

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX031419\  
 Data File : VX008077.D  
 Acq On : 14 Mar 2019 18:13  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 3/15/2019 9:06:19 AM

Quant Time: Mar 15 04:55:56 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X031419W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 15 03:56:35 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.66  | 168  | 324842   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 449772   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 394608   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 201516   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 6.07   | 65  | 144572   | 44.12 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 88.24% |      |
| 35) Dibromofluoromethane  | 5.50   | 113 | 135375   | 47.46 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 94.92% |      |
| 50) Toluene-d8            | 8.71   | 98  | 517460   | 47.70 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.40% |      |
| 62) 4-Bromofluorobenzene  | 11.13  | 95  | 182693   | 47.01 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 94.02% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 124441  | 47.857  | ug/l | 98     |
| 3) Chloromethane              | 1.33 | 50  | 124271  | 40.590  | ug/l | 99     |
| 4) Vinyl Chloride             | 1.41 | 62  | 126631  | 43.347  | ug/l | 100    |
| 5) Bromomethane               | 1.64 | 94  | 63877   | 44.865  | ug/l | 99     |
| 6) Chloroethane               | 1.72 | 64  | 74854   | 47.565  | ug/l | 97     |
| 7) Trichlorofluoromethane     | 1.93 | 101 | 161080  | 45.942  | ug/l | 98     |
| 8) Diethyl Ether              | 2.19 | 74  | 87322   | 50.102  | ug/l | 91     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.39 | 101 | 134792  | 51.439  | ug/l | 97     |
| 10) Methyl Iodide             | 2.51 | 142 | 193246  | 52.789  | ug/l | 97     |
| 11) Tert butyl alcohol        | 3.07 | 59  | 155100  | 244.994 | ug/l | 100    |
| 12) 1,1-Dichloroethene        | 2.37 | 96  | 125462  | 50.656  | ug/l | 95     |
| 13) Acrolein                  | 2.30 | 56  | 123264  | 211.377 | ug/l | 99     |
| 14) Allyl chloride            | 2.73 | 41  | 222864  | 49.402  | ug/l | 97     |
| 15) Acrylonitrile             | 3.15 | 53  | 378376  | 245.106 | ug/l | 100    |
| 16) Acetone                   | 2.45 | 43  | 368075  | 237.930 | ug/l | 98     |
| 17) Carbon Disulfide          | 2.57 | 76  | 360842  | 50.741  | ug/l | 100    |
| 18) Methyl Acetate            | 2.78 | 43  | 171806  | 51.384  | ug/l | 95     |
| 19) Methyl tert-butyl Ether   | 3.20 | 73  | 420429  | 50.207  | ug/l | 98     |
| 20) Methylene Chloride        | 2.85 | 84  | 134318  | 48.614  | ug/l | 94     |
| 21) trans-1,2-Dichloroethene  | 3.17 | 96  | 132310  | 49.581  | ug/l | 93     |
| 22) Diisopropyl ether         | 3.87 | 45  | 437652  | 48.817  | ug/l | 95     |
| 23) Vinyl Acetate             | 3.82 | 43  | 1899380 | 249.112 | ug/l | 98     |
| 24) 1,1-Dichloroethane        | 3.70 | 63  | 242891  | 49.424  | ug/l | 100    |
| 25) 2-Butanone                | 4.70 | 43  | 560711  | 236.134 | ug/l | 95     |
| 26) 2,2-Dichloropropane       | 4.58 | 77  | 180199  | 47.996  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 4.60 | 96  | 152987  | 48.229  | ug/l | 97     |
| 28) Bromochloromethane        | 5.02 | 49  | 113225  | 48.781  | ug/l | 90     |
| 29) Tetrahydrofuran           | 5.15 | 42  | 352315  | 237.678 | ug/l | 95     |
| 30) Chloroform                | 5.21 | 83  | 233794  | 46.966  | ug/l | 100    |
| 31) Cyclohexane               | 5.57 | 56  | 233110  | 49.754  | ug/l | 95     |
| 32) 1,1,1-Trichloroethane     | 5.49 | 97  | 200162  | 47.736  | ug/l | 97     |
| 36) 1,1-Dichloropropene       | 5.79 | 75  | 183627  | 49.627  | ug/l | 98     |
| 37) Ethyl Acetate             | 4.85 | 43  | 197785  | 49.735  | ug/l | 97     |
| 38) Carbon Tetrachloride      | 5.78 | 117 | 174948  | 49.121  | ug/l | 97     |

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 Acq On : 14 Mar 2019 18:13  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 3/15/2019 9:06:19 AM

Quant Time: Mar 15 04:55:56 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X031419W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 15 03:56:35 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 247068   | 52.239  | ug/l   | 98       |
| 40) Benzene                    | 6.14  | 78   | 561387   | 49.525  | ug/l   | 99       |
| 41) Methacrylonitrile          | 5.06  | 41   | 113853   | 49.172  | ug/l   | 98       |
| 42) 1,2-Dichloroethane         | 6.20  | 62   | 173005   | 47.710  | ug/l   | 98       |
| 43) Isopropyl Acetate          | 6.46  | 43   | 314362   | 49.085  | ug/l   | 97       |
| 44) Trichloroethene            | 7.21  | 130  | 161139   | 49.257  | ug/l   | 95       |
| 45) 1,2-Dichloropropane        | 7.51  | 63   | 144415   | 48.292  | ug/l   | 98       |
| 46) Dibromomethane             | 7.66  | 93   | 91707    | 48.927  | ug/l   | 96       |
| 47) Bromodichloromethane       | 7.90  | 83   | 169915   | 47.666  | ug/l   | 99       |
| 48) Methyl methacrylate        | 7.77  | 41   | 161289   | 48.220  | ug/l   | 96       |
| 49) 1,4-Dioxane                | 7.75  | 88   | 70170    | 972.665 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone       | 8.65  | 43   | 982329   | 232.728 | ug/l   | 96       |
| 52) Toluene                    | 8.78  | 92   | 351395   | 48.768  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 194304   | 49.723  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 218868   | 50.397  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 142796   | 48.672  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 9.18  | 69   | 215634   | 49.757  | ug/l   | 94       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 229780   | 47.325  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 8.31  | 63   | 600561   | 235.555 | ug/l   | 96       |
| 59) 2-Hexanone                 | 9.49  | 43   | 756908   | 229.292 | ug/l   | 97       |
| 60) Dibromochloromethane       | 9.59  | 129  | 143813   | 47.560  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 148910   | 48.439  | ug/l   | 99       |
| 64) Tetrachloroethene          | 9.34  | 164  | 162604   | 50.857  | ug/l   | 97       |
| 65) Chlorobenzene              | 10.14 | 112  | 388909   | 49.664  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.22 | 131  | 140721   | 50.636  | ug/l   | 100      |
| 67) Ethyl Benzene              | 10.25 | 91   | 657939   | 50.761  | ug/l   | 99       |
| 68) m/p-Xylenes                | 10.36 | 106  | 509993   | 102.828 | ug/l   | 99       |
| 69) o-Xylene                   | 10.69 | 106  | 247888   | 51.270  | ug/l   | 98       |
| 70) Styrene                    | 10.71 | 104  | 407132   | 51.402  | ug/l   | 99       |
| 71) Bromoform                  | 10.85 | 173  | 113857   | 49.506  | ug/l # | 100      |
| 73) Isopropylbenzene           | 11.02 | 105  | 665959   | 51.597  | ug/l   | 100      |
| 74) N-amyl acetate             | 10.90 | 43   | 264906   | 48.655  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 201180   | 47.571  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 11.29 | 75   | 195644m  | 55.902  | ug/l   |          |
| 77) Bromobenzene               | 11.26 | 156  | 176058   | 49.975  | ug/l   | 97       |
| 78) n-propylbenzene            | 11.36 | 91   | 739455   | 52.220  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 432333   | 49.993  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 552210   | 51.921  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 61575    | 50.067  | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 500076   | 50.490  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 11.77 | 119  | 548011   | 51.418  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 564157   | 51.425  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 667828   | 52.591  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 608862   | 53.016  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 318549   | 50.806  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 316186   | 49.663  | ug/l   | 100      |
| 89) n-Butylbenzene             | 12.38 | 91   | 512494   | 53.331  | ug/l   | 99       |
| 90) Hexachloroethane           | 12.60 | 117  | 92179    | 50.152  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 309886   | 49.816  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75   | 41823    | 48.915  | ug/l   | 91       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX031419\  
Data File : VX008077.D  
Acq On : 14 Mar 2019 18:13  
Operator : JC/SP  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

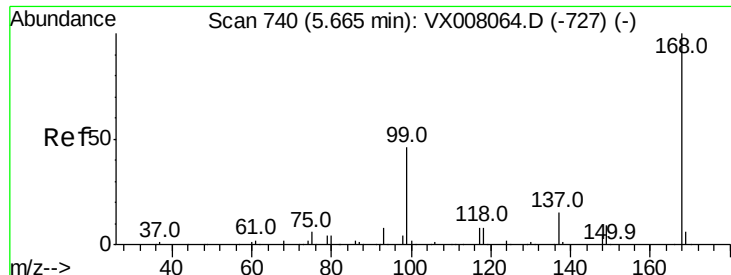
MMDadoda  
3/15/2019 9:06:19 AM

Quant Time: Mar 15 04:55:56 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X031419W.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 15 03:56:35 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180  | 231769   | 52.598 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 13.78 | 225  | 122476   | 51.158 | ug/l  | 98       |
| 95) Naphthalene            | 13.83 | 128  | 666209   | 53.769 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 227486   | 52.442 | ug/l  | 98       |

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





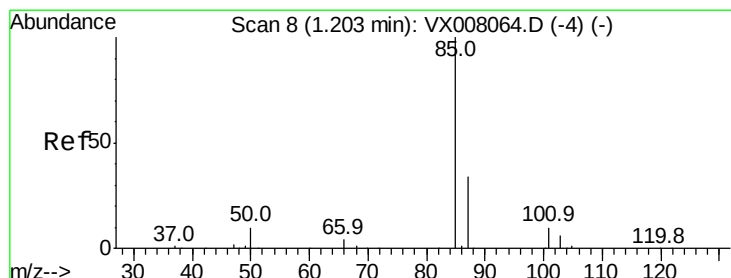
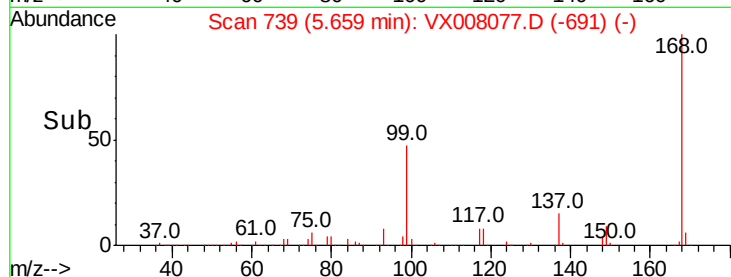
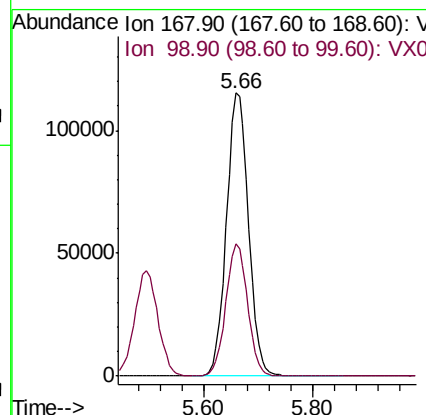
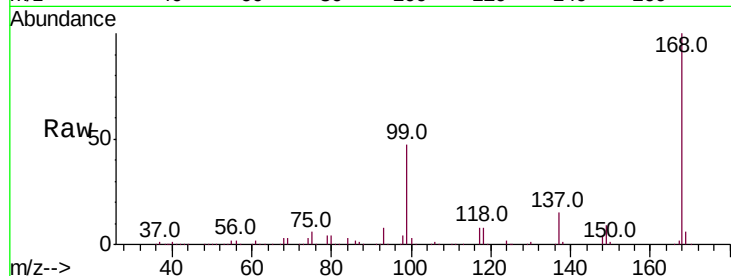
#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.66 min Scan# 739  
Delta R.T. -0.01 min  
Lab File: VX008077.D  
Acq: 14 Mar 2019 18:13

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tot Ion:168 Resp: 324842  
Ion Ratio Lower Upper  
168 100  
99 46.6 37.6 56.4

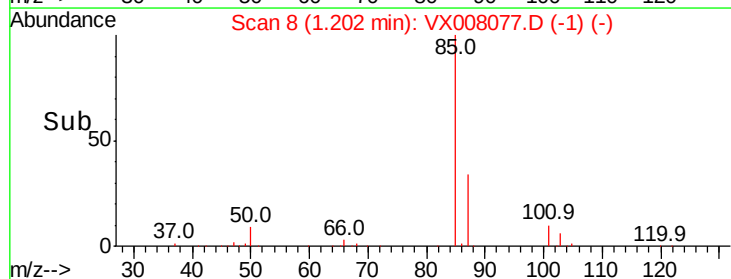
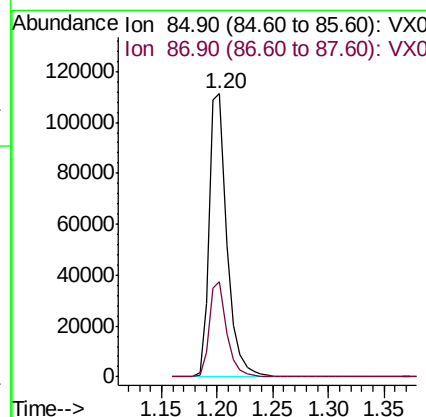
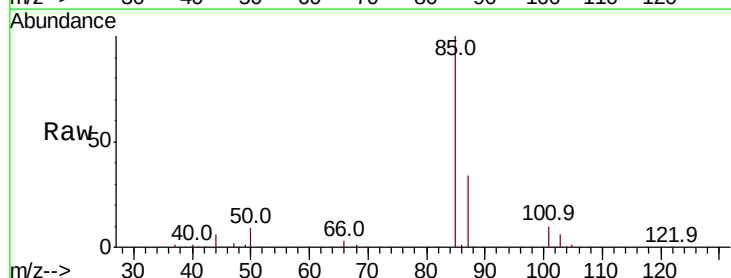
Manual Integrations  
APPROVED

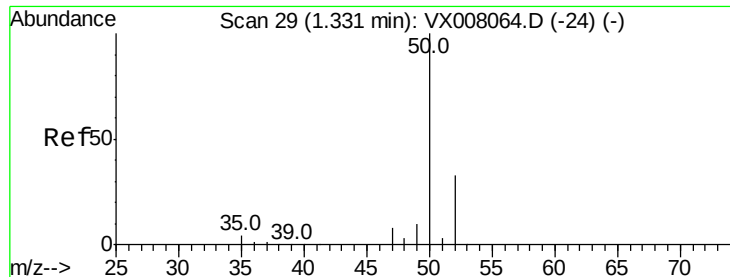
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3/15/2019 9:06:19 AM



#2  
Dichlorodifluoromethane  
Concen: 47.857 ug/l  
RT: 1.20 min Scan# 8  
Delta R.T. -0.00 min  
Lab File: VX008077.D  
Acq: 14 Mar 2019 18:13

