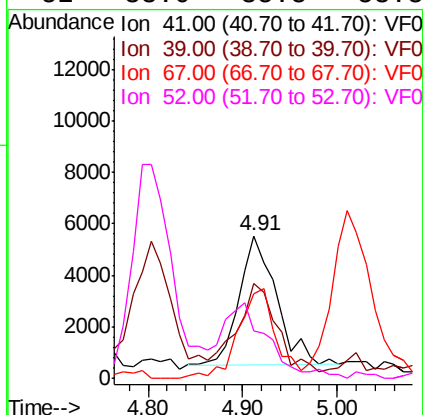
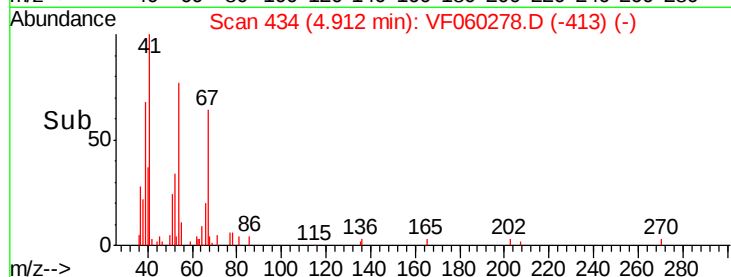
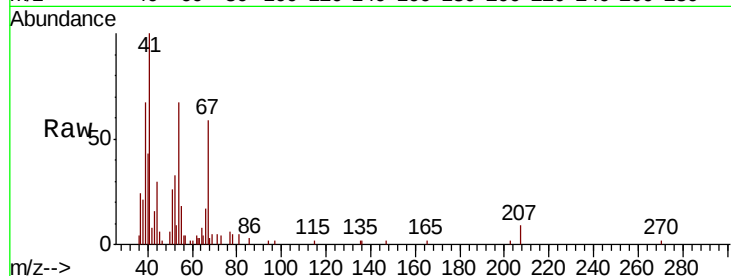
#41  
Methacrylonitrile  
Concen: 10.79 ug/l  
RT: 4.91 min Scan# 434  
Delta R.T. 0.00 min  
Lab File: VF060278.D  
Acq: 19 Sep 2018 13:17

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDIC010

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 13797 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 66.5  | 49.1  | 73.7  |
| 67       | 59.5  | 48.2  | 72.4  |
| 52       | 33.0  | 35.8  | 53.8# |

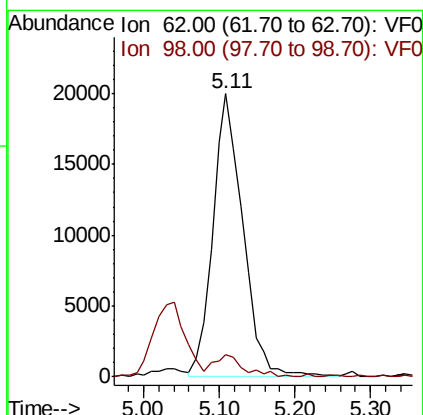
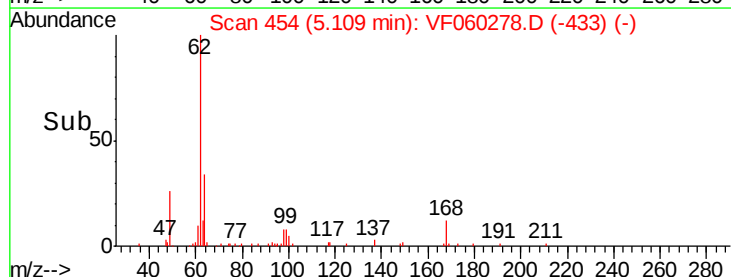
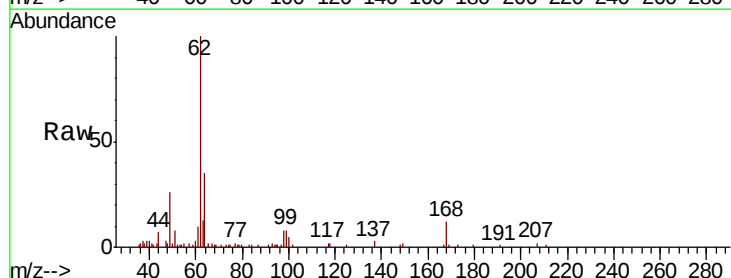
Manual Integrations  
APPROVED

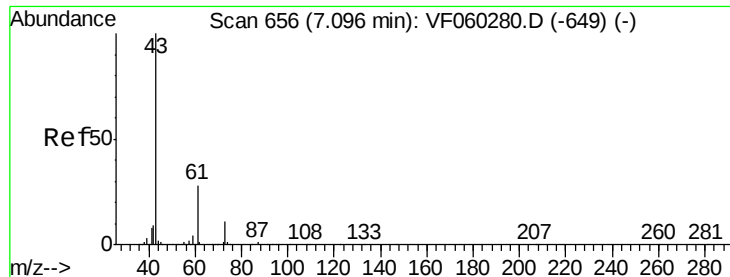
apatel  
9/20/2018 11:41:17 AM



#42  
1,2-Dichloroethane  
Concen: 11.89 ug/l  
RT: 5.11 min Scan# 454  
Delta R.T. 0.00 min  
Lab File: VF060278.D  
Acq: 19 Sep 2018 13:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 55263 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 7.7   | 0.0   | 14.4  |





#43

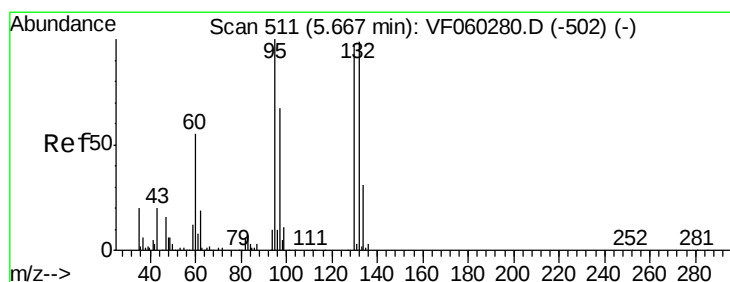
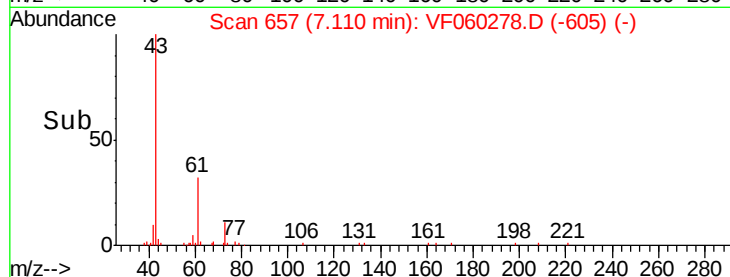
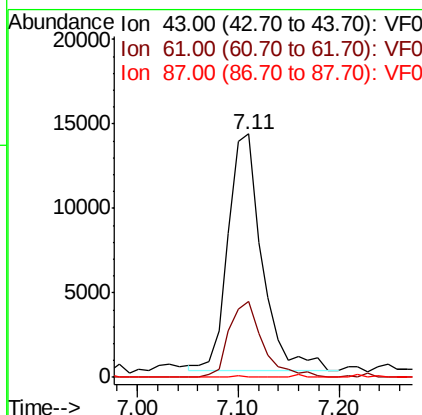
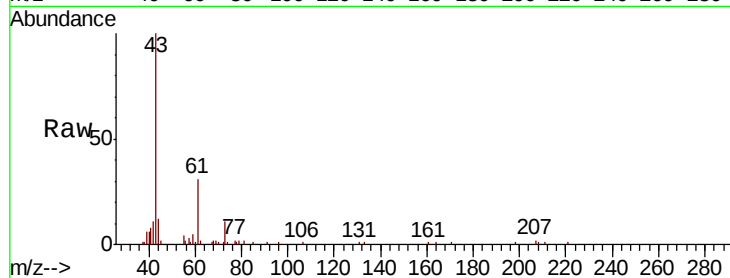
Isopropyl Acetate  
 Concen: 11.63 ug/l  
 RT: 7.11 min Scan# 657  
 Delta R.T. 0.01 min  
 Lab File: VF060278.D  
 Acq: 19 Sep 2018 13:17

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDIC010

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 43      | 100   |      |       |       |
| 61      | 31.1  | 22.4 | 33.6  |       |
| 87      | 0.0   | 0.6  | 0.8   |       |

Manual Integrations  
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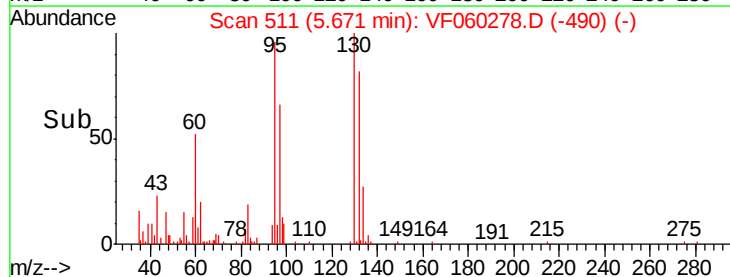
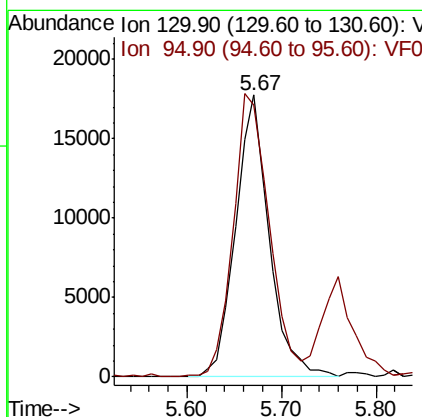
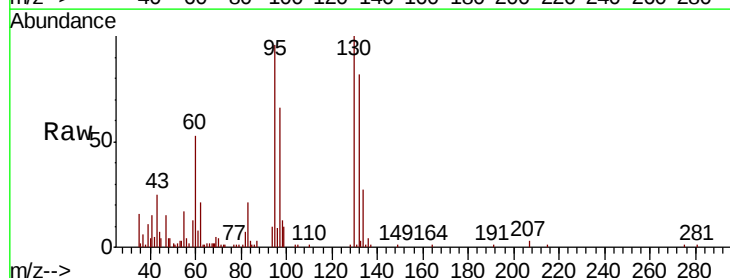
apatel  
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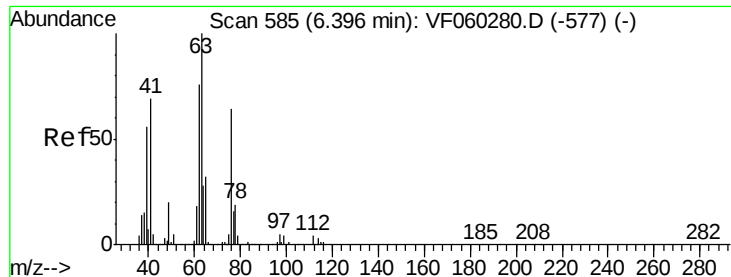


#44

Trichloroethene  
 Concen: 11.56 ug/l  
 RT: 5.67 min Scan# 511  
 Delta R.T. 0.00 min  
 Lab File: VF060278.D  
 Acq: 19 Sep 2018 13:17

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 130     | 100   |      |       |       |
| 95      | 96.5  | 0.0  | 205.6 |       |





#45

1,2-Dichloropropane

Concen: 10.94 ug/l

RT: 6.40 min Scan# 585

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Instrument :

MSVOA\_F

ClientSampleId :

VSTDIC010

Tot Ion: 63 Resp: 35761

Ion Ratio Lower Upper

63 100

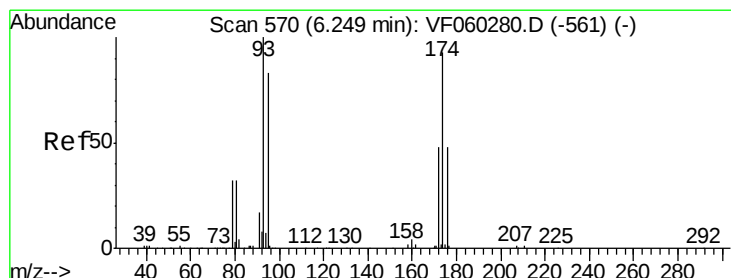
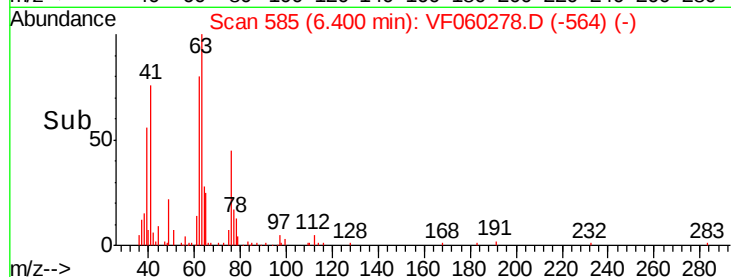
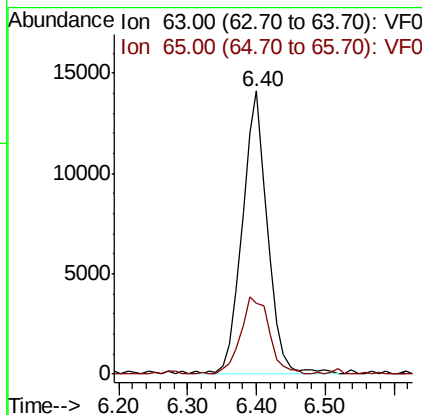
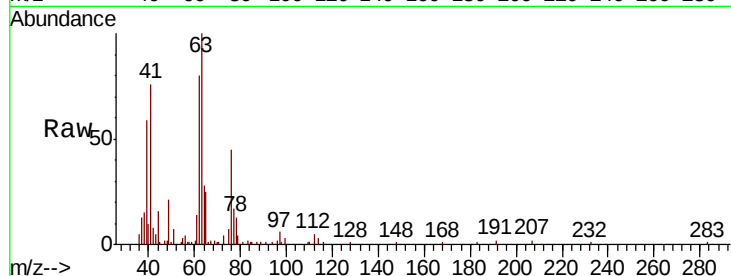
65 25.1 26.2 39.4#

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#46

Dibromomethane

Concen: 11.89 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.01 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

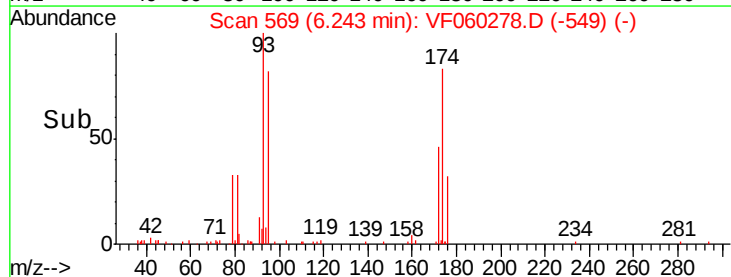
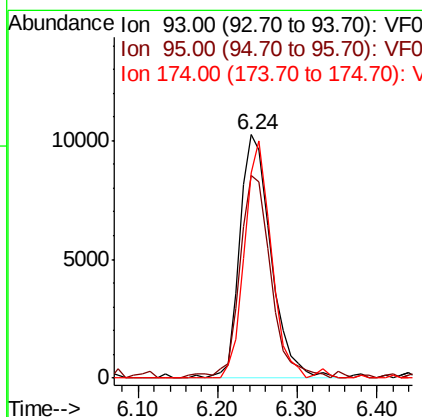
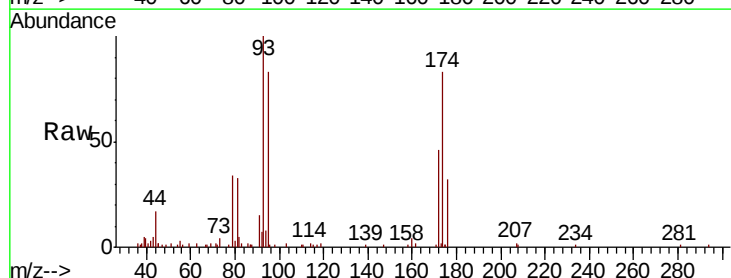
Tgt Ion: 93 Resp: 27766

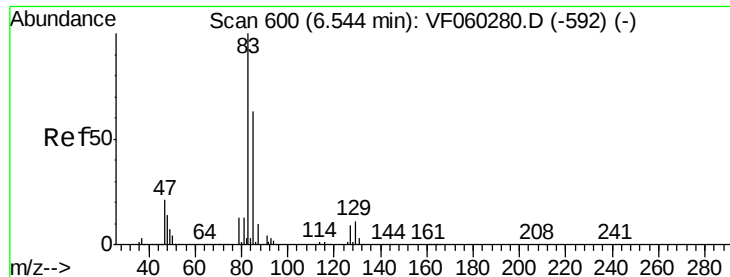
Ion Ratio Lower Upper

93 100

95 83.4 67.0 100.6

174 84.4 74.8 112.2





#47

Bromodichloromethane

Concen: 11.70 ug/l

RT: 6.54 min Scan# 599

Delta R.T. -0.01 min

Lab File: VF060278.D

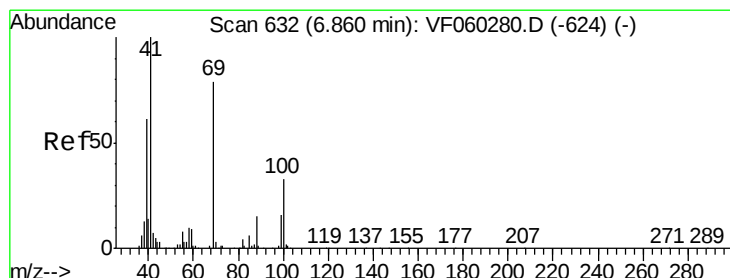
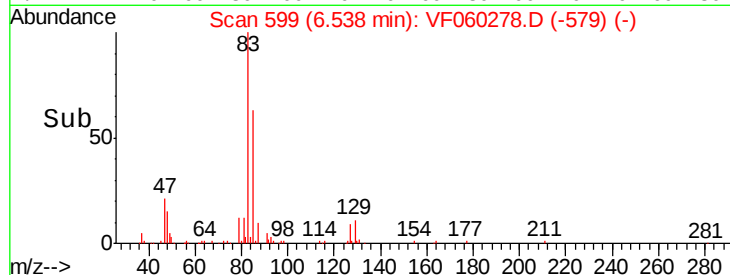
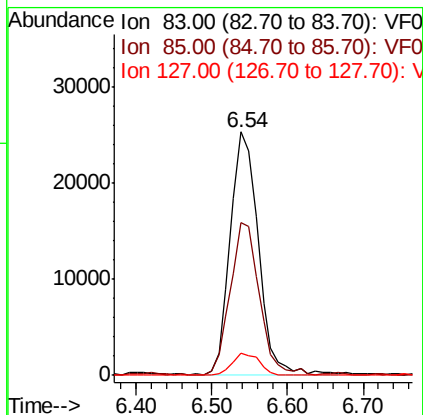
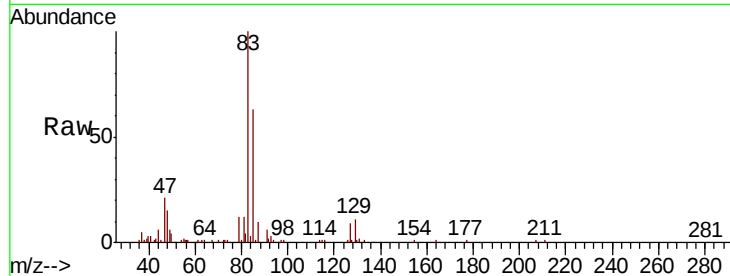
Acq: 19 Sep 2018 13:17

