

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102218\  
 Data File : VX005510.D  
 Acq On : 23 Oct 2018 09:53  
 Operator : JC/MD  
 Sample : J5603-20MSD  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 48 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RAV-GT104MSD

Manual Integrations  
 APPROVED

MMDadoda  
 10/23/2018 1:28:18 PM

Quant Time: Oct 23 12:21:29 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X101218W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 12 11:28:43 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 178994   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 278430   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 259955   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 145346   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |       |
|---------------------------|--------|-----|----------|-------|---------|-------|
| 33) 1,2-Dichloroethane-d4 | 6.06   | 65  | 120672   | 60.74 | ug/l    | -0.01 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 121.48% |       |
| 35) Dibromofluoromethane  | 5.51   | 113 | 93757    | 50.84 | ug/l    | 0.00  |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.68% |       |
| 50) Toluene-d8            | 8.72   | 98  | 330913   | 52.27 | ug/l    | 0.00  |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.54% |       |
| 62) 4-Bromofluorobenzene  | 11.14  | 95  | 128024   | 53.83 | ug/l    | 0.00  |
| Spiked Amount             | 50.000 |     | Recovery | =     | 107.66% |       |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 65647   | 46.907  | ug/l | 93     |
| 3) Chloromethane              | 1.32 | 50  | 101654  | 50.128  | ug/l | 100    |
| 4) Vinyl Chloride             | 1.40 | 62  | 102594  | 49.942  | ug/l | 98     |
| 5) Bromomethane               | 1.64 | 94  | 64351   | 55.402  | ug/l | 93     |
| 6) Chloroethane               | 1.71 | 64  | 66503   | 55.379  | ug/l | 96     |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 145548  | 53.093  | ug/l | 95     |
| 8) Diethyl Ether              | 2.19 | 74  | 64517   | 55.112  | ug/l | 83     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.38 | 101 | 74507   | 47.089  | ug/l | 97     |
| 10) Methyl Iodide             | 2.51 | 142 | 92771   | 53.300  | ug/l | 96     |
| 11) Tert butyl alcohol        | 3.08 | 59  | 156693  | 279.620 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 2.37 | 96  | 81077   | 51.717  | ug/l | 91     |
| 13) Acrolein                  | 2.29 | 56  | 83859   | 234.377 | ug/l | 97     |
| 14) Allyl chloride            | 2.73 | 41  | 184928  | 53.729  | ug/l | 95     |
| 15) Acrylonitrile             | 3.15 | 53  | 356174  | 280.483 | ug/l | 96     |
| 16) Acetone                   | 2.45 | 43  | 334462  | 291.190 | ug/l | 99     |
| 17) Carbon Disulfide          | 2.56 | 76  | 212658  | 44.779  | ug/l | 100    |
| 18) Methyl Acetate            | 2.78 | 43  | 179584  | 54.956  | ug/l | 93     |
| 19) Methyl tert-butyl Ether   | 3.21 | 73  | 331742  | 60.084  | ug/l | 98     |
| 20) Methylene Chloride        | 2.85 | 84  | 99592   | 59.763  | ug/l | # 90   |
| 21) trans-1,2-Dichloroethene  | 3.16 | 96  | 89088   | 51.278  | ug/l | 96     |
| 22) Diisopropyl ether         | 3.87 | 45  | 357653  | 61.866  | ug/l | # 85   |
| 23) Vinyl Acetate             | 3.82 | 43  | 1273357 | 252.006 | ug/l | 95     |
| 24) 1,1-Dichloroethane        | 3.70 | 63  | 191960  | 57.937  | ug/l | 99     |
| 25) 2-Butanone                | 4.71 | 43  | 489102  | 291.038 | ug/l | 93     |
| 26) 2,2-Dichloropropane       | 4.58 | 77  | 85876   | 34.657  | ug/l | 98     |
| 27) cis-1,2-Dichloroethene    | 4.60 | 96  | 102315  | 54.189  | ug/l | 98     |
| 28) Bromochloromethane        | 5.02 | 49  | 89924   | 59.536  | ug/l | 89     |
| 29) Tetrahydrofuran           | 5.16 | 42  | 311335  | 290.432 | ug/l | 91     |
| 30) Chloroform                | 5.21 | 83  | 175815  | 57.170  | ug/l | 98     |
| 31) Cyclohexane               | 5.57 | 56  | 125479  | 45.950  | ug/l | 92     |
| 32) 1,1,1-Trichloroethane     | 5.49 | 97  | 150848  | 56.373  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 5.79 | 75  | 118641  | 43.997  | ug/l | 99     |
| 37) Ethyl Acetate             | 4.86 | 43  | 151122  | 43.578  | ug/l | 96     |
| 38) Carbon Tetrachloride      | 5.78 | 117 | 130183  | 48.047  | ug/l | 95     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102218\  
 Data File : VX005510.D  
 Acq On : 23 Oct 2018 09:53  
 Operator : JC/MD  
 Sample : J5603-20MSD  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 48 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 RAV-GT104MSD

Manual Integrations  
 APPROVED

MMDadoda  
 10/23/2018 1:28:18 PM

Quant Time: Oct 23 12:21:29 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X101218W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 12 11:28:43 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 107315   | 36.771  | ug/l   | 95       |
| 40) Benzene                    | 6.15  | 78   | 404905   | 50.055  | ug/l   | 97       |
| 41) Methacrylonitrile          | 5.06  | 41   | 97596    | 52.495  | ug/l   | 95       |
| 42) 1,2-Dichloroethane         | 6.20  | 62   | 150153   | 52.569  | ug/l   | 96       |
| 43) Isopropyl Acetate          | 6.46  | 43   | 242582   | 52.512  | ug/l   | 95       |
| 44) Trichloroethene            | 7.21  | 130  | 98204    | 47.515  | ug/l   | 93       |
| 45) 1,2-Dichloropropane        | 7.52  | 63   | 105919   | 53.379  | ug/l   | 100      |
| 46) Dibromomethane             | 7.66  | 93   | 68119    | 52.014  | ug/l   | 97       |
| 47) Bromodichloromethane       | 7.90  | 83   | 135052   | 55.750  | ug/l   | 100      |
| 48) Methyl methacrylate        | 7.78  | 41   | 137290   | 57.302  | ug/l   | 94       |
| 49) 1,4-Dioxane                | 7.76  | 88   | 53930    | 975.907 | ug/l   | 93       |
| 51) 4-Methyl-2-Pentanone       | 8.65  | 43   | 942490   | 294.655 | ug/l   | 94       |
| 52) Toluene                    | 8.79  | 92   | 235869   | 53.298  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 137829   | 52.575  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 8.44  | 75   | 145205   | 51.118  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 104071   | 55.521  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 9.18  | 69   | 160816   | 58.851  | ug/l   | 92       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 171859   | 54.931  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 8.28  | 63   | 743      | 0.485   | ug/l # | 45       |
| 59) 2-Hexanone                 | 9.50  | 43   | 747170   | 290.390 | ug/l   | 92       |
| 60) Dibromochloromethane       | 9.59  | 129  | 110957   | 57.266  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 106241   | 54.007  | ug/l   | 100      |
| 64) Tetrachloroethene          | 9.34  | 164  | 94262    | 45.042  | ug/l   | 97       |
| 65) Chlorobenzene              | 10.14 | 112  | 270990   | 49.007  | ug/l   | 94       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.22 | 131  | 102828   | 52.183  | ug/l   | 99       |
| 67) Ethyl Benzene              | 10.26 | 91   | 456482   | 50.781  | ug/l   | 97       |
| 68) m/p-Xylenes                | 10.36 | 106  | 352406   | 101.004 | ug/l   | 94       |
| 69) o-Xylene                   | 10.70 | 106  | 173099   | 51.442  | ug/l   | 97       |
| 70) Styrene                    | 10.71 | 104  | 292845   | 52.911  | ug/l   | 97       |
| 71) Bromoform                  | 10.86 | 173  | 92859    | 52.733  | ug/l # | 99       |
| 73) Isopropylbenzene           | 11.02 | 105  | 457782   | 52.982  | ug/l   | 99       |
| 74) N-amyl acetate             | 10.90 | 43   | 207855   | 49.876  | ug/l   | 93       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 176185   | 54.054  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 11.30 | 75   | 151108m  | 53.598  | ug/l   |          |
| 77) Bromobenzene               | 11.26 | 156  | 127862   | 51.755  | ug/l   | 98       |
| 78) n-propylbenzene            | 11.36 | 91   | 523789   | 52.680  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 324138   | 53.230  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 392603   | 53.061  | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-buten | 11.08 | 75   | 42927    | 46.264  | ug/l   | 99       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 380912   | 52.769  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 11.77 | 119  | 399036   | 53.256  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 408968   | 53.710  | ug/l   | 97       |
| 85) sec-Butylbenzene           | 11.95 | 105  | 451803   | 50.953  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 12.07 | 119  | 404409   | 50.460  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 230534   | 49.937  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 236074   | 49.987  | ug/l   | 99       |
| 89) n-Butylbenzene             | 12.39 | 91   | 344294   | 47.314  | ug/l   | 97       |
| 90) Hexachloroethane           | 12.60 | 117  | 71659    | 51.881  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 241462   | 51.255  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75   | 41926    | 52.733  | ug/l   | 96       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102218\  
Data File : VX005510.D  
Acq On : 23 Oct 2018 09:53  
Operator : JC/MD  
Sample : J5603-20MSD  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 48 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
RAV-GT104MSD

Manual Integrations  
APPROVED

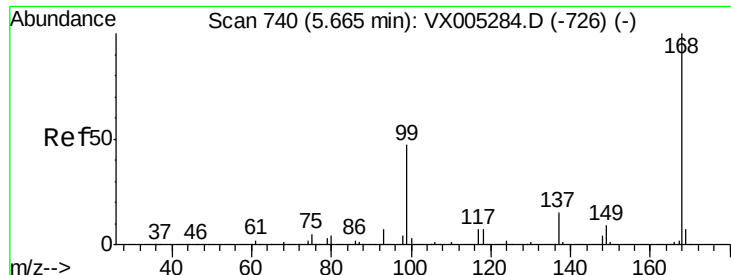
MMDadoda  
10/23/2018 1:28:18 PM

Quant Time: Oct 23 12:21:29 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X101218W.M  
Quant Title : SW846 8260  
QLast Update : Fri Oct 12 11:28:43 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180  | 173516   | 50.203 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.79 | 225  | 76935    | 42.146 | ug/l  | 98       |
| 95) Naphthalene            | 13.83 | 128  | 574804   | 57.344 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 181877   | 51.429 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX005510.D

Acq: 23 Oct 2018 09:53

Instrument :

MSVOA\_X

ClientSampleId :

RAV-GT104MSD

Tot Ion:168 Resp: 178994

Ion Ratio Lower Upper

168 100

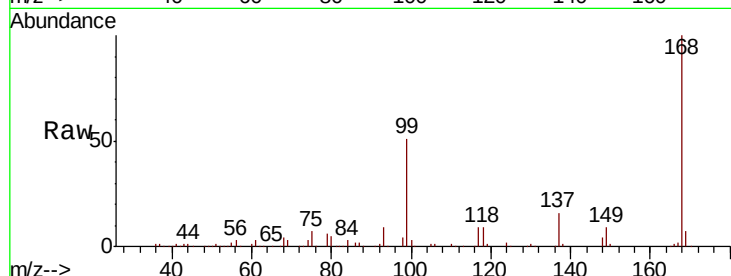
99 50.5 39.9 59.9

Manual Integrations

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10/23/2018 1:28:18 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

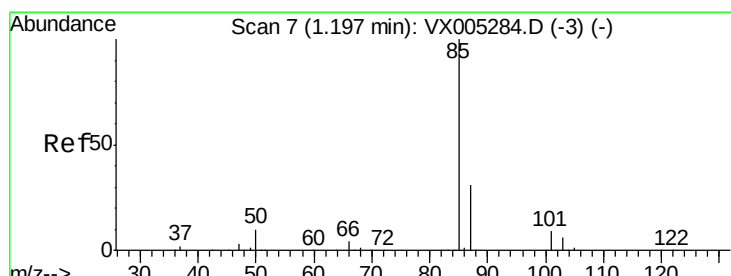
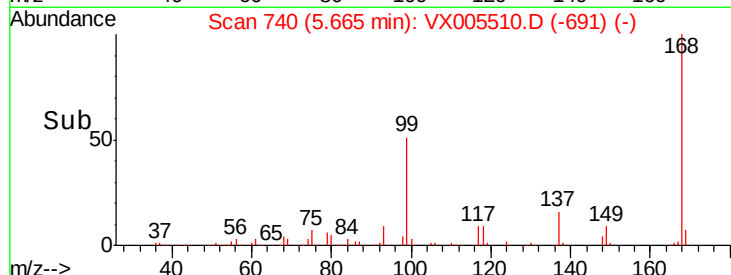
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 46.907 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005510.D

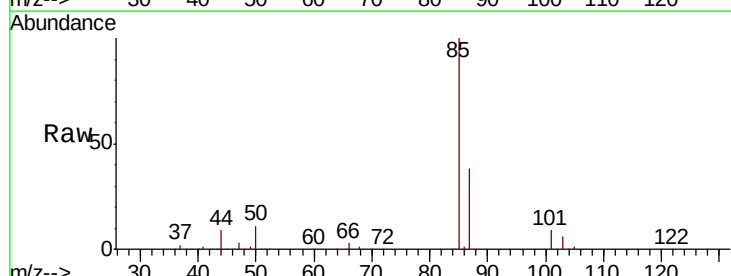
Acq: 23 Oct 2018 09:53

Tgt Ion: 85 Resp: 65647

Ion Ratio Lower Upper

85 100

87 37.9 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

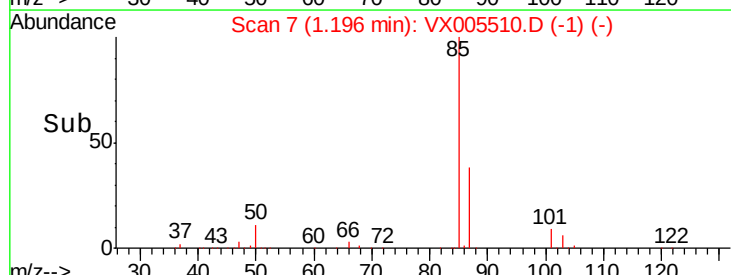
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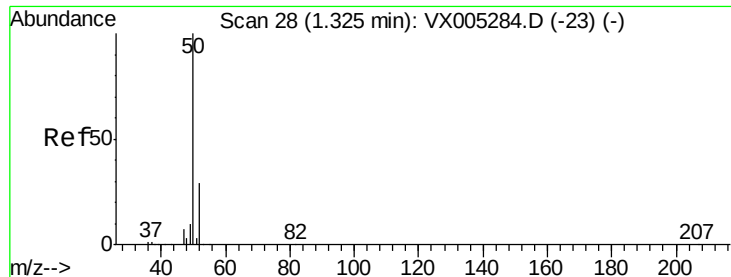
40000

20000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 50.128 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005510.D

Acq: 23 Oct 2018 09:53

Instrument :

MSVOA\_X

ClientSampleId :

RAV-GT104MSD

Tot Ion: 50 Resp: 101654

Ion Ratio Lower Upper

50 100

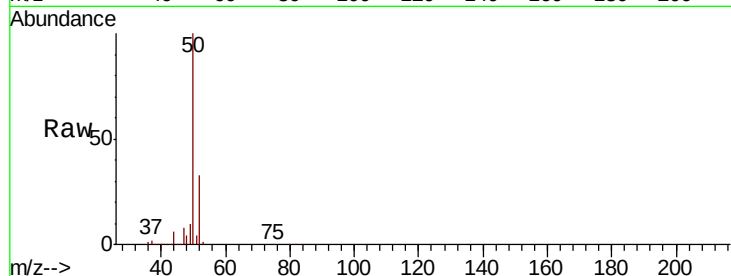
52 32.8 26.2 39.2

Manual Integrations

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10/23/2018 1:28:18 PM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

100000

80000

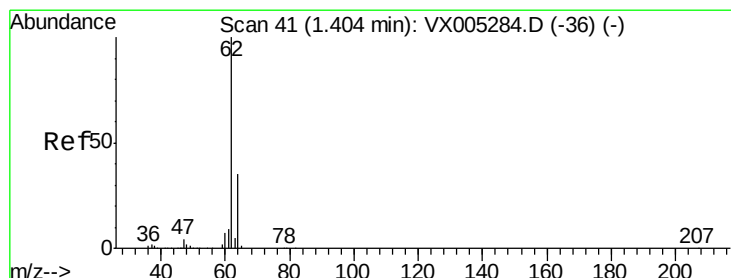
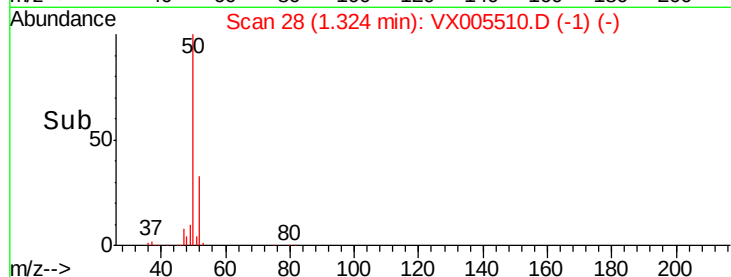
60000

40000

20000

0

Time--> 1.25 1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 49.942 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005510.D

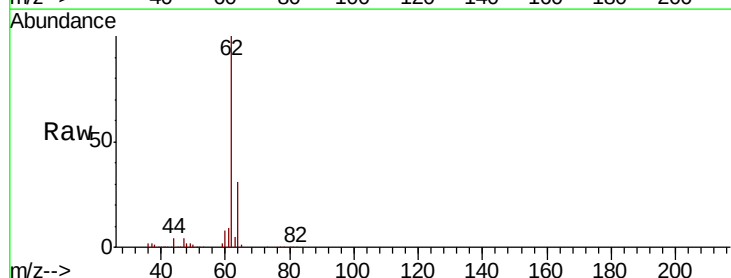
Acq: 23 Oct 2018 09:53

Tgt Ion: 62 Resp: 102594

Ion Ratio Lower Upper

62 100

64 31.0 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

100000

80000

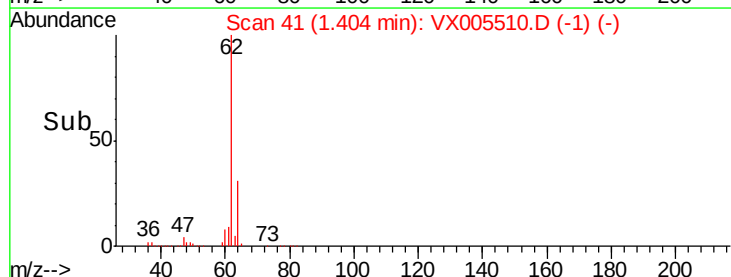
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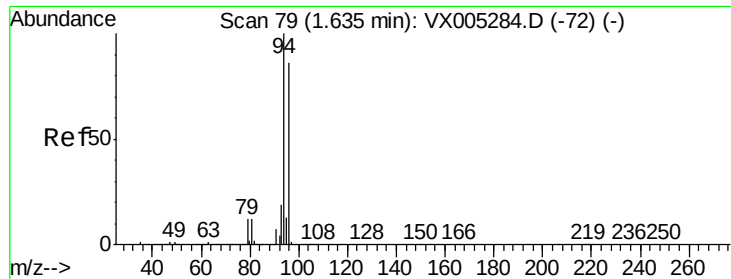
40000

20000

0

Time--> 1.30 1.35 1.40 1.45 1.50





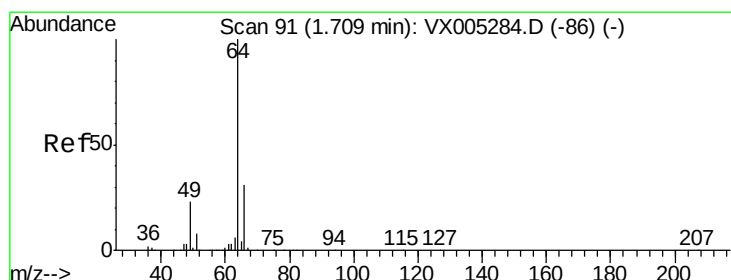
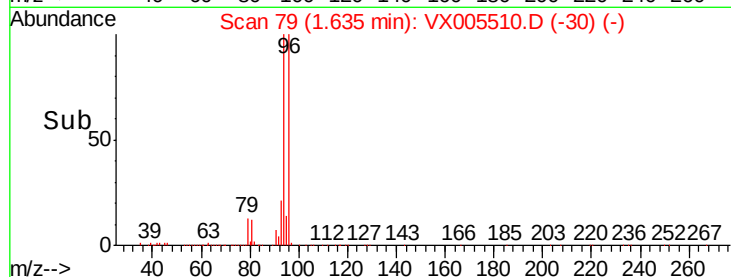
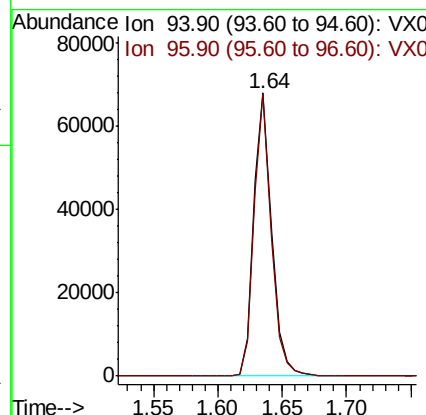
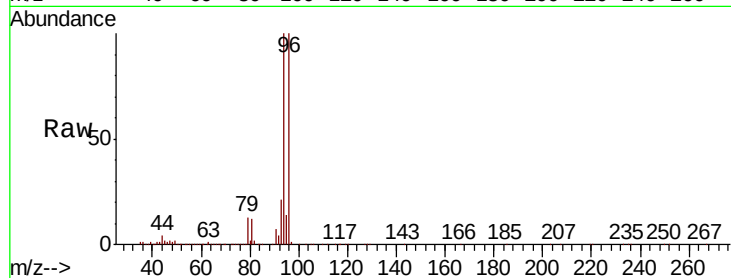
#5  
Bromomethane  
Concen: 55.402 ug/l  
RT: 1.64 min Scan# 79  
Delta R.T. 0.00 min  
Lab File: VX005510.D  
Acq: 23 Oct 2018 09:53

Instrument :  
MSVOA\_X  
ClientSampleId :  
RAV-GT104MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 94      | 100   |       |       |
| 96      | 99.7  | 74.5  | 111.7 |

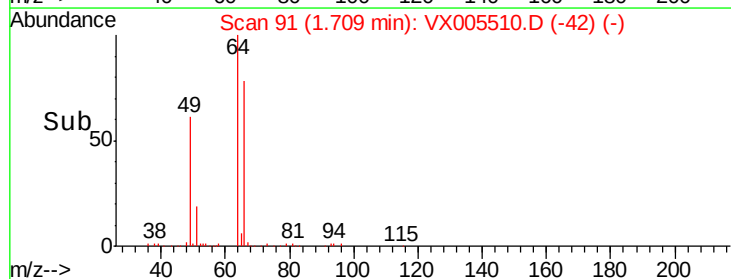
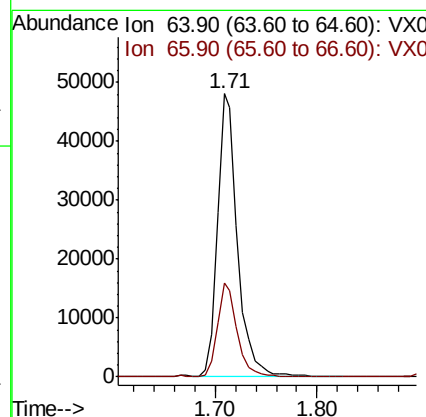
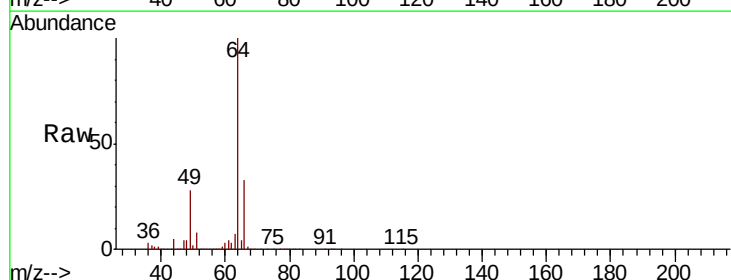
Manual Integrations  
APPROVED

MMDadoda  
10/23/2018 1:28:18 PM

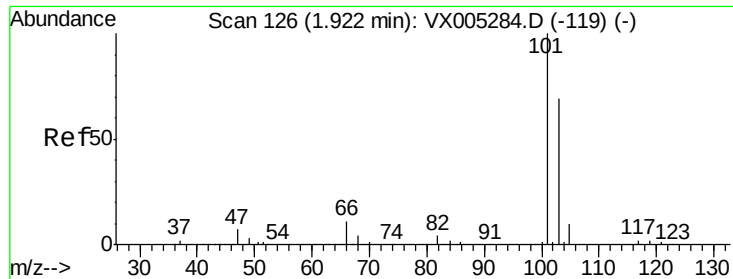


#6  
Chloroethane  
Concen: 55.379 ug/l  
RT: 1.71 min Scan# 91  
Delta R.T. 0.00 min  
Lab File: VX005510.D  
Acq: 23 Oct 2018 09:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 64      | 100   |       |       |
| 66      | 32.9  | 24.6  | 36.8  |







#7

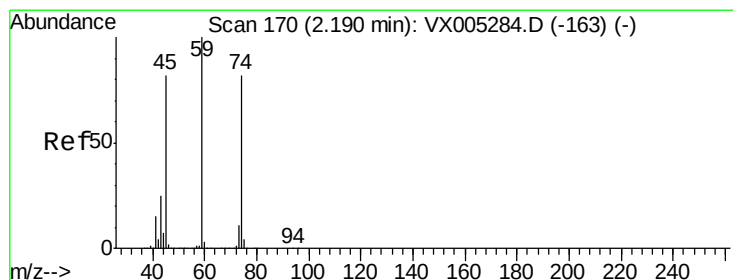
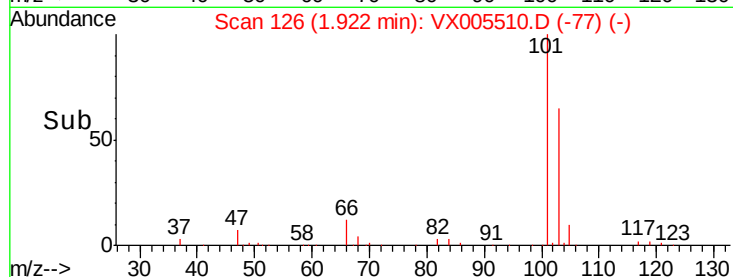
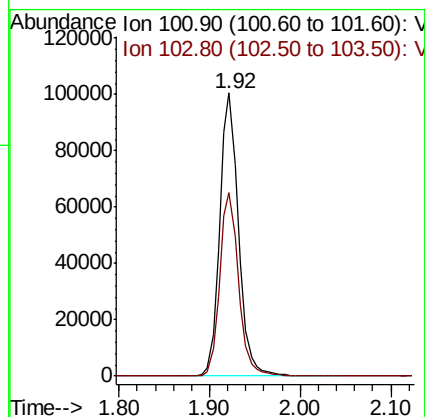
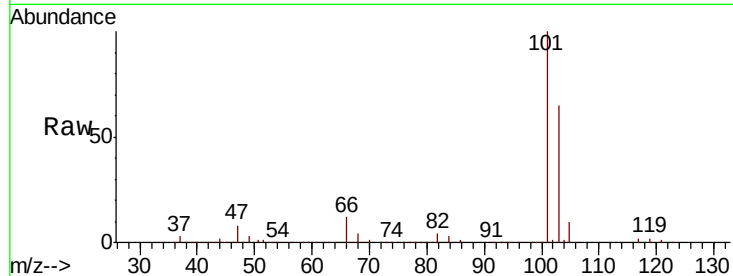
Trichlorofluoromethane  
 Concen: 53.093 ug/l  
 RT: 1.92 min Scan# 126  
 Delta R.T. -0.00 min  
 Lab File: VX005510.D  
 Acq: 23 Oct 2018 09:53

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RAV-GT104MSD

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 101     | 100  |       | 145548 |       |       |
| 103     | 64.9 | 48.9  | 73.3   |       |       |

Manual Integrations  
 APPROVED

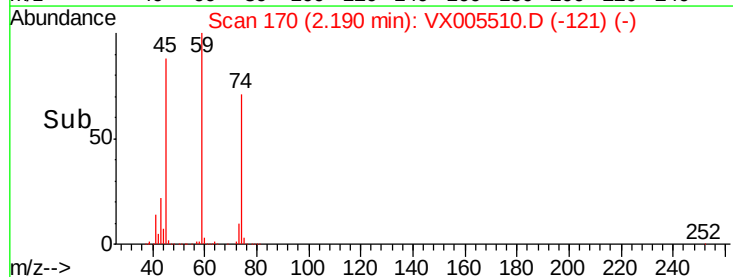
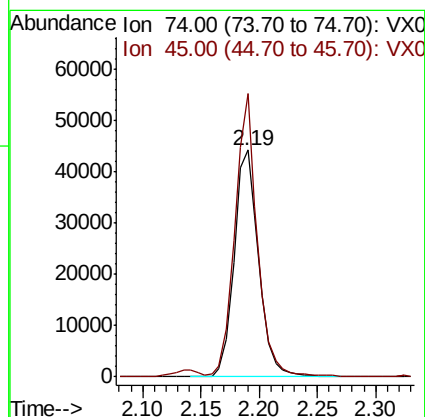
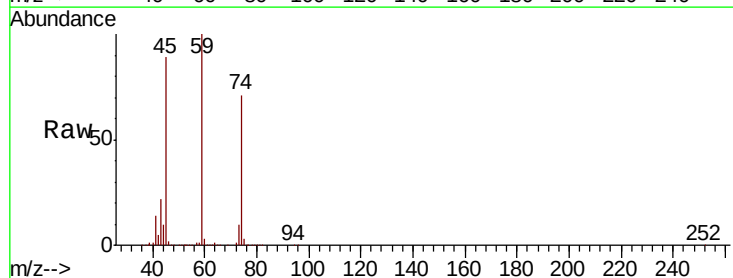
MMDadoda  
 10/23/2018 1:28:18 PM



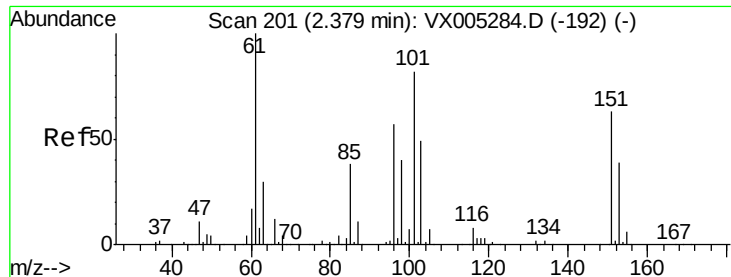
#8

Diethyl Ether  
 Concen: 55.112 ug/l  
 RT: 2.19 min Scan# 170  
 Delta R.T. -0.00 min  
 Lab File: VX005510.D  
 Acq: 23 Oct 2018 09:53

| Tgt Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 74      | 100   |       | 64517 |       |       |
| 45      | 113.4 | 48.3  | 144.8 |       |       |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.089 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005510.D

Acq: 23 Oct 2018 09:53

Instrument :

MSVOA\_X

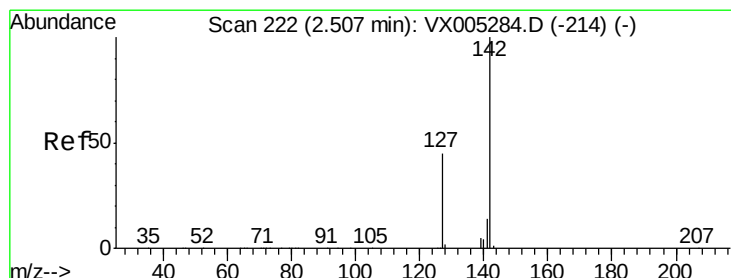
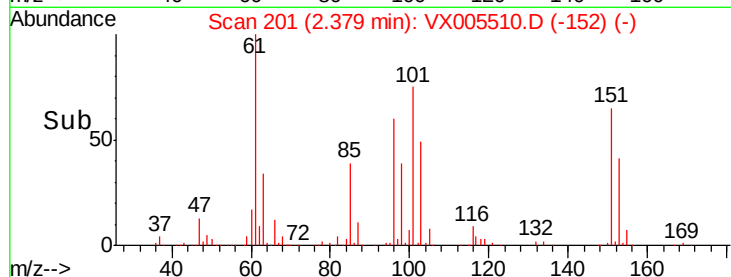
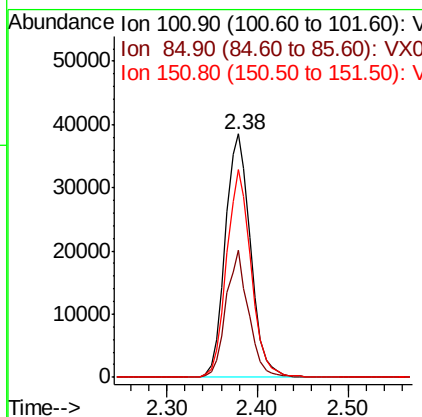
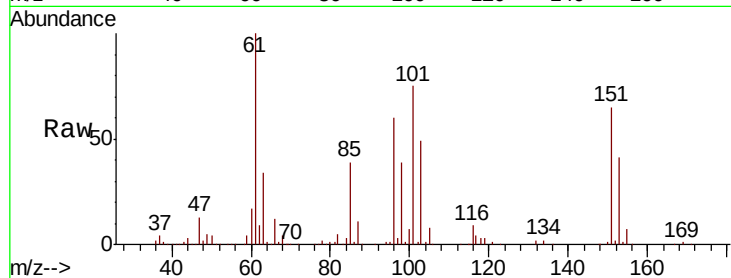
ClientSampleId :

RAV-GT104MSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 74507 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 47.0  | 34.2  | 51.4  |
| 151       | 82.7  | 65.0  | 97.6  |

Manual Integrations  
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#10

Methyl Iodide

Concen: 53.300 ug/l

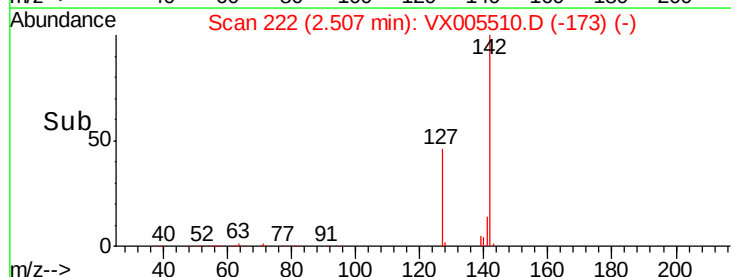
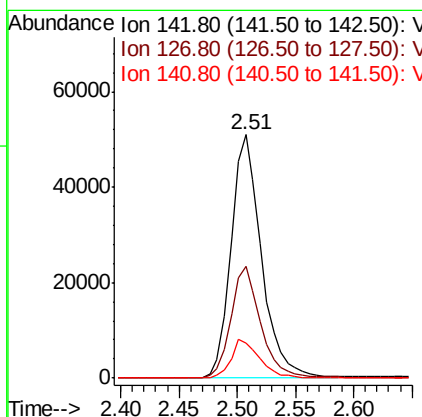
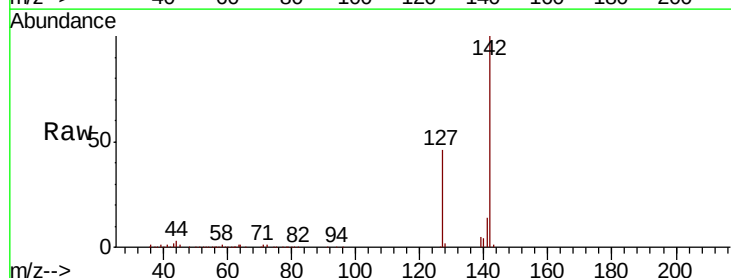
RT: 2.51 min Scan# 222