Tgt Ion: 85 Resp: 124441  
Ion Ratio Lower Upper  
85 100  
87 33.8 16.4 49.1





#3

Chloromethane

Concen: 40.590 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX008077.D

Acq: 14 Mar 2019 18:13

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 124271

Ion Ratio Lower Upper

50 100

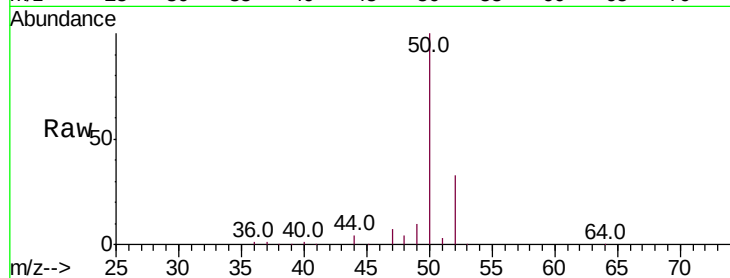
52 32.6 26.5 39.7

Manual Integrations

APPROVED

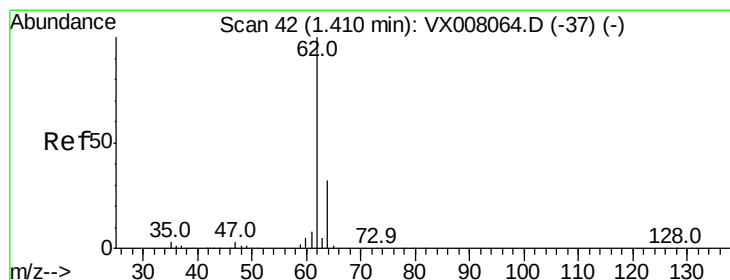
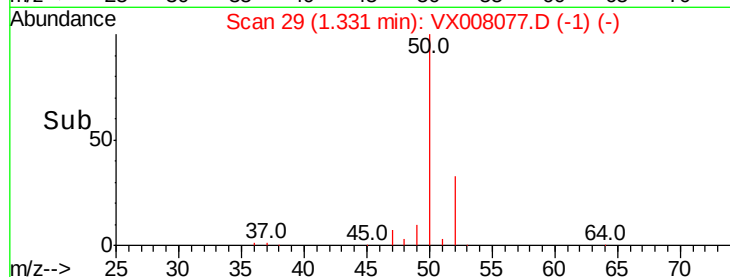
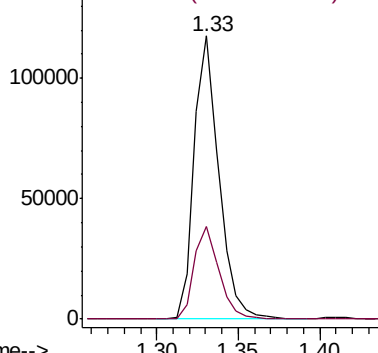
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3/15/2019 9:06:19 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 43.347 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008077.D

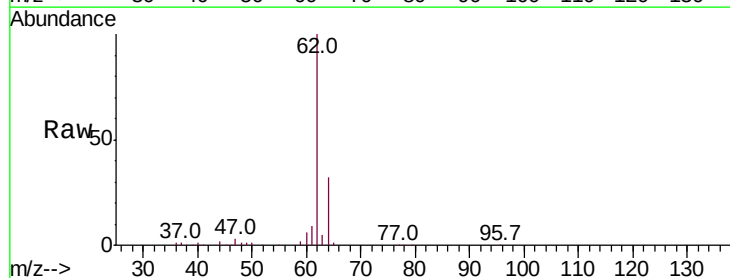
Acq: 14 Mar 2019 18:13

Tgt Ion: 62 Resp: 126631

Ion Ratio Lower Upper

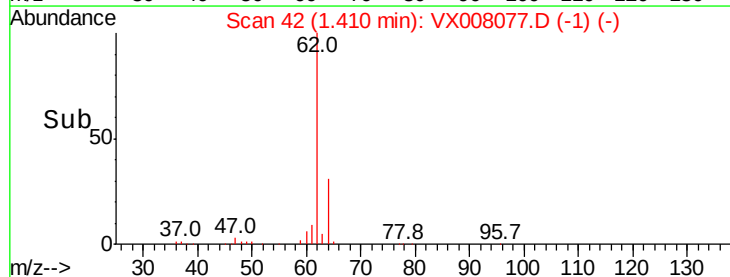
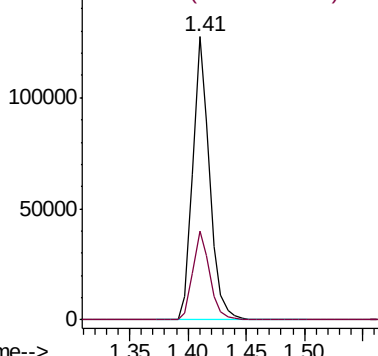
62 100

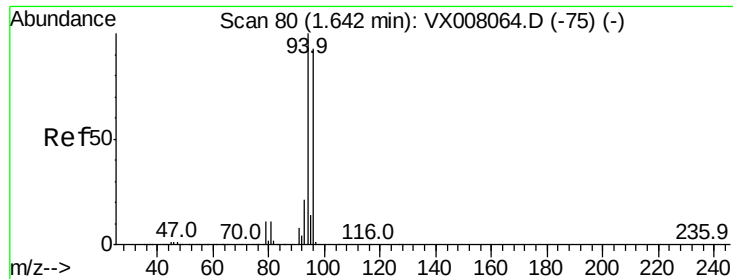
64 31.4 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 44.865 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX008077.D

Acq: 14 Mar 2019 18:13

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 63877

Ion Ratio Lower Upper

94 100

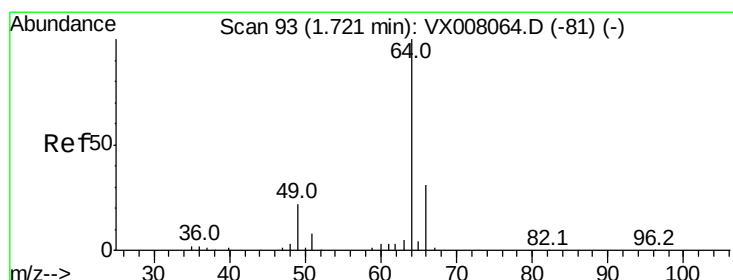
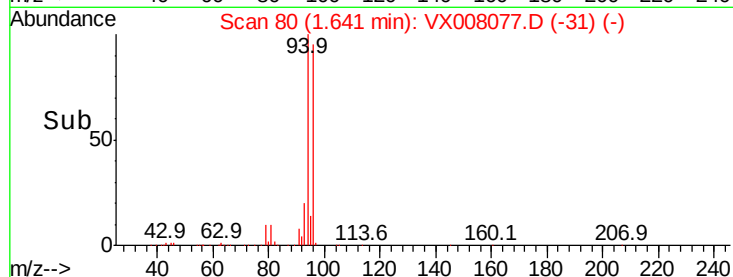
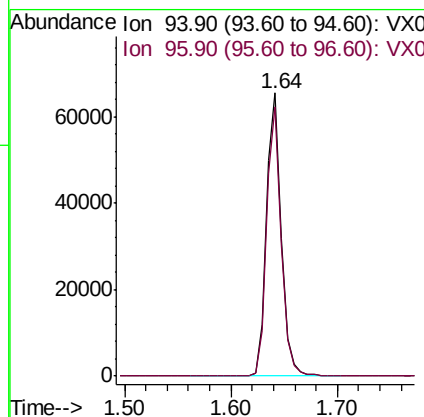
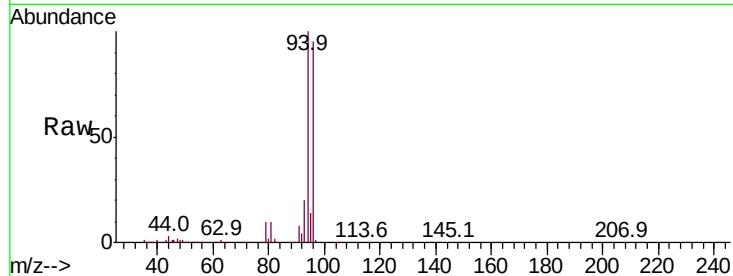
96 95.1 75.5 113.3

Manual Integrations

APPROVED

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3/15/2019 9:06:19 AM



#6

Chloroethane

Concen: 47.565 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX008077.D

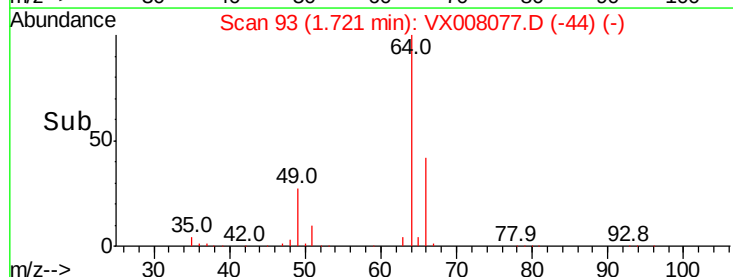
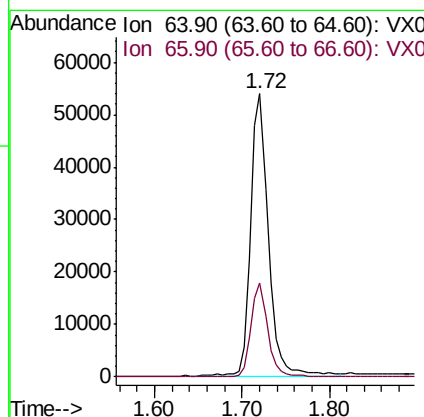
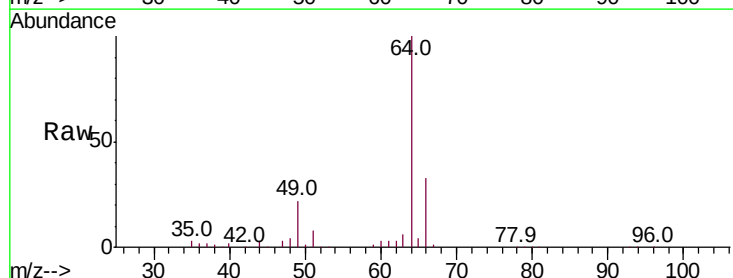
Acq: 14 Mar 2019 18:13

Tgt Ion: 64 Resp: 74854

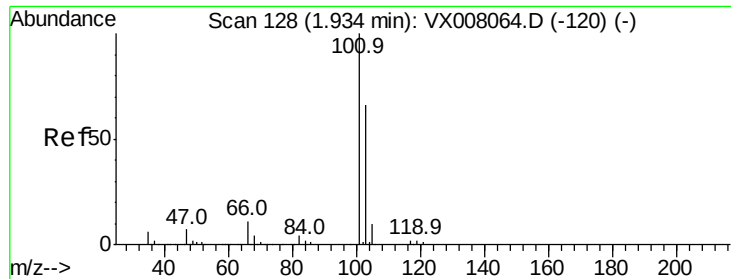
Ion Ratio Lower Upper

64 100

66 33.3 25.2 37.8







#7

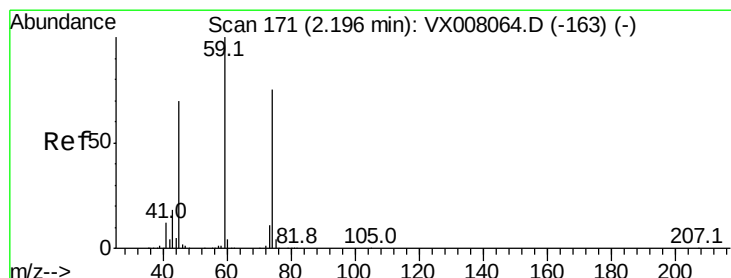
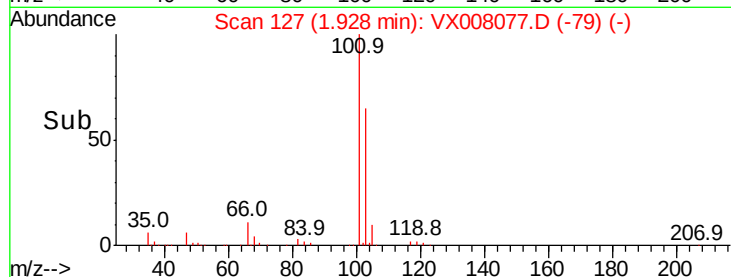
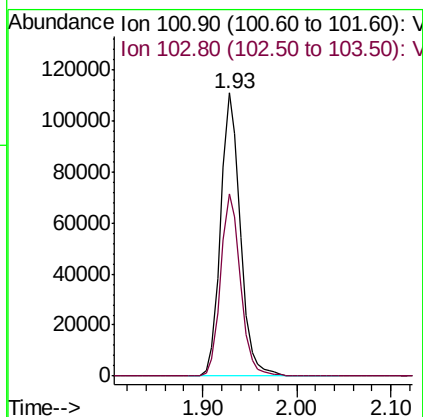
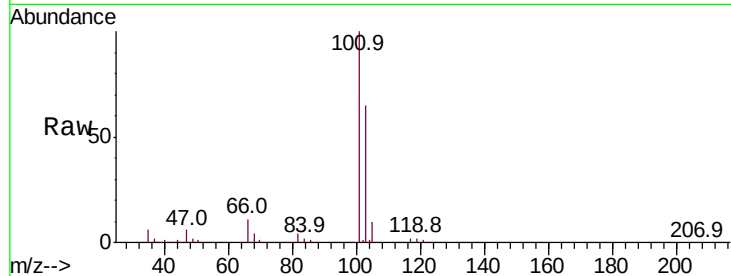
Trichlorofluoromethane  
Concen: 45.942 ug/l  
RT: 1.93 min Scan# 127  
Delta R.T. -0.01 min  
Lab File: VX008077.D  
Acq: 14 Mar 2019 18:13

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.6  | 50.4  | 75.6  |

Manual Integrations  
APPROVED

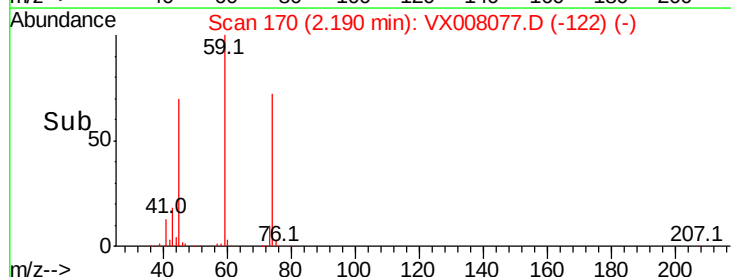
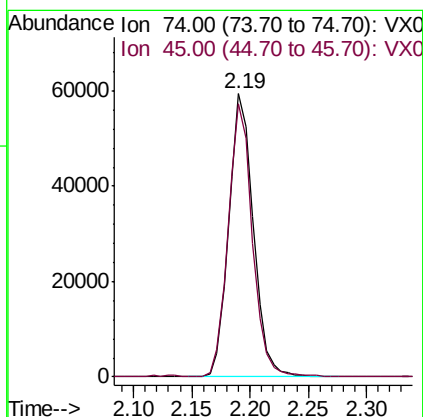
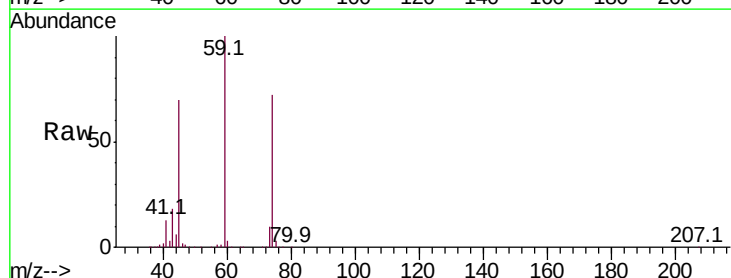
MMDadoda  
3/15/2019 9:06:19 AM