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 65657 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 85        | 62.6  | 50.6  | 76.0  |
| 127       | 10.2  | 7.1   | 10.7  |

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDIC010

Manual Integrations  
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#48

Methyl methacrylate

Concen: 12.06 ug/l

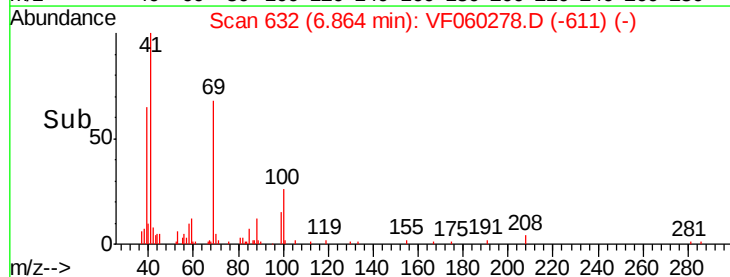
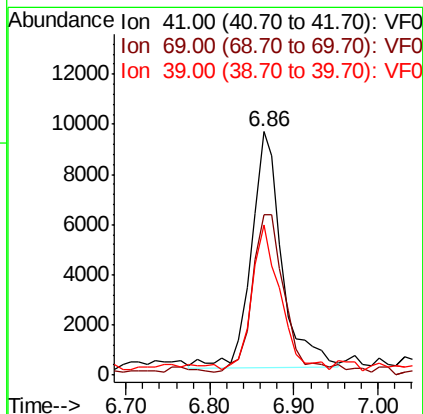
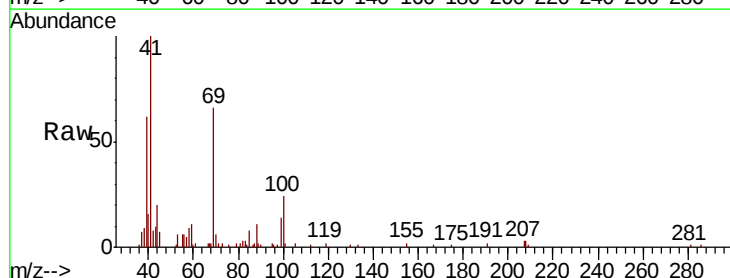
RT: 6.86 min Scan# 632

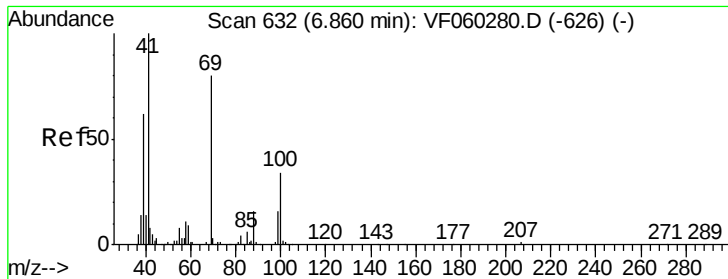
Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 41    | Resp: | 24021 |
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 69        | 65.8  | 62.6  | 94.0  |
| 39        | 61.9  | 49.1  | 73.7  |





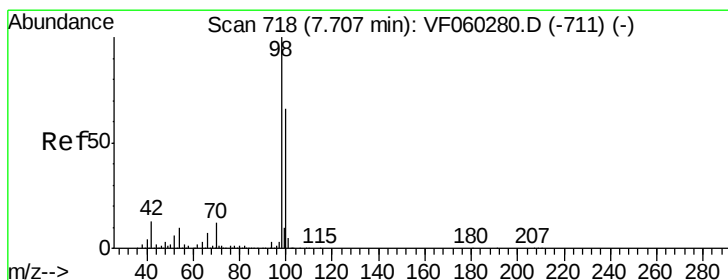
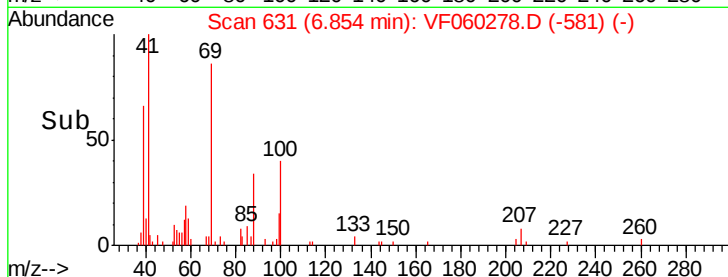
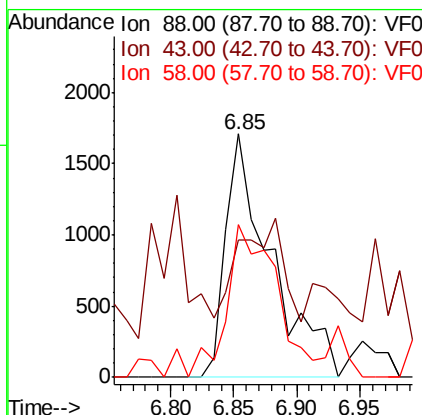
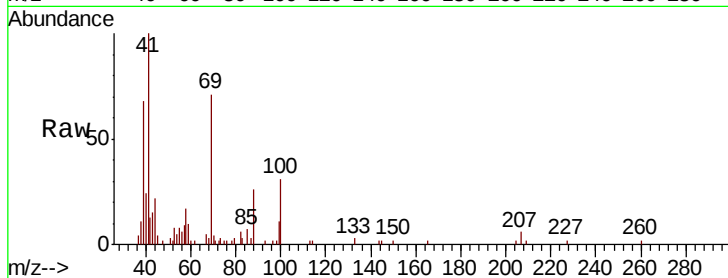
#49  
 1,4-Dioxane  
 Concen: 239.52 ug/l  
 RT: 6.85 min Scan# 631  
 Delta R.T. -0.01 min  
 Lab File: VF060278.D  
 Acq: 19 Sep 2018 13:17

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 56.3  | 40.2  | 60.4  |
| 58      | 62.9  | 56.7  | 85.1  |

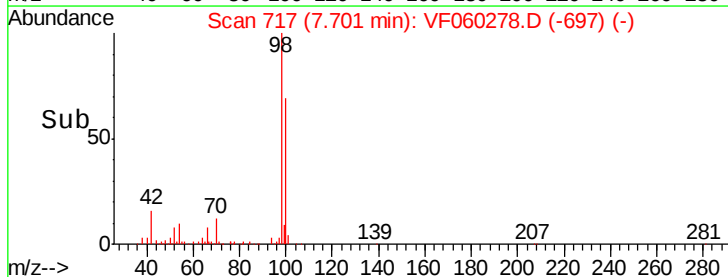
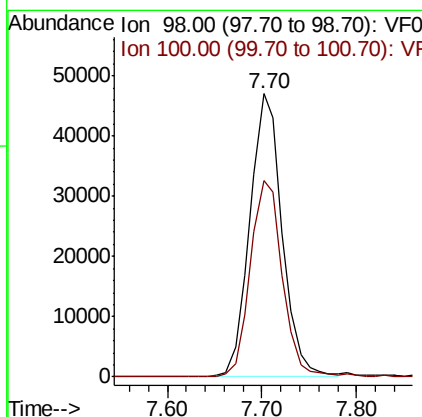
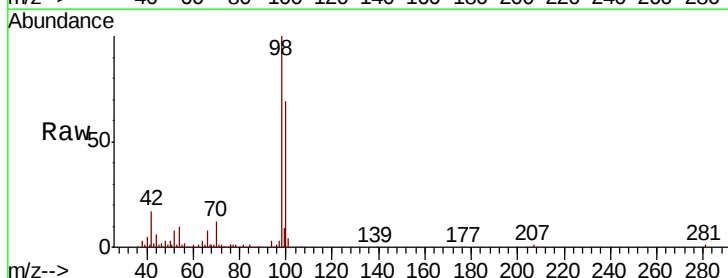
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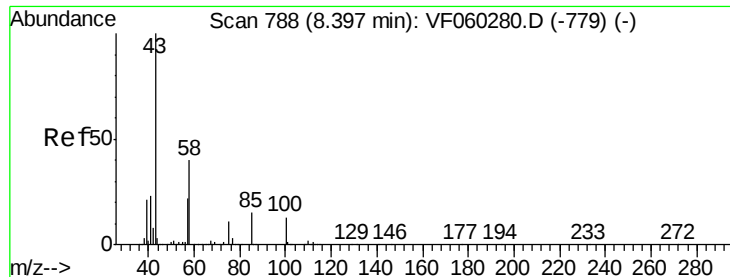
apatel  
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#50  
 Toluene-d8  
 Concen: 10.75 ug/l  
 RT: 7.70 min Scan# 717  
 Delta R.T. -0.01 min  
 Lab File: VF060278.D  
 Acq: 19 Sep 2018 13:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 69.4  | 53.0  | 79.6  |





#51

4-Methyl-2-Pentanone

Concen: 55.07 ug/l

RT: 8.40 min Scan# 788

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Instrument :

MSVOA\_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 120399

Ion Ratio Lower Upper

43 100

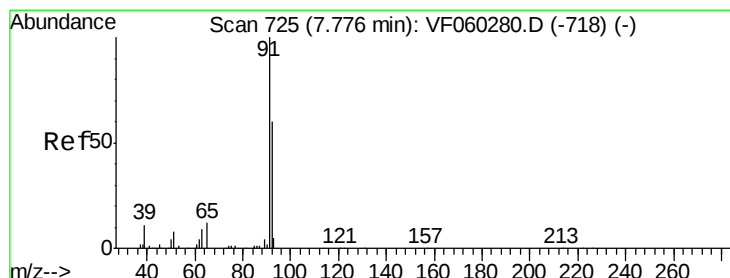
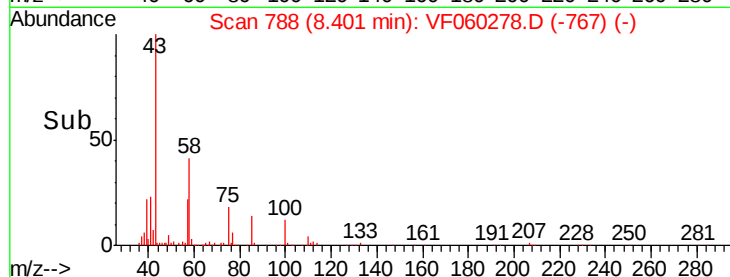
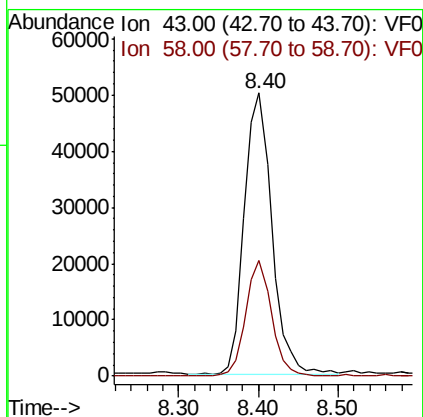
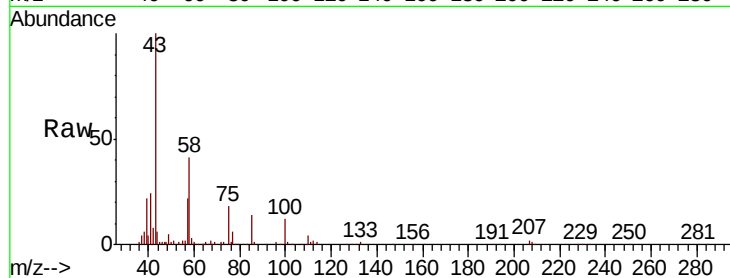
58 41.0 31.8 47.8

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#52

Toluene

Concen: 11.35 ug/l

RT: 7.77 min Scan# 724

Delta R.T. -0.01 min

Lab File: VF060278.D

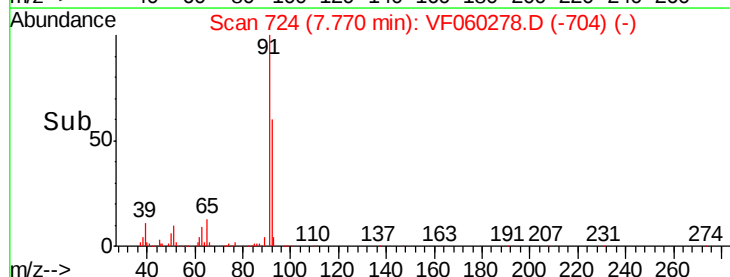
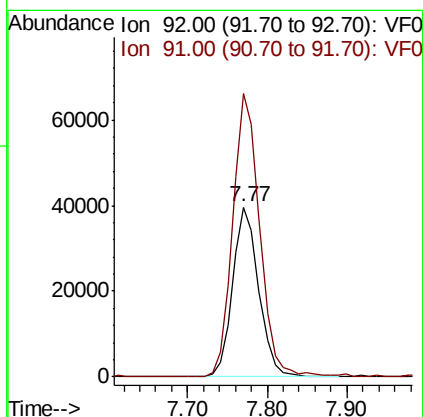
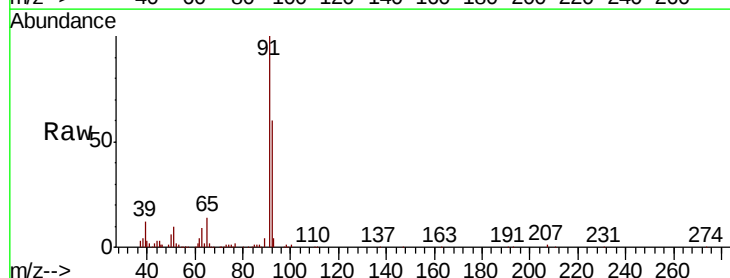
Acq: 19 Sep 2018 13:17

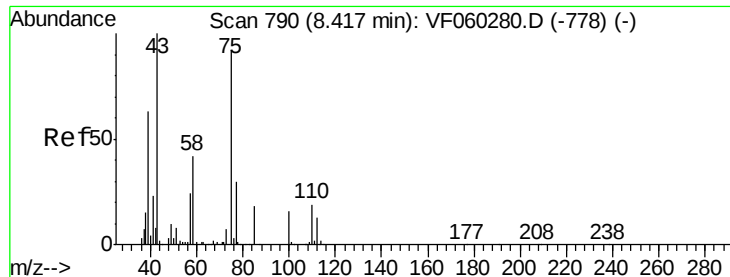
Tgt Ion: 92 Resp: 90658

Ion Ratio Lower Upper

92 100

91 166.7 133.3 199.9





#53

t-1,3-Dichloropropene

Concen: 10.95 ug/l

RT: 8.42 min Scan# 790

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Tot Ion: 75 Resp: 49573

Ion Ratio Lower Upper

75 100

77 34.6 25.9 38.9

Instrument :

MSVOA\_F

ClientSampleId :

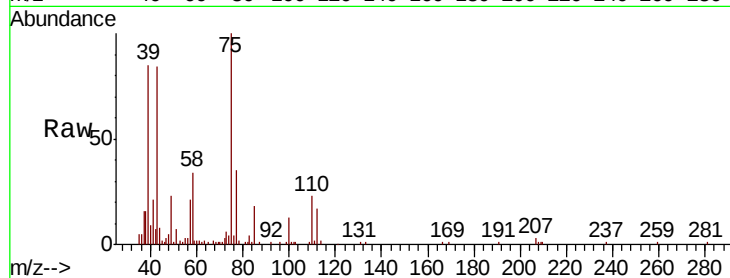
VSTDIC010

Manual Integrations

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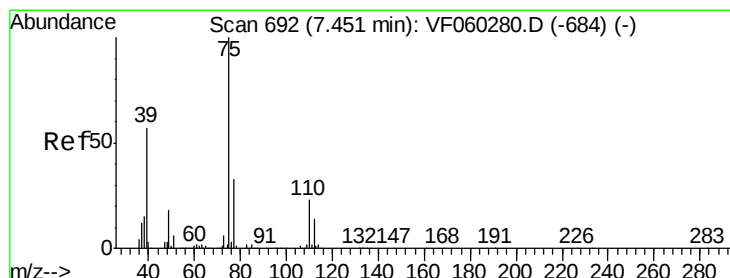
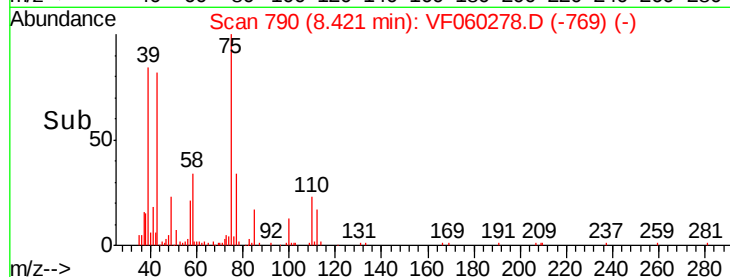
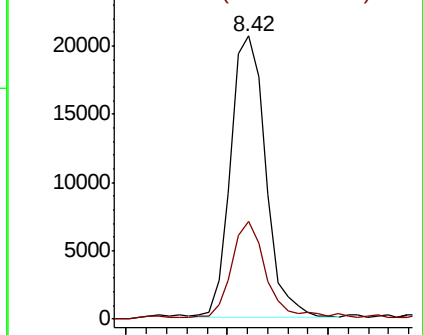
apatel

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 11.54 ug/l

RT: 7.46 min Scan# 692

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

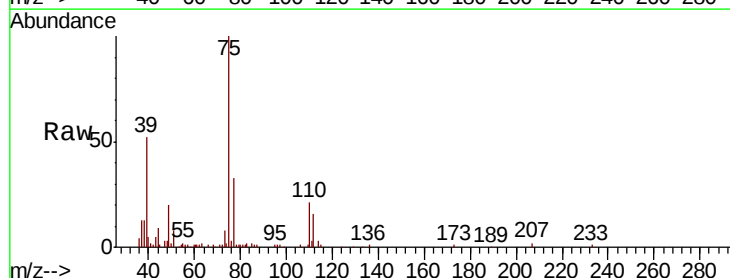
Tgt Ion: 75 Resp: 65834

Ion Ratio Lower Upper

75 100

77 32.5 26.3 39.5

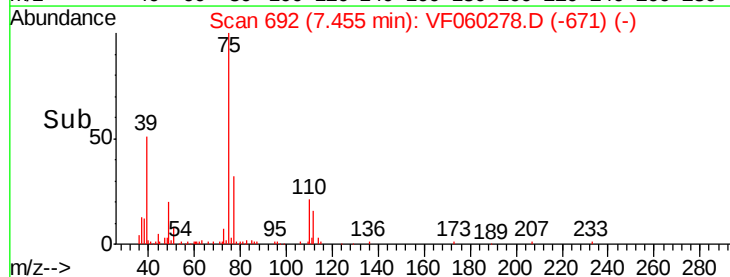
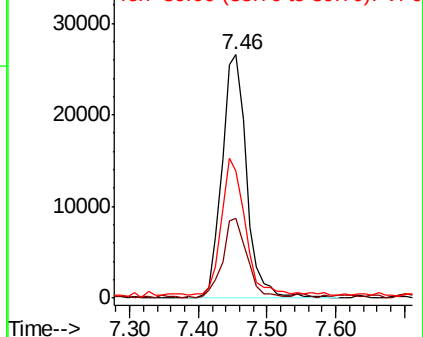
39 52.2 46.1 69.1