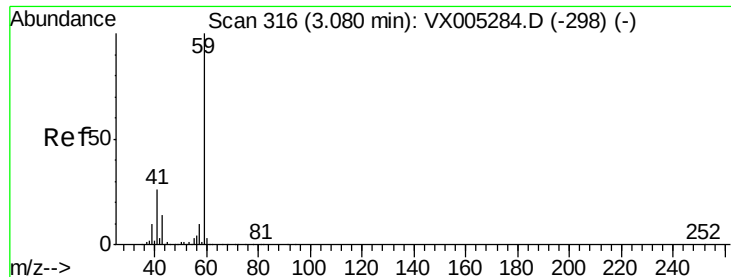
Delta R.T. 0.00 min

Lab File: VX005510.D

Acq: 23 Oct 2018 09:53

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 92771 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 45.3  | 33.8  | 50.6  |
| 141       | 15.1  | 11.4  | 17.0  |





#11

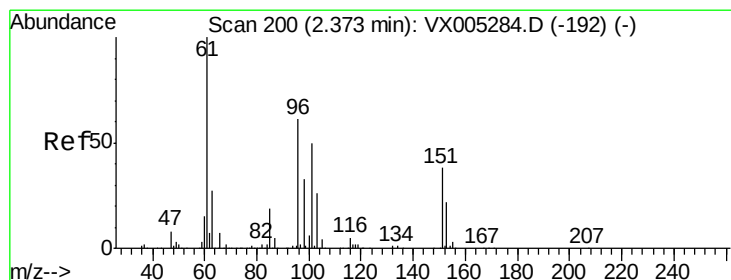
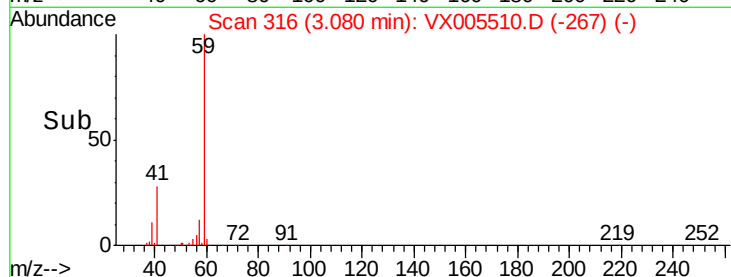
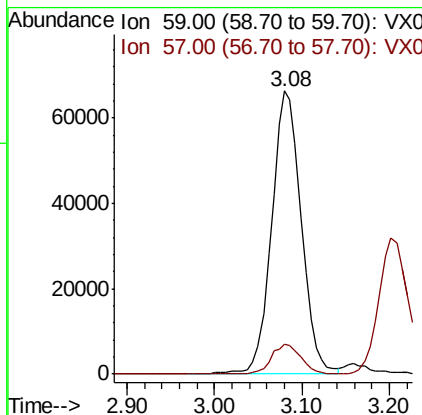
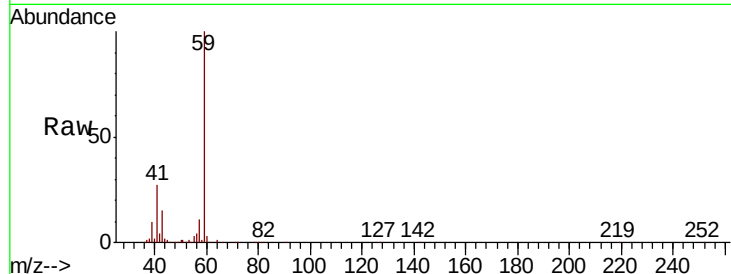
Tert butyl alcohol  
Concen: 279.620 ug/l  
RT: 3.08 min Scan# 316  
Delta R.T. -0.00 min  
Lab File: VX005510.D  
Acq: 23 Oct 2018 09:53

Instrument :  
MSVOA\_X  
ClientSampleId :  
RAV-GT104MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.7  | 8.2   | 12.4  |

Manual Integrations  
APPROVED

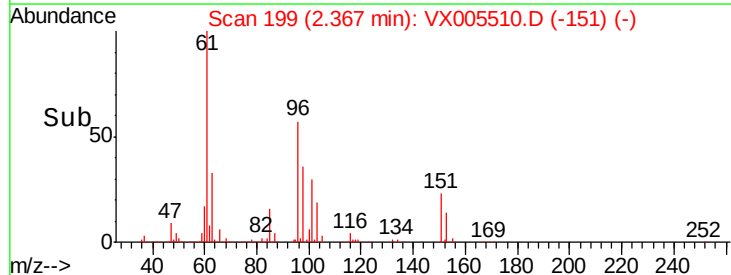
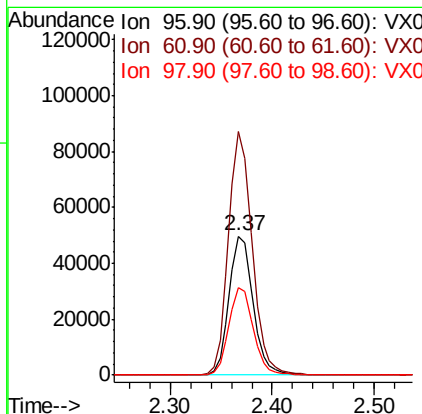
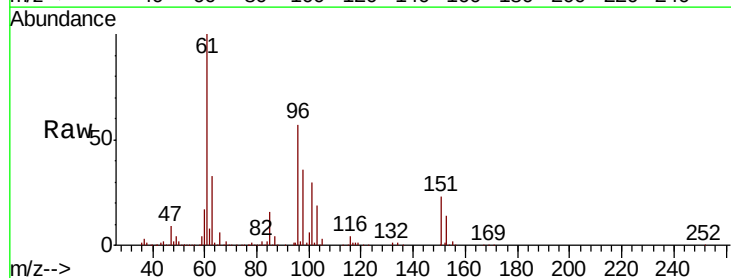
MMDadoda  
10/23/2018 1:28:18 PM

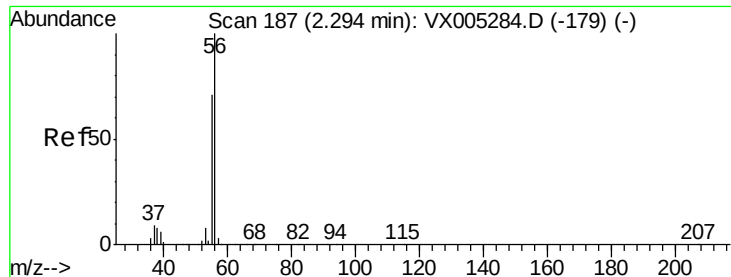


#12

1,1-Dichloroethene  
Concen: 51.717 ug/l  
RT: 2.37 min Scan# 199  
Delta R.T. -0.01 min  
Lab File: VX005510.D  
Acq: 23 Oct 2018 09:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 175.4 | 128.8 | 193.2 |
| 98      | 63.0  | 52.2  | 78.2  |





#13

Acrolein

Concen: 234.377 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005510.D

Acq: 23 Oct 2018 09:53

Instrument :

MSVOA\_X

ClientSampleId :

RAV-GT104MSD

Tot Ion: 56 Resp: 83859

Ion Ratio Lower Upper

56 100

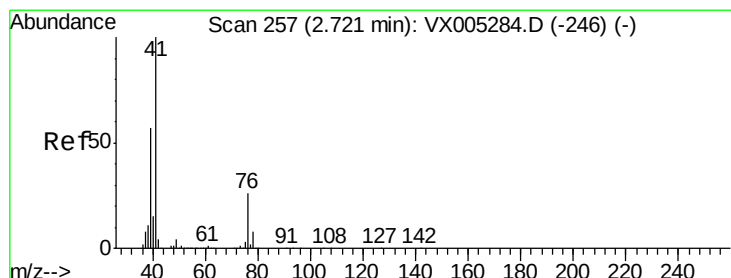
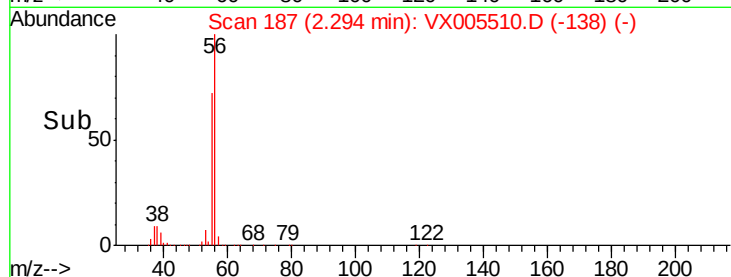
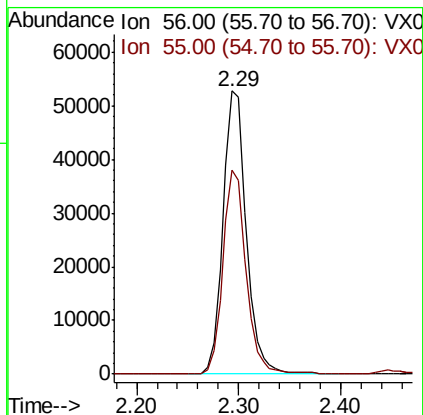
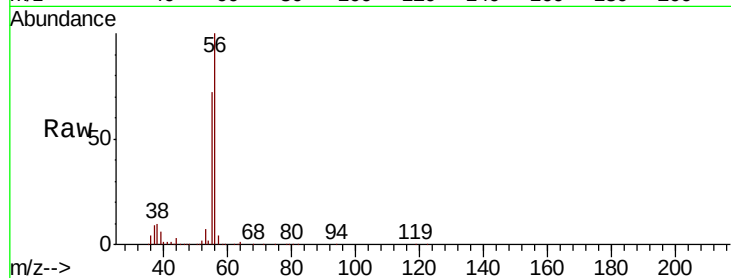
55 70.7 54.7 82.1

Manual Integrations

APPROVED

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#14

Allyl chloride

Concen: 53.729 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005510.D

Acq: 23 Oct 2018 09:53

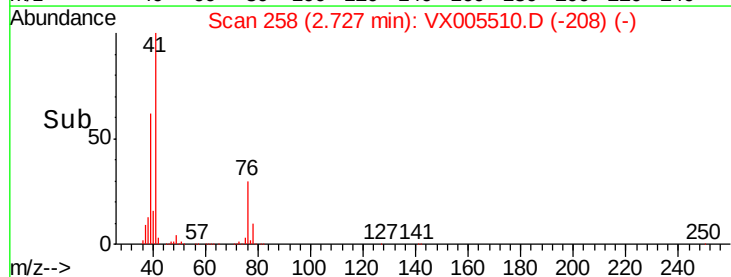
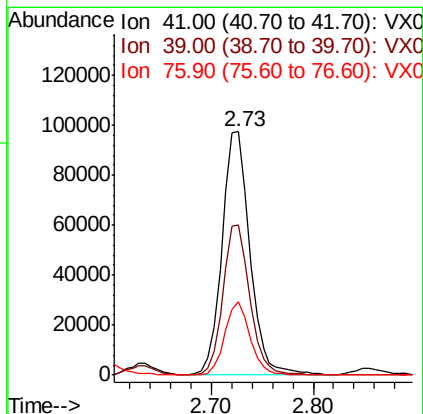
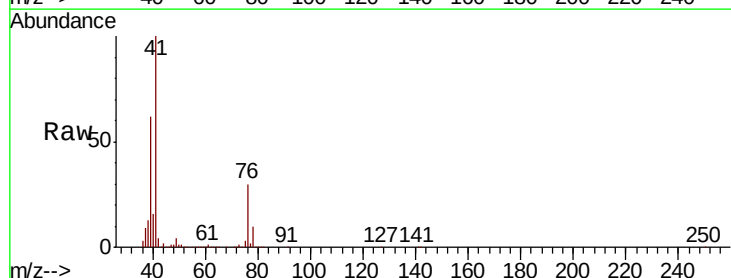
Tgt Ion: 41 Resp: 184928

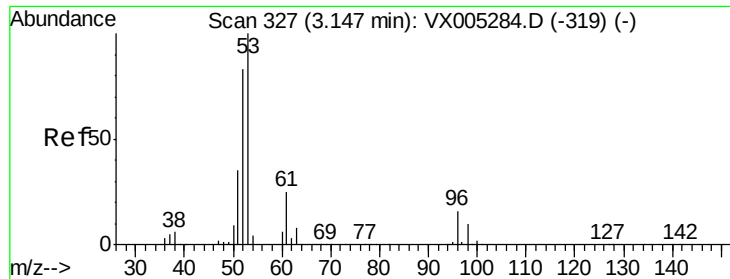
Ion Ratio Lower Upper

41 100

39 59.1 48.9 73.3

76 27.6 26.7 40.1





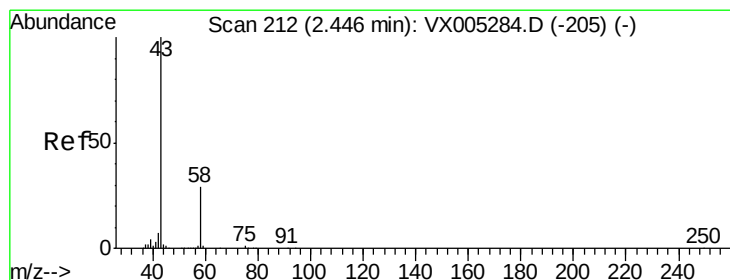
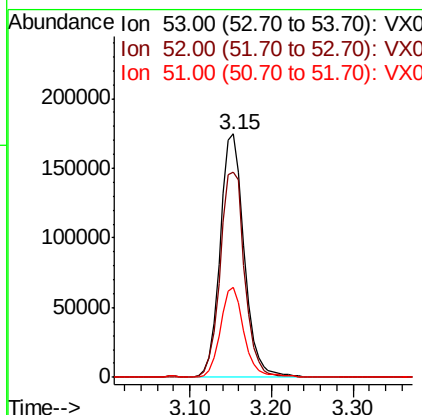
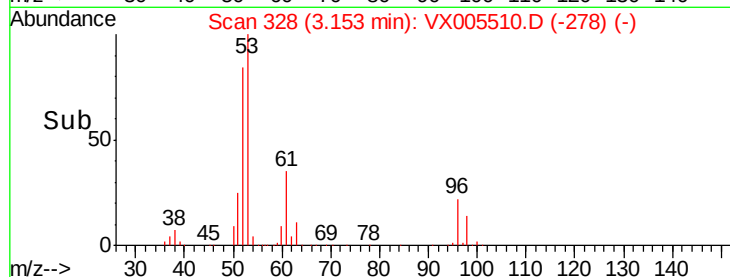
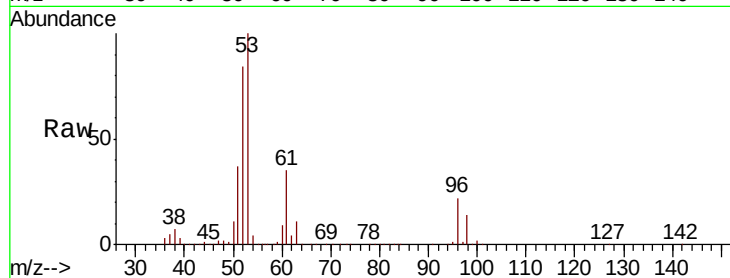
#15  
 Acrylonitrile  
 Concen: 280.483 ug/l  
 RT: 3.15 min Scan# 328  
 Delta R.T. 0.01 min  
 Lab File: VX005510.D  
 Acq: 23 Oct 2018 09:53

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RAV-GT104MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 53      | 100   |       |       |
| 52      | 85.9  | 65.2  | 97.8  |
| 51      | 36.5  | 28.2  | 42.2  |

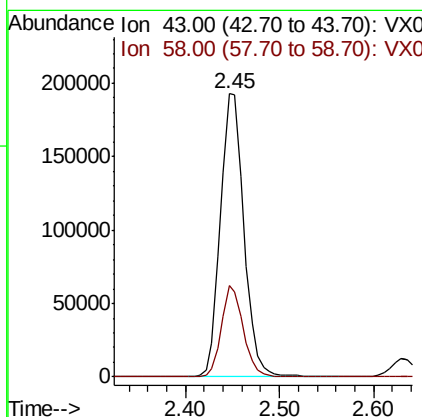
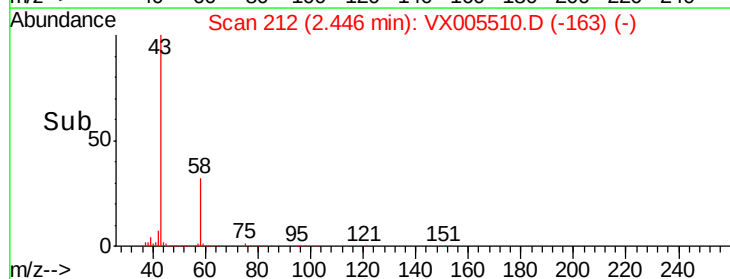
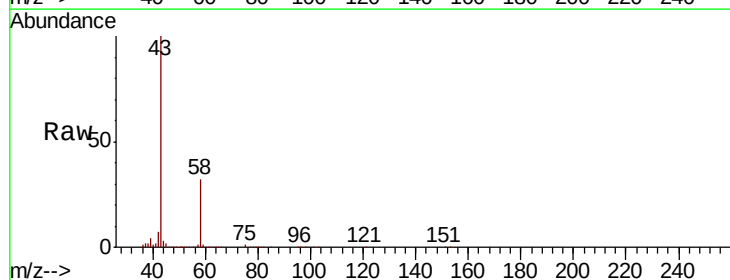
Manual Integrations  
 APPROVED

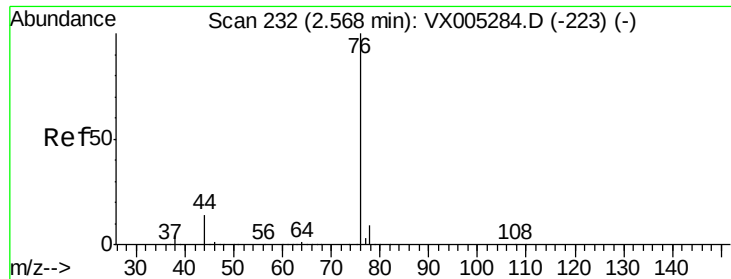
MMDadoda  
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#16  
 Acetone  
 Concen: 291.190 ug/l  
 RT: 2.45 min Scan# 212  
 Delta R.T. -0.00 min  
 Lab File: VX005510.D  
 Acq: 23 Oct 2018 09:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 32.2  | 26.2  | 39.4  |





#17

Carbon Disulfide

Concen: 44.779 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX005510.D

Acq: 23 Oct 2018 09:53

Instrument :

MSVOA\_X

ClientSampleId :

RAV-GT104MSD

Tot Ion: 76 Resp: 212658

Ion Ratio Lower Upper

76 100

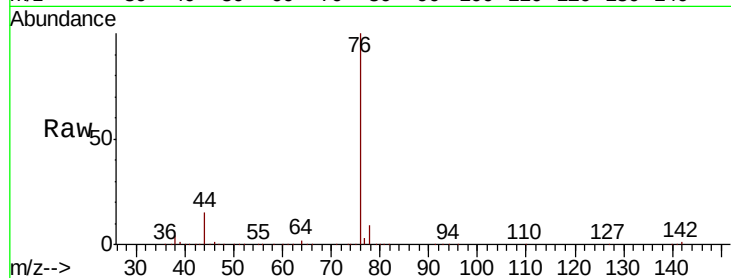
78 8.9 7.0 10.6

Manual Integrations

APPROVED

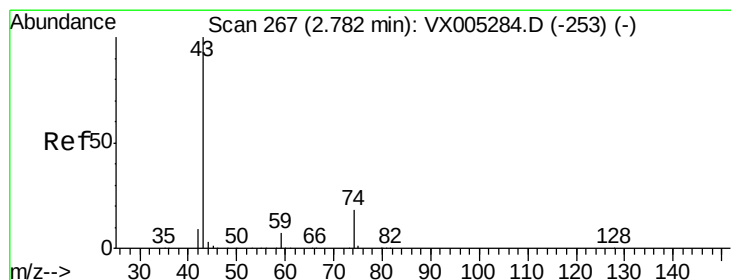
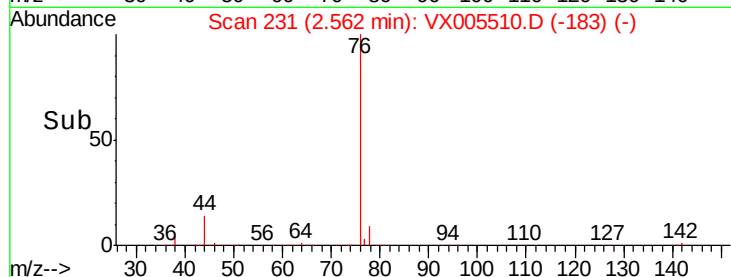
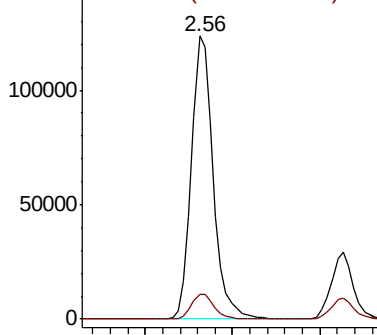
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 54.956 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX005510.D

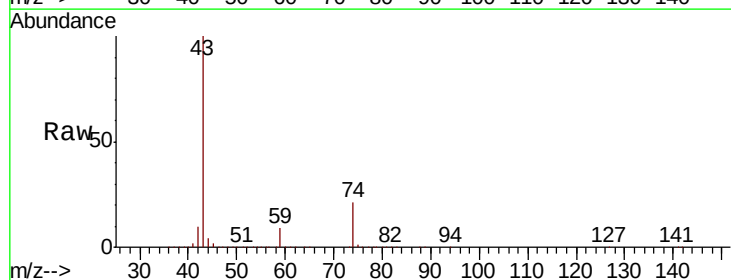
Acq: 23 Oct 2018 09:53

Tgt Ion: 43 Resp: 179584

Ion Ratio Lower Upper

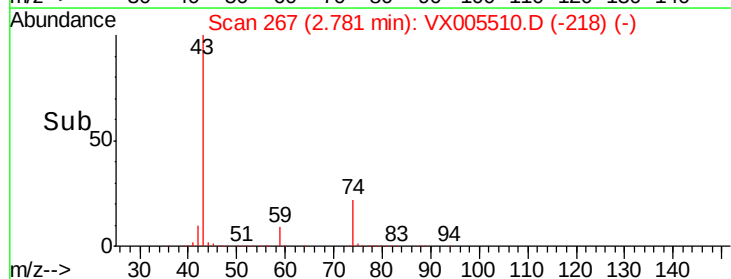
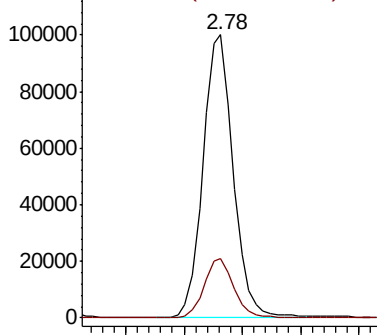
43 100

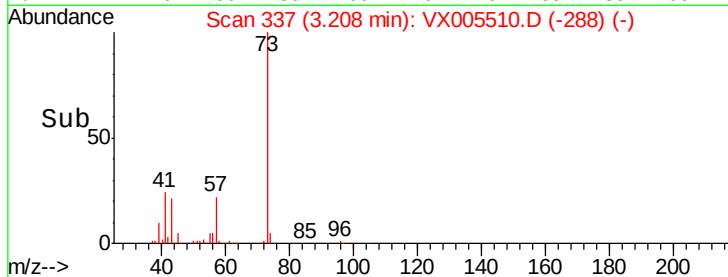
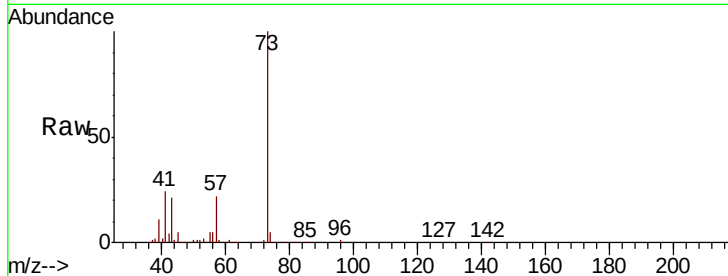
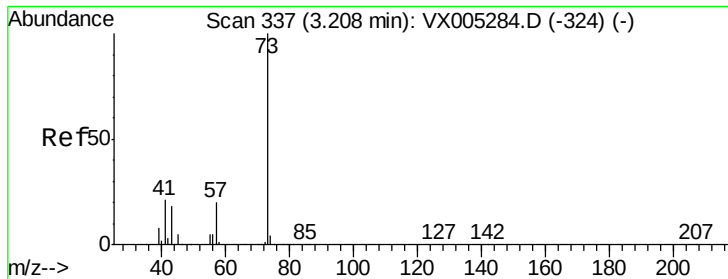
74 20.9 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





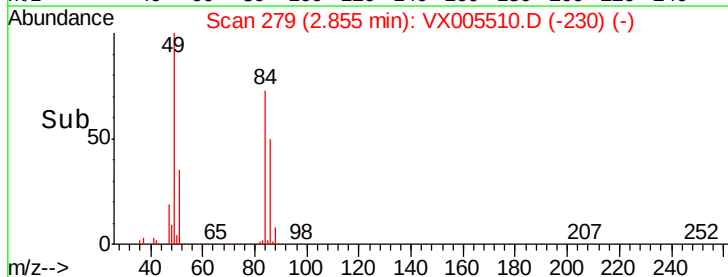
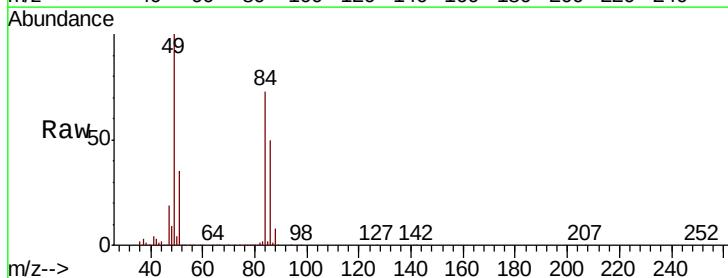
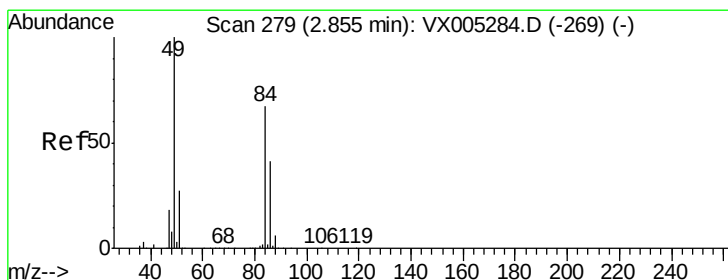
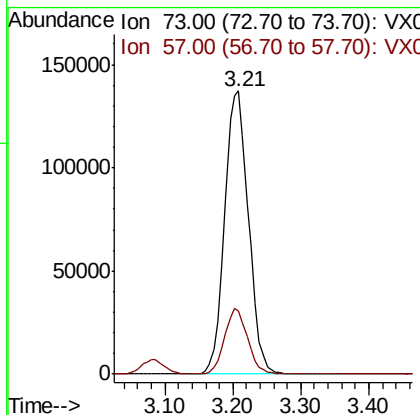
#19  
Methyl tert-butyl Ether  
Concen: 60.084 ug/l  
RT: 3.21 min Scan# 337  
Delta R.T. -0.00 min  
Lab File: VX005510.D  
Acq: 23 Oct 2018 09:53

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 22.4  | 17.1  | 25.7  |

Instrument :  
MSVOA\_X  
ClientSampleId :  
RAV-GT104MSD

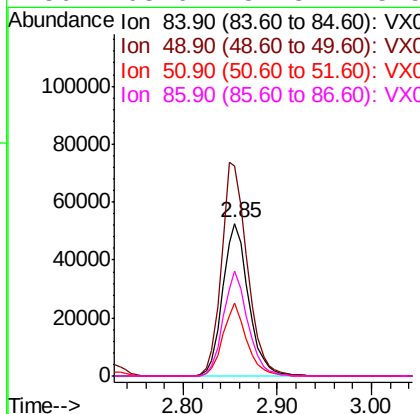
Manual Integrations  
APPROVED

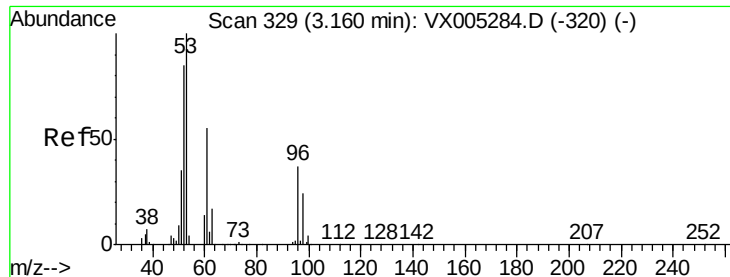
MMDadoda  
10/23/2018 1:28:18 PM



#20  
Methylene Chloride  
Concen: 59.763 ug/l  
RT: 2.85 min Scan# 279  
Delta R.T. 0.00 min  
Lab File: VX005510.D  
Acq: 23 Oct 2018 09:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 137.6 | 101.2 | 151.8 |
| 51      | 48.0  | 29.5  | 44.3  |
| 86      | 68.6  | 52.3  | 78.5  |





#21

trans-1,2-Dichloroethene

Concen: 51.278 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX005510.D

Acq: 23 Oct 2018 09:53

Instrument :

MSVOA\_X

ClientSampleId :

RAV-GT104MSD

Tot Ion: 96 Resp: 89088

Ion Ratio Lower Upper

96 100

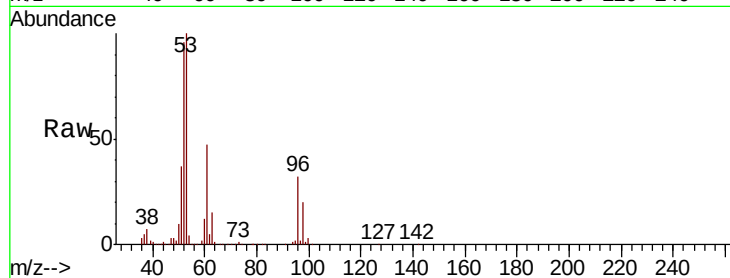
61 148.1 113.8 170.6

98 62.9 51.8 77.8

Manual Integrations  
APPROVED

MMDadoda

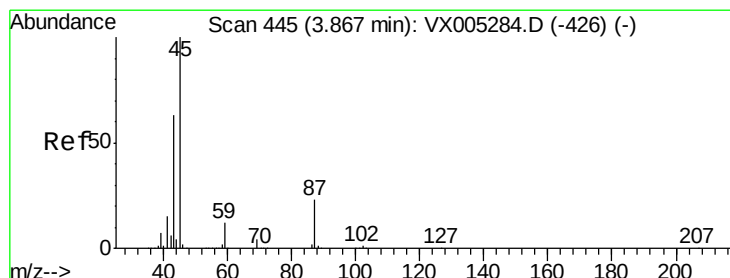
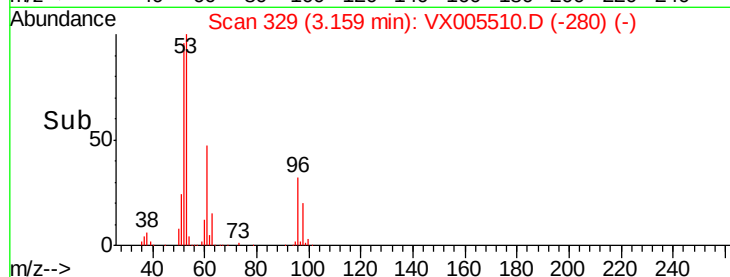
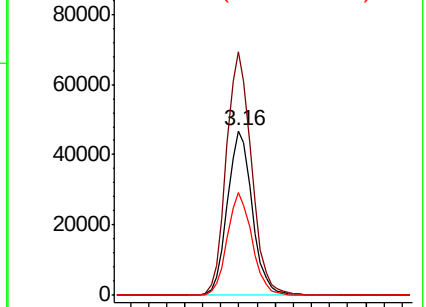
10/23/2018 1:28:18 PM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 61.866 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX005510.D

Acq: 23 Oct 2018 09:53

Tgt Ion: 45 Resp: 357653

Ion Ratio Lower Upper

45 100

43 68.8 42.8 64.2#

87 24.8 22.6 34.0

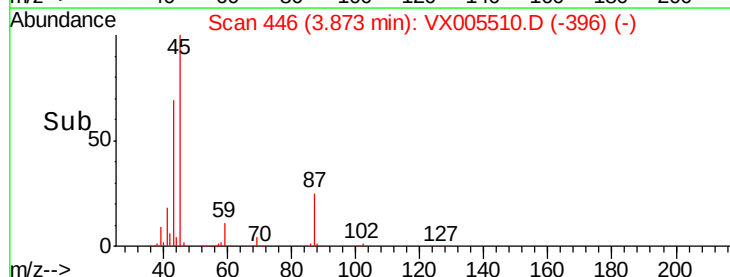
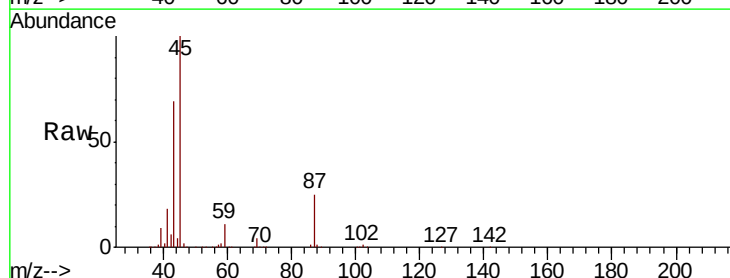
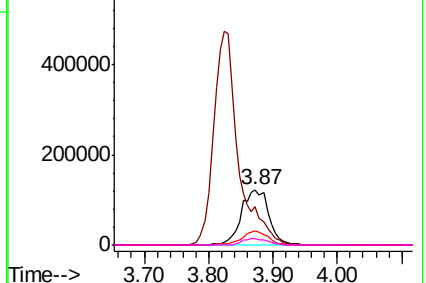
59 10.9 9.6 14.4

