

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050919\  
 Data File : VX009468.D  
 Acq On : 10 May 2019 07:42  
 Operator : JC/SP  
 Sample : K2782-09MSD  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 56 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS052MW592-190507MSD

Manual Integrations  
 APPROVED

MMDadoda  
 5/10/2019 1:13:02 PM

Quant Time: May 10 09:18:49 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X042919W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 09 07:31:15 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 151808   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 251750   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 230014   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 112917   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.06   | 65  | 105334   | 50.83 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.66% |      |
| 35) Dibromofluoromethane  | 5.50   | 113 | 78938    | 49.88 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.76%  |      |
| 50) Toluene-d8            | 8.71   | 98  | 310854   | 48.65 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.30%  |      |
| 62) 4-Bromofluorobenzene  | 11.13  | 95  | 116334   | 50.11 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.22% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 68217   | 48.764  | ug/l | 100    |
| 3) Chloromethane              | 1.32 | 50  | 100017  | 52.367  | ug/l | 99     |
| 4) Vinyl Chloride             | 1.41 | 62  | 100834  | 54.142  | ug/l | 97     |
| 5) Bromomethane               | 1.64 | 94  | 60676   | 54.280  | ug/l | 96     |
| 6) Chloroethane               | 1.71 | 64  | 67282   | 56.269  | ug/l | 99     |
| 7) Trichlorofluoromethane     | 1.93 | 101 | 124966  | 55.201  | ug/l | 98     |
| 8) Diethyl Ether              | 2.19 | 74  | 57923   | 54.015  | ug/l | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.38 | 101 | 74243   | 52.224  | ug/l | 99     |
| 10) Methyl Iodide             | 2.51 | 142 | 92490   | 55.444  | ug/l | 100    |
| 11) Tert butyl alcohol        | 3.05 | 59  | 123380  | 257.202 | ug/l | 100    |
| 12) 1,1-Dichloroethene        | 2.37 | 96  | 79828   | 56.043  | ug/l | 98     |
| 13) Acrolein                  | 2.29 | 56  | 104763  | 241.149 | ug/l | 100    |
| 14) Allyl chloride            | 2.73 | 41  | 177922  | 51.256  | ug/l | 99     |
| 15) Acrylonitrile             | 3.14 | 53  | 314242  | 267.918 | ug/l | 99     |
| 16) Acetone                   | 2.44 | 43  | 271309  | 243.813 | ug/l | 98     |
| 17) Carbon Disulfide          | 2.57 | 76  | 225302  | 56.338  | ug/l | 100    |
| 18) Methyl Acetate            | 2.77 | 43  | 117556  | 44.421  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 3.20 | 73  | 301806  | 54.563  | ug/l | 98     |
| 20) Methylene Chloride        | 2.85 | 84  | 94539   | 52.471  | ug/l | 99     |
| 21) trans-1,2-Dichloroethene  | 3.17 | 96  | 85112   | 55.097  | ug/l | 98     |
| 22) Diisopropyl ether         | 3.85 | 45  | 363738  | 54.487  | ug/l | 99     |
| 23) Vinyl Acetate             | 3.81 | 43  | 1433418 | 250.754 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 3.70 | 63  | 177279  | 53.832  | ug/l | 100    |
| 25) 2-Butanone                | 4.67 | 43  | 458114  | 264.925 | ug/l | 100    |
| 26) 2,2-Dichloropropane       | 4.59 | 77  | 84281   | 34.383  | ug/l | 96     |
| 27) cis-1,2-Dichloroethene    | 4.59 | 96  | 99570   | 54.001  | ug/l | 95     |
| 28) Bromochloromethane        | 5.02 | 49  | 65553   | 49.417  | ug/l | 99     |
| 29) Tetrahydrofuran           | 5.13 | 42  | 306762  | 275.680 | ug/l | 99     |
| 30) Chloroform                | 5.21 | 83  | 164728  | 55.306  | ug/l | 99     |
| 31) Cyclohexane               | 5.58 | 56  | 168853  | 55.111  | ug/l | 99     |
| 32) 1,1,1-Trichloroethane     | 5.49 | 97  | 135599  | 54.689  | ug/l | 100    |
| 36) 1,1-Dichloropropene       | 5.80 | 75  | 123664  | 52.858  | ug/l | 99     |
| 37) Ethyl Acetate             | 4.83 | 43  | 155294  | 47.641  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 5.78 | 117 | 113728  | 53.503  | ug/l | 98     |

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 Sample : K2782-09MSD  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 56 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS052MW592-190507MSD

Manual Integrations  
 APPROVED

MMDadoda  
 5/10/2019 1:13:02 PM

Quant Time: May 10 09:18:49 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X042919W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 09 07:31:15 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 147871   | 51.466  | ug/l   | 100      |
| 40) Benzene                    | 6.14  | 78   | 388575   | 53.667  | ug/l   | 100      |
| 41) Methacrylonitrile          | 5.04  | 41   | 97862    | 50.434  | ug/l   | 98       |
| 42) 1,2-Dichloroethane         | 6.19  | 62   | 140313   | 54.023  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 6.44  | 43   | 259635   | 49.795  | ug/l   | 100      |
| 44) Trichloroethene            | 7.21  | 130  | 92371    | 52.771  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 7.51  | 63   | 109875   | 53.592  | ug/l   | 98       |
| 46) Dibromomethane             | 7.66  | 93   | 63167    | 53.056  | ug/l   | 98       |
| 47) Bromodichloromethane       | 7.90  | 83   | 126422   | 53.233  | ug/l   | 99       |
| 48) Methyl methacrylate        | 7.77  | 41   | 140293   | 54.234  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 7.74  | 88   | 47526    | 905.945 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 8.64  | 43   | 911663   | 267.507 | ug/l   | 100      |
| 52) Toluene                    | 8.78  | 92   | 238152   | 54.109  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 138137   | 51.519  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 150330   | 50.654  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 95697    | 53.295  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 9.18  | 69   | 171055   | 53.367  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 168780   | 53.414  | ug/l   | 100      |
| 59) 2-Hexanone                 | 9.49  | 43   | 715007   | 267.132 | ug/l   | 99       |
| 60) Dibromochloromethane       | 9.58  | 129  | 95180    | 54.272  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 97788    | 53.951  | ug/l   | 100      |
| 64) Tetrachloroethene          | 9.34  | 164  | 80855    | 51.246  | ug/l   | 99       |
| 65) Chlorobenzene              | 10.14 | 112  | 242558   | 52.715  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 10.22 | 131  | 89649    | 53.741  | ug/l   | 98       |
| 67) Ethyl Benzene              | 10.25 | 91   | 450598   | 53.211  | ug/l   | 99       |
| 68) m/p-Xylenes                | 10.36 | 106  | 332118   | 107.324 | ug/l   | 100      |
| 69) o-Xylene                   | 10.69 | 106  | 162545   | 53.237  | ug/l   | 99       |
| 70) Stvrene                    | 10.71 | 104  | 284934   | 53.693  | ug/l   | 99       |
| 71) Bromoform                  | 10.85 | 173  | 73475    | 54.200  | ug/l # | 100      |
| 73) Isopropylbenzene           | 11.02 | 105  | 427287   | 52.037  | ug/l   | 99       |
| 74) N-amyl acetate             | 10.90 | 43   | 228075   | 47.643  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 161690   | 52.822  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 11.29 | 75   | 135736m  | 51.822  | ug/l   |          |
| 77) Bromobenzene               | 11.26 | 156  | 108880   | 53.424  | ug/l   | 98       |
| 78) n-propylbenzene            | 11.36 | 91   | 490806   | 52.338  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 297776   | 51.469  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 361892   | 52.343  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 46826    | 45.742  | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 339493   | 51.942  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 11.77 | 119  | 355062   | 52.791  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 365606   | 52.683  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 11.94 | 105  | 410733   | 51.510  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 372889   | 52.018  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 189544   | 52.170  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 190925   | 52.124  | ug/l   | 100      |
| 89) n-Butylbenzene             | 12.38 | 91   | 327015   | 50.472  | ug/l   | 99       |
| 90) Hexachloroethane           | 12.60 | 117  | 63706    | 52.164  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 194674   | 52.607  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75   | 35994    | 52.418  | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene     | 13.65 | 180  | 133222   | 52.645  | ug/l   | 99       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050919\  
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Acq On : 10 May 2019 07:42  
Operator : JC/SP  
Sample : K2782-09MSD  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 56 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS052MW592-190507MSD

Manual Integrations  
APPROVED

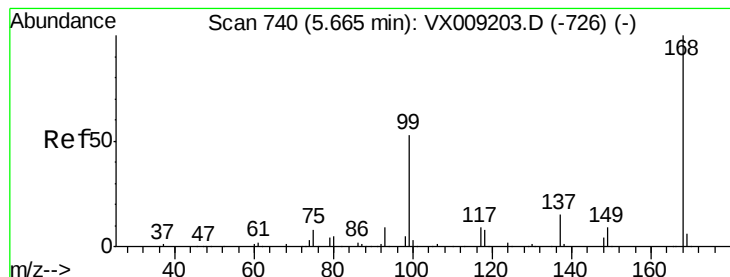
MMDadoda  
5/10/2019 1:13:02 PM

Quant Time: May 10 09:18:49 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X042919W.M  
Quant Title : SW846 8260  
QLast Update : Thu May 09 07:31:15 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 94) Hexachlorobutadiene    | 13.78 | 225  | 64148    | 49.640 | ug/l  | 99       |
| 95) Naphthalene            | 13.83 | 128  | 437693   | 53.163 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 134283   | 52.349 | ug/l  | 99       |

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





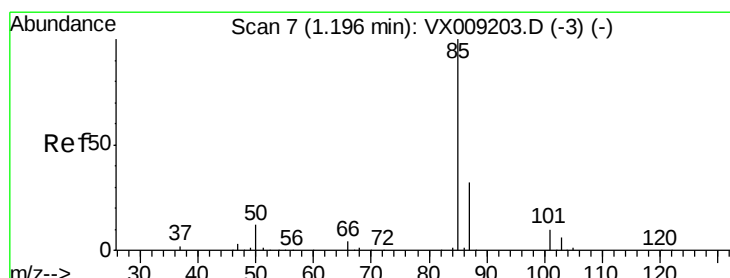
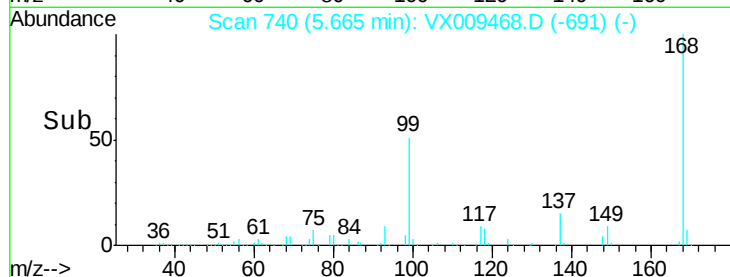
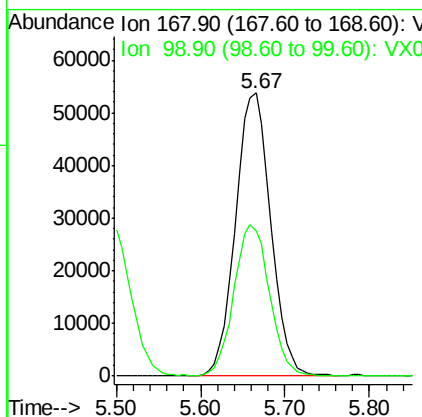
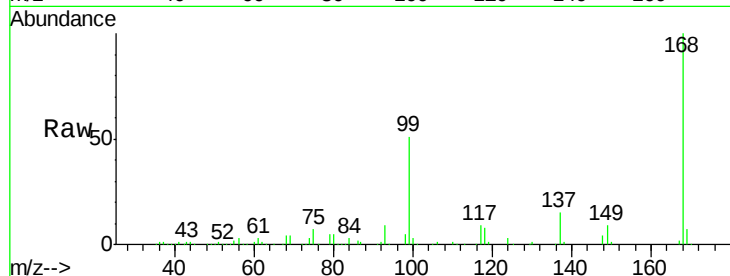
#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.67 min Scan# 740  
Delta R.T. 0.00 min  
Lab File: VX009468.D  
Acq: 10 May 2019 07:42

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS052MW592-190507MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 99      | 51.1  | 42.3  | 63.5  |

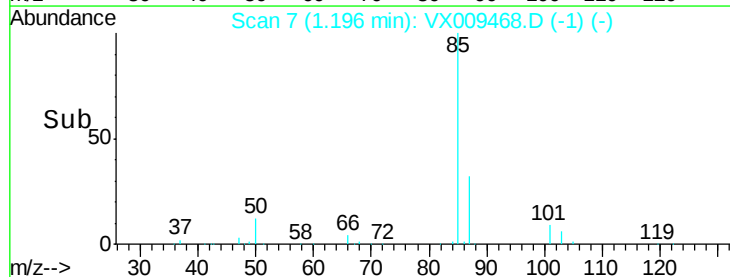
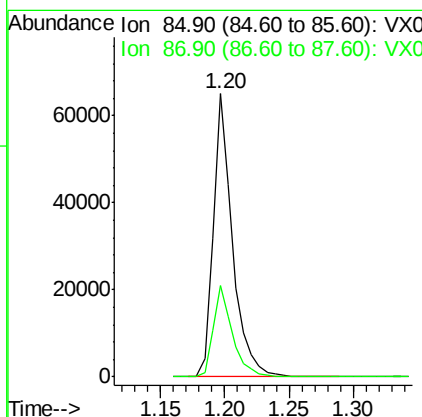
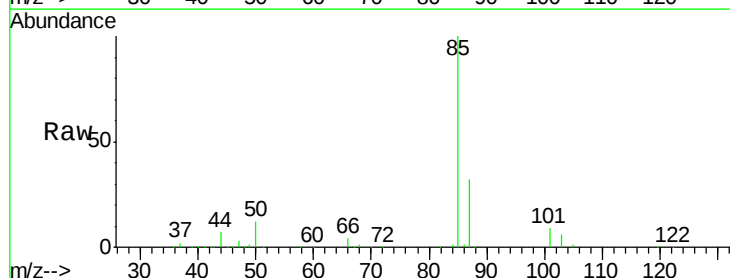
Manual Integrations  
APPROVED

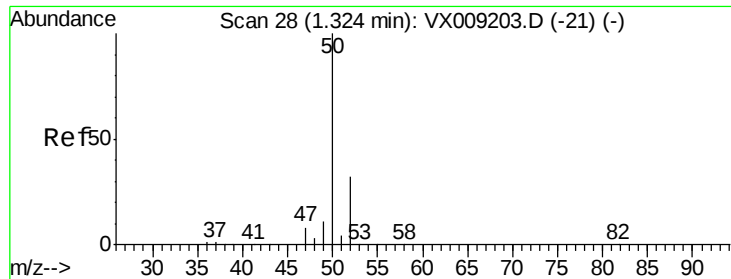
MMDadoda  
5/10/2019 1:13:02 PM



#2  
Dichlorodifluoromethane  
Concen: 48.764 ug/l  
RT: 1.20 min Scan# 7  
Delta R.T. 0.00 min  
Lab File: VX009468.D  
Acq: 10 May 2019 07:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 85      | 100   |       |       |
| 87      | 32.1  | 16.1  | 48.3  |





#3

Chloromethane

Concen: 52.367 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009468.D

Acq: 10 May 2019 07:42

Instrument :

MSVOA\_X

ClientSampleId :

SS052MW592-190507MSD

Tot Ion: 50 Resp: 100017

Ion Ratio Lower Upper

50 100

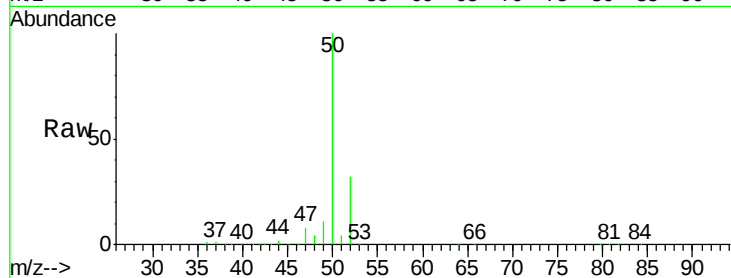
52 31.9 25.9 38.9

Manual Integrations

APPROVED

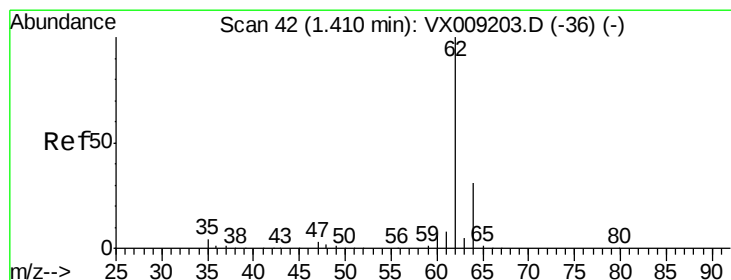
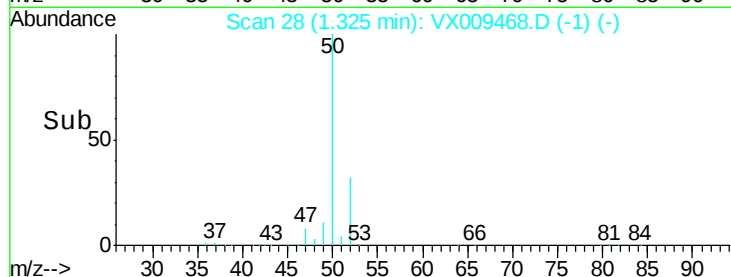
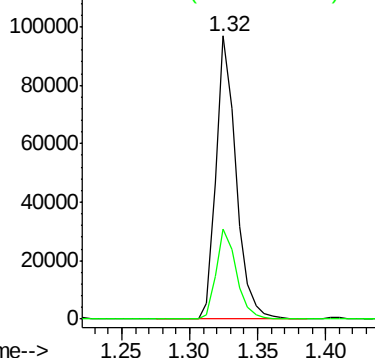
MMDadoda

5/10/2019 1:13:02 PM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 54.142 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009468.D

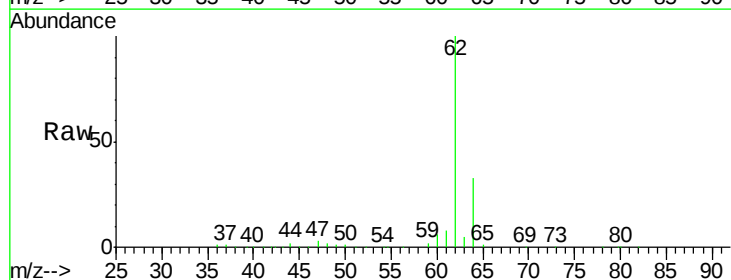
Acq: 10 May 2019 07:42

Tgt Ion: 62 Resp: 100834

Ion Ratio Lower Upper

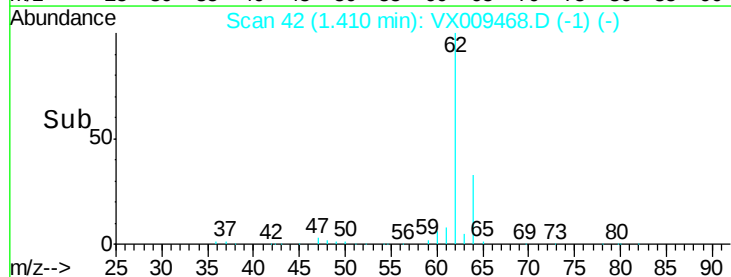
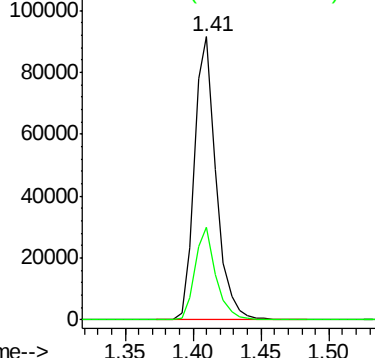
62 100

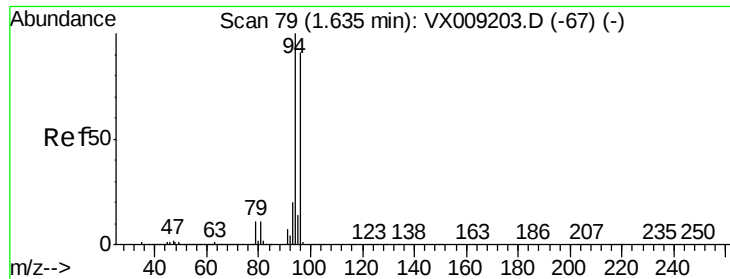
64 32.6 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 54.280 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009468.D

Acq: 10 May 2019 07:42

Instrument :

MSVOA\_X

ClientSampleId :

SS052MW592-190507MSD

Tot Ion: 94 Resp: 60676

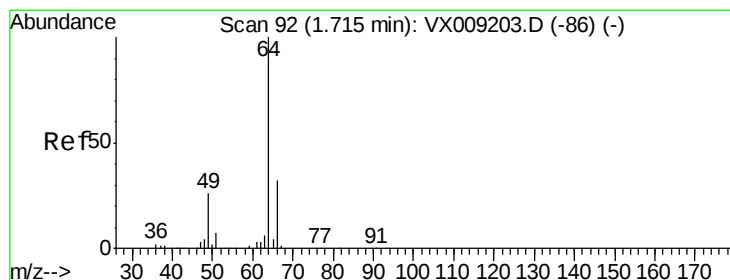
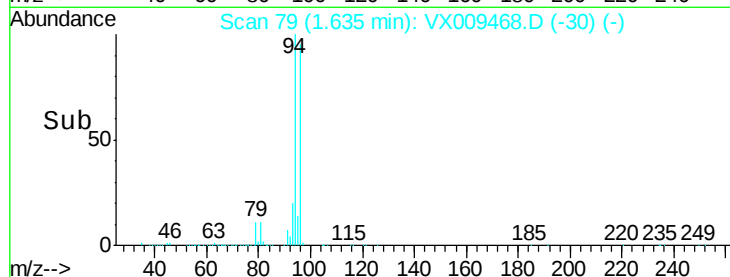
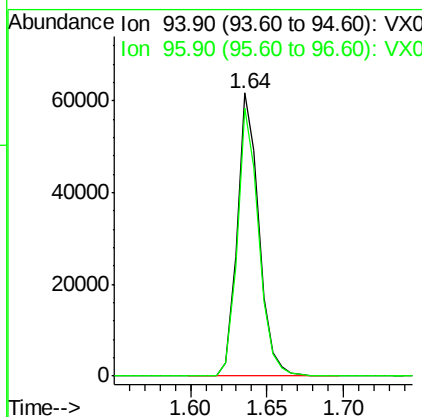
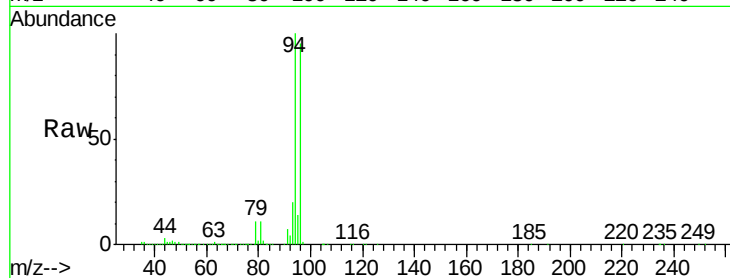
Ion Ratio Lower Upper

94 100

96 95.0 73.0 109.6

Manual Integrations  
APPROVED

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5/10/2019 1:13:02 PM



#6

Chloroethane

Concen: 56.269 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX009468.D

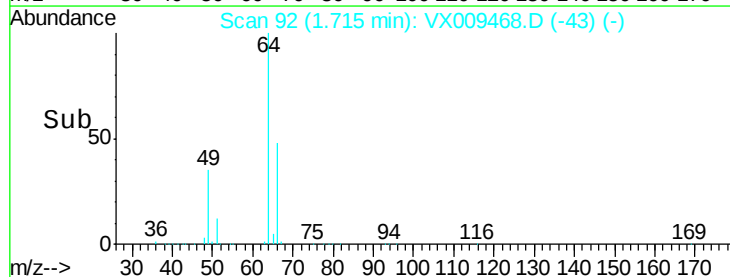
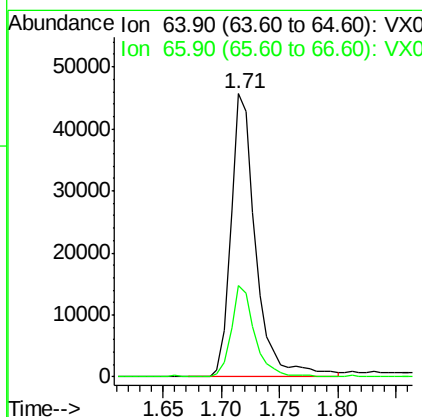
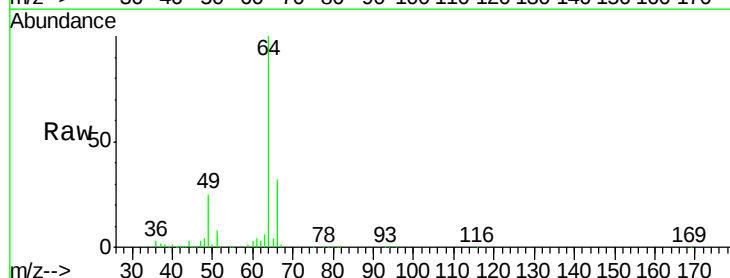
Acq: 10 May 2019 07:42

Tgt Ion: 64 Resp: 67282

Ion Ratio Lower Upper

64 100

66 32.4 25.3 37.9





#7

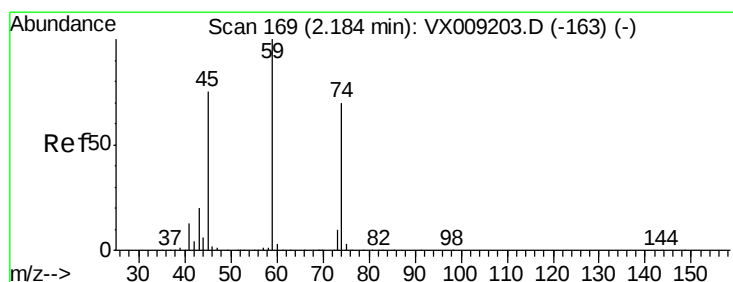
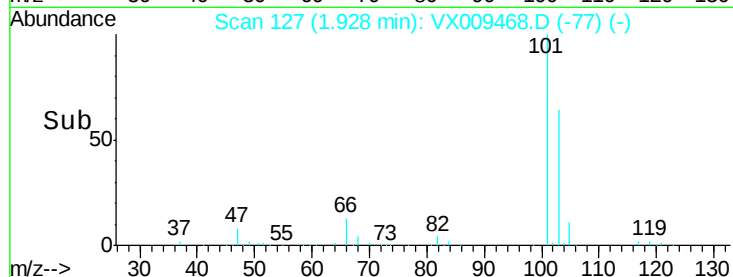
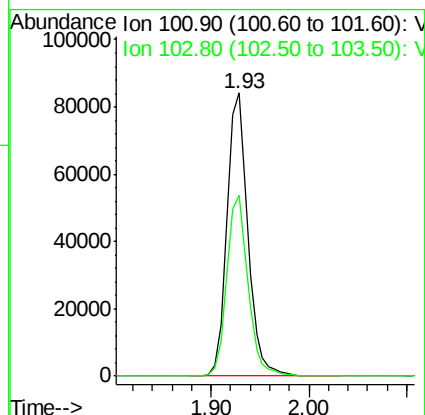
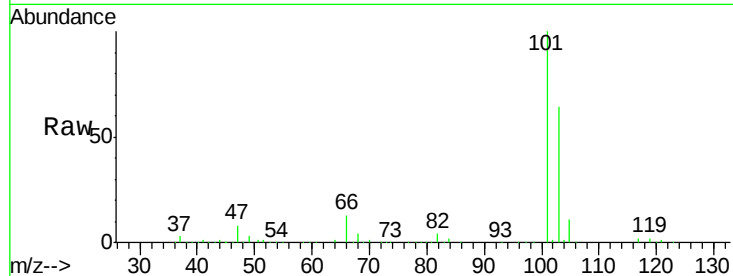
Trichlorofluoromethane  
Concen: 55.201 ug/l  
RT: 1.93 min Scan# 127  
Delta R.T. 0.01 min  
Lab File: VX009468.D  
Acq: 10 May 2019 07:42

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS052MW592-190507MSD

Tot Ion:101 Resp: 124966  
Ion Ratio Lower Upper  
101 100  
103 64.1 52.4 78.6

Manual Integrations  
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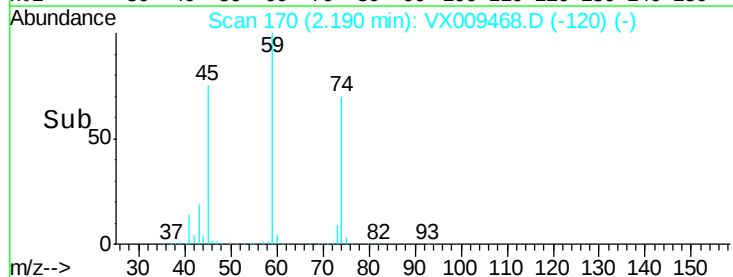
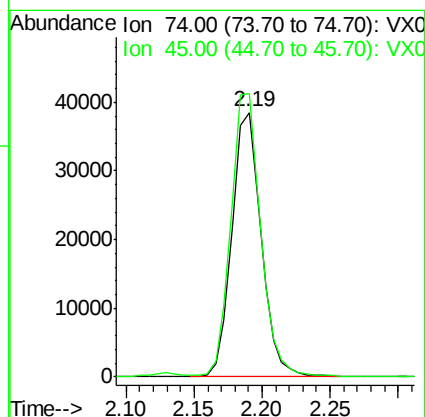
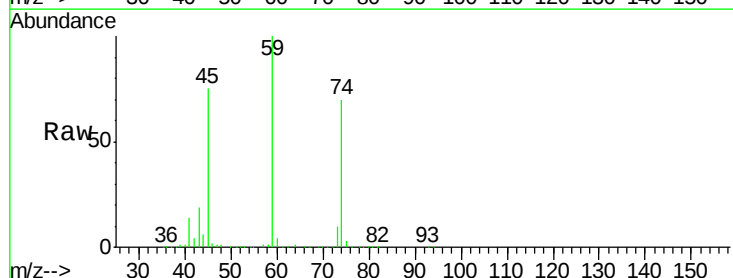
MMDadoda  
5/10/2019 1:13:02 PM



#8

Diethyl Ether  
Concen: 54.015 ug/l  
RT: 2.19 min Scan# 170  
Delta R.T. 0.01 min  
Lab File: VX009468.D  
Acq: 10 May 2019 07:42

Tgt Ion: 74 Resp: 57923  
Ion Ratio Lower Upper  
74 100  
45 107.8 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.224 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009468.D

Acq: 10 May 2019 07:42

Instrument :

MSVOA\_X

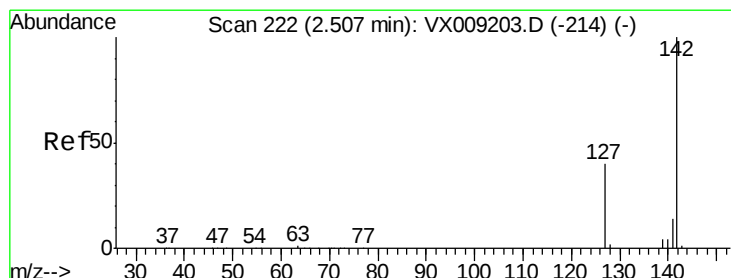
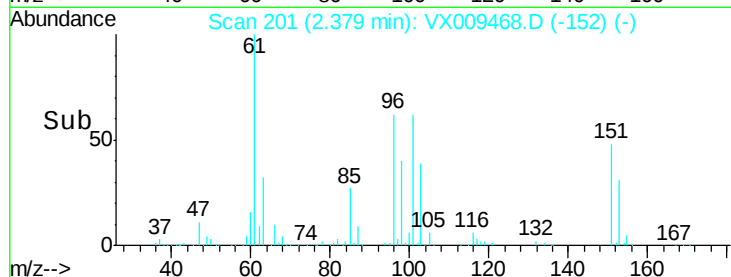
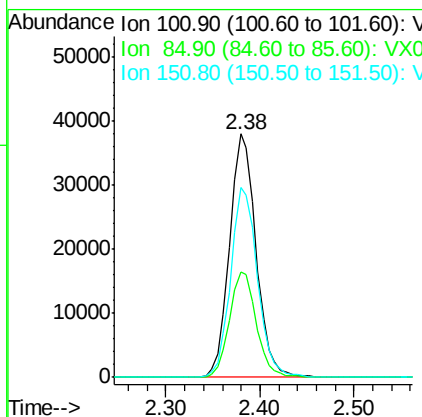
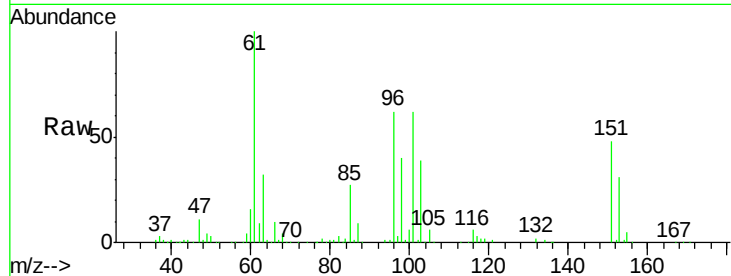
ClientSampleId :

SS052MW592-190507MSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 74243 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 44.0  | 35.7  | 53.5  |
| 151       | 78.8  | 62.2  | 93.2  |