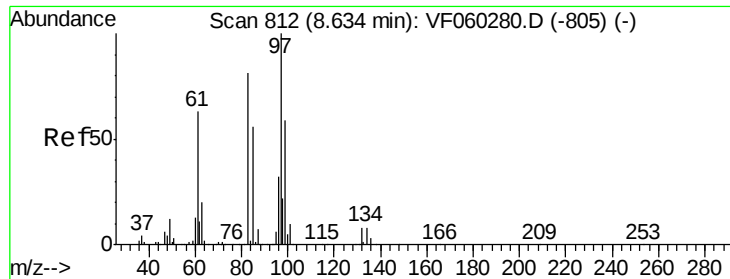


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 10.85 ug/l

RT: 8.64 min Scan# 812

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Instrument :

MSVOA\_F

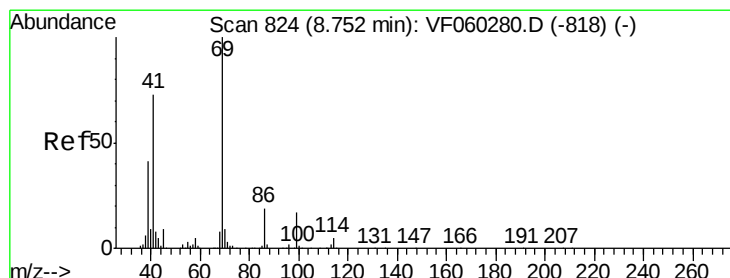
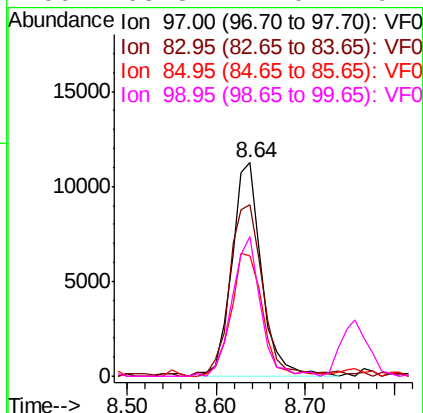
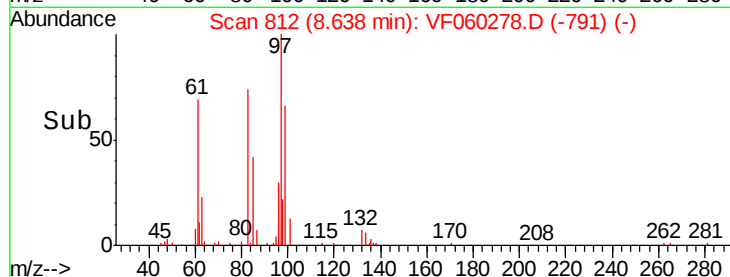
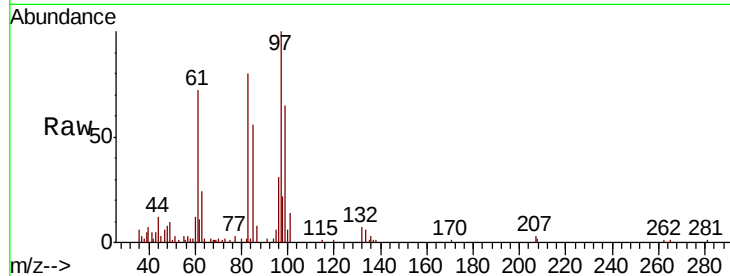
ClientSampleId :

VSTDIC010

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 26310 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 80.2  | 65.3  | 97.9  |
| 85       | 56.3  | 44.7  | 67.1  |
| 99       | 65.3  | 47.0  | 70.4  |

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#56

Ethyl methacrylate

Concen: 11.87 ug/l

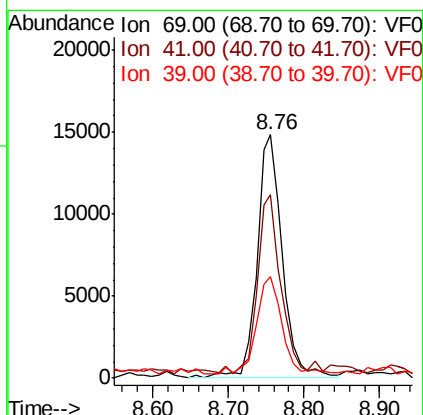
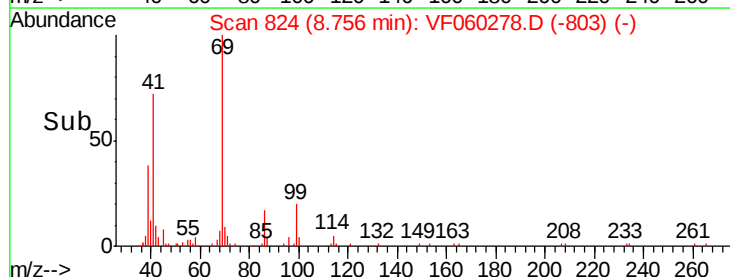
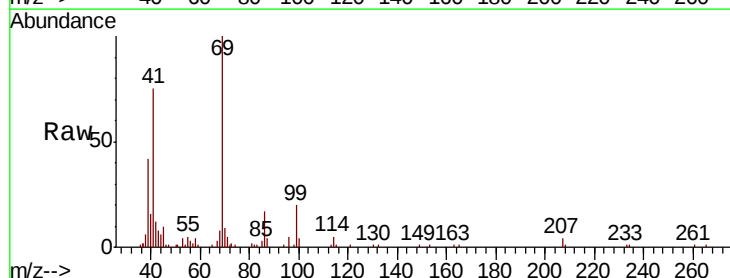
RT: 8.76 min Scan# 824

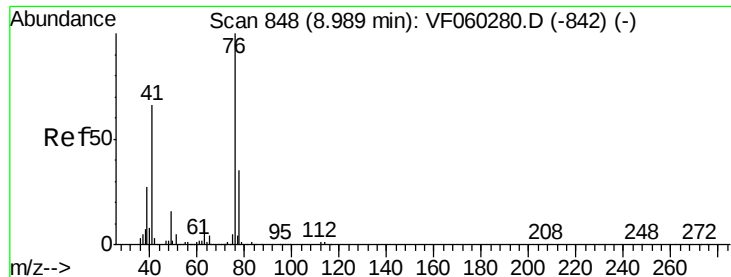
Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 34765 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 75.2  | 59.4  | 89.2  |
| 39       | 42.0  | 33.5  | 50.3  |





#57

1,3-Dichloropropane

Concen: 10.91 ug/l

RT: 8.99 min Scan# 848

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Tot Ion: 76 Resp: 43796

Ion Ratio Lower Upper

76 100

78 32.2 28.2 42.2

Instrument :

MSVOA\_F

ClientSampleId :

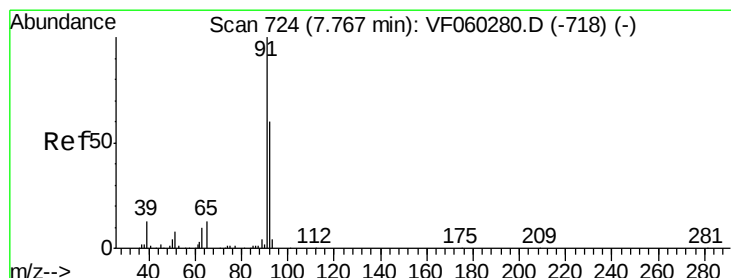
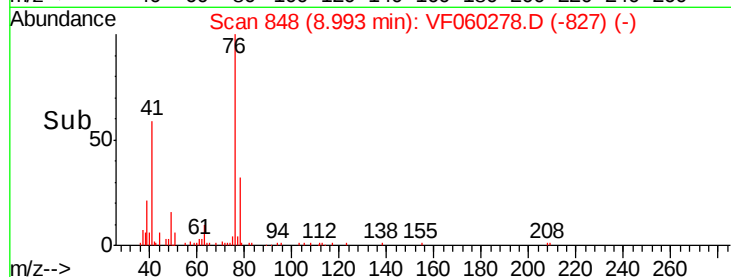
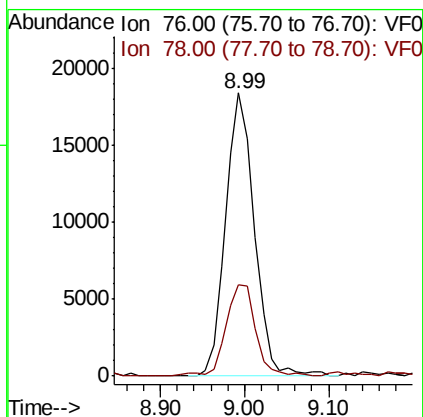
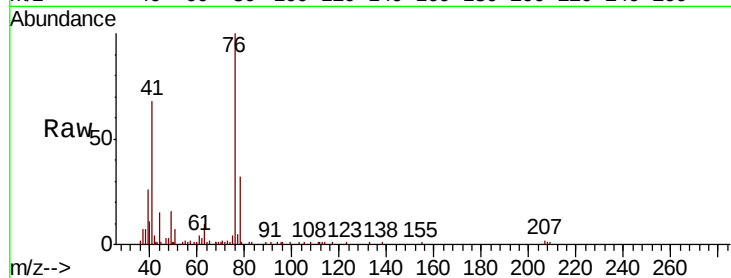
VSTDIC010

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#58

2-Chloroethyl Vinyl ether

Concen: 58.14 ug/l

RT: 7.77 min Scan# 724

Delta R.T. 0.00 min

Lab File: VF060278.D

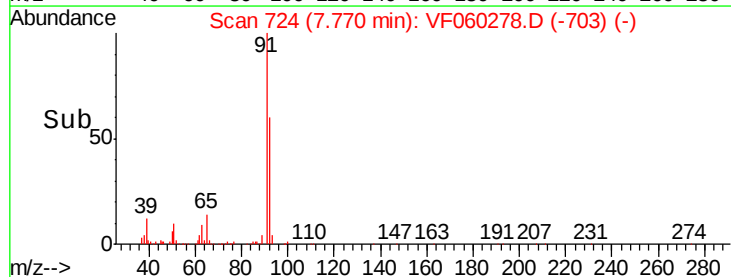
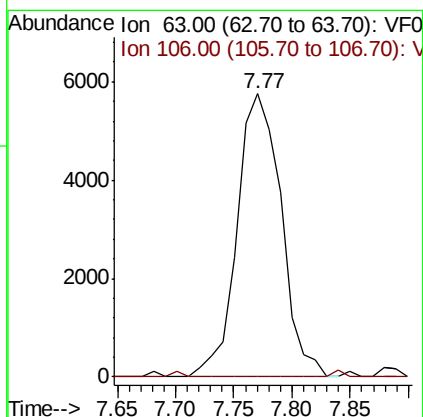
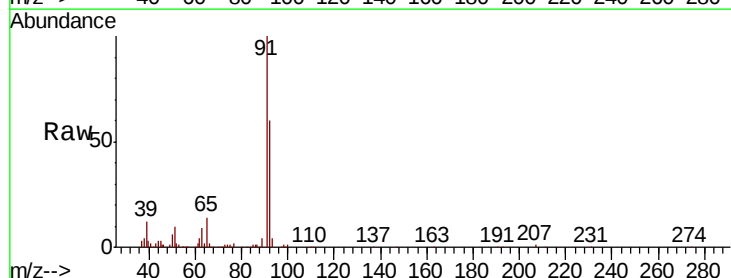
Acq: 19 Sep 2018 13:17

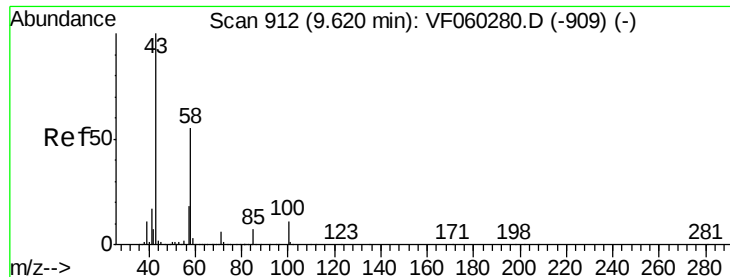
Tgt Ion: 63 Resp: 15050

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





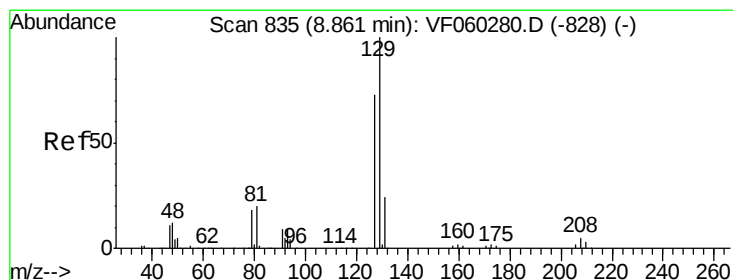
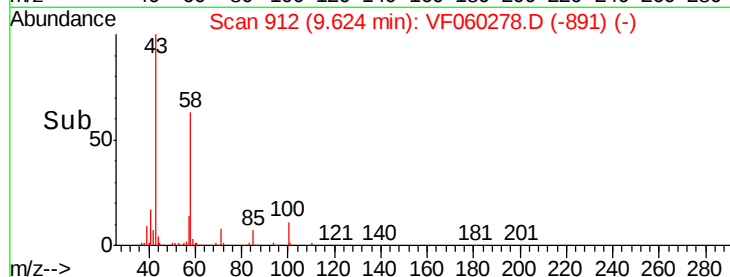
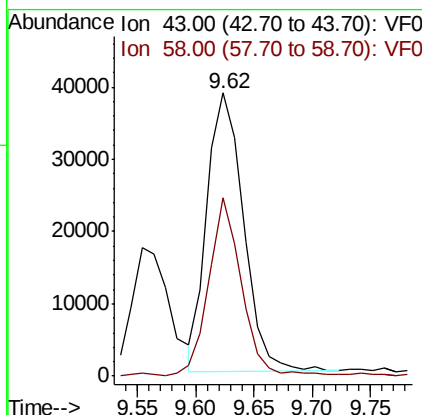
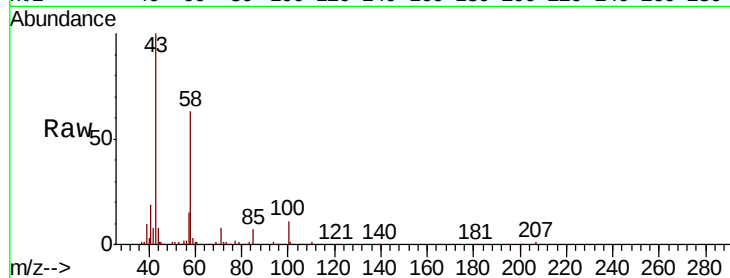
#59  
2-Hexanone  
Concen: 53.75 ug/l  
RT: 9.62 min Scan# 912  
Delta R.T. 0.00 min  
Lab File: VF060278.D  
Acq: 19 Sep 2018 13:17

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDIC010

Tot Ion: 43 Resp: 83669  
Ion Ratio Lower Upper  
43 100  
58 63.0 25.9 77.6

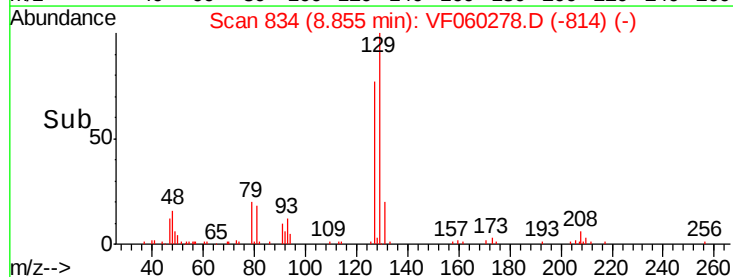
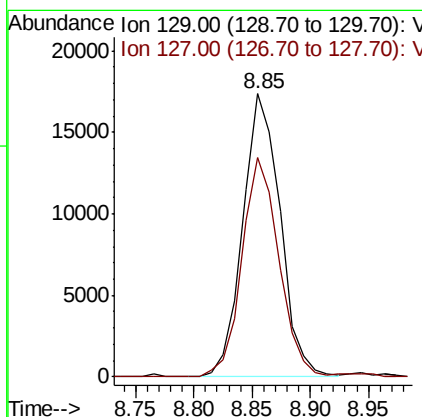
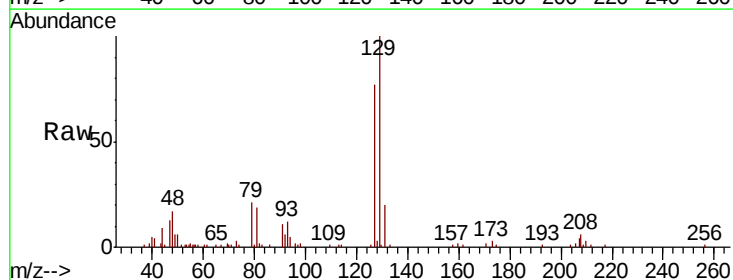
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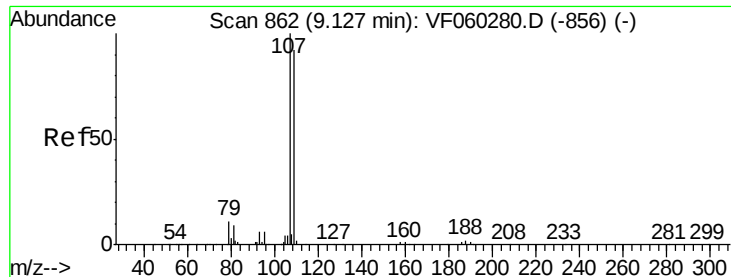
apatel  
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#60  
Dibromochloromethane  
Concen: 10.72 ug/l  
RT: 8.85 min Scan# 834  
Delta R.T. -0.01 min  
Lab File: VF060278.D  
Acq: 19 Sep 2018 13:17

Tgt Ion: 129 Resp: 38747  
Ion Ratio Lower Upper  
129 100  
127 76.2 36.6 109.8





#61

1,2-Dibromoethane

Concen: 11.44 ug/l

RT: 9.13 min Scan# 862

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Instrument :

MSVOA\_F

ClientSampleId :

VSTDIC010

Tot Ion: 107 Resp: 30897

Ion Ratio Lower Upper

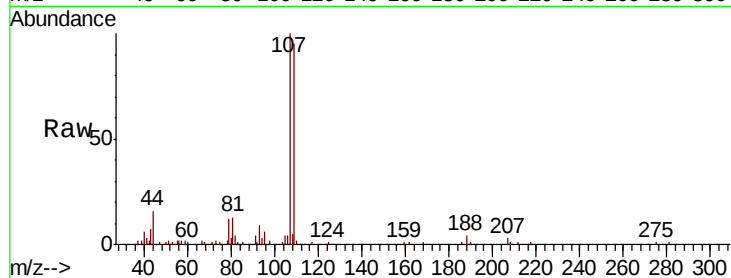
107 100

109 95.1 73.2 109.8

Manual Integrations  
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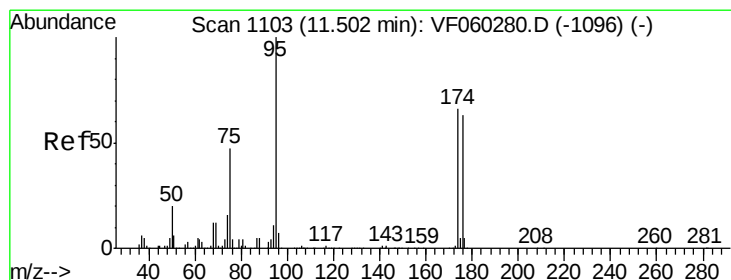
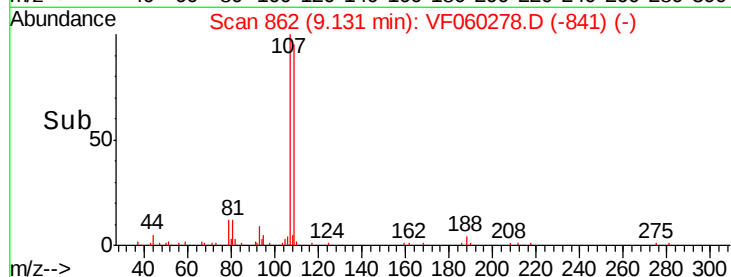
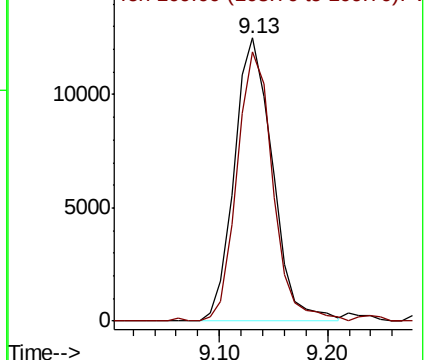
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 10.46 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