Abundance Ion 45.00 (44.70 to 45.70): VX0

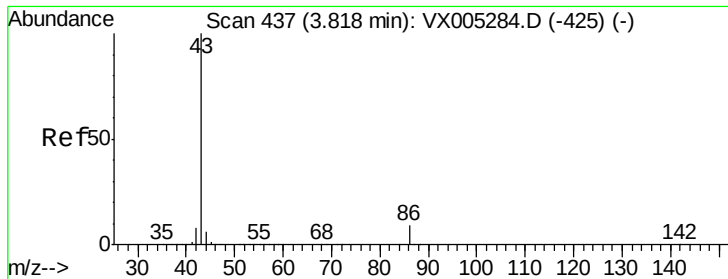
Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0







#23

Vinyl Acetate

Concen: 252.006 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX005510.D

Acq: 23 Oct 2018 09:53

Instrument :

MSVOA\_X

ClientSampleId :

RAV-GT104MSD

Tot Ion: 43 Resp: 1273357

Ion Ratio Lower Upper

43 100

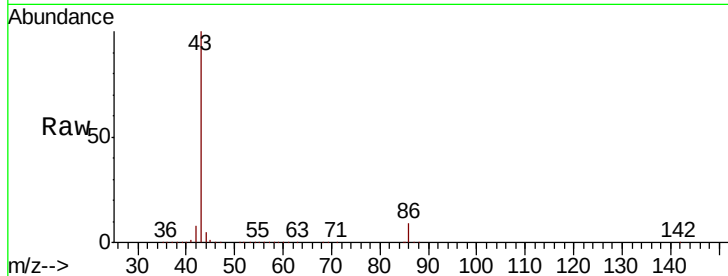
86 9.3 8.9 13.3

Manual Integrations

APPROVED

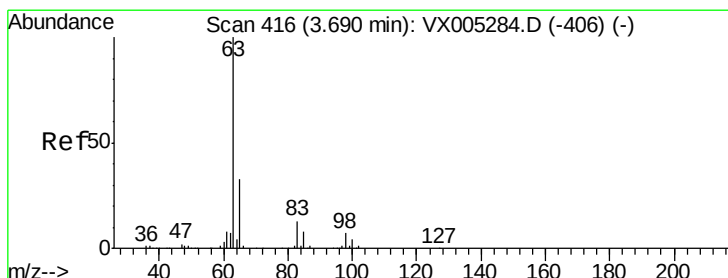
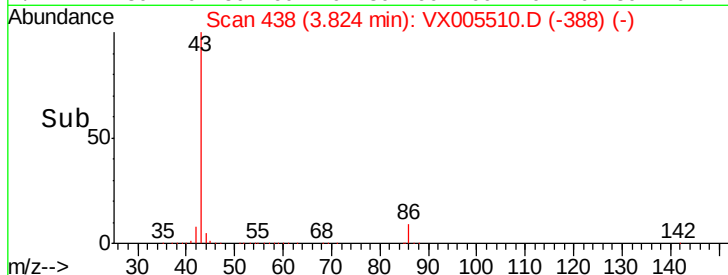
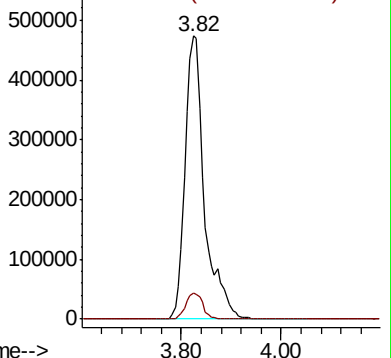
MMDadoda

10/23/2018 1:28:18 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 57.937 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005510.D

Acq: 23 Oct 2018 09:53

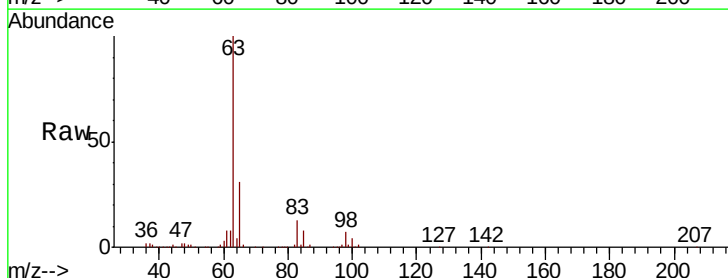
Tgt Ion: 63 Resp: 191960

Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.4

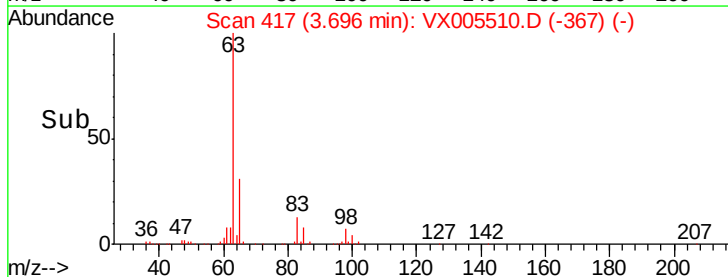
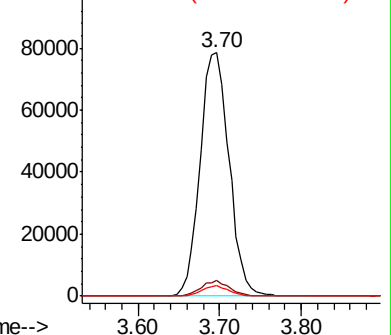
100 4.5 2.4 7.1

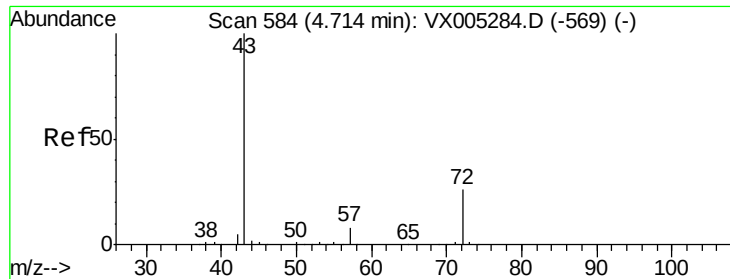


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 291.038 ug/l

RT: 4.71 min Scan# 583

Delta R.T. -0.01 min

Lab File: VX005510.D

Acq: 23 Oct 2018 09:53

Instrument :

MSVOA\_X

ClientSampleId :

RAV-GT104MSD

Tot Ion: 43 Resp: 489102

Ion Ratio Lower Upper

43 100

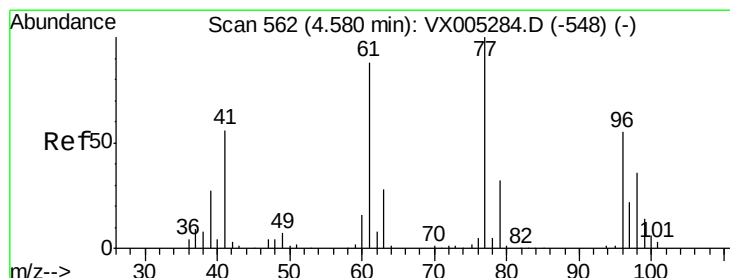
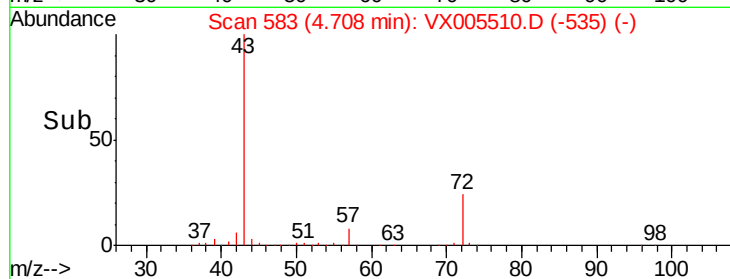
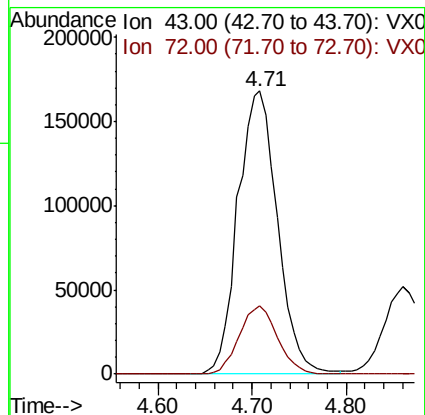
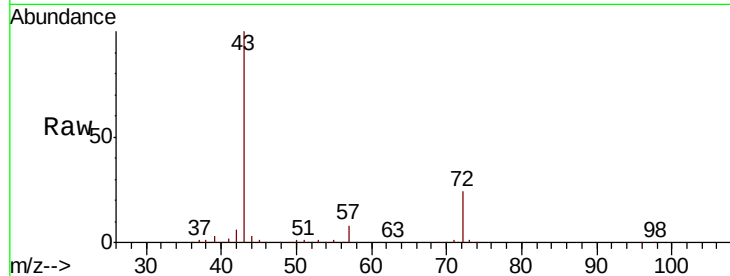
72 24.1 22.0 33.0

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#26

2,2-Dichloropropane

Concen: 34.657 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX005510.D

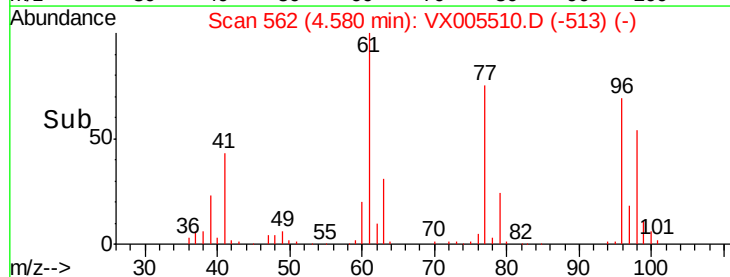
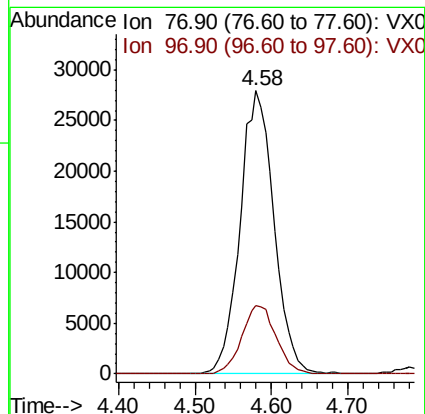
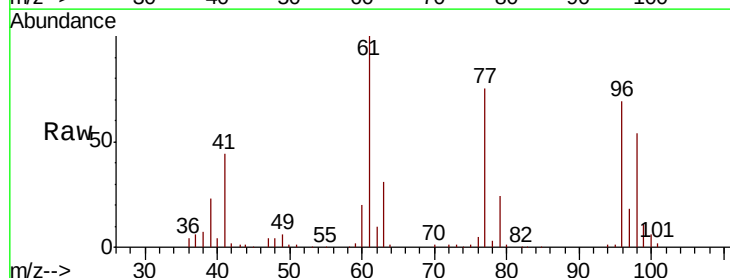
Acq: 23 Oct 2018 09:53

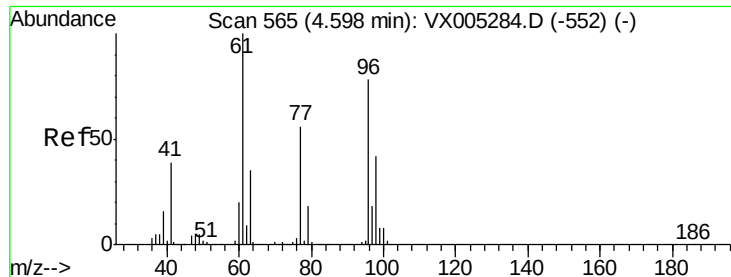
Tgt Ion: 77 Resp: 85876

Ion Ratio Lower Upper

77 100

97 24.5 11.7 35.0





#27

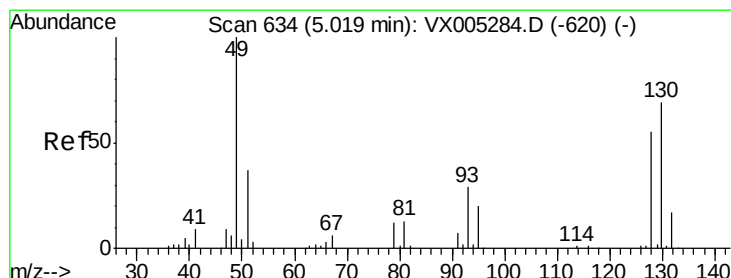
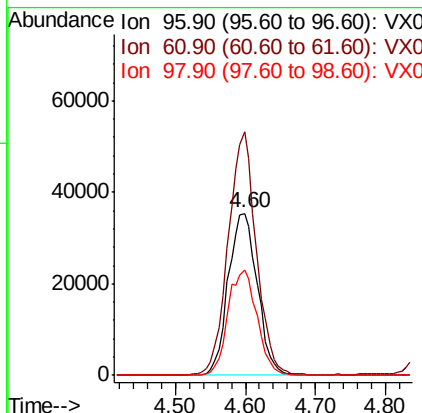
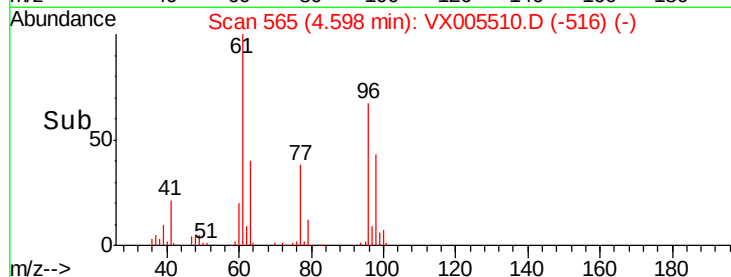
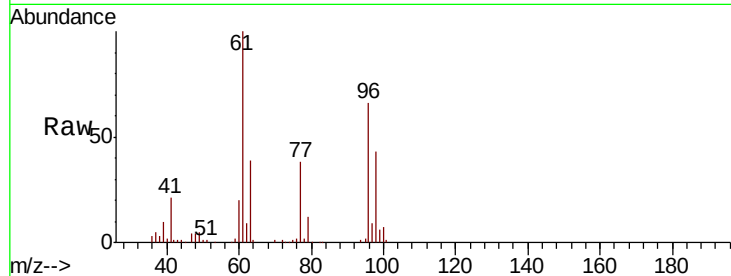
cis-1,2-Dichloroethene  
Concen: 54.189 ug/l  
RT: 4.60 min Scan# 565  
Delta R.T. -0.00 min  
Lab File: VX005510.D  
Acq: 23 Oct 2018 09:53

Instrument :  
MSVOA\_X  
ClientSampleId :  
RAV-GT104MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 96      | 100   |      |       |       |
| 61      | 145.3 | 0.0  | 282.6 |       |
| 98      | 64.8  | 0.0  | 130.2 |       |

Manual Integrations  
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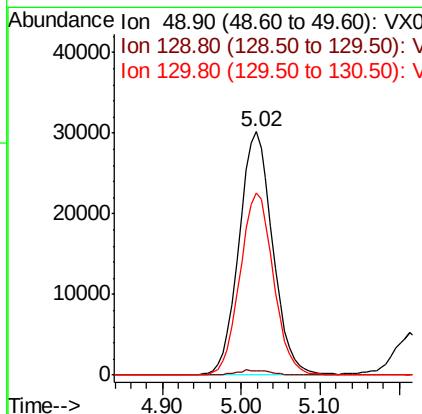
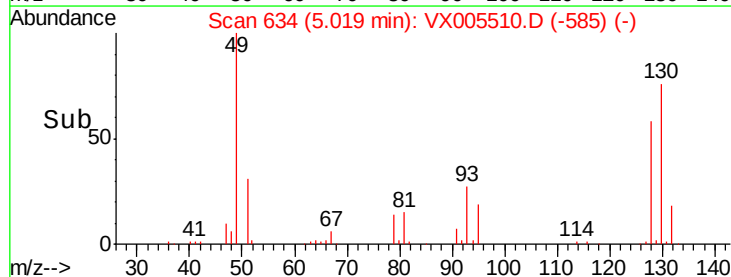
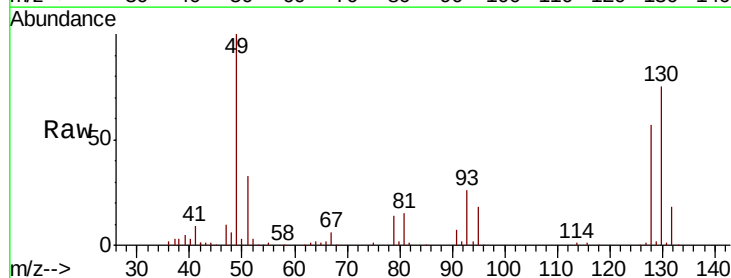
MMDadoda  
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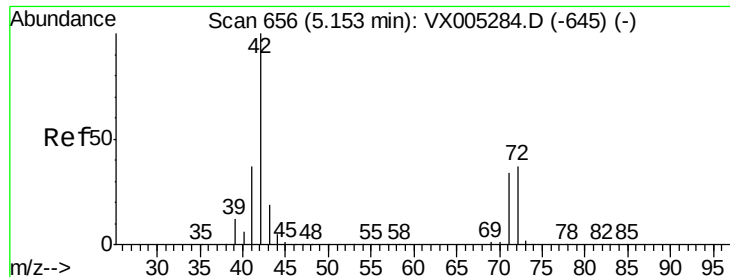


#28

Bromochloromethane  
Concen: 59.536 ug/l  
RT: 5.02 min Scan# 634  
Delta R.T. -0.00 min  
Lab File: VX005510.D  
Acq: 23 Oct 2018 09:53

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 49      | 100   |      |       |       |
| 129     | 2.1   | 0.0  | 4.2   |       |
| 130     | 74.1  | 67.5 | 101.3 |       |





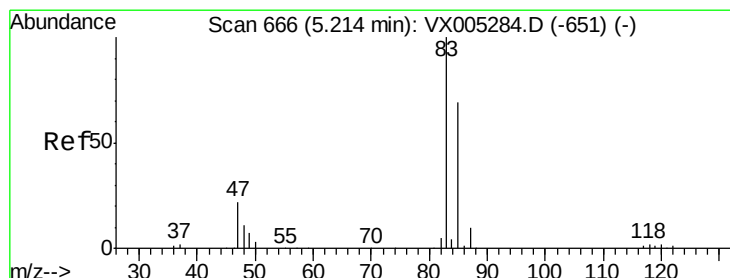
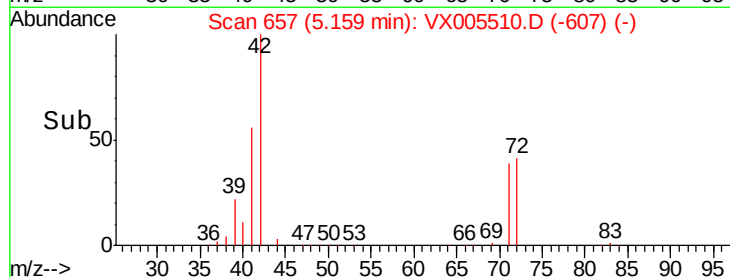
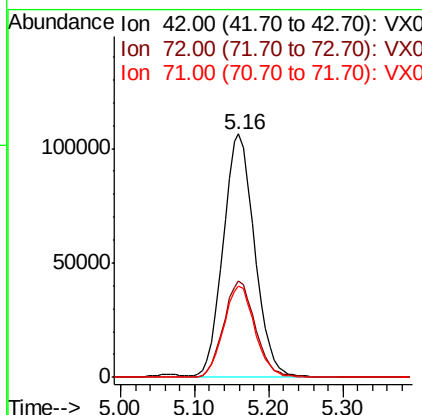
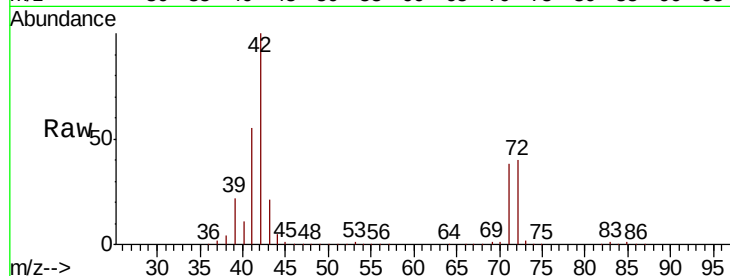
#29  
Tetrahydrofuran  
Concen: 290.432 ug/l  
RT: 5.16 min Scan# 657  
Delta R.T. 0.01 min  
Lab File: VX005510.D  
Acq: 23 Oct 2018 09:53

Instrument :  
MSVOA\_X  
ClientSampleId :  
RAV-GT104MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 40.2  | 37.4  | 56.0  |
| 71      | 37.7  | 34.5  | 51.7  |

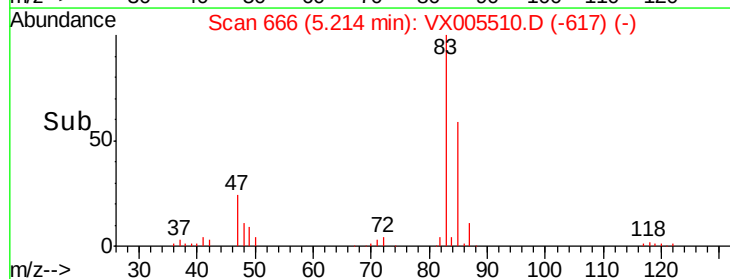
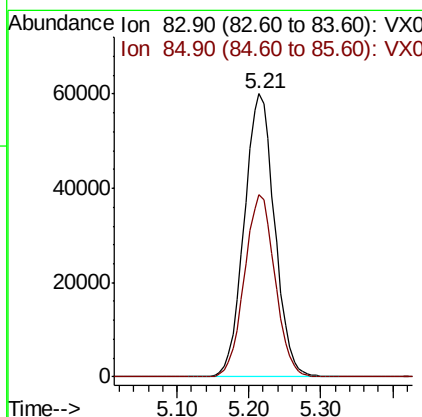
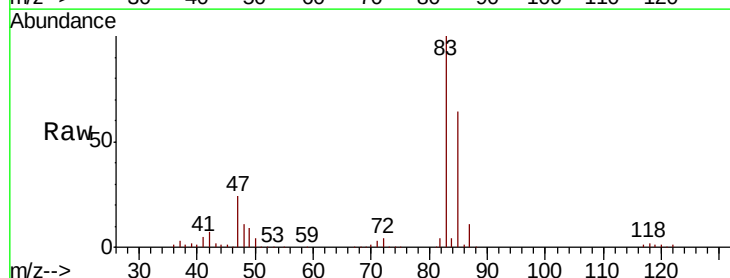
Manual Integrations  
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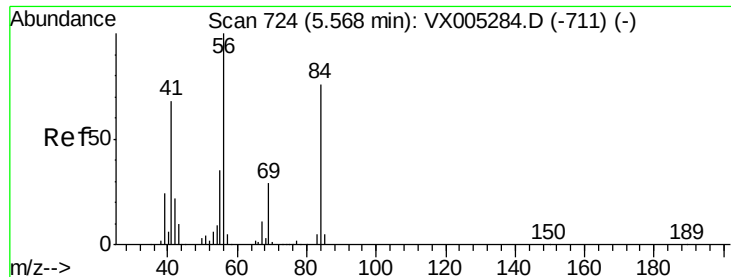
MMDadoda  
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#30  
Chloroform  
Concen: 57.170 ug/l  
RT: 5.21 min Scan# 666  
Delta R.T. -0.00 min  
Lab File: VX005510.D  
Acq: 23 Oct 2018 09:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.4  | 52.6  | 79.0  |





#31

Cyclohexane

Concen: 45.950 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.01 min

Lab File: VX005510.D

Acq: 23 Oct 2018 09:53

Instrument :

MSVOA\_X

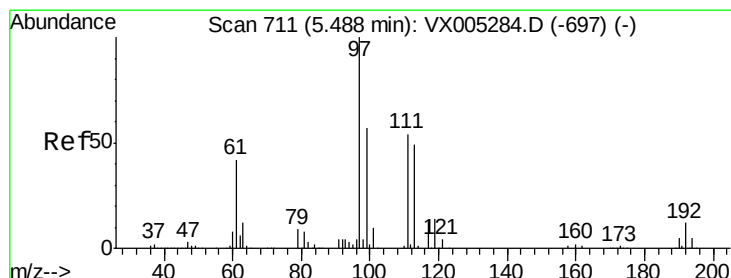
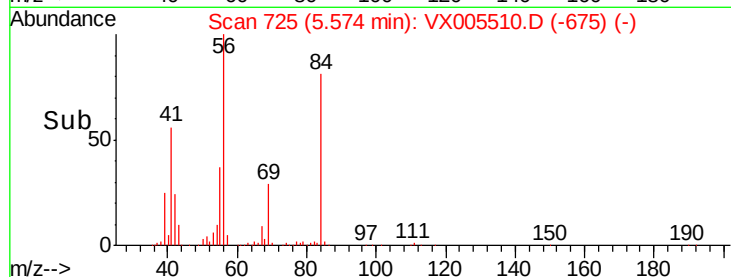
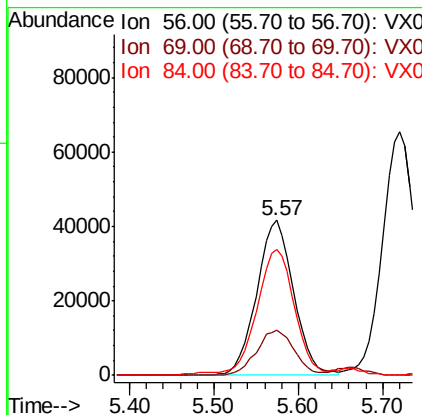
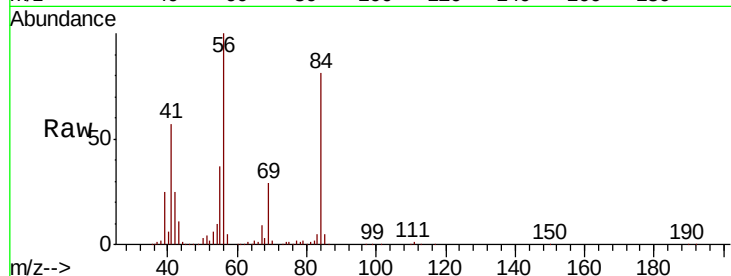
ClientSampleId :

RAV-GT104MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 56    | Resp: | 125479 |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 29.0  | 25.4  | 38.2   |
| 84       | 80.3  | 71.4  | 107.2  |

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#32

1,1,1-Trichloroethane

Concen: 56.373 ug/l

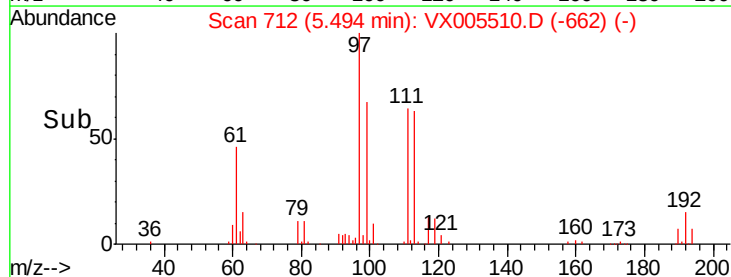
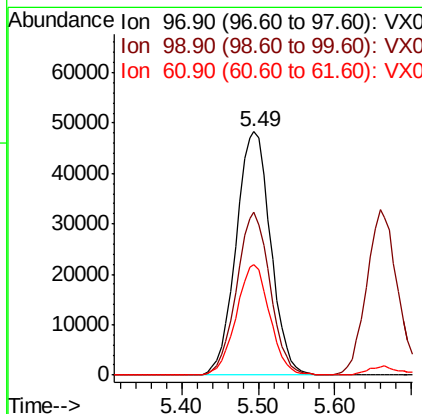
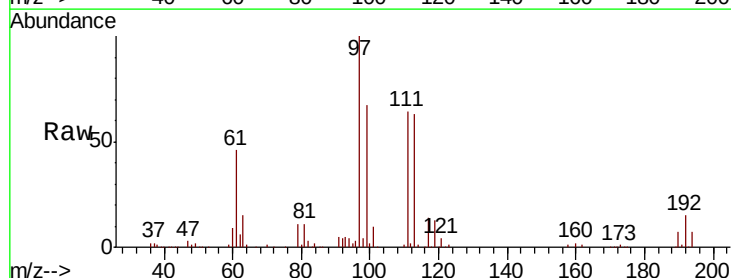
RT: 5.49 min Scan# 712

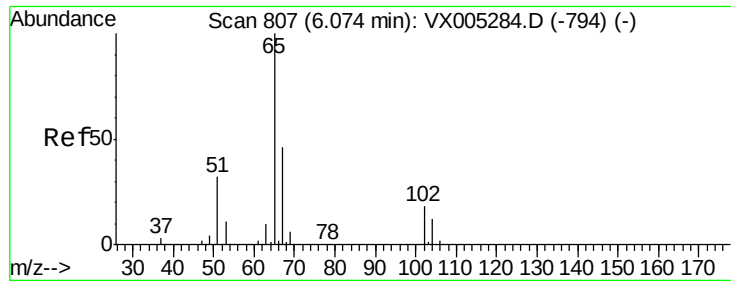
Delta R.T. 0.01 min

Lab File: VX005510.D

Acq: 23 Oct 2018 09:53

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 150848 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 65.1  | 52.0  | 78.0   |
| 61       | 44.3  | 34.9  | 52.3   |





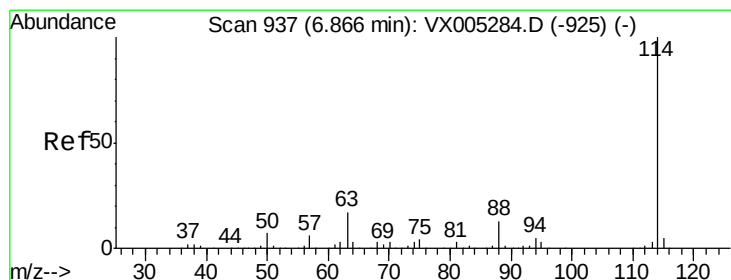
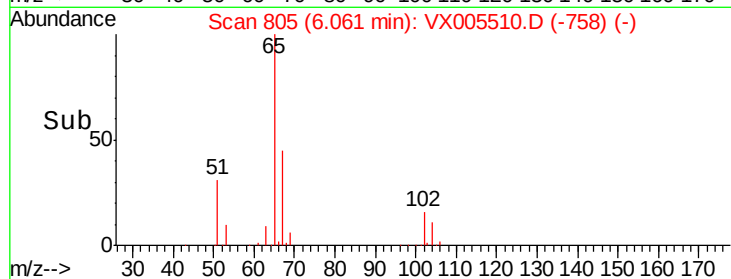
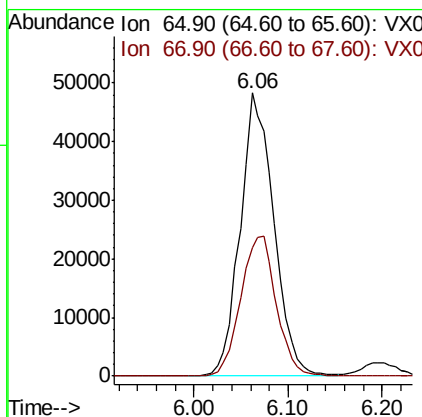
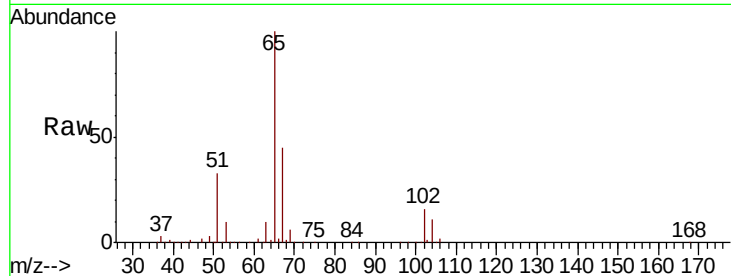
#33  
 1,2-Dichloroethane-d4  
 Concen: 60.744 ug/l  
 RT: 6.06 min Scan# 805  
 Delta R.T. -0.01 min  
 Lab File: VX005510.D  
 Acq: 23 Oct 2018 09:53

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RAV-GT104MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 52.4  | 0.0   | 106.8 |

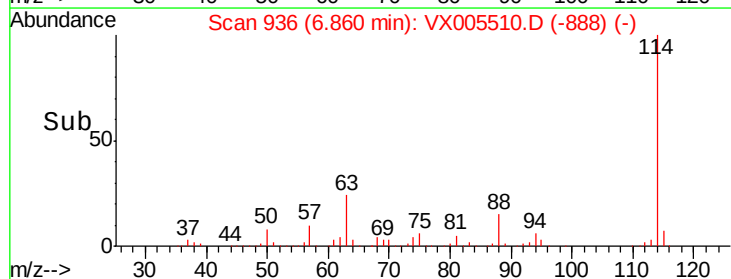
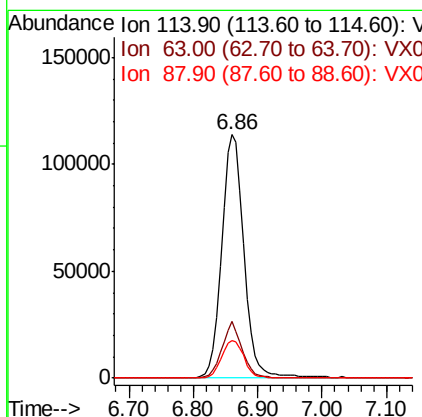
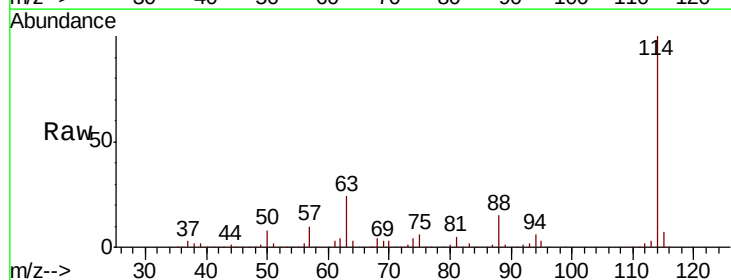
Manual Integrations  
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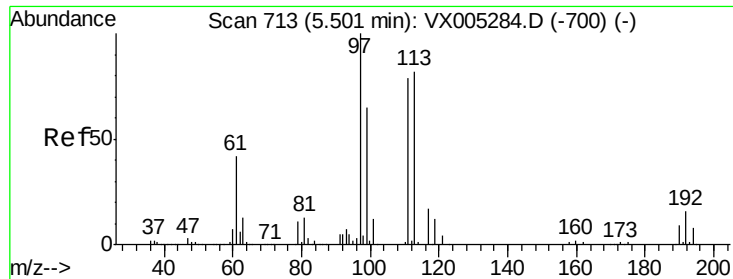
MMDadoda  
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. -0.01 min  
 Lab File: VX005510.D  
 Acq: 23 Oct 2018 09:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 23.6  | 0.0   | 39.0  |
| 88      | 15.5  | 0.0   | 30.4  |