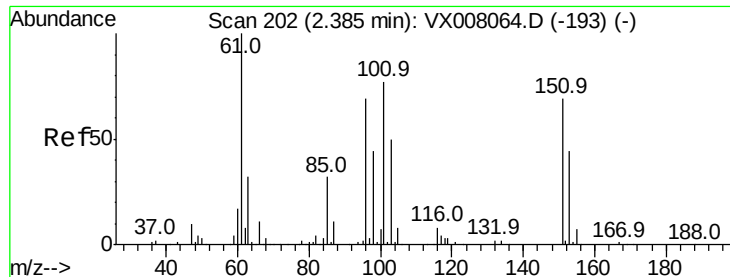
#8

Diethyl Ether  
Concen: 50.102 ug/l  
RT: 2.19 min Scan# 170  
Delta R.T. -0.01 min  
Lab File: VX008077.D  
Acq: 14 Mar 2019 18:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 94.6  | 52.1  | 156.4 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.439 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX008077.D

Acq: 14 Mar 2019 18:13

Instrument :

MSVOA\_X

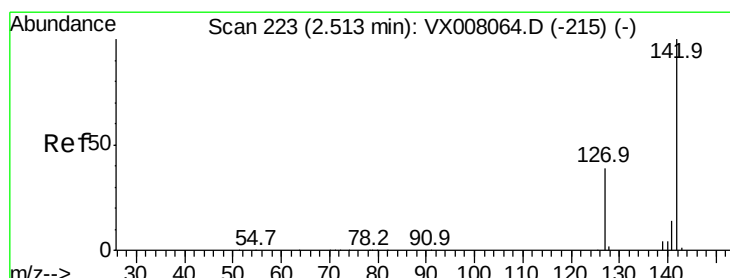
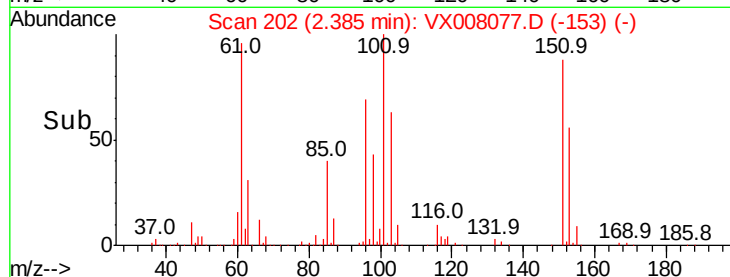
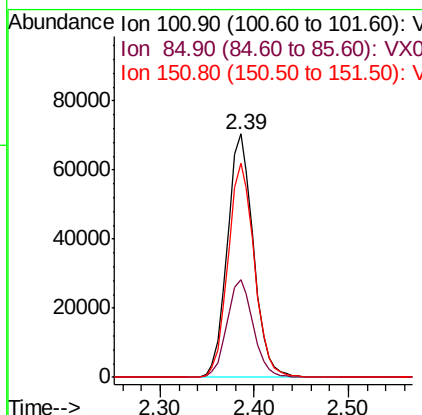
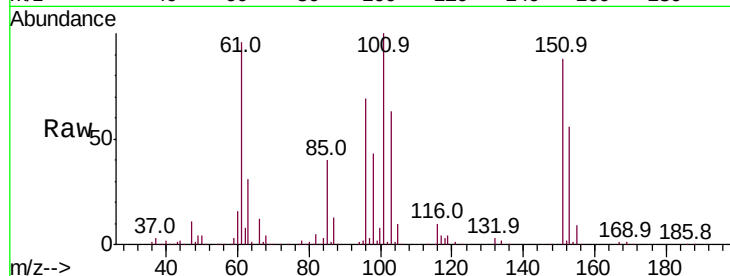
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 134792 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 40.6  | 33.8  | 50.6   |
| 151       | 89.5  | 69.1  | 103.7  |

Manual Integrations  
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MMDadoda  
3/15/2019 9:06:19 AM



#10

Methyl Iodide

Concen: 52.789 ug/l

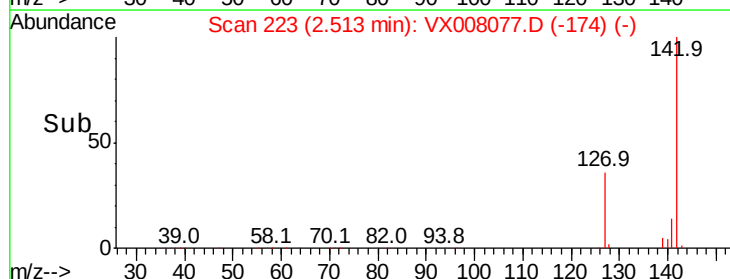
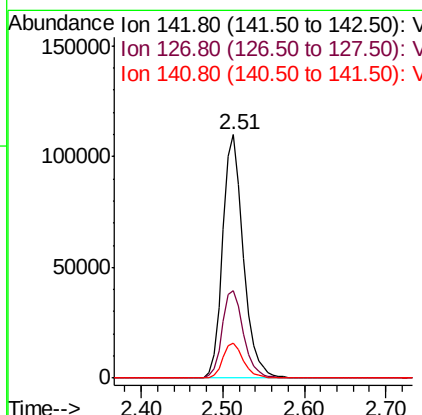
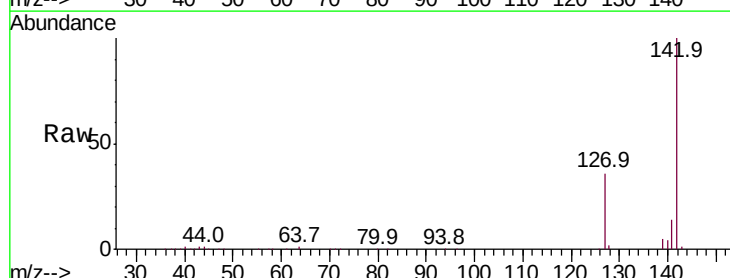
RT: 2.51 min Scan# 223

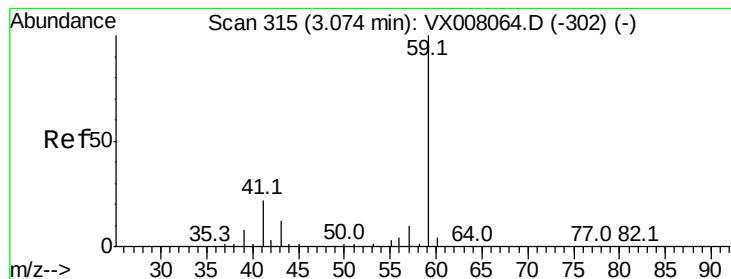
Delta R.T. -0.00 min

Lab File: VX008077.D

Acq: 14 Mar 2019 18:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 193246 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 37.3  | 32.1  | 48.1   |
| 141       | 14.4  | 11.4  | 17.2   |





#11

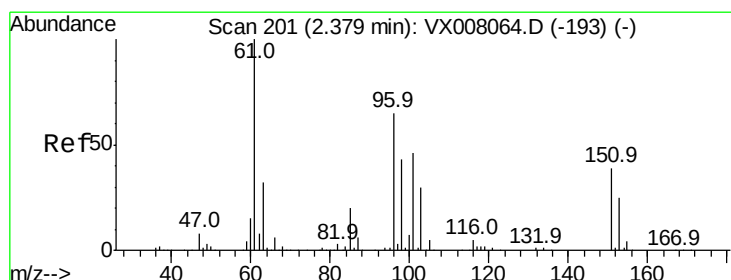
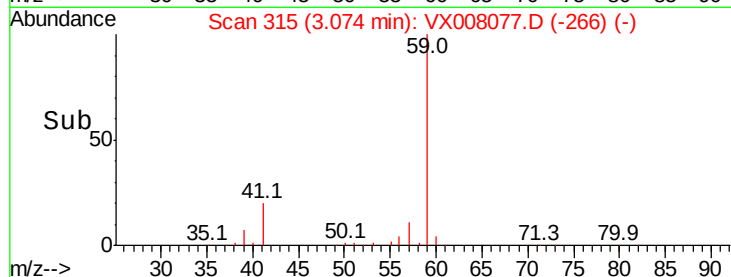
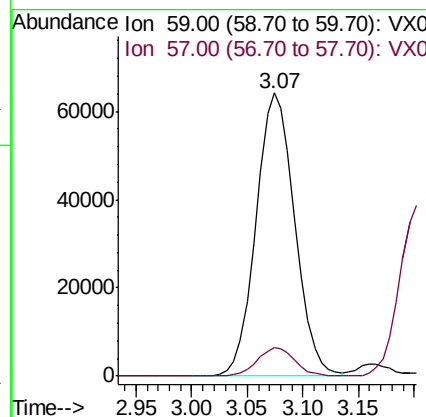
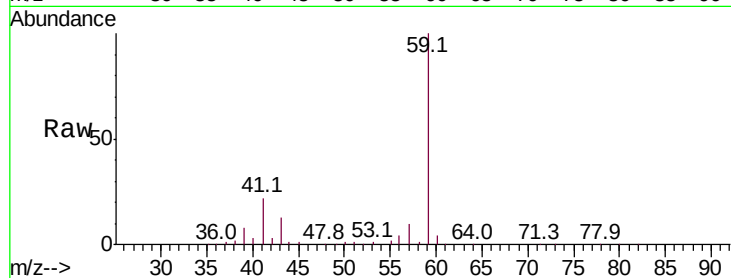
Tert butyl alcohol  
Concen: 244.994 ug/l  
RT: 3.07 min Scan# 315  
Delta R.T. -0.00 min  
Lab File: VX008077.D  
Acq: 14 Mar 2019 18:13

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.0  | 8.2   | 12.2  |

Manual Integrations  
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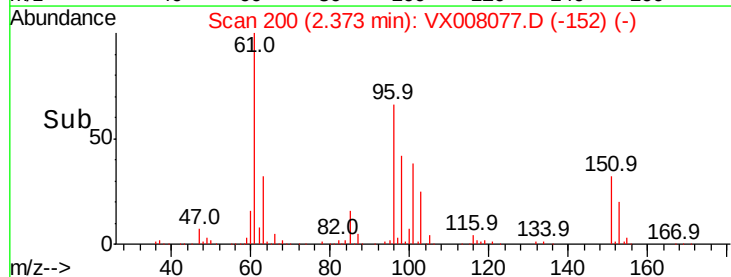
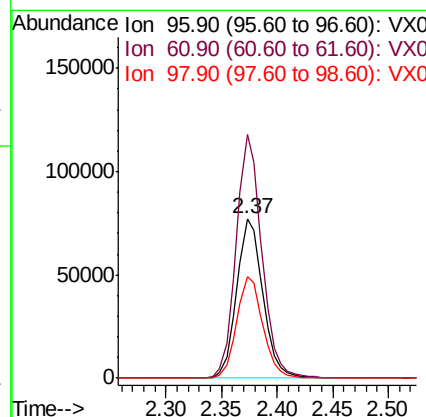
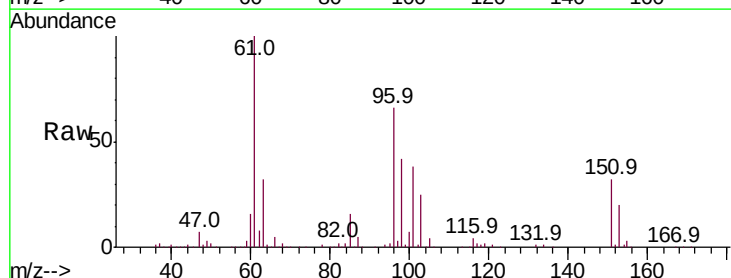
MMDadoda  
3/15/2019 9:06:19 AM

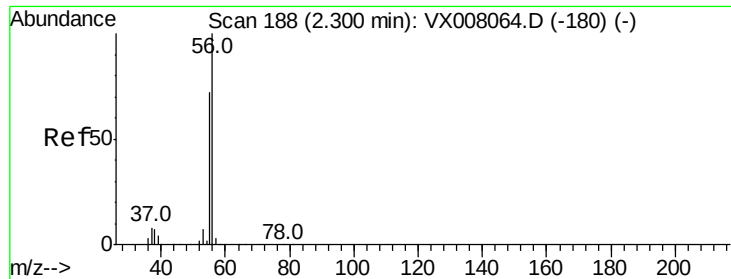


#12

1,1-Dichloroethene  
Concen: 50.656 ug/l  
RT: 2.37 min Scan# 200  
Delta R.T. -0.01 min  
Lab File: VX008077.D  
Acq: 14 Mar 2019 18:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 152.4 | 129.8 | 194.6 |
| 98      | 63.4  | 51.0  | 76.6  |





#13

Acrolein

Concen: 211.377 ug/l

RT: 2.30 min Scan# 188

Delta R.T. -0.00 min

Lab File: VX008077.D

Acq: 14 Mar 2019 18:13

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 123264

Ion Ratio Lower Upper

56 100

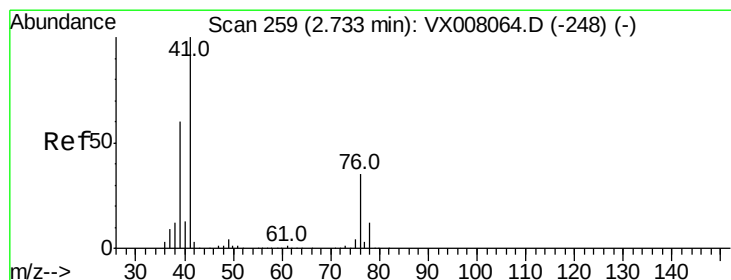
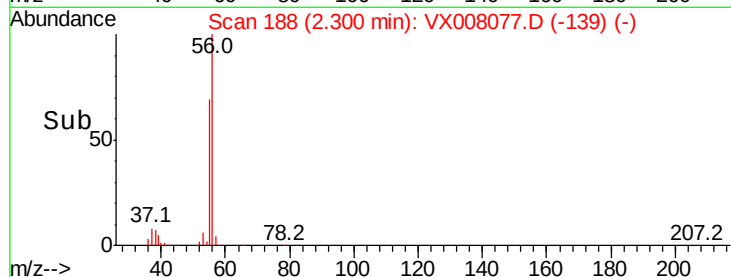
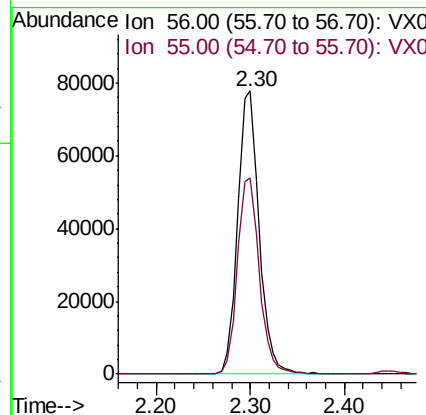
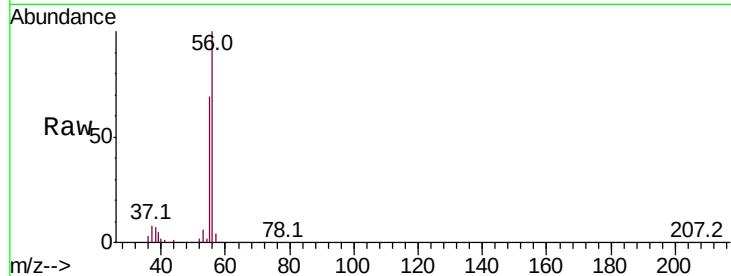
55 71.1 57.8 86.6