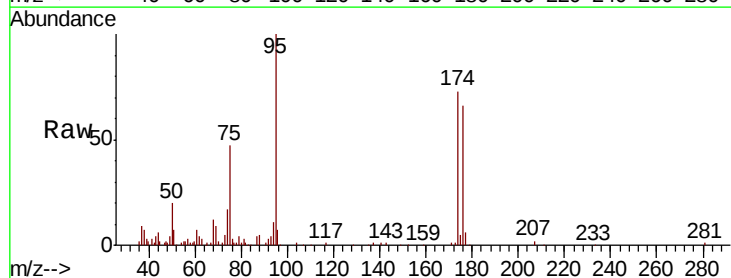
Tgt Ion: 95 Resp: 46882

Ion Ratio Lower Upper

95 100

174 73.4 0.0 131.2

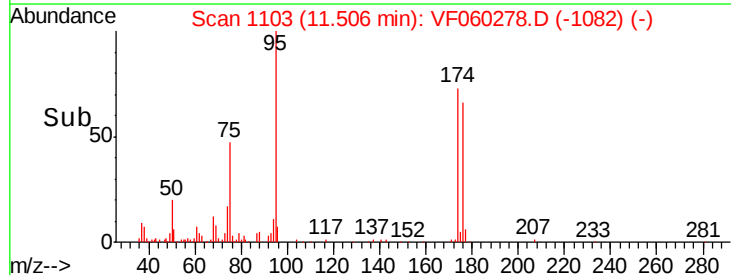
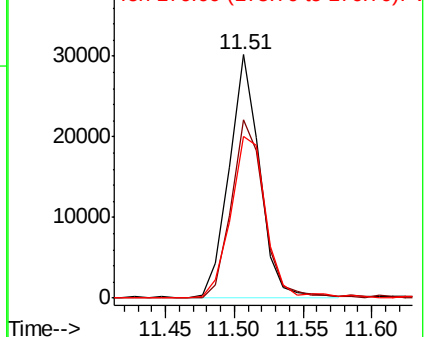
176 66.4 0.0 126.6

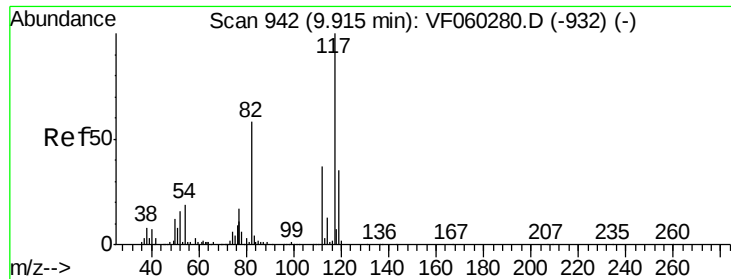


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





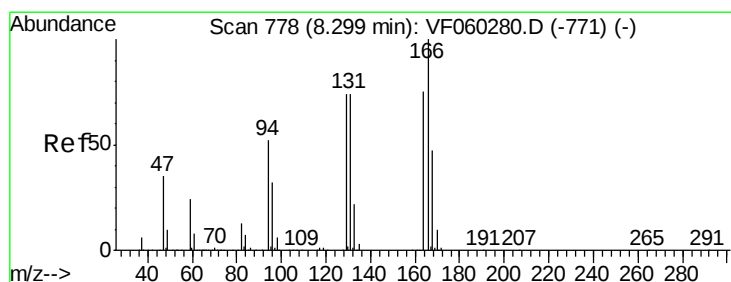
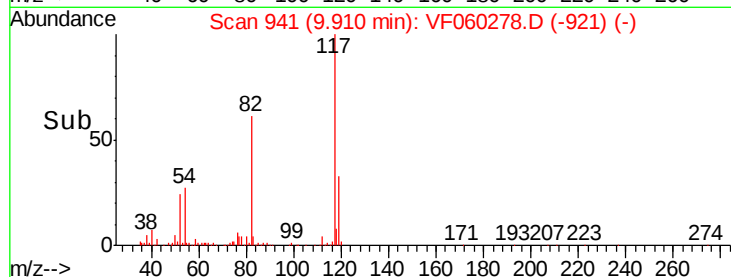
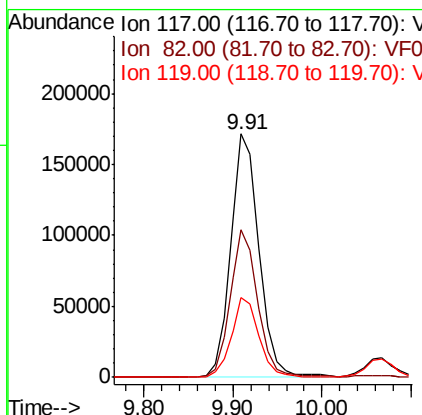
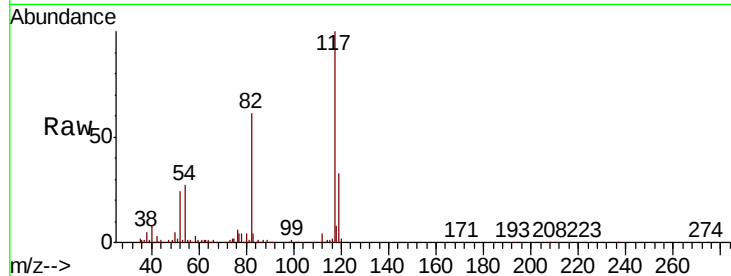
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 9.91 min Scan# 941  
Delta R.T. -0.01 min  
Lab File: VF060278.D  
Acq: 19 Sep 2018 13:17

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 60.7  | 46.2  | 69.2  |
| 119     | 32.7  | 27.8  | 41.6  |

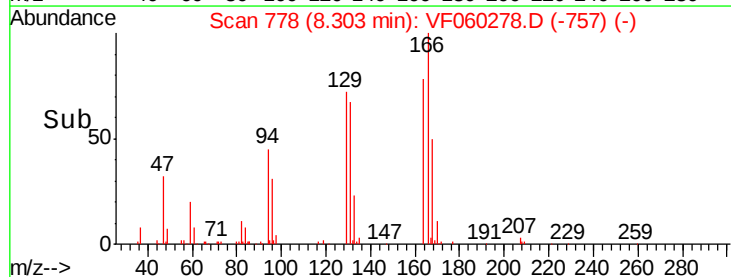
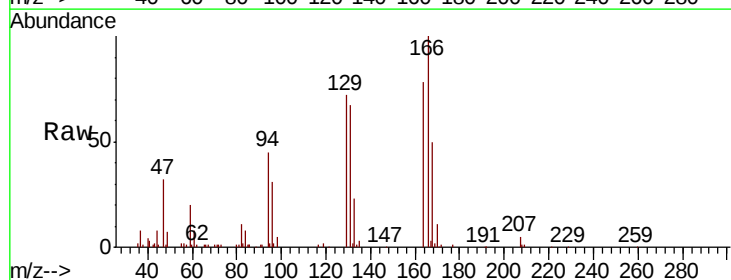
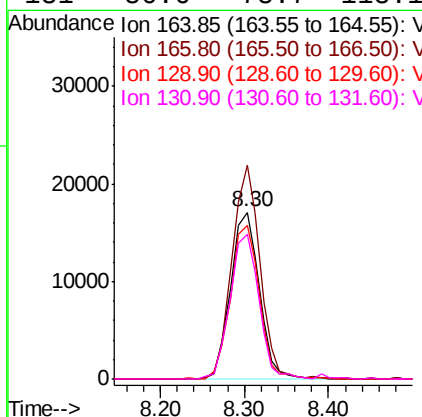
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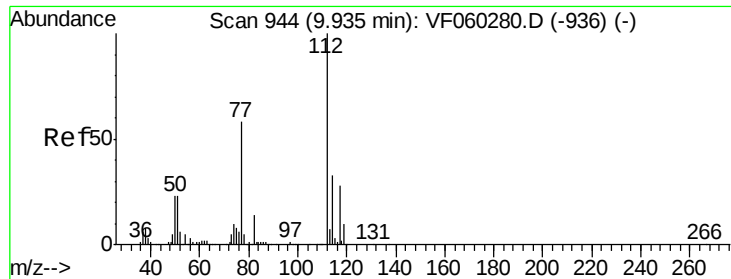
apatel  
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#64  
Tetrachloroethene  
Concen: 11.78 ug/l  
RT: 8.30 min Scan# 778  
Delta R.T. 0.00 min  
Lab File: VF060278.D  
Acq: 19 Sep 2018 13:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 128.3 | 106.8 | 160.2 |
| 129     | 92.0  | 78.8  | 118.2 |
| 131     | 86.6  | 78.7  | 118.1 |





#65

Chlorobenzene

Concen: 11.18 ug/l

RT: 9.94 min Scan# 944

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Instrument :

MSVOA\_F

ClientSampleId :

VSTDIC010

Tot Ion:112 Resp: 96596

Ion Ratio Lower Upper

112 100

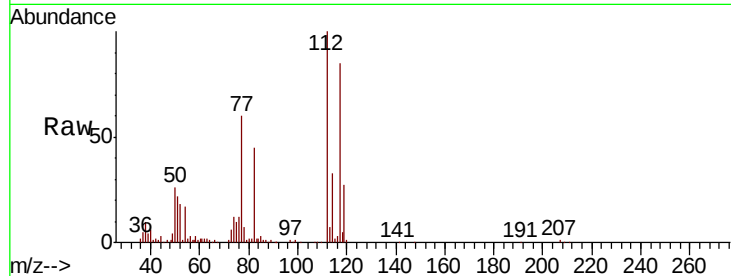
114 33.2 26.6 40.0

Manual Integrations

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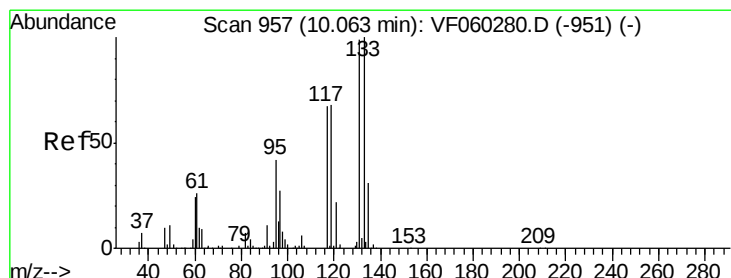
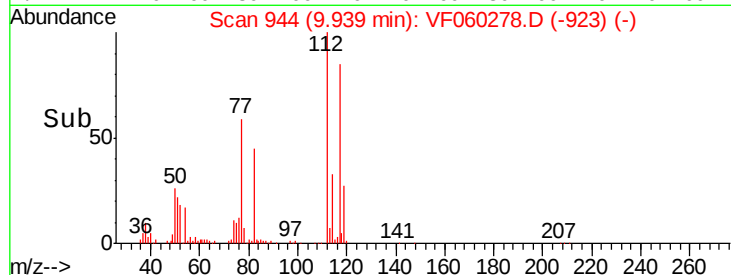
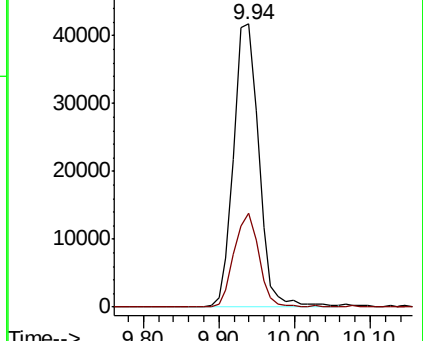
apatel

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 11.78 ug/l

RT: 10.07 min Scan# 957

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

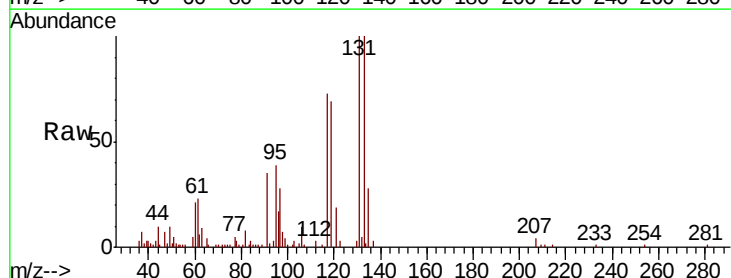
Tgt Ion:131 Resp: 42214

Ion Ratio Lower Upper

131 100

133 99.7 50.4 151.2

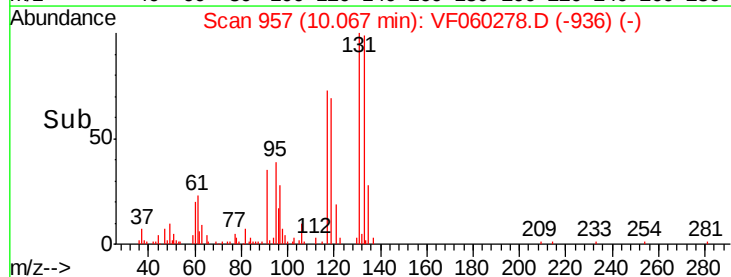
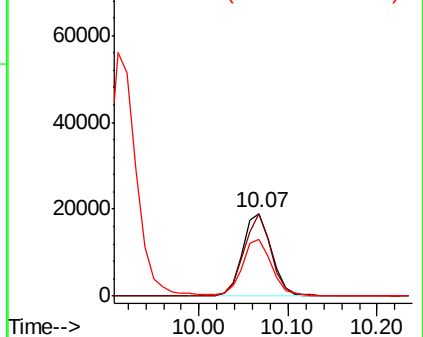
119 69.5 34.8 104.3

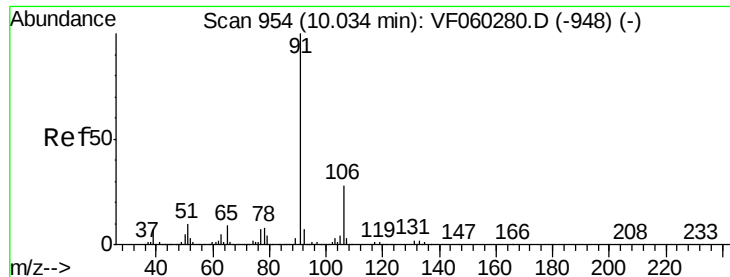


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 11.73 ug/l

RT: 10.04 min Scan# 954

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Instrument :

MSVOA\_F

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 187320

Ion Ratio Lower Upper

91 100

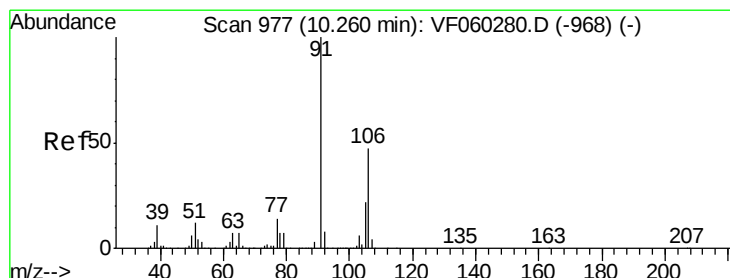
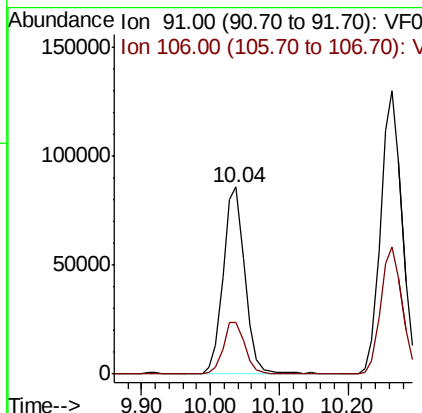
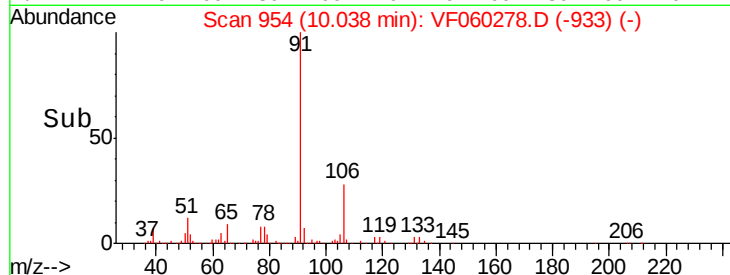
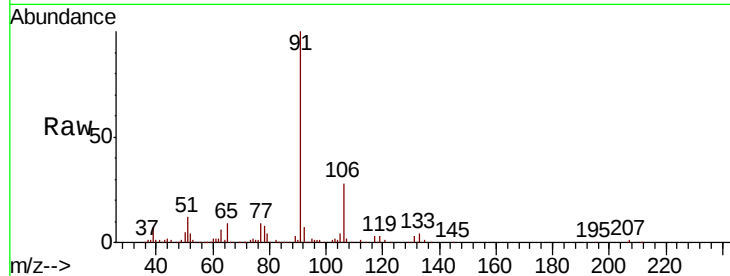
106 27.6 22.7 34.1

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#68

m/p-Xylenes

Concen: 23.39 ug/l

RT: 10.26 min Scan# 977

Delta R.T. 0.00 min

Lab File: VF060278.D

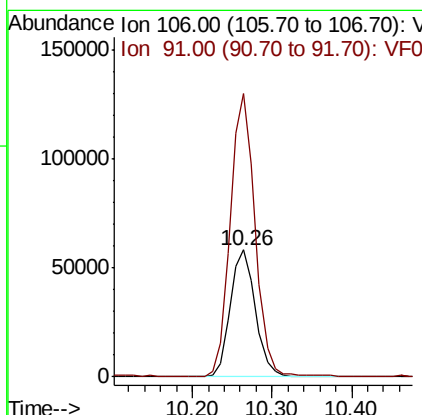
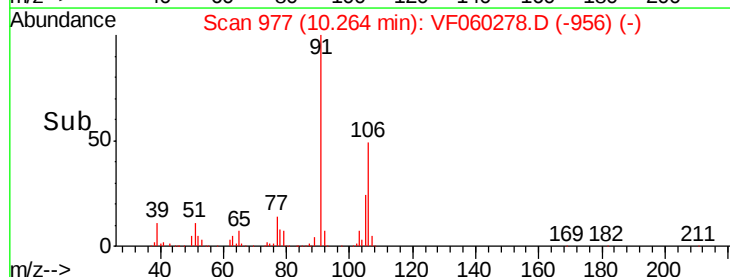
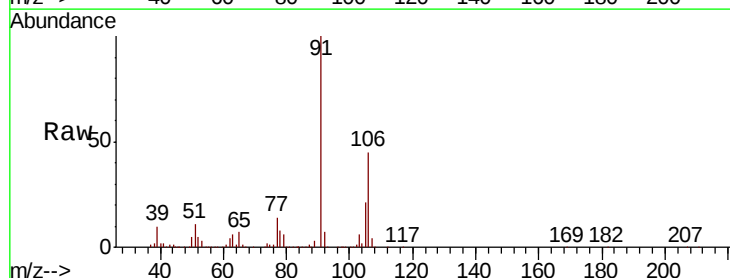
Acq: 19 Sep 2018 13:17