Manual Integrations  
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#10

Methyl Iodide

Concen: 55.444 ug/l

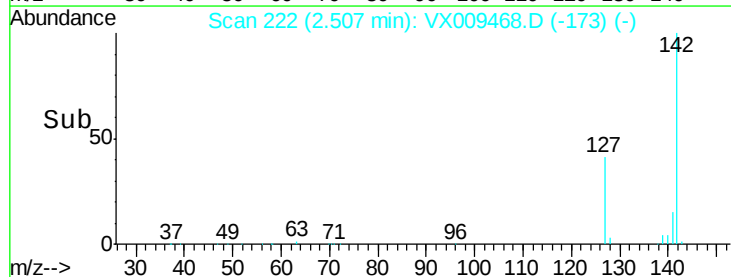
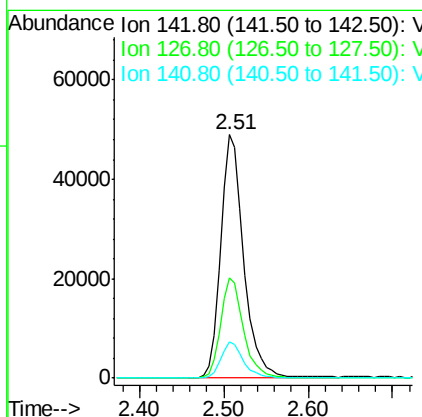
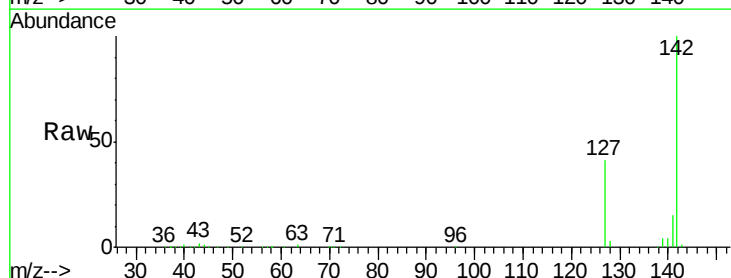
RT: 2.51 min Scan# 222

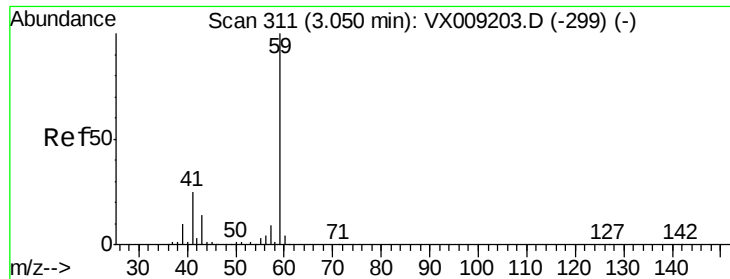
Delta R.T. 0.00 min

Lab File: VX009468.D

Acq: 10 May 2019 07:42

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 92490 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 41.2  | 32.7  | 49.1  |
| 141       | 14.5  | 11.5  | 17.3  |





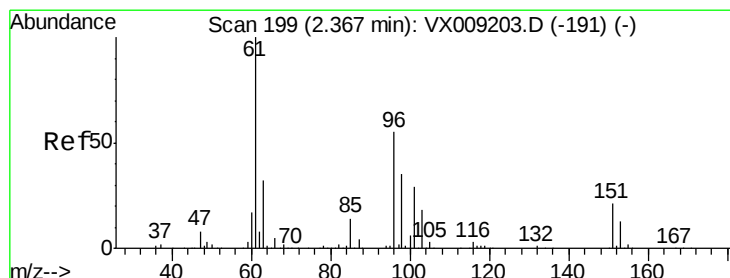
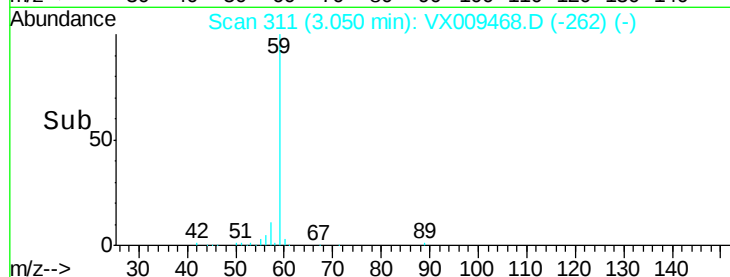
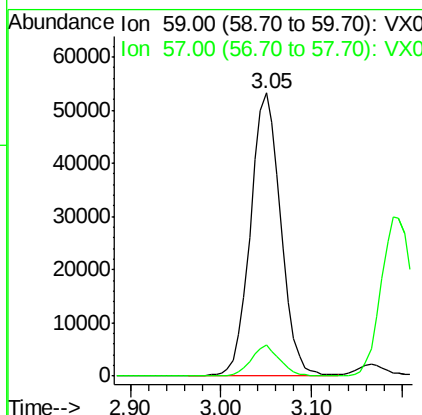
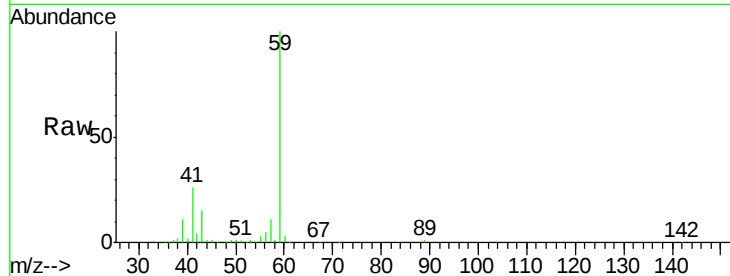
#11  
Tert butyl alcohol  
Concen: 257.202 ug/l  
RT: 3.05 min Scan# 311  
Delta R.T. 0.00 min  
Lab File: VX009468.D  
Acq: 10 May 2019 07:42

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS052MW592-190507MSD

| Tot Ion   | 59   | Resp  | 123380 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 57        | 10.3 | 8.2   | 12.2   |

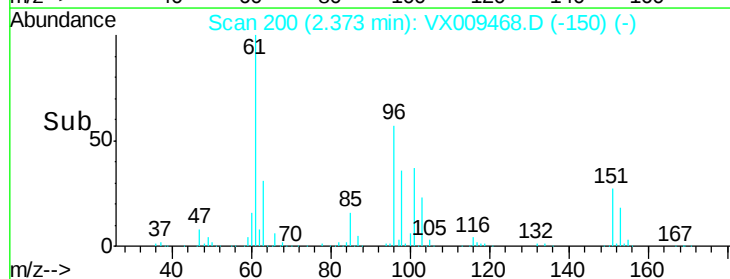
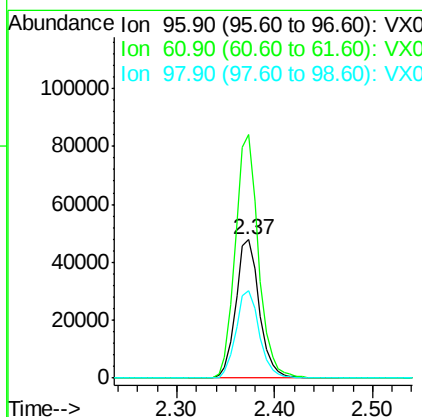
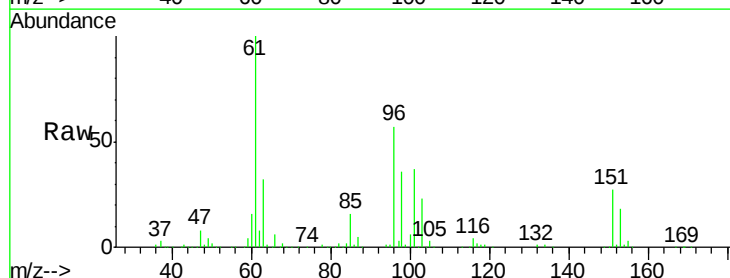
Manual Integrations  
APPROVED

MMDadoda  
5/10/2019 1:13:02 PM



#12  
1,1-Dichloroethene  
Concen: 56.043 ug/l  
RT: 2.37 min Scan# 200  
Delta R.T. 0.01 min  
Lab File: VX009468.D  
Acq: 10 May 2019 07:42

| Tgt Ion   | 96    | Resp  | 79828 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 61        | 176.3 | 144.3 | 216.5 |
| 98        | 63.7  | 50.3  | 75.5  |





#13

Acrolein

Concen: 241.149 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009468.D

Acq: 10 May 2019 07:42

Instrument :

MSVOA\_X

ClientSampleId :

SS052MW592-190507MSD

Tot Ion: 56 Resp: 104763

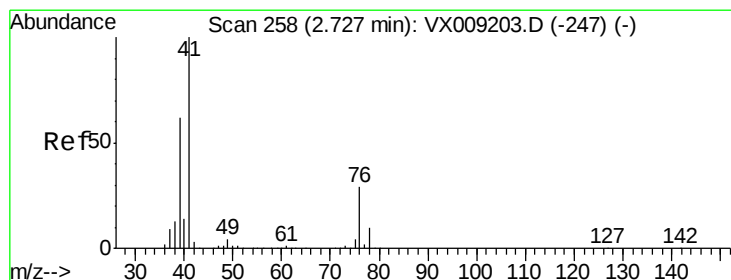
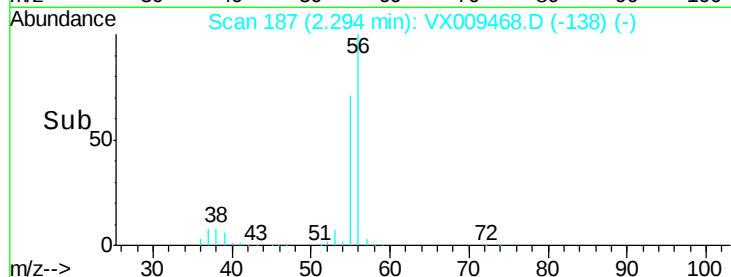
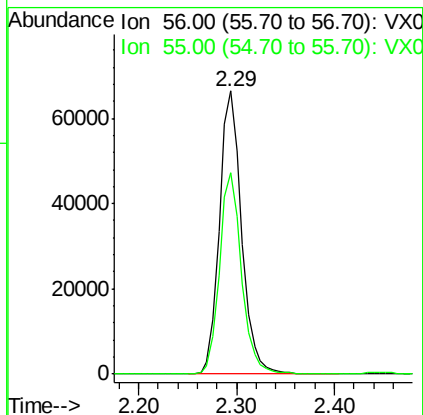
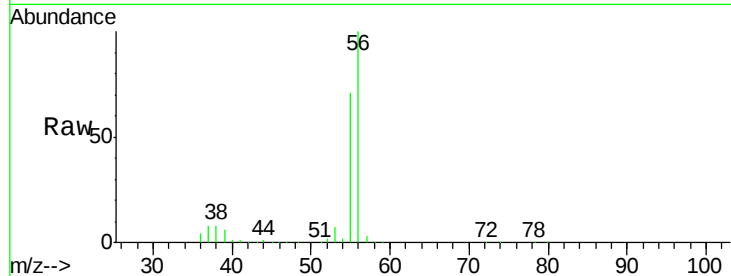
Ion Ratio Lower Upper

56 100

55 70.6 56.6 85.0

Manual Integrations  
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MMDadoda  
5/10/2019 1:13:02 PM



#14

Allyl chloride

Concen: 51.256 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX009468.D

Acq: 10 May 2019 07:42

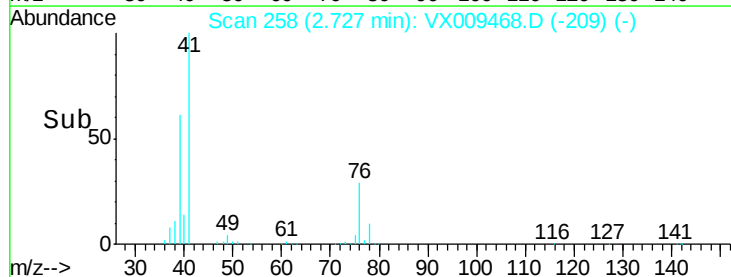
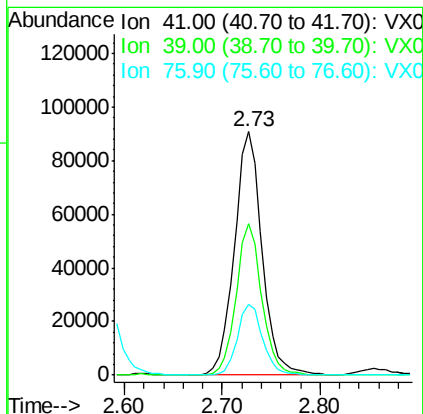
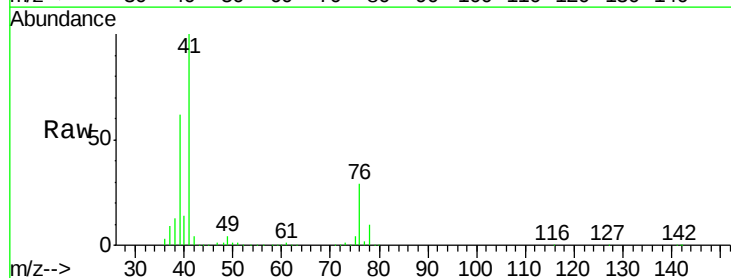
Tgt Ion: 41 Resp: 177922

Ion Ratio Lower Upper

41 100

39 57.8 46.7 70.1

76 26.6 21.8 32.8





#15

Acrylonitrile

Concen: 267.918 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009468.D

Acq: 10 May 2019 07:42

Instrument :

MSVOA\_X

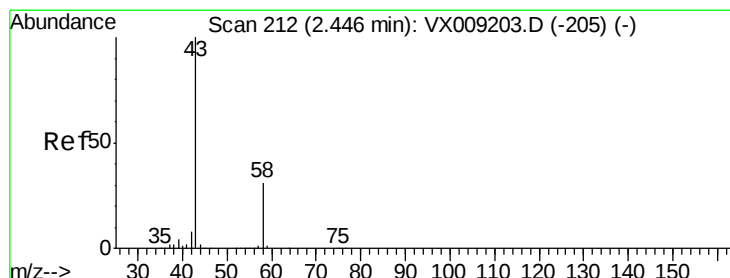
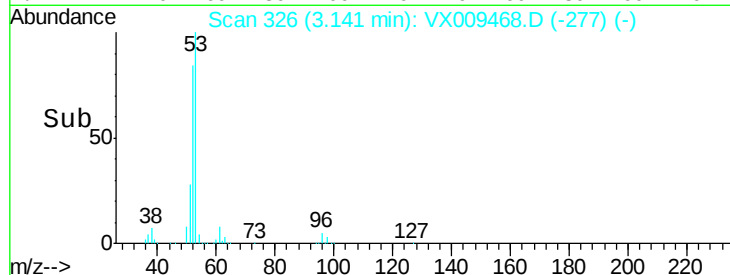
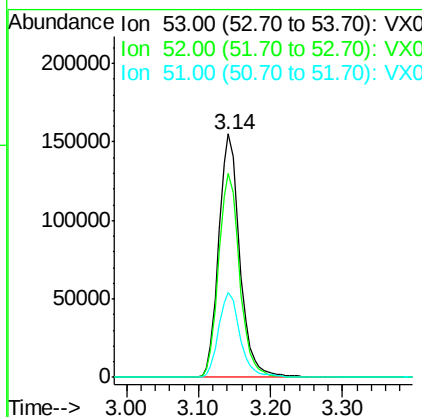
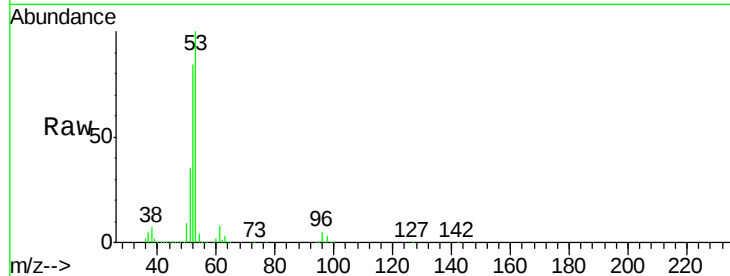
ClientSampleId :

SS052MW592-190507MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 314242 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 84.1  | 66.9  | 100.3  |
| 51       | 35.6  | 28.2  | 42.2   |

Manual Integrations  
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5/10/2019 1:13:02 PM



#16

Acetone

Concen: 243.813 ug/l

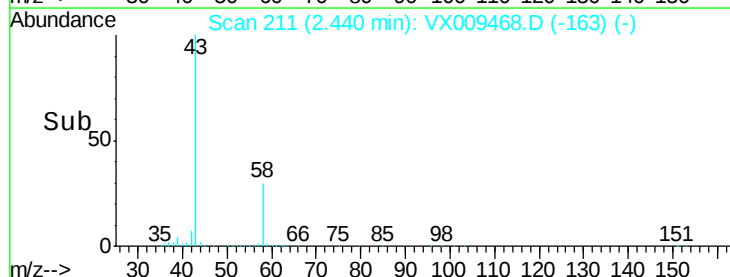
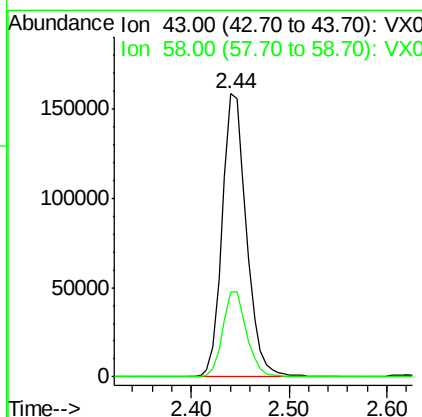
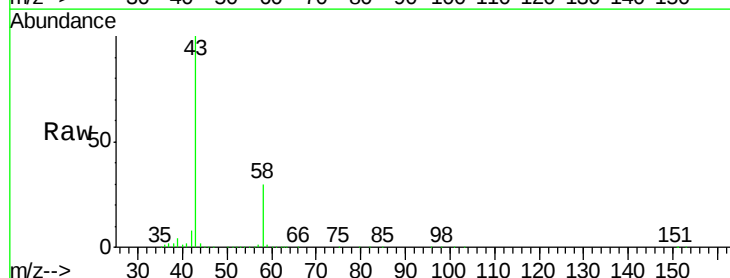
RT: 2.44 min Scan# 211

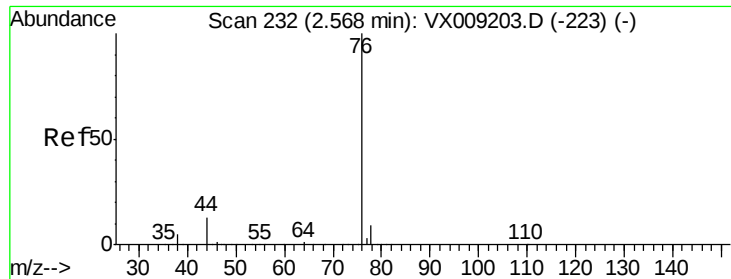
Delta R.T. -0.01 min

Lab File: VX009468.D

Acq: 10 May 2019 07:42

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 271309 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 29.8  | 24.9  | 37.3   |





#17

Carbon Disulfide

Concen: 56.338 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009468.D

Acq: 10 May 2019 07:42

Instrument :

MSVOA\_X

ClientSampleId :

SS052MW592-190507MSD

Tot Ion: 76 Resp: 225302

Ion Ratio Lower Upper

76 100

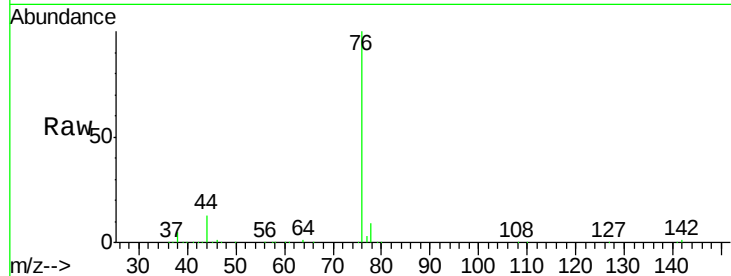
78 9.2 7.4 11.0

Manual Integrations

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MMDadoda

5/10/2019 1:13:02 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

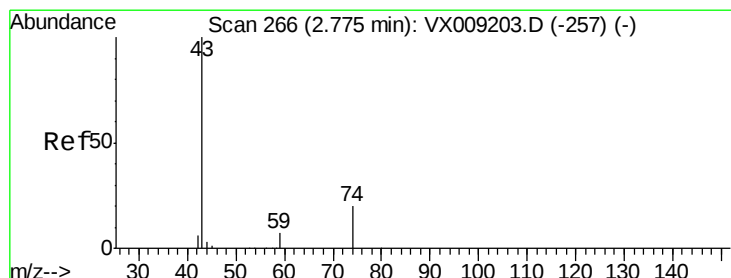
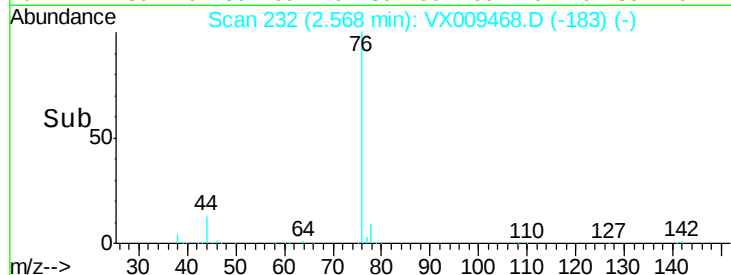
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 44.421 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX009468.D

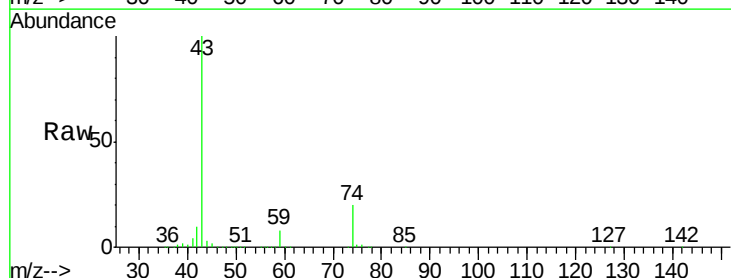
Acq: 10 May 2019 07:42

Tgt Ion: 43 Resp: 117556

Ion Ratio Lower Upper

43 100

74 20.9 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.77

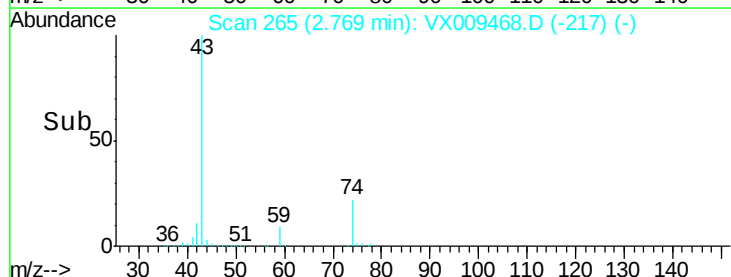
60000

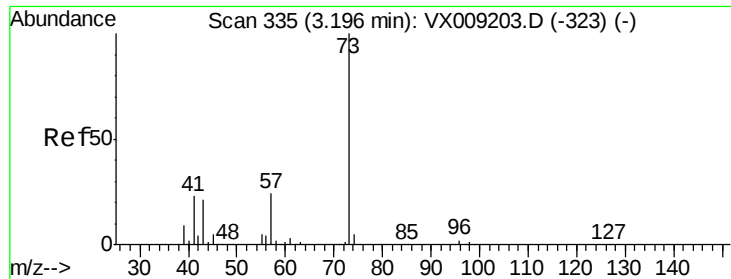
40000

20000

0

Time-->





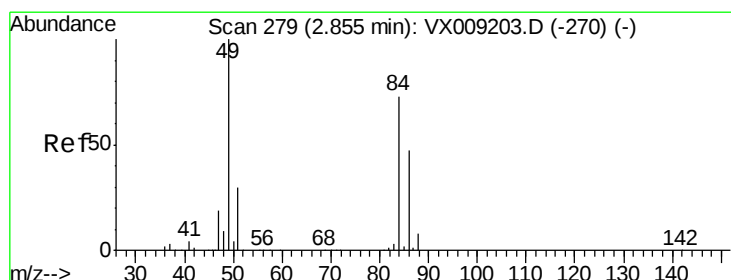
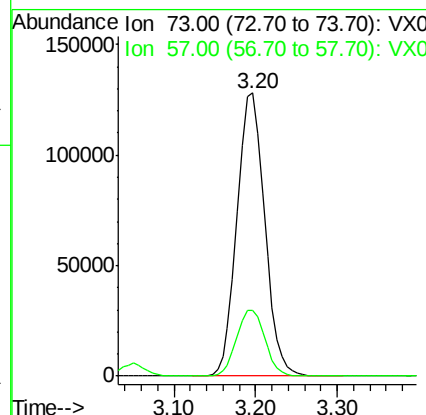
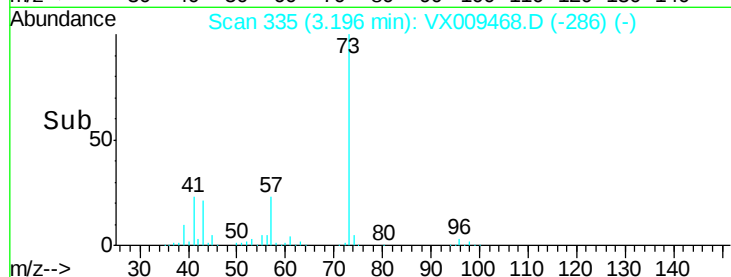
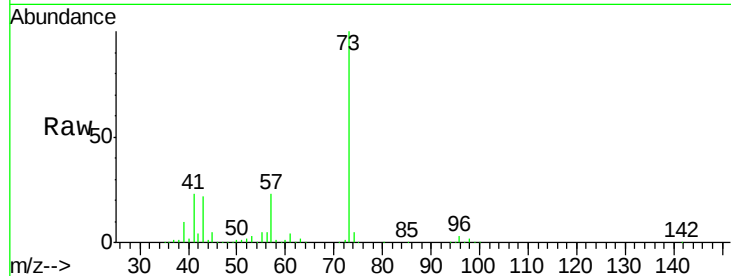
#19  
Methyl tert-butyl Ether  
Concen: 54.563 ug/l  
RT: 3.20 min Scan# 335  
Delta R.T. 0.00 min  
Lab File: VX009468.D  
Acq: 10 May 2019 07:42

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS052MW592-190507MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 23.2  | 19.3  | 28.9  |

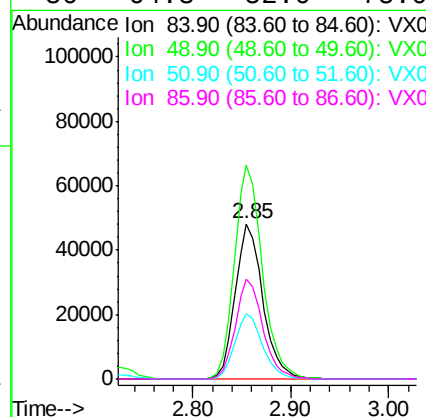
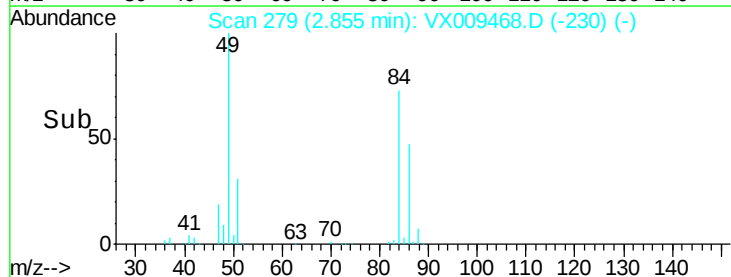
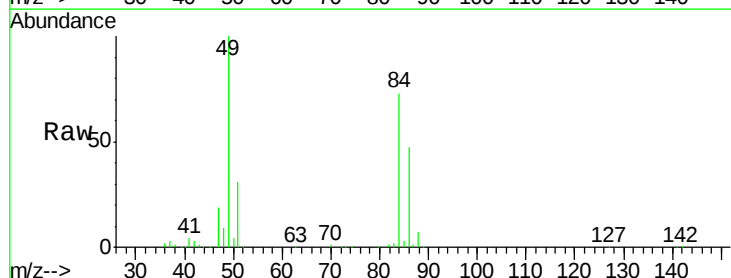
Manual Integrations  
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5/10/2019 1:13:02 PM



#20  
Methylene Chloride  
Concen: 52.471 ug/l  
RT: 2.85 min Scan# 279  
Delta R.T. 0.00 min  
Lab File: VX009468.D  
Acq: 10 May 2019 07:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 137.6 | 109.9 | 164.9 |
| 51      | 42.4  | 32.7  | 49.1  |
| 86      | 64.3  | 52.0  | 78.0  |





#21

trans-1,2-Dichloroethene

Concen: 55.097 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009468.D

Acq: 10 May 2019 07:42

Instrument :

MSVOA\_X

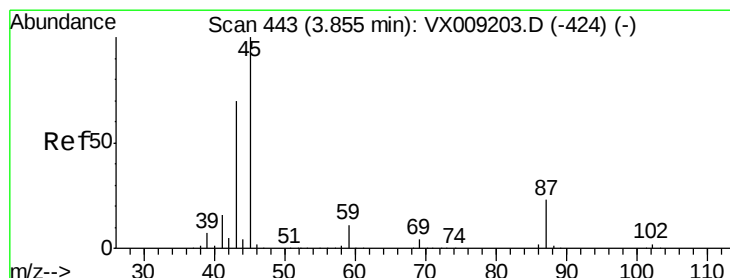
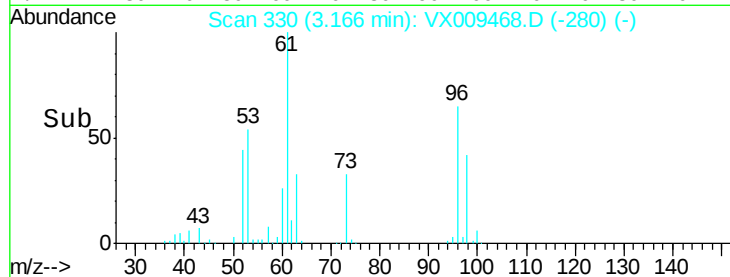
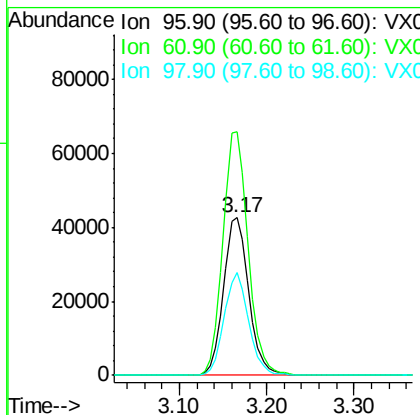
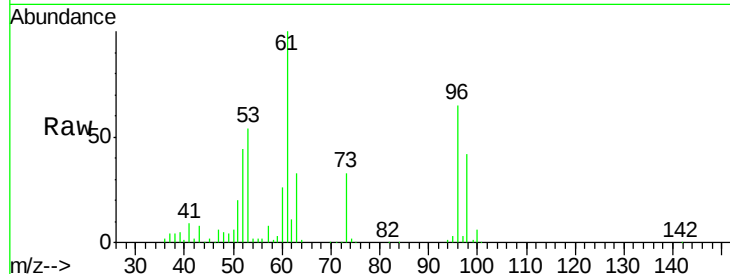
ClientSampleId :

SS052MW592-190507MSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 85112 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 154.2 | 124.5 | 186.7 |
| 98       | 65.3  | 50.4  | 75.6  |

Manual Integrations  
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MMDadoda  
5/10/2019 1:13:02 PM



#22

Diisopropyl ether

Concen: 54.487 ug/l

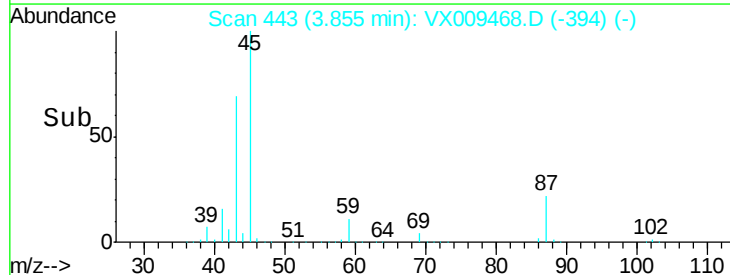
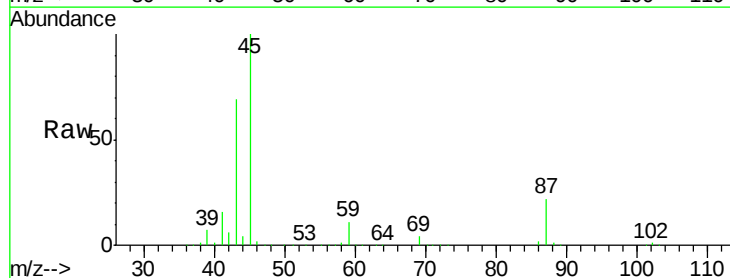
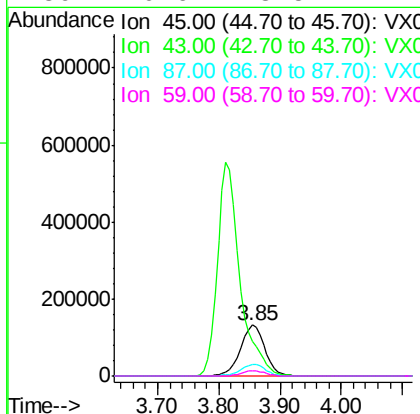
RT: 3.85 min Scan# 443

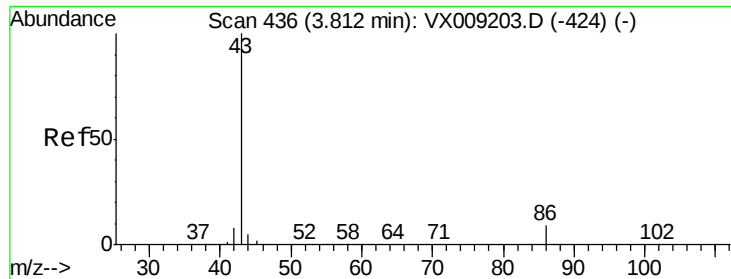
Delta R.T. 0.00 min

Lab File: VX009468.D

Acq: 10 May 2019 07:42

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 363738 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 68.6  | 56.1  | 84.1   |
| 87       | 22.1  | 18.1  | 27.1   |
| 59       | 10.6  | 8.5   | 12.7   |