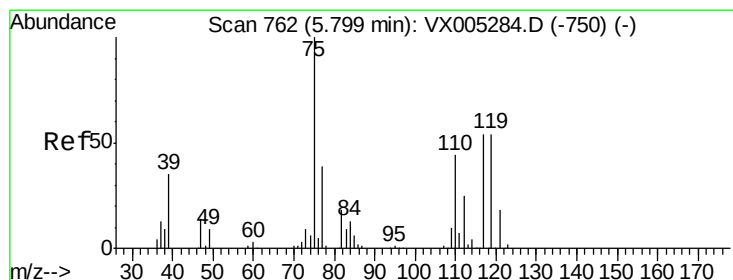
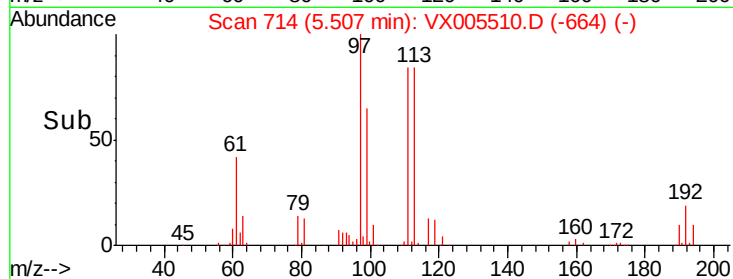
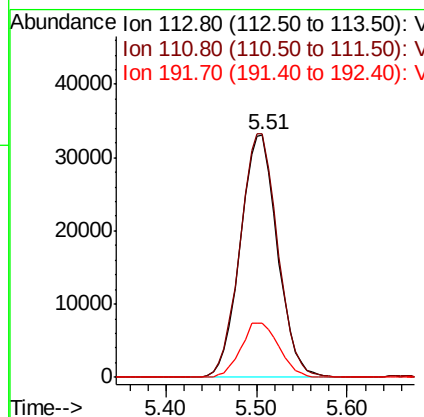
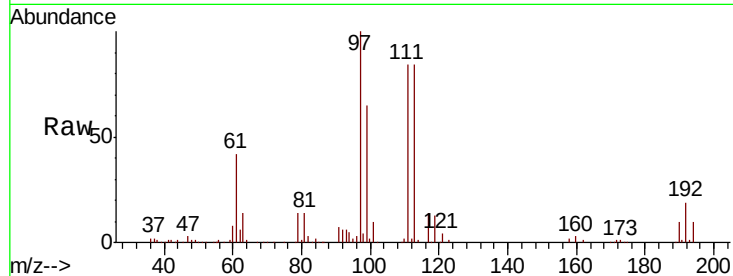
#35  
Dibromofluoromethane  
Concen: 50.841 ug/l  
RT: 5.51 min Scan# 714  
Delta R.T. 0.01 min  
Lab File: VX005510.D  
Acq: 23 Oct 2018 09:53

Instrument :  
MSVOA\_X  
ClientSampleId :  
RAV-GT104MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.0 | 82.4  | 123.6 |
| 192     | 23.1  | 19.4  | 29.2  |

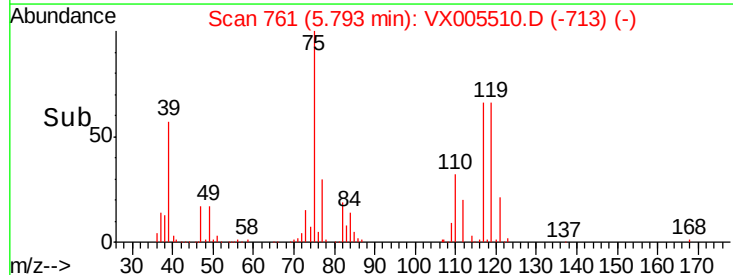
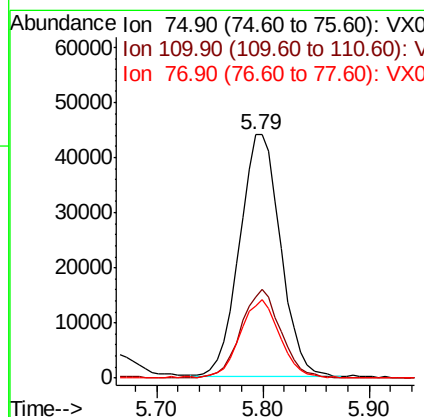
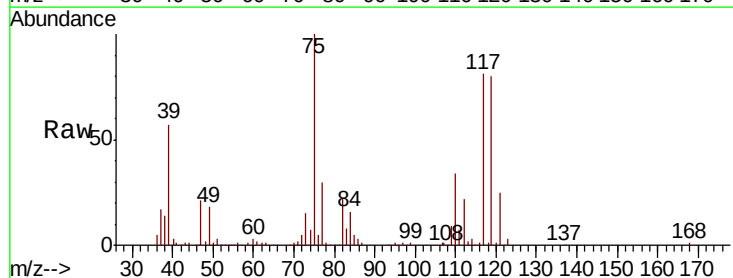
Manual Integrations  
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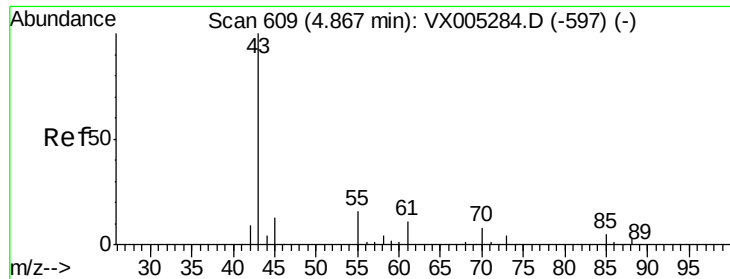
MMDadoda  
10/23/2018 1:28:18 PM



#36  
1,1-Dichloropropene  
Concen: 43.997 ug/l  
RT: 5.79 min Scan# 761  
Delta R.T. -0.01 min  
Lab File: VX005510.D  
Acq: 23 Oct 2018 09:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 35.9  | 18.0  | 54.0  |
| 77      | 31.9  | 24.6  | 36.8  |





#37

Ethyl Acetate

Concen: 43.578 ug/l

RT: 4.86 min Scan# 608

Delta R.T. -0.01 min

Lab File: VX005510.D

Acq: 23 Oct 2018 09:53

Instrument :

MSVOA\_X

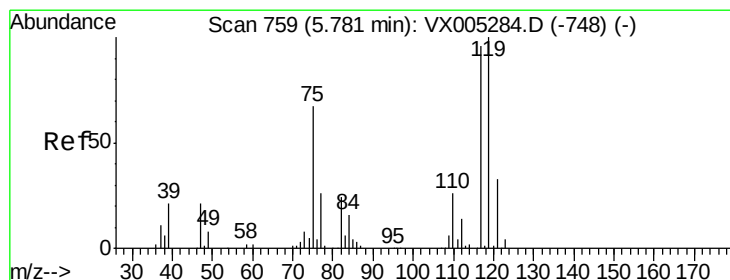
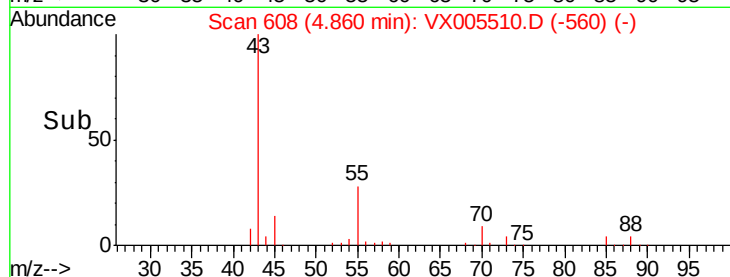
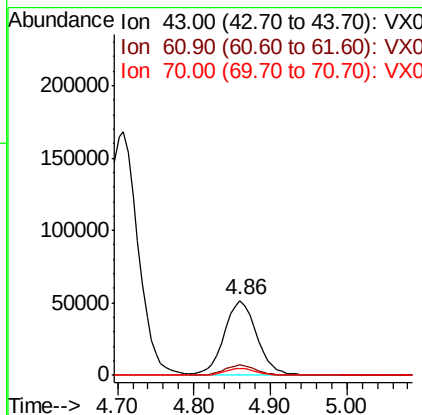
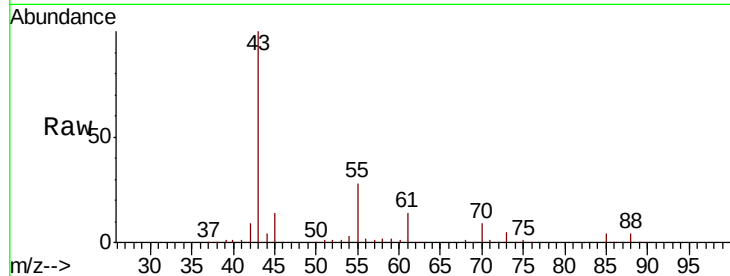
ClientSampleId :

RAV-GT104MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 151122 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 13.1  | 11.5  | 17.3   |
| 70       | 9.6   | 9.0   | 13.6   |

Manual Integrations  
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#38

Carbon Tetrachloride

Concen: 48.047 ug/l

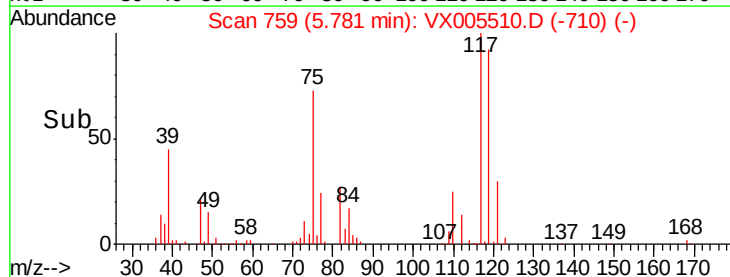
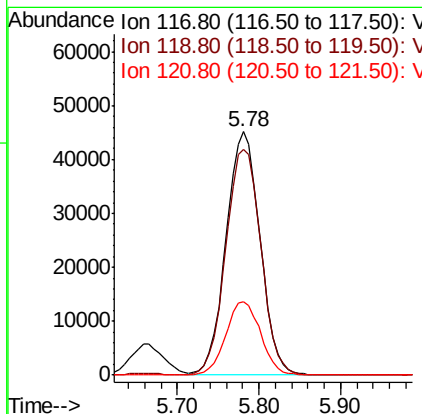
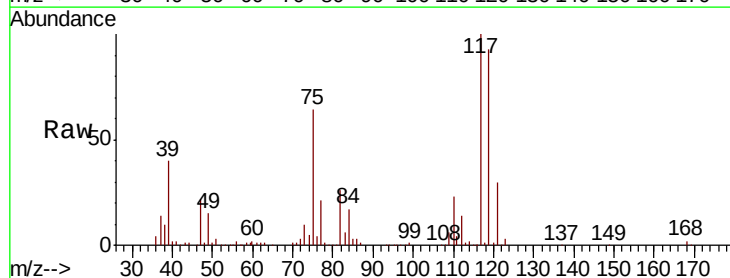
RT: 5.78 min Scan# 759

Delta R.T. -0.00 min

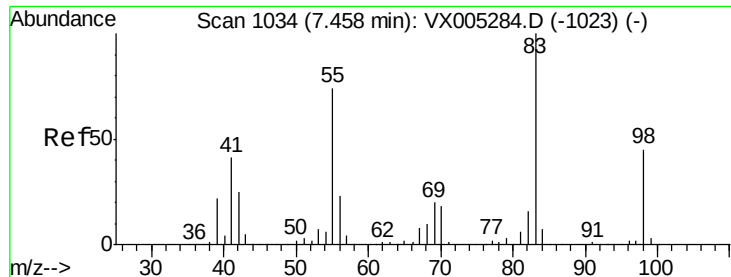
Lab File: VX005510.D

Acq: 23 Oct 2018 09:53

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 130183 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 92.9  | 78.8  | 118.2  |
| 121      | 30.4  | 24.9  | 37.3   |







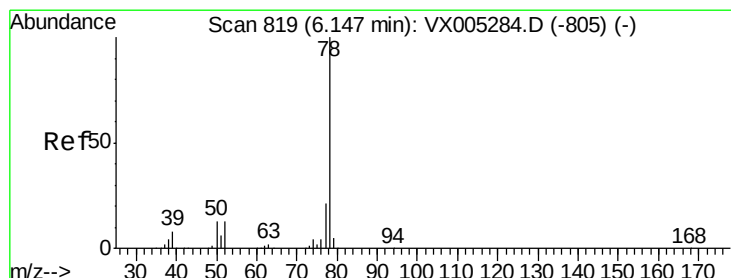
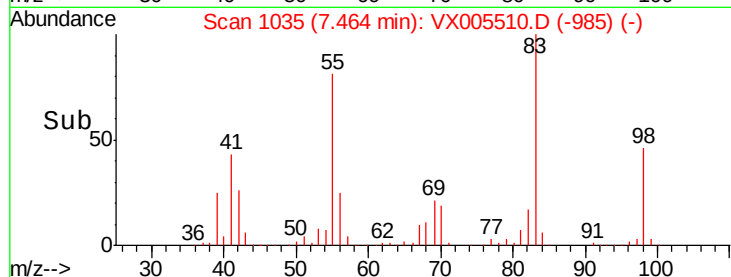
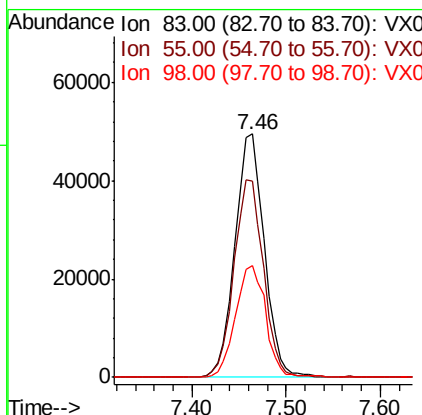
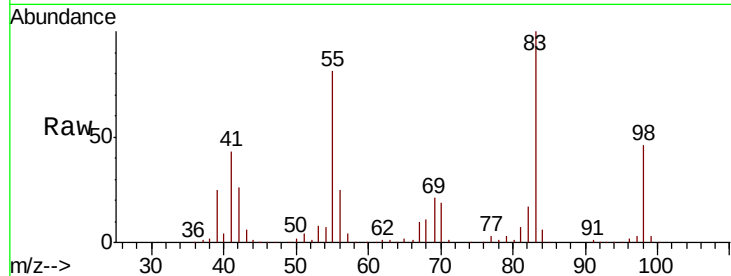
#39  
Methylvlcyclohexane  
Concen: 36.771 ug/l  
RT: 7.46 min Scan# 1035  
Delta R.T. 0.01 min  
Lab File: VX005510.D  
Acq: 23 Oct 2018 09:53

Instrument :  
MSVOA\_X  
ClientSampleId :  
RAV-GT104MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 80.3  | 61.0  | 91.4  |
| 98      | 45.8  | 39.6  | 59.4  |

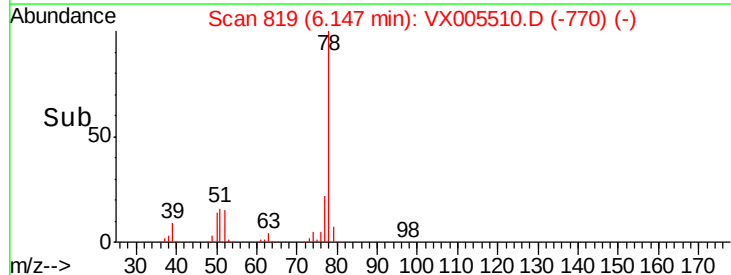
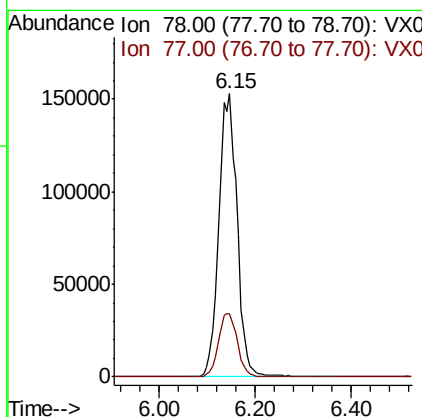
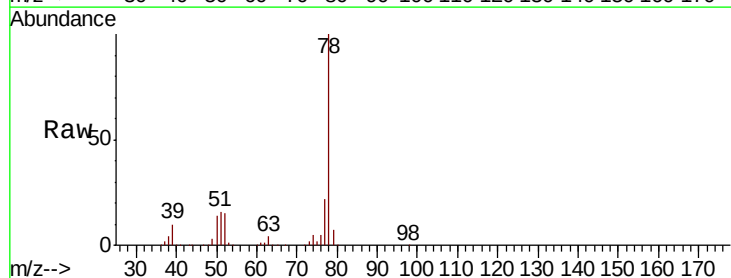
Manual Integrations  
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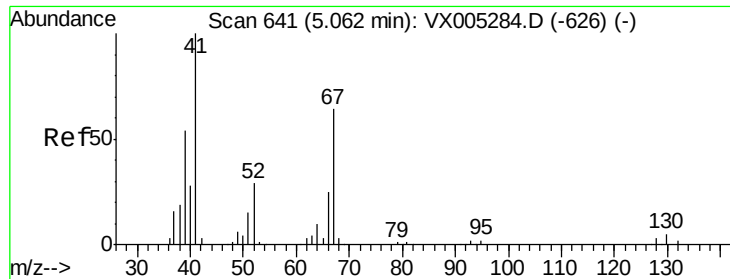
MMDadoda  
10/23/2018 1:28:18 PM



#40  
Benzene  
Concen: 50.055 ug/l  
RT: 6.15 min Scan# 819  
Delta R.T. -0.00 min  
Lab File: VX005510.D  
Acq: 23 Oct 2018 09:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 22.2  | 19.0  | 28.4  |





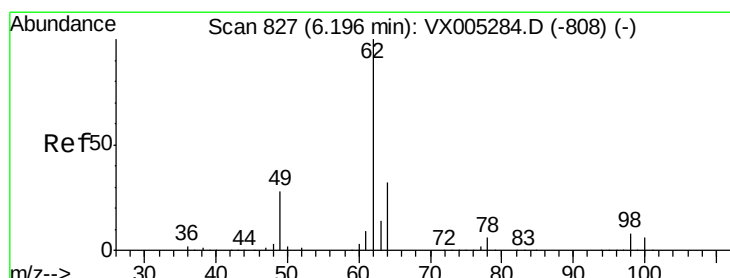
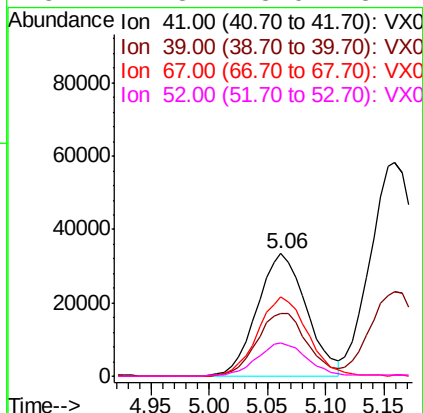
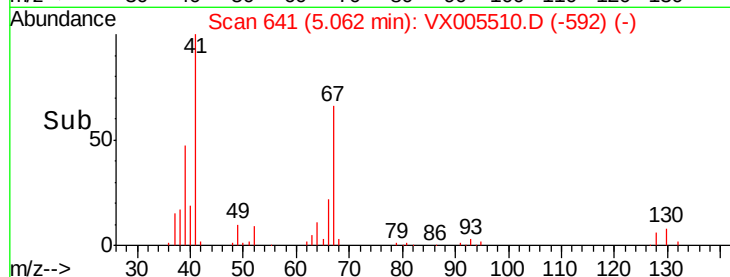
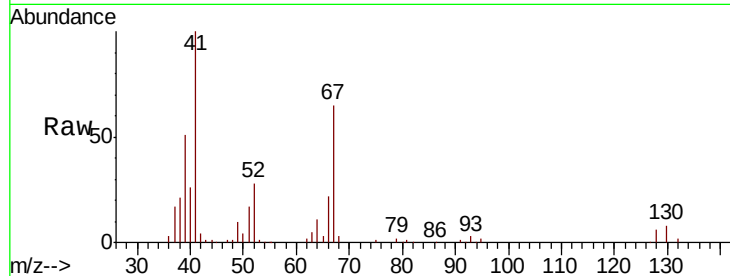
#41  
Methacrylonitrile  
Concen: 52.495 ug/l  
RT: 5.06 min Scan# 641  
Delta R.T. -0.00 min  
Lab File: VX005510.D  
Acq: 23 Oct 2018 09:53

Instrument :  
MSVOA\_X  
ClientSampleId :  
RAV-GT104MSD

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 52.7 | 42.4  | 63.6  |       |
| 67      | 66.1 | 59.2  | 88.8  |       |
| 52      | 27.8 | 23.0  | 34.4  |       |

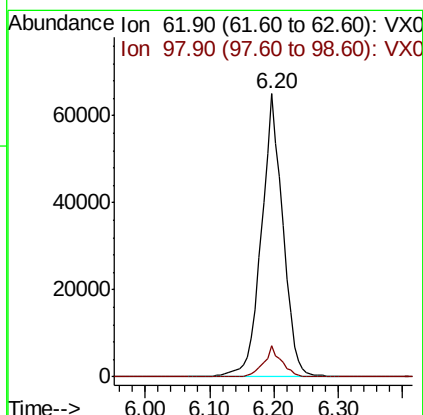
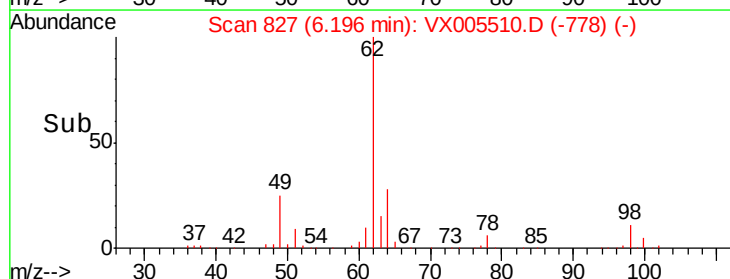
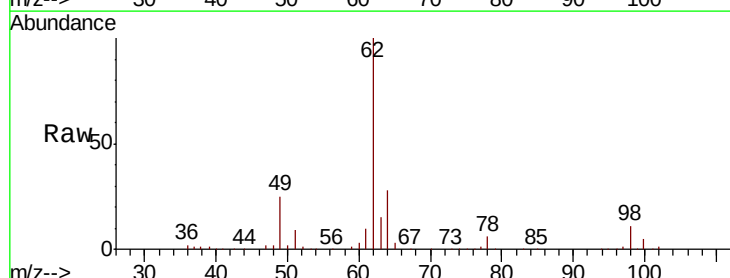
Manual Integrations  
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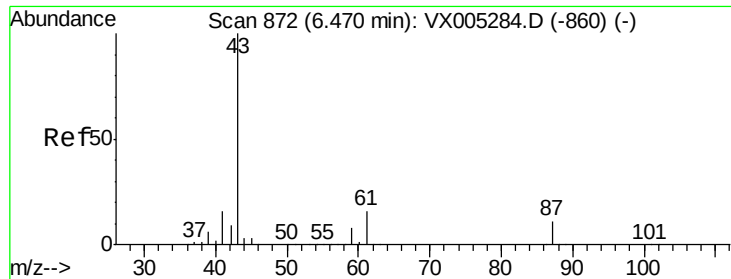
MMDadoda  
10/23/2018 1:28:18 PM



#42  
1,2-Dichloroethane  
Concen: 52.569 ug/l  
RT: 6.20 min Scan# 827  
Delta R.T. -0.00 min  
Lab File: VX005510.D  
Acq: 23 Oct 2018 09:53

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 62      | 100 |       |       |       |
| 98      | 9.0 | 0.0   | 20.6  |       |





#43

Isopropyl Acetate

Concen: 52.512 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.01 min

Lab File: VX005510.D

Acq: 23 Oct 2018 09:53

Instrument :

MSVOA\_X

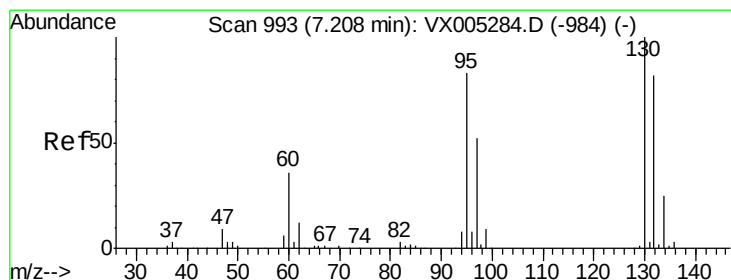
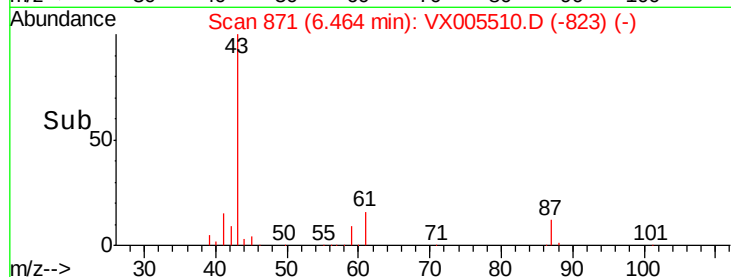
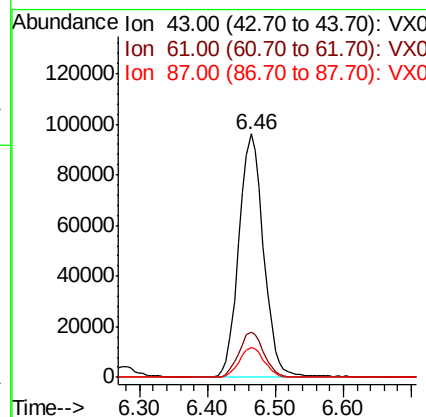
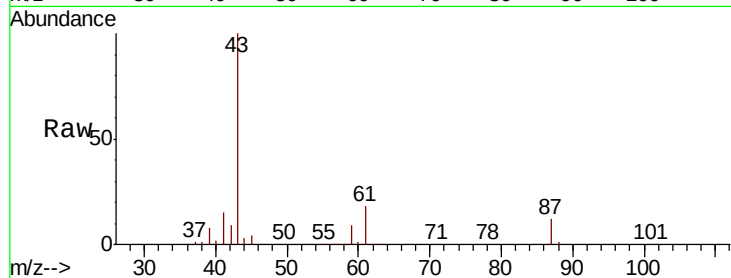
ClientSampleId :

RAV-GT104MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 242582 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 18.9  | 17.0  | 25.4   |
| 87       | 12.3  | 11.4  | 17.2   |

Manual Integrations  
APPROVED

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10/23/2018 1:28:18 PM



#44

Trichloroethene

Concen: 47.515 ug/l

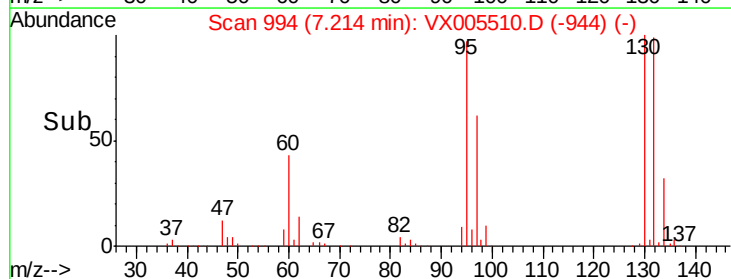
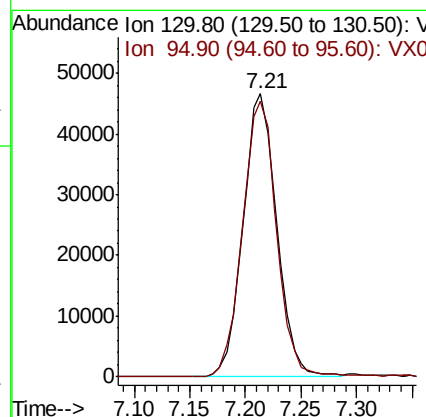
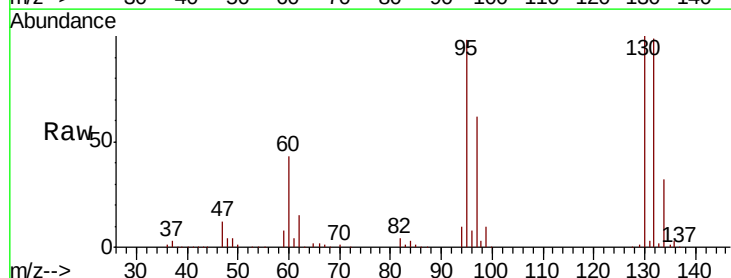
RT: 7.21 min Scan# 994

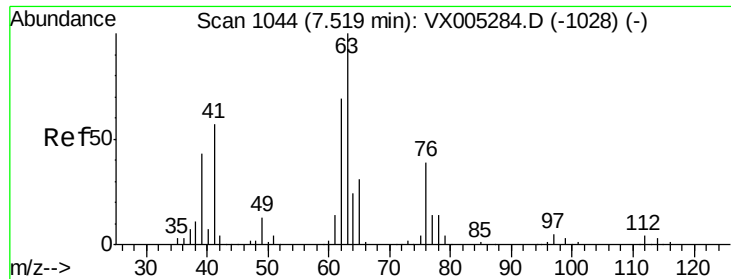
Delta R.T. 0.01 min

Lab File: VX005510.D

Acq: 23 Oct 2018 09:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 98204 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 97.5  | 0.0   | 181.6 |





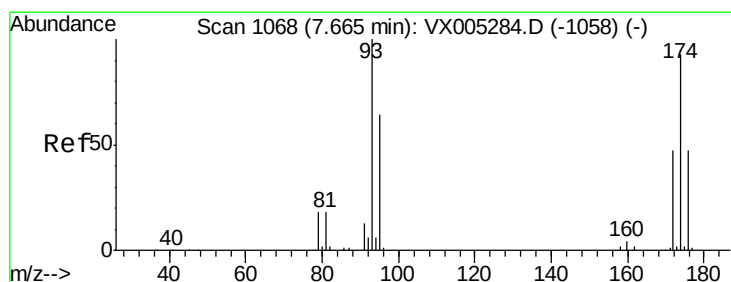
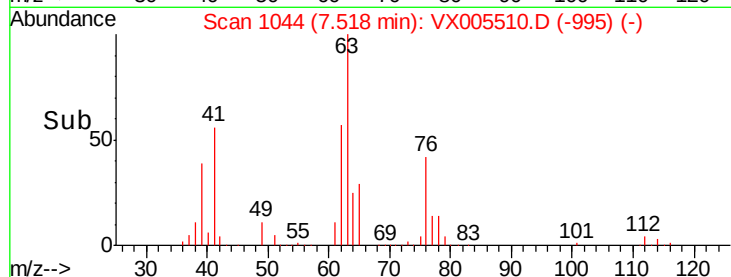
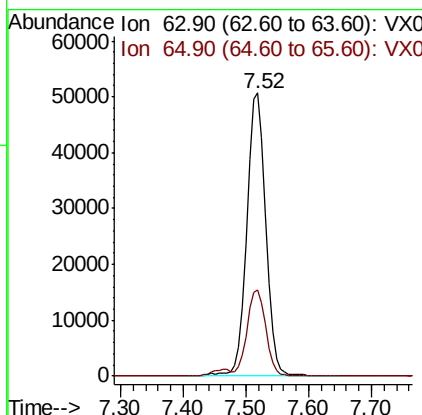
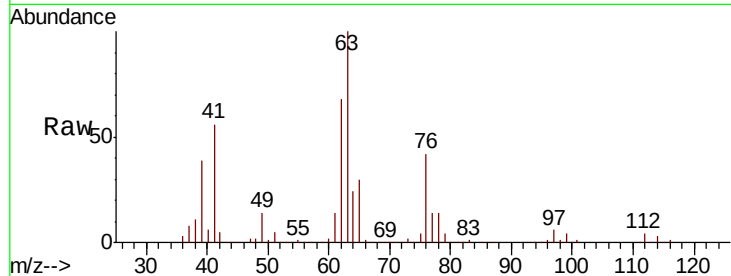
#45  
 1,2-Dichloropropane  
 Concen: 53.379 ug/l  
 RT: 7.52 min Scan# 1044  
 Delta R.T. -0.00 min  
 Lab File: VX005510.D  
 Acq: 23 Oct 2018 09:53

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RAV-GT104MSD

Tot Ion: 63 Resp: 105919  
 Ion Ratio Lower Upper  
 63 100  
 65 30.4 24.3 36.5

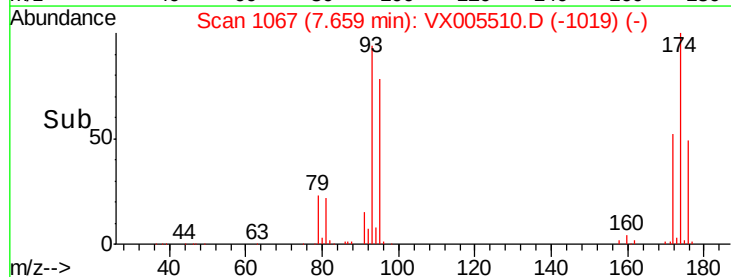
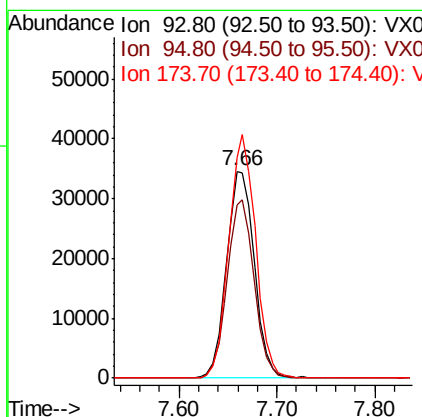
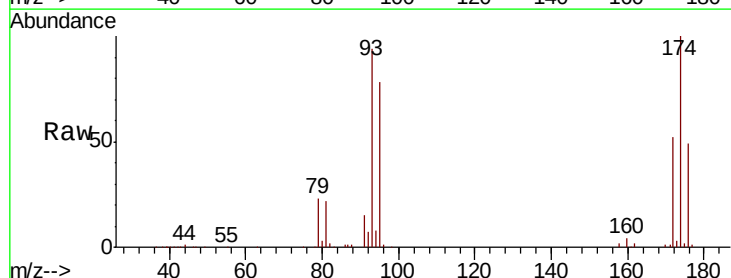
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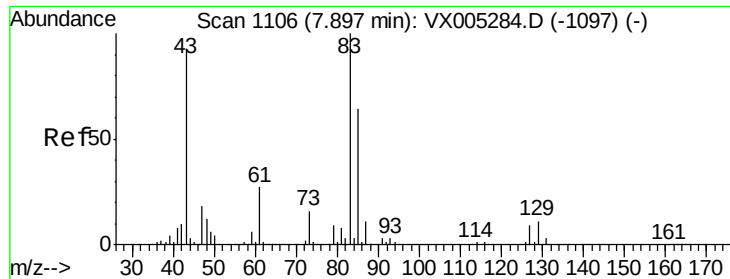
MMDadoda  
 10/23/2018 1:28:18 PM