Manual Integrations

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3/15/2019 9:06:19 AM



#14

Allyl chloride

Concen: 49.402 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.01 min

Lab File: VX008077.D

Acq: 14 Mar 2019 18:13

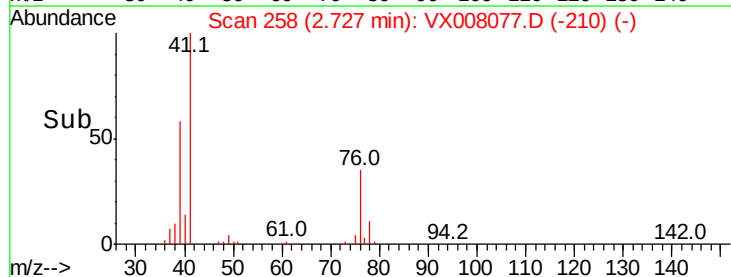
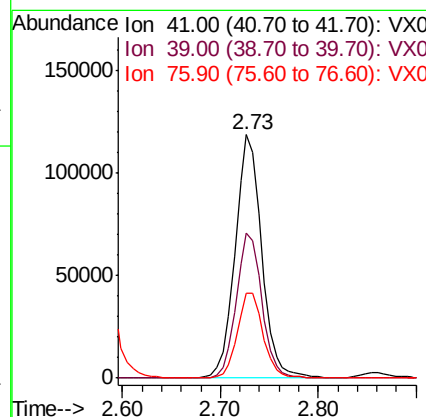
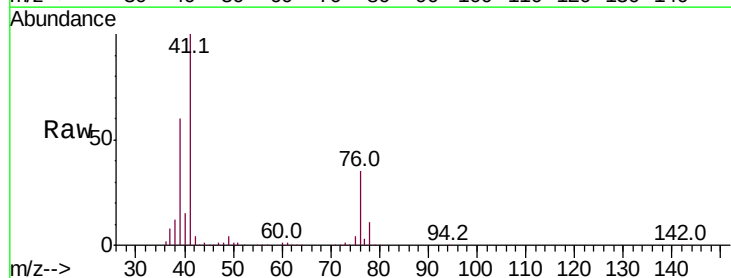
Tgt Ion: 41 Resp: 222864

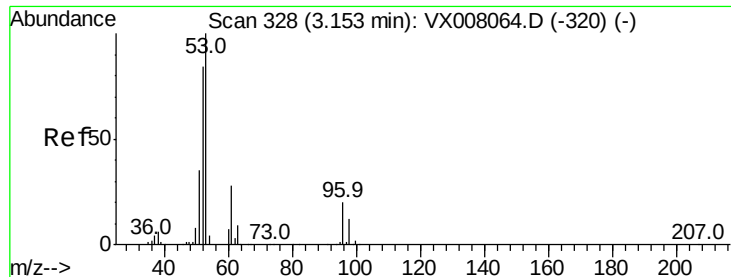
Ion Ratio Lower Upper

41 100

39 57.8 46.1 69.1

76 34.0 24.0 36.0





#15

Acrylonitrile

Concen: 245.106 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX008077.D

Acq: 14 Mar 2019 18:13

Instrument :

MSVOA\_X

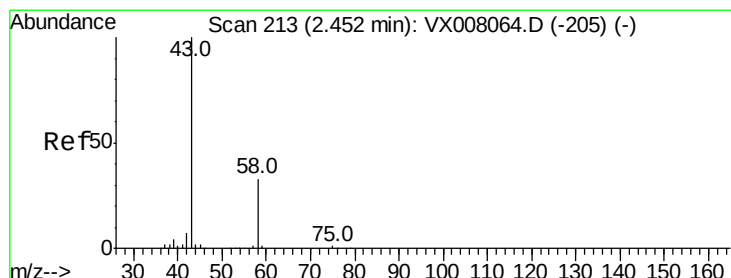
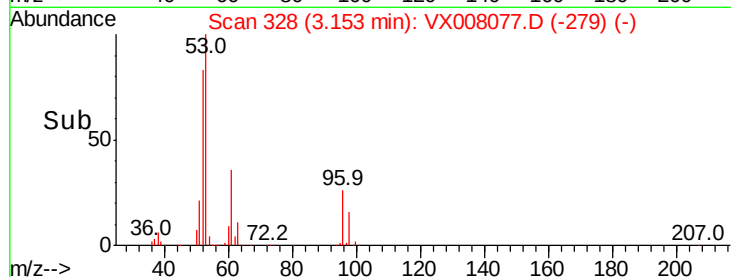
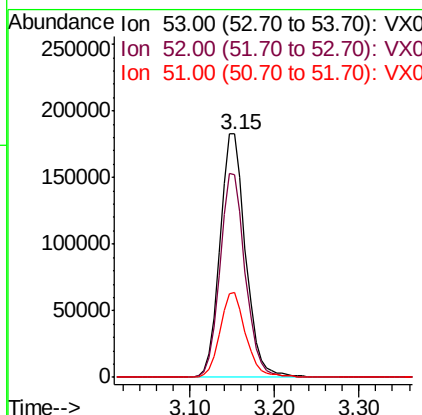
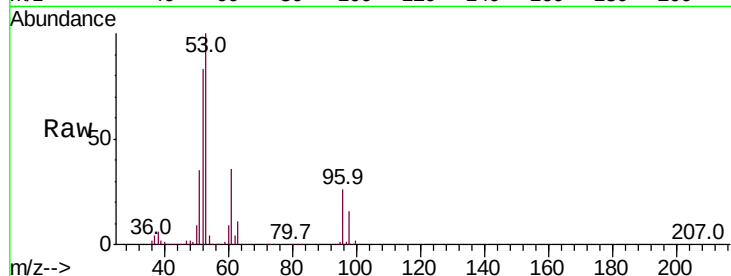
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 378376 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 82.6  | 66.0  | 99.0   |
| 51       | 35.0  | 28.0  | 42.0   |

Manual Integrations  
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#16

Acetone

Concen: 237.930 ug/l

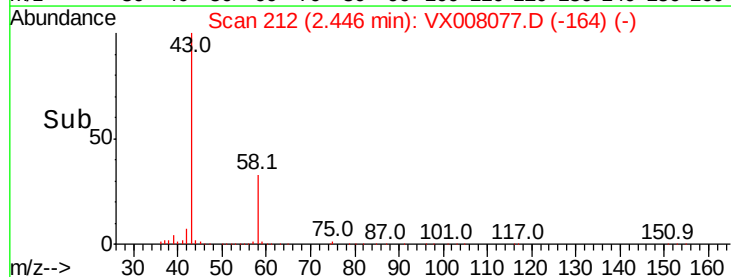
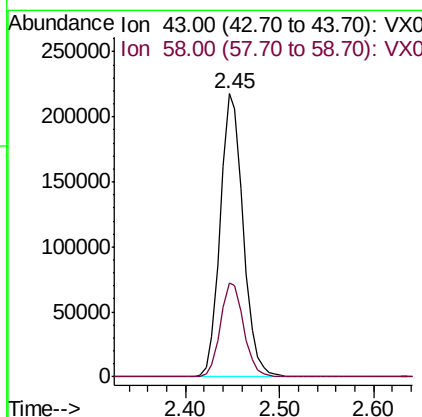
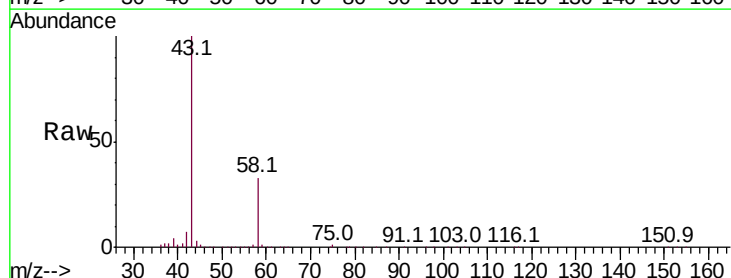
RT: 2.45 min Scan# 212

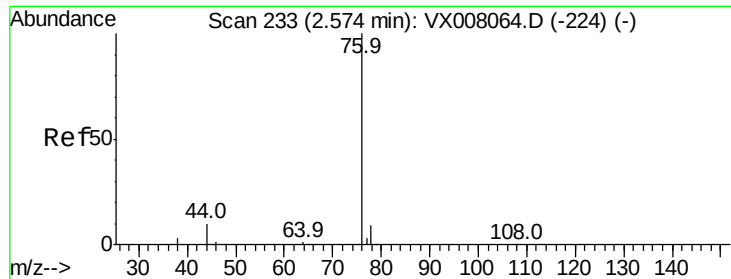
Delta R.T. -0.01 min

Lab File: VX008077.D

Acq: 14 Mar 2019 18:13

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 368075 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 33.2  | 25.5  | 38.3   |





#17

Carbon Disulfide

Concen: 50.741 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.01 min

Lab File: VX008077.D

Acq: 14 Mar 2019 18:13

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 360842

Ion Ratio Lower Upper

76 100

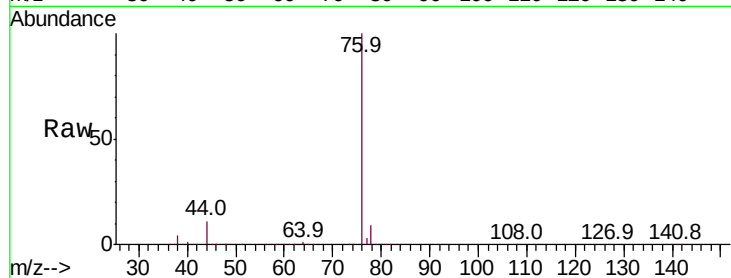
78 9.2 7.2 10.8

Manual Integrations

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3/15/2019 9:06:19 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

250000

200000

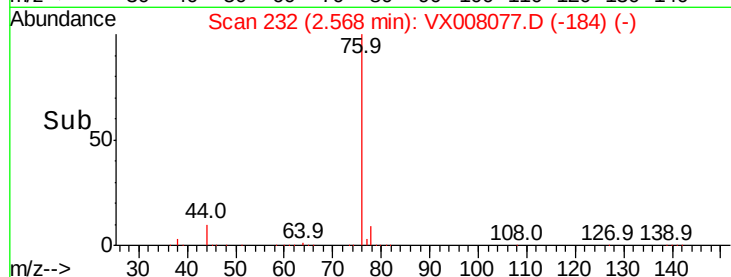
150000

100000

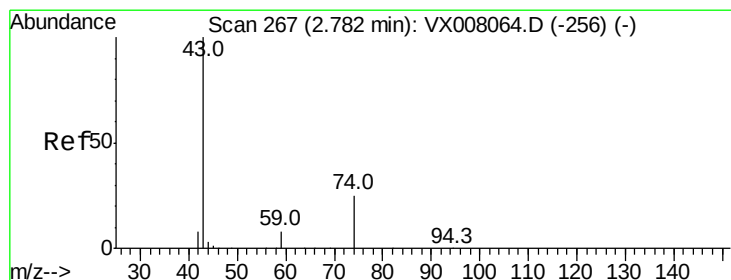
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 51.384 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX008077.D

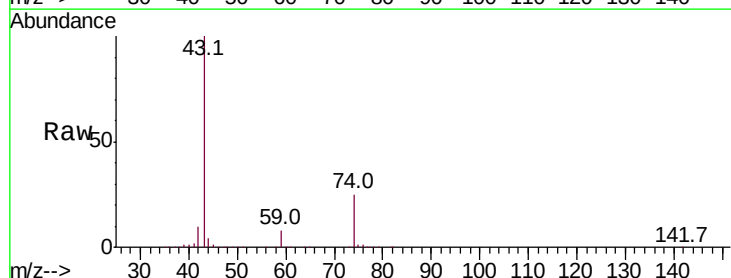
Acq: 14 Mar 2019 18:13

Tgt Ion: 43 Resp: 171806

Ion Ratio Lower Upper

43 100

74 24.8 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

100000

80000

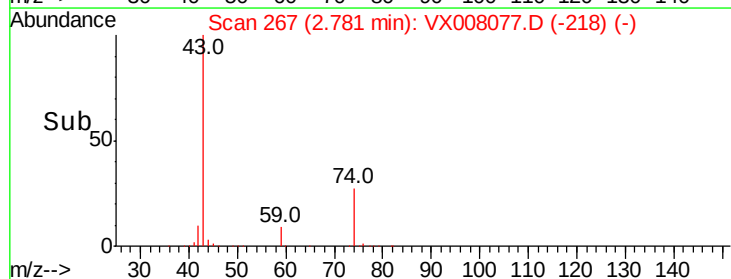
60000

40000

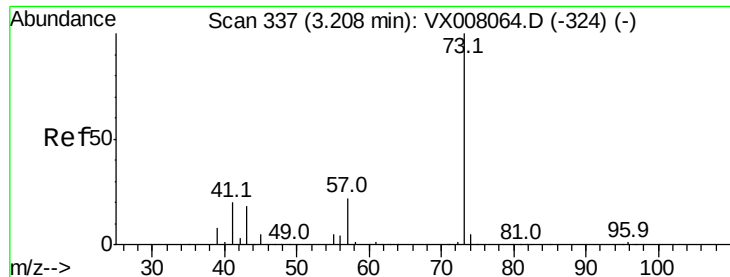
20000

0

Time-->



Time-->



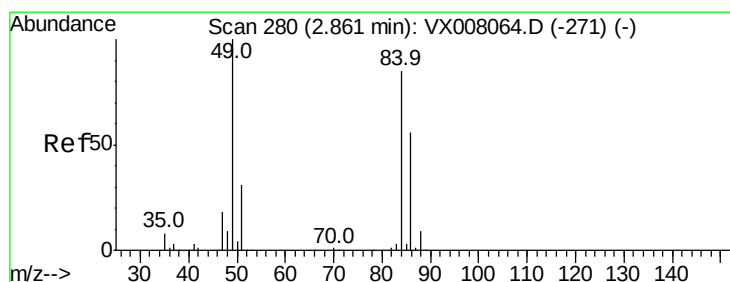
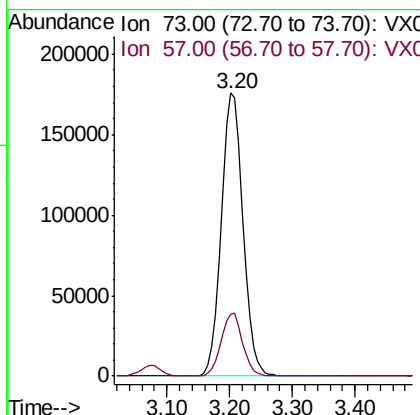
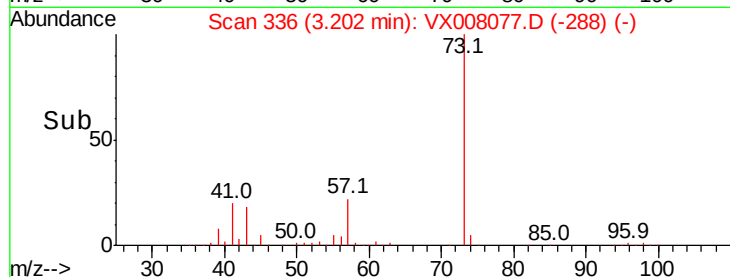
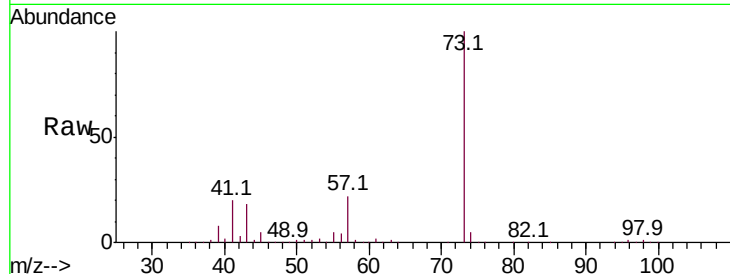
#19  
Methyl tert-butyl Ether  
Concen: 50.207 ug/l  
RT: 3.20 min Scan# 336  
Delta R.T. -0.01 min  
Lab File: VX008077.D  
Acq: 14 Mar 2019 18:13