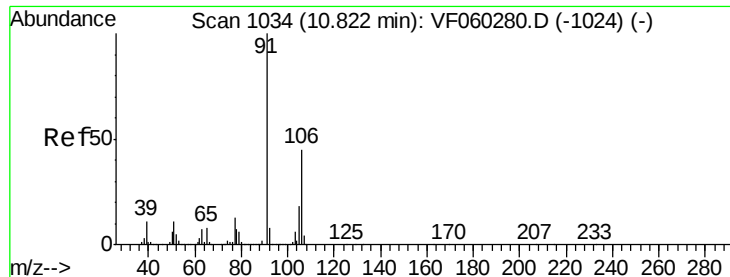
Tgt Ion: 106 Resp: 129069

Ion Ratio Lower Upper

106 100

91 222.6 172.3 258.5





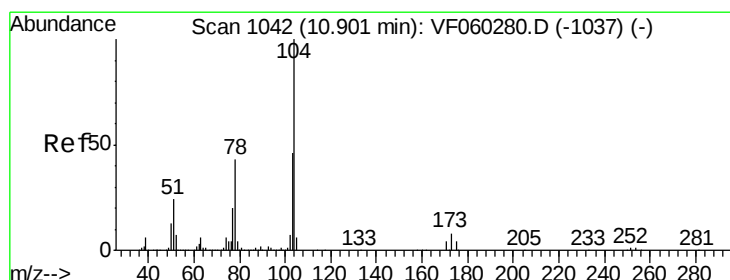
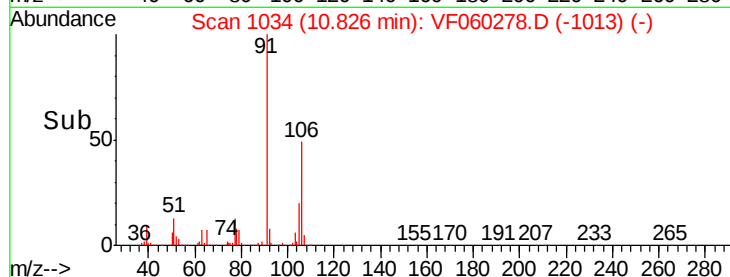
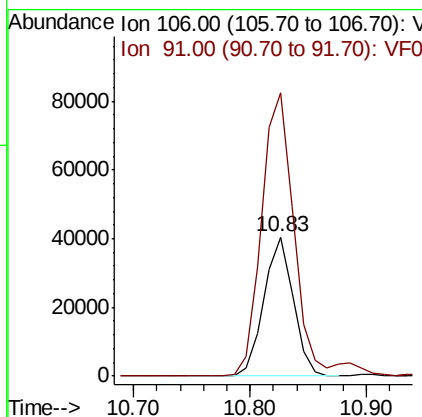
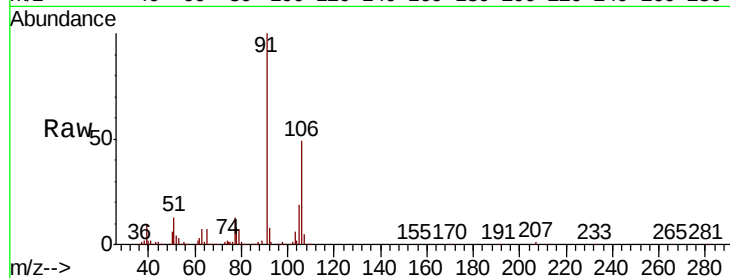
#69  
o-Xylene  
Concen: 11.48 ug/l  
RT: 10.83 min Scan# 1034  
Delta R.T. 0.00 min  
Lab File: VF060278.D  
Acq: 19 Sep 2018 13:17

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDIC010

Tot Ion:106 Resp: 71019  
Ion Ratio Lower Upper  
106 100  
91 203.8 110.9 332.6

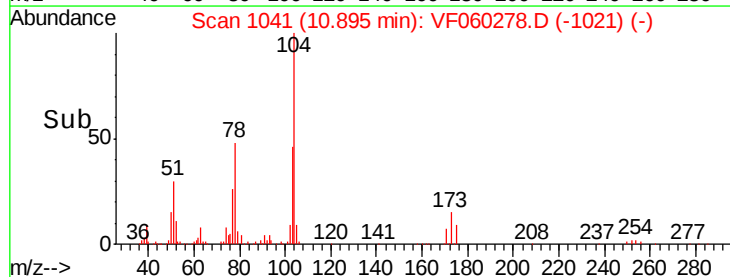
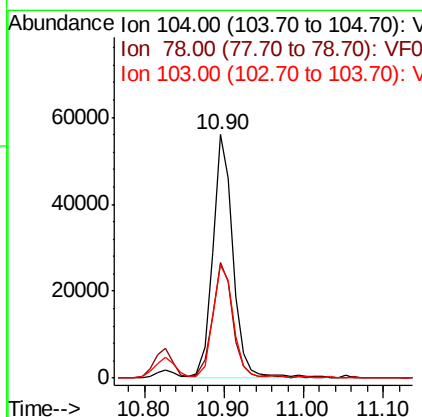
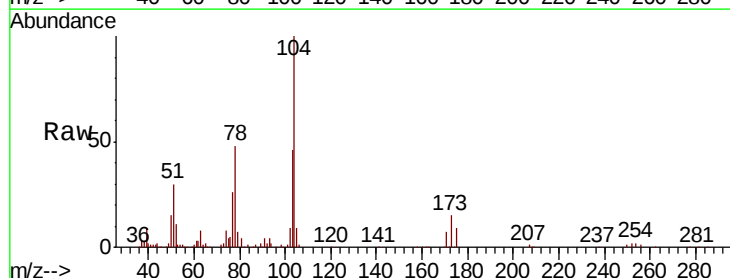
Manual Integrations  
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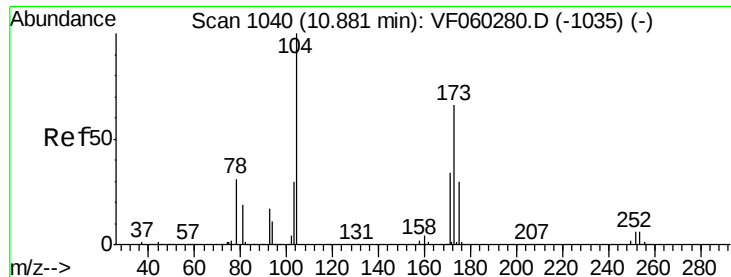
apatel  
9/20/2018 11:41:17 AM



#70  
Styrene  
Concen: 11.47 ug/l  
RT: 10.90 min Scan# 1041  
Delta R.T. -0.01 min  
Lab File: VF060278.D  
Acq: 19 Sep 2018 13:17

Tgt Ion:104 Resp: 100138  
Ion Ratio Lower Upper  
104 100  
78 47.7 35.0 52.6  
103 46.3 37.4 56.0





#71

Bromoform

Concen: 11.26 ug/l

RT: 10.89 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Instrument :

MSVOA\_F

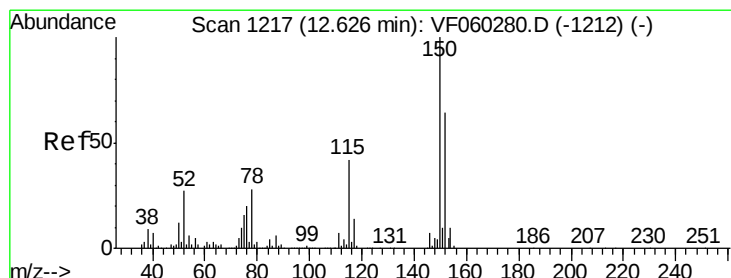
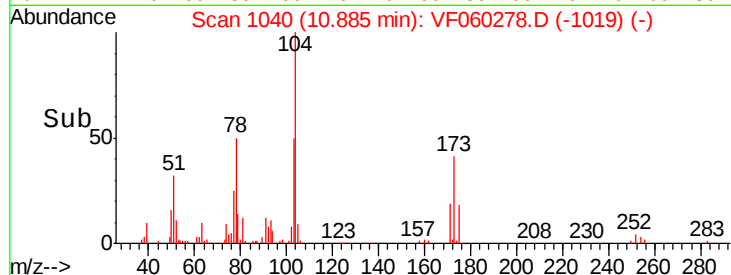
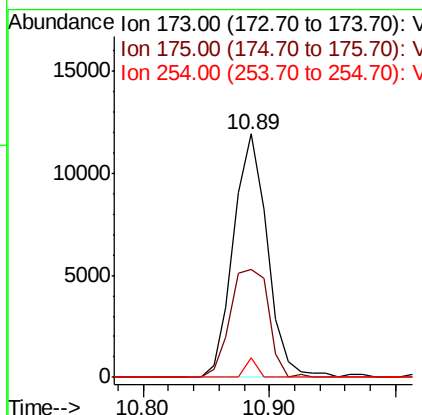
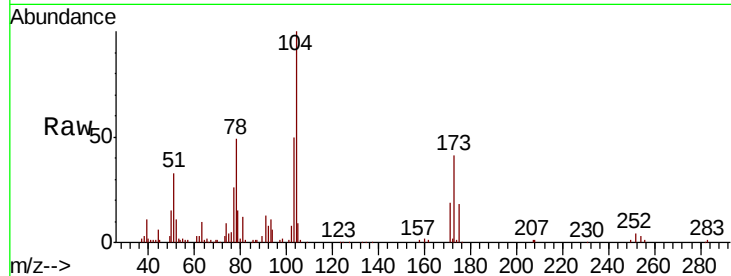
ClientSampleId :

VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 44.5  | 22.3  | 66.9  |
| 254     | 7.9   | 0.0   | 0.0   |

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

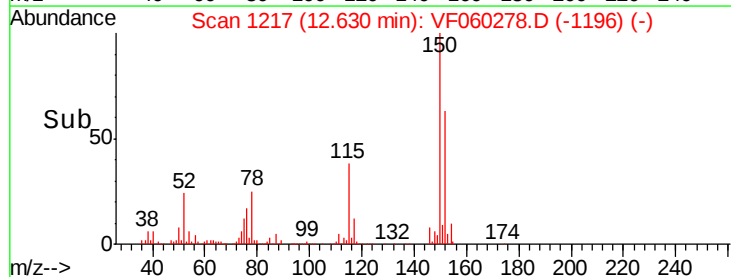
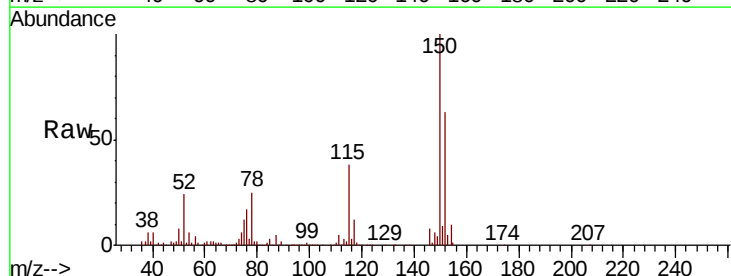
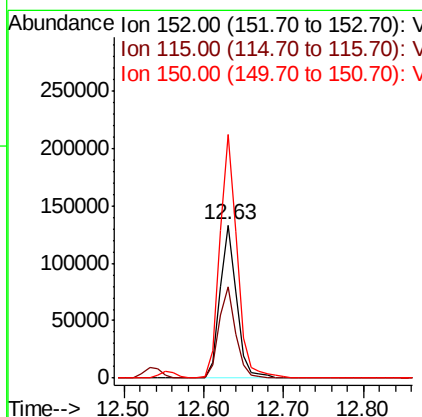
RT: 12.63 min Scan# 1217

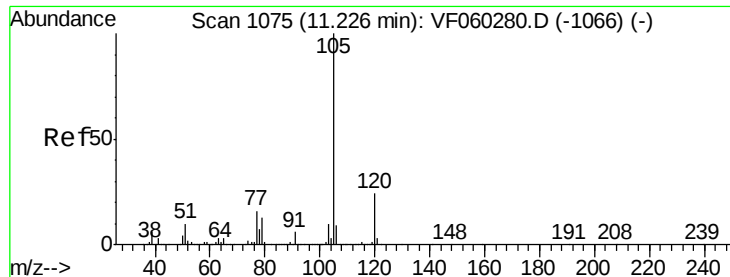
Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 59.9  | 32.6  | 97.8  |
| 150     | 158.8 | 0.0   | 314.2 |





#73

Isopropylbenzene

Concen: 12.28 ug/l

RT: 11.22 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Instrument :

MSVOA\_F

ClientSampled :

VSTDIC010

Tot Ion:105 Resp: 219917

Ion Ratio Lower Upper

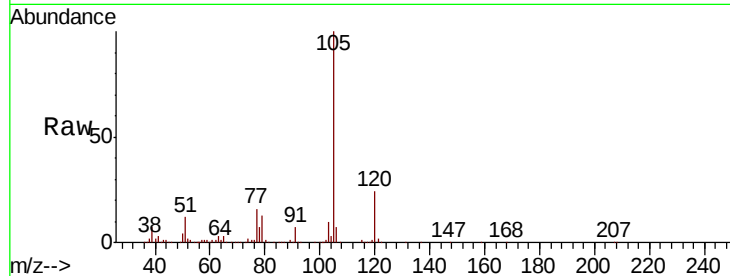
105 100

120 23.9 12.2 36.6

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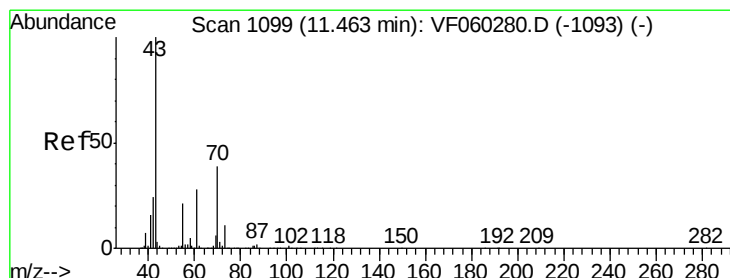
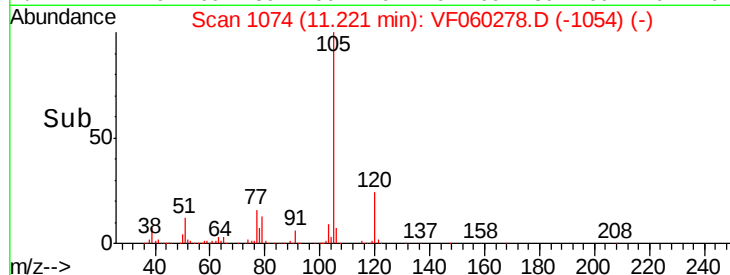
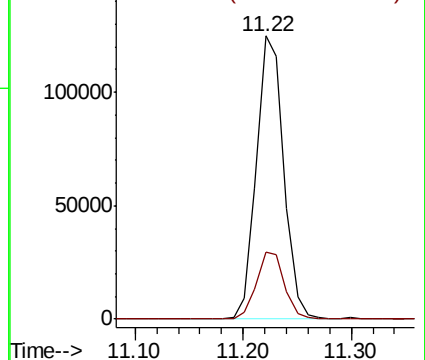
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 12.12 ug/l

RT: 11.46 min Scan# 1098

Delta R.T. -0.01 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Tgt Ion: 43 Resp: 46269

Ion Ratio Lower Upper

43 100

70 37.8 31.4 47.2

55 20.6 16.8 25.2

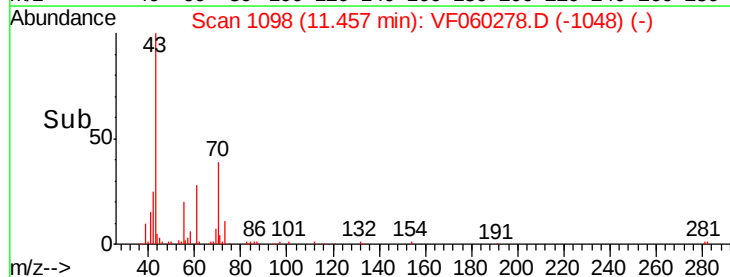
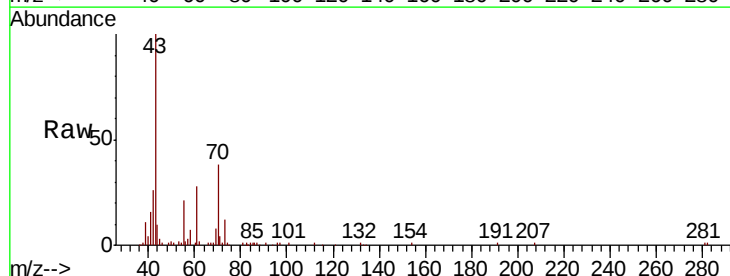
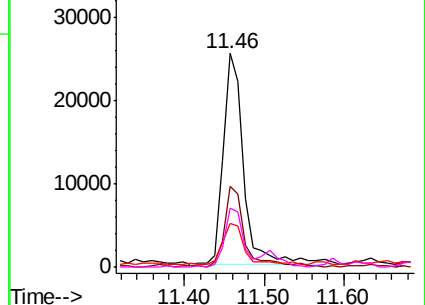
61 27.8 22.6 34.0

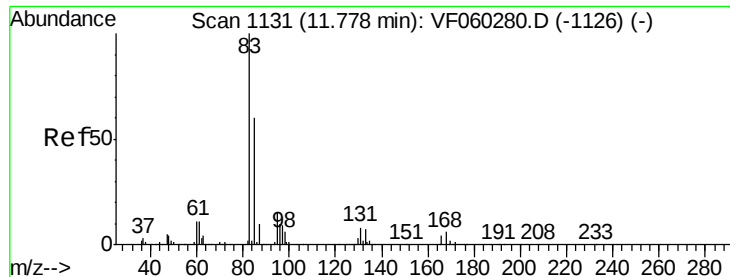
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 12.44 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Instrument :