#46  
 Dibromomethane  
 Concen: 52.014 ug/l  
 RT: 7.66 min Scan# 1067  
 Delta R.T. -0.01 min  
 Lab File: VX005510.D  
 Acq: 23 Oct 2018 09:53

Tgt Ion: 93 Resp: 68119  
 Ion Ratio Lower Upper  
 93 100  
 95 84.0 65.5 98.3  
 174 113.7 94.2 141.4





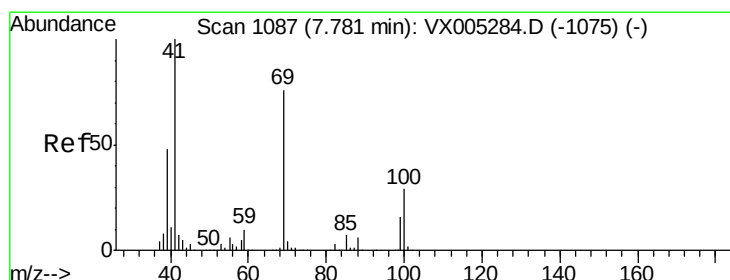
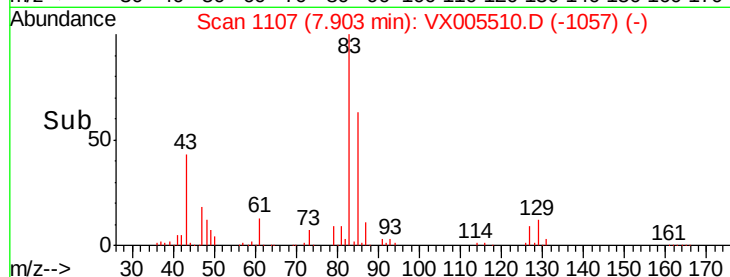
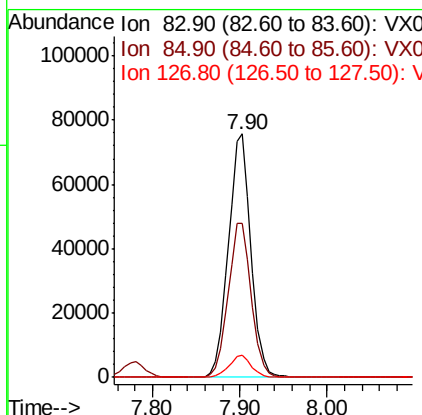
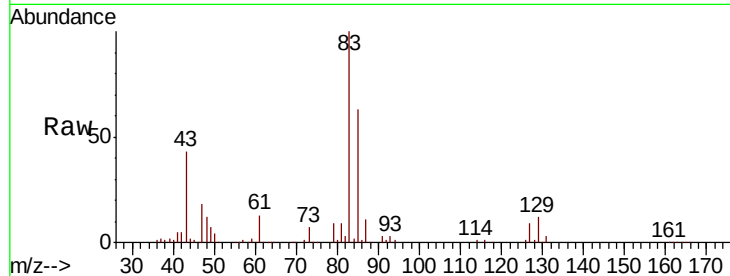
#47  
Bromodichloromethane  
Concen: 55.750 ug/l  
RT: 7.90 min Scan# 1107  
Delta R.T. 0.01 min  
Lab File: VX005510.D  
Acq: 23 Oct 2018 09:53

Instrument :  
MSVOA\_X  
ClientSampleId :  
RAV-GT104MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 63.3  | 50.9  | 76.3  |
| 127     | 9.0   | 7.3   | 10.9  |

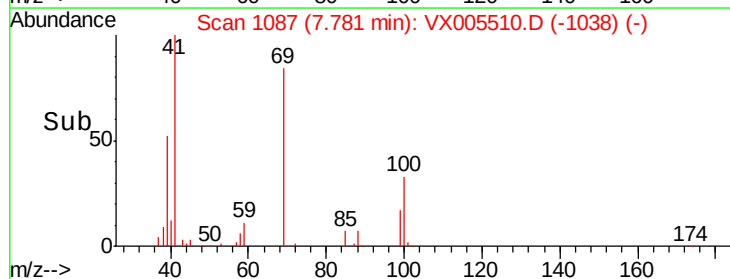
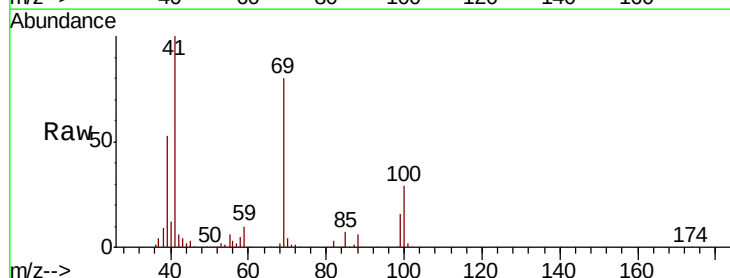
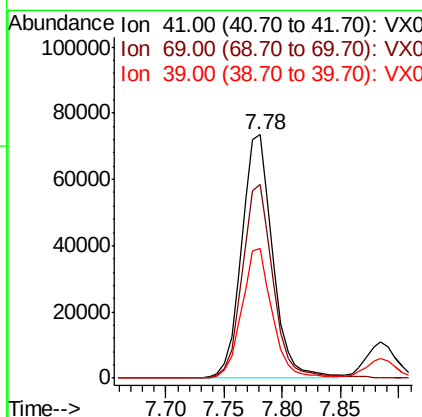
Manual Integrations  
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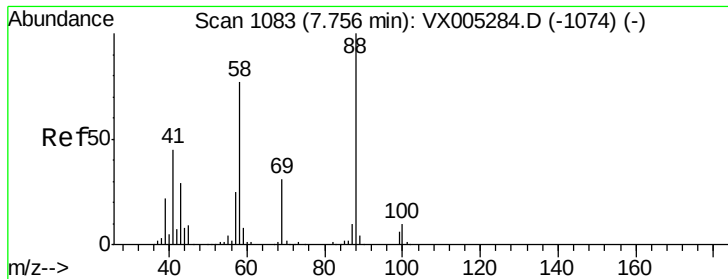
MMDadoda  
10/23/2018 1:28:18 PM



#48  
Methyl methacrylate  
Concen: 57.302 ug/l  
RT: 7.78 min Scan# 1087  
Delta R.T. -0.00 min  
Lab File: VX005510.D  
Acq: 23 Oct 2018 09:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 69      | 79.4  | 70.2  | 105.4 |
| 39      | 51.9  | 42.7  | 64.1  |





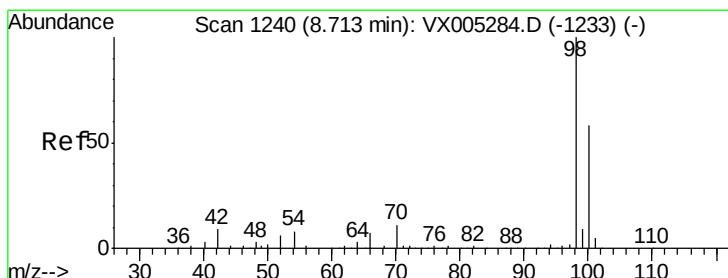
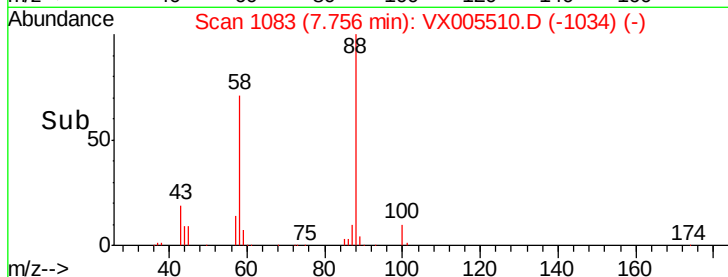
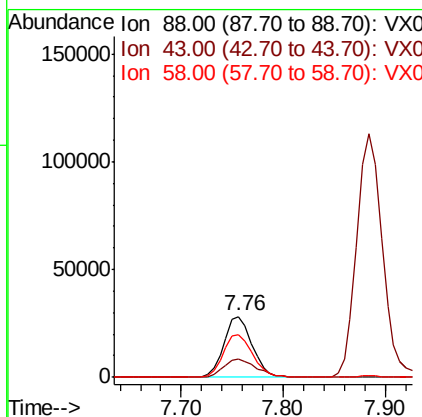
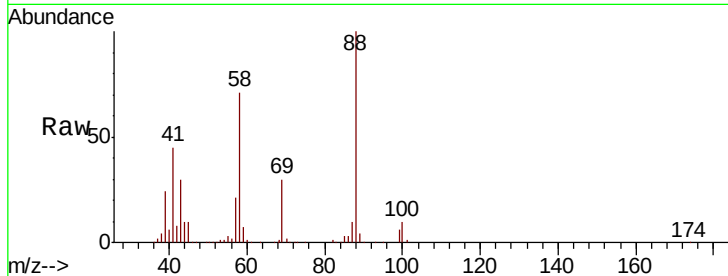
#49  
1,4-Dioxane  
Concen: 975.907 ug/l  
RT: 7.76 min Scan# 1083  
Delta R.T. -0.00 min  
Lab File: VX005510.D  
Acq: 23 Oct 2018 09:53

Instrument :  
MSVOA\_X  
ClientSampleId :  
RAV-GT104MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 36.0  | 24.7  | 37.1  |
| 58      | 74.3  | 55.3  | 82.9  |

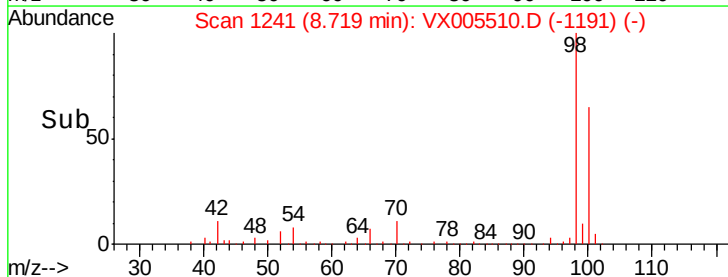
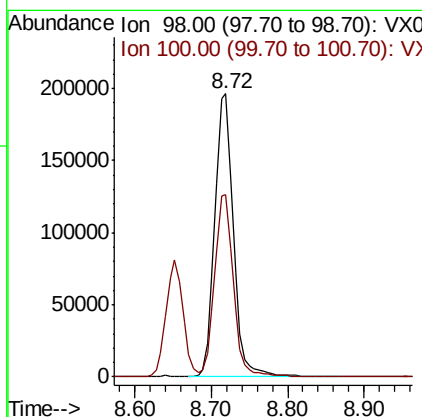
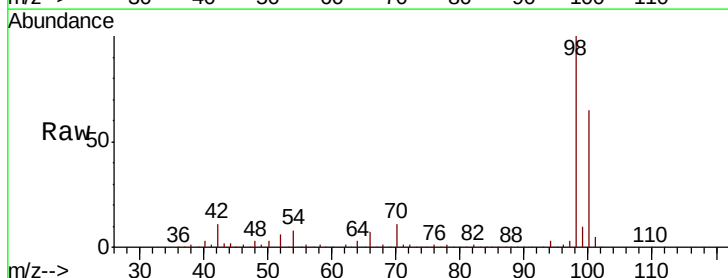
Manual Integrations  
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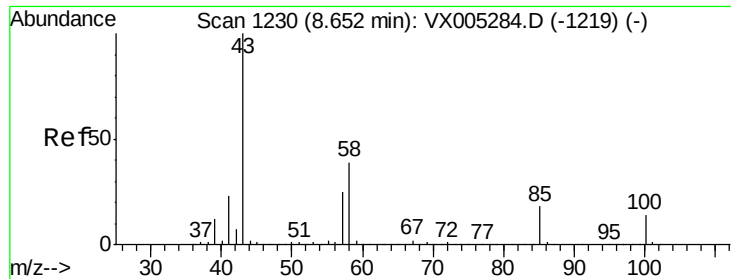
MMDadoda  
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#50  
Toluene-d8  
Concen: 52.269 ug/l  
RT: 8.72 min Scan# 1241  
Delta R.T. 0.01 min  
Lab File: VX005510.D  
Acq: 23 Oct 2018 09:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 65.6  | 52.9  | 79.3  |





#51

4-Methyl-2-Pentanone

Concen: 294.655 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VX005510.D

Acq: 23 Oct 2018 09:53

Instrument :

MSVOA\_X

ClientSampleId :

RAV-GT104MSD

Tot Ion: 43 Resp: 942490

Ion Ratio Lower Upper

43 100

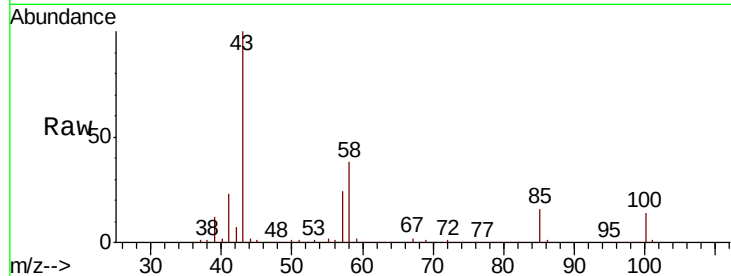
58 37.7 33.1 49.7

Manual Integrations

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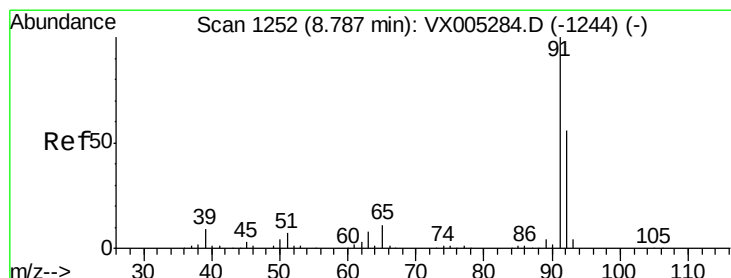
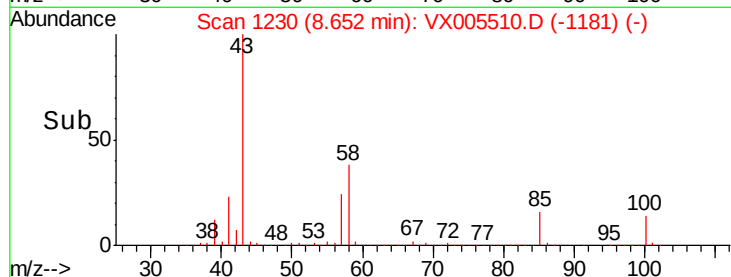
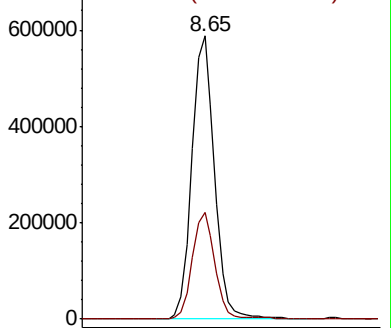
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 53.298 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005510.D

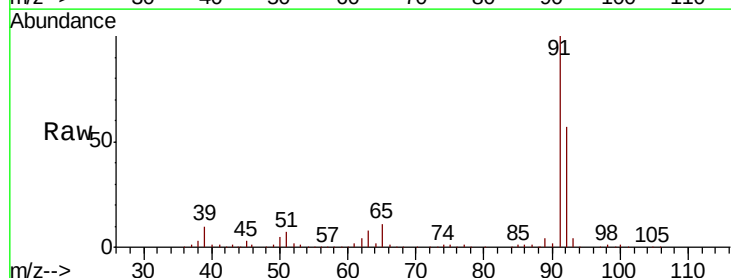
Acq: 23 Oct 2018 09:53

Tgt Ion: 92 Resp: 235869

Ion Ratio Lower Upper

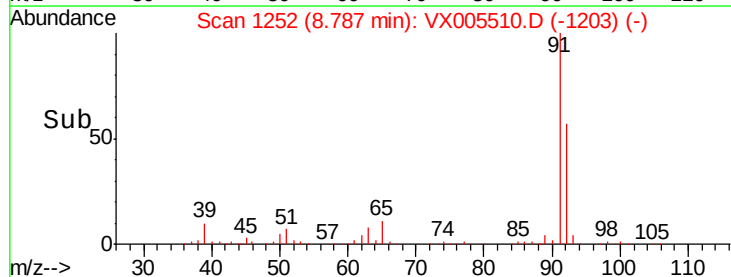
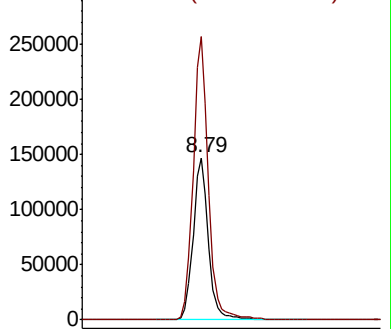
92 100

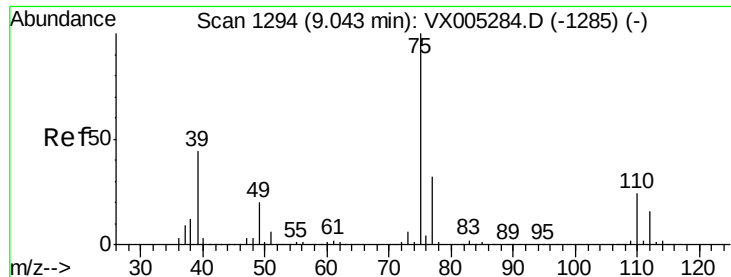
91 174.3 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 52.575 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX005510.D

Acq: 23 Oct 2018 09:53

Instrument :

MSVOA\_X

ClientSampleId :

RAV-GT104MSD

Tot Ion: 75 Resp: 137829

Ion Ratio Lower Upper

75 100

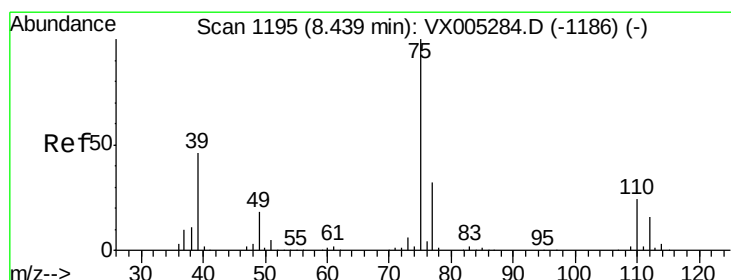
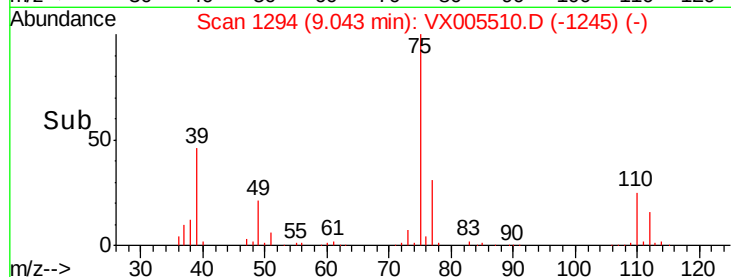
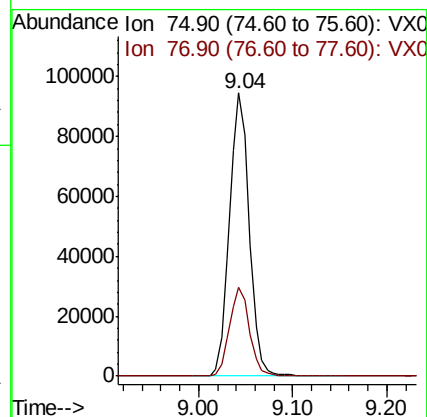
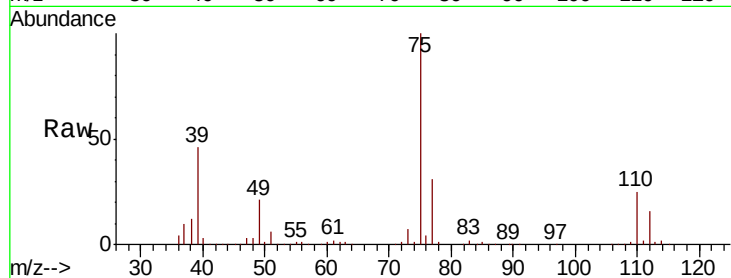
77 31.4 24.6 37.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 51.118 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. -0.00 min

Lab File: VX005510.D

Acq: 23 Oct 2018 09:53

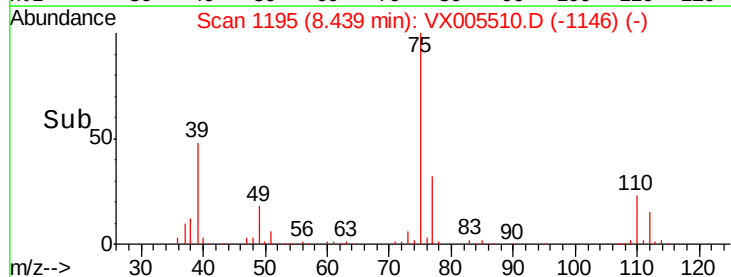
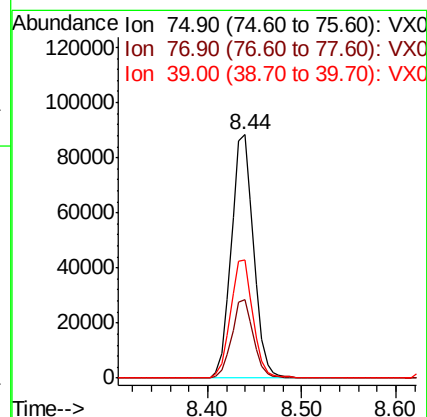
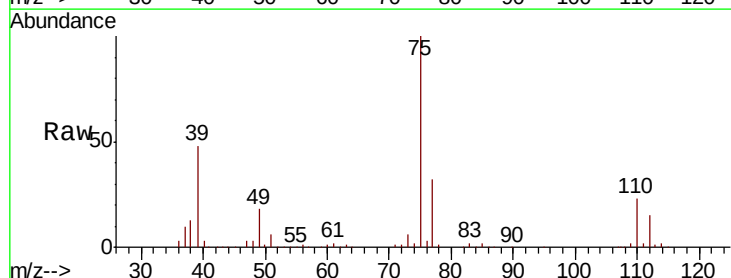
Tgt Ion: 75 Resp: 145205

Ion Ratio Lower Upper

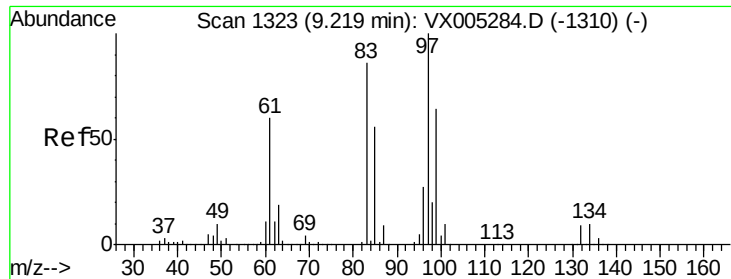
75 100

77 32.0 26.2 39.2

39 48.2 36.4 54.6







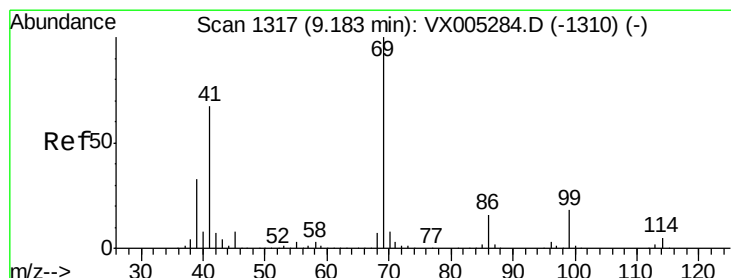
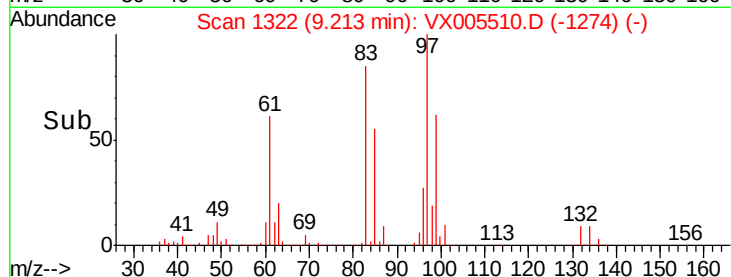
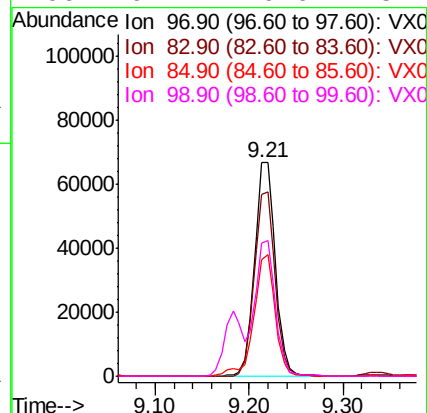
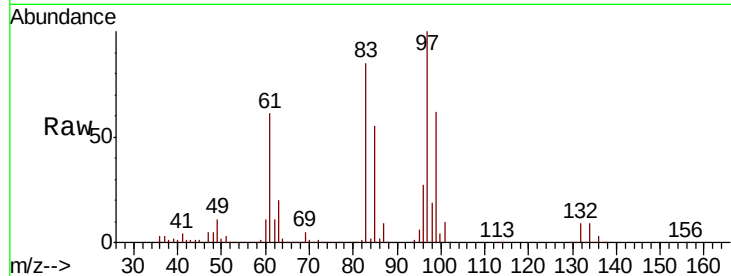
#55  
 1,1,2-Trichloroethane  
 Concen: 55.521 ug/l  
 RT: 9.21 min Scan# 1322  
 Delta R.T. -0.01 min  
 Lab File: VX005510.D  
 Acq: 23 Oct 2018 09:53

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RAV-GT104MSD

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 97      | 100  |       | 104071 |       |       |
| 83      | 85.1 | 66.4  | 99.6   |       |       |
| 85      | 54.8 | 43.3  | 64.9   |       |       |
| 99      | 62.4 | 49.0  | 73.4   |       |       |

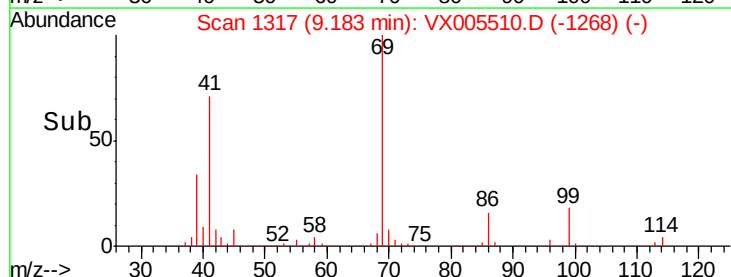
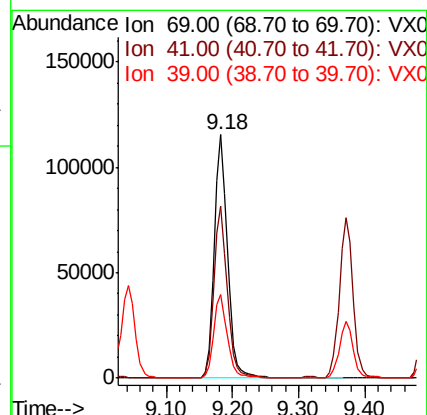
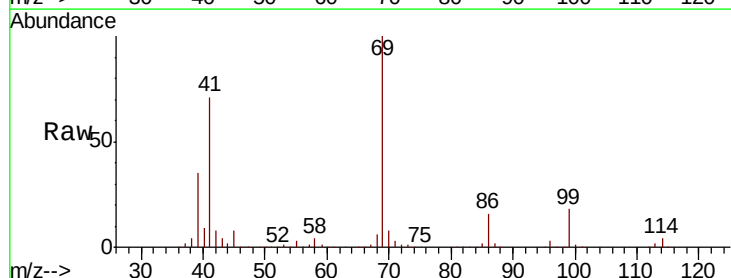
Manual Integrations  
 APPROVED

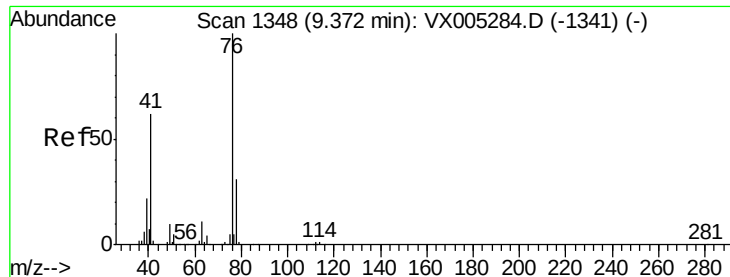
MMDadoda  
 10/23/2018 1:28:18 PM



#56  
 Ethyl methacrylate  
 Concen: 58.851 ug/l  
 RT: 9.18 min Scan# 1317  
 Delta R.T. -0.00 min  
 Lab File: VX005510.D  
 Acq: 23 Oct 2018 09:53

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 69      | 100  |       | 160816 |       |       |
| 41      | 71.4 | 51.0  | 76.4   |       |       |
| 39      | 35.1 | 26.1  | 39.1   |       |       |





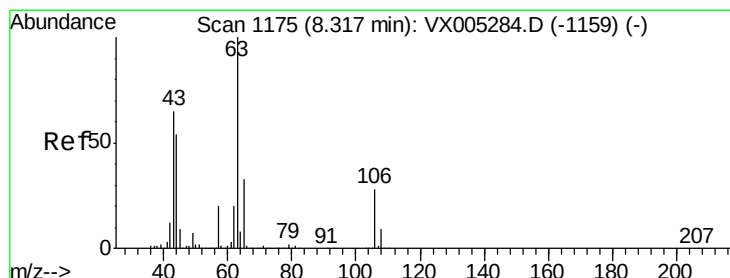
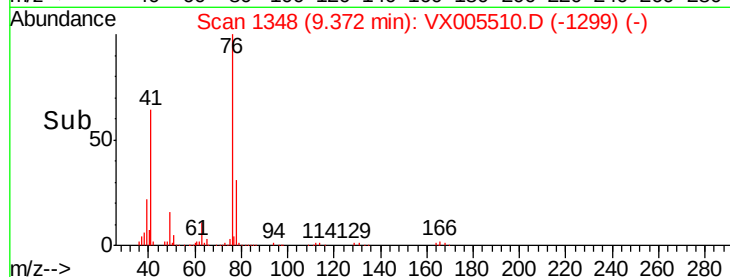
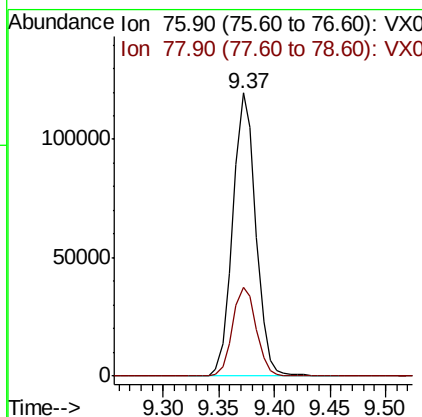
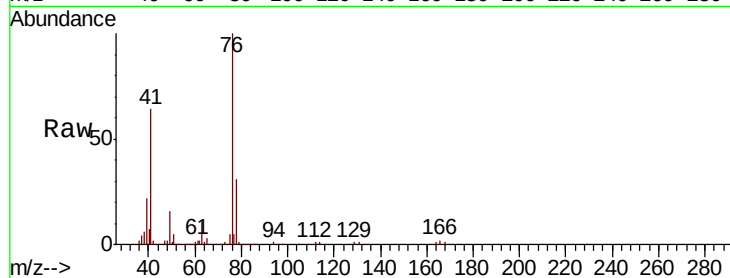
#57  
 1,3-Dichloropropane  
 Concen: 54.931 ug/l  
 RT: 9.37 min Scan# 1348  
 Delta R.T. -0.00 min  
 Lab File: VX005510.D  
 Acq: 23 Oct 2018 09:53

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RAV-GT104MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.2  | 25.5  | 38.3  |

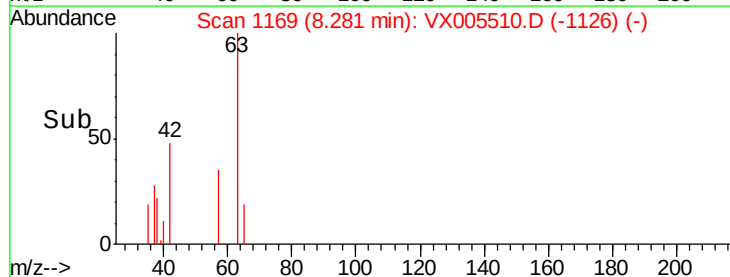
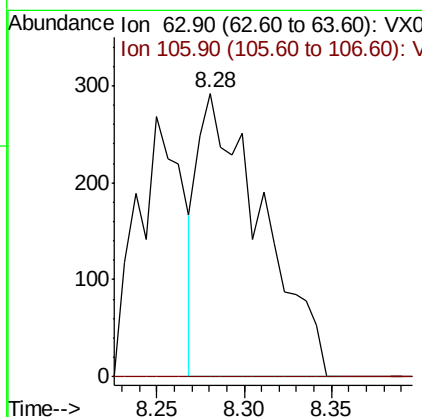
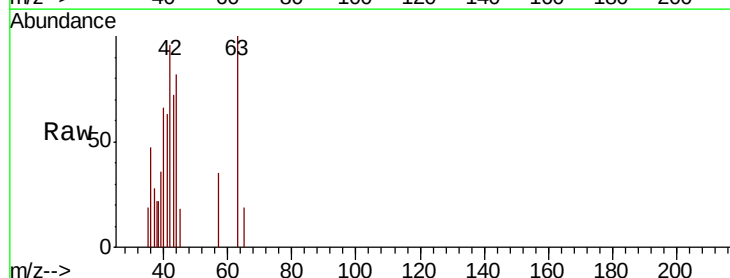
Manual Integrations  
 APPROVED

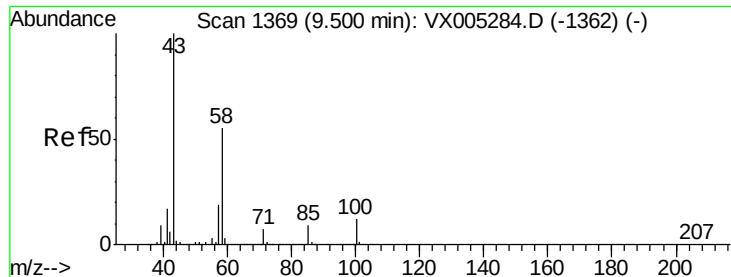
MMDadoda  
 10/23/2018 1:28:18 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 0.485 ug/l  
 RT: 8.28 min Scan# 1169  
 Delta R.T. -0.04 min  
 Lab File: VX005510.D  
 Acq: 23 Oct 2018 09:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 0.0   | 23.9  | 35.9# |