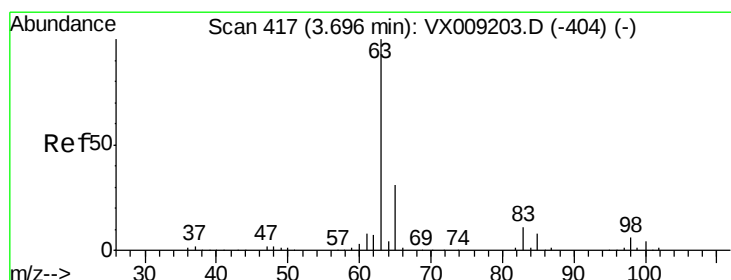
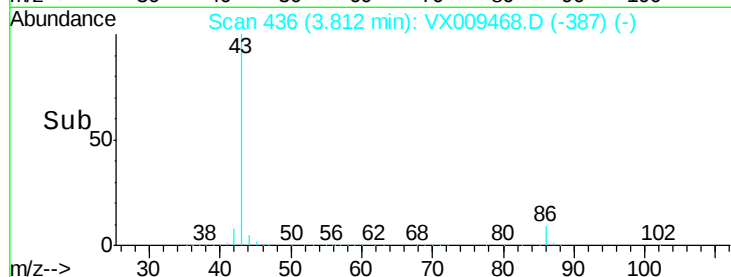
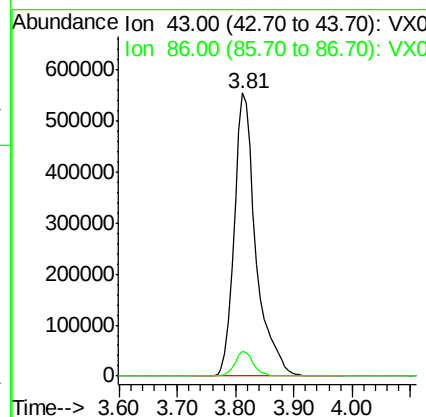
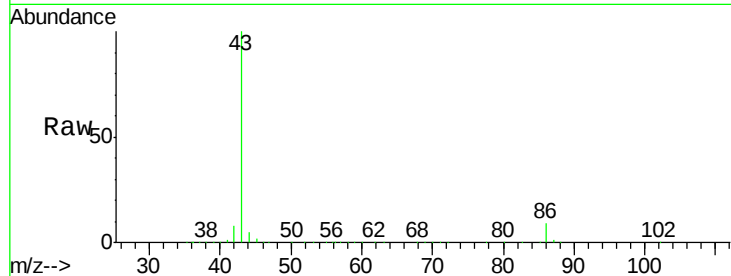
#23  
 Vinyl Acetate  
 Concen: 250.754 ug/l  
 RT: 3.81 min Scan# 436  
 Delta R.T. 0.00 min  
 Lab File: VX009468.D  
 Acq: 10 May 2019 07:42

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS052MW592-190507MSD

Tot Ion: 43 Resp: 1433418  
 Ion Ratio Lower Upper  
 43 100  
 86 8.6 6.9 10.3

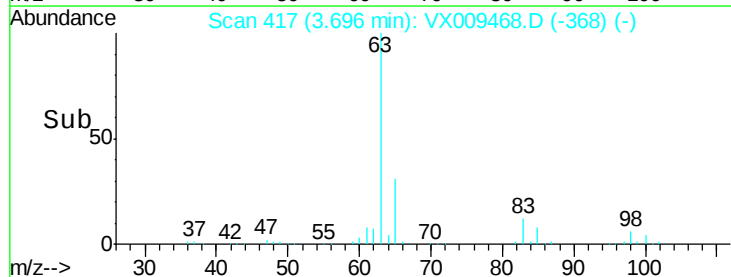
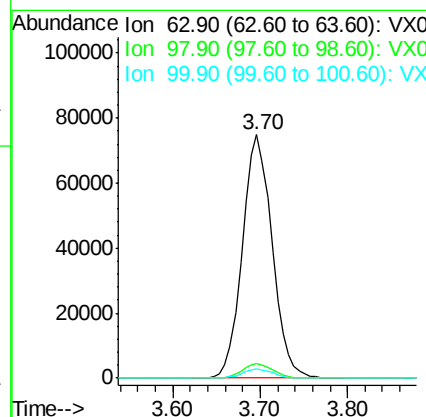
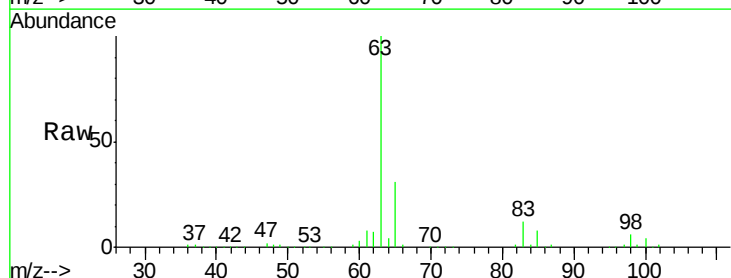
Manual Integrations  
 APPROVED

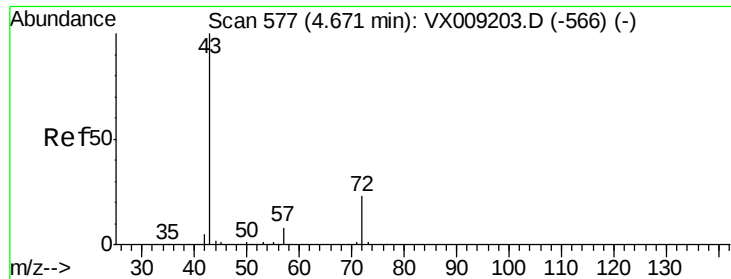
MMDadoda  
 5/10/2019 1:13:02 PM



#24  
 1,1-Dichloroethane  
 Concen: 53.832 ug/l  
 RT: 3.70 min Scan# 417  
 Delta R.T. 0.00 min  
 Lab File: VX009468.D  
 Acq: 10 May 2019 07:42

Tgt Ion: 63 Resp: 177279  
 Ion Ratio Lower Upper  
 63 100  
 98 6.0 3.0 9.2  
 100 4.0 2.0 6.0





#25

2-Butanone

Concen: 264.925 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX009468.D

Acq: 10 May 2019 07:42

Instrument :

MSVOA\_X

ClientSampleId :

SS052MW592-190507MSD

Tot Ion: 43 Resp: 458114

Ion Ratio Lower Upper

43 100

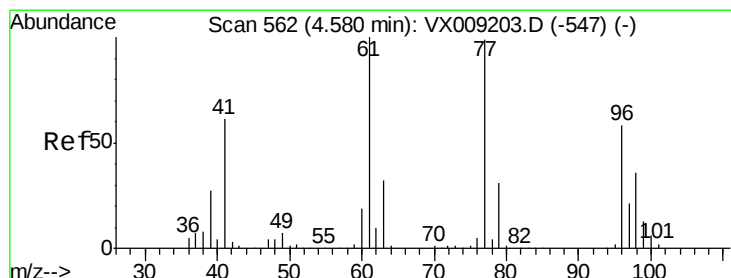
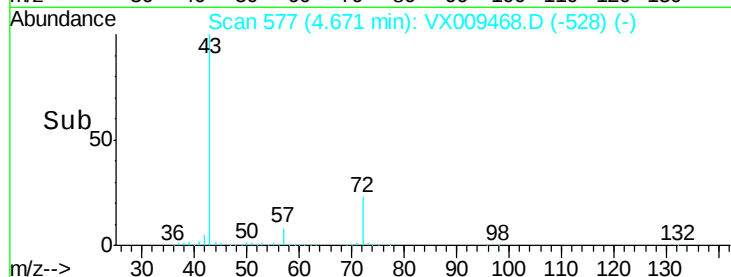
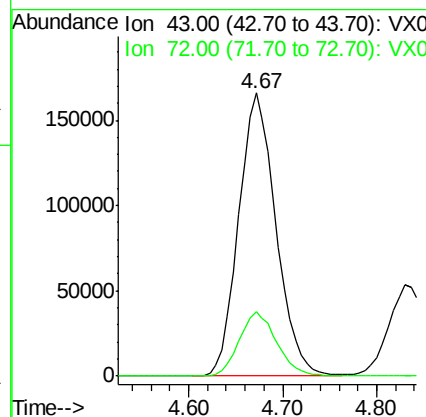
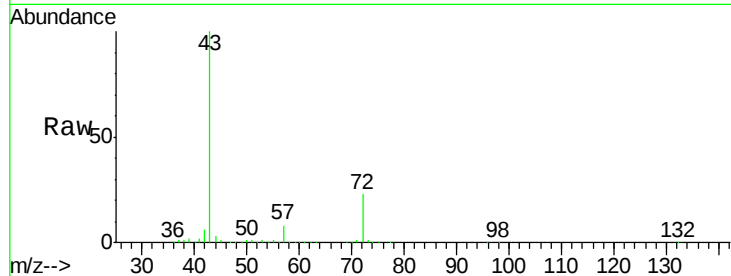
72 22.6 18.2 27.2

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#26

2,2-Dichloropropane

Concen: 34.383 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009468.D

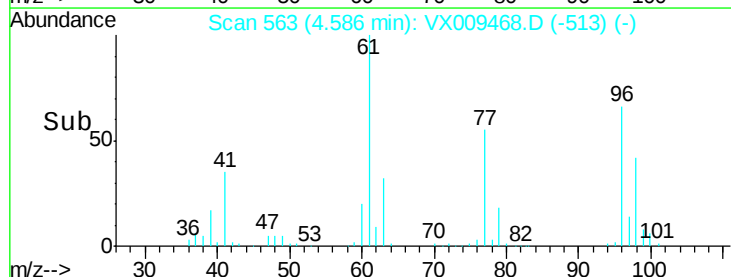
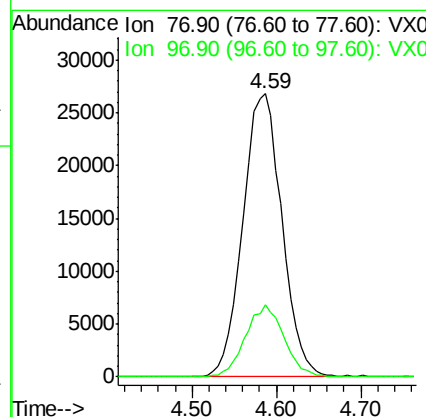
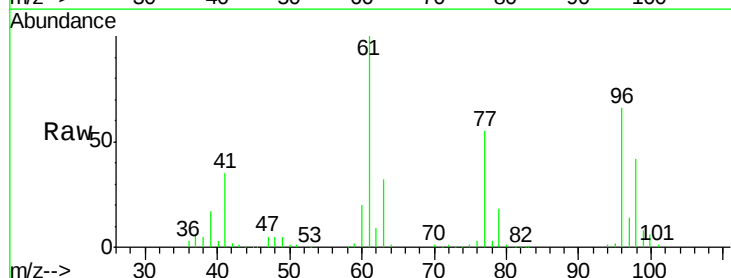
Acq: 10 May 2019 07:42

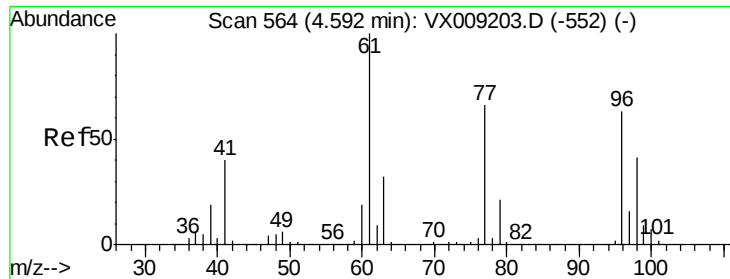
Tgt Ion: 77 Resp: 84281

Ion Ratio Lower Upper

77 100

97 24.9 11.5 34.4





#27

cis-1,2-Dichloroethene

Concen: 54.001 ug/l

RT: 4.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VX009468.D

Acq: 10 May 2019 07:42

Instrument :

MSVOA\_X

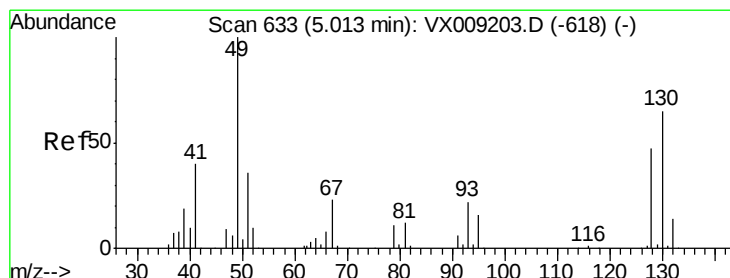
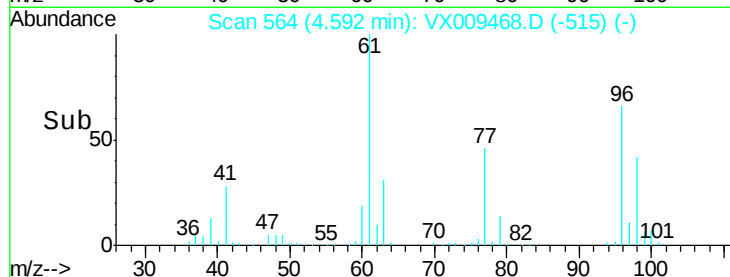
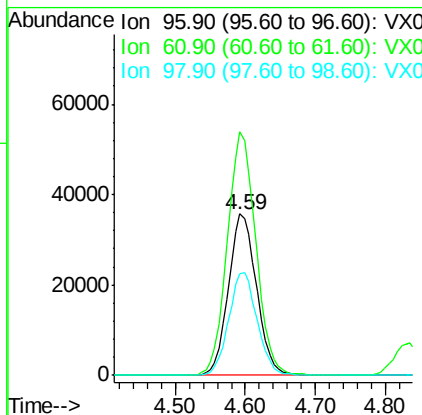
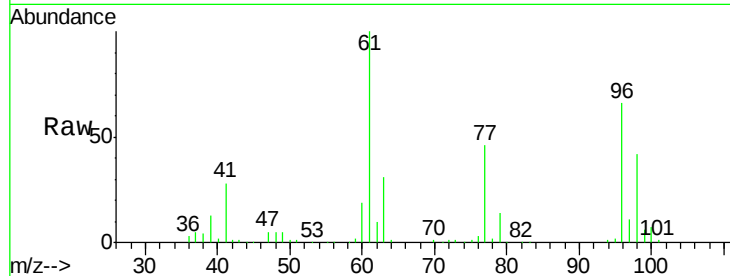
ClientSampleId :

SS052MW592-190507MSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 99570 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 153.6 | 0.0   | 324.0 |
| 98       | 64.4  | 0.0   | 130.4 |

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#28

Bromochloromethane

Concen: 49.417 ug/l

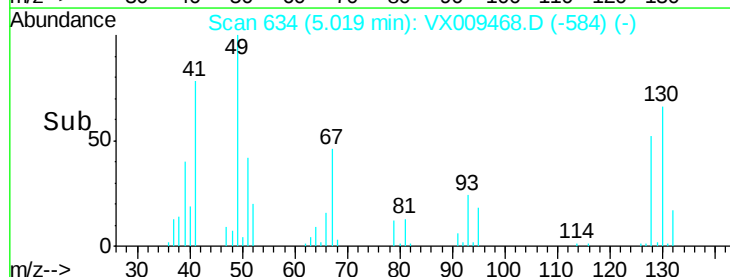
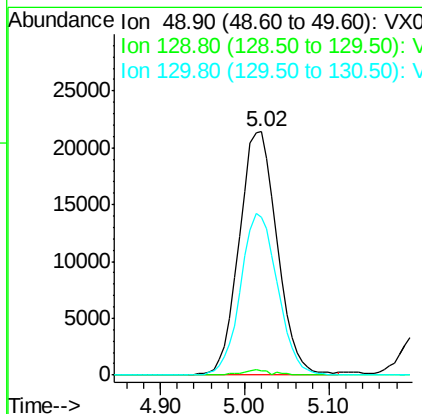
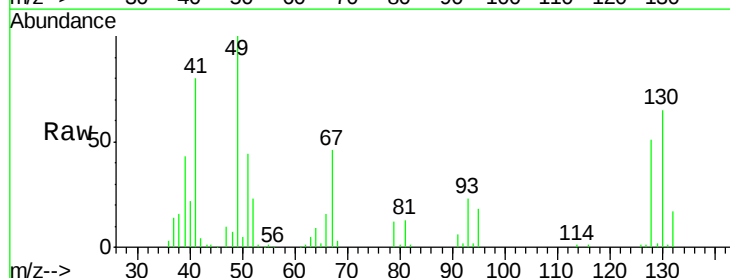
RT: 5.02 min Scan# 634

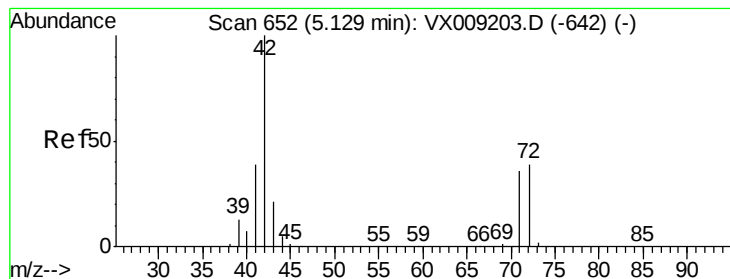
Delta R.T. 0.01 min

Lab File: VX009468.D

Acq: 10 May 2019 07:42

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 49    | Resp: | 65553 |
| Ion      | Ratio | Lower | Upper |
| 49       | 100   |       |       |
| 129      | 1.3   | 0.0   | 3.8   |
| 130      | 64.6  | 51.2  | 76.8  |





#29

Tetrahydrofuran

Concen: 275.680 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX009468.D

Acq: 10 May 2019 07:42

Instrument :

MSVOA\_X

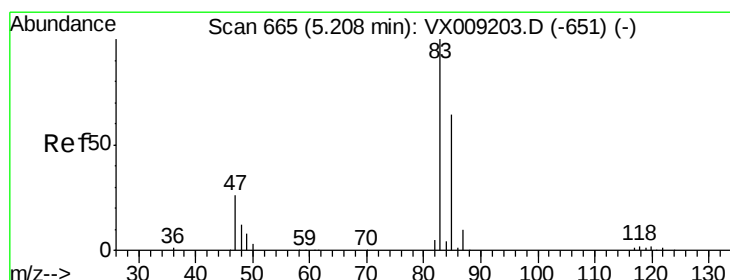
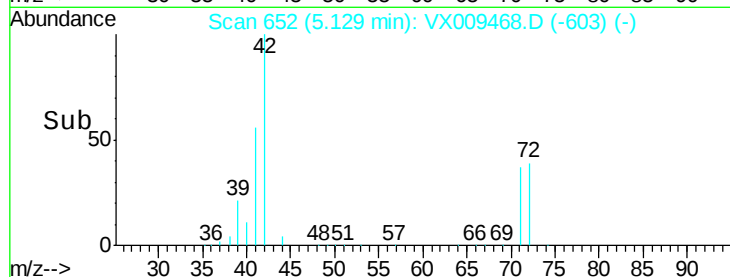
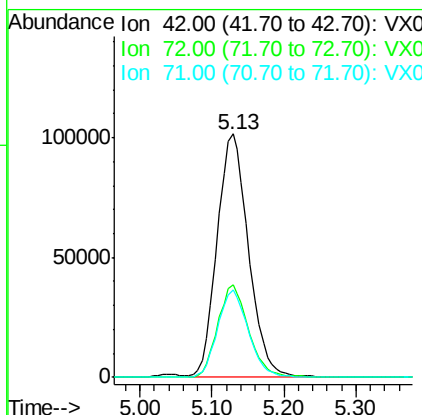
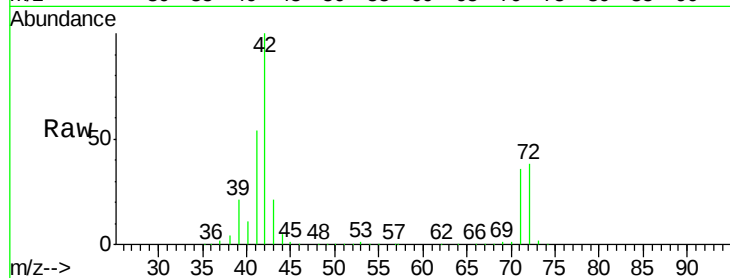
ClientSampleId :

SS052MW592-190507MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 42    | Resp: | 306762 |
| Ion      | Ratio | Lower | Upper  |
| 42       | 100   |       |        |
| 72       | 37.8  | 30.4  | 45.6   |
| 71       | 35.3  | 28.6  | 43.0   |

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#30

Chloroform

Concen: 55.306 ug/l

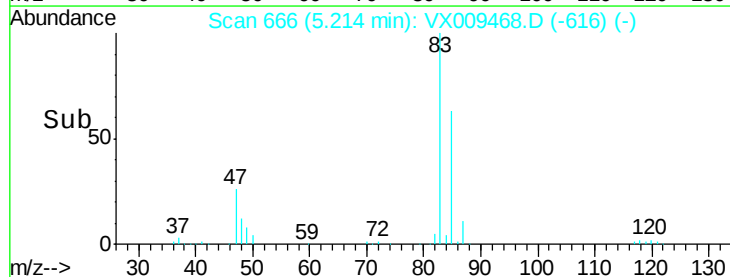
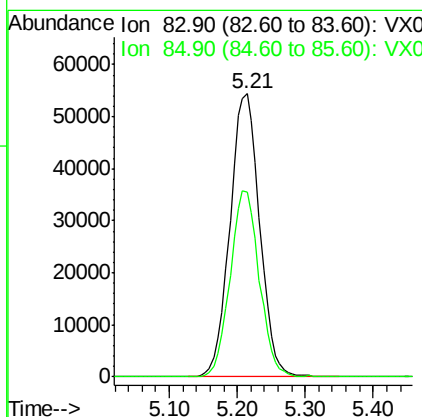
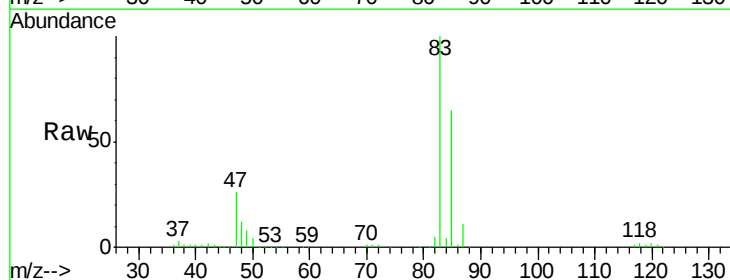
RT: 5.21 min Scan# 666

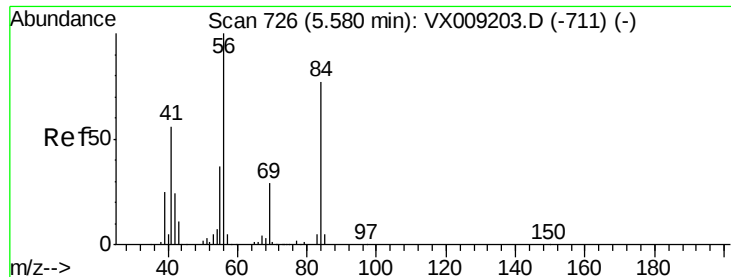
Delta R.T. 0.01 min

Lab File: VX009468.D

Acq: 10 May 2019 07:42

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 164728 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 65.5  | 51.5  | 77.3   |





#31

Cyclohexane

Concen: 55.111 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX009468.D

Acq: 10 May 2019 07:42

Instrument :

MSVOA\_X

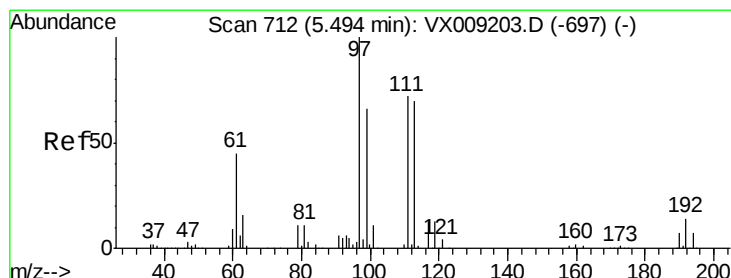
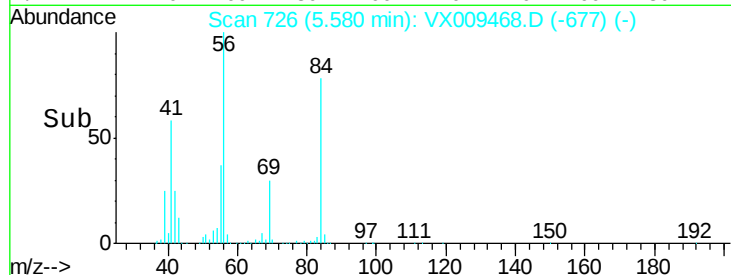
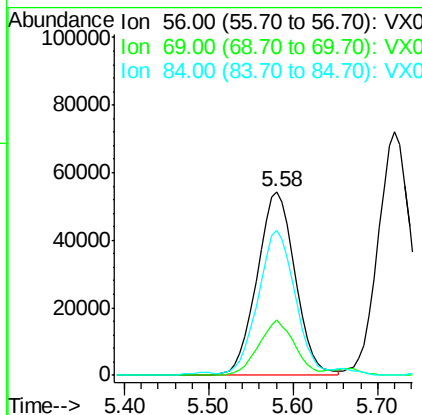
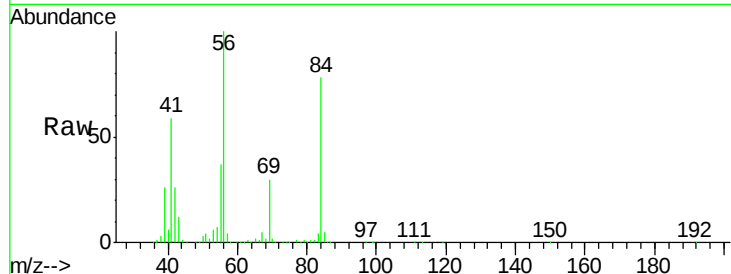
ClientSampleId :

SS052MW592-190507MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 56    | Resp: | 168853 |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 30.0  | 23.4  | 35.0   |
| 84       | 77.7  | 61.9  | 92.9   |

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#32

1,1,1-Trichloroethane

Concen: 54.689 ug/l

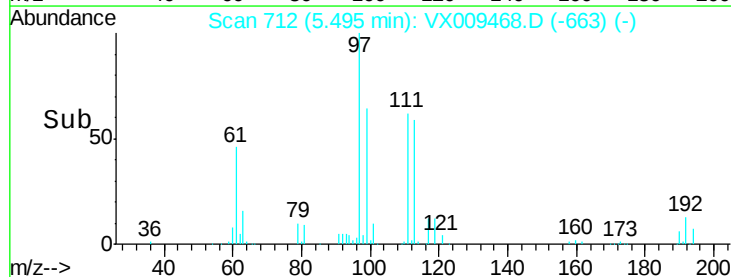
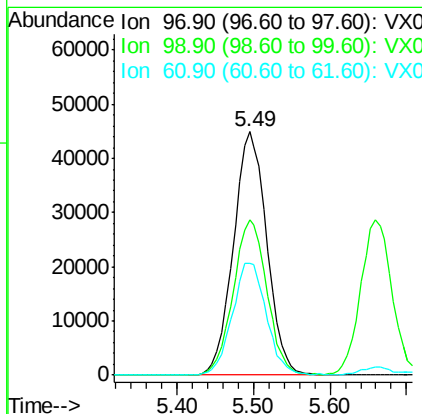
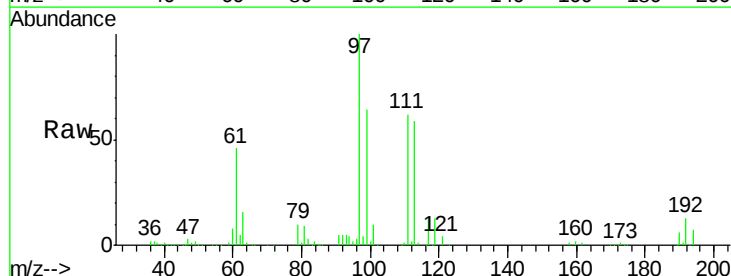
RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX009468.D

Acq: 10 May 2019 07:42

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 135599 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 64.5  | 51.8  | 77.8   |
| 61       | 47.4  | 37.8  | 56.8   |





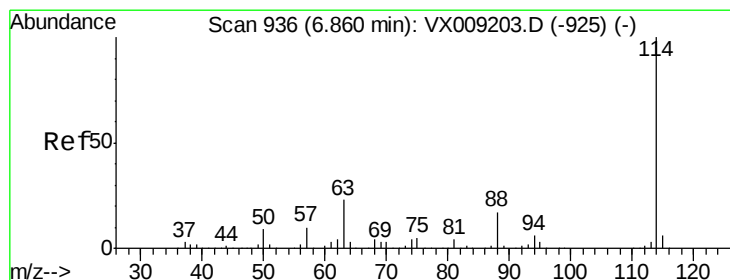
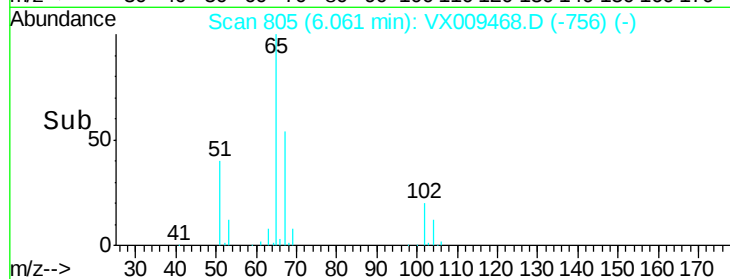
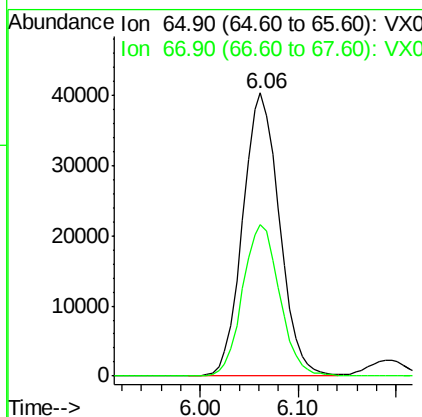
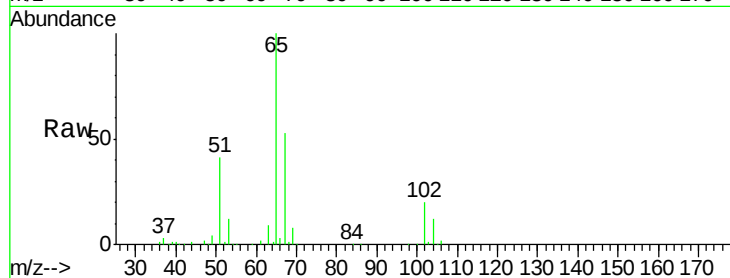
#33  
 1,2-Dichloroethane-d4  
 Concen: 50.828 ug/l  
 RT: 6.06 min Scan# 805  
 Delta R.T. 0.00 min  
 Lab File: VX009468.D  
 Acq: 10 May 2019 07:42

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS052MW592-190507MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 54.0  | 0.0   | 106.6 |

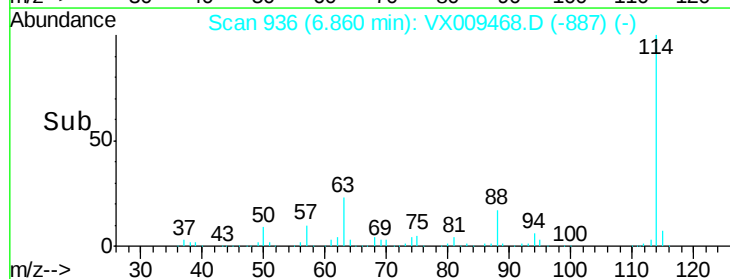
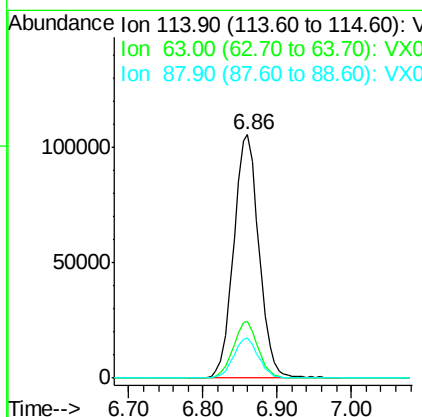
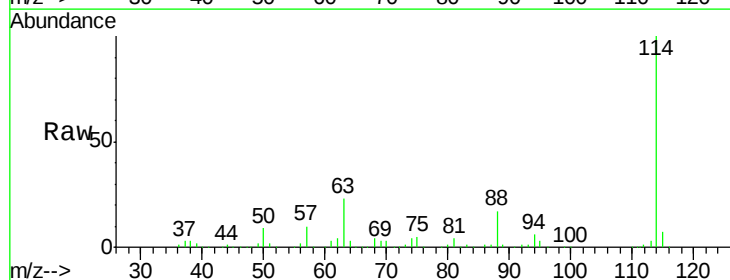
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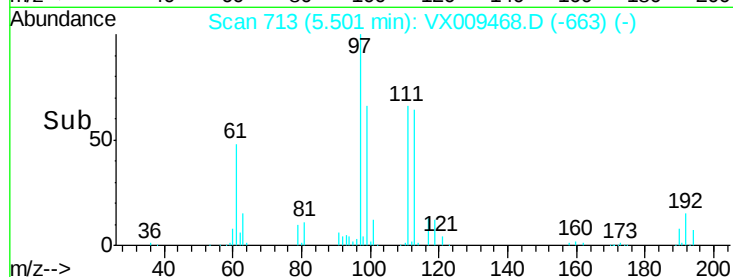
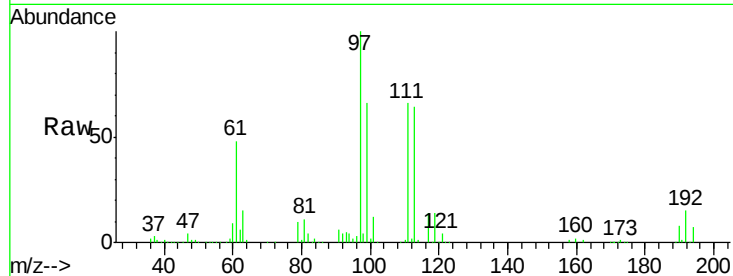
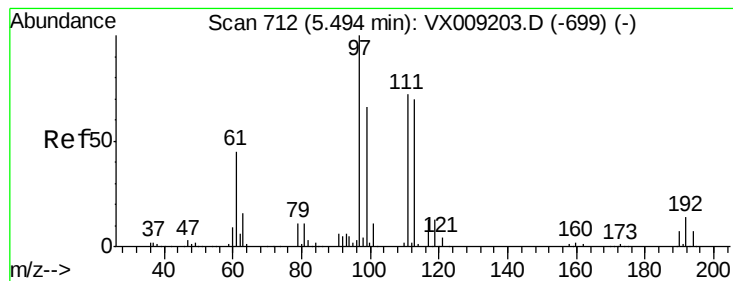
MMDadoda  
 5/10/2019 1:13:02 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. 0.00 min  
 Lab File: VX009468.D  
 Acq: 10 May 2019 07:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 23.2  | 0.0   | 45.6  |
| 88      | 16.7  | 0.0   | 33.2  |