MSVOA\_F

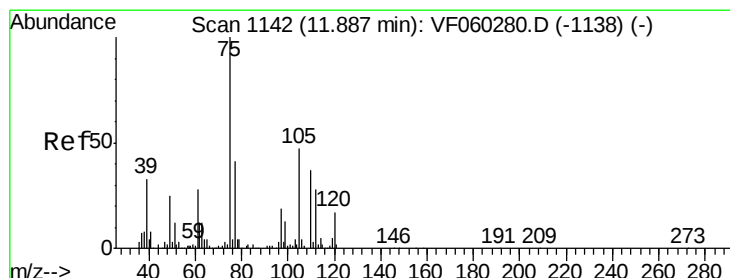
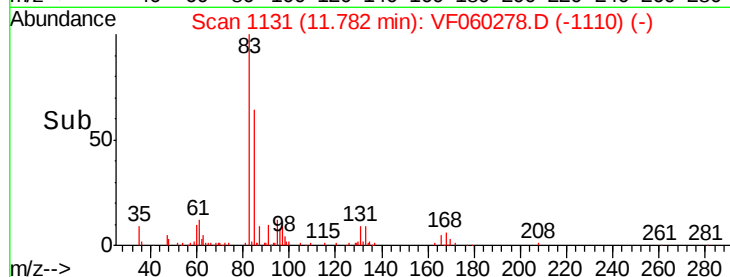
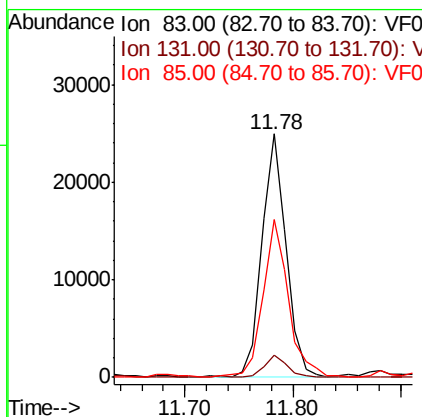
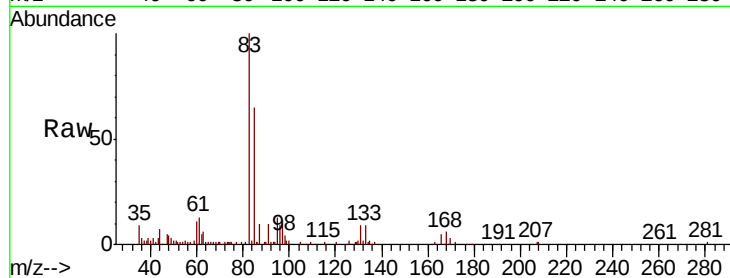
ClientSampleId :

VSTDIC010

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 39488 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 9.3   | 4.2   | 12.4  |
| 85        | 65.5  | 30.1  | 90.5  |

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#76

1,2,3-Trichloropropane

Concen: 11.73 ug/l

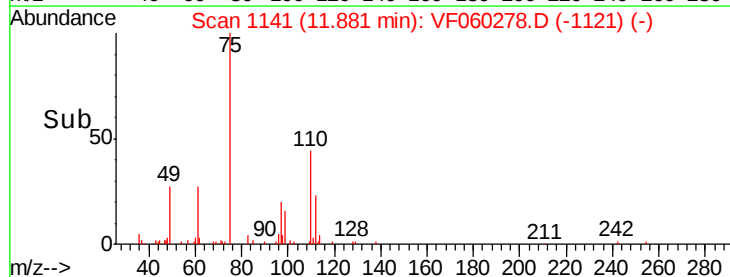
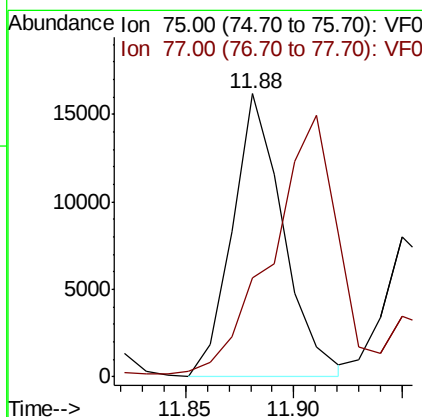
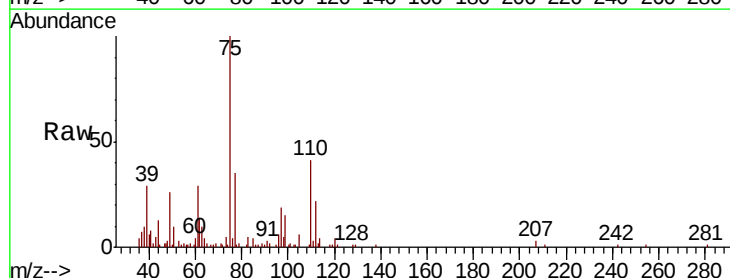
RT: 11.88 min Scan# 1141

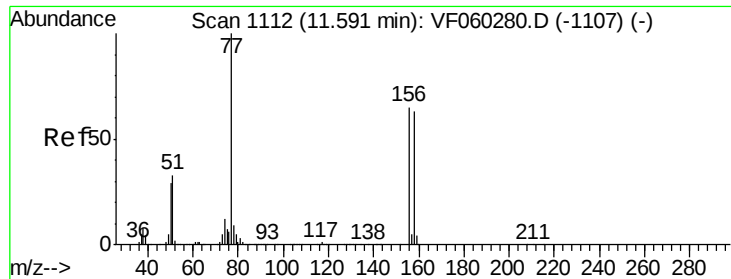
Delta R.T. -0.01 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 26646 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 35.1  | 20.5  | 61.5  |





#77

Bromobenzene

Concen: 11.69 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Instrument :

MSVOA\_F

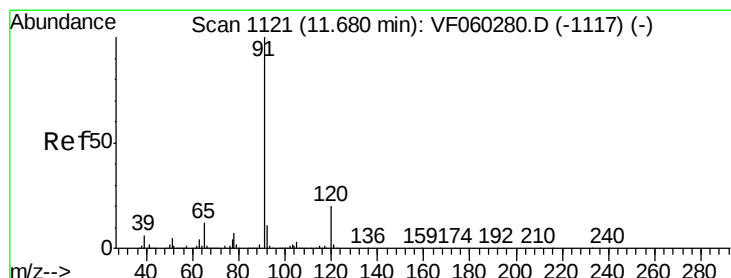
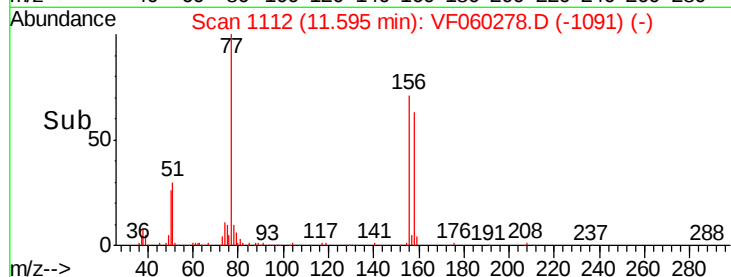
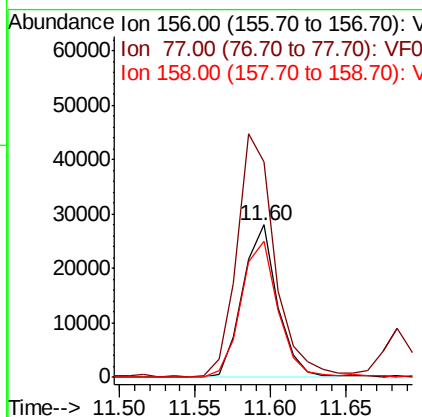
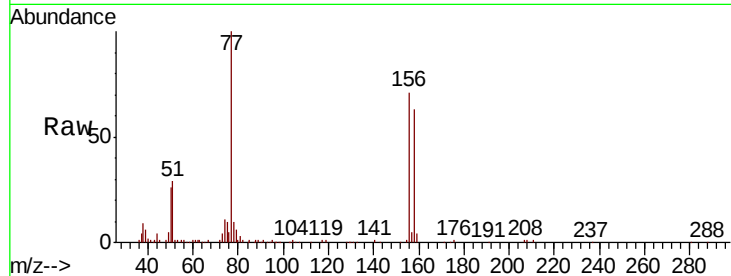
ClientSampleId :

VSTDIC010

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 156     | 100   |       |       |       |
| 77      | 141.0 | 77.3  | 232.1 |       |
| 158     | 88.9  | 48.4  | 145.2 |       |

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#78

n-propylbenzene

Concen: 12.18 ug/l

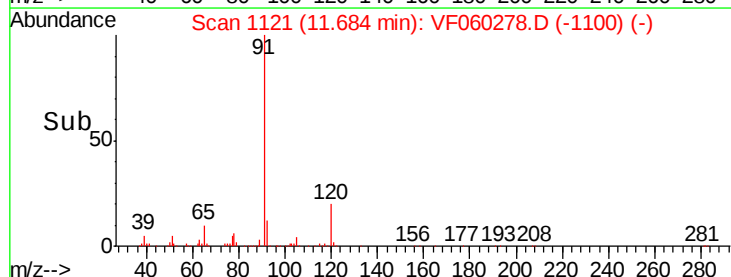
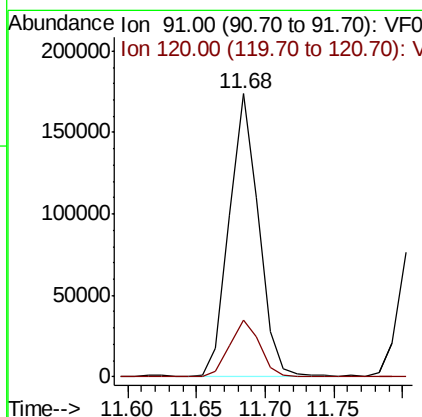
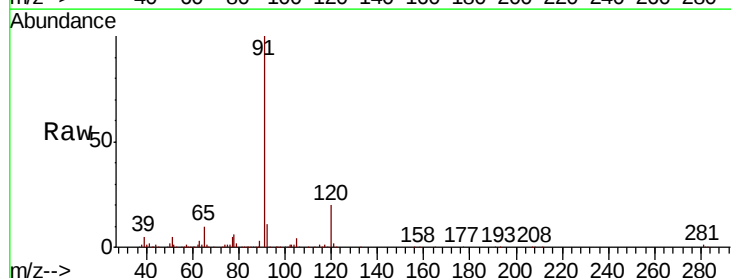
RT: 11.68 min Scan# 1121

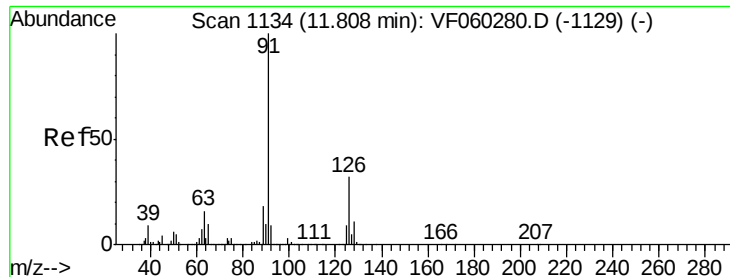
Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 91      | 100  |       |       |       |
| 120     | 20.1 | 10.0  | 29.8  |       |





#79

2-Chlorotoluene

Concen: 12.38 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Instrument :

MSVOA\_F

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 149580

Ion Ratio Lower Upper

91 100

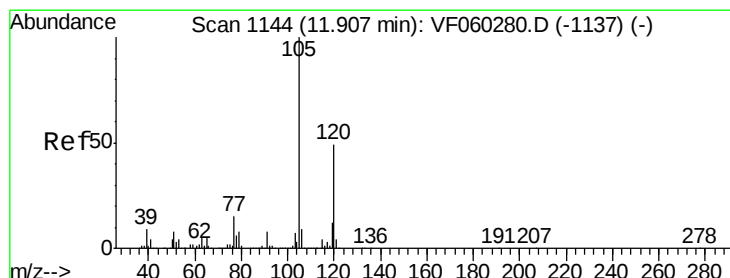
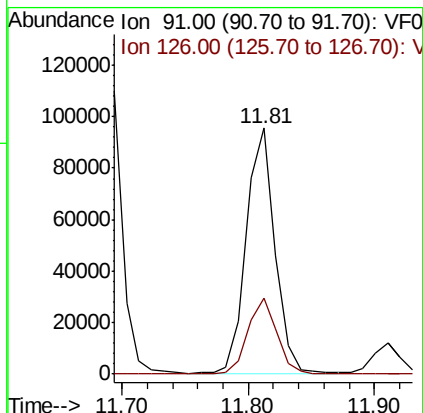
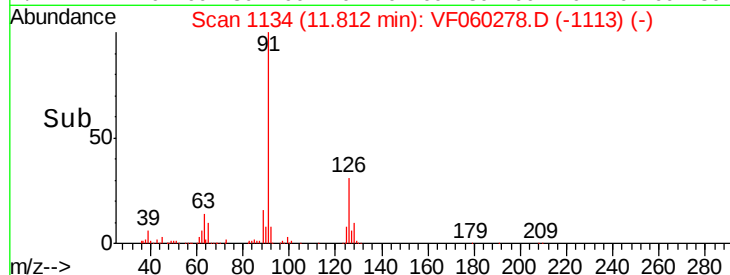
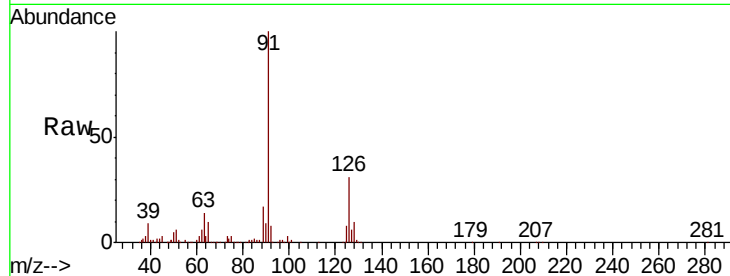
126 31.2 16.1 48.3

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#80

1,3,5-Trimethylbenzene

Concen: 11.81 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF060278.D

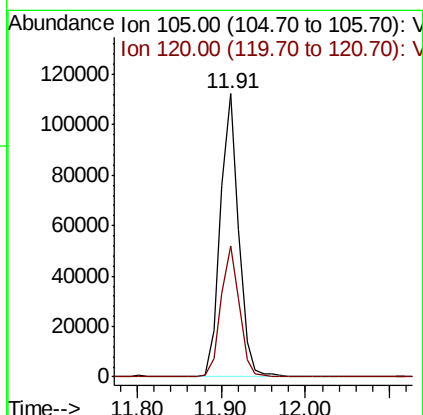
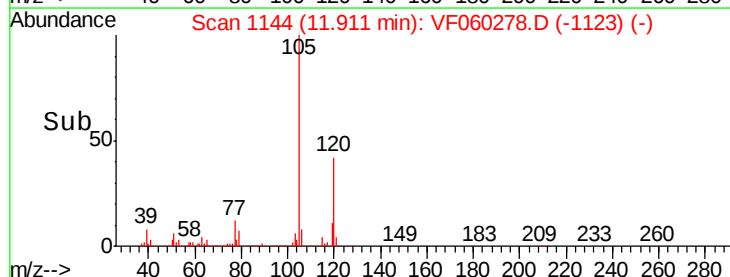
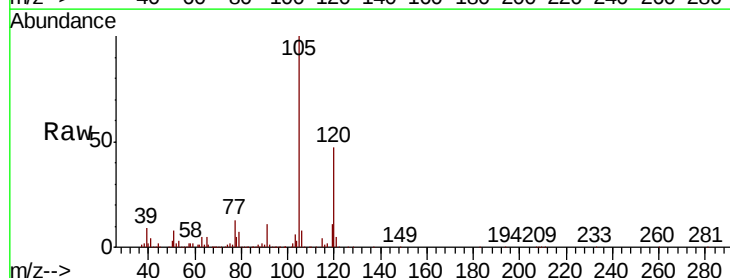
Acq: 19 Sep 2018 13:17

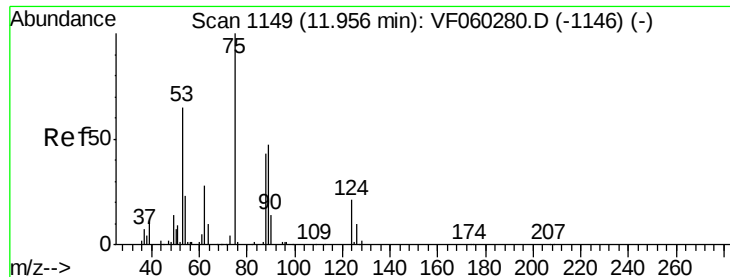
Tgt Ion: 105 Resp: 170192

Ion Ratio Lower Upper

105 100

120 46.5 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 10.27 ug/l m

RT: 11.95 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Instrument :

MSVOA\_F

ClientSampleId :

VSTDIC010

Tot Ion: 75 Resp: 15043

Ion Ratio Lower Upper

75 100

53 71.9 56.5 84.7

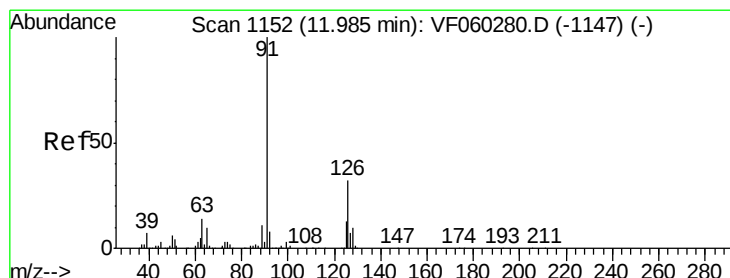
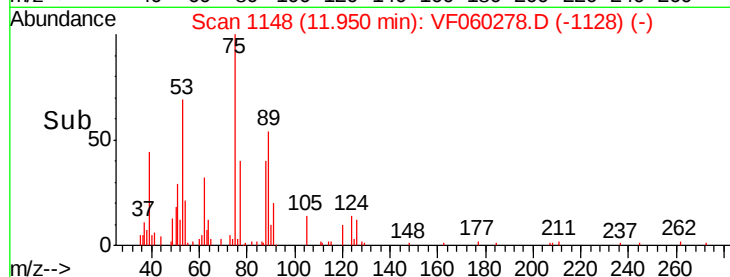
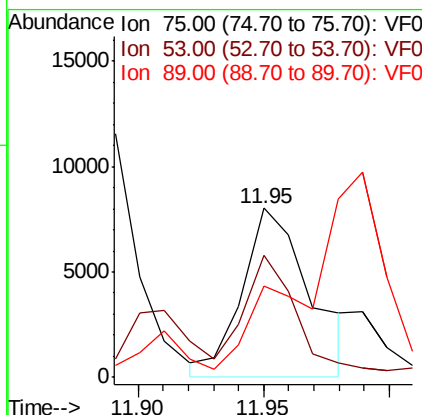
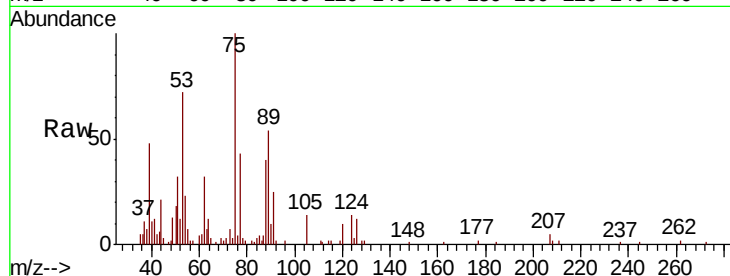
89 54.0 40.6 60.8