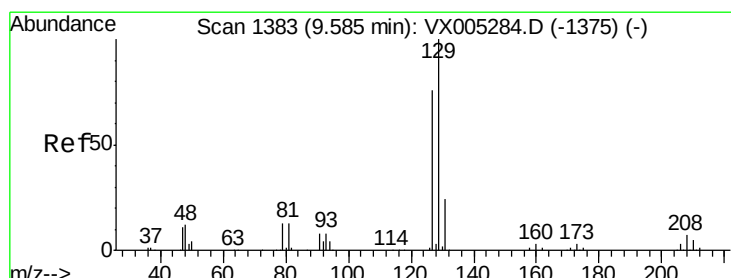
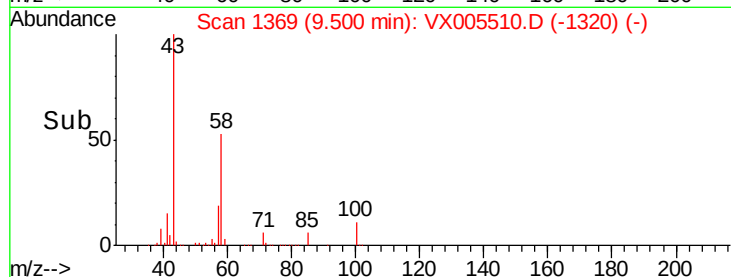
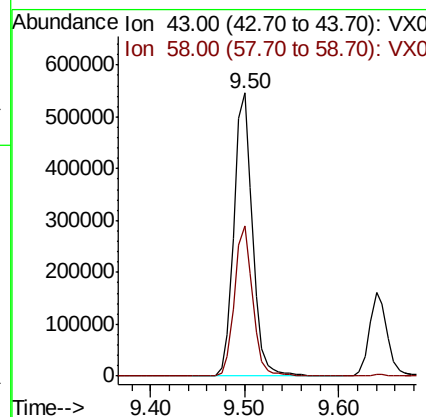
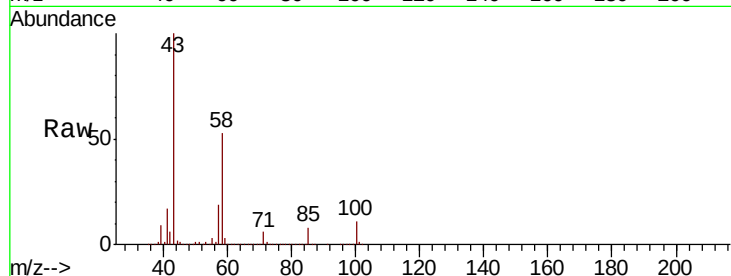
#59  
2-Hexanone  
Concen: 290.390 ug/l  
RT: 9.50 min Scan# 1369  
Delta R.T. -0.00 min  
Lab File: VX005510.D  
Acq: 23 Oct 2018 09:53

Instrument :  
MSVOA\_X  
ClientSampleId :  
RAV-GT104MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 52.3  | 29.0  | 87.0  |

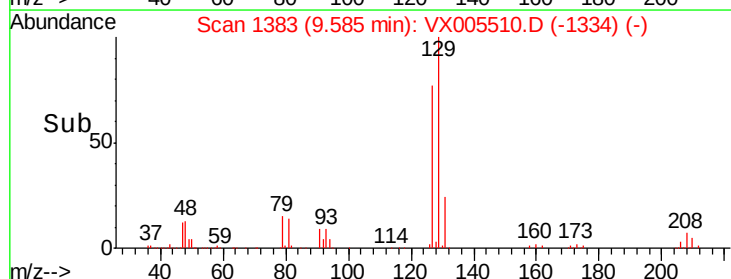
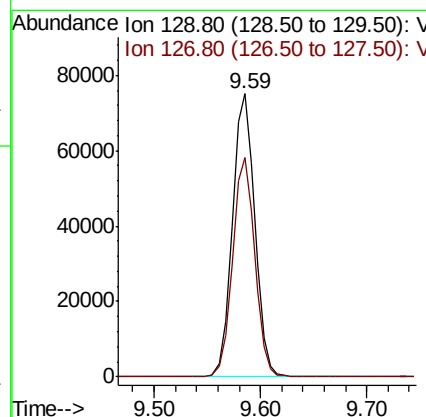
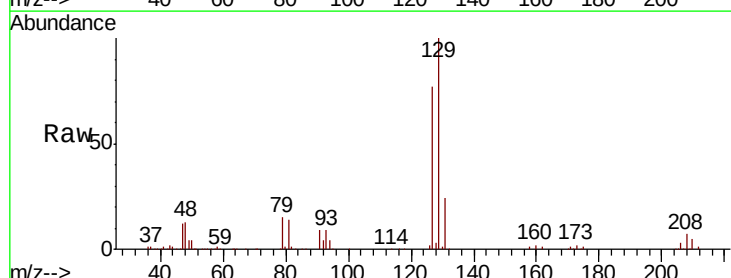
Manual Integrations  
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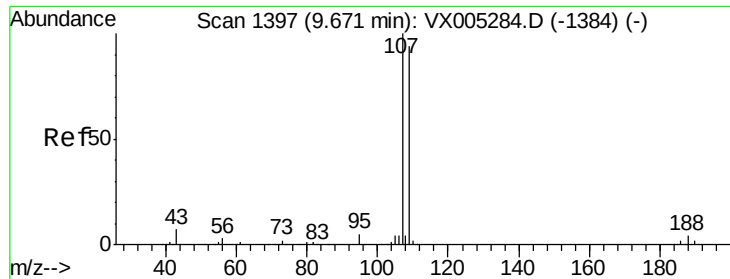
MMDadoda  
10/23/2018 1:28:18 PM



#60  
Dibromochloromethane  
Concen: 57.266 ug/l  
RT: 9.59 min Scan# 1383  
Delta R.T. -0.00 min  
Lab File: VX005510.D  
Acq: 23 Oct 2018 09:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 129     | 100   |       |       |
| 127     | 76.8  | 38.5  | 115.5 |





#61

1,2-Dibromoethane

Concen: 54.007 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005510.D

Acq: 23 Oct 2018 09:53

Instrument :

MSVOA\_X

ClientSampleId :

RAV-GT104MSD

Tot Ion:107 Resp: 106241

Ion Ratio Lower Upper

107 100

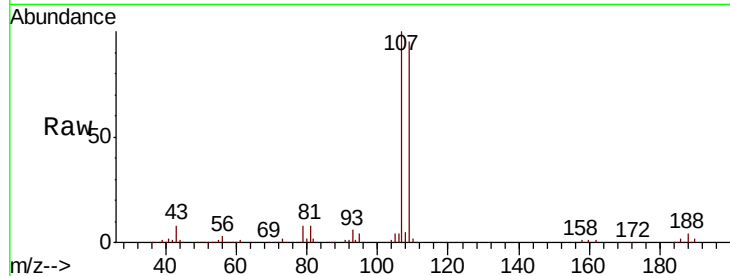
109 94.9 76.0 114.0

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

60000

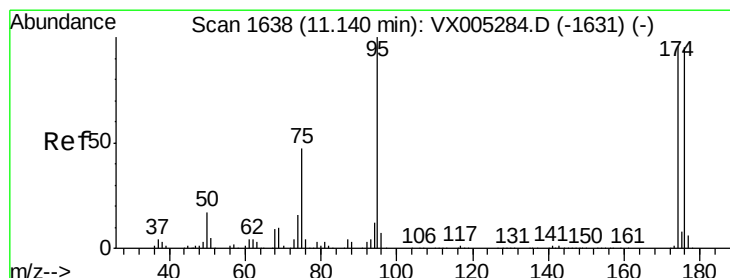
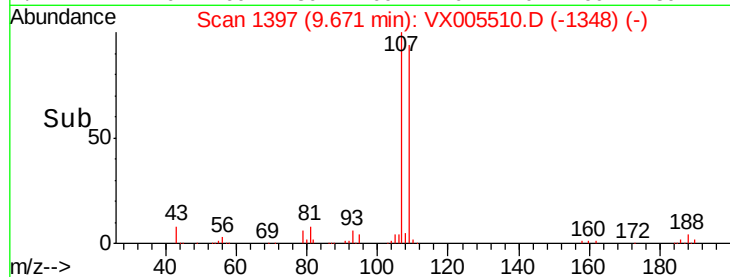
40000

20000

0

9.60 9.65 9.70 9.75 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 53.830 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005510.D

Acq: 23 Oct 2018 09:53

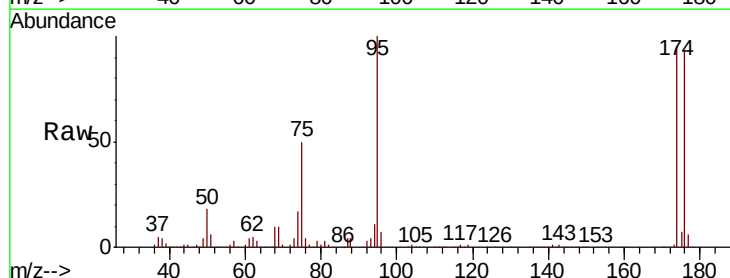
Tgt Ion: 95 Resp: 128024

Ion Ratio Lower Upper

95 100

174 91.2 0.0 185.2

176 87.8 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

60000

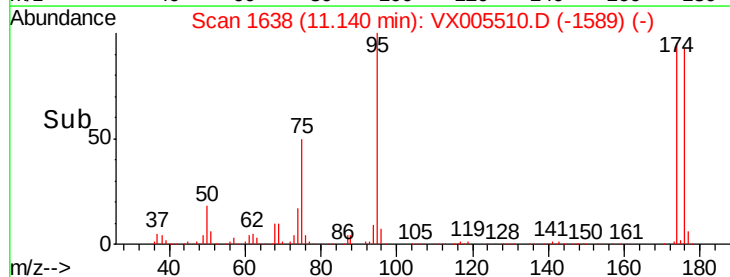
40000

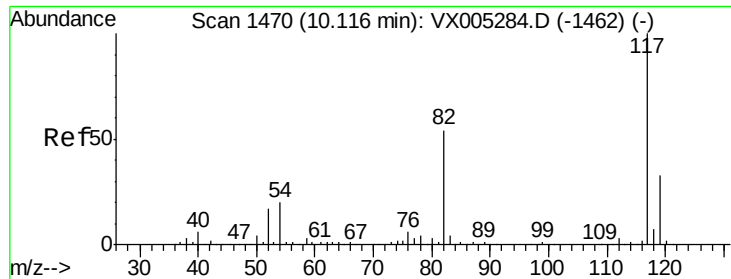
20000

0

11.10 11.20

Time-->





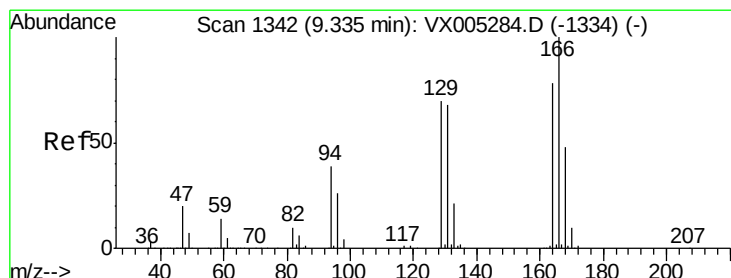
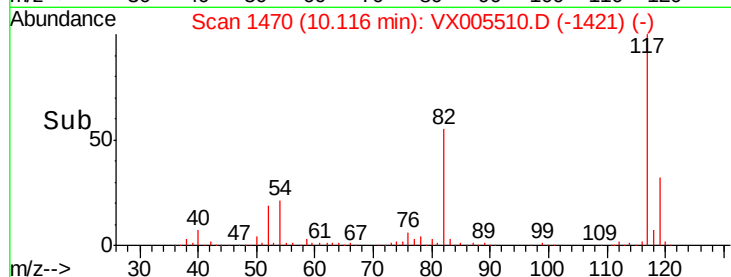
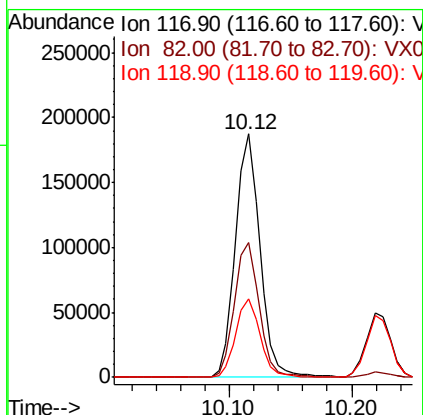
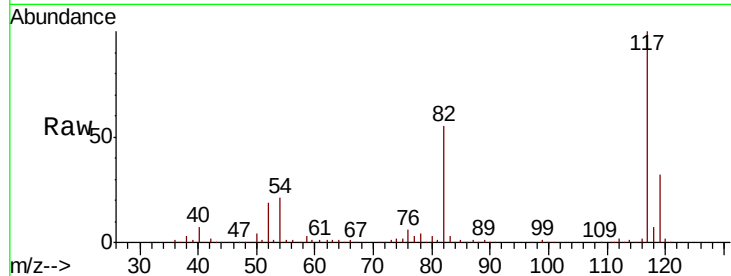
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. -0.00 min  
Lab File: VX005510.D  
Acq: 23 Oct 2018 09:53

Instrument :  
MSVOA\_X  
ClientSampleId :  
RAV-GT104MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 55.2  | 47.8  | 71.6  |
| 119     | 32.1  | 29.3  | 43.9  |

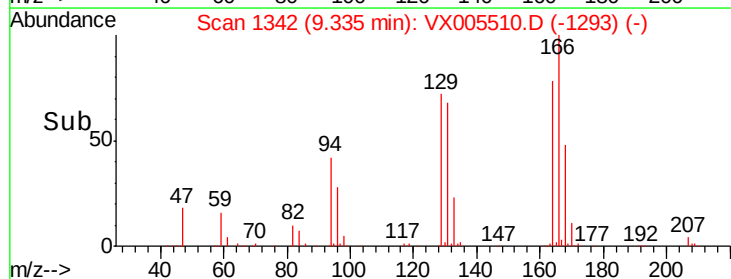
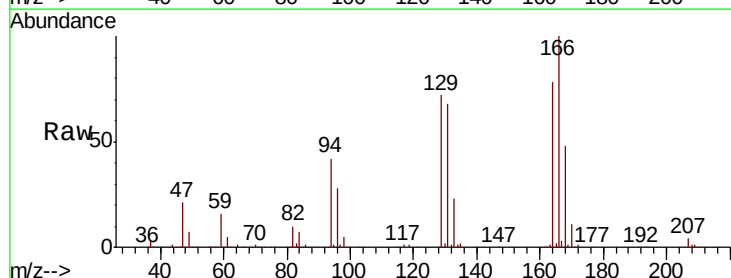
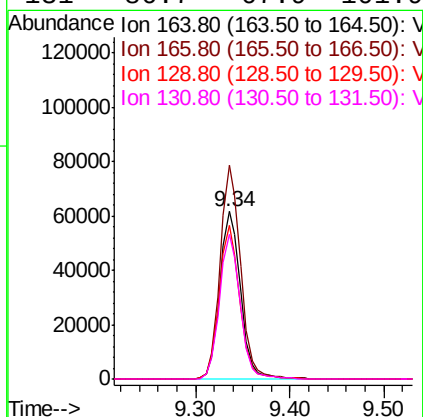
Manual Integrations  
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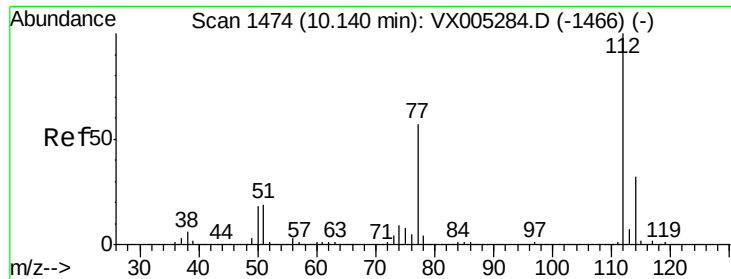
MMDadoda  
10/23/2018 1:28:18 PM



#64  
Tetrachloroethene  
Concen: 45.042 ug/l  
RT: 9.34 min Scan# 1342  
Delta R.T. -0.00 min  
Lab File: VX005510.D  
Acq: 23 Oct 2018 09:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 127.7 | 102.8 | 154.2 |
| 129     | 92.1  | 69.4  | 104.0 |
| 131     | 86.7  | 67.9  | 101.9 |





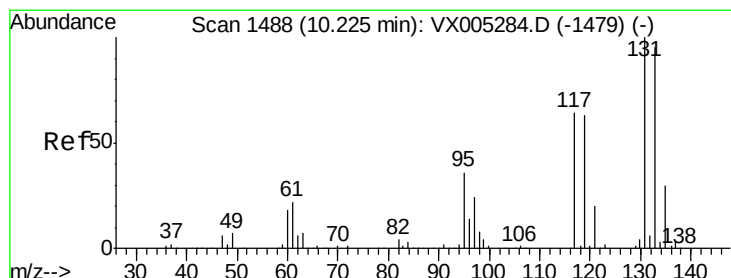
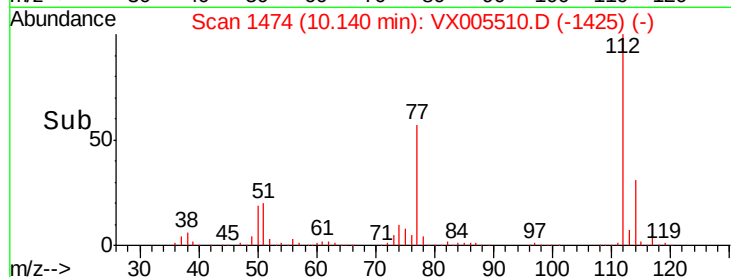
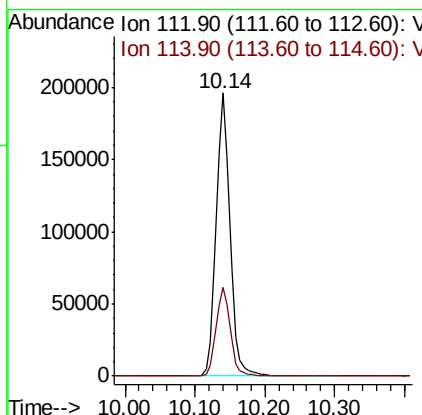
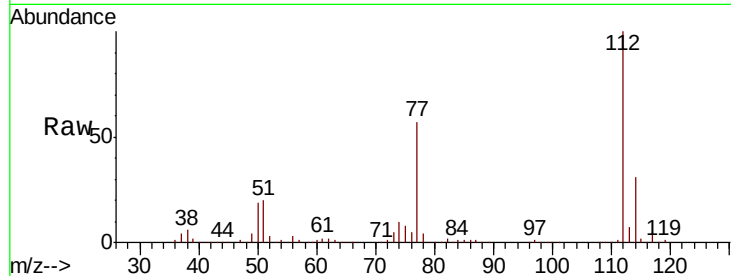
#65  
Chlorobenzene  
Concen: 49.007 ug/l  
RT: 10.14 min Scan# 1474  
Delta R.T. -0.00 min  
Lab File: VX005510.D  
Acq: 23 Oct 2018 09:53

Instrument :  
MSVOA\_X  
ClientSampleId :  
RAV-GT104MSD

Tot Ion:112 Resp: 270990  
Ion Ratio Lower Upper  
112 100  
114 31.4 27.8 41.8

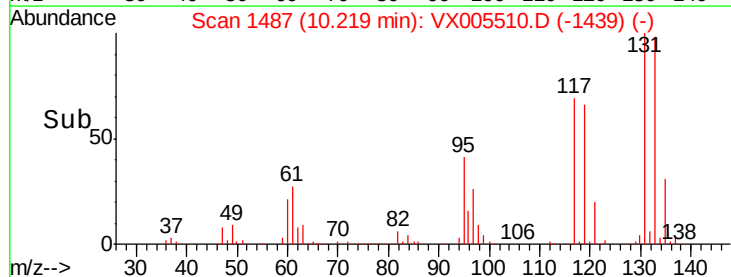
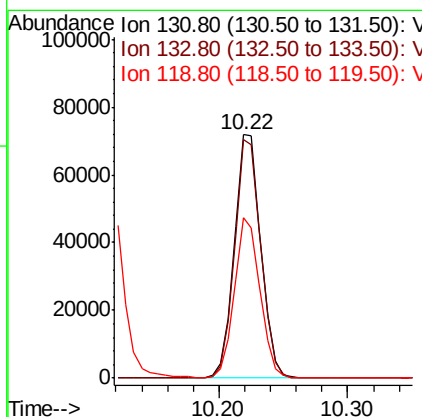
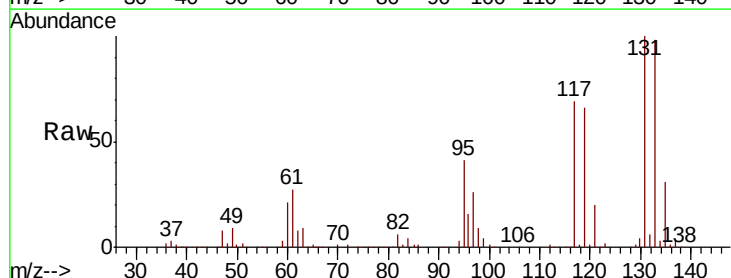
Manual Integrations  
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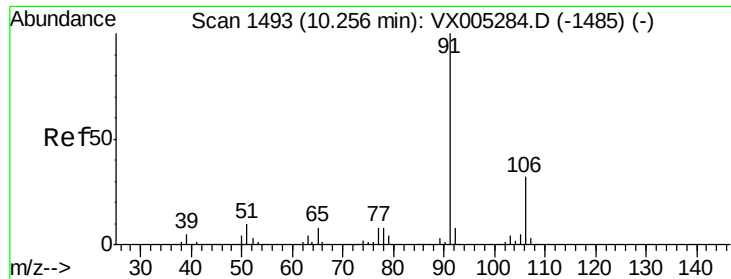
MMDadoda  
10/23/2018 1:28:18 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 52.183 ug/l  
RT: 10.22 min Scan# 1487  
Delta R.T. -0.01 min  
Lab File: VX005510.D  
Acq: 23 Oct 2018 09:53

Tgt Ion:131 Resp: 102828  
Ion Ratio Lower Upper  
131 100  
133 96.6 48.1 144.4  
119 63.8 32.9 98.6





#67

Ethyl Benzene

Concen: 50.781 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VX005510.D

Acq: 23 Oct 2018 09:53

Instrument :

MSVOA\_X

ClientSampleId :

RAV-GT104MSD

Tot Ion: 91 Resp: 456482

Ion Ratio Lower Upper

91 100

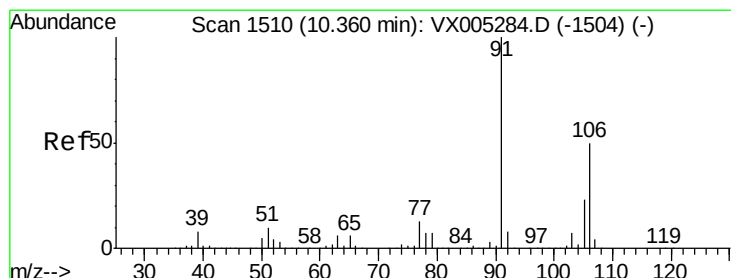
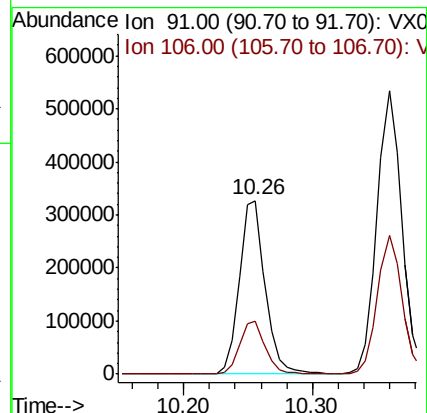
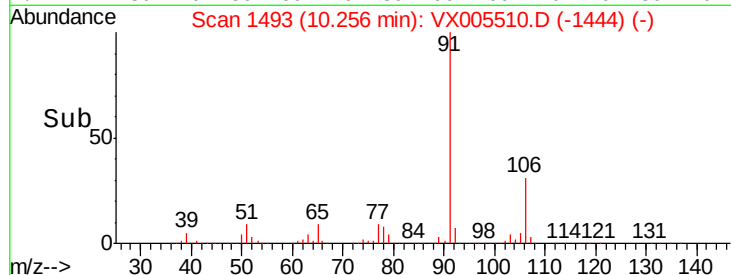
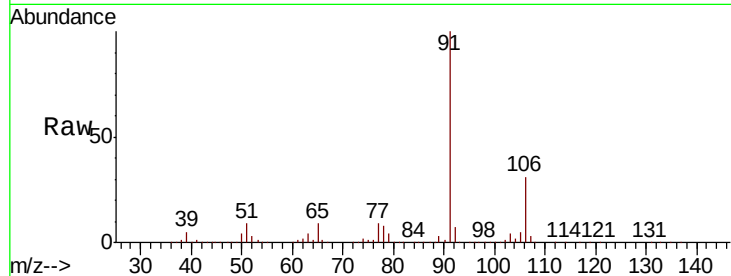
106 30.7 25.9 38.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 101.004 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005510.D

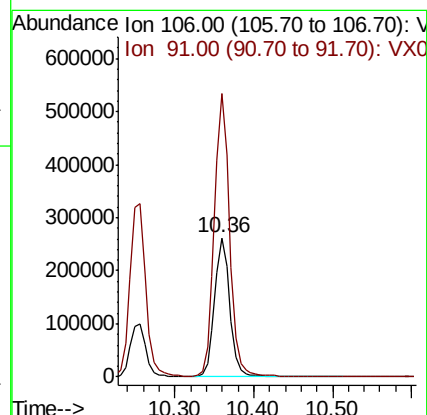
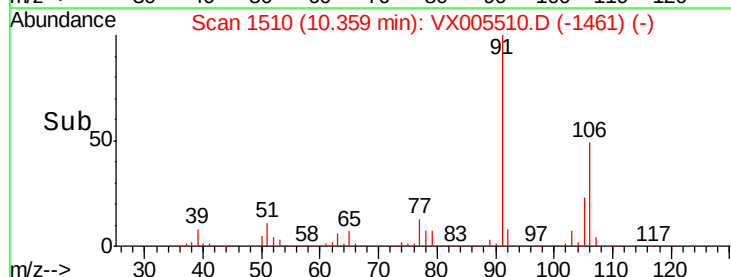
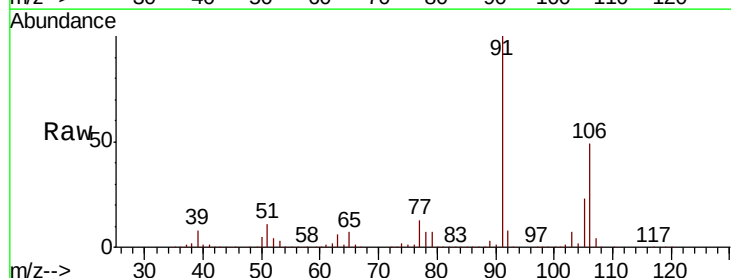
Acq: 23 Oct 2018 09:53

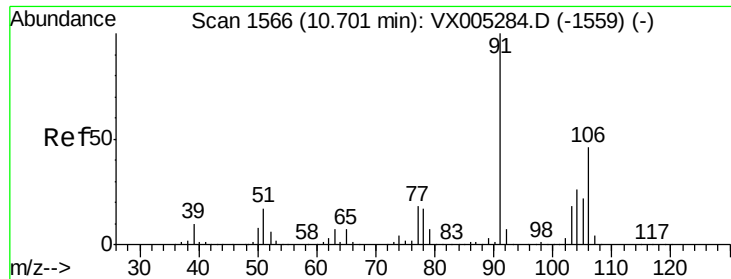
Tgt Ion: 106 Resp: 352406

Ion Ratio Lower Upper

106 100

91 204.8 157.1 235.7





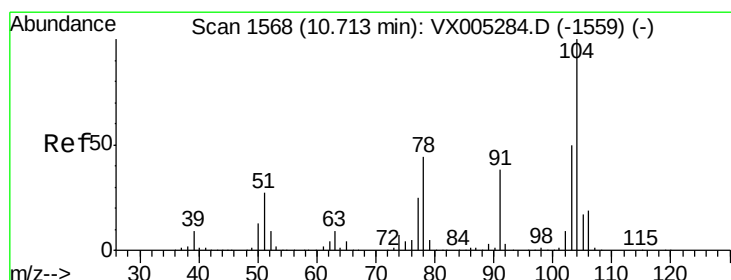
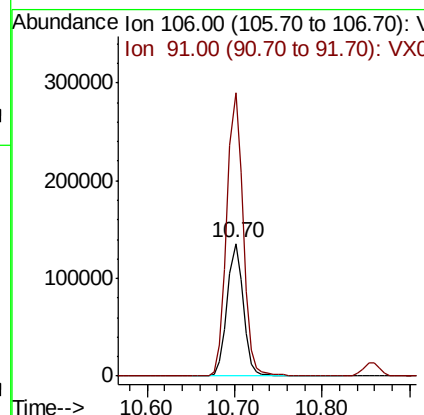
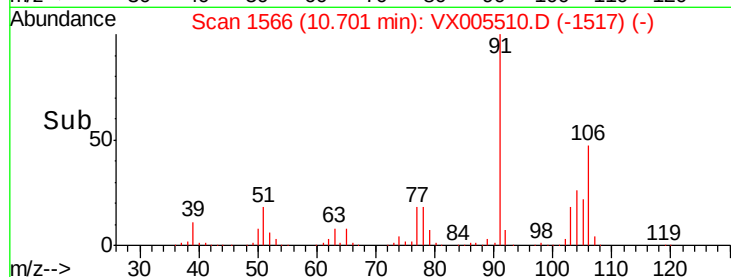
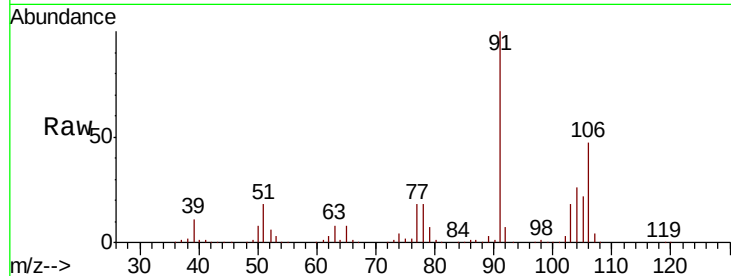
#69  
o-Xylene  
Concen: 51.442 ug/l  
RT: 10.70 min Scan# 1566  
Delta R.T. -0.00 min  
Lab File: VX005510.D  
Acq: 23 Oct 2018 09:53

Instrument :  
MSVOA\_X  
ClientSampleId :  
RAV-GT104MSD

Tot Ion:106 Resp: 173099  
Ion Ratio Lower Upper  
106 100  
91 215.1 105.1 315.1

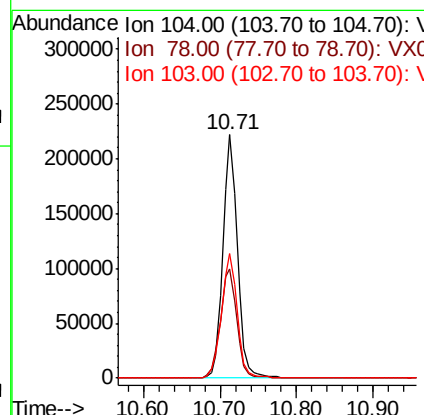
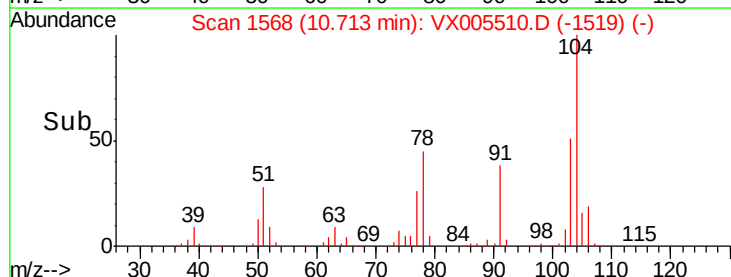
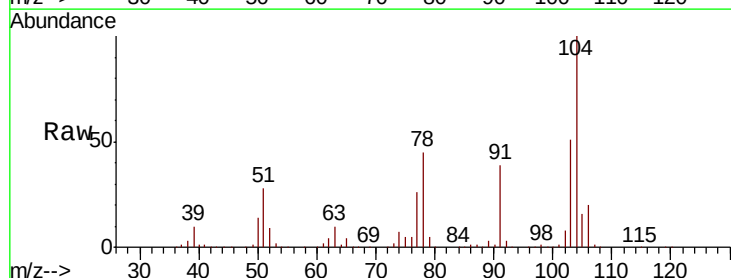
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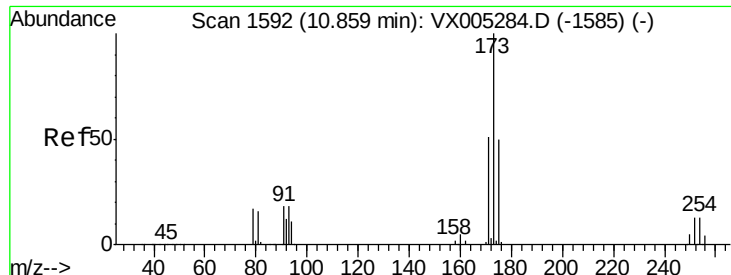


#70  
Styrene  
Concen: 52.911 ug/l  
RT: 10.71 min Scan# 1568  
Delta R.T. -0.00 min  
Lab File: VX005510.D  
Acq: 23 Oct 2018 09:53

Tgt Ion:104 Resp: 292845  
Ion Ratio Lower Upper  
104 100  
78 50.8 37.4 56.0  
103 55.5 43.8 65.6







#71

Bromoform

Concen: 52.733 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005510.D

Acq: 23 Oct 2018 09:53

Instrument :

MSVOA\_X

ClientSampleId :

RAV-GT104MSD

Tot Ion:173 Resp: 92859

Ion Ratio Lower Upper

173 100

175 48.7 24.1 72.3

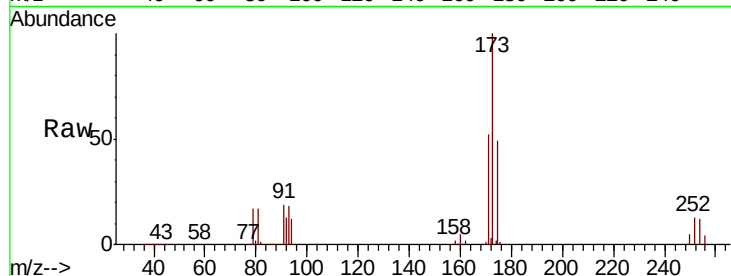
254 0.3 0.2 0.2#

Manual Integrations

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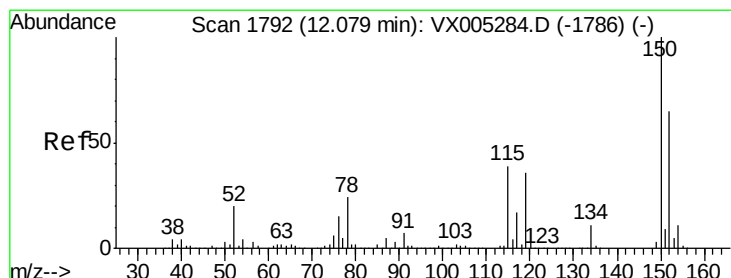
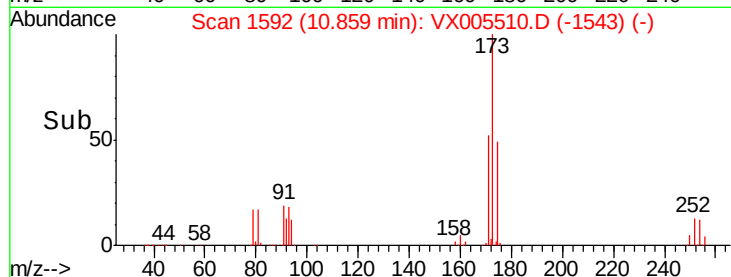
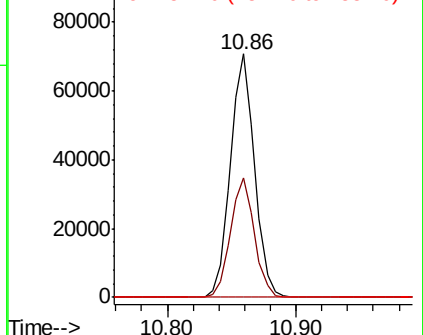
10/23/2018 1:28:18 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005510.D