#35

Dibromofluoromethane

Concen: 49.879 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009468.D

Acq: 10 May 2019 07:42

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 113   | Resp: | 78938 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 102.8 | 82.8  | 124.2 |
| 192      | 22.2  | 17.0  | 25.6  |

Instrument :

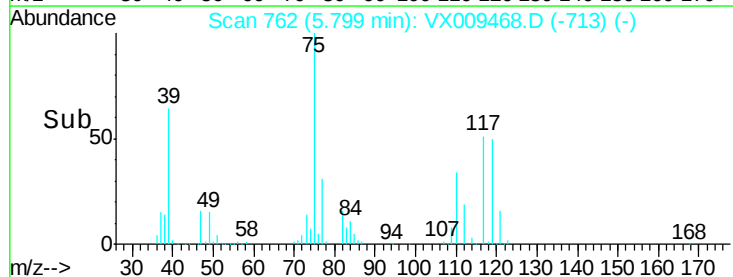
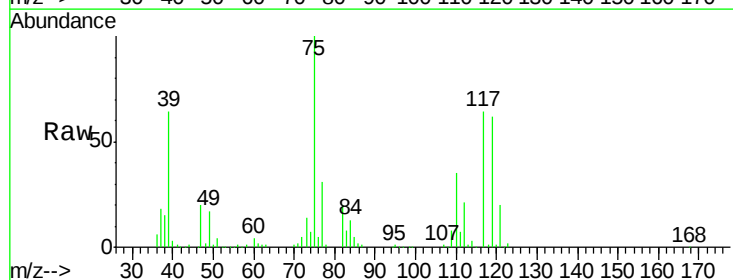
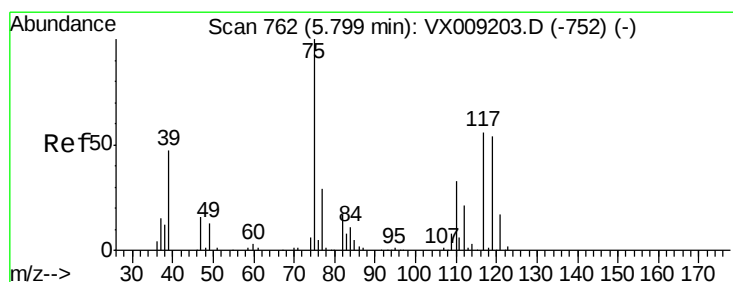
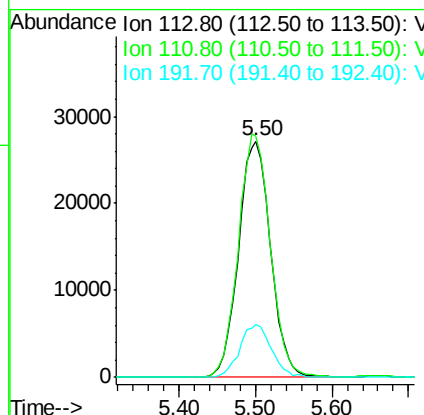
MSVOA\_X

ClientSampleId :

SS052MW592-190507MSD

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5/10/2019 1:13:02 PM



#36

1,1-Dichloropropene

Concen: 52.858 ug/l

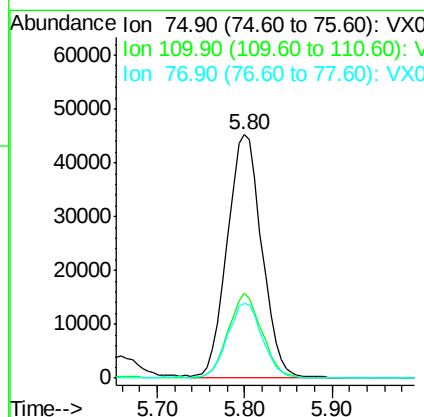
RT: 5.80 min Scan# 762

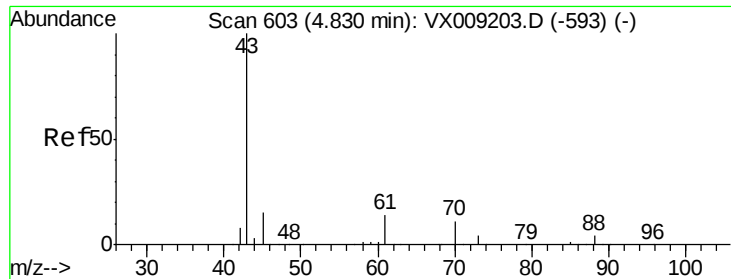
Delta R.T. 0.00 min

Lab File: VX009468.D

Acq: 10 May 2019 07:42

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 123664 |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 110      | 34.3  | 16.9  | 50.6   |
| 77       | 31.2  | 24.8  | 37.2   |





#37

Ethyl Acetate

Concen: 47.641 ug/l

RT: 4.83 min Scan# 603

Delta R.T. 0.00 min

Lab File: VX009468.D

Acq: 10 May 2019 07:42

Instrument :

MSVOA\_X

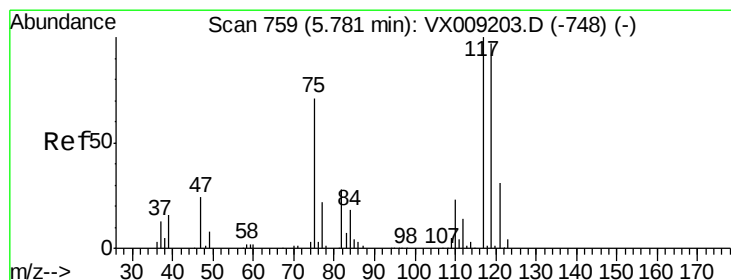
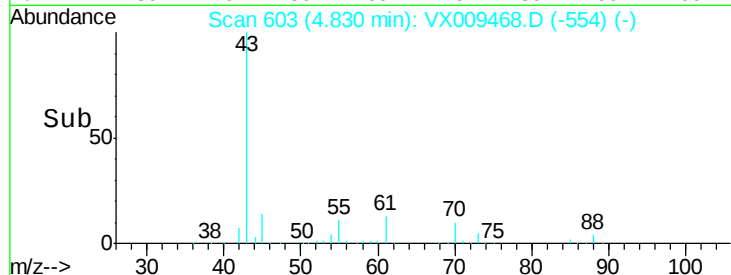
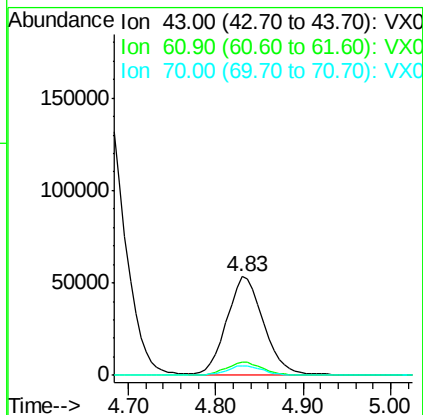
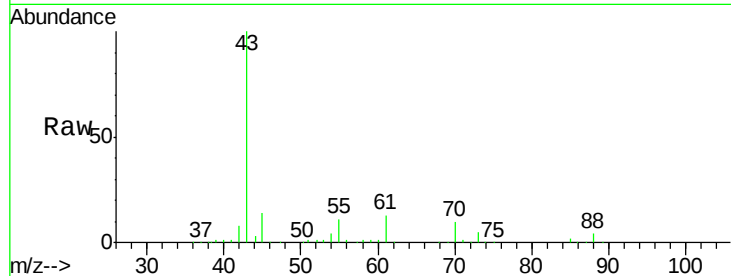
ClientSampleId :

SS052MW592-190507MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 155294 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 13.5  | 10.5  | 15.7   |
| 70       | 9.6   | 7.9   | 11.9   |

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#38

Carbon Tetrachloride

Concen: 53.503 ug/l

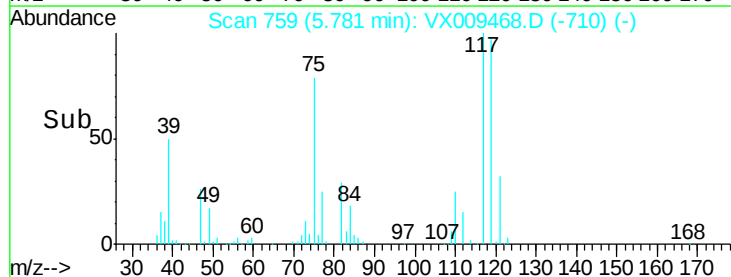
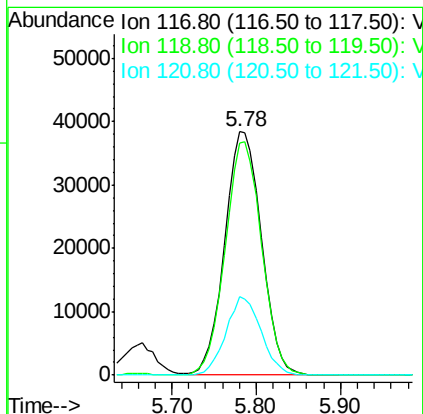
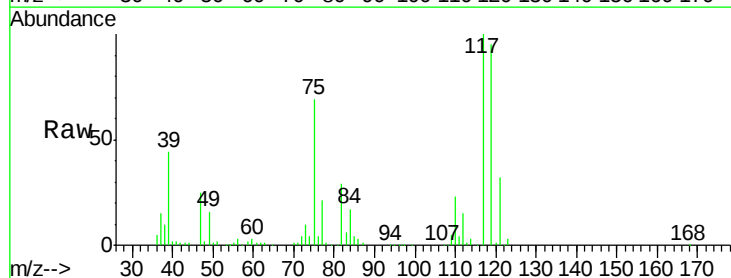
RT: 5.78 min Scan# 759

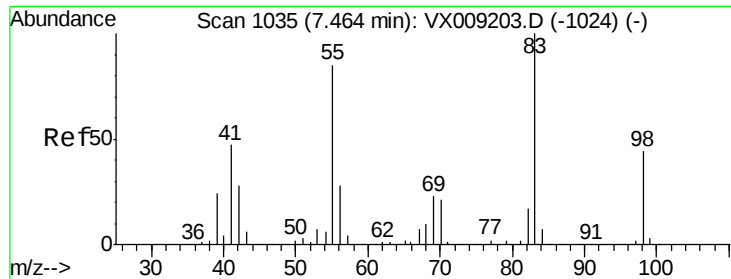
Delta R.T. 0.00 min

Lab File: VX009468.D

Acq: 10 May 2019 07:42

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 113728 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 95.5  | 77.5  | 116.3  |
| 121      | 32.0  | 24.7  | 37.1   |





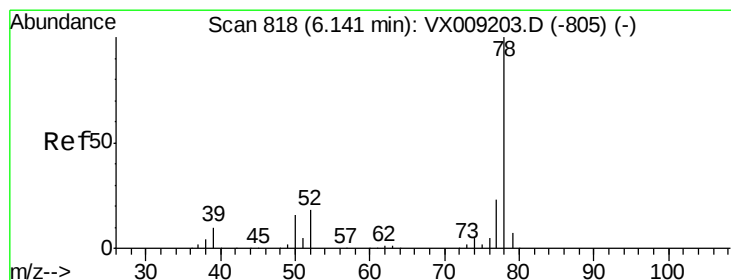
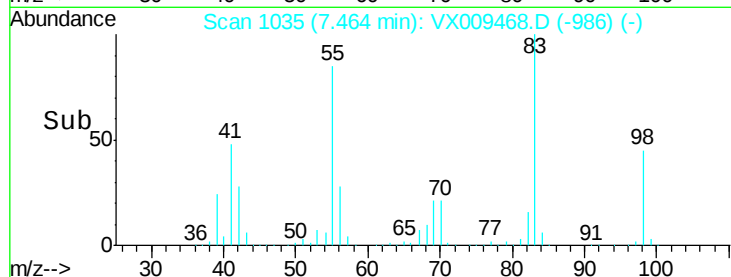
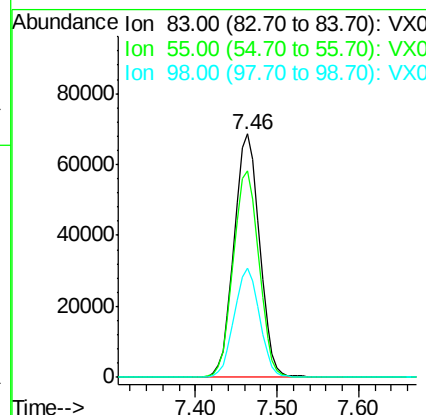
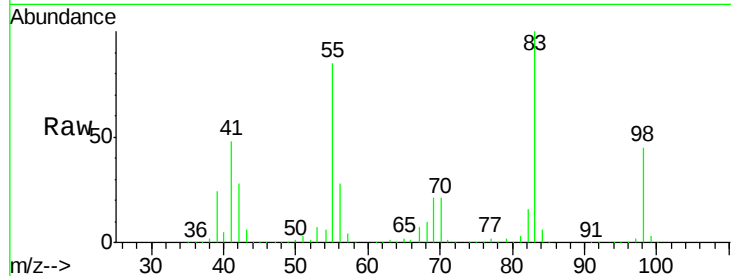
#39  
Methvlcvclohexane  
Concen: 51.466 ug/l  
RT: 7.46 min Scan# 1035  
Delta R.T. 0.00 min  
Lab File: VX009468.D  
Acq: 10 May 2019 07:42

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS052MW592-190507MSD

| Tot Ion   | 83    | Resp  | 147871 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 55        | 84.8  | 67.7  | 101.5  |
| 98        | 44.8  | 35.5  | 53.3   |

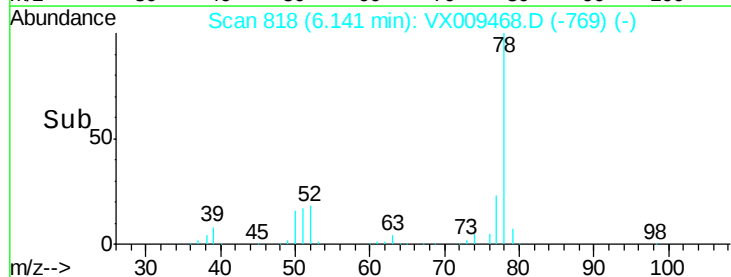
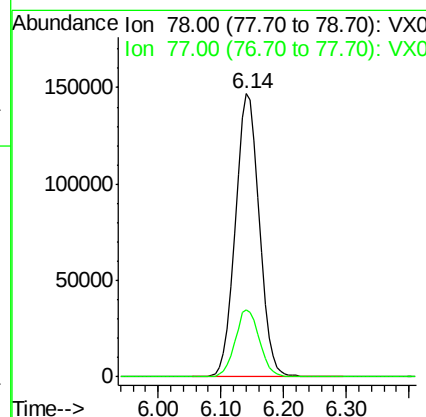
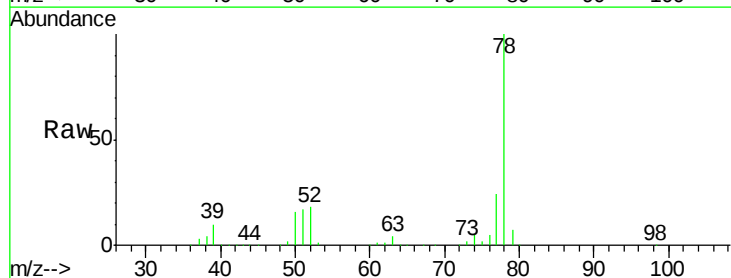
Manual Integrations  
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5/10/2019 1:13:02 PM



#40  
Benzene  
Concen: 53.667 ug/l  
RT: 6.14 min Scan# 818  
Delta R.T. 0.00 min  
Lab File: VX009468.D  
Acq: 10 May 2019 07:42

| Tgt Ion   | 78    | Resp  | 388575 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 78        | 100   |       |        |
| 77        | 23.7  | 18.8  | 28.2   |





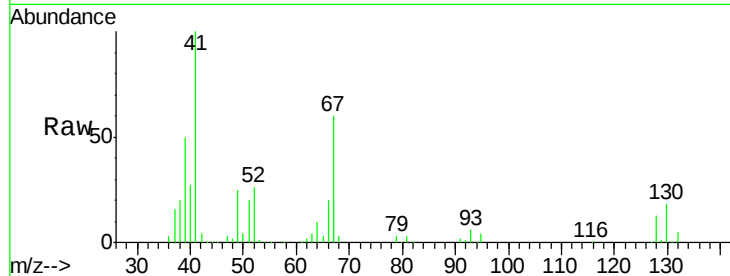
#41  
Methacrylonitrile  
Concen: 50.434 ug/l  
RT: 5.04 min Scan# 638  
Delta R.T. 0.00 min  
Lab File: VX009468.D  
Acq: 10 May 2019 07:42

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS052MW592-190507MSD

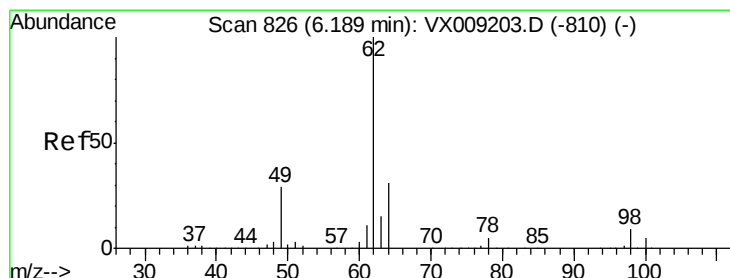
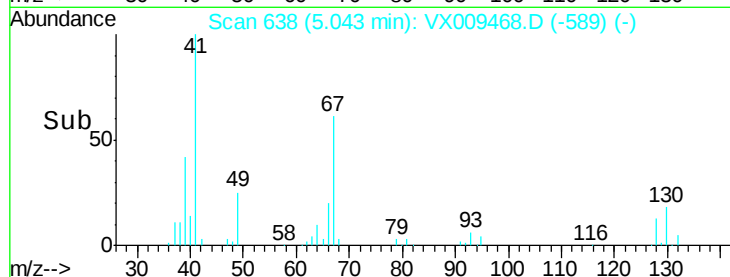
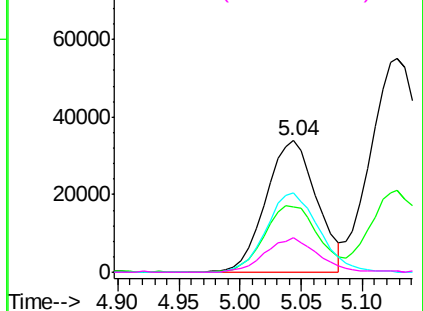
| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 54.2 | 42.0  | 63.0  |       |
| 67      | 62.9 | 49.8  | 74.8  |       |
| 52      | 26.5 | 20.3  | 30.5  |       |

Manual Integrations  
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5/10/2019 1:13:02 PM

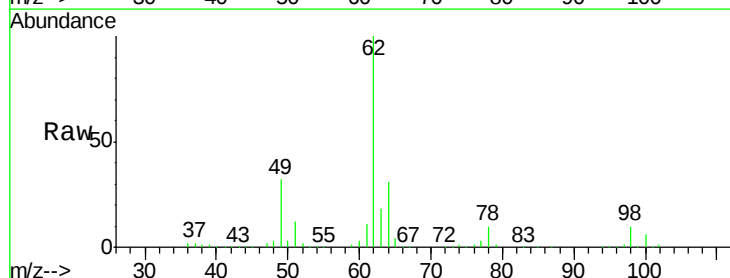


Abundance Ion 41.00 (40.70 to 41.70): VX0  
Ion 39.00 (38.70 to 39.70): VX0  
Ion 67.00 (66.70 to 67.70): VX0  
Ion 52.00 (51.70 to 52.70): VX0

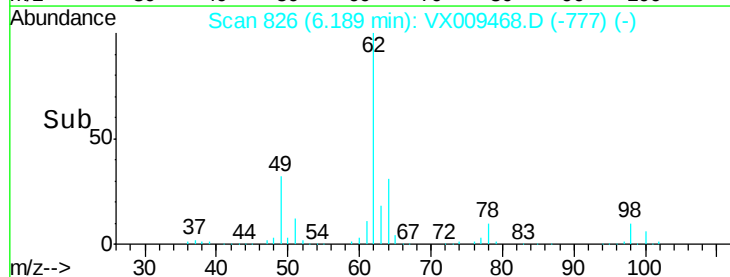
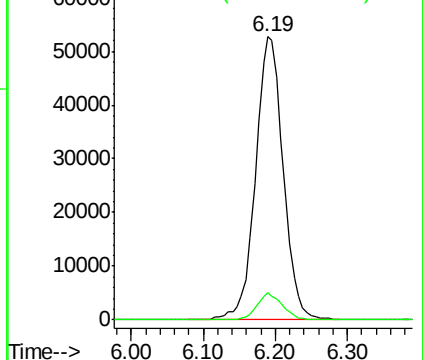


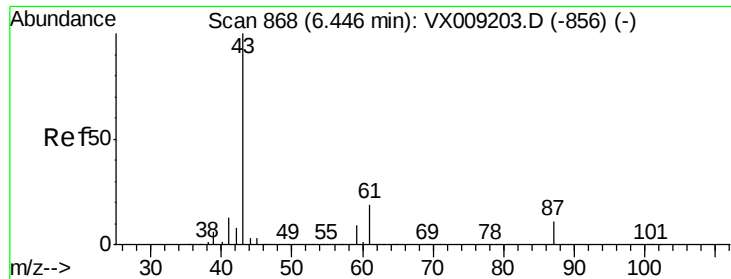
#42  
1,2-Dichloroethane  
Concen: 54.023 ug/l  
RT: 6.19 min Scan# 826  
Delta R.T. 0.00 min  
Lab File: VX009468.D  
Acq: 10 May 2019 07:42

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 62      | 100 |       |       |       |
| 98      | 8.8 | 0.0   | 18.2  |       |



Abundance Ion 61.90 (61.60 to 62.60): VX0  
Ion 97.90 (97.60 to 98.60): VX0





#43

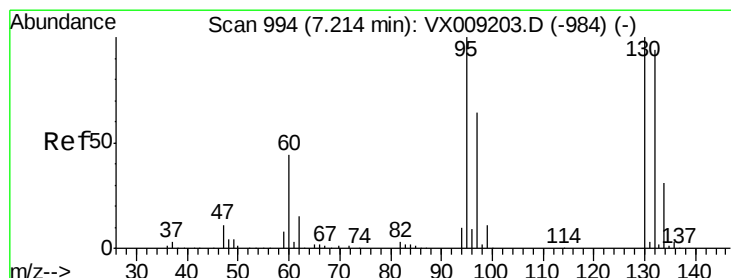
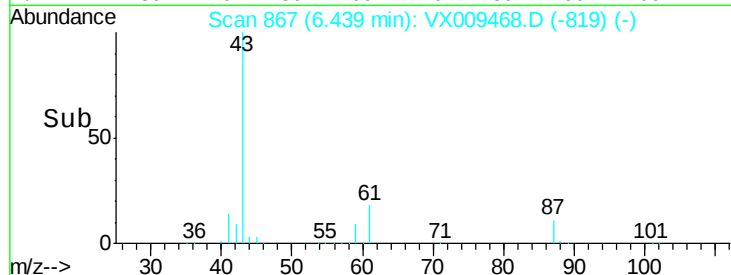
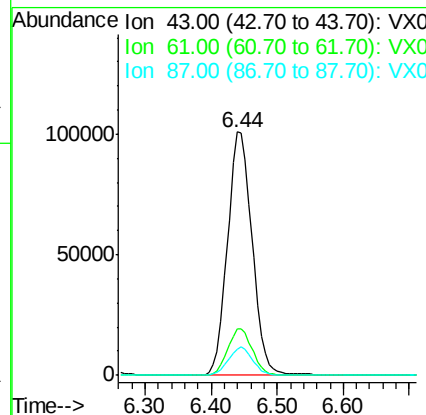
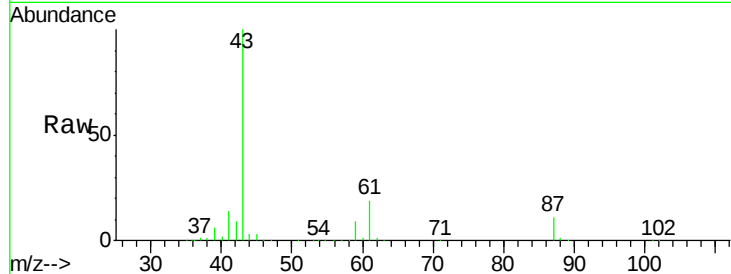
Isopropyl Acetate  
 Concen: 49.795 ug/l  
 RT: 6.44 min Scan# 867  
 Delta R.T. -0.01 min  
 Lab File: VX009468.D  
 Acq: 10 May 2019 07:42

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS052MW592-190507MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 19.2  | 15.1  | 22.7  |
| 87      | 11.3  | 9.0   | 13.6  |

Manual Integrations  
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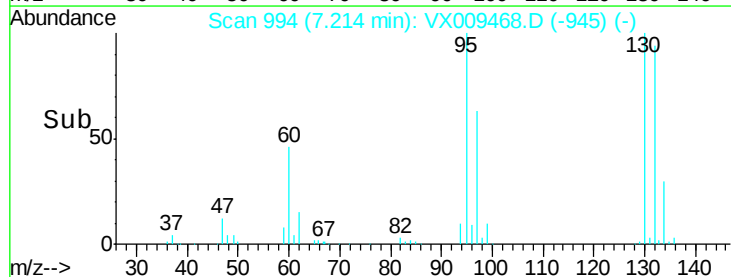
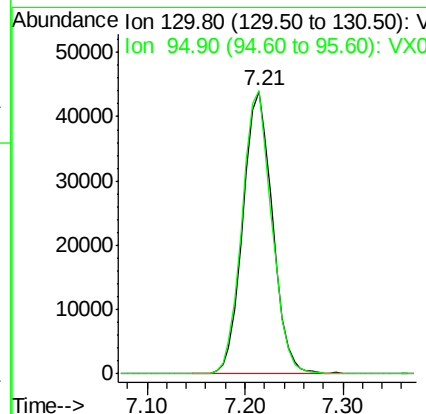
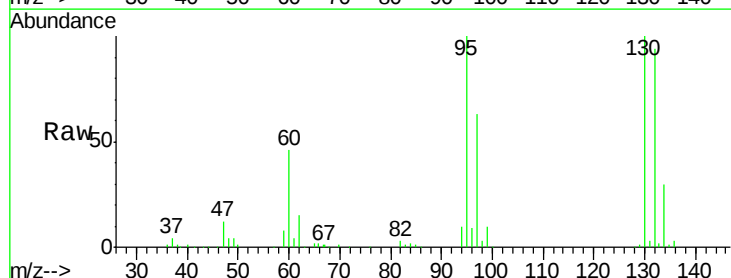
MMDadoda  
 5/10/2019 1:13:02 PM



#44

Trichloroethene  
 Concen: 52.771 ug/l  
 RT: 7.21 min Scan# 994  
 Delta R.T. 0.00 min  
 Lab File: VX009468.D  
 Acq: 10 May 2019 07:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 100.1 | 0.0   | 199.2 |





#45

1,2-Dichloropropane

Concen: 53.592 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX009468.D

Acq: 10 May 2019 07:42

Instrument :

MSVOA\_X

ClientSampleId :

SS052MW592-190507MSD

Tot Ion: 63 Resp: 109875

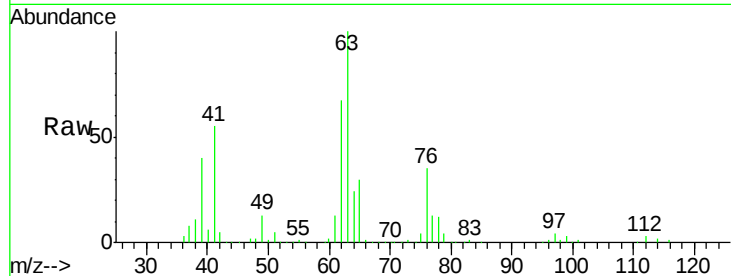
Ion Ratio Lower Upper

63 100

65 30.4 25.0 37.6

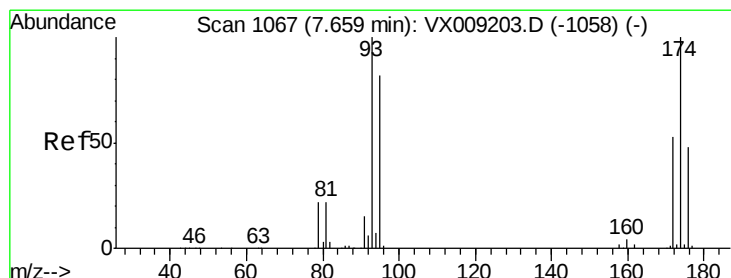
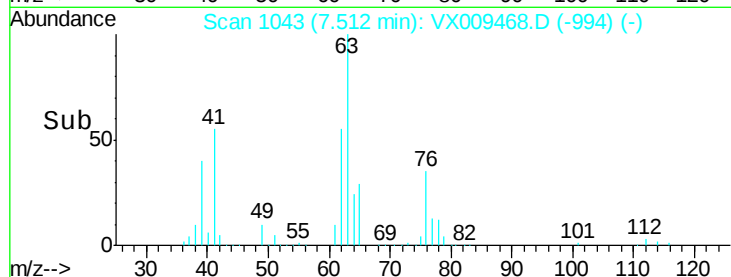
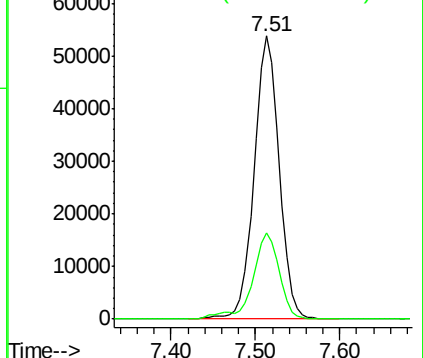
Manual Integrations  
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 53.056 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX009468.D

Acq: 10 May 2019 07:42

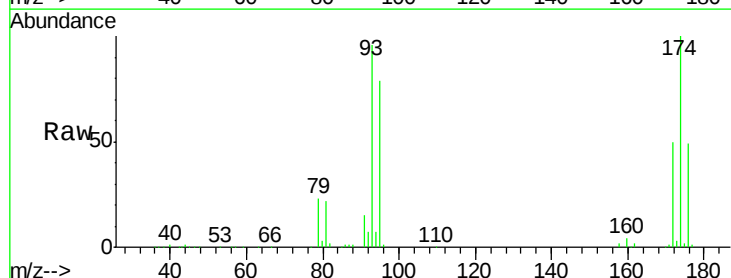
Tgt Ion: 93 Resp: 63167

Ion Ratio Lower Upper

93 100

95 83.5 66.5 99.7

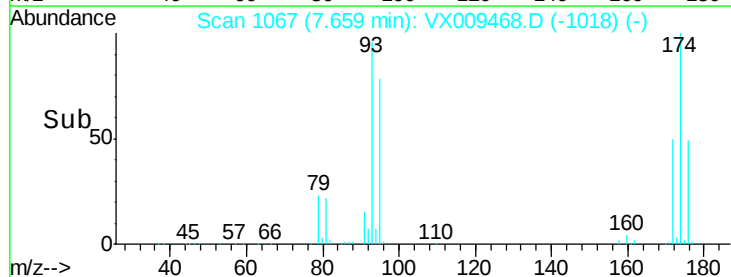
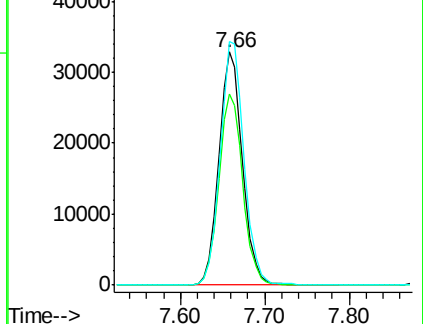
174 105.2 82.1 123.1

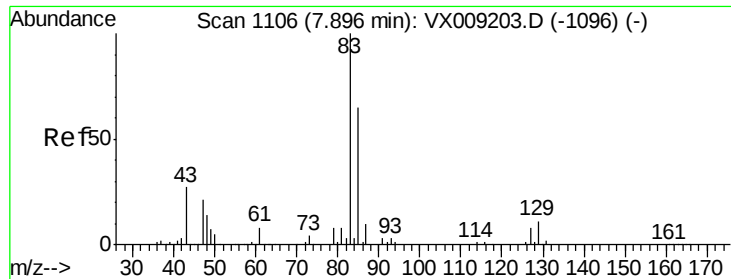


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 53.233 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009468.D

Acq: 10 May 2019 07:42

Instrument :