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tot Ion: 73 Resp: 420429  
Ion Ratio Lower Upper  
73 100  
57 22.0 18.2 27.4

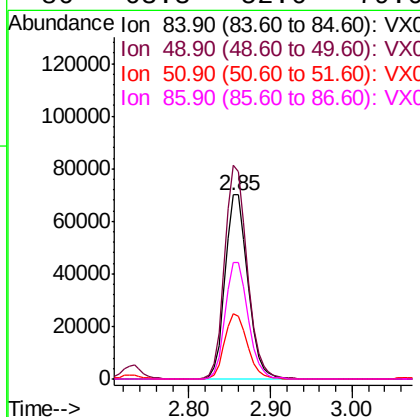
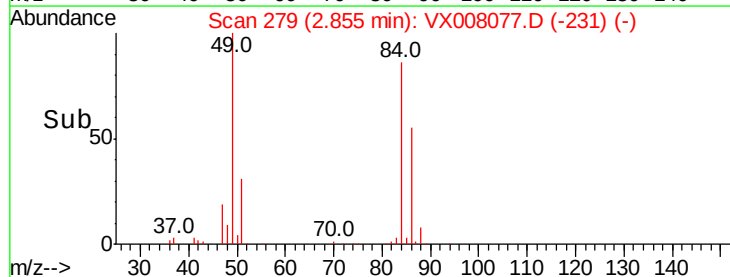
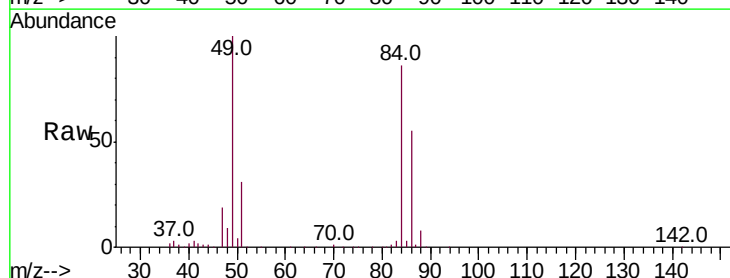
Manual Integrations  
APPROVED

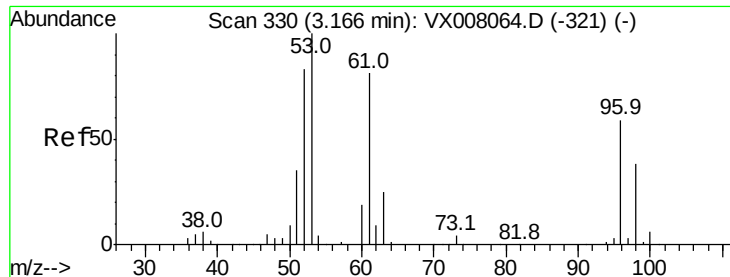
MMDadoda  
3/15/2019 9:06:19 AM



#20  
Methylene Chloride  
Concen: 48.614 ug/l  
RT: 2.85 min Scan# 279  
Delta R.T. -0.01 min  
Lab File: VX008077.D  
Acq: 14 Mar 2019 18:13

Tgt Ion: 84 Resp: 134318  
Ion Ratio Lower Upper  
84 100  
49 116.0 99.3 148.9  
51 35.5 31.3 46.9  
86 63.3 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 49.581 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX008077.D

Acq: 14 Mar 2019 18:13

Instrument :

MSVOA\_X

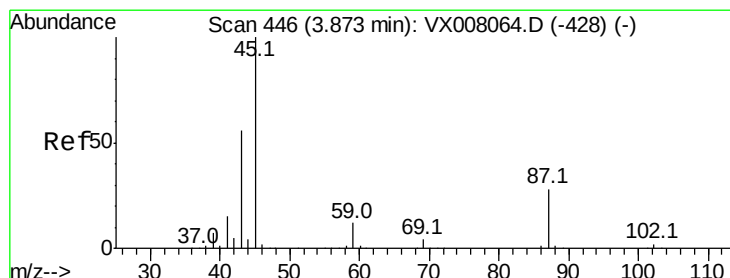
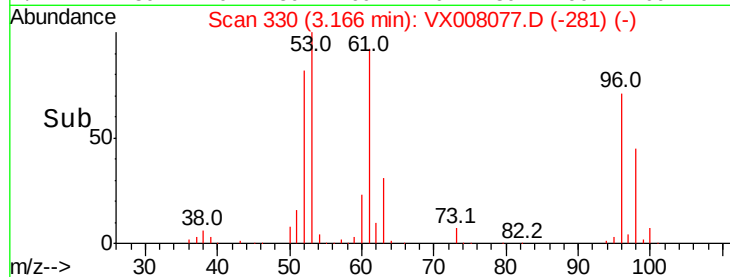
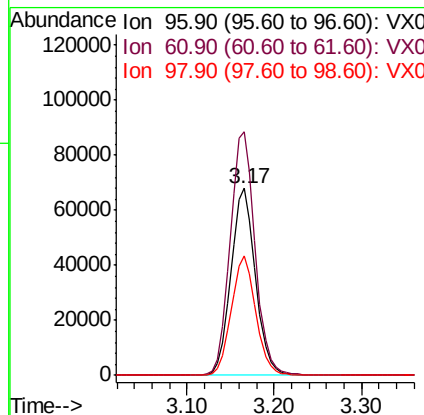
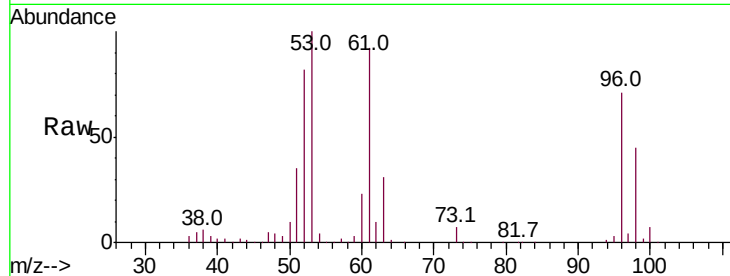
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 132310 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 130.4 | 114.4 | 171.6  |
| 98       | 64.0  | 51.1  | 76.7   |

Manual Integrations  
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MMDadoda  
3/15/2019 9:06:19 AM



#22

Diisopropyl ether

Concen: 48.817 ug/l

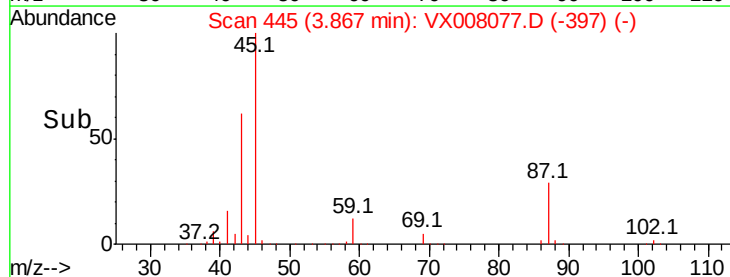
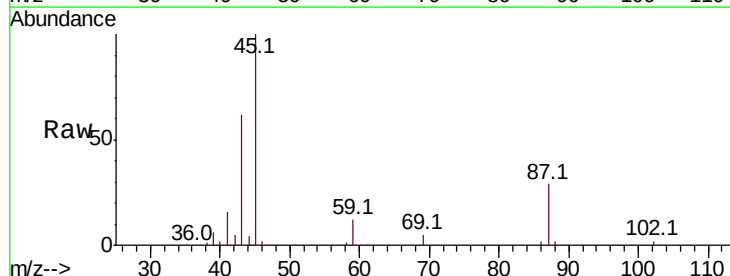
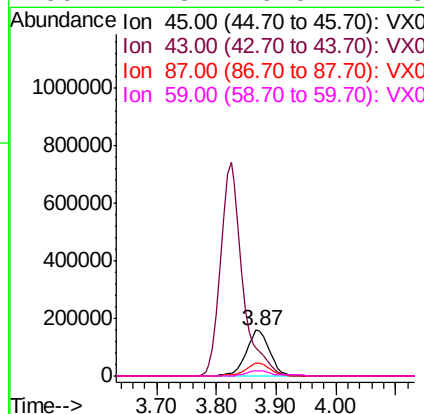
RT: 3.87 min Scan# 445

Delta R.T. -0.01 min

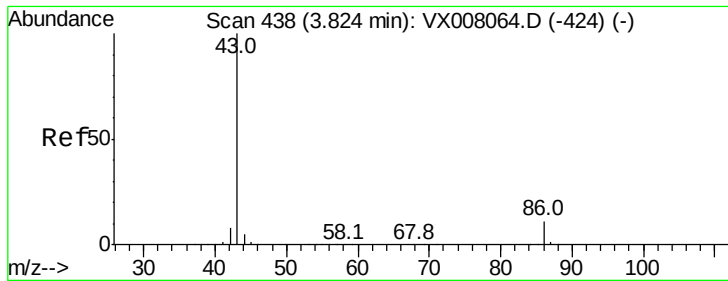
Lab File: VX008077.D

Acq: 14 Mar 2019 18:13

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 437652 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 61.5  | 45.3  | 67.9   |
| 87       | 29.1  | 21.4  | 32.0   |
| 59       | 11.8  | 9.5   | 14.3   |







#23

Vinyl Acetate

Concen: 249.112 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX008077.D

Acq: 14 Mar 2019 18:13

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1899380

Ion Ratio Lower Upper

43 100

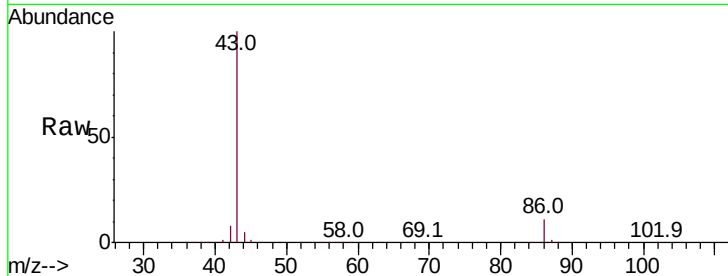
86 10.8 7.9 11.9

Manual Integrations

APPROVED

MMDadoda

3/15/2019 9:06:19 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

800000

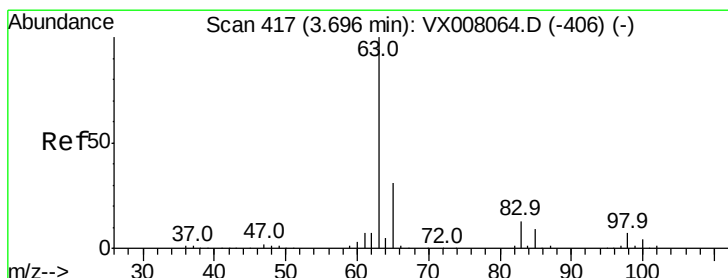
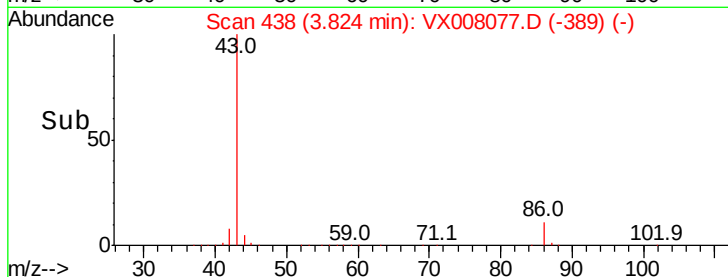
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.424 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX008077.D

Acq: 14 Mar 2019 18:13

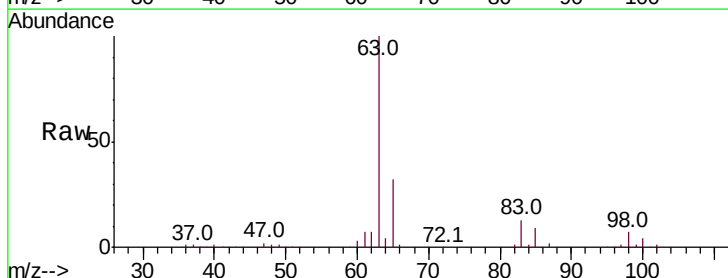
Tgt Ion: 63 Resp: 242891

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.8

100 4.4 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

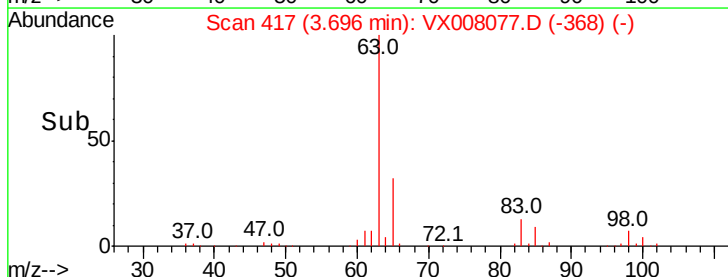
Ion 99.90 (99.60 to 100.60): VX0

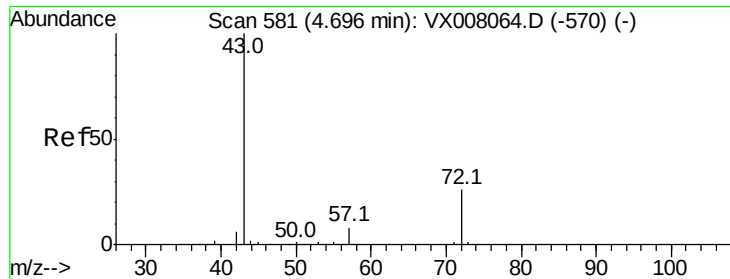
100000

50000

0

Time-->





#25

2-Butanone

Concen: 236.134 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.00 min

Lab File: VX008077.D

Acq: 14 Mar 2019 18:13

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 560711

Ion Ratio Lower Upper

43 100

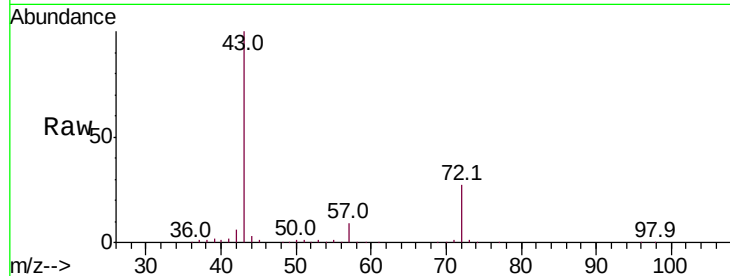
72 27.2 19.9 29.9

Manual Integrations

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3/15/2019 9:06:19 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