Acq: 23 Oct 2018 09:53

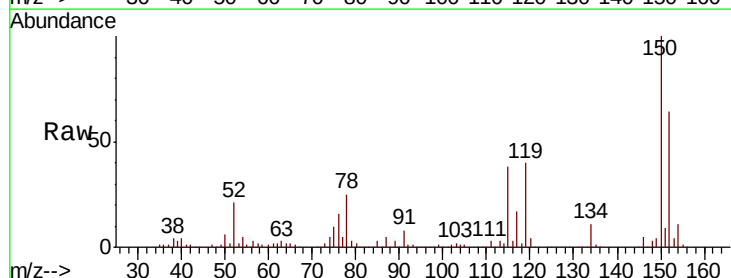
Tgt Ion:152 Resp: 145346

Ion Ratio Lower Upper

152 100

115 77.0 39.0 117.0

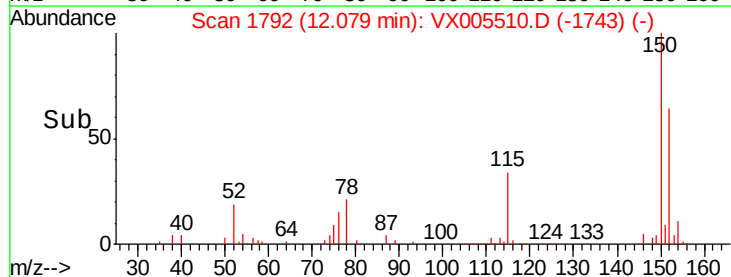
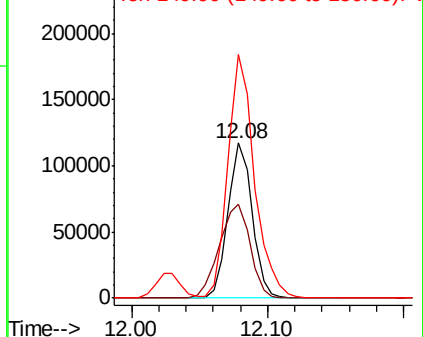
150 172.7 0.0 351.0

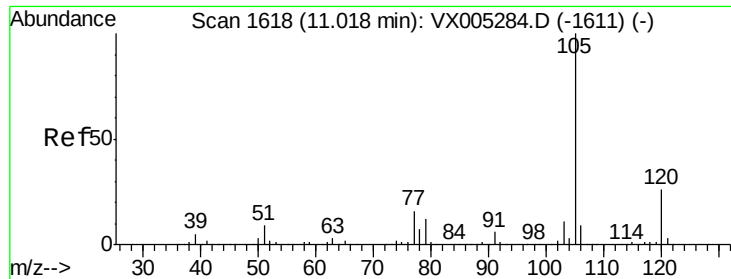


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.982 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005510.D

Acq: 23 Oct 2018 09:53

Instrument :

MSVOA\_X

ClientSampleId :

RAV-GT104MSD

Tot Ion: 105 Resp: 457782

Ion Ratio Lower Upper

105 100

120 26.4

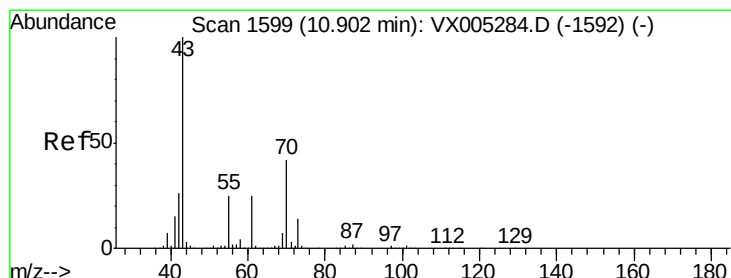
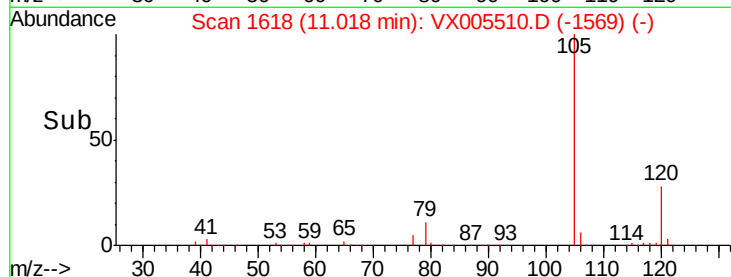
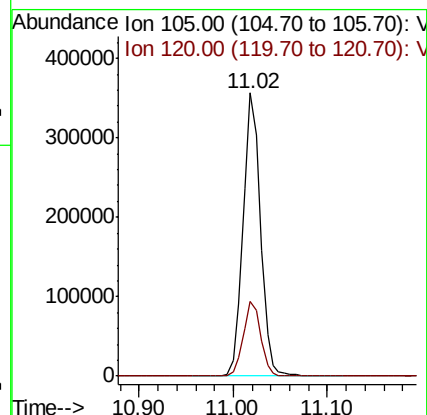
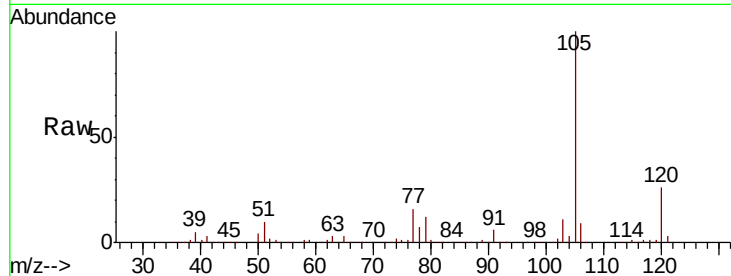
13.5 40.4

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#74

N-ethyl acetate

Concen: 49.876 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VX005510.D

Acq: 23 Oct 2018 09:53

Tgt Ion: 43 Resp: 207855

Ion Ratio Lower Upper

43 100

70 39.8

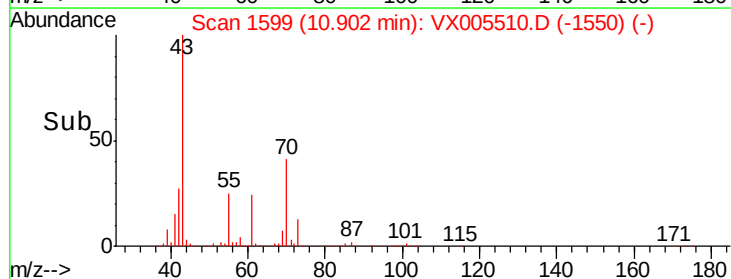
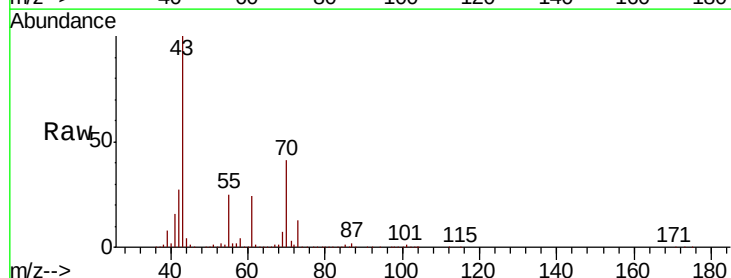
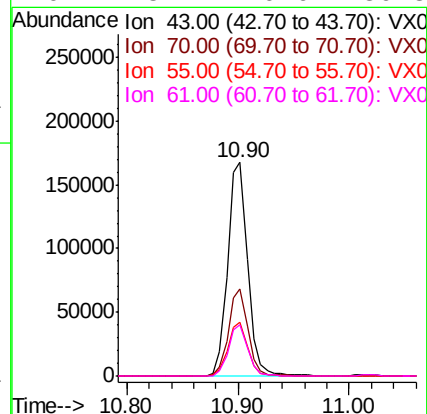
55 25.1

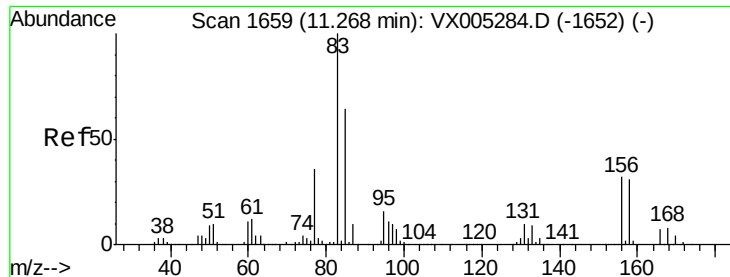
61 23.2

37.4 56.0

21.8 32.8

20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 54.054 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005510.D

Acq: 23 Oct 2018 09:53

Instrument :

MSVOA\_X

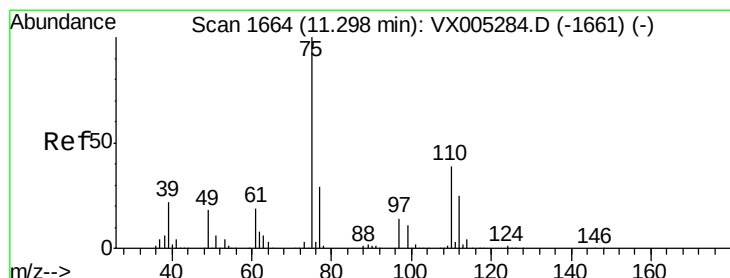
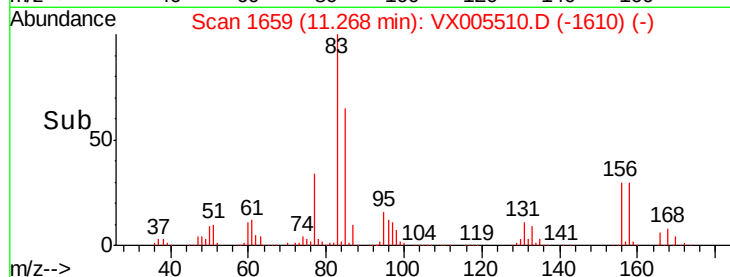
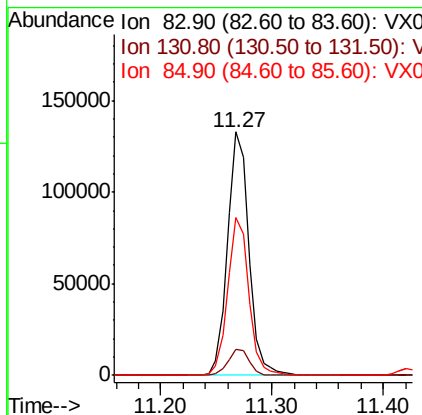
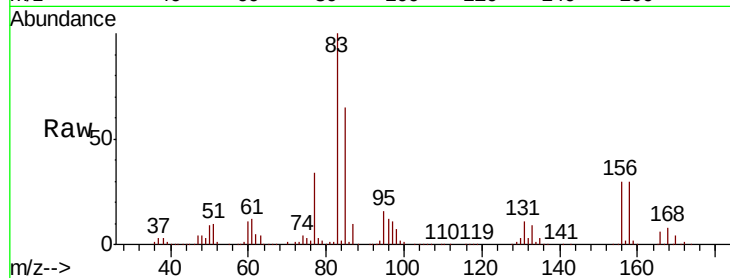
ClientSampleId :

RAV-GT104MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 176185 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.7  | 5.2   | 15.6   |
| 85        | 64.2  | 32.3  | 96.8   |

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#76

1,2,3-Trichloropropane

Concen: 53.598 ug/l m

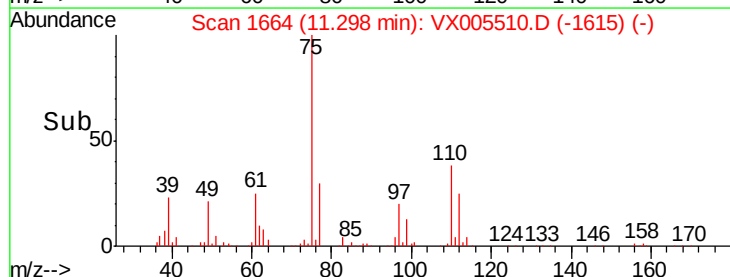
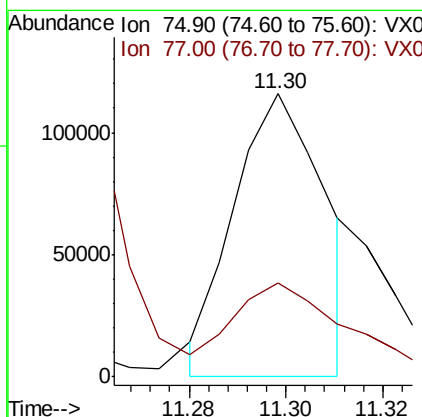
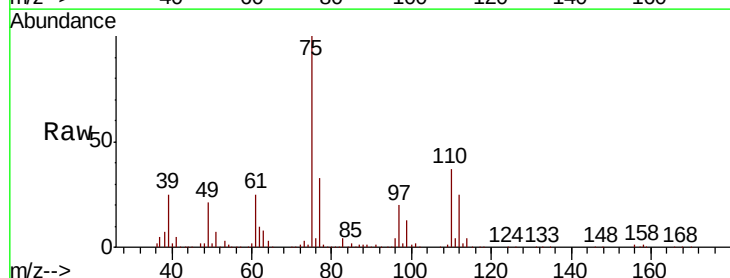
RT: 11.30 min Scan# 1664

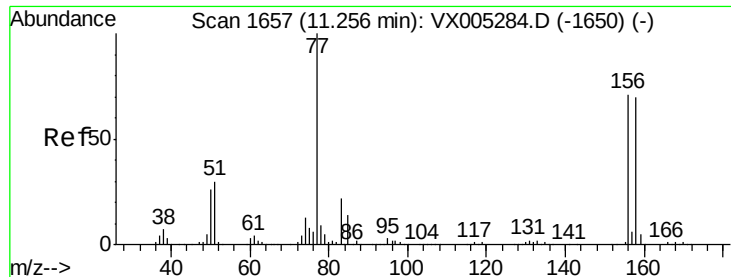
Delta R.T. -0.00 min

Lab File: VX005510.D

Acq: 23 Oct 2018 09:53

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 151108 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 42.4  | 20.2  | 60.6   |





#77

Bromobenzene

Concen: 51.755 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005510.D

Acq: 23 Oct 2018 09:53

Instrument :

MSVOA\_X

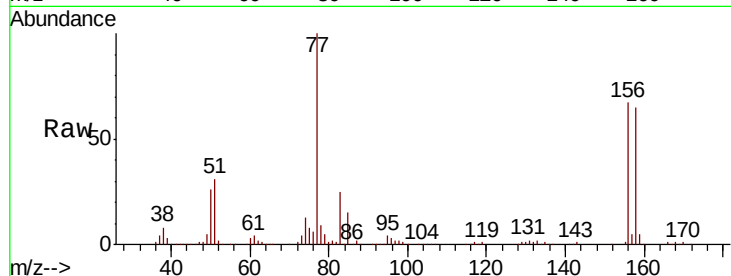
ClientSampleId :

RAV-GT104MSD

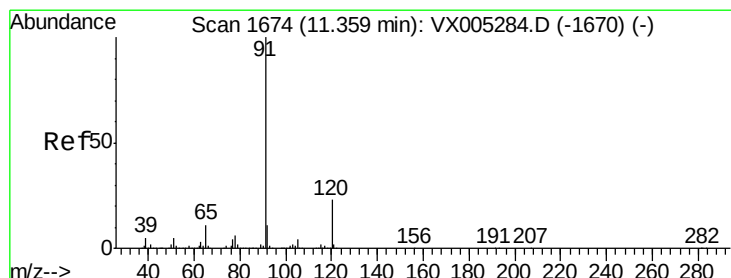
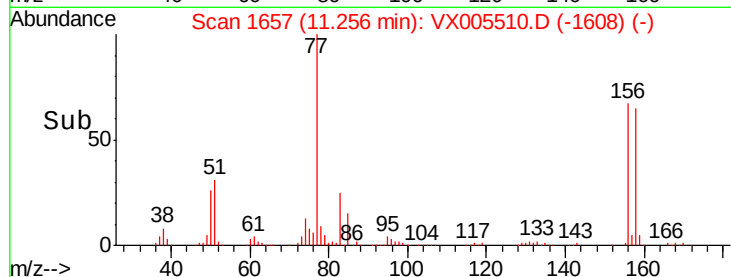
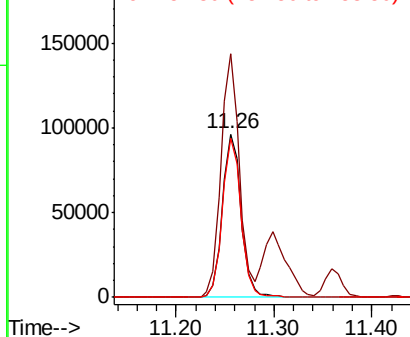
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 127862 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 146.4 | 71.5  | 214.3  |
| 158       | 97.4  | 48.9  | 146.8  |

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Abundance Ion 155.80 (155.50 to 156.50): V  
Ion 77.00 (76.70 to 77.70): VX0  
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.680 ug/l

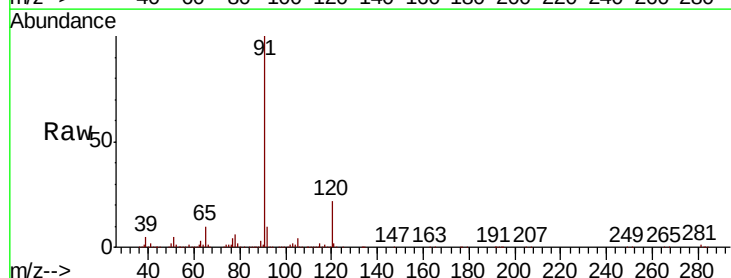
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

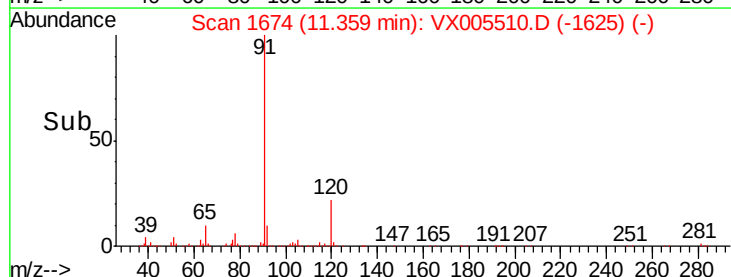
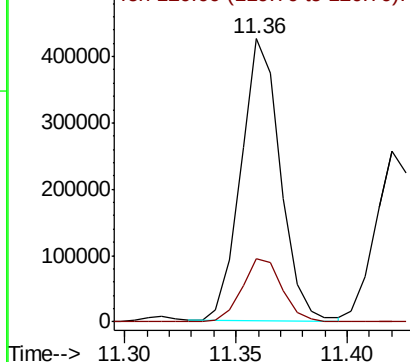
Lab File: VX005510.D

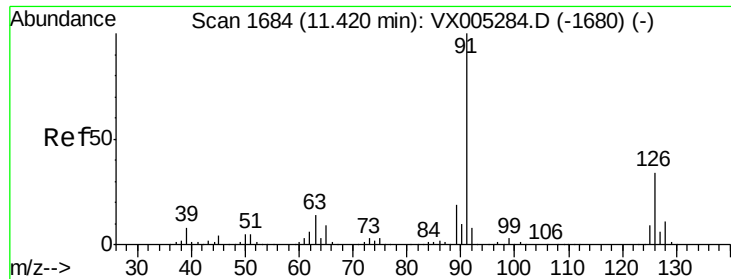
Acq: 23 Oct 2018 09:53

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 523789 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 23.4  | 11.9  | 35.9   |



Abundance Ion 91.00 (90.70 to 91.70): VX0  
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.230 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005510.D

Acq: 23 Oct 2018 09:53

Instrument :

MSVOA\_X

ClientSampleId :

RAV-GT104MSD

Tot Ion: 91 Resp: 324138

Ion Ratio Lower Upper

91 100

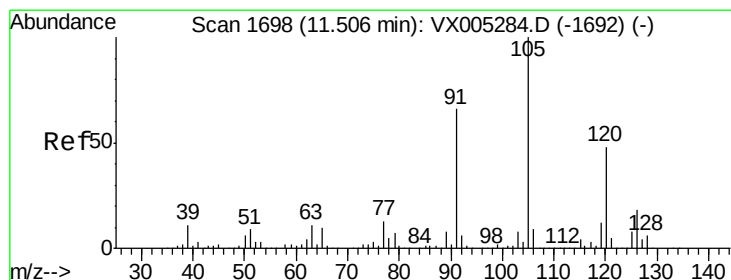
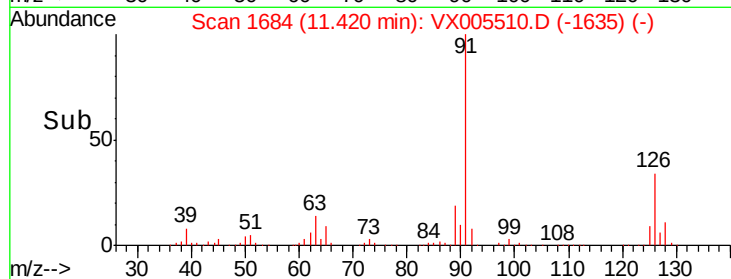
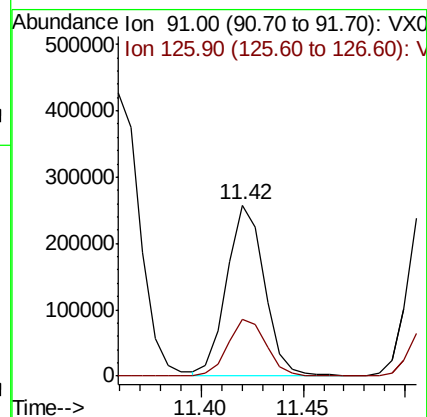
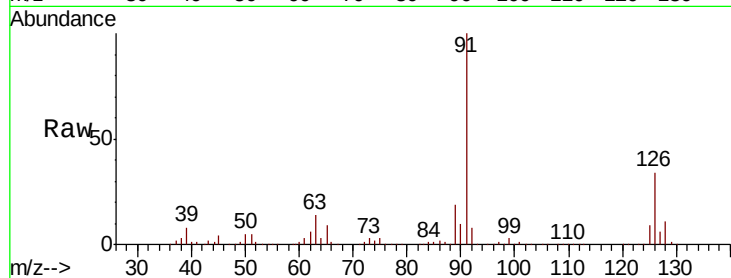
126 34.6 17.9 53.7

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#80

1,3,5-Trimethylbenzene

Concen: 53.061 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005510.D

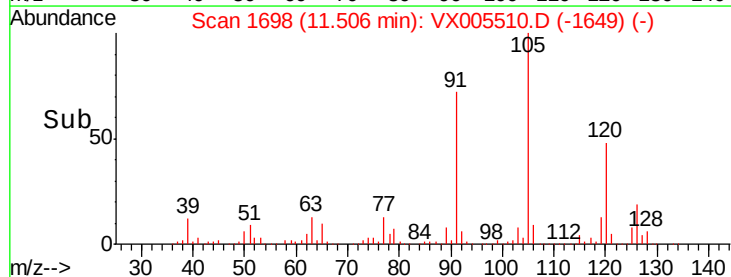
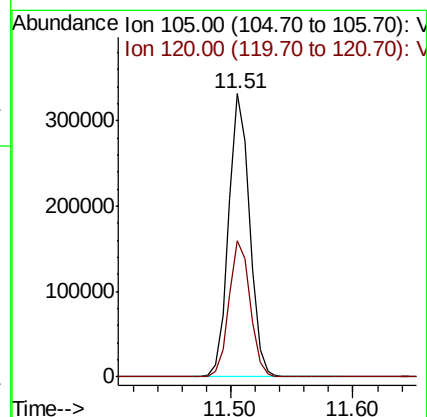
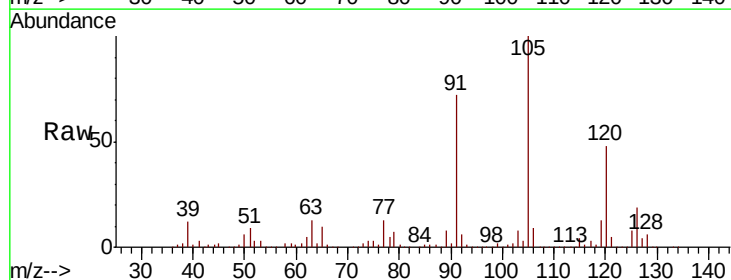
Acq: 23 Oct 2018 09:53

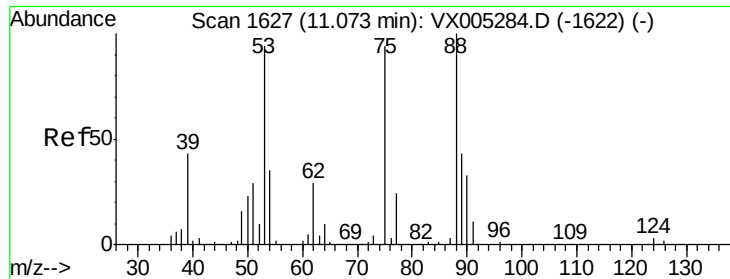
Tgt Ion: 105 Resp: 392603

Ion Ratio Lower Upper

105 100

120 48.5 25.6 76.8





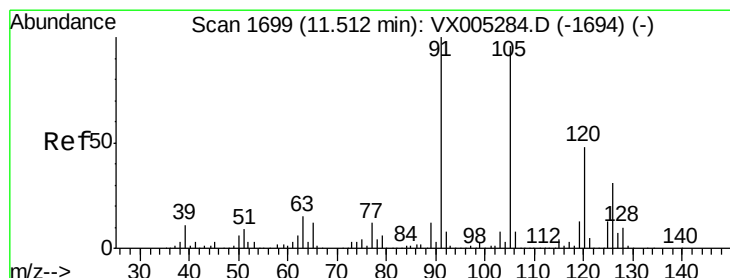
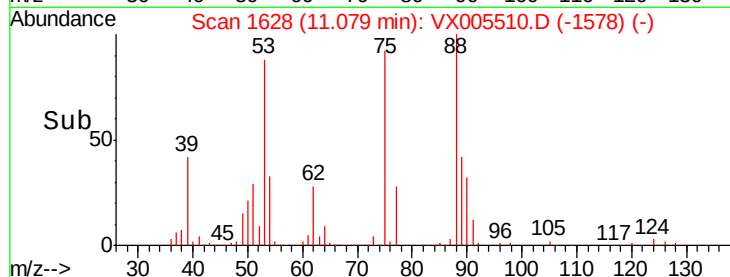
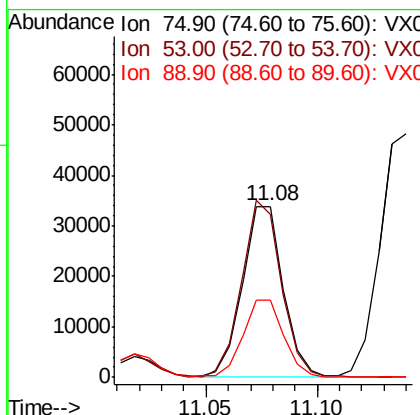
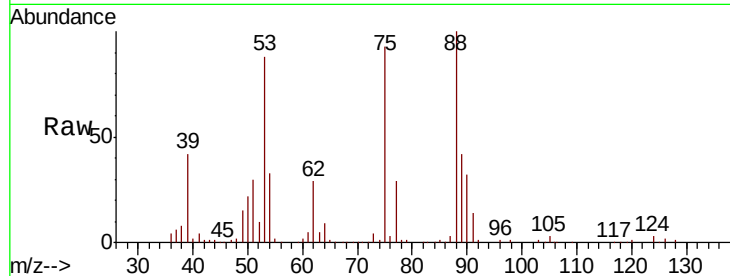
#81  
trans-1,4-Dichloro-2-butene  
Concen: 46.264 ug/l  
RT: 11.08 min Scan# 1628  
Delta R.T. 0.01 min  
Lab File: VX005510.D  
Acq: 23 Oct 2018 09:53

Instrument :  
MSVOA\_X  
ClientSampleId :  
RAV-GT104MSD

Tot Ion: 75 Resp: 42927  
Ion Ratio Lower Upper  
75 100  
53 101.1 80.1 120.1  
89 45.9 37.2 55.8

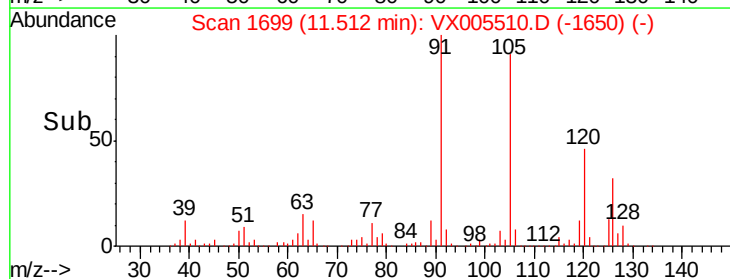
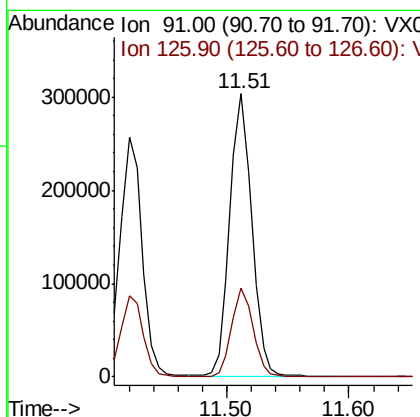
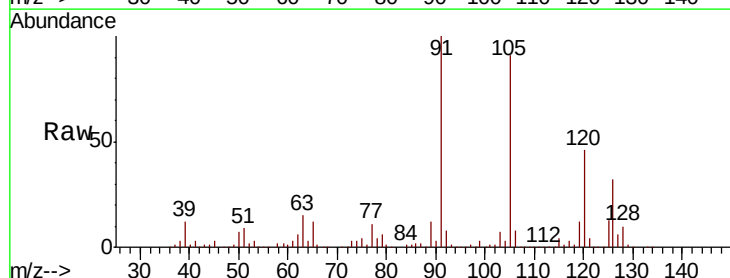
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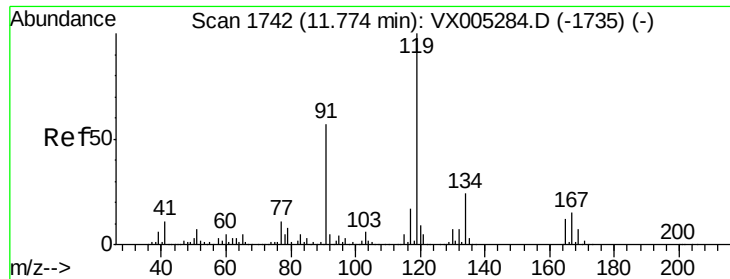
MMDadoda  
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#82  
4-Chlorotoluene  
Concen: 52.769 ug/l  
RT: 11.51 min Scan# 1699  
Delta R.T. -0.00 min  
Lab File: VX005510.D  
Acq: 23 Oct 2018 09:53

Tgt Ion: 91 Resp: 380912  
Ion Ratio Lower Upper  
91 100  
126 30.7 15.5 46.5





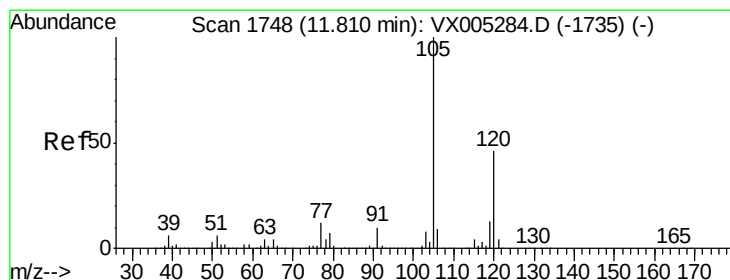
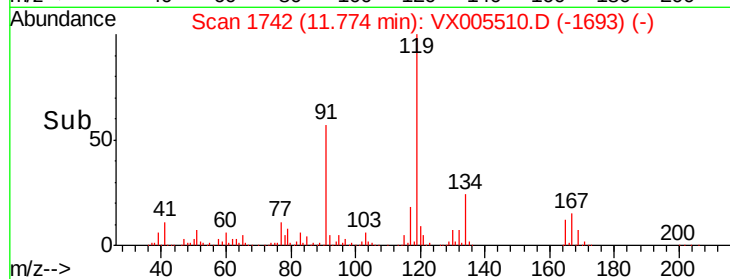
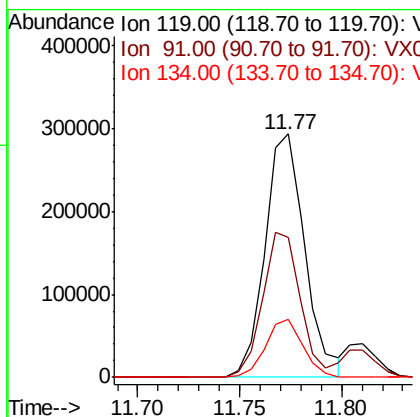
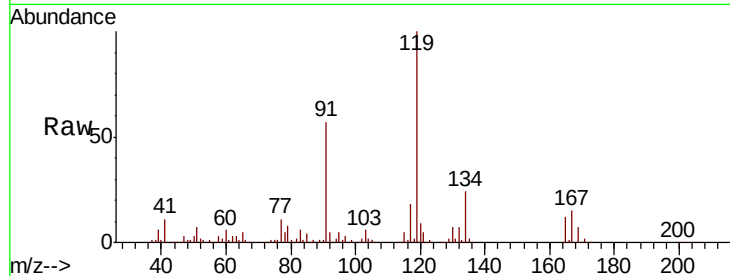
#83  
 tert-Butylbenzene  
 Concen: 53.256 ug/l  
 RT: 11.77 min Scan# 1742  
 Delta R.T. -0.00 min  
 Lab File: VX005510.D  
 Acq: 23 Oct 2018 09:53