MSVOA\_X

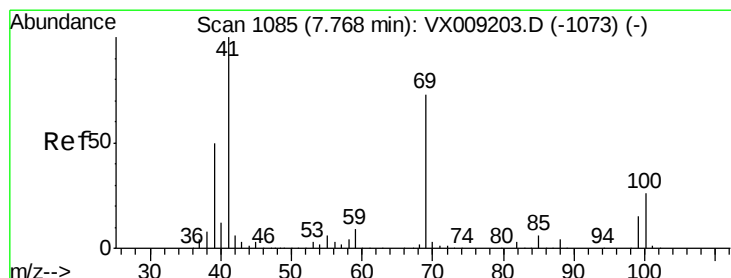
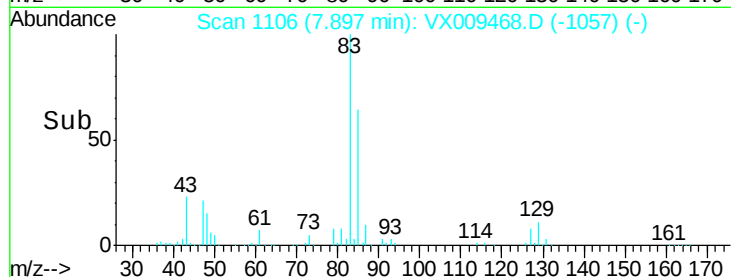
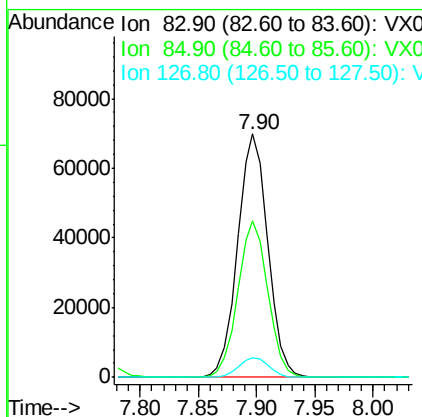
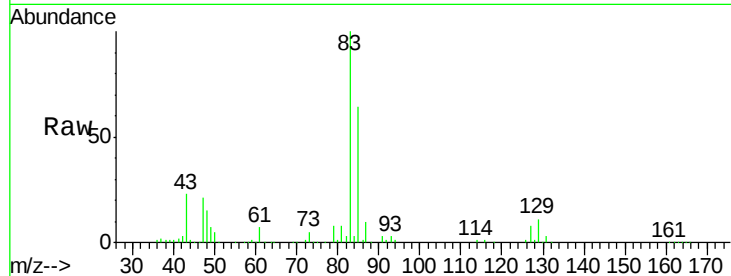
ClientSampleId :

SS052MW592-190507MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 126422 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 64.3  | 52.4  | 78.6   |
| 127       | 8.2   | 6.6   | 10.0   |

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#48

Methyl methacrylate

Concen: 54.234 ug/l

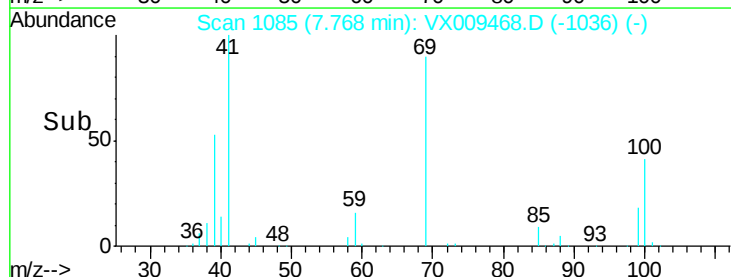
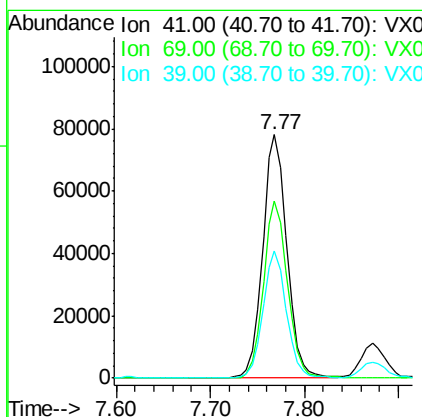
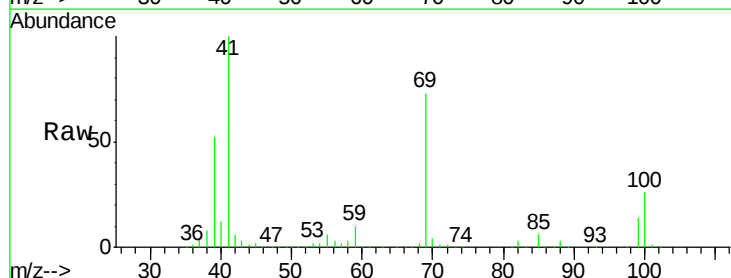
RT: 7.77 min Scan# 1085

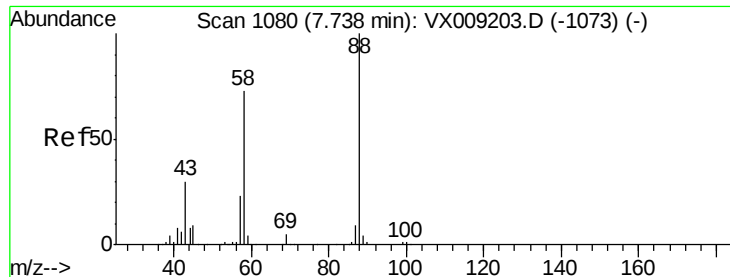
Delta R.T. 0.00 min

Lab File: VX009468.D

Acq: 10 May 2019 07:42

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 140293 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 72.8  | 59.1  | 88.7   |
| 39        | 50.9  | 40.4  | 60.6   |





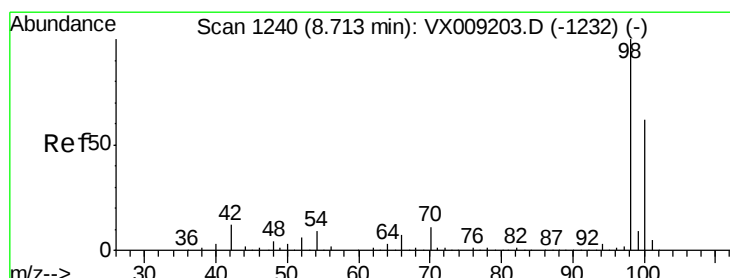
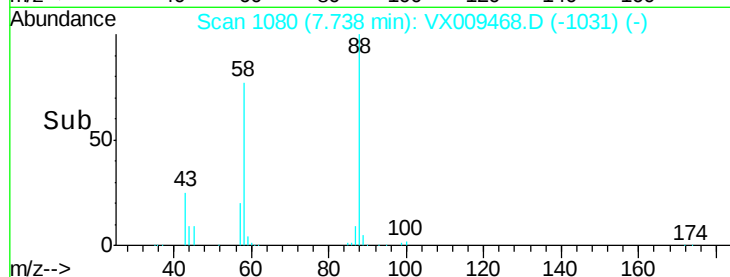
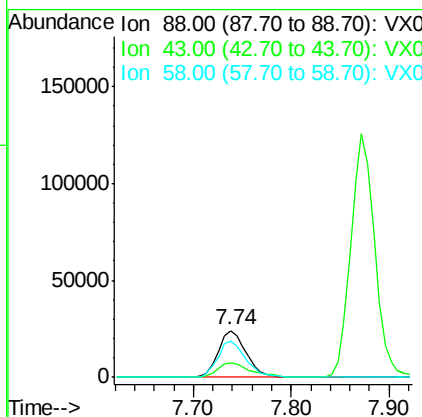
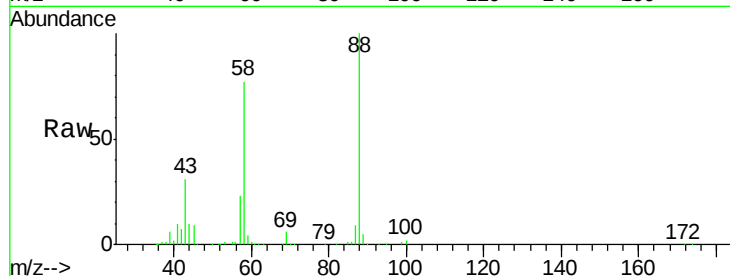
#49  
1,4-Dioxane  
Concen: 905.945 ug/l  
RT: 7.74 min Scan# 1080  
Delta R.T. 0.00 min  
Lab File: VX009468.D  
Acq: 10 May 2019 07:42

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS052MW592-190507MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 36.3  | 28.6  | 42.8  |
| 58      | 79.5  | 61.7  | 92.5  |

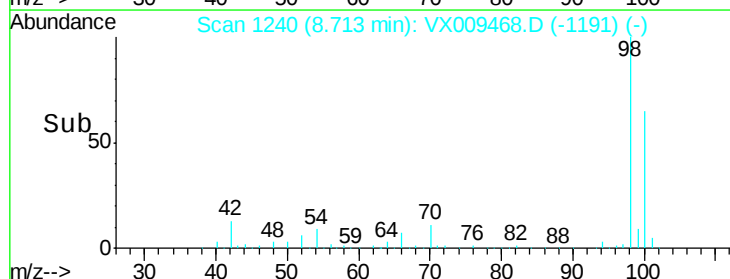
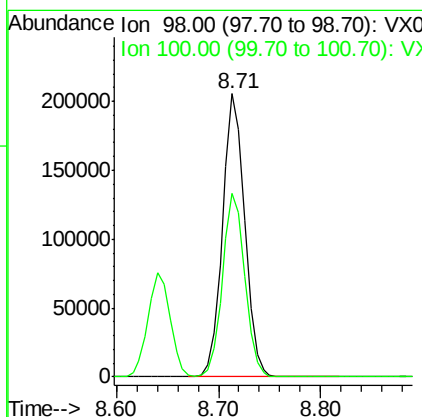
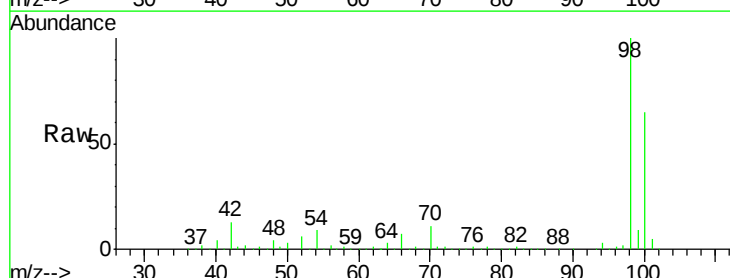
Manual Integrations  
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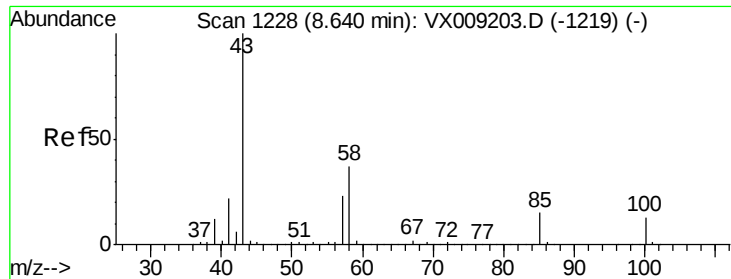
MMDadoda  
5/10/2019 1:13:02 PM



#50  
Toluene-d8  
Concen: 48.652 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. 0.00 min  
Lab File: VX009468.D  
Acq: 10 May 2019 07:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 65.0  | 51.2  | 76.8  |





#51

4-Methyl-2-Pentanone

Concen: 267.507 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009468.D

Acq: 10 May 2019 07:42

Instrument :

MSVOA\_X

ClientSampleId :

SS052MW592-190507MSD

Tot Ion: 43 Resp: 911663

Ion Ratio Lower Upper

43 100

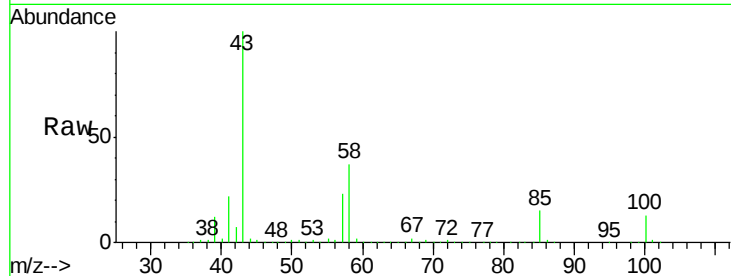
58 36.9 29.5 44.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

600000

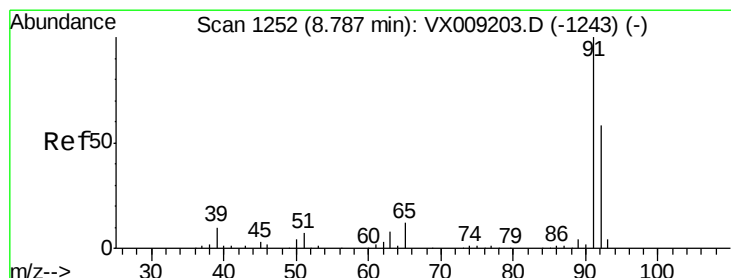
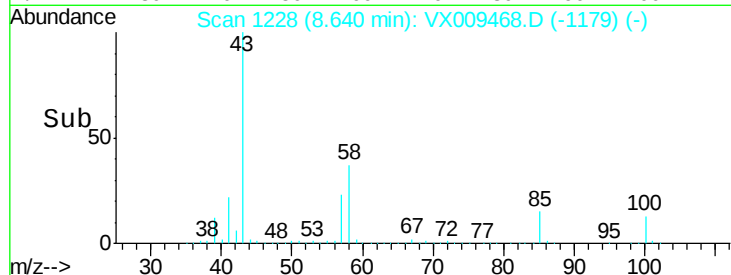
400000

200000

0

8.60 8.70 8.80

Time-->



#52

Toluene

Concen: 54.109 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009468.D

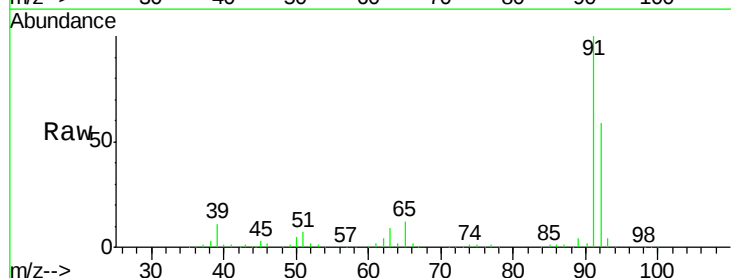
Acq: 10 May 2019 07:42

Tgt Ion: 92 Resp: 238152

Ion Ratio Lower Upper

92 100

91 171.1 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

300000

250000

200000

150000

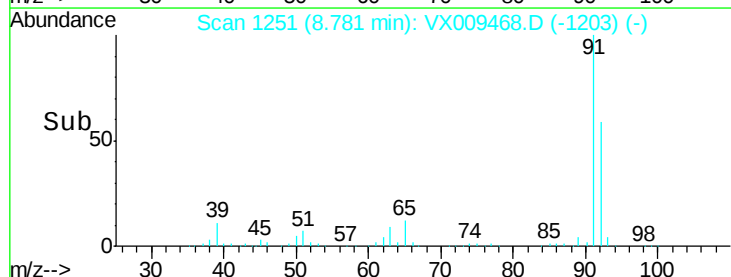
100000

50000

0

8.70 8.80 8.90

Time-->





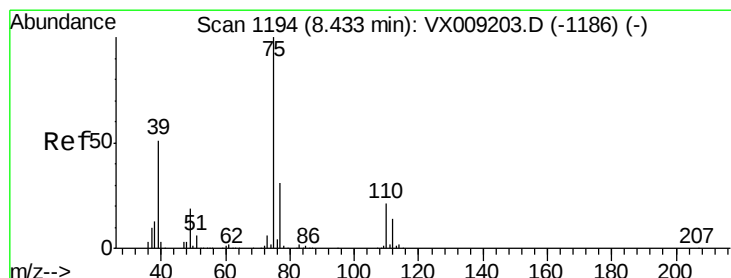
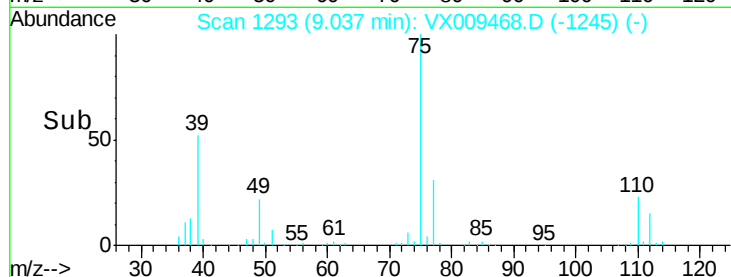
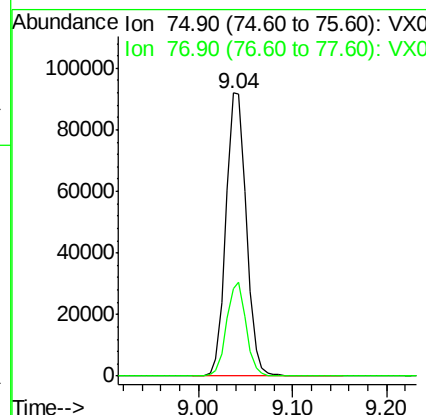
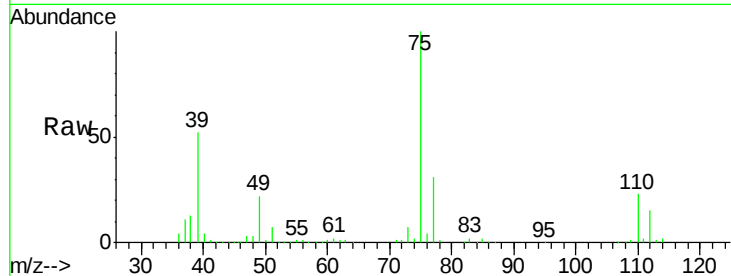
#53  
 t-1,3-Dichloropropene  
 Concen: 51.519 ug/l  
 RT: 9.04 min Scan# 1293  
 Delta R.T. -0.01 min  
 Lab File: VX009468.D  
 Acq: 10 May 2019 07:42

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS052MW592-190507MSD

Tot Ion: 75 Resp: 138137  
 Ion Ratio Lower Upper  
 75 100  
 77 31.0 25.0 37.6

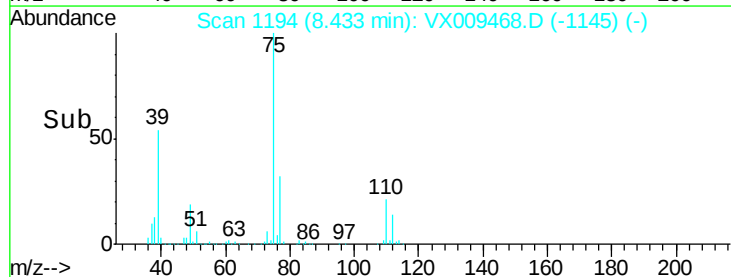
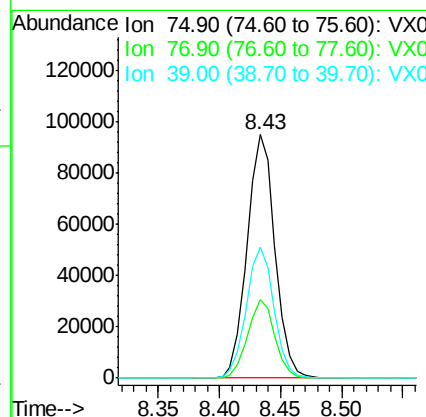
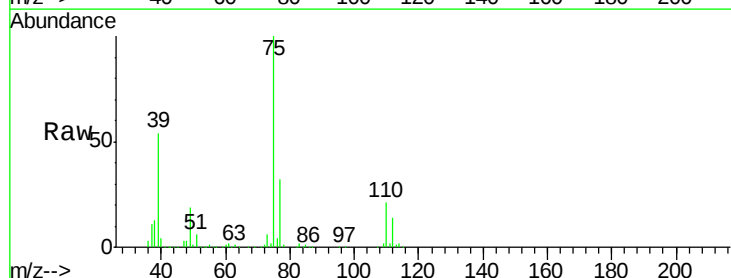
Manual Integrations  
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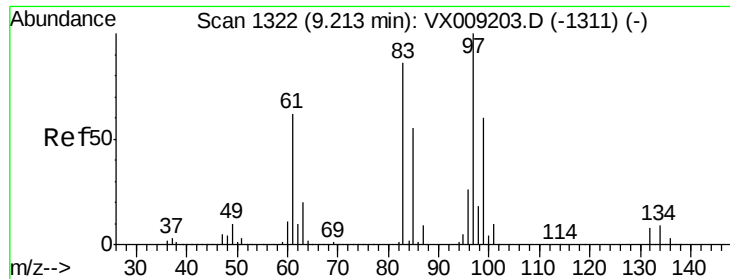
MMDadoda  
 5/10/2019 1:13:02 PM



#54  
 cis-1,3-Dichloropropene  
 Concen: 50.654 ug/l  
 RT: 8.43 min Scan# 1194  
 Delta R.T. 0.00 min  
 Lab File: VX009468.D  
 Acq: 10 May 2019 07:42

Tgt Ion: 75 Resp: 150330  
 Ion Ratio Lower Upper  
 75 100  
 77 32.2 24.6 36.8  
 39 53.9 40.6 60.8





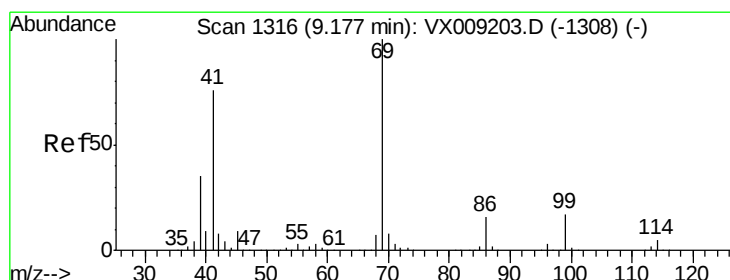
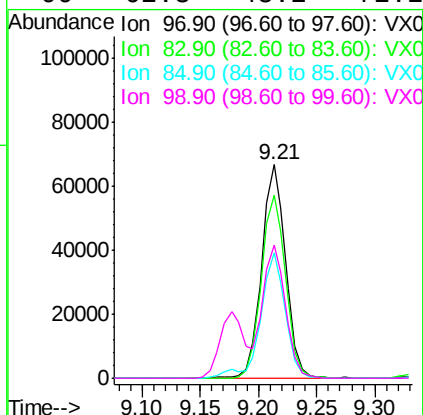
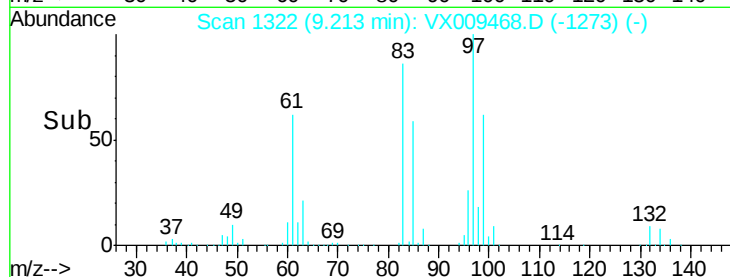
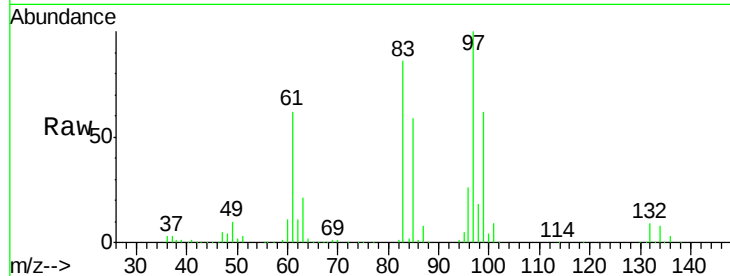
#55  
 1,1,2-Trichloroethane  
 Concen: 53.295 ug/l  
 RT: 9.21 min Scan# 1322  
 Delta R.T. 0.00 min  
 Lab File: VX009468.D  
 Acq: 10 May 2019 07:42

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS052MW592-190507MSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 97    | Resp: | 95697 |
| Ion Ratio | Lower | Upper |       |
| 97        | 100   |       |       |
| 83        | 85.9  | 68.9  | 103.3 |
| 85        | 58.5  | 43.8  | 65.6  |
| 99        | 62.3  | 48.2  | 72.2  |

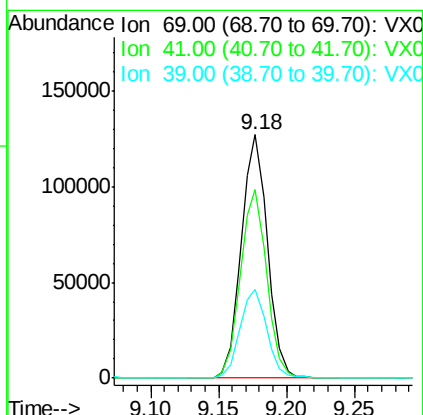
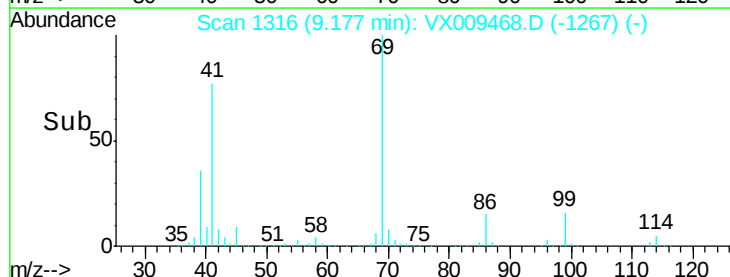
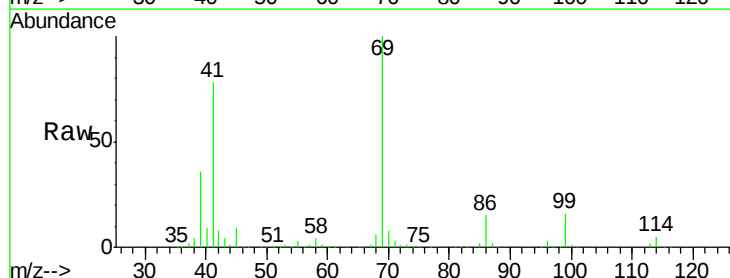
Manual Integrations  
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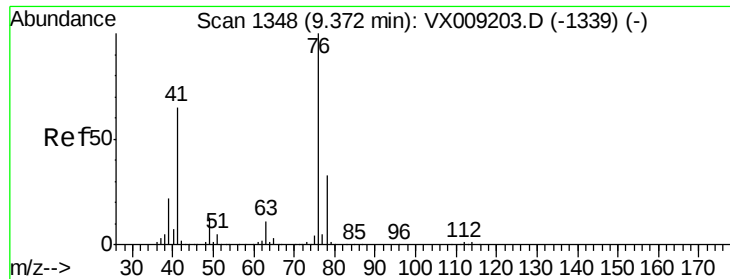
MMDadoda  
 5/10/2019 1:13:02 PM



#56  
 Ethyl methacrylate  
 Concen: 53.367 ug/l  
 RT: 9.18 min Scan# 1316  
 Delta R.T. 0.00 min  
 Lab File: VX009468.D  
 Acq: 10 May 2019 07:42

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 69    | Resp: | 171055 |
| Ion Ratio | Lower | Upper |        |
| 69        | 100   |       |        |
| 41        | 77.4  | 60.6  | 90.8   |
| 39        | 36.9  | 28.2  | 42.4   |





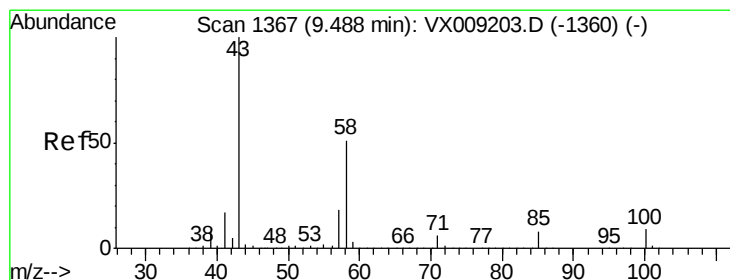
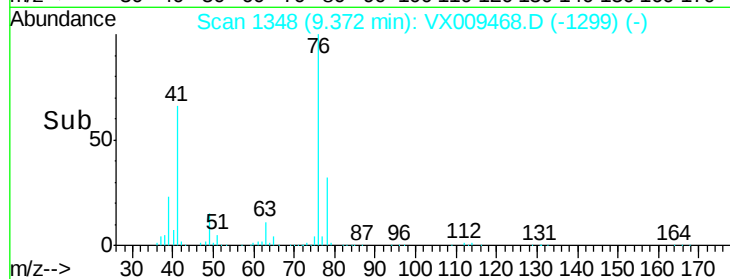
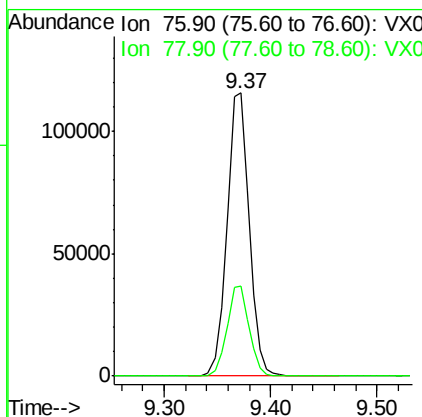
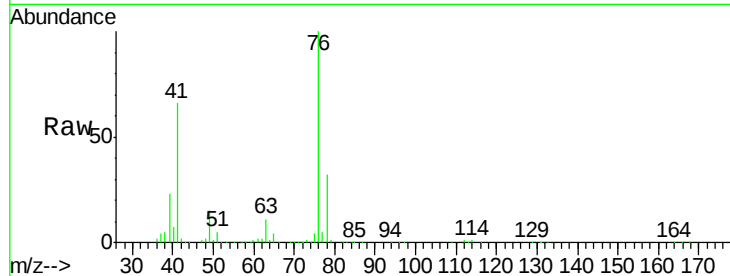
#57  
 1,3-Dichloropropane  
 Concen: 53.414 ug/l  
 RT: 9.37 min Scan# 1348  
 Delta R.T. 0.00 min  
 Lab File: VX009468.D  
 Acq: 10 May 2019 07:42

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS052MW592-190507MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 31.7  | 25.5  | 38.3  |

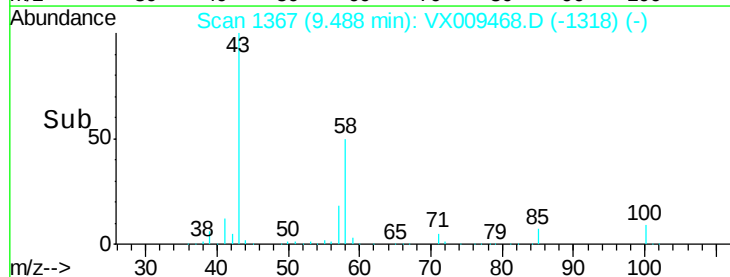
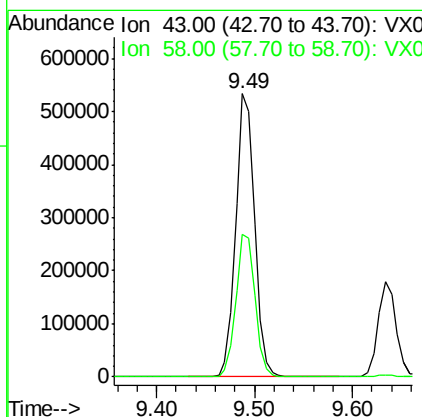
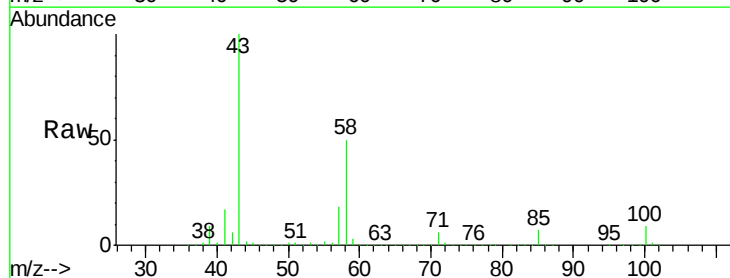
Manual Integrations  
 APPROVED

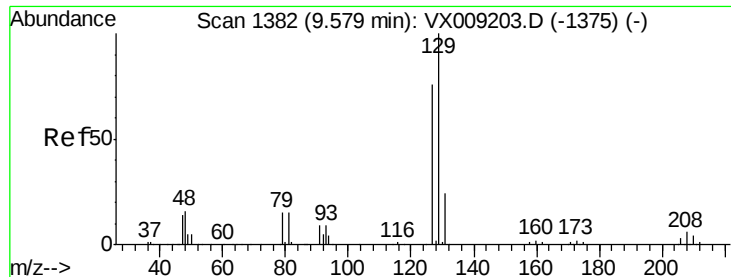
MMDadoda  
 5/10/2019 1:13:02 PM



#59  
 2-Hexanone  
 Concen: 267.132 ug/l  
 RT: 9.49 min Scan# 1367  
 Delta R.T. 0.00 min  
 Lab File: VX009468.D  
 Acq: 10 May 2019 07:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 51.1  | 25.9  | 77.7  |





#60

Dibromochloromethane

Concen: 54.272 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX009468.D

Acq: 10 May 2019 07:42

Instrument :

MSVOA\_X

ClientSampleId :

SS052MW592-190507MSD

Tot Ion:129 Resp: 95180

Ion Ratio Lower Upper

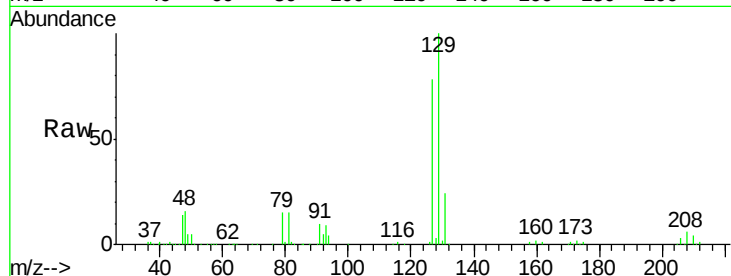
129 100

127 78.2 38.4 115.1

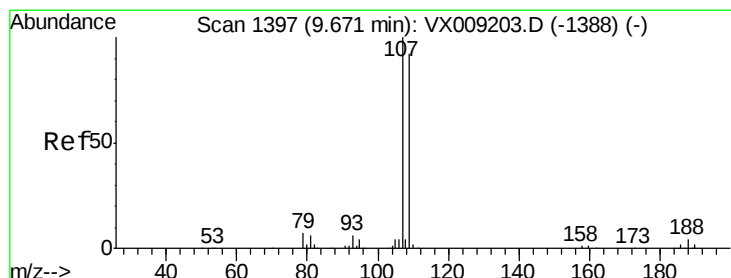
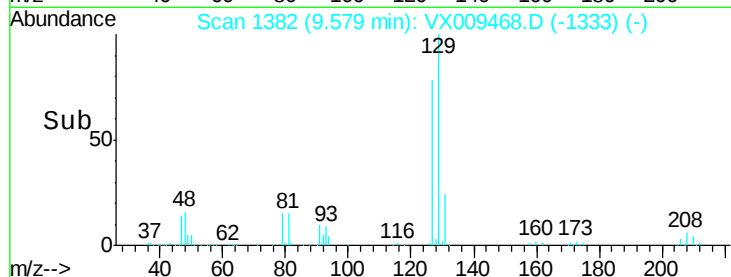
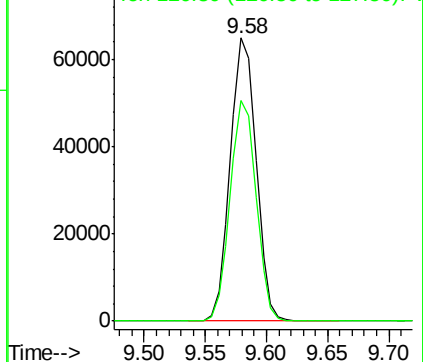
Manual Integrations  
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Abundance Ion 128.80 (128.50 to 129.50): V  
Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 53.951 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009468.D