200000

150000

100000

50000

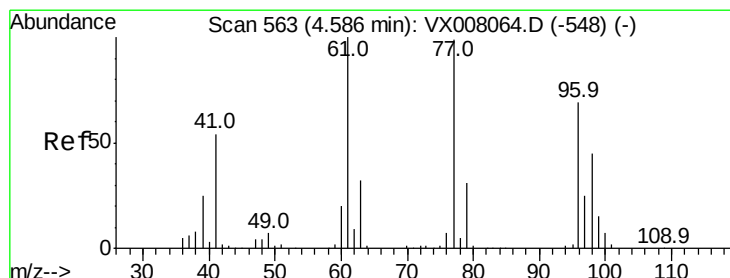
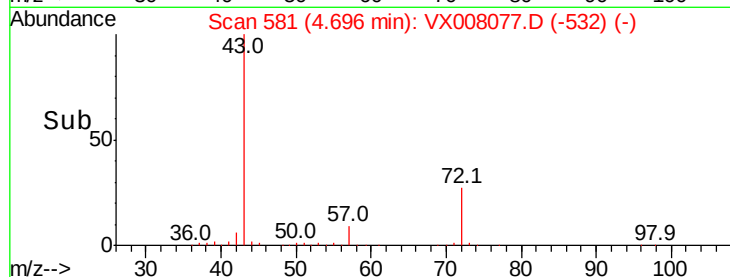
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 47.996 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008077.D

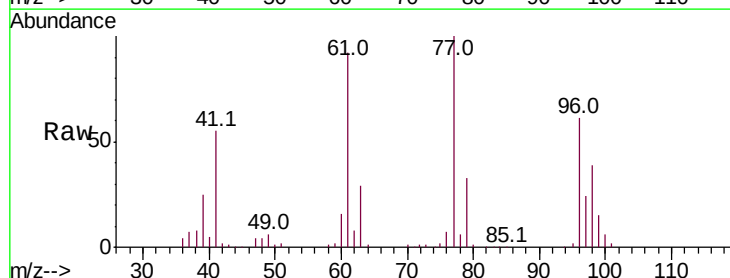
Acq: 14 Mar 2019 18:13

Tgt Ion: 77 Resp: 180199

Ion Ratio Lower Upper

77 100

97 25.1 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

40000

20000

0

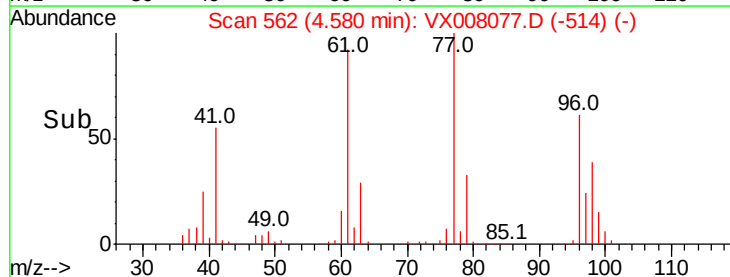
4.40

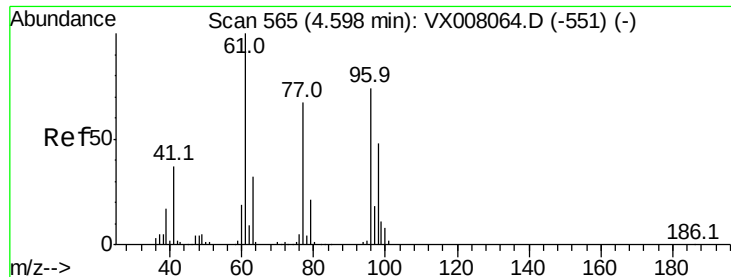
4.50

4.60

4.70

Time-->





#27

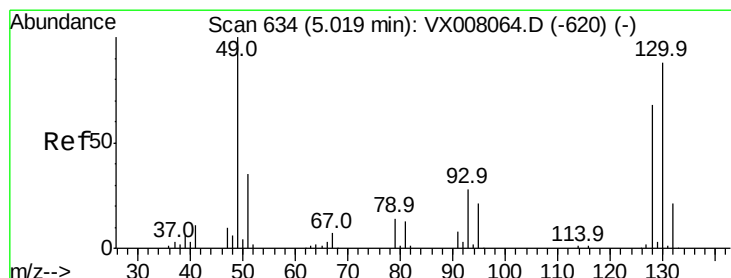
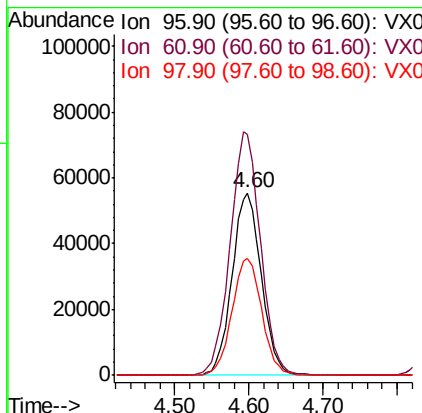
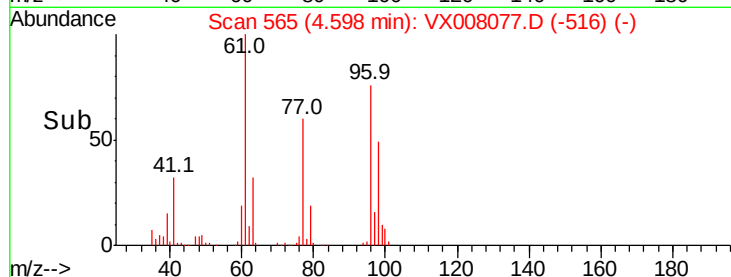
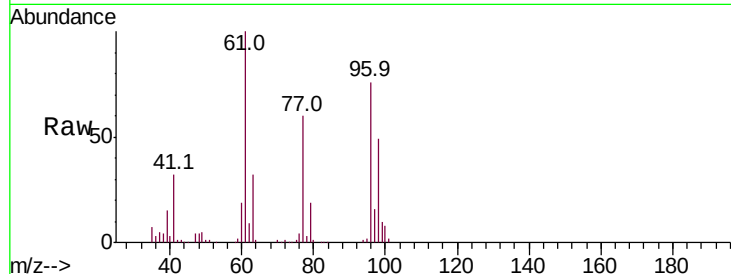
cis-1,2-Dichloroethene  
Concen: 48.229 ug/l  
RT: 4.60 min Scan# 565  
Delta R.T. -0.00 min  
Lab File: VX008077.D  
Acq: 14 Mar 2019 18:13

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 96      | 100   |      |       |       |
| 61      | 138.2 | 0.0  | 288.0 |       |
| 98      | 65.2  | 0.0  | 129.0 |       |

Manual Integrations  
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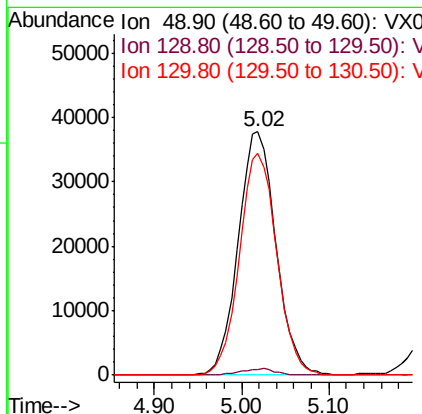
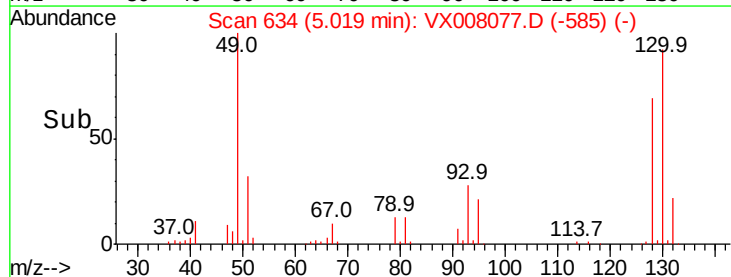
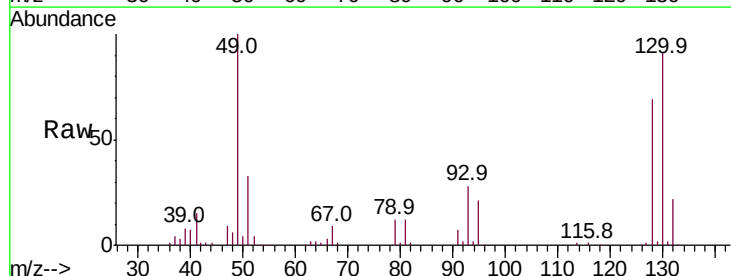
MMDadoda  
3/15/2019 9:06:19 AM

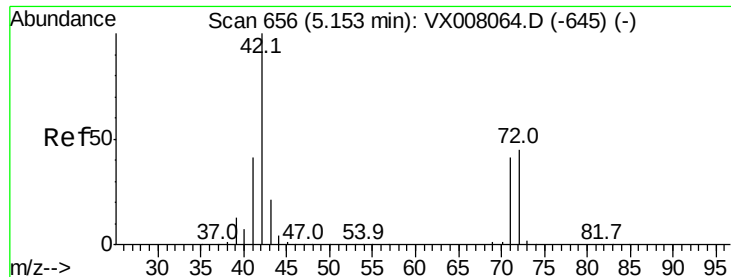


#28

Bromochloromethane  
Concen: 48.781 ug/l  
RT: 5.02 min Scan# 634  
Delta R.T. -0.00 min  
Lab File: VX008077.D  
Acq: 14 Mar 2019 18:13

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 49      | 100   |      |       |       |
| 129     | 2.4   | 0.0  | 4.0   |       |
| 130     | 90.0  | 65.0 | 97.4  |       |





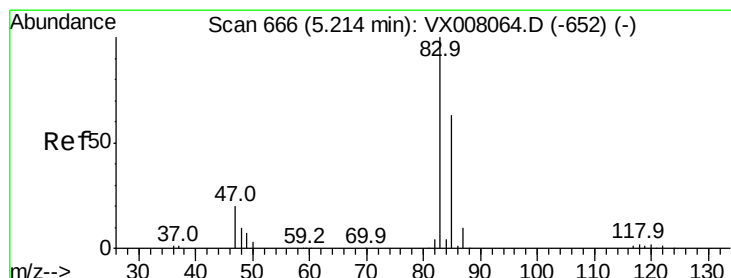
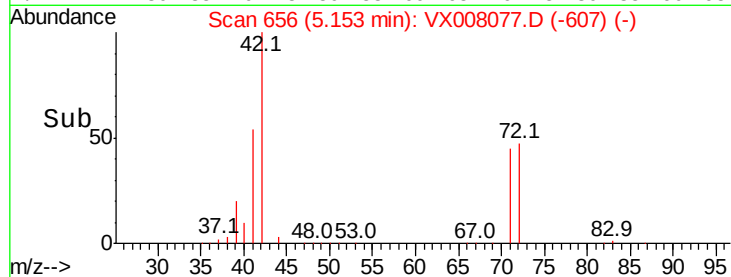
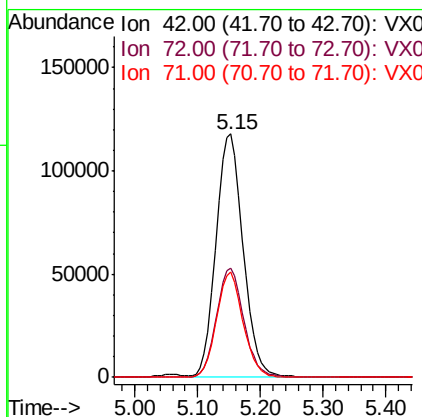
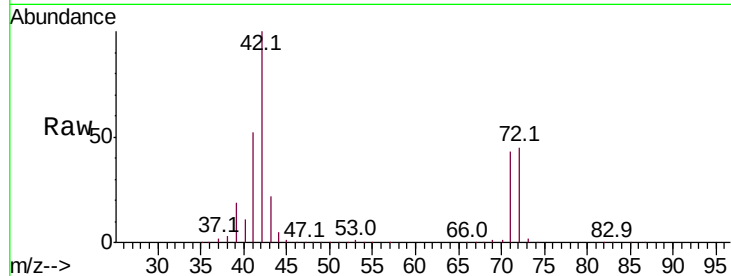
#29  
Tetrahydrofuran  
Concen: 237.678 ug/l  
RT: 5.15 min Scan# 656  
Delta R.T. -0.00 min  
Lab File: VX008077.D  
Acq: 14 Mar 2019 18:13

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 45.3  | 33.8  | 50.6  |
| 71      | 42.5  | 31.5  | 47.3  |

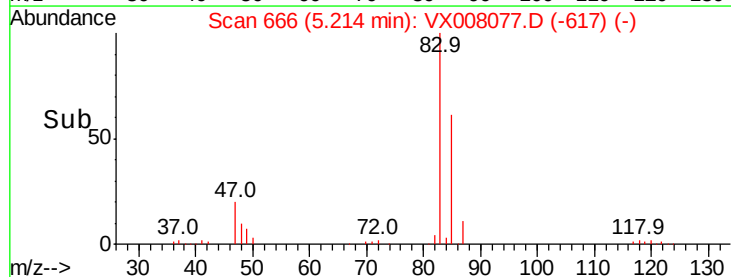
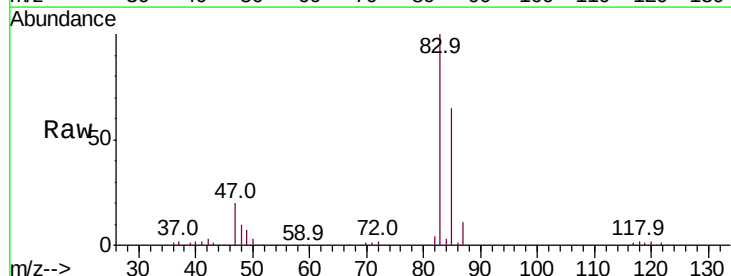
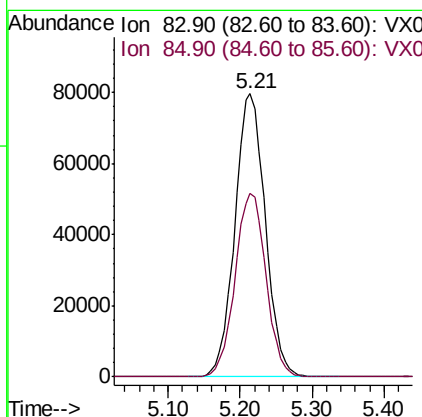
Manual Integrations  
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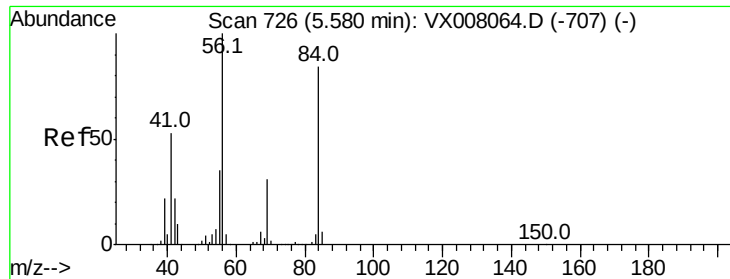
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3/15/2019 9:06:19 AM