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#82

4-Chlorotoluene

Concen: 11.88 ug/l

RT: 11.99 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF060278.D

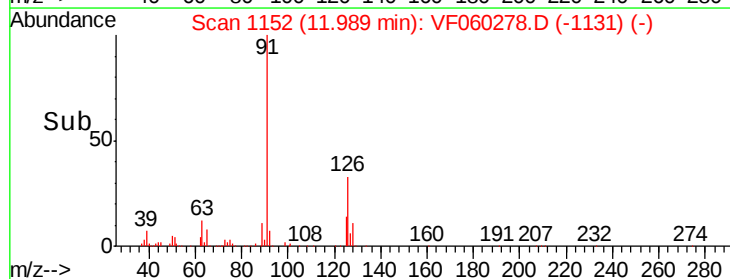
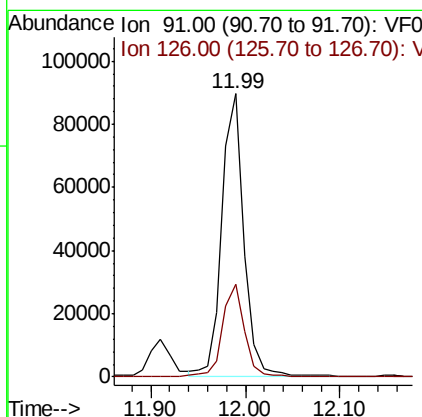
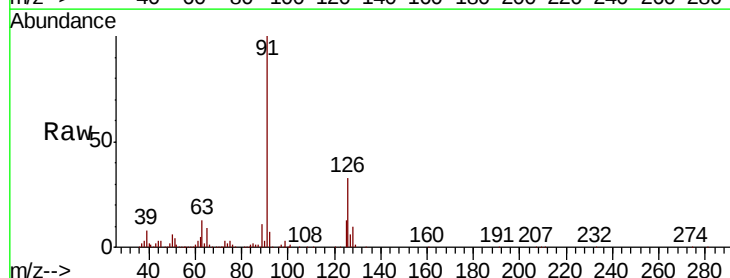
Acq: 19 Sep 2018 13:17

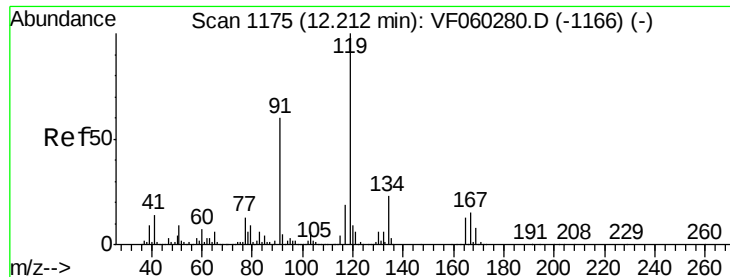
Tgt Ion: 91 Resp: 144227

Ion Ratio Lower Upper

91 100

126 32.8 16.1 48.2





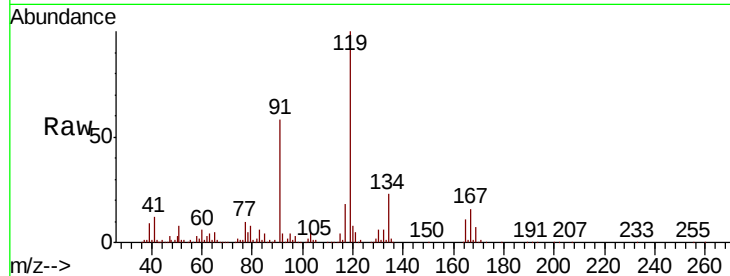
#83  
tert-Butylbenzene  
Concen: 12.27 ug/l  
RT: 12.22 min Scan# 1175  
Delta R.T. 0.00 min  
Lab File: VF060278.D  
Acq: 19 Sep 2018 13:17

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDIC010

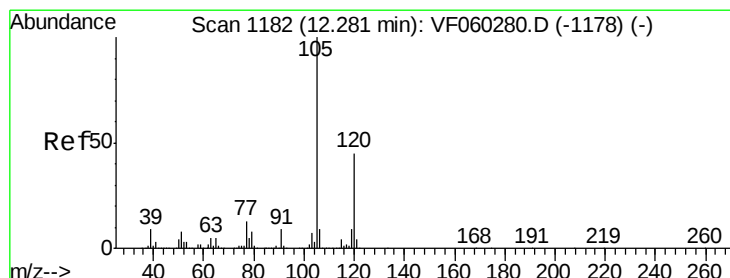
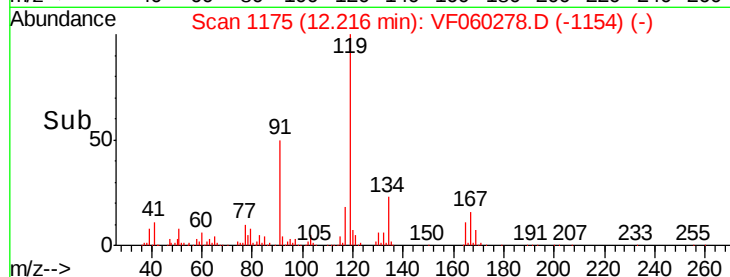
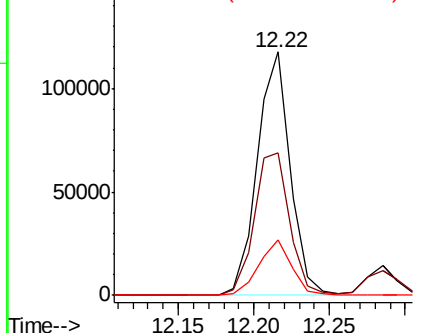
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 179285 |       |       |
| 91      | 58.5  | 30.3   | 91.0  |       |
| 134     | 22.7  | 11.6   | 34.8  |       |

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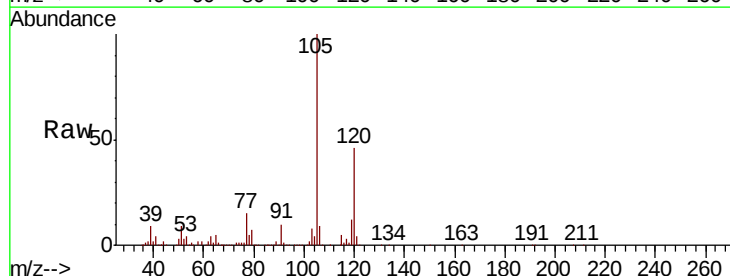


Abundance Ion 119.00 (118.70 to 119.70): V  
Ion 91.00 (90.70 to 91.70): VF0  
Ion 134.00 (133.70 to 134.70): V

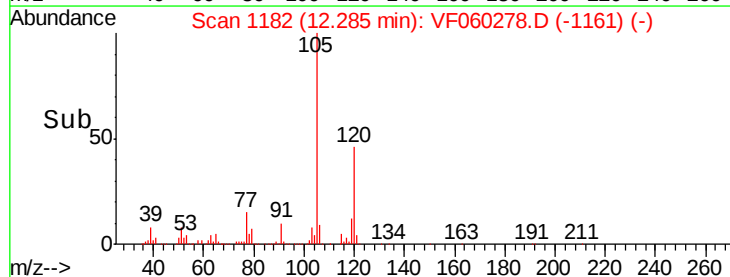
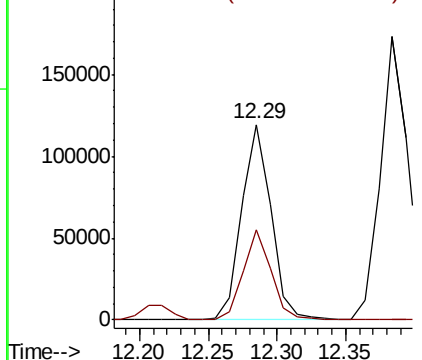


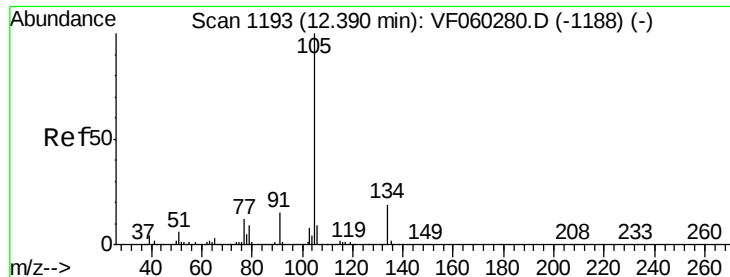
#84  
1,2,4-Trimethylbenzene  
Concen: 12.12 ug/l  
RT: 12.29 min Scan# 1182  
Delta R.T. 0.00 min  
Lab File: VF060278.D  
Acq: 19 Sep 2018 13:17

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 177386 |       |       |
| 120     | 45.9  | 22.4   | 67.0  |       |



Abundance Ion 105.00 (104.70 to 105.70): V  
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 12.10 ug/l

RT: 12.38 min Scan# 1192

Delta R.T. -0.01 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Instrument :

MSVOA\_F

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 244757

Ion Ratio Lower Upper

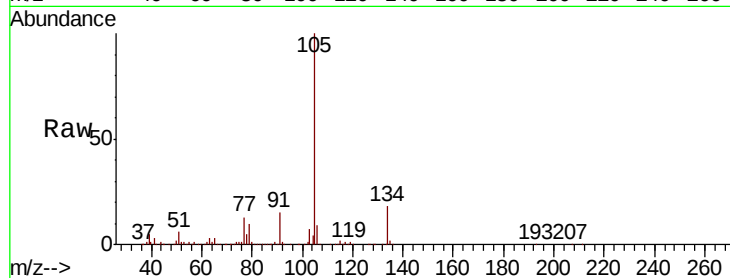
105 100

134 18.4 9.6 28.6

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

200000

150000

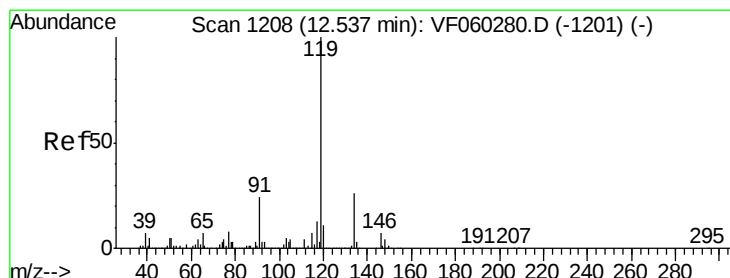
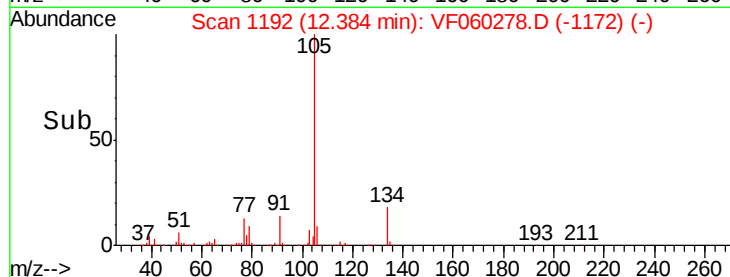
100000

50000

0

12.30 12.40 12.50

Time-->



#86

p-Isopropyltoluene

Concen: 12.20 ug/l

RT: 12.53 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

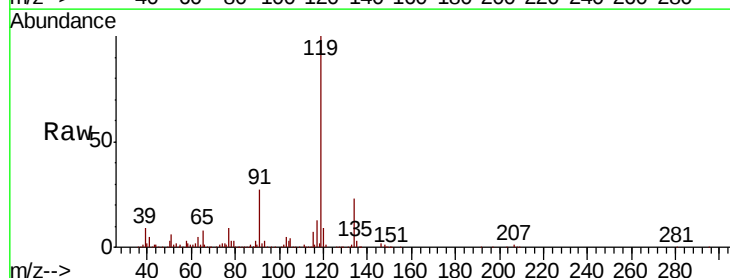
Tgt Ion:119 Resp: 195325

Ion Ratio Lower Upper

119 100

134 22.8 12.9 38.7

91 27.0 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

150000

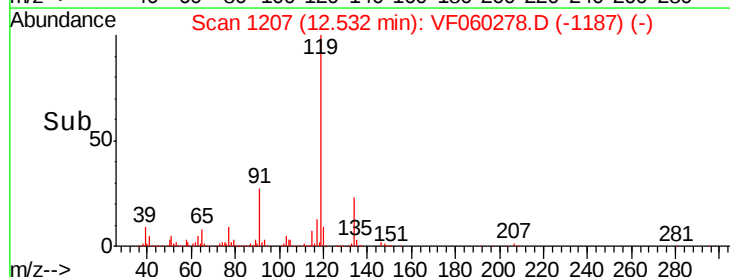
100000

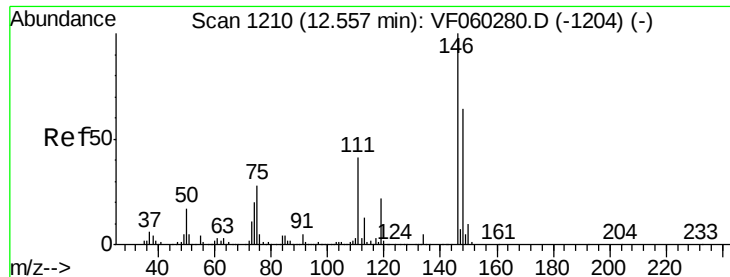
50000

0

12.40 12.50 12.60

Time-->





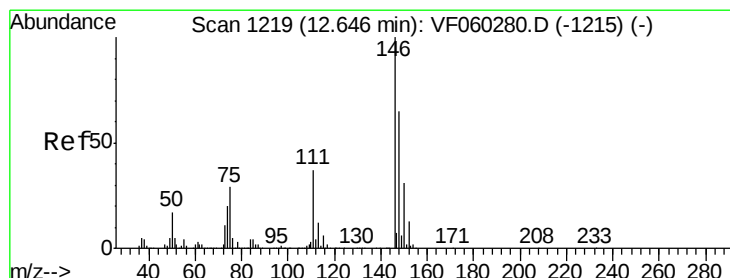
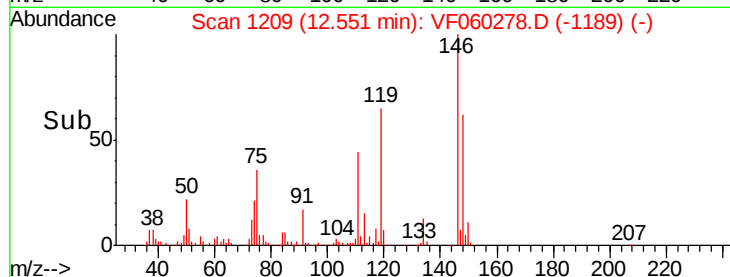
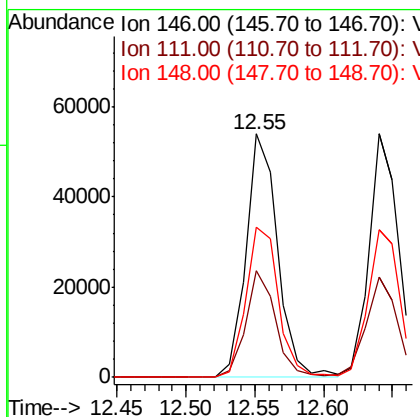
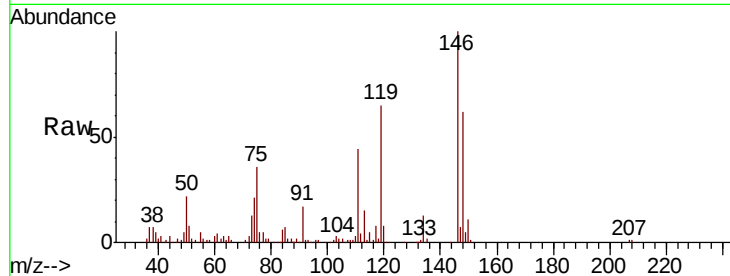
#87  
 1,3-Dichlorobenzene  
 Concen: 12.01 ug/l  
 RT: 12.55 min Scan# 1209  
 Delta R.T. -0.01 min  
 Lab File: VF060278.D  
 Acq: 19 Sep 2018 13:17

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 43.8  | 20.5  | 61.6  |
| 148     | 61.5  | 32.2  | 96.6  |

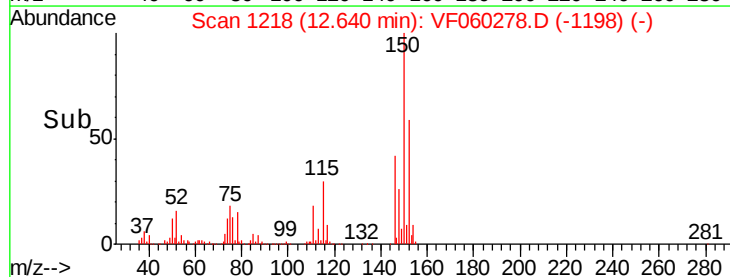
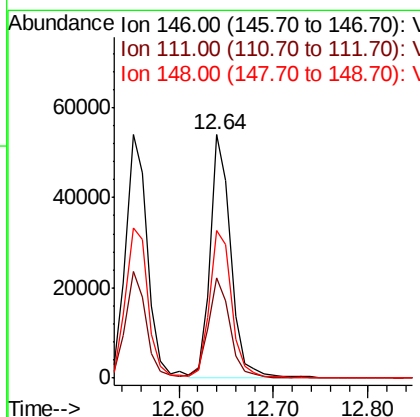
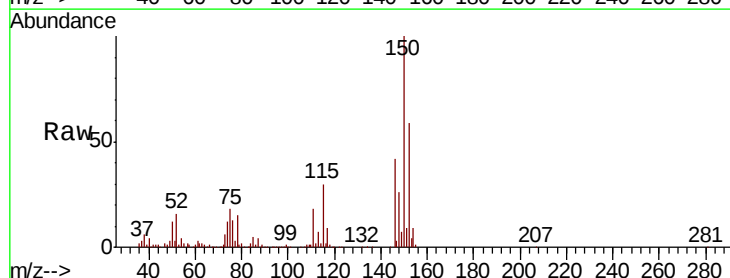
Manual Integrations  
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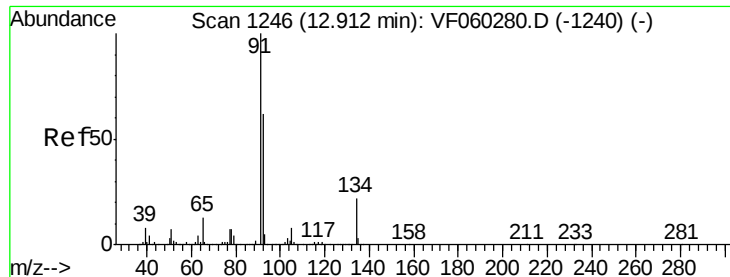
apatel  
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#88  
 1,4-Dichlorobenzene  
 Concen: 11.65 ug/l  
 RT: 12.64 min Scan# 1218  
 Delta R.T. -0.01 min  
 Lab File: VF060278.D  
 Acq: 19 Sep 2018 13:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.4  | 18.7  | 56.1  |
| 148     | 60.4  | 32.4  | 97.0  |