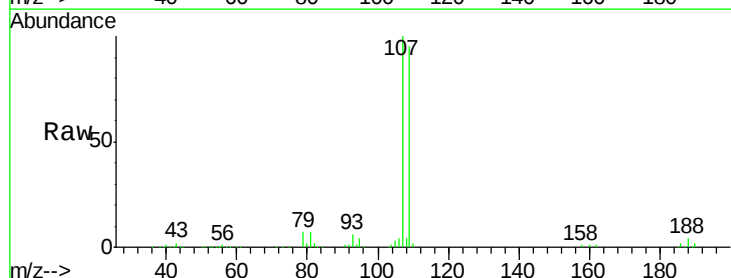
Acq: 10 May 2019 07:42

Tgt Ion:107 Resp: 97788

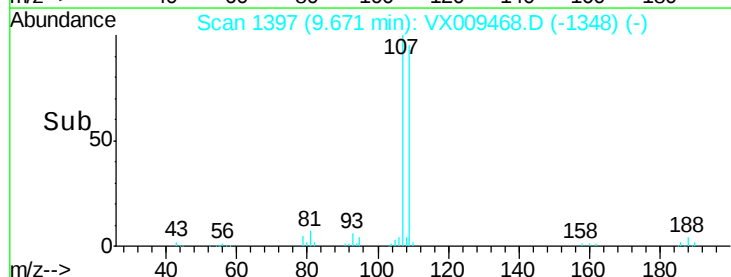
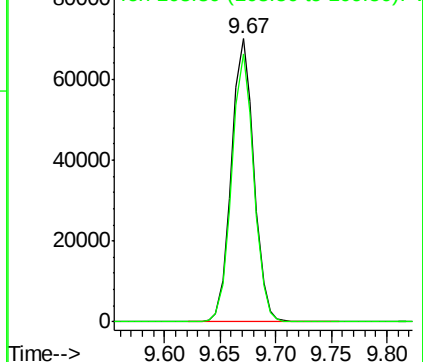
Ion Ratio Lower Upper

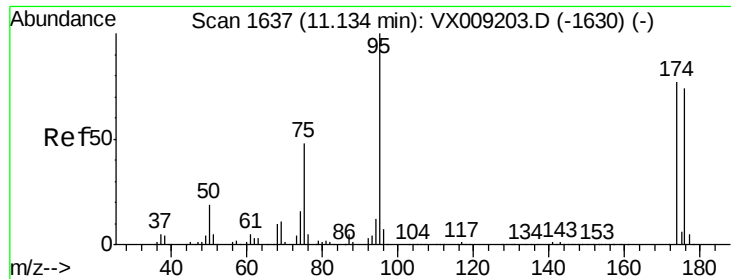
107 100

109 93.6 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V  
Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 50.108 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009468.D

Acq: 10 May 2019 07:42

Instrument :

MSVOA\_X

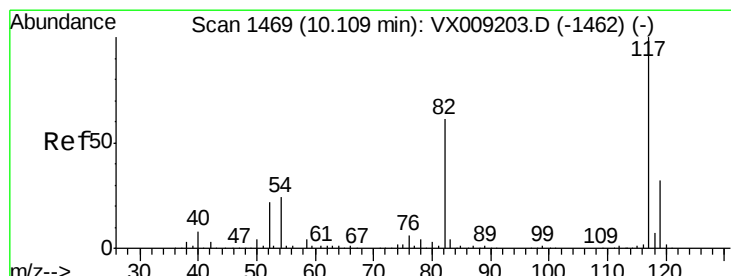
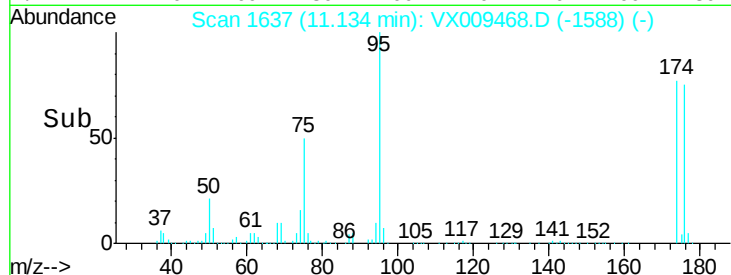
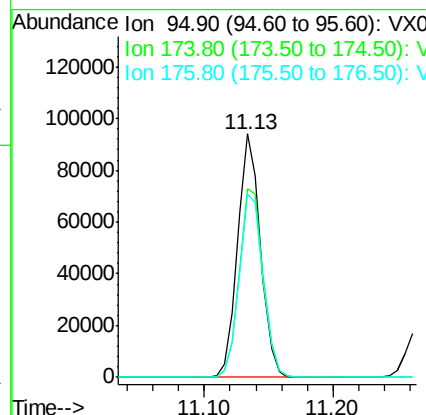
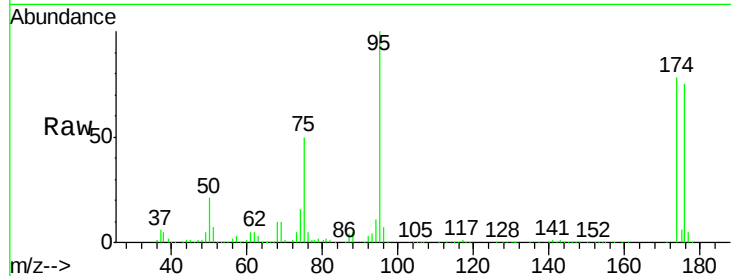
ClientSampleId :

SS052MW592-190507MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 95    | Resp: | 116334 |
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 174       | 81.6  | 0.0   | 161.6  |
| 176       | 78.4  | 0.0   | 159.2  |

Manual Integrations  
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

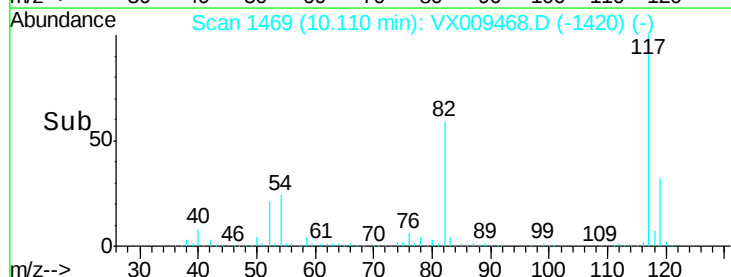
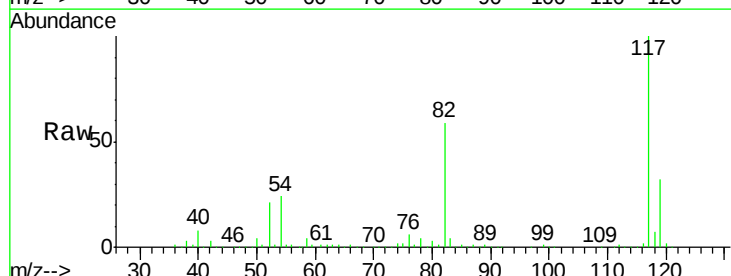
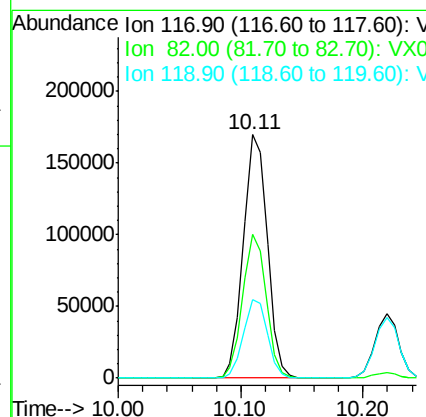
RT: 10.11 min Scan# 1469

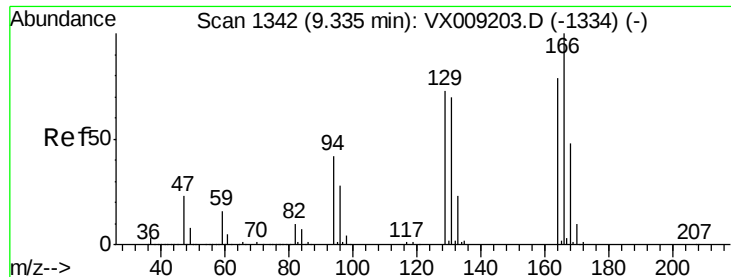
Delta R.T. 0.00 min

Lab File: VX009468.D

Acq: 10 May 2019 07:42

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 230014 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 59.2  | 48.8  | 73.2   |
| 119       | 32.0  | 25.8  | 38.6   |





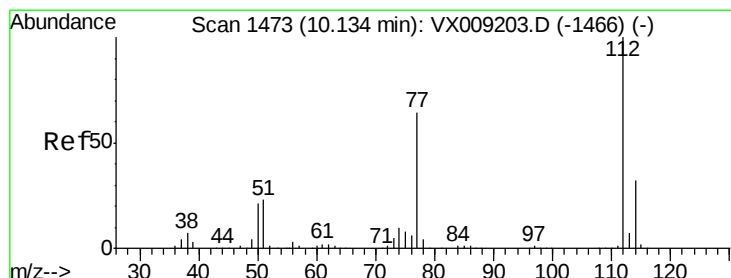
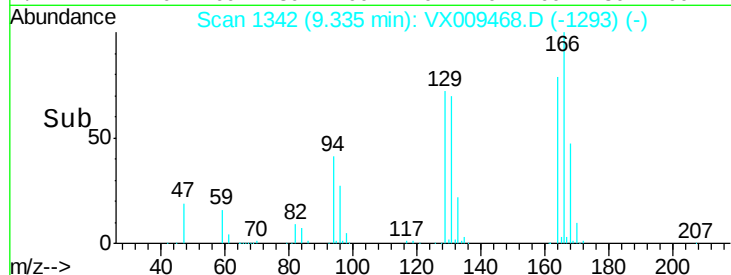
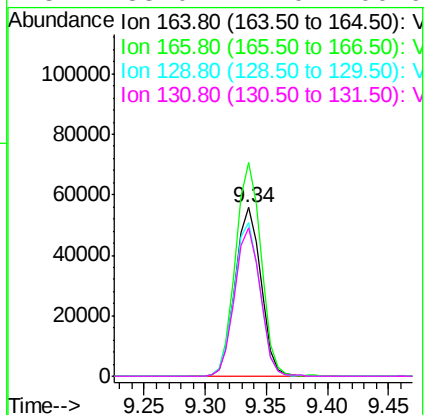
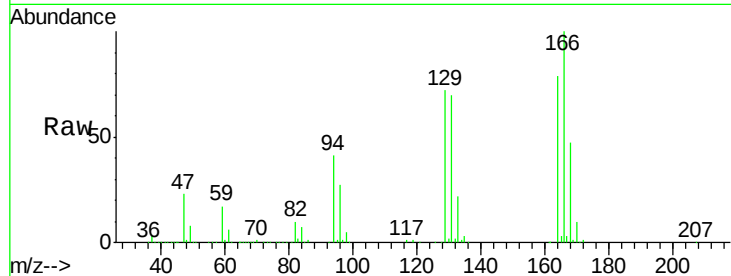
#64  
Tetrachloroethene  
Concen: 51.246 ug/l  
RT: 9.34 min Scan# 1342  
Delta R.T. 0.00 min  
Lab File: VX009468.D  
Acq: 10 May 2019 07:42

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS052MW592-190507MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 126.6 | 101.2 | 151.8 |
| 129     | 91.4  | 74.3  | 111.5 |
| 131     | 88.0  | 71.0  | 106.6 |

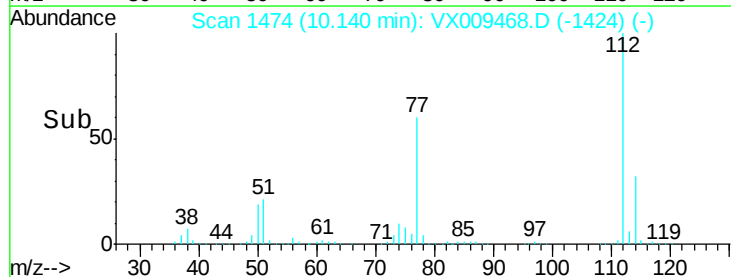
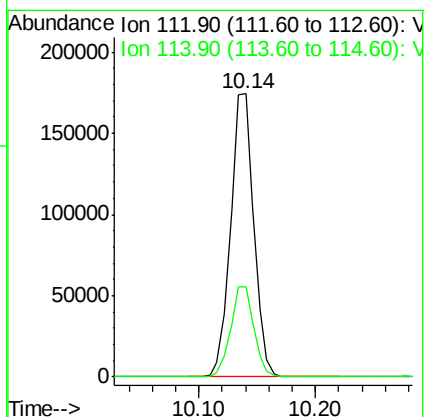
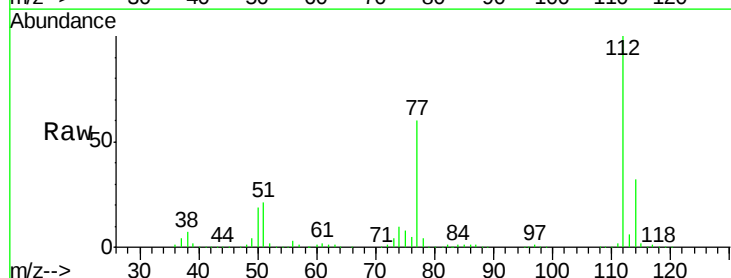
Manual Integrations  
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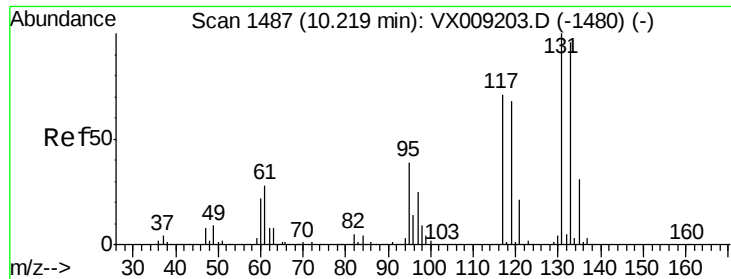
MMDadoda  
5/10/2019 1:13:02 PM



#65  
Chlorobenzene  
Concen: 52.715 ug/l  
RT: 10.14 min Scan# 1474  
Delta R.T. 0.01 min  
Lab File: VX009468.D  
Acq: 10 May 2019 07:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 31.9  | 25.5  | 38.3  |





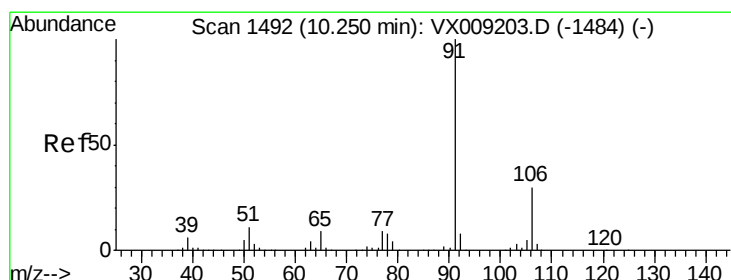
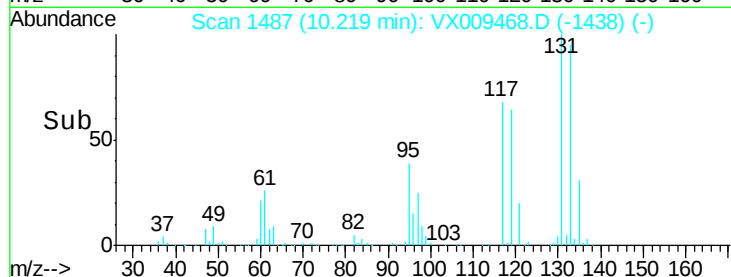
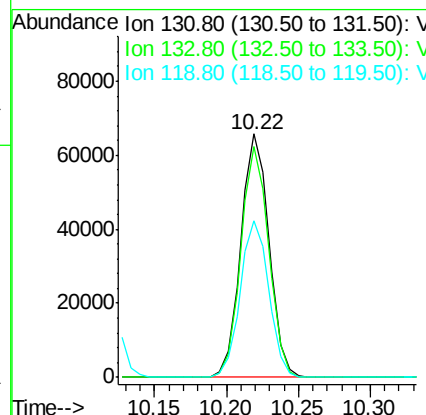
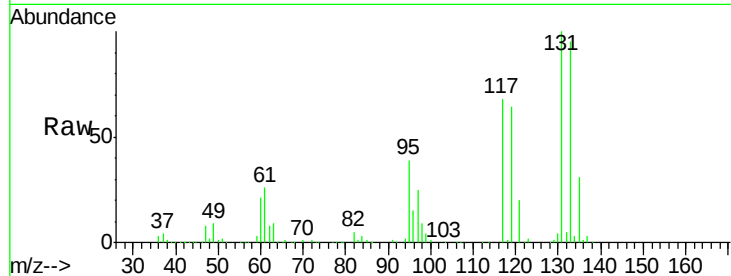
#66  
 1,1,1,2-Tetrachloroethane  
 Concen: 53.741 ug/l  
 RT: 10.22 min Scan# 1487  
 Delta R.T. 0.00 min  
 Lab File: VX009468.D  
 Acq: 10 May 2019 07:42

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS052MW592-190507MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 93.5  | 47.7  | 143.1 |
| 119     | 64.8  | 33.5  | 100.4 |

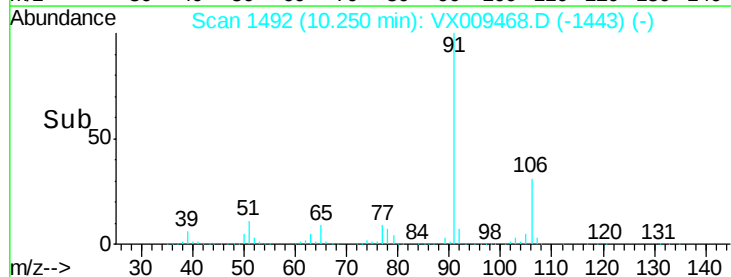
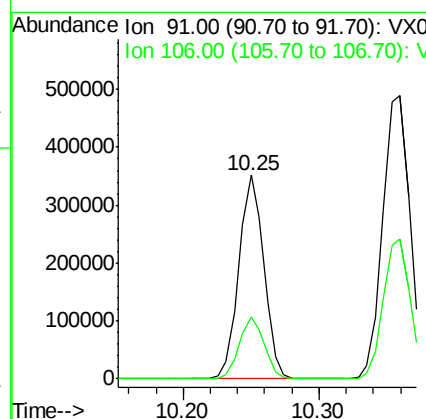
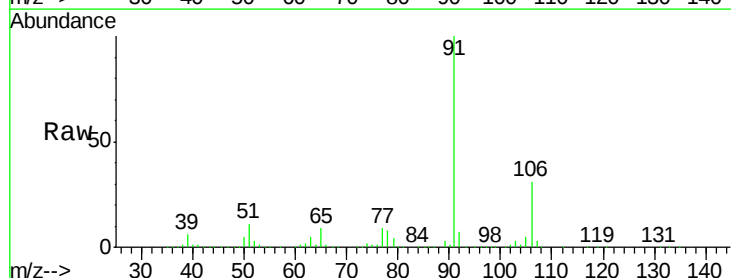
Manual Integrations  
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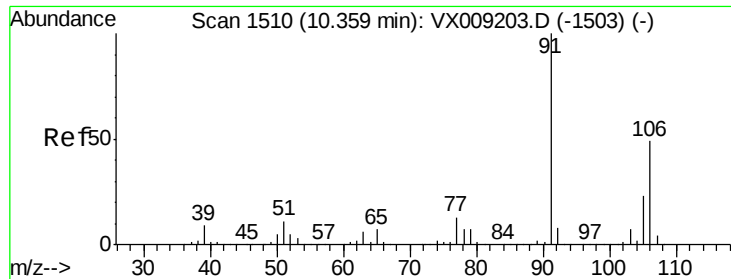
MMDadoda  
 5/10/2019 1:13:02 PM



#67  
 Ethyl Benzene  
 Concen: 53.211 ug/l  
 RT: 10.25 min Scan# 1492  
 Delta R.T. 0.00 min  
 Lab File: VX009468.D  
 Acq: 10 May 2019 07:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 106     | 30.5  | 24.0  | 36.0  |





#68

m/p-Xvlenes

Concen: 107.324 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX009468.D

Acq: 10 May 2019 07:42

Instrument :

MSVOA\_X

ClientSampleId :

SS052MW592-190507MSD

Tot Ion:106 Resp: 332118

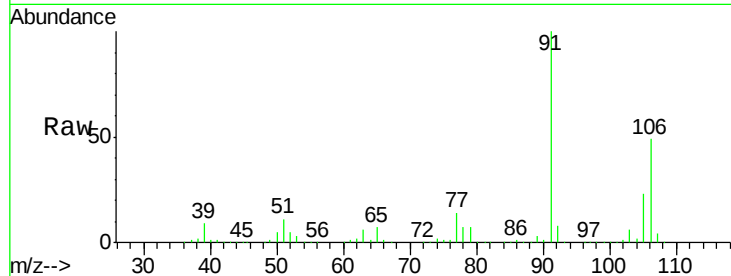
Ion Ratio Lower Upper

106 100

91 205.8 164.0 246.0

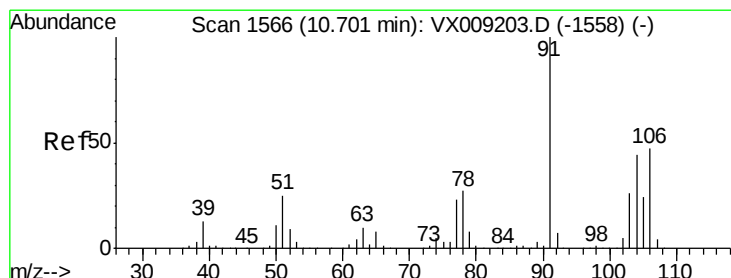
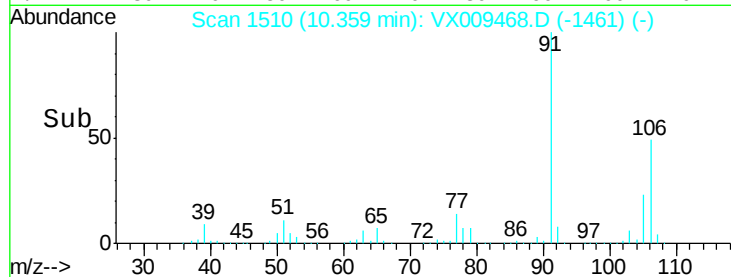
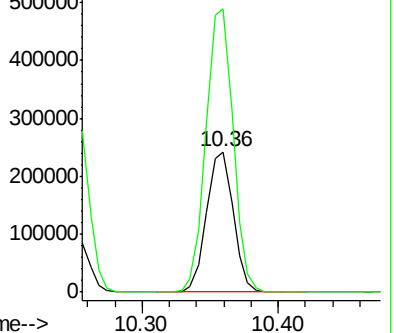
Manual Integrations  
APPROVED

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 53.237 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VX009468.D

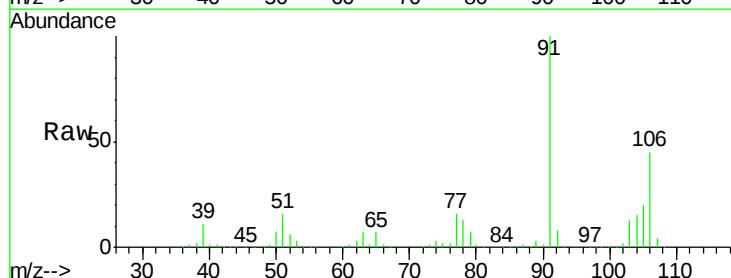
Acq: 10 May 2019 07:42

Tgt Ion:106 Resp: 162545

Ion Ratio Lower Upper

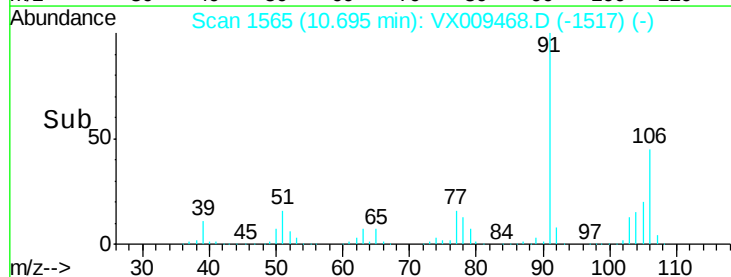
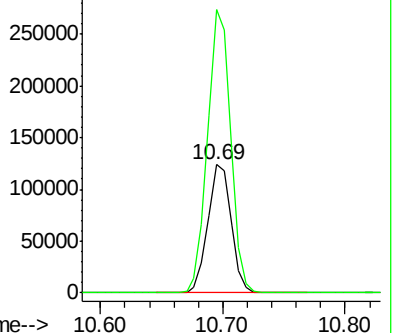
106 100

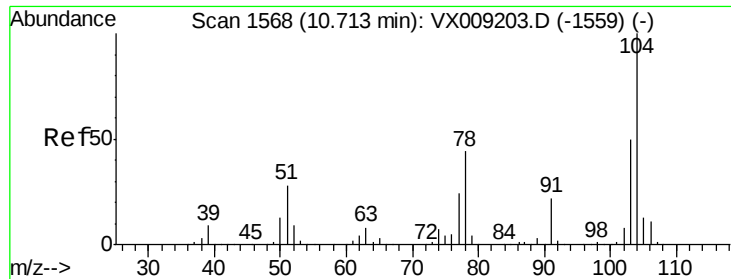
91 218.0 109.5 328.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





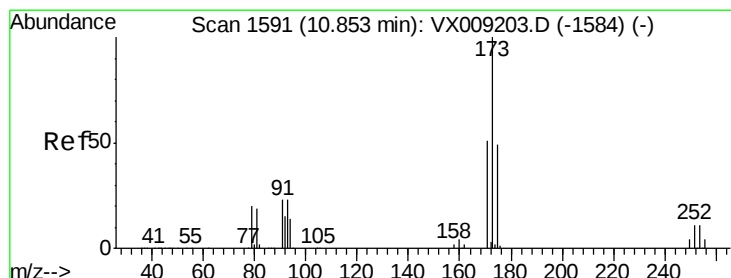
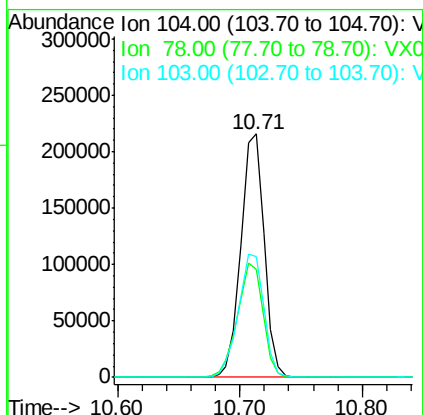
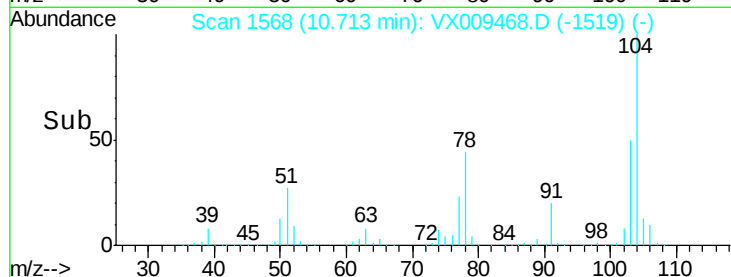
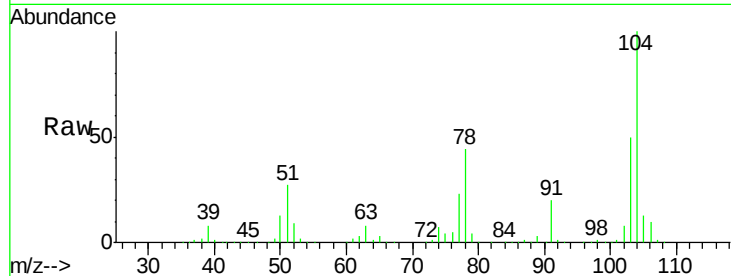
#70  
Stvrene  
Concen: 53.693 ug/l  
RT: 10.71 min Scan# 1568  
Delta R.T. 0.00 min  
Lab File: VX009468.D  
Acq: 10 May 2019 07:42

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS052MW592-190507MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 51.4  | 41.0  | 61.4  |
| 103     | 55.4  | 43.8  | 65.6  |

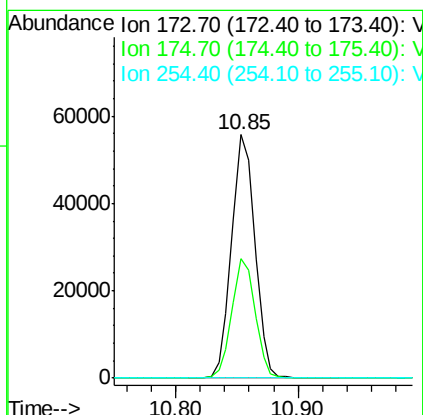
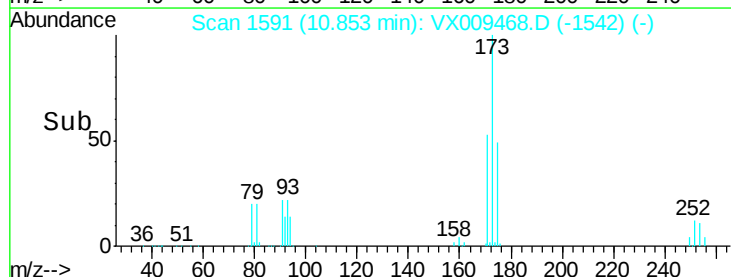
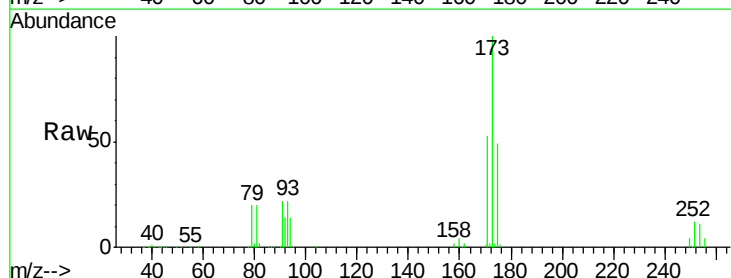
Manual Integrations  
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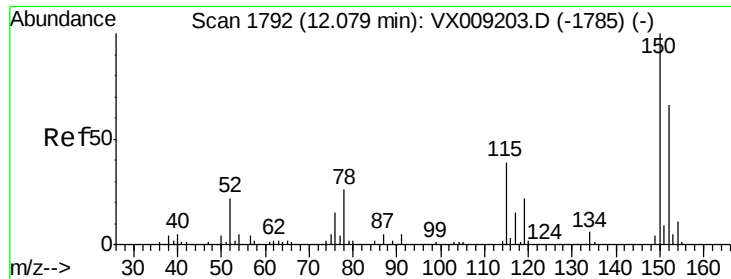
MMDadoda  
5/10/2019 1:13:02 PM



#71  
Bromoform  
Concen: 54.200 ug/l  
RT: 10.85 min Scan# 1591  
Delta R.T. 0.00 min  
Lab File: VX009468.D  
Acq: 10 May 2019 07:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.8  | 24.5  | 73.5  |
| 254     | 0.0   | 0.1   | 0.1#  |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009468.D

Acq: 10 May 2019 07:42

Instrument :

MSVOA\_X

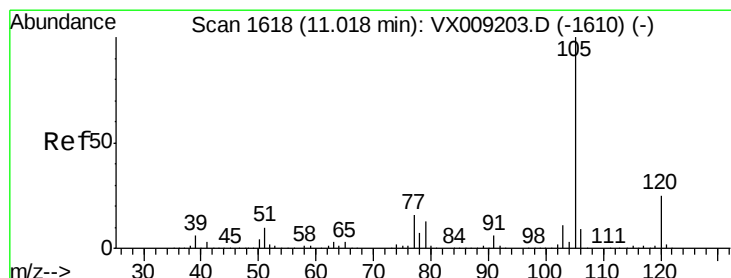
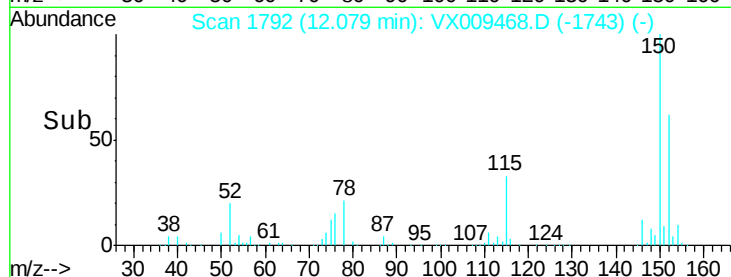
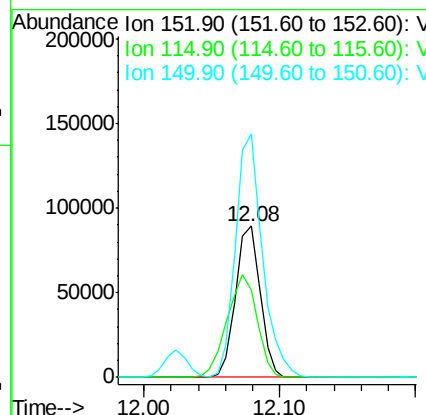
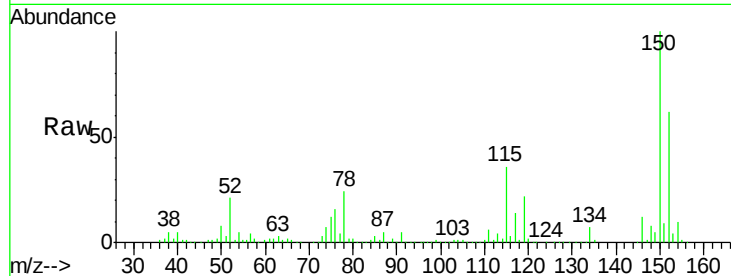
ClientSampleId :