#30  
Chloroform  
Concen: 46.966 ug/l  
RT: 5.21 min Scan# 666  
Delta R.T. -0.00 min  
Lab File: VX008077.D  
Acq: 14 Mar 2019 18:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.9  | 51.8  | 77.6  |





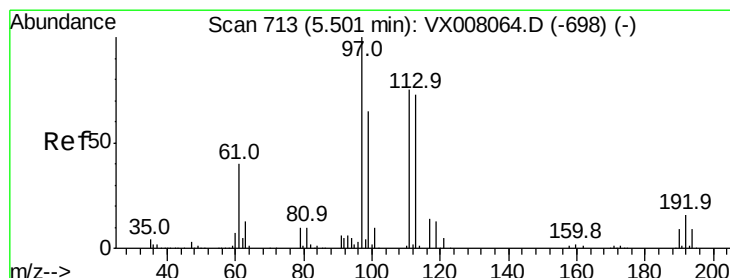
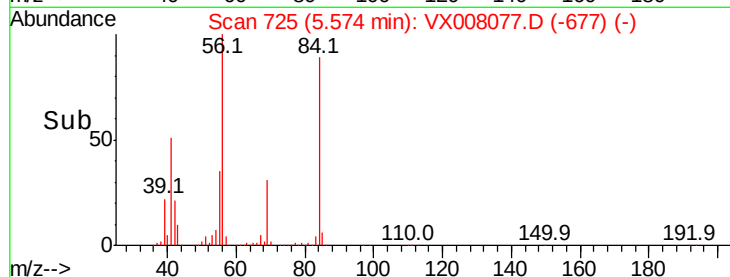
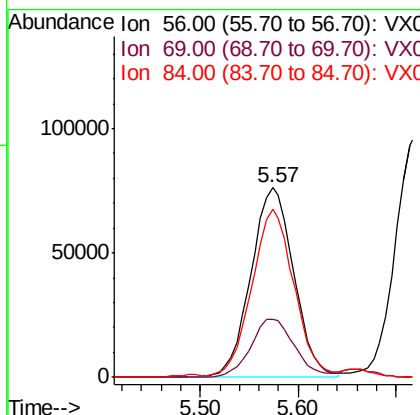
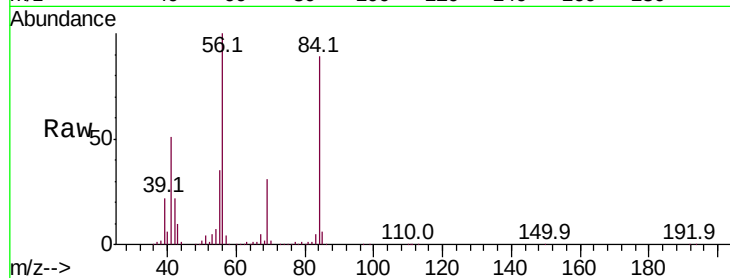
#31  
Cyclohexane  
Concen: 49.754 ug/l  
RT: 5.57 min Scan# 725  
Delta R.T. -0.01 min  
Lab File: VX008077.D  
Acq: 14 Mar 2019 18:13

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 31.0  | 24.0  | 36.0  |
| 84      | 87.2  | 65.3  | 97.9  |

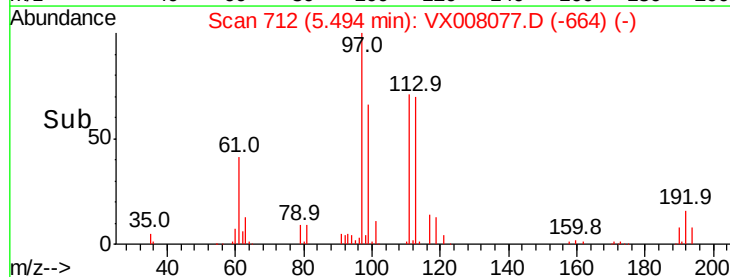
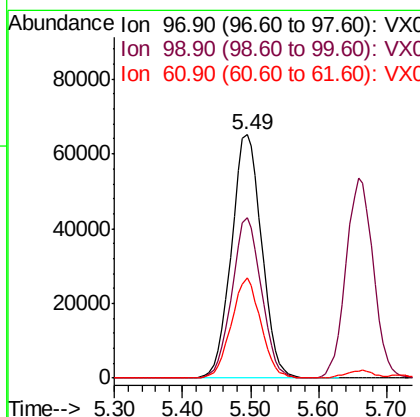
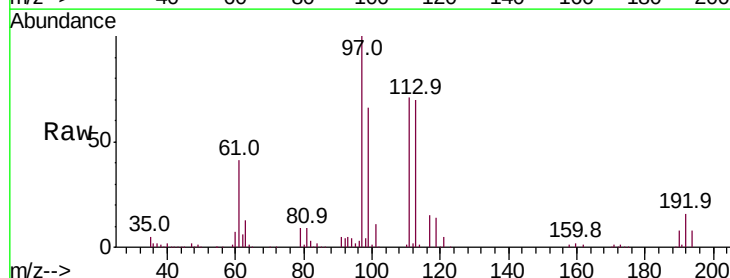
Manual Integrations  
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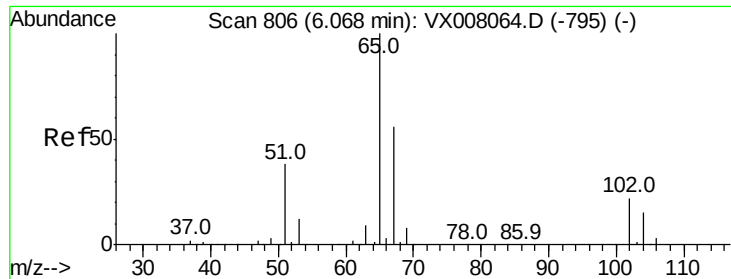
MMDadoda  
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#32  
1,1,1-Trichloroethane  
Concen: 47.736 ug/l  
RT: 5.49 min Scan# 712  
Delta R.T. -0.01 min  
Lab File: VX008077.D  
Acq: 14 Mar 2019 18:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.6  | 52.2  | 78.2  |
| 61      | 40.3  | 34.9  | 52.3  |





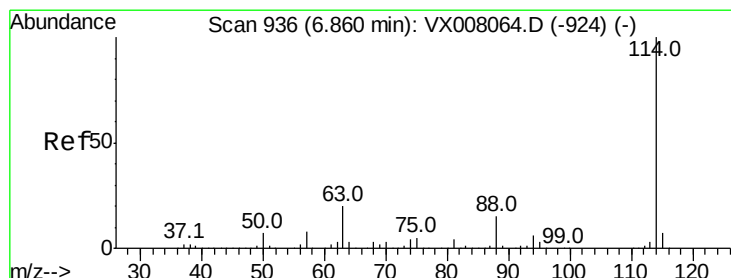
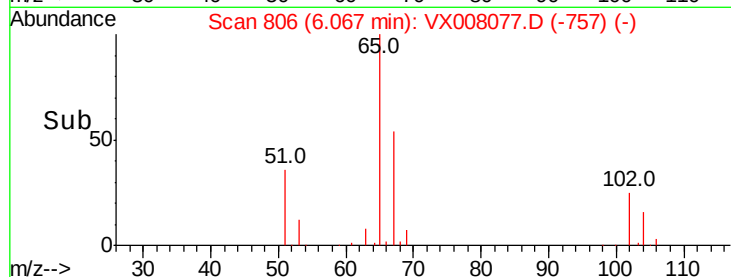
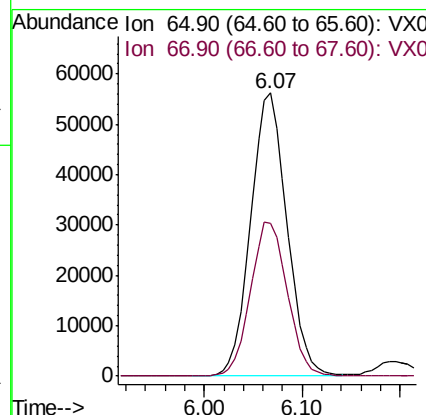
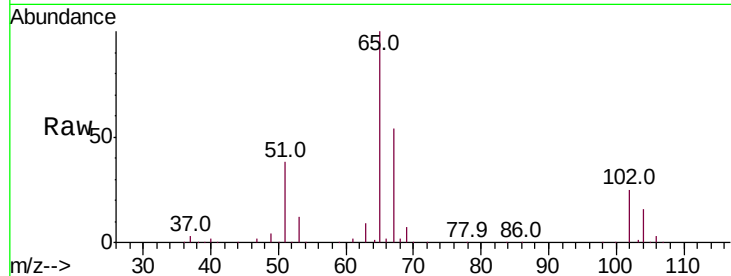
#33  
 1,2-Dichloroethane-d4  
 Concen: 44.120 ug/l  
 RT: 6.07 min Scan# 806  
 Delta R.T. -0.00 min  
 Lab File: VX008077.D  
 Acq: 14 Mar 2019 18:13

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 55.3  | 0.0   | 110.0 |

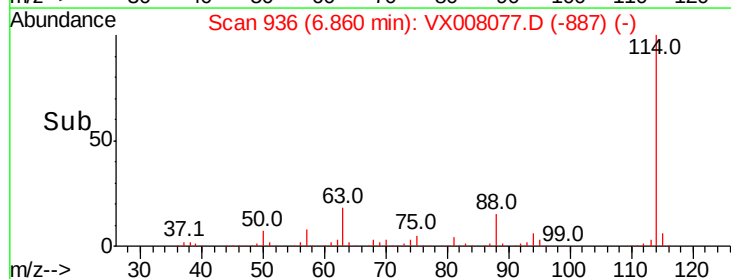
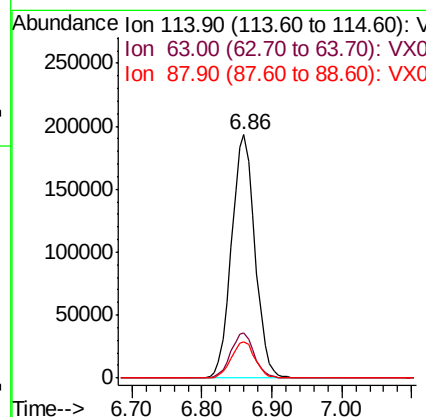
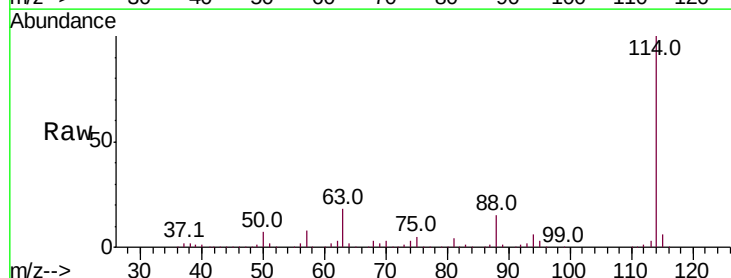
Manual Integrations  
 APPROVED

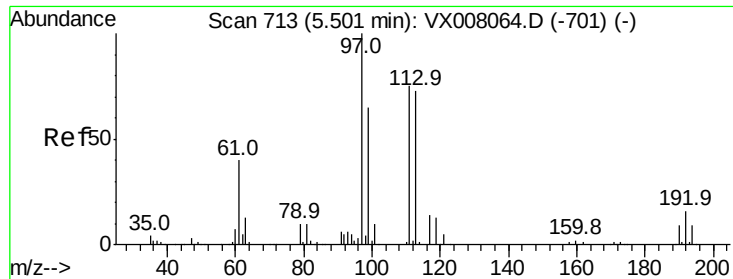
MMDadoda  
 3/15/2019 9:06:19 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. -0.00 min  
 Lab File: VX008077.D  
 Acq: 14 Mar 2019 18:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 18.4  | 0.0   | 39.8  |
| 88      | 15.1  | 0.0   | 31.4  |





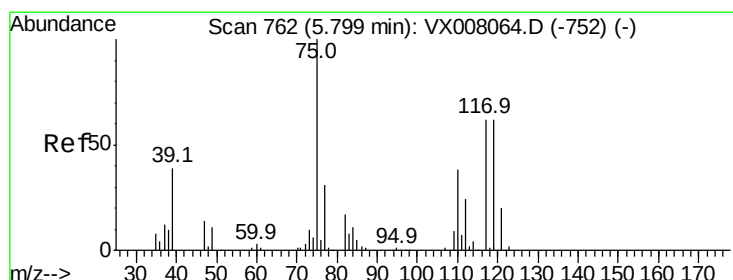
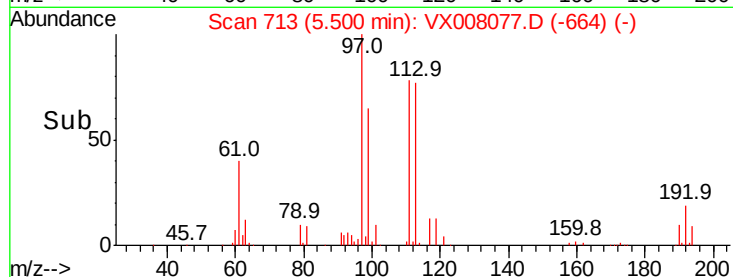
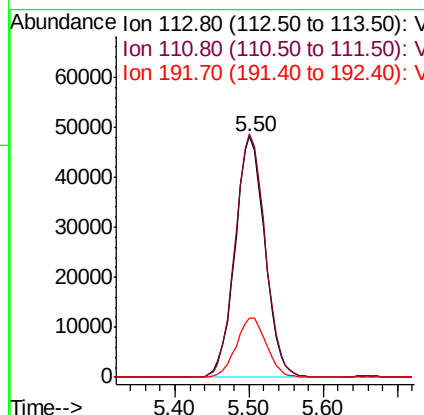
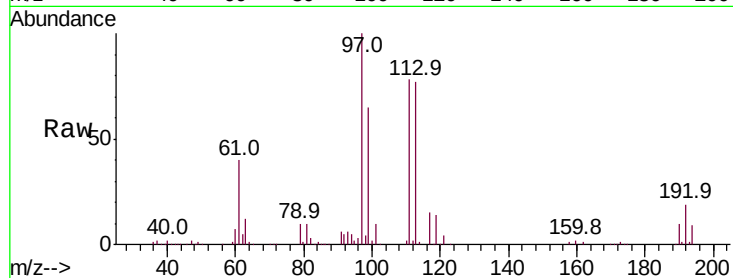
#35  
 Dibromofluoromethane  
 Concen: 47.463 ug/l  
 RT: 5.50 min Scan# 713  
 Delta R.T. -0.00 min  
 Lab File: VX008077.D  
 Acq: 14 Mar 2019 18:13