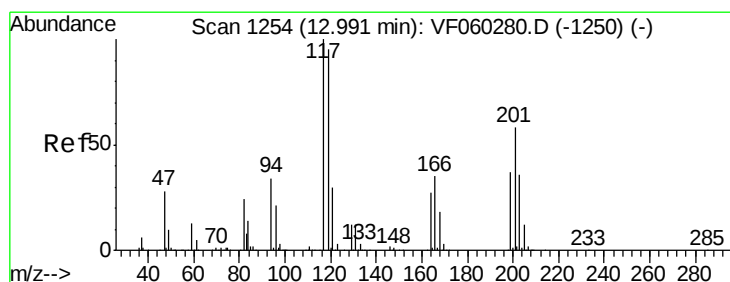
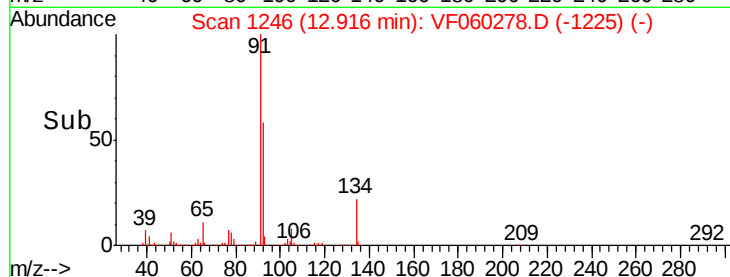
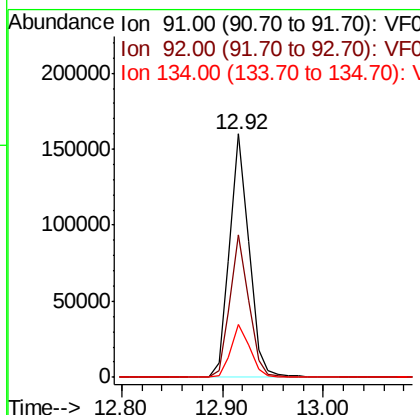
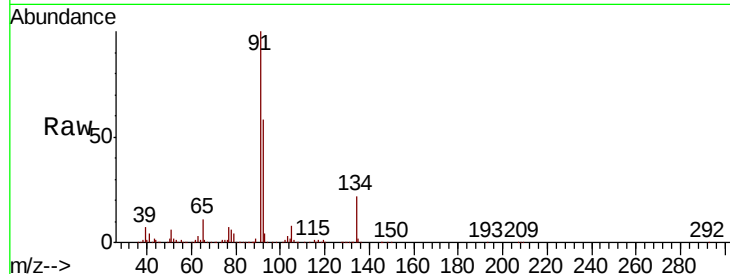
#89  
n-Butylbenzene  
Concen: 12.63 ug/l  
RT: 12.92 min Scan# 1246  
Delta R.T. 0.00 min  
Lab File: VF060278.D  
Acq: 19 Sep 2018 13:17

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 58.3  | 31.1  | 93.5  |
| 134     | 21.8  | 11.0  | 33.0  |

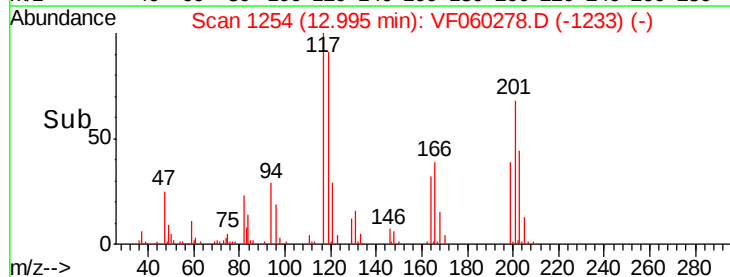
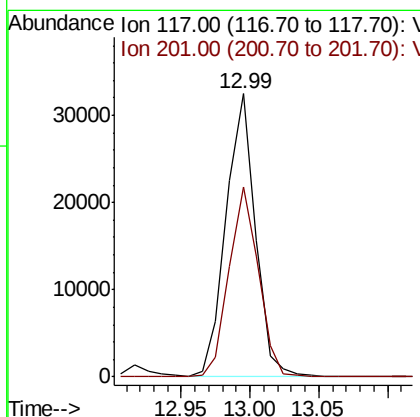
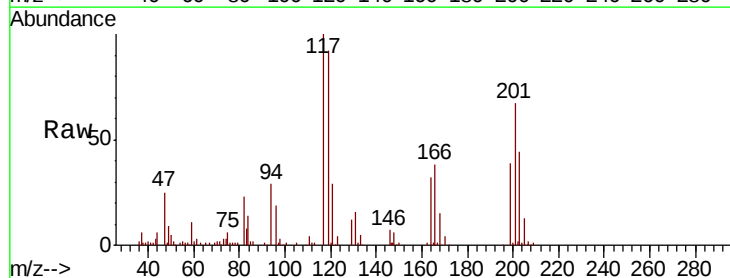
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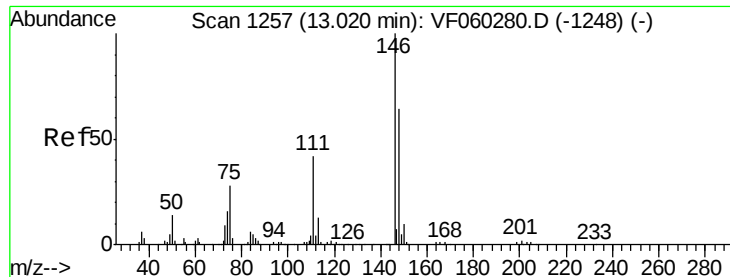
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#90  
Hexachloroethane  
Concen: 11.79 ug/l  
RT: 12.99 min Scan# 1254  
Delta R.T. 0.00 min  
Lab File: VF060278.D  
Acq: 19 Sep 2018 13:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 67.3  | 29.0  | 87.0  |





#91

1,2-Dichlorobenzene

Concen: 11.87 ug/l

RT: 13.01 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Instrument :

MSVOA\_F

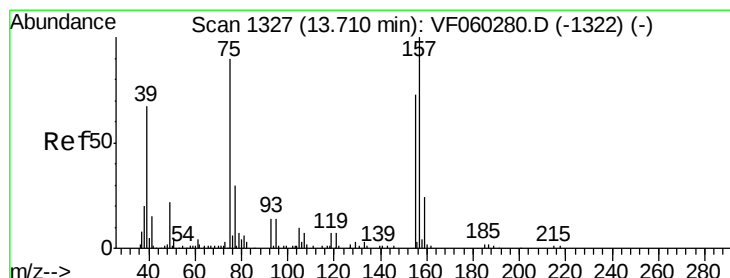
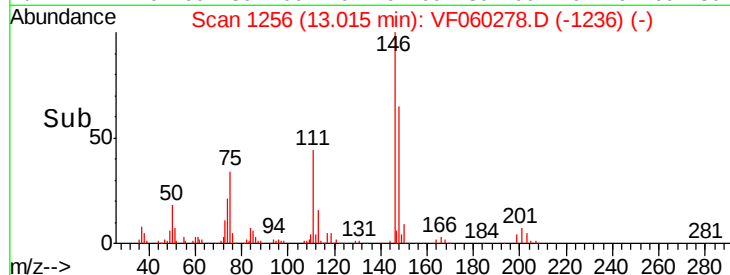
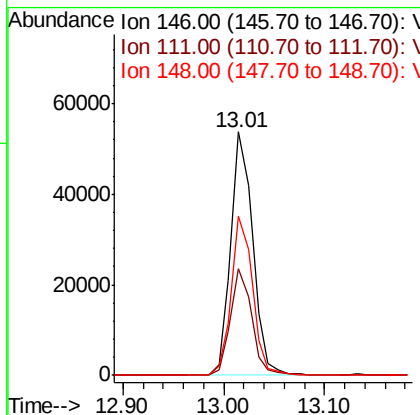
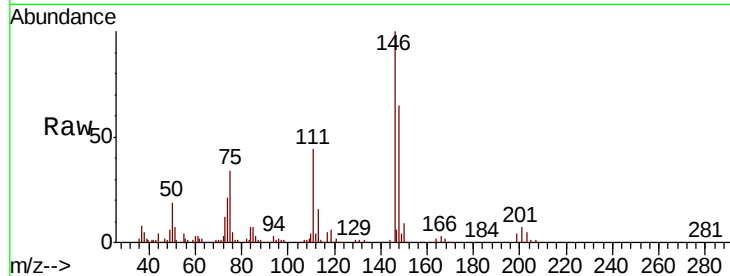
ClientSampleId :

VSTDIC010

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 146   | Resp: | 81627 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 43.7  | 20.9  | 62.8  |
| 148       | 65.2  | 31.9  | 95.9  |

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#92

1,2-Dibromo-3-Chloropropane

Concen: 12.62 ug/l

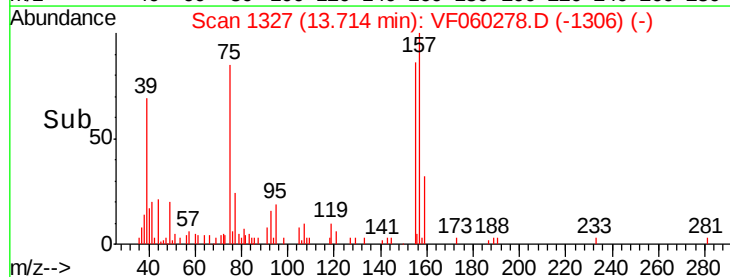
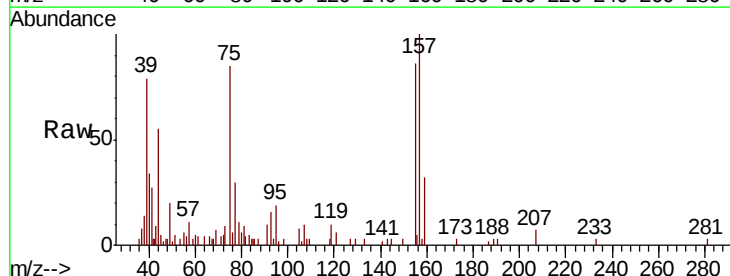
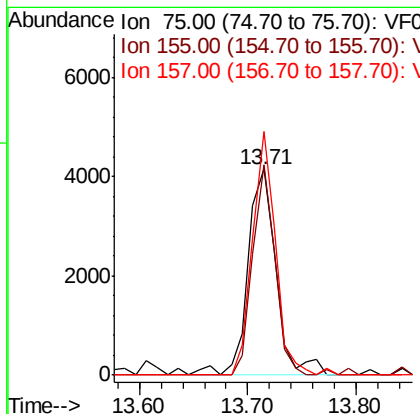
RT: 13.71 min Scan# 1327

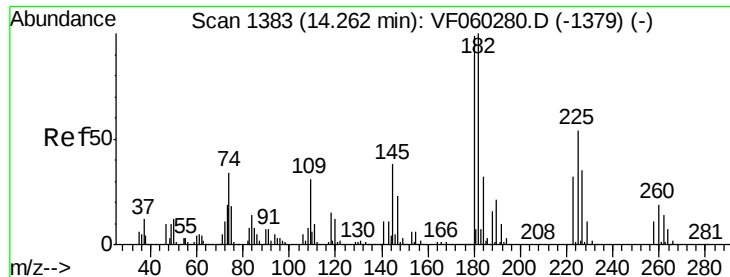
Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 7518  |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 108.1 | 41.9  | 125.7 |
| 157       | 118.2 | 57.4  | 172.0 |





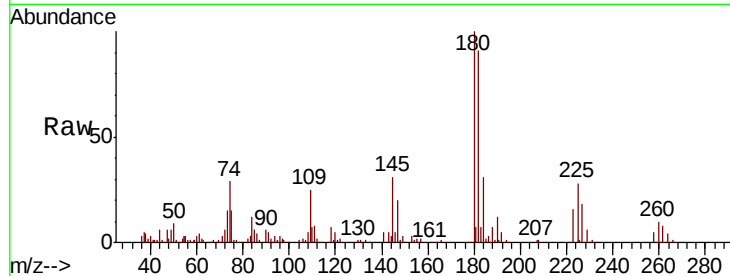
#93  
 1,2,4-Trichlorobenzene  
 Concen: 12.03 ug/l  
 RT: 14.27 min Scan# 1383  
 Delta R.T. 0.00 min  
 Lab File: VF060278.D  
 Acq: 19 Sep 2018 13:17

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDIC010

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 60155 |       |       |
| 182     | 91.2  |       | 50.3  | 151.0 |
| 145     | 30.9  |       | 18.9  | 56.9  |

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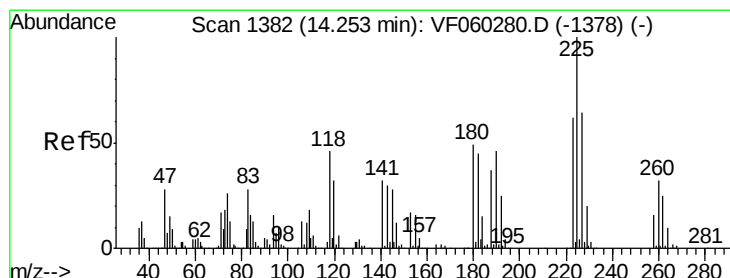
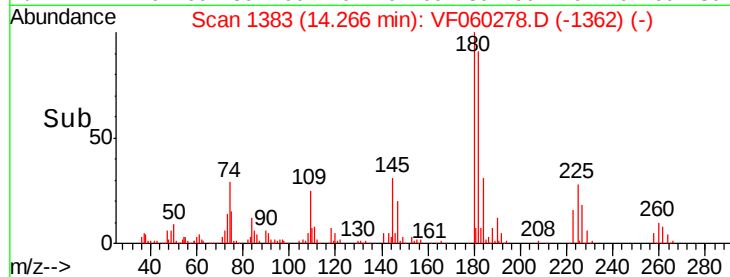
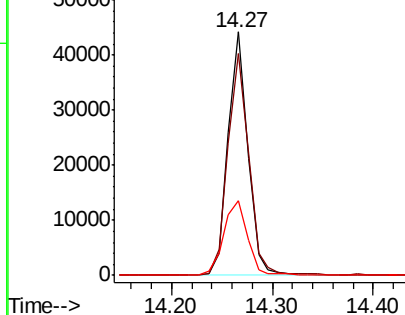


Abundance

Ion 180.00 (179.70 to 180.70): V

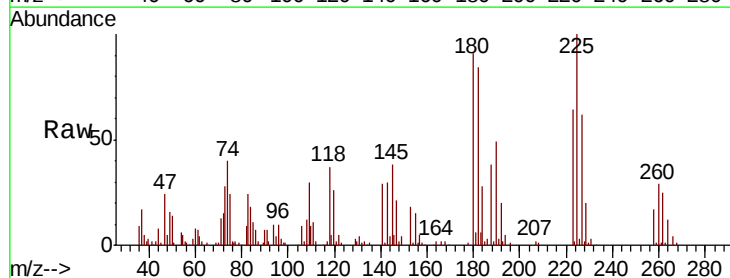
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94  
 Hexachlorobutadiene  
 Concen: 11.23 ug/l  
 RT: 14.26 min Scan# 1382  
 Delta R.T. 0.00 min  
 Lab File: VF060278.D  
 Acq: 19 Sep 2018 13:17

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 37954 |       |       |
| 223     | 66.3  |       | 31.2  | 93.6  |
| 227     | 61.7  |       | 32.2  | 96.6  |

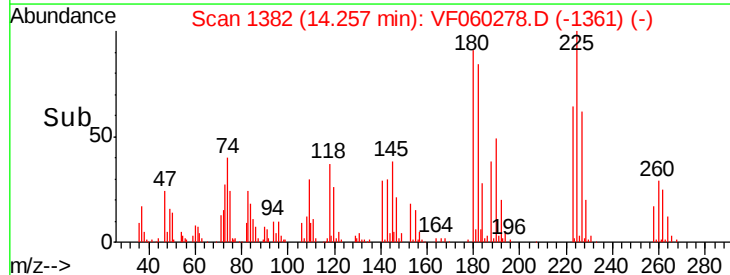
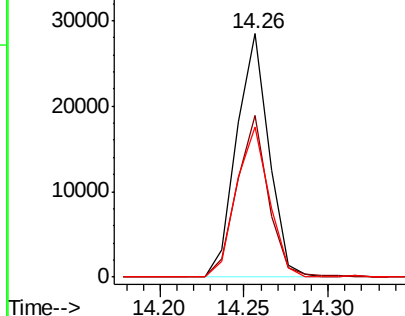


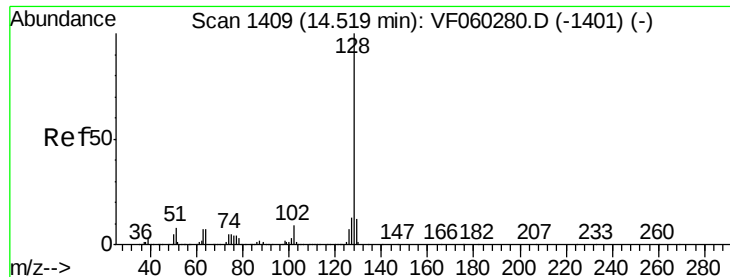
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 11.41 ug/l

RT: 14.52 min Scan# 1409

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Instrument :

MSVOA\_F

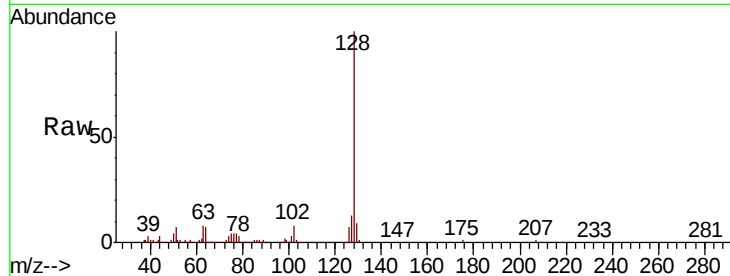
ClientSampleId :

VSTDIC010

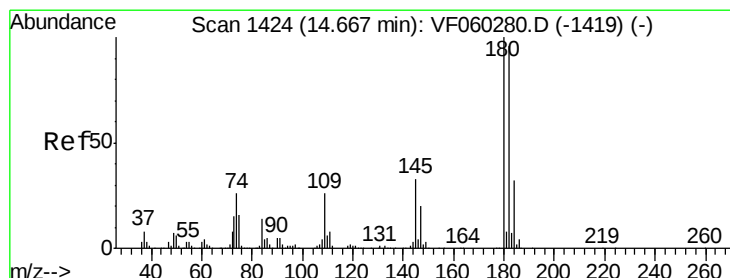
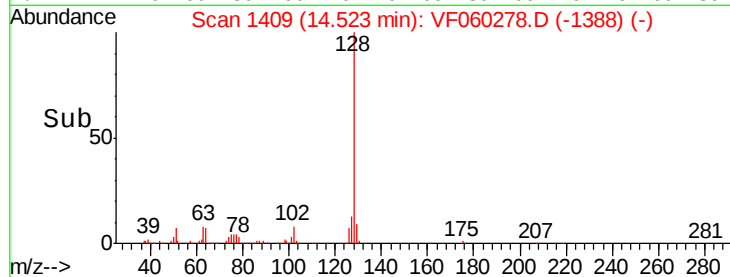
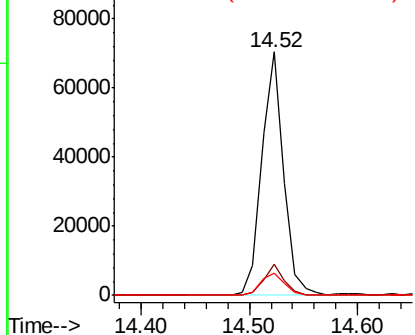
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 100022 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.7  | 10.1  | 15.1   |
| 129       | 9.0   | 9.8   | 14.8#  |

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



#96

1,2,3-Trichlorobenzene

Concen: 11.66 ug/l

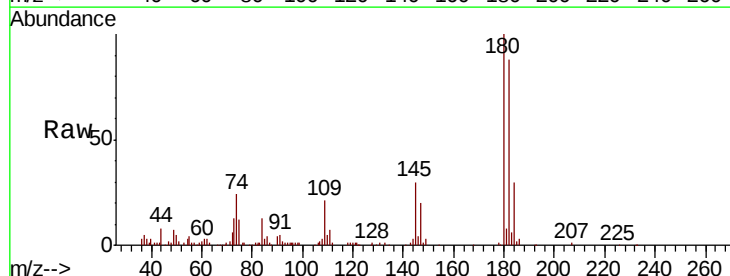
RT: 14.67 min Scan# 1424

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 53861 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 87.9  | 47.8  | 143.4 |
| 145       | 29.6  | 16.4  | 49.1  |



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