SS052MW592-190507MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 152   | Resp: | 112917 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 82.4  | 41.2  | 123.6  |
| 150       | 176.4 | 0.0   | 346.4  |

Manual Integrations  
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5/10/2019 1:13:02 PM



#73

Isopropylbenzene

Concen: 52.037 ug/l

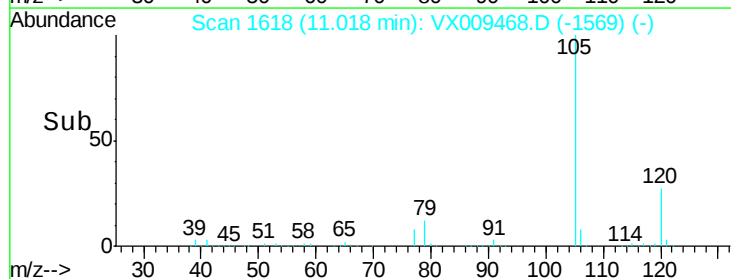
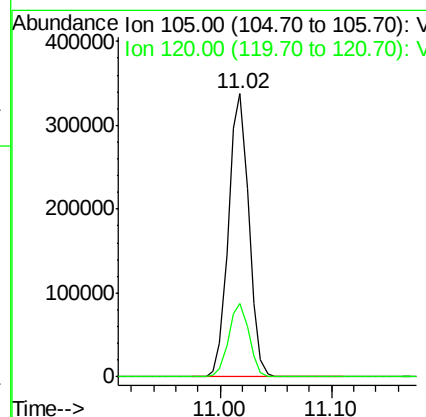
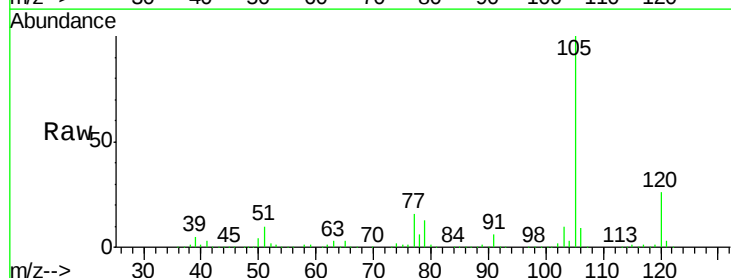
RT: 11.02 min Scan# 1618

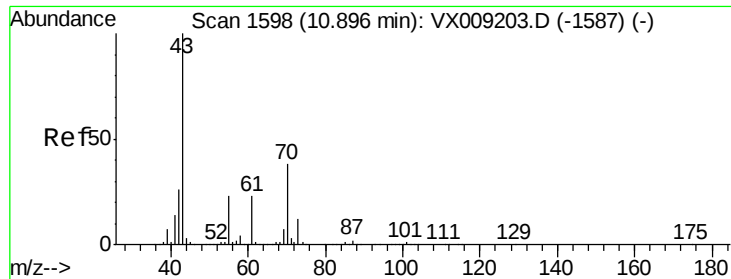
Delta R.T. 0.00 min

Lab File: VX009468.D

Acq: 10 May 2019 07:42

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 427287 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 26.0  | 12.8  | 38.3   |





#74

N-amvl acetate

Concen: 47.643 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009468.D

Acq: 10 May 2019 07:42

Instrument :

MSVOA\_X

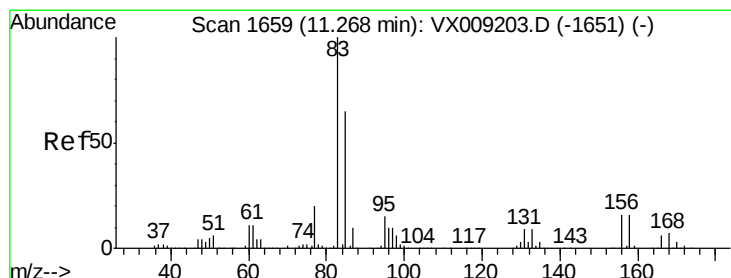
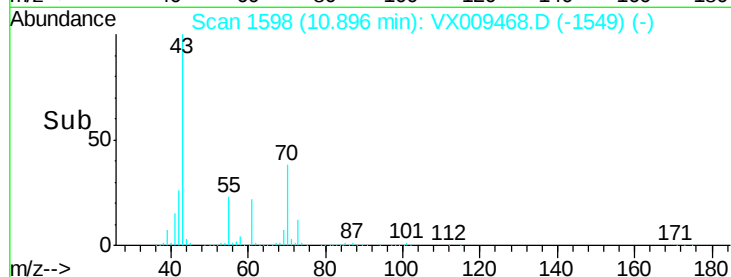
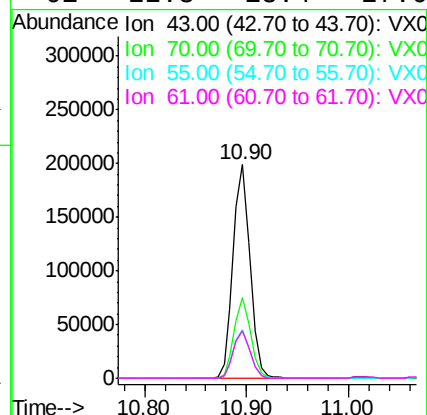
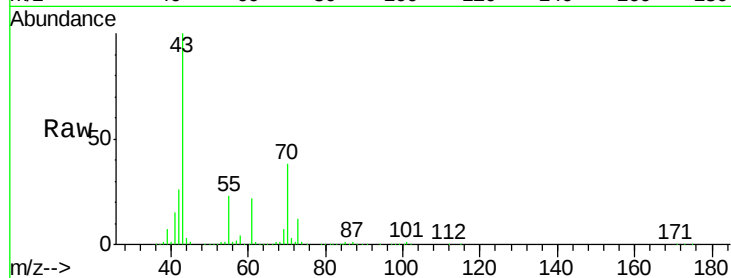
ClientSampleId :

SS052MW592-190507MSD

| Tot Ion   | 43    | Resp  | 228075 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 70        | 37.0  | 30.0  | 45.0   |
| 55        | 22.9  | 17.9  | 26.9   |
| 61        | 22.3  | 18.4  | 27.6   |

Manual Integrations  
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MMDadoda  
5/10/2019 1:13:02 PM



#75

1,1,2,2-Tetrachloroethane

Concen: 52.822 ug/l

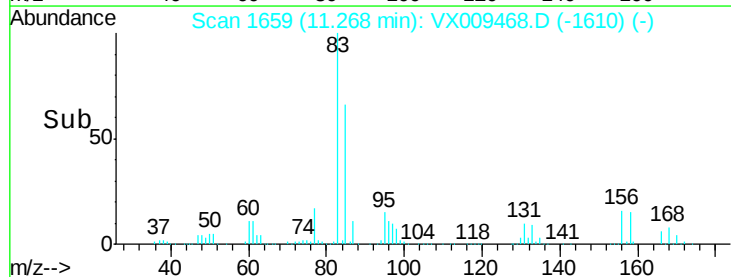
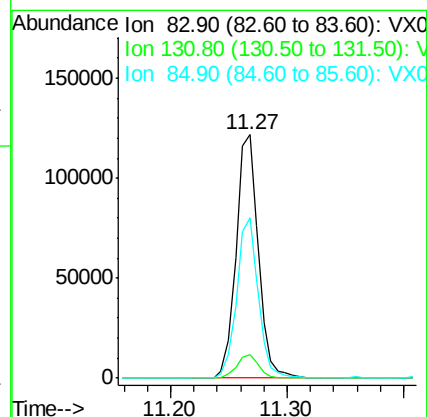
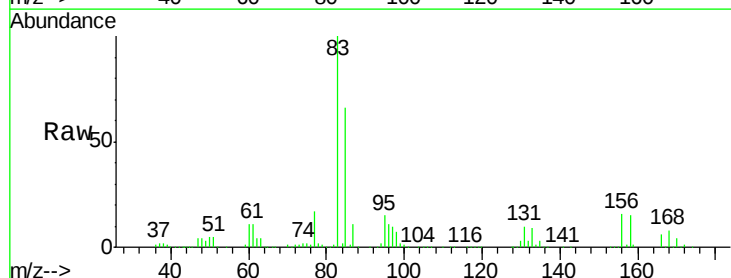
RT: 11.27 min Scan# 1659

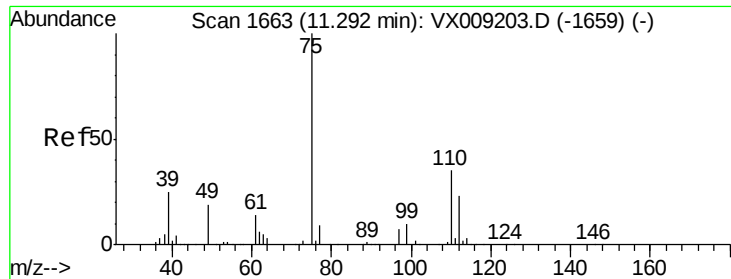
Delta R.T. 0.00 min

Lab File: VX009468.D

Acq: 10 May 2019 07:42

| Tgt Ion   | 83    | Resp  | 161690 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 9.4   | 4.6   | 13.8   |
| 85        | 64.1  | 32.0  | 96.2   |





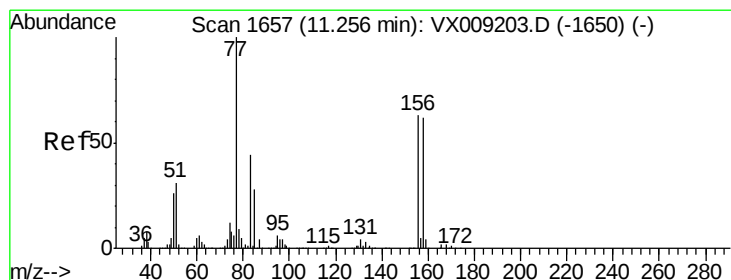
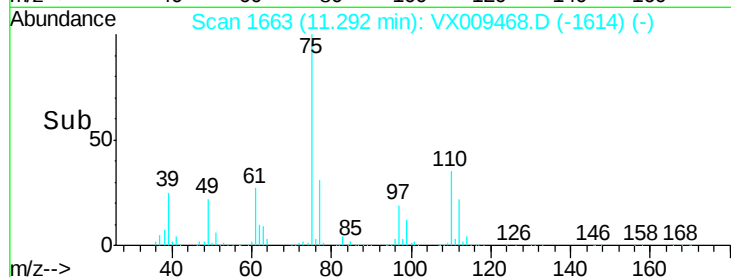
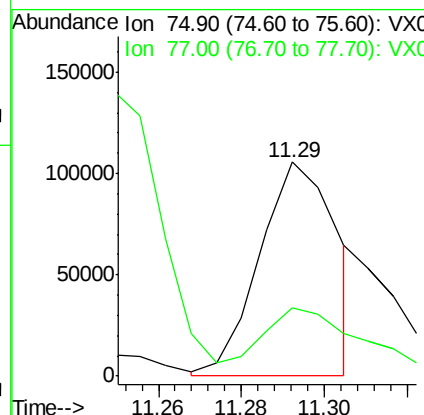
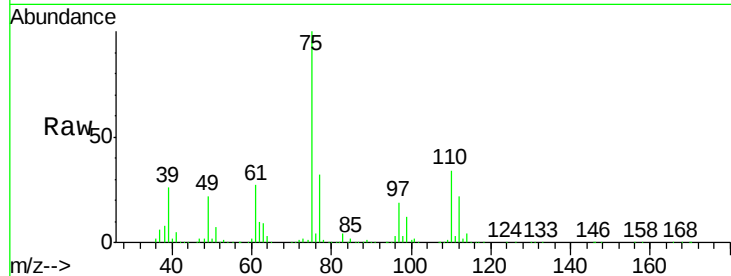
#76  
 1,2,3-Trichloropropane  
 Concen: 51.822 ug/l m  
 RT: 11.29 min Scan# 1663  
 Delta R.T. 0.00 min  
 Lab File: VX009468.D  
 Acq: 10 May 2019 07:42

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS052MW592-190507MSD

Tot Ion: 75 Resp: 135736  
 Ion Ratio Lower Upper  
 75 100  
 77 42.4 22.1 66.1

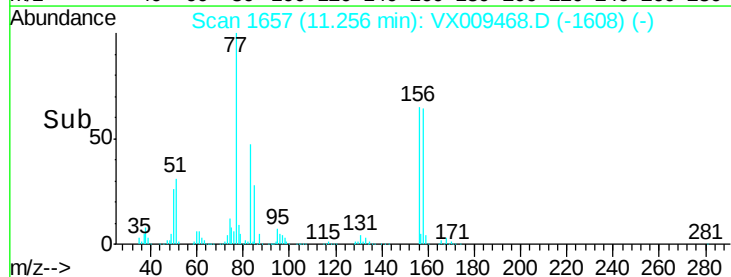
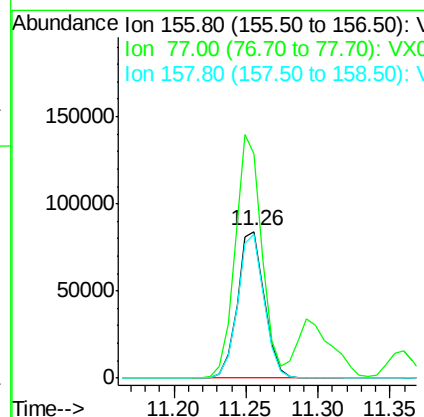
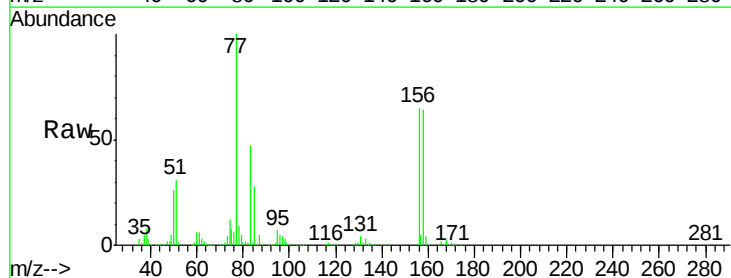
Manual Integrations  
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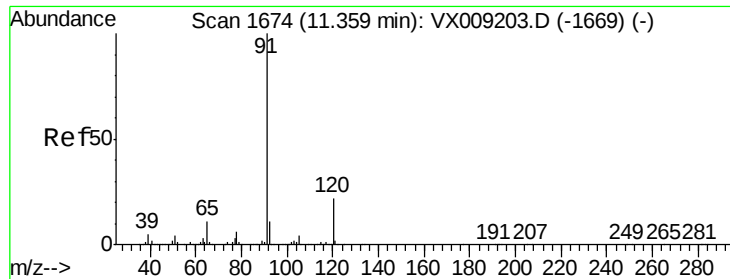
MMDadoda  
 5/10/2019 1:13:02 PM



#77  
 Bromobenzene  
 Concen: 53.424 ug/l  
 RT: 11.26 min Scan# 1657  
 Delta R.T. 0.00 min  
 Lab File: VX009468.D  
 Acq: 10 May 2019 07:42

Tgt Ion: 156 Resp: 108880  
 Ion Ratio Lower Upper  
 156 100  
 77 165.4 84.8 254.3  
 158 97.3 49.1 147.3





#78

n-propylbenzene

Concen: 52.338 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009468.D

Acq: 10 May 2019 07:42

Instrument :

MSVOA\_X

ClientSampleId :

SS052MW592-190507MSD

Tot Ion: 91 Resp: 490806

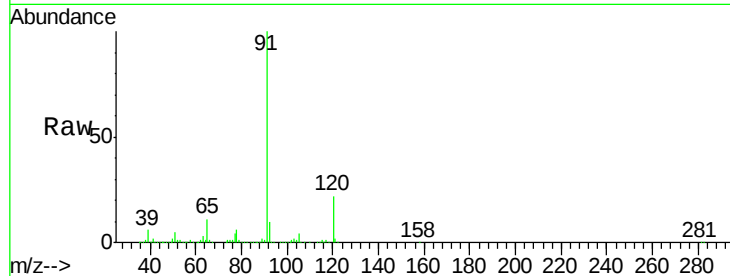
Ion Ratio Lower Upper

91 100

120 22.4 11.0 33.0

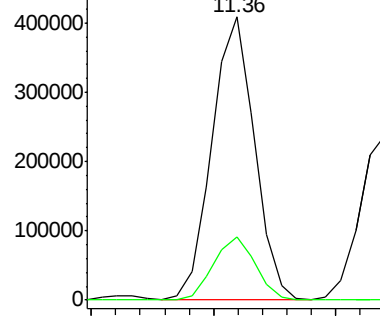
Manual Integrations  
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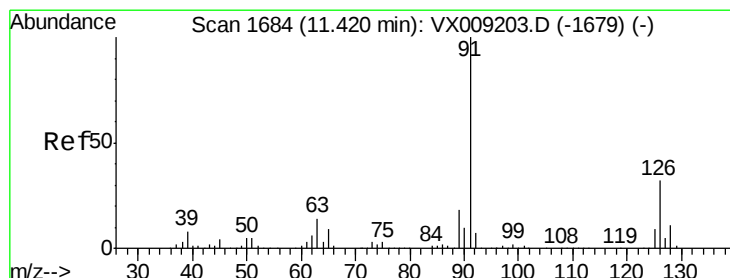
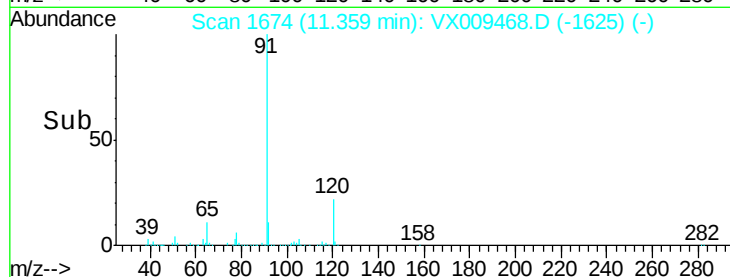


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



Time--> 11.30 11.35 11.40



#79

2-Chlorotoluene

Concen: 51.469 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009468.D

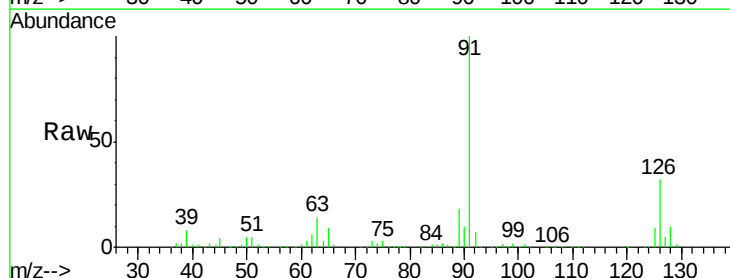
Acq: 10 May 2019 07:42

Tgt Ion: 91 Resp: 297776

Ion Ratio Lower Upper

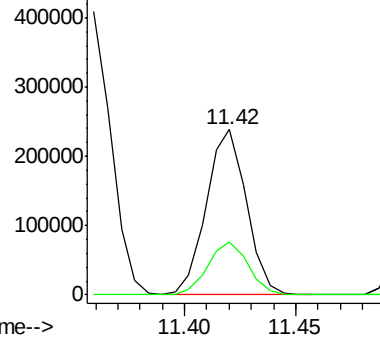
91 100

126 32.4 16.3 48.9

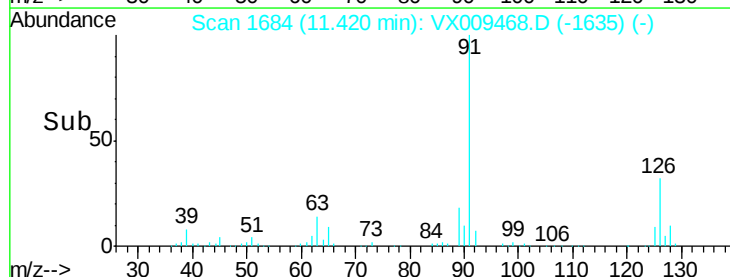


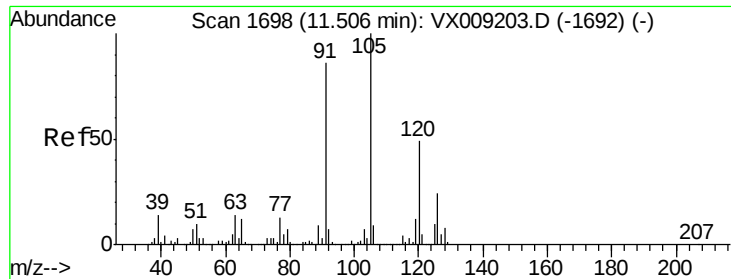
Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



Time--> 11.40 11.45





#80

1,3,5-Trimethylbenzene

Concen: 52.343 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009468.D

Acq: 10 May 2019 07:42

Instrument :

MSVOA\_X

ClientSampleId :

SS052MW592-190507MSD

Tot Ion:105 Resp: 361892

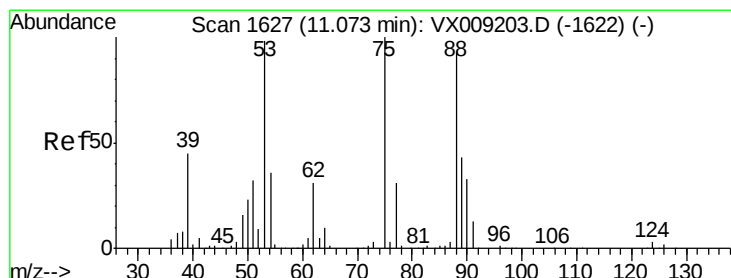
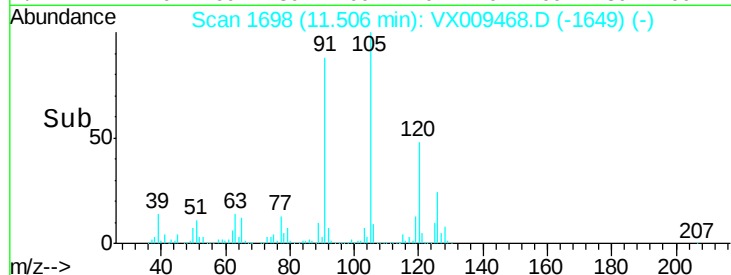
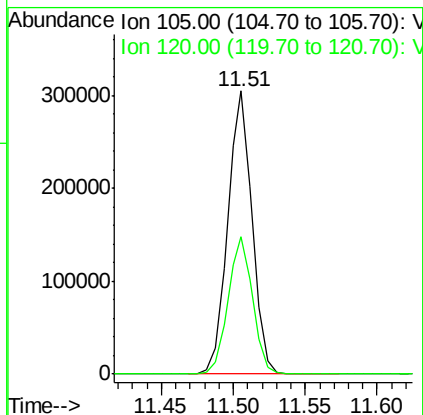
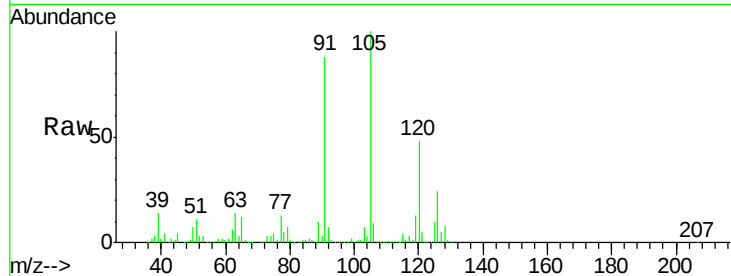
Ion Ratio Lower Upper

105 100

120 48.8 24.3 72.9

Manual Integrations  
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5/10/2019 1:13:02 PM



#81

trans-1,4-Dichloro-2-butene

Concen: 45.742 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009468.D

Acq: 10 May 2019 07:42

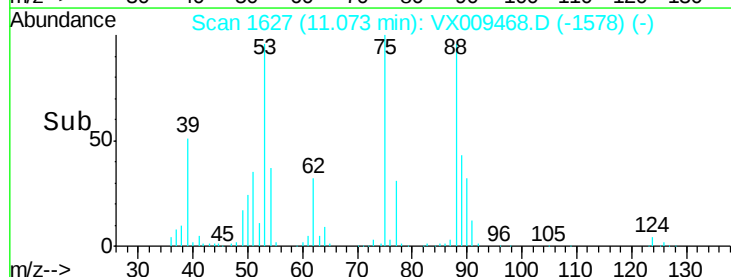
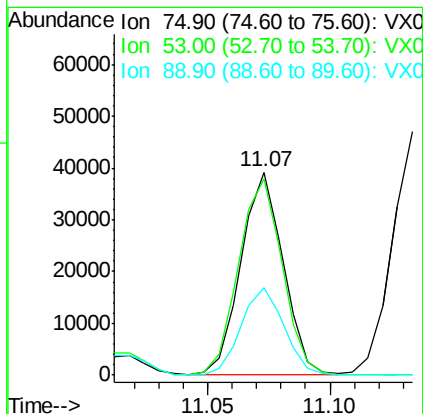
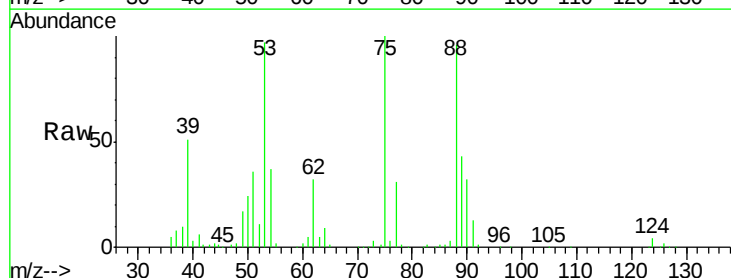
Tgt Ion: 75 Resp: 46826

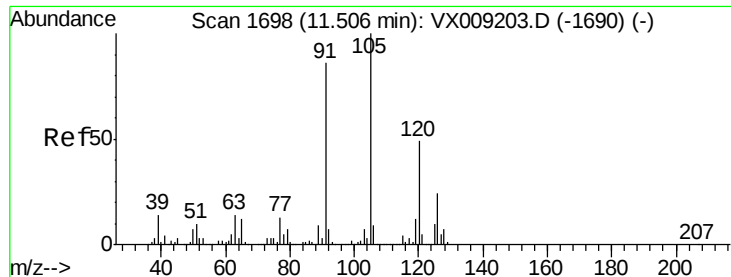
Ion Ratio Lower Upper

75 100

53 100.6 79.0 118.6

89 44.0 34.7 52.1





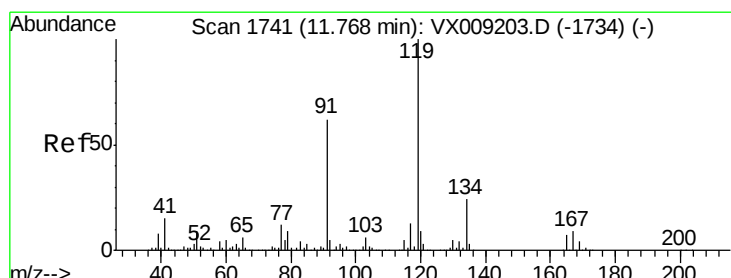
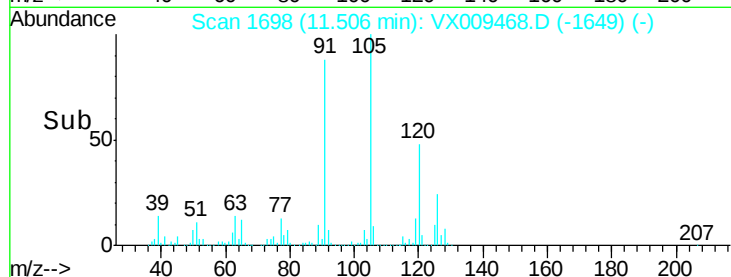
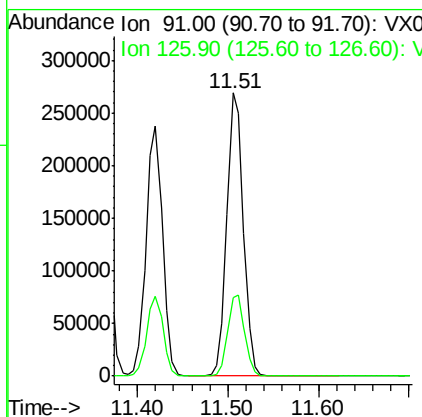
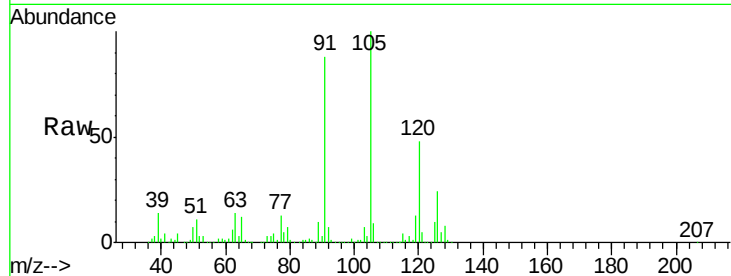
#82  
4-Chlorotoluene  
Concen: 51.942 ug/l  
RT: 11.51 min Scan# 1698  
Delta R.T. 0.00 min  
Lab File: VX009468.D  
Acq: 10 May 2019 07:42

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS052MW592-190507MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 91      | 100   | 339493 |       |       |
| 126     | 29.1  | 14.5   | 43.6  |       |

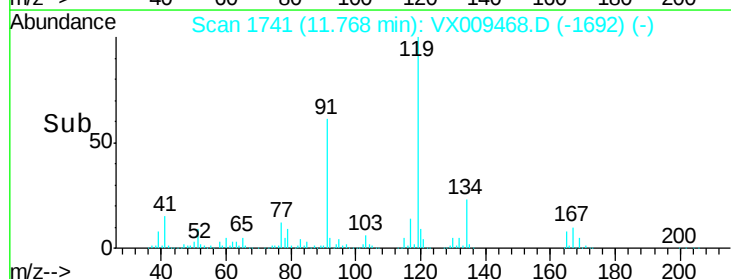
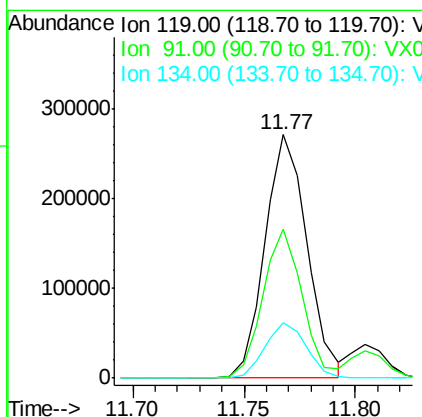
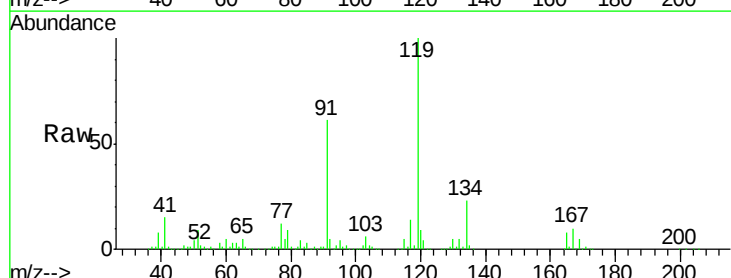
Manual Integrations  
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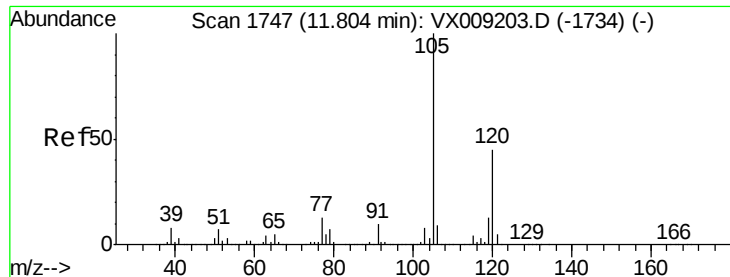
MMDadoda  
5/10/2019 1:13:02 PM



#83  
tert-Butylbenzene  
Concen: 52.791 ug/l  
RT: 11.77 min Scan# 1741  
Delta R.T. 0.00 min  
Lab File: VX009468.D  
Acq: 10 May 2019 07:42

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 355062 |       |       |
| 91      | 57.8  | 29.5   | 88.5  |       |
| 134     | 22.4  | 11.4   | 34.1  |       |





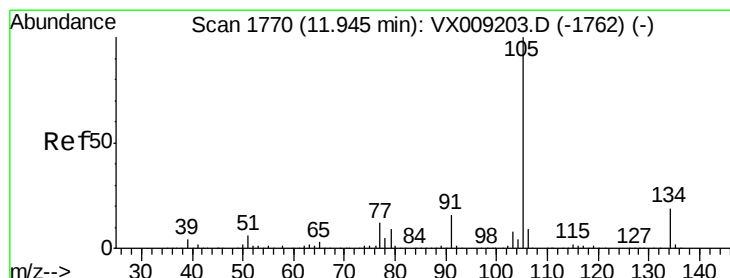
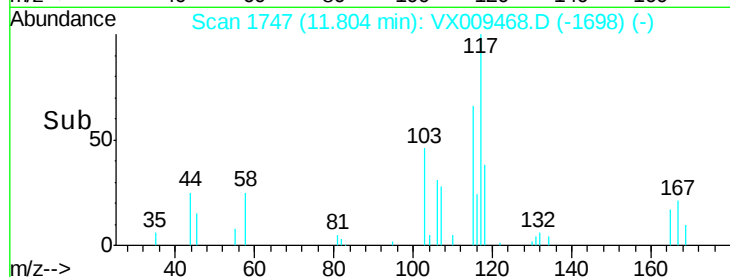
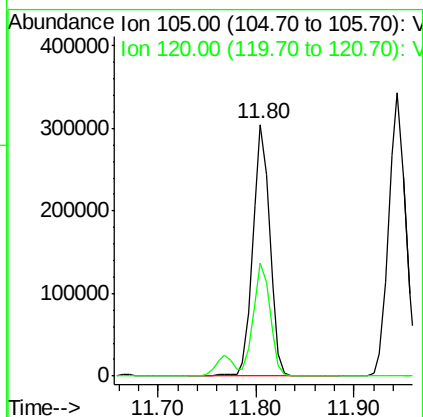
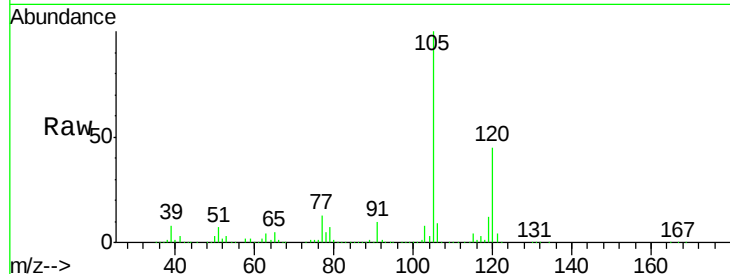
#84  
1,2,4-Trimethylbenzene  
Concen: 52.683 ug/l  
RT: 11.80 min Scan# 1747  
Delta R.T. 0.00 min  
Lab File: VX009468.D  
Acq: 10 May 2019 07:42