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RAV-GT104MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 56.2  | 27.0  | 81.0  |
| 134     | 22.5  | 11.7  | 35.1  |

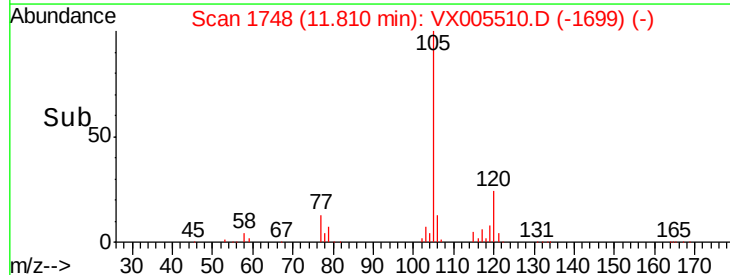
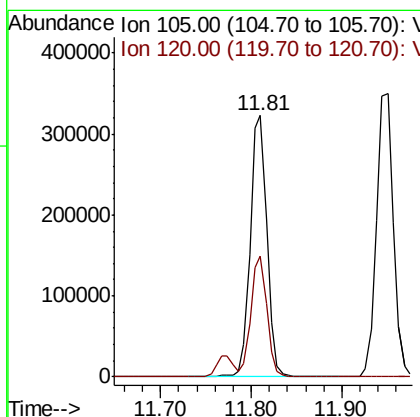
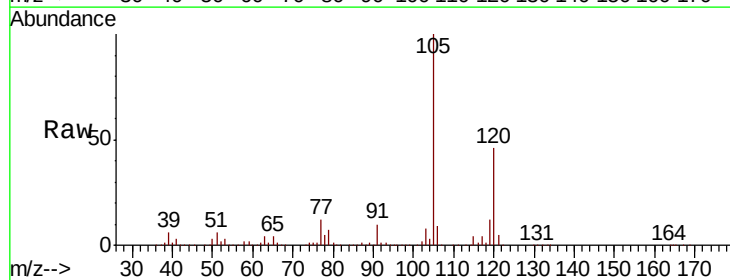
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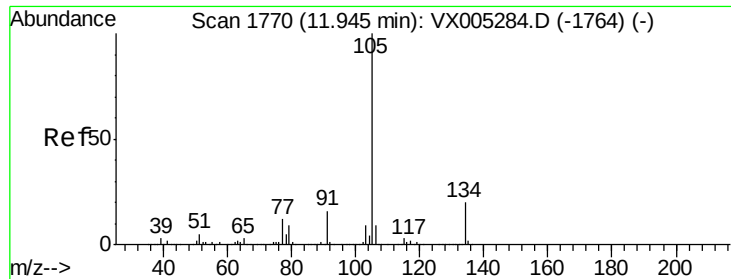
MMDadoda  
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#84  
 1,2,4-Trimethylbenzene  
 Concen: 53.710 ug/l  
 RT: 11.81 min Scan# 1748  
 Delta R.T. -0.00 min  
 Lab File: VX005510.D  
 Acq: 23 Oct 2018 09:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 44.7  | 23.2  | 69.6  |





#85

sec-Butylbenzene

Concen: 50.953 ug/l

RT: 11.95 min Scan# 1771

Delta R.T. 0.01 min

Lab File: VX005510.D

Acq: 23 Oct 2018 09:53

Instrument :

MSVOA\_X

ClientSampleId :

RAV-GT104MSD

Tot Ion:105 Resp: 451803

Ion Ratio Lower Upper

105 100

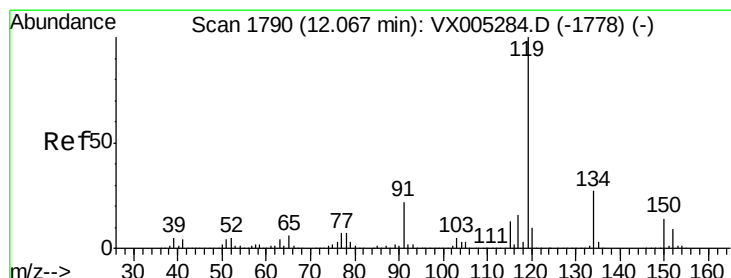
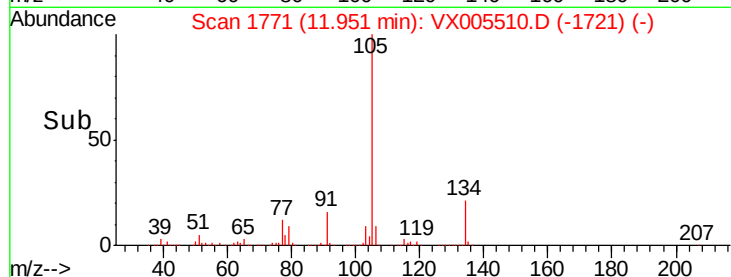
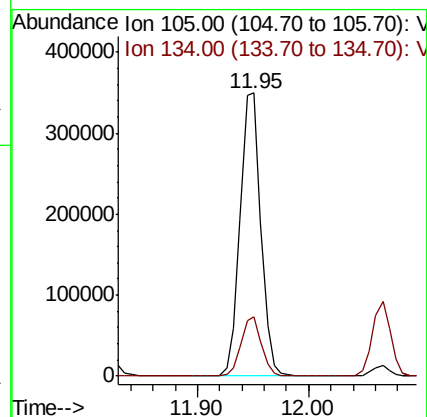
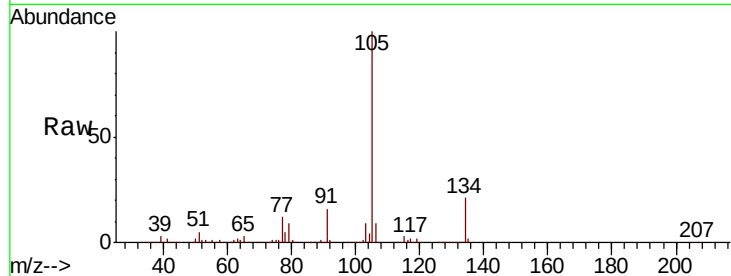
134 20.4 10.5 31.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 50.460 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005510.D

Acq: 23 Oct 2018 09:53

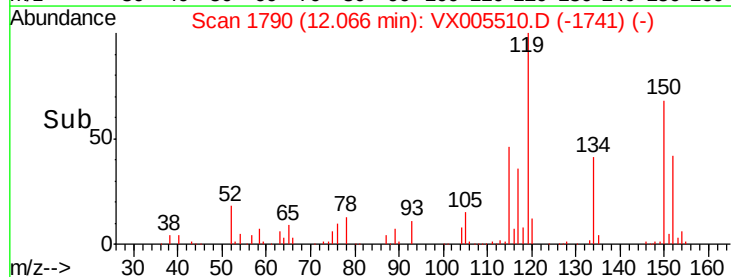
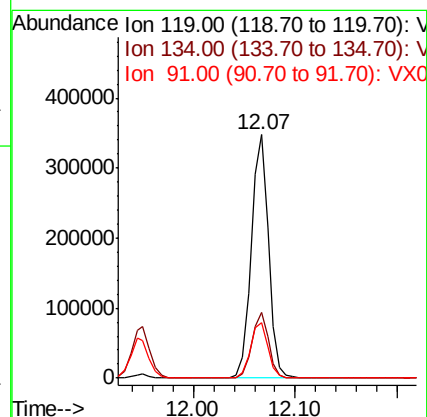
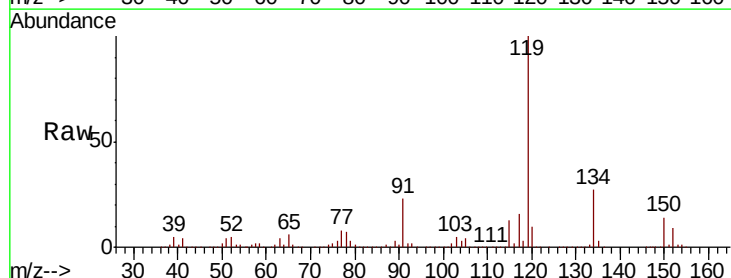
Tgt Ion:119 Resp: 404409

Ion Ratio Lower Upper

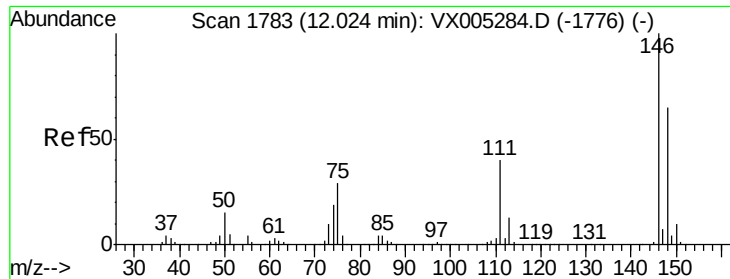
119 100

134 26.4 13.4 40.2

91 23.2 10.9 32.7







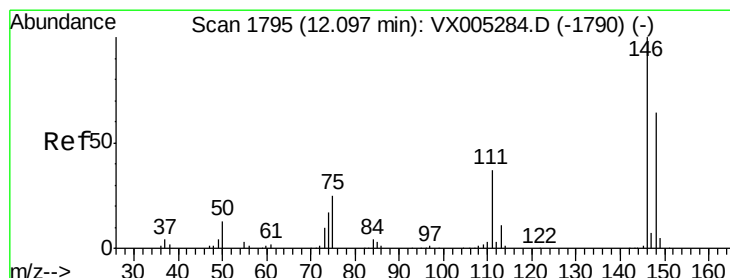
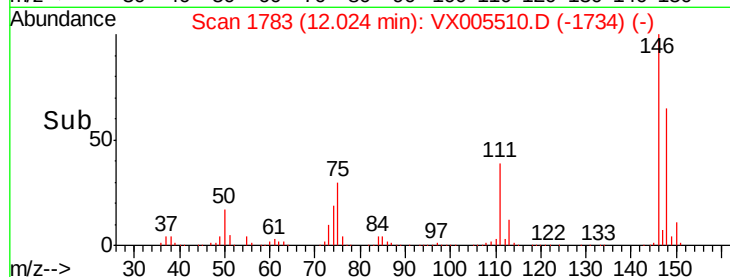
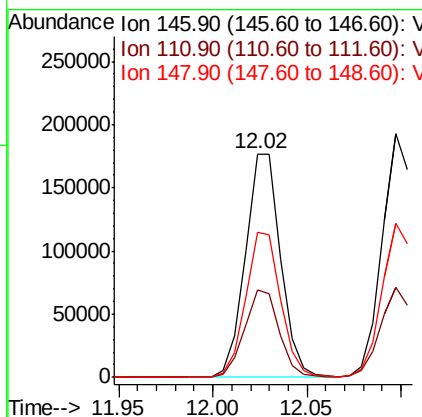
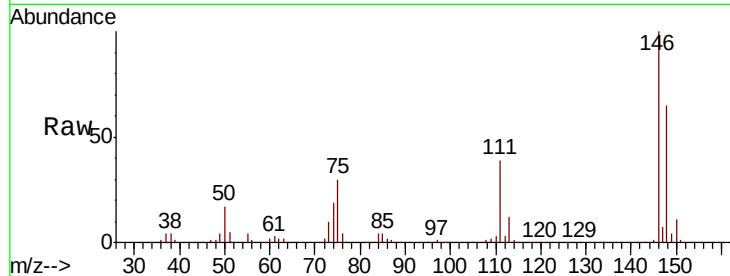
#87  
 1,3-Dichlorobenzene  
 Concen: 49.937 ug/l  
 RT: 12.02 min Scan# 1783  
 Delta R.T. -0.00 min  
 Lab File: VX005510.D  
 Acq: 23 Oct 2018 09:53

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RAV-GT104MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.5  | 18.7  | 56.1  |
| 148     | 64.4  | 32.1  | 96.5  |

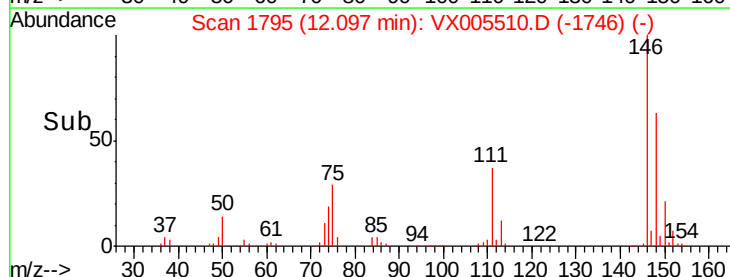
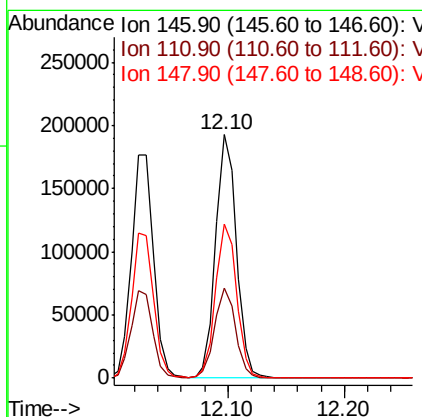
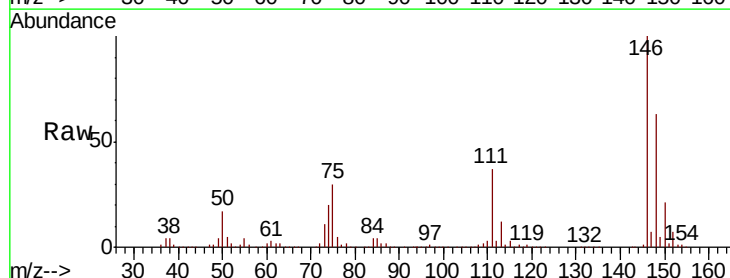
Manual Integrations  
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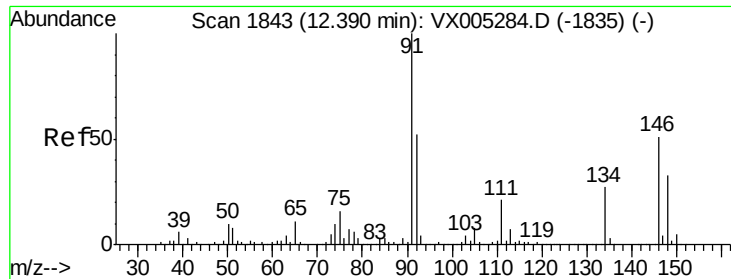
MMDadoda  
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#88  
 1,4-Dichlorobenzene  
 Concen: 49.987 ug/l  
 RT: 12.10 min Scan# 1795  
 Delta R.T. -0.00 min  
 Lab File: VX005510.D  
 Acq: 23 Oct 2018 09:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.5  | 18.1  | 54.1  |
| 148     | 64.5  | 32.0  | 96.0  |





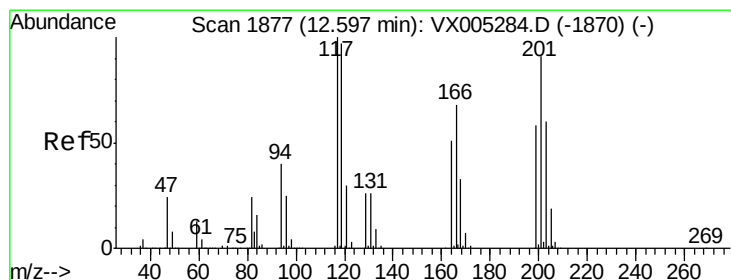
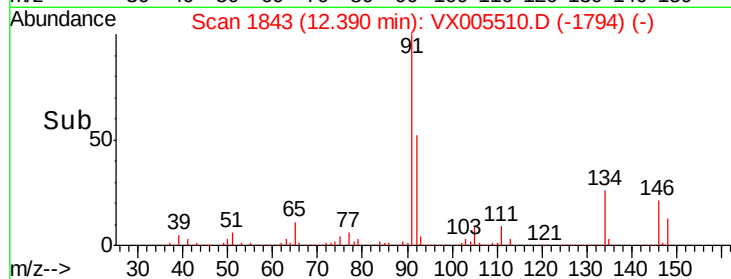
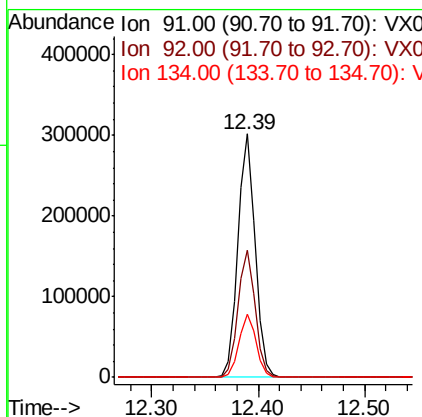
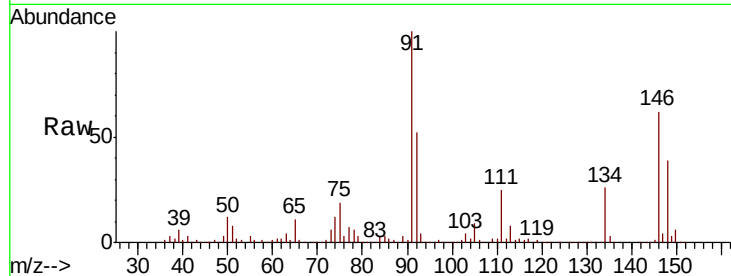
#89  
n-Butylbenzene  
Concen: 47.314 ug/l  
RT: 12.39 min Scan# 1843  
Delta R.T. -0.00 min  
Lab File: VX005510.D  
Acq: 23 Oct 2018 09:53

Instrument :  
MSVOA\_X  
ClientSampleId :  
RAV-GT104MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.0  | 27.3  | 81.9  |
| 134     | 26.0  | 13.6  | 40.7  |

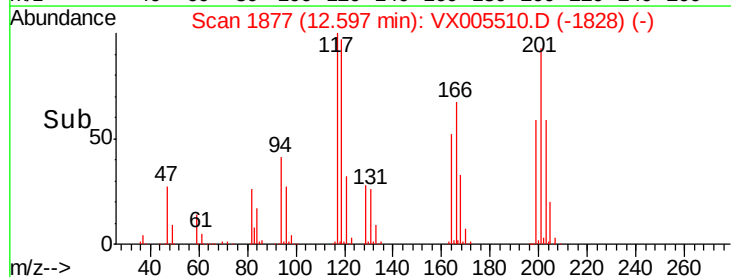
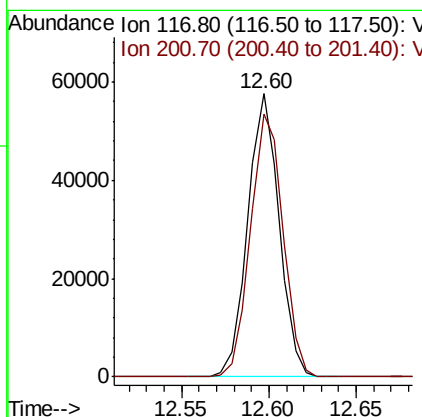
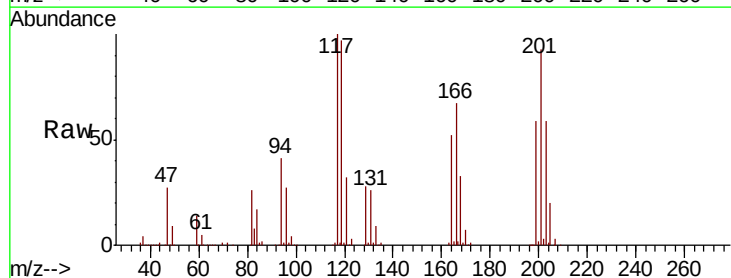
Manual Integrations  
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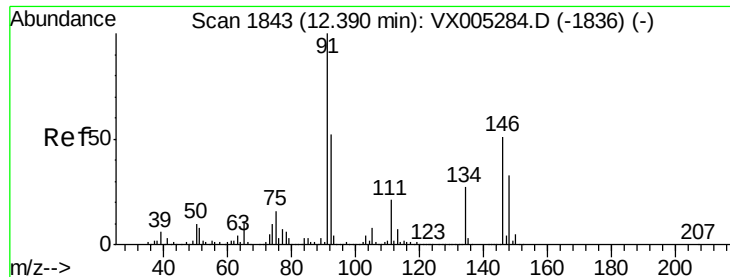
MMDadoda  
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#90  
Hexachloroethane  
Concen: 51.881 ug/l  
RT: 12.60 min Scan# 1877  
Delta R.T. -0.00 min  
Lab File: VX005510.D  
Acq: 23 Oct 2018 09:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 96.5  | 46.9  | 140.6 |





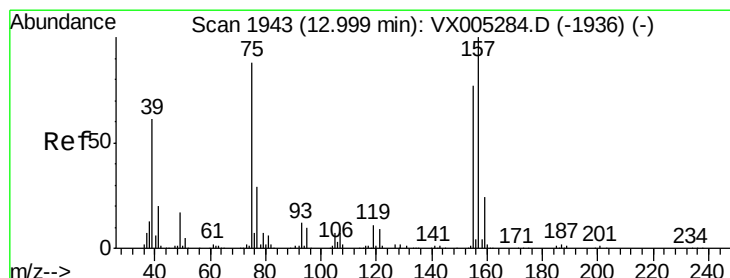
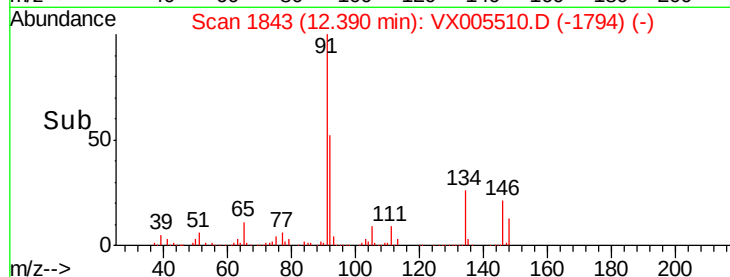
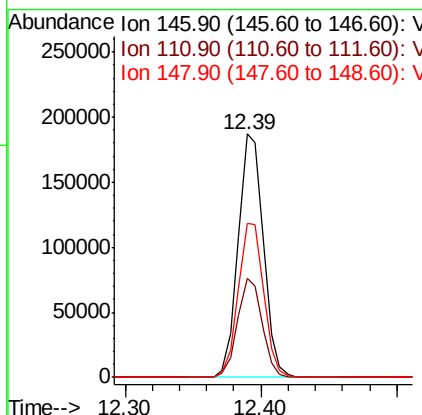
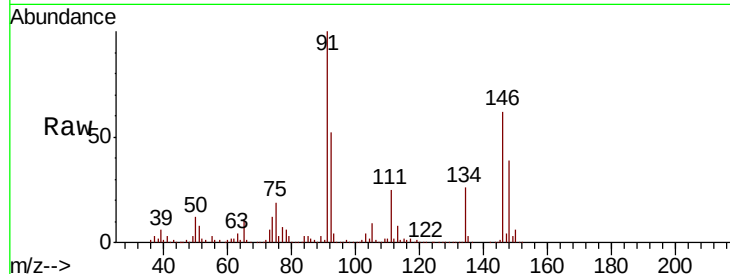
#91  
 1,2-Dichlorobenzene  
 Concen: 51.255 ug/l  
 RT: 12.39 min Scan# 1843  
 Delta R.T. -0.00 min  
 Lab File: VX005510.D  
 Acq: 23 Oct 2018 09:53

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RAV-GT104MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.7  | 19.4  | 58.1  |
| 148     | 64.0  | 32.8  | 98.3  |

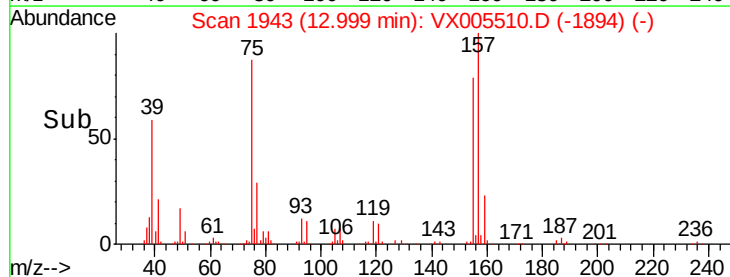
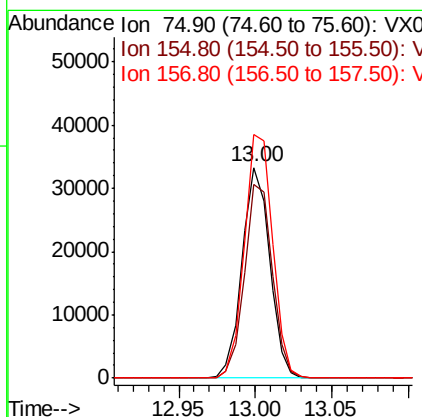
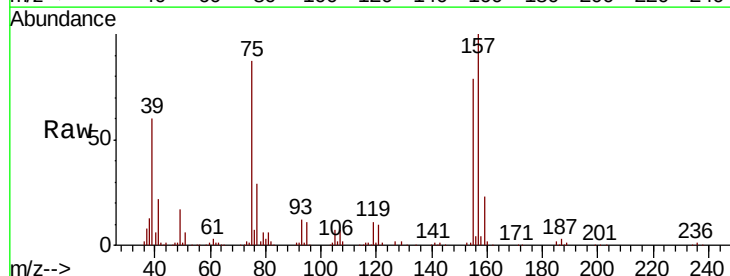
Manual Integrations  
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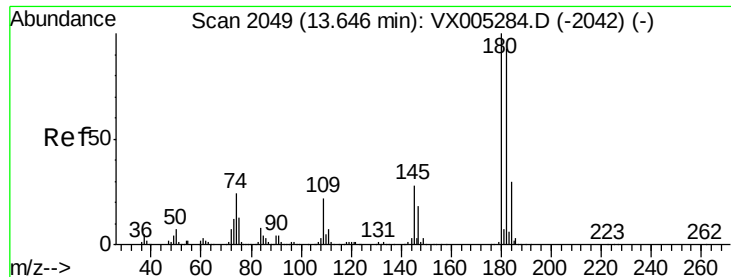
MMDadoda  
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 52.733 ug/l  
 RT: 13.00 min Scan# 1943  
 Delta R.T. -0.00 min  
 Lab File: VX005510.D  
 Acq: 23 Oct 2018 09:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 92.4  | 48.0  | 144.2 |
| 157     | 118.2 | 61.4  | 184.1 |





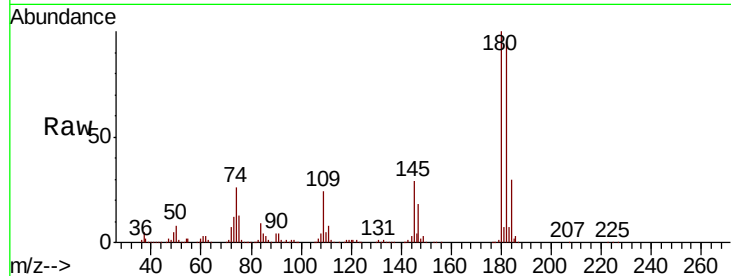
#93  
1,2,4-Trichlorobenzene  
Concen: 50.203 ug/l  
RT: 13.65 min Scan# 2049  
Delta R.T. -0.00 min  
Lab File: VX005510.D  
Acq: 23 Oct 2018 09:53

Instrument :  
MSVOA\_X  
ClientSampleId :  
RAV-GT104MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 173516 |       |       |
| 182     | 95.2  | 48.4   | 145.0 |       |
| 145     | 28.5  | 14.3   | 42.9  |       |

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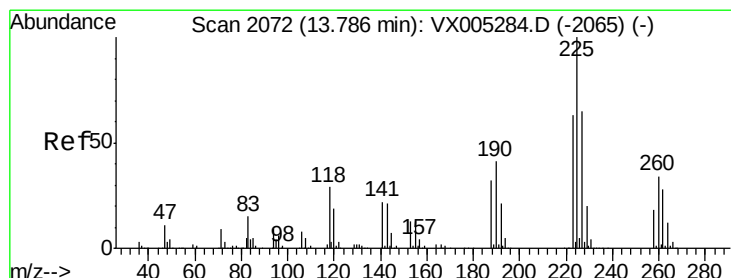
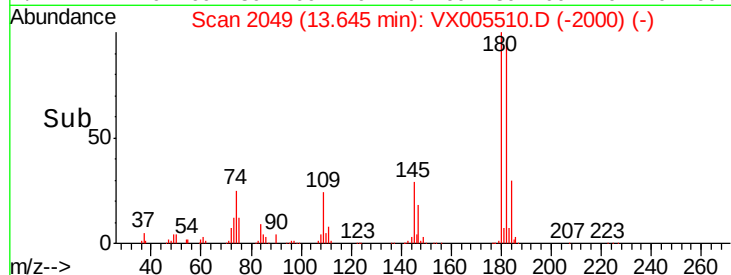
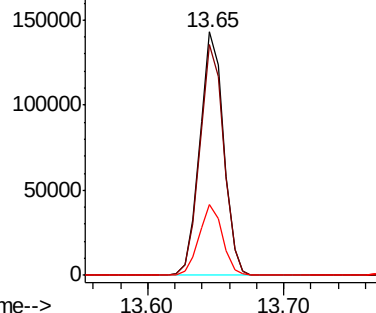


Abundance

Ion 179.80 (179.50 to 180.50): V

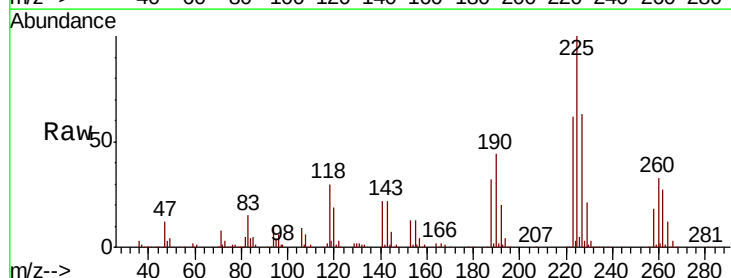
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94  
Hexachlorobutadiene  
Concen: 42.146 ug/l  
RT: 13.79 min Scan# 2072  
Delta R.T. -0.00 min  
Lab File: VX005510.D  
Acq: 23 Oct 2018 09:53

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 76935 |       |       |
| 223     | 61.4  | 30.1  | 90.5  |       |
| 227     | 63.7  | 30.8  | 92.4  |       |

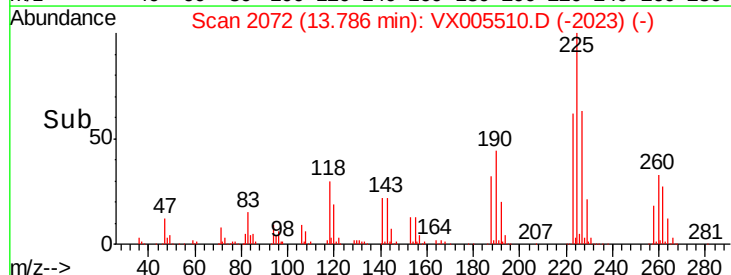
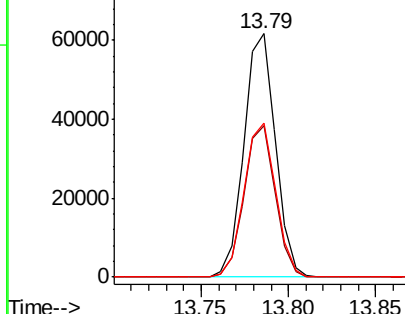


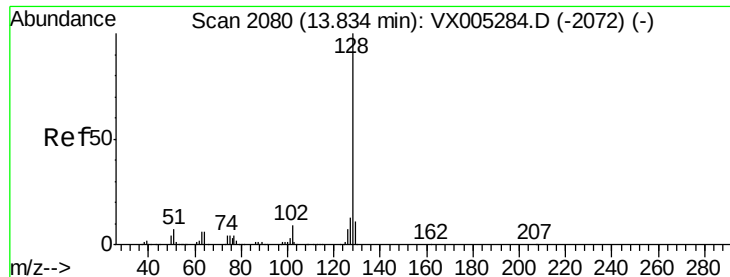
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





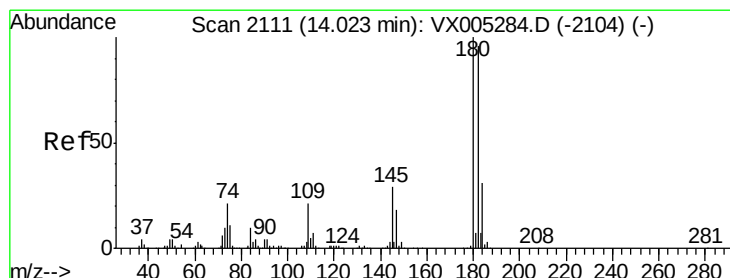
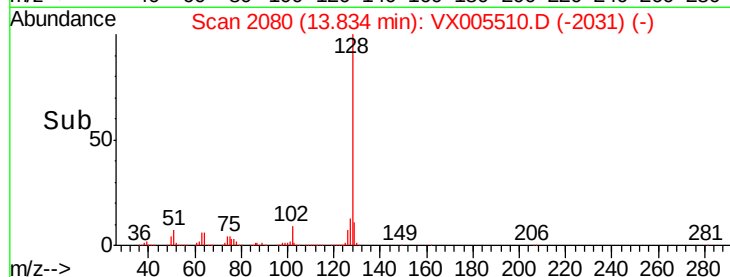
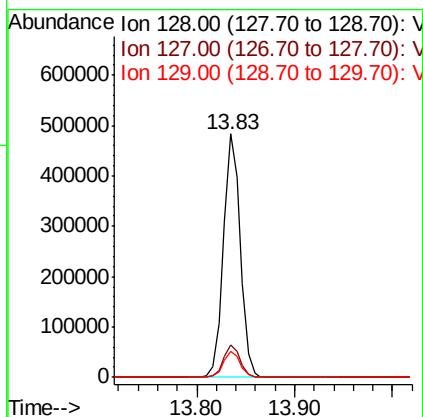
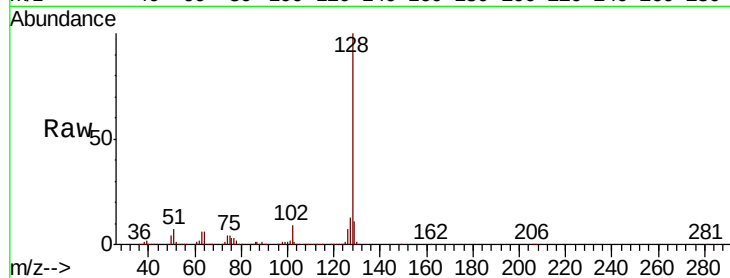
#95  
Naphthalene  
Concen: 57.344 ug/l  
RT: 13.83 min Scan# 2080  
Delta R.T. -0.00 min  
Lab File: VX005510.D  
Acq: 23 Oct 2018 09:53

Instrument :  
MSVOA\_X  
ClientSampleId :  
RAV-GT104MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.0  | 10.2  | 15.2  |
| 129     | 10.9  | 8.6   | 12.8  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 51.429 ug/l  
RT: 14.02 min Scan# 2111  
Delta R.T. -0.00 min  
Lab File: VX005510.D  
Acq: 23 Oct 2018 09:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.4  | 48.5  | 145.6 |
| 145     | 30.4  | 14.9  | 44.9  |