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS052MW592-190507MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 44.0  | 22.0  | 66.0  |

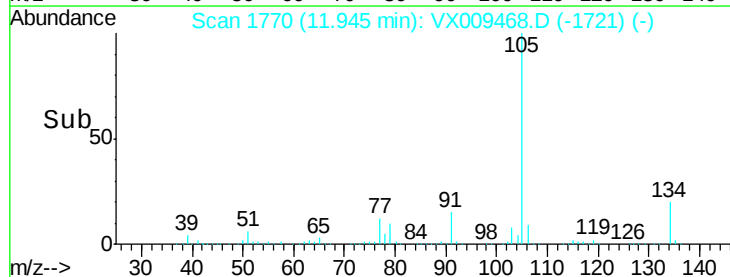
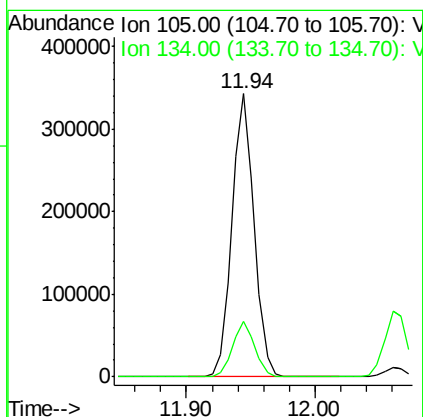
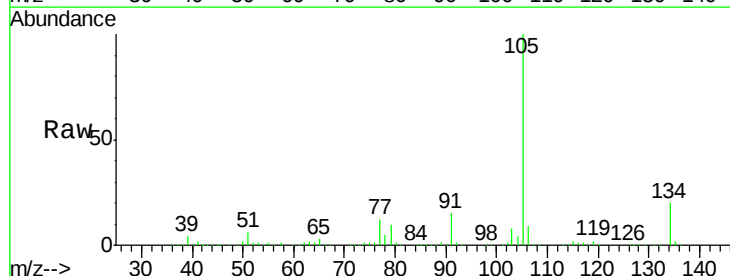
Manual Integrations  
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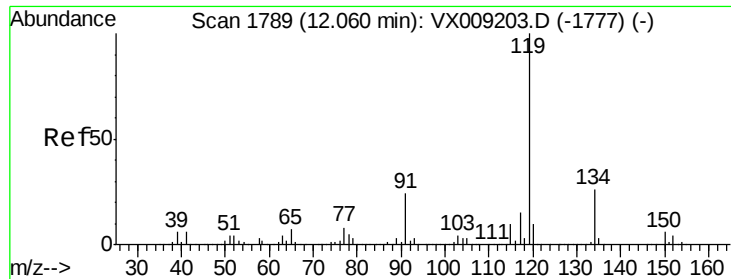
MMDadoda  
5/10/2019 1:13:02 PM



#85  
sec-Butylbenzene  
Concen: 51.510 ug/l  
RT: 11.94 min Scan# 1770  
Delta R.T. 0.00 min  
Lab File: VX009468.D  
Acq: 10 May 2019 07:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 19.5  | 9.7   | 28.9  |





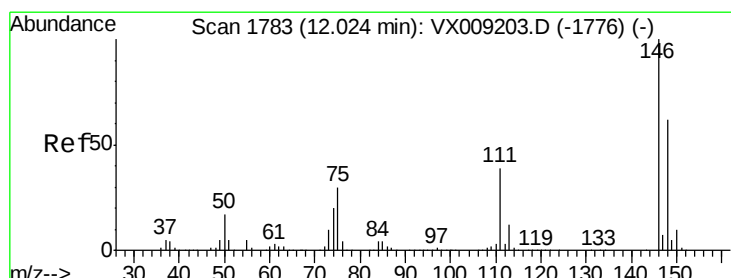
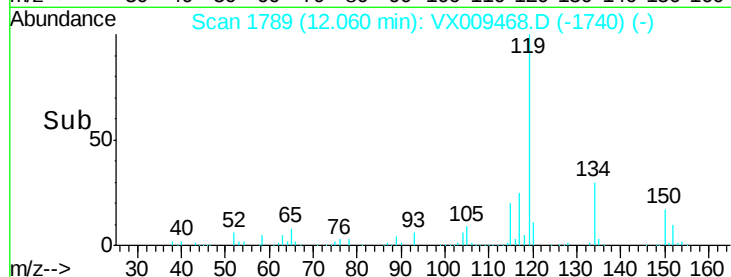
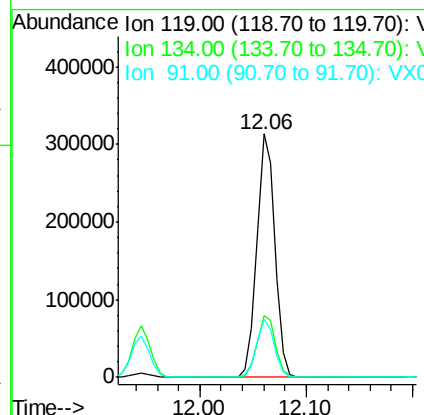
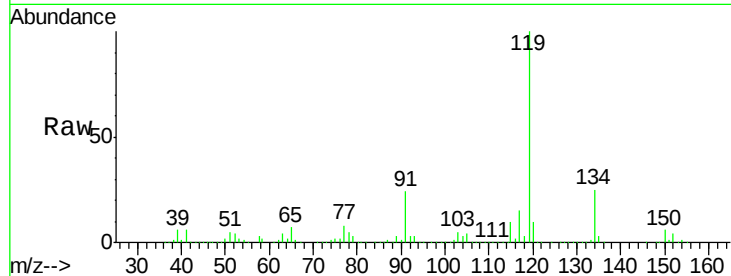
#86  
 p-Isopropyltoluene  
 Concen: 52.018 ug/l  
 RT: 12.06 min Scan# 1789  
 Delta R.T. 0.00 min  
 Lab File: VX009468.D  
 Acq: 10 May 2019 07:42

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS052MW592-190507MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 372889 |       |       |
| 134     | 25.8  | 12.9   | 38.7  |       |
| 91      | 23.6  | 11.8   | 35.4  |       |

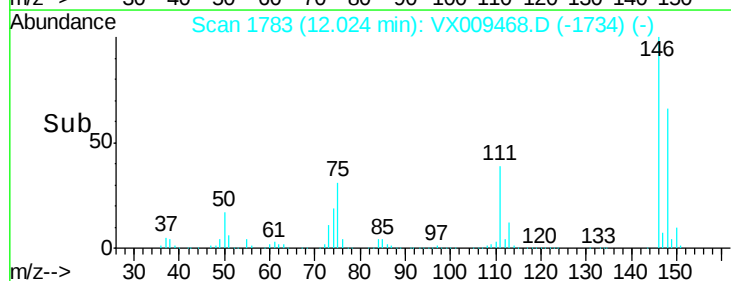
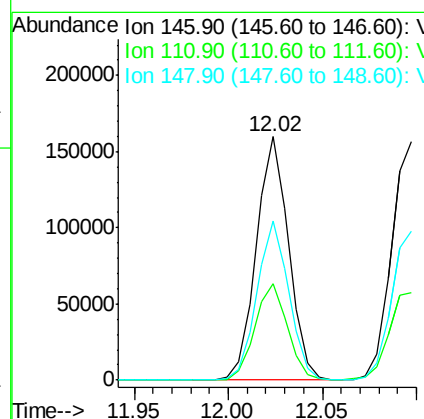
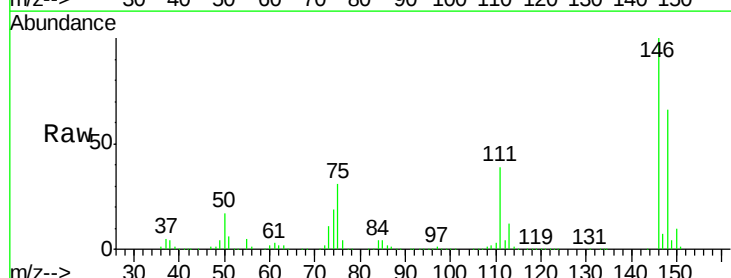
Manual Integrations  
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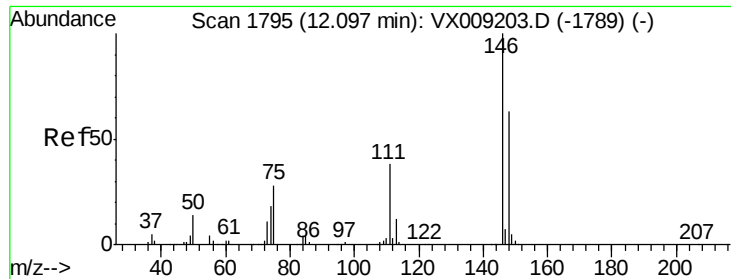
MMDadoda  
 5/10/2019 1:13:02 PM



#87  
 1,3-Dichlorobenzene  
 Concen: 52.170 ug/l  
 RT: 12.02 min Scan# 1783  
 Delta R.T. 0.00 min  
 Lab File: VX009468.D  
 Acq: 10 May 2019 07:42

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 189544 |       |       |
| 111     | 40.2  | 20.0   | 59.9  |       |
| 148     | 64.6  | 31.8   | 95.3  |       |





#88

1,4-Dichlorobenzene

Concen: 52.124 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX009468.D

Acq: 10 May 2019 07:42

Instrument :

MSVOA\_X

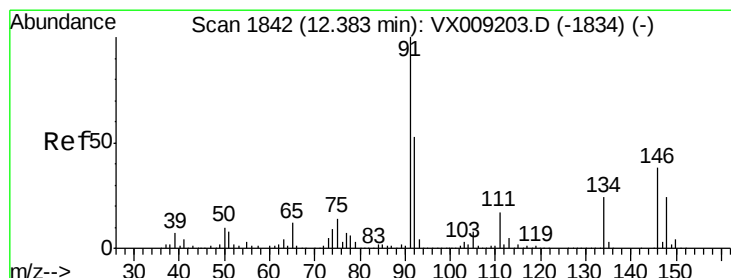
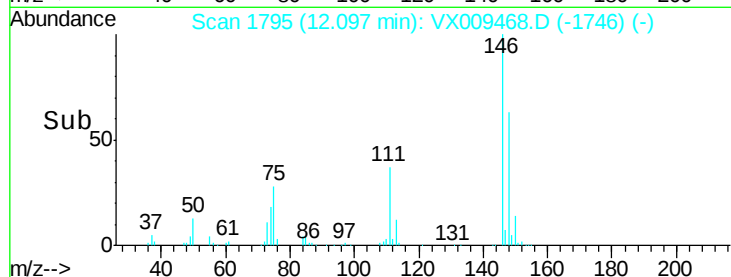
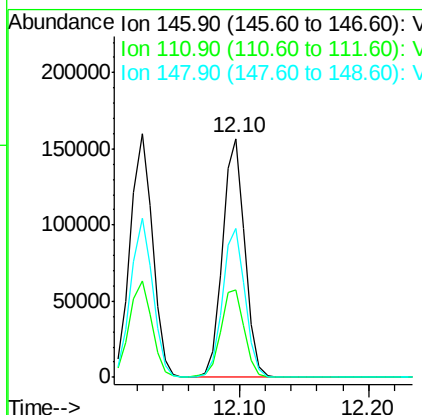
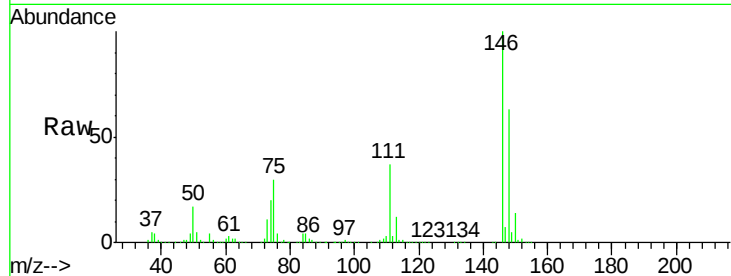
ClientSampleId :

SS052MW592-190507MSD

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 146  | Resp: | 190925 |
| Ion Ratio |      | Lower | Upper  |
| 146       | 100  |       |        |
| 111       | 38.9 | 19.6  | 58.8   |
| 148       | 63.5 | 31.8  | 95.3   |

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#89

n-Butylbenzene

Concen: 50.472 ug/l

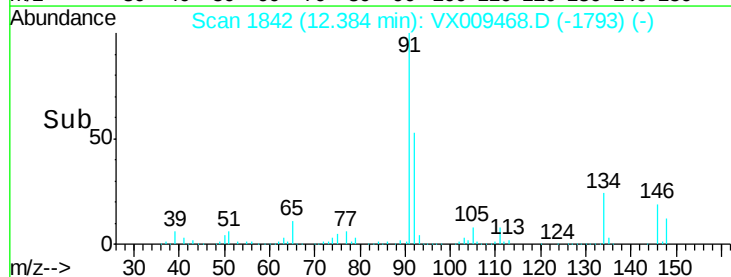
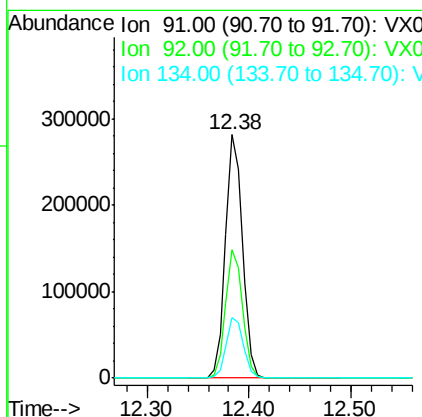
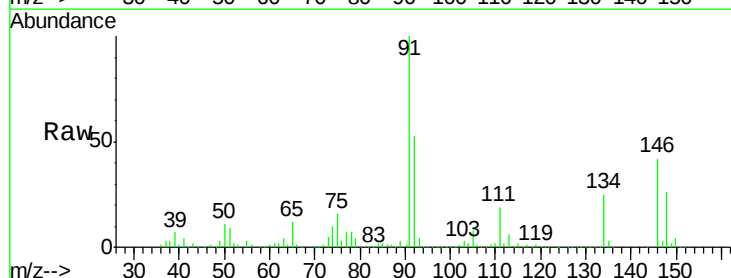
RT: 12.38 min Scan# 1842

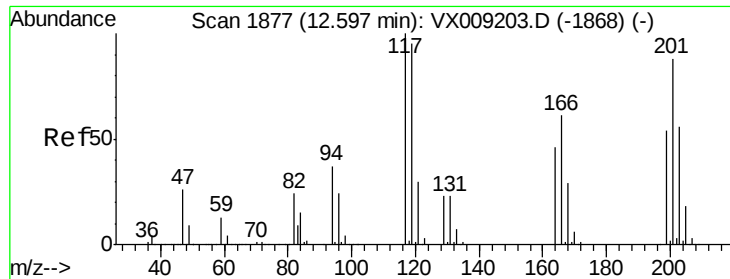
Delta R.T. 0.00 min

Lab File: VX009468.D

Acq: 10 May 2019 07:42

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 91   | Resp: | 327015 |
| Ion Ratio |      | Lower | Upper  |
| 91        | 100  |       |        |
| 92        | 52.5 | 26.5  | 79.5   |
| 134       | 25.2 | 12.4  | 37.2   |





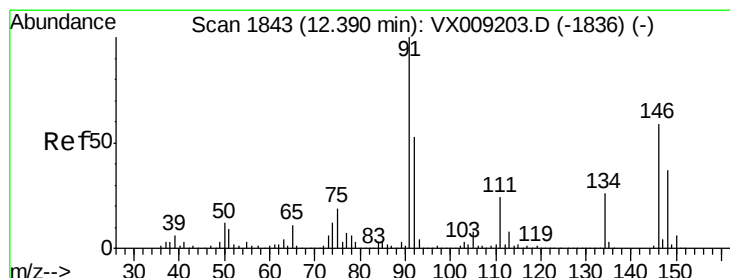
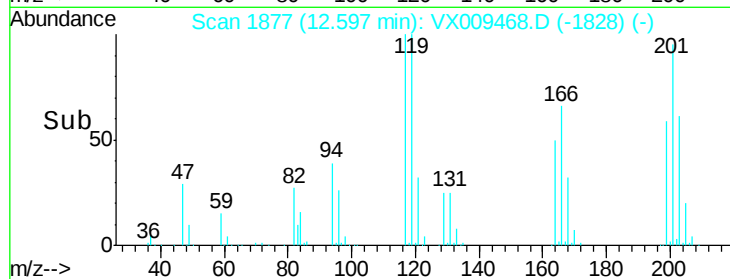
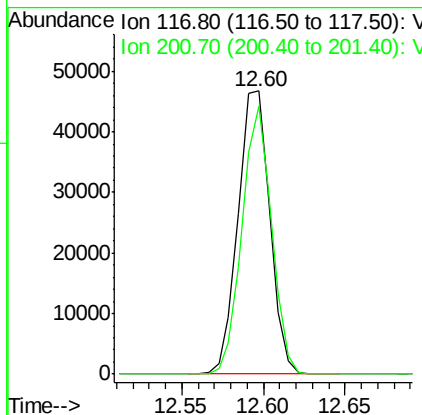
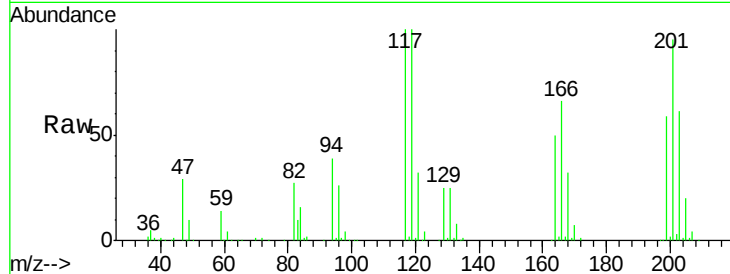
#90  
Hexachloroethane  
Concen: 52.164 ug/l  
RT: 12.60 min Scan# 1877  
Delta R.T. 0.00 min  
Lab File: VX009468.D  
Acq: 10 May 2019 07:42

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS052MW592-190507MSD

Tot Ion:117 Resp: 63706  
Ion Ratio Lower Upper  
117 100  
201 87.8 42.3 126.9

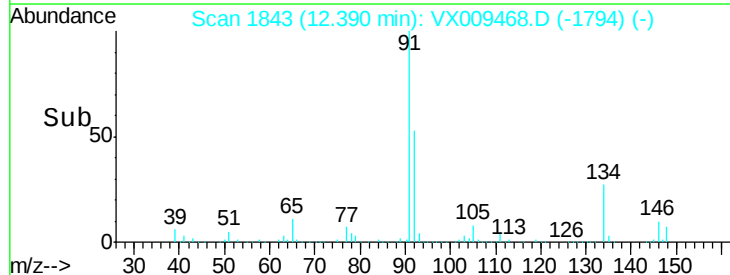
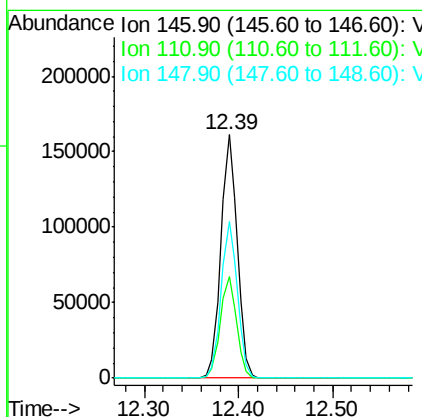
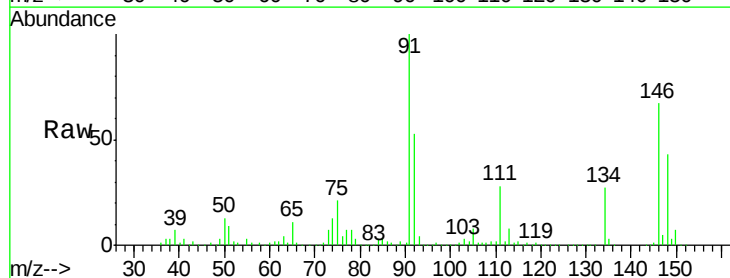
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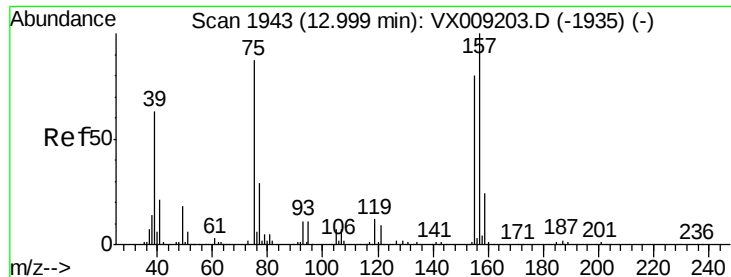
MMDadoda  
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#91  
1,2-Dichlorobenzene  
Concen: 52.607 ug/l  
RT: 12.39 min Scan# 1843  
Delta R.T. 0.00 min  
Lab File: VX009468.D  
Acq: 10 May 2019 07:42

Tgt Ion:146 Resp: 194674  
Ion Ratio Lower Upper  
146 100  
111 41.6 20.8 62.4  
148 64.0 31.9 95.9





#92

1,2-Dibromo-3-Chloropropane

Concen: 52.418 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX009468.D

Acq: 10 May 2019 07:42

Instrument :

MSVOA\_X

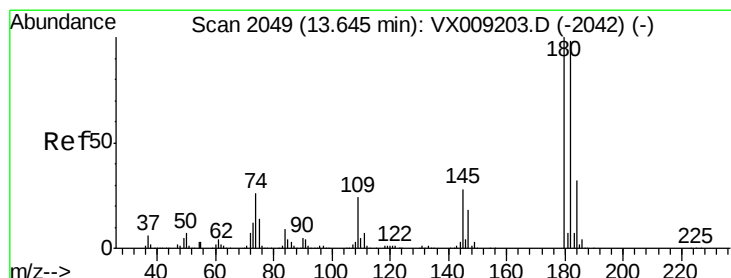
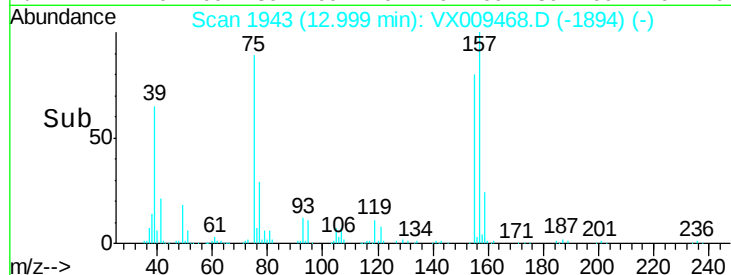
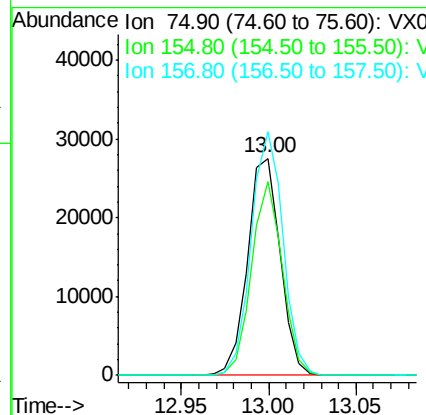
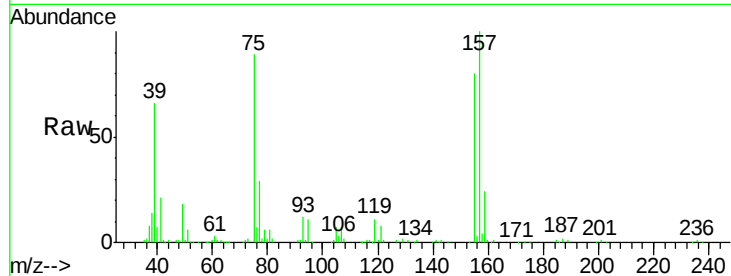
ClientSampleId :

SS052MW592-190507MSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 75    | Resp: | 35994 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 83.8  | 42.0  | 126.0 |
| 157       | 109.0 | 53.2  | 159.6 |

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#93

1,2,4-Trichlorobenzene

Concen: 52.645 ug/l

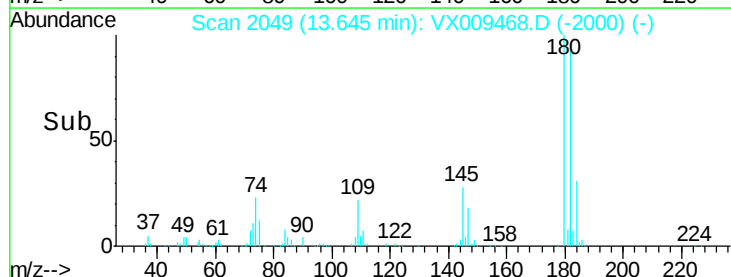
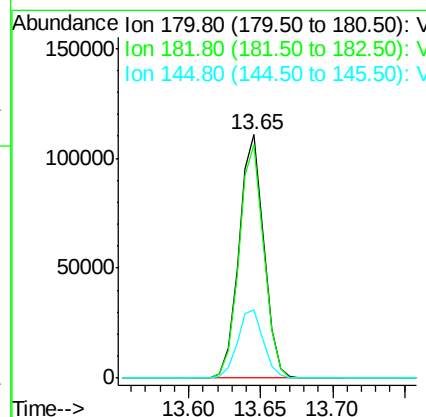
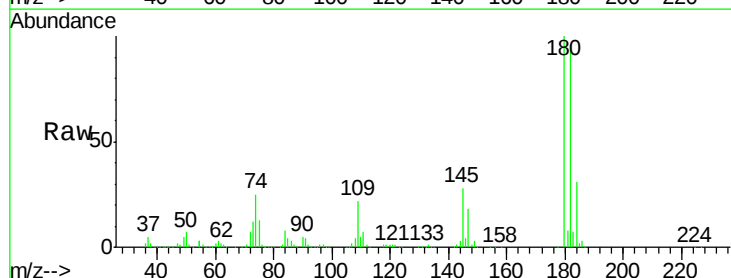
RT: 13.65 min Scan# 2049

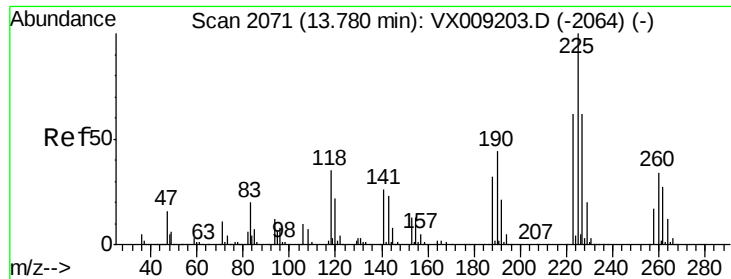
Delta R.T. 0.00 min

Lab File: VX009468.D

Acq: 10 May 2019 07:42

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 133222 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.9  | 48.4  | 145.2  |
| 145       | 29.3  | 14.6  | 43.8   |





#94

Hexachlorobutadiene

Concen: 49.640 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX009468.D

Acq: 10 May 2019 07:42

Instrument :

MSVOA\_X

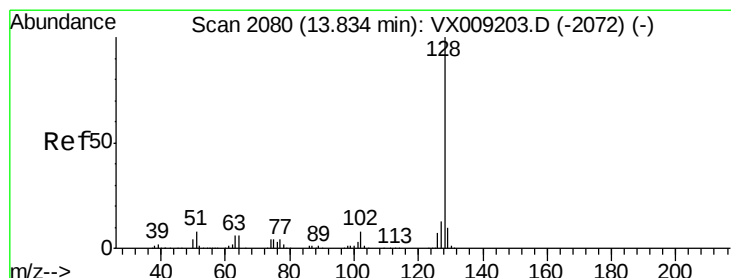
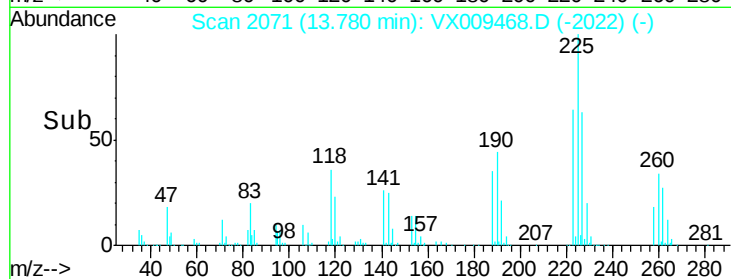
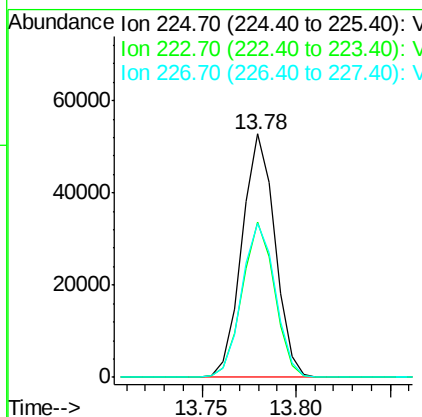
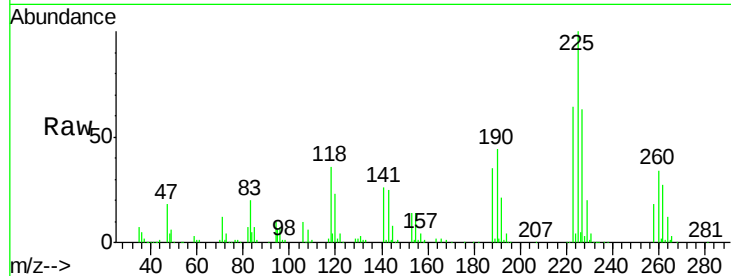
ClientSampleId :

SS052MW592-190507MSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 225   | Resp: | 64148 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 62.4  | 31.3  | 93.8  |
| 227       | 64.3  | 31.8  | 95.3  |

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#95

Naphthalene

Concen: 53.163 ug/l

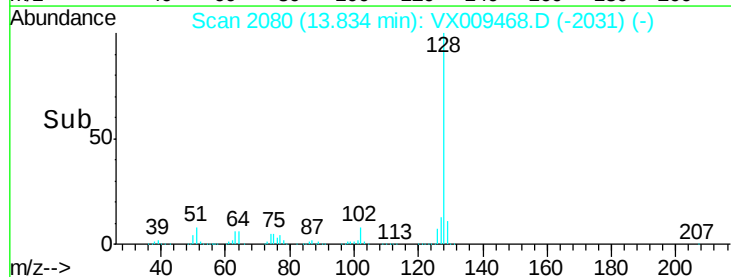
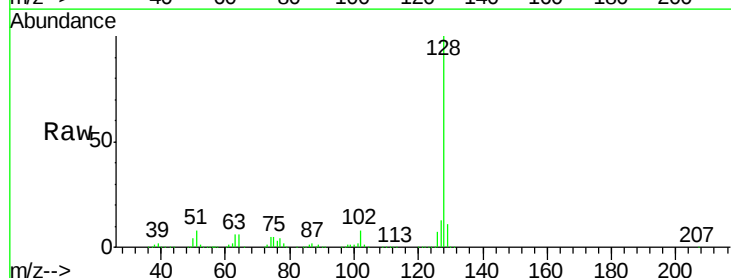
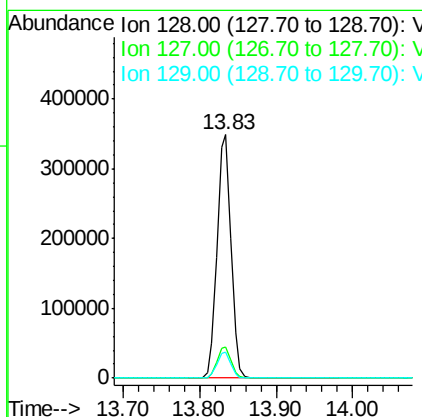
RT: 13.83 min Scan# 2080

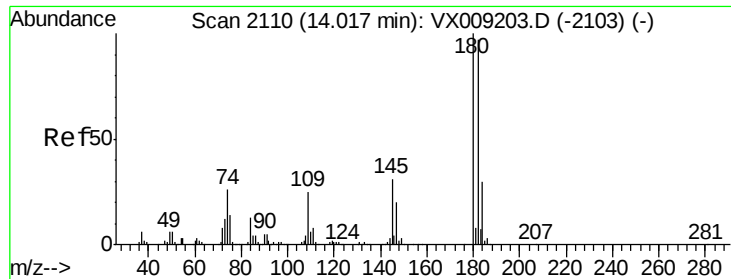
Delta R.T. 0.00 min

Lab File: VX009468.D

Acq: 10 May 2019 07:42

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 437693 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.9  | 10.4  | 15.6   |
| 129       | 10.7  | 8.6   | 13.0   |





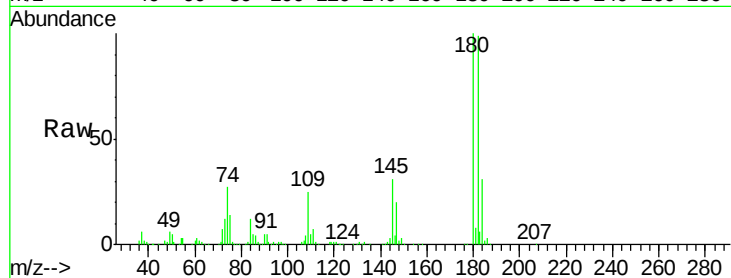
#96  
 1,2,3-Trichlorobenzene  
 Concen: 52.349 ug/l  
 RT: 14.02 min Scan# 2110  
 Delta R.T. 0.00 min  
 Lab File: VX009468.D  
 Acq: 10 May 2019 07:42

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS052MW592-190507MSD

| Tot Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 180     | 100   |            |            |
| 182     | 96.4  | 47.8       | 143.4      |
| 145     | 30.3  | 15.4       | 46.4       |

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Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