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 135375 |       |       |
| 111     | 101.9 | 81.4   | 122.0 |       |
| 192     | 25.0  | 19.4   | 29.0  |       |

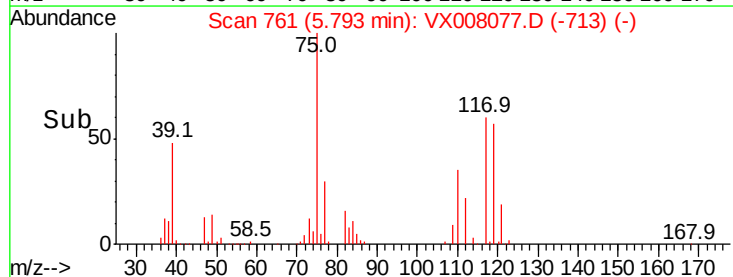
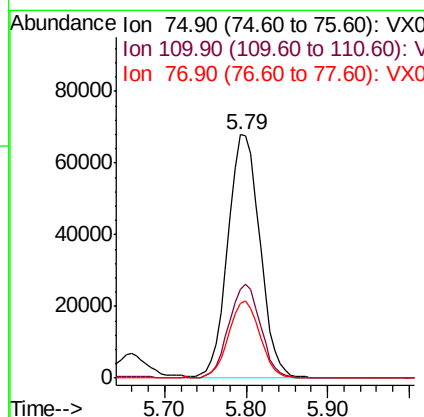
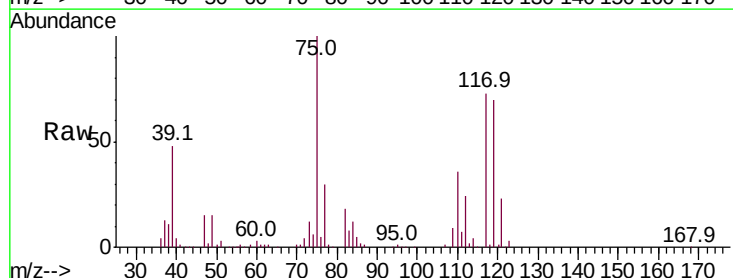
Manual Integrations  
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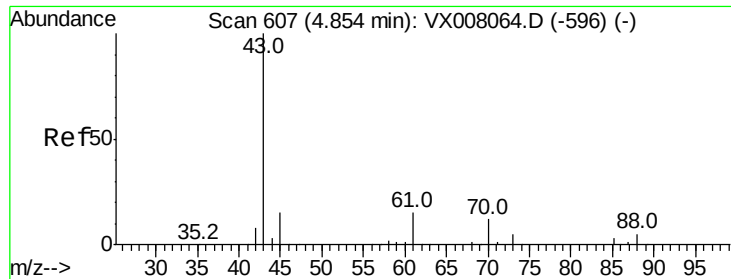
MMDadoda  
 3/15/2019 9:06:19 AM



#36  
 1,1-Dichloropropene  
 Concen: 49.627 ug/l  
 RT: 5.79 min Scan# 761  
 Delta R.T. -0.01 min  
 Lab File: VX008077.D  
 Acq: 14 Mar 2019 18:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 183627 |       |       |
| 110     | 38.4  | 18.4   | 55.0  |       |
| 77      | 31.3  | 25.0   | 37.4  |       |





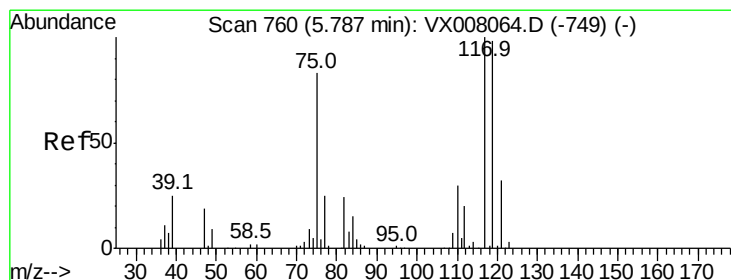
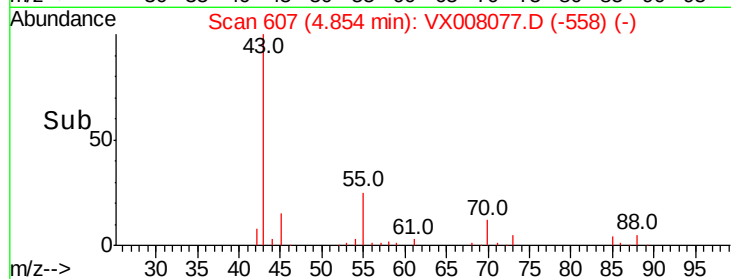
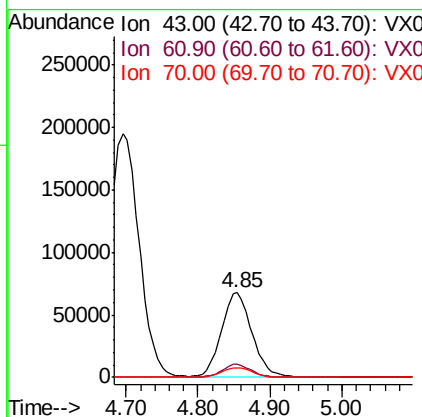
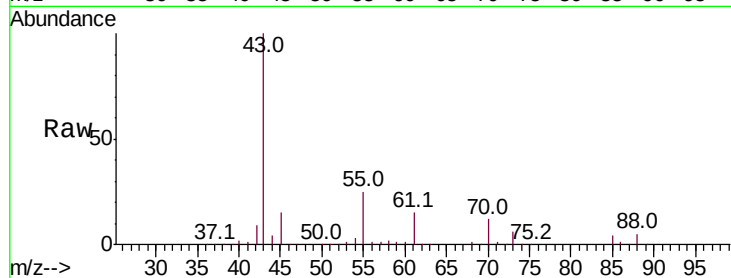
#37  
Ethyl Acetate  
Concen: 49.735 ug/l  
RT: 4.85 min Scan# 607  
Delta R.T. -0.00 min  
Lab File: VX008077.D  
Acq: 14 Mar 2019 18:13

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 15.1  | 11.3  | 16.9  |
| 70      | 12.0  | 8.5   | 12.7  |

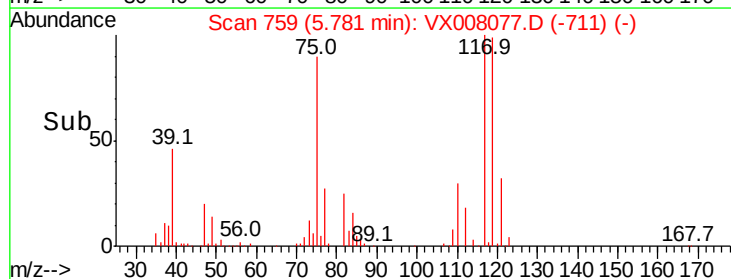
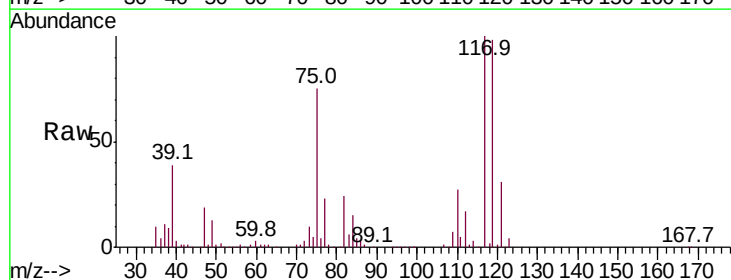
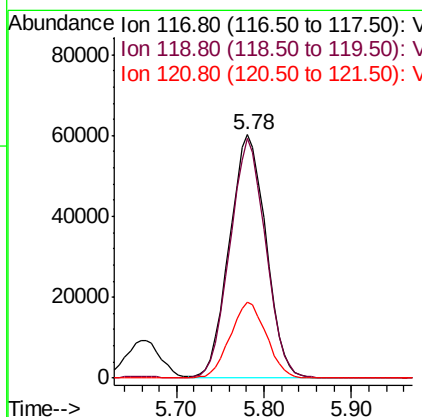
Manual Integrations  
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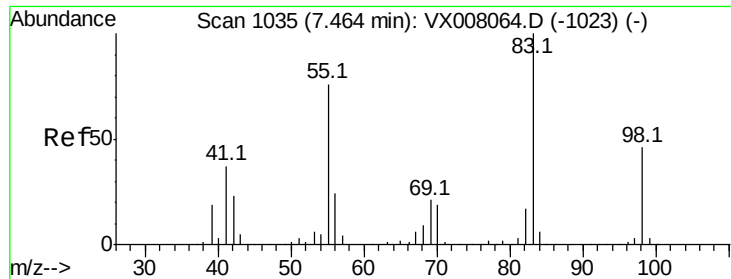


#38  
Carbon Tetrachloride  
Concen: 49.121 ug/l  
RT: 5.78 min Scan# 759  
Delta R.T. -0.01 min  
Lab File: VX008077.D  
Acq: 14 Mar 2019 18:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 98.3  | 76.2  | 114.2 |
| 121     | 31.3  | 24.6  | 36.8  |







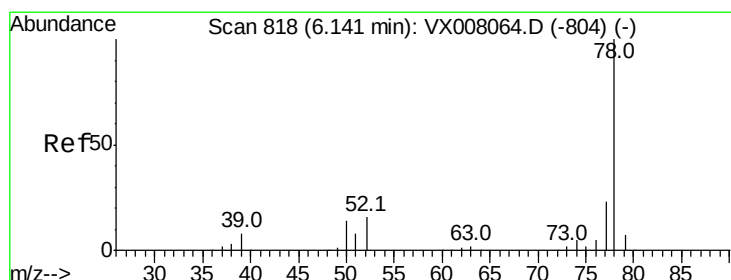
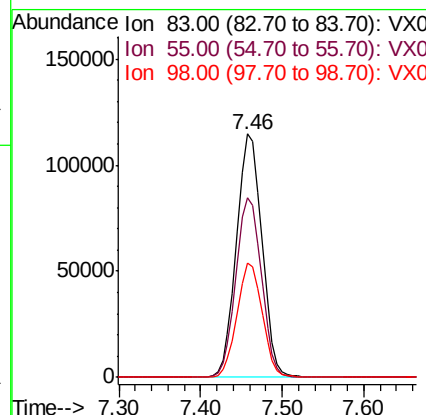
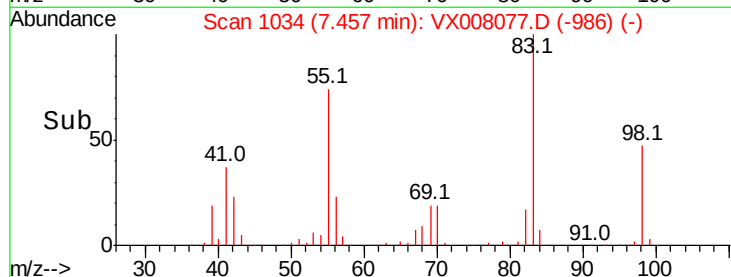
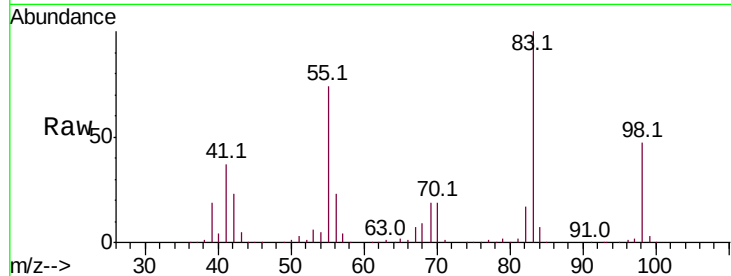
#39  
Methylvlcyclohexane  
Concen: 52.239 ug/l  
RT: 7.46 min Scan# 1034  
Delta R.T. -0.01 min  
Lab File: VX008077.D  
Acq: 14 Mar 2019 18:13

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 73.6  | 60.4  | 90.6  |
| 98      | 46.8  | 36.5  | 54.7  |

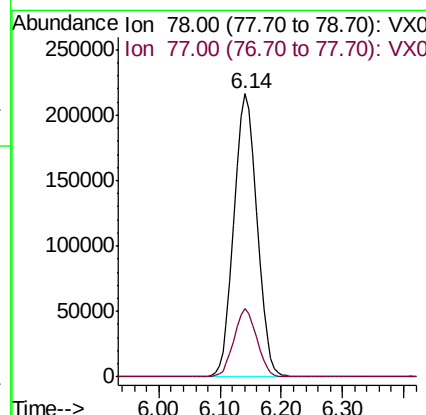
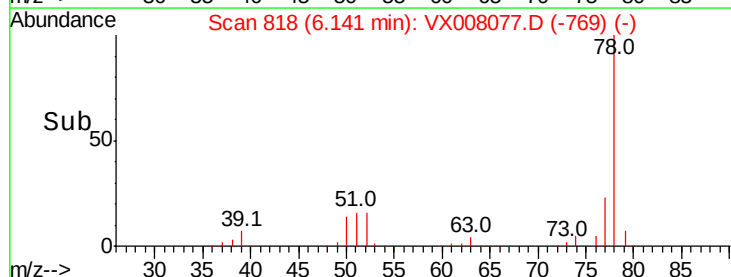
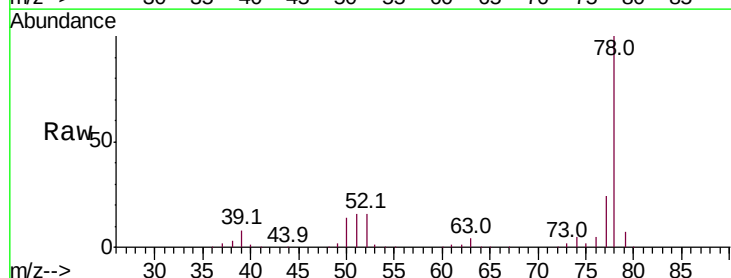
Manual Integrations  
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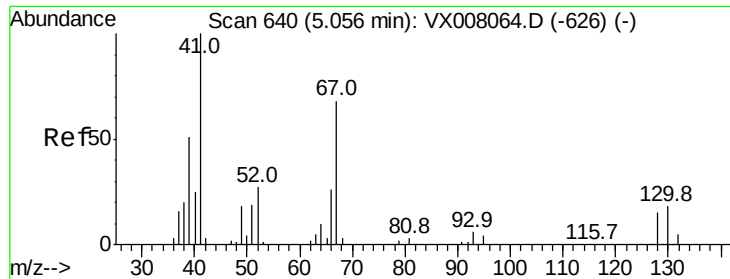
MMDadoda  
3/15/2019 9:06:19 AM



#40  
Benzene  
Concen: 49.525 ug/l  
RT: 6.14 min Scan# 818  
Delta R.T. -0.00 min  
Lab File: VX008077.D  
Acq: 14 Mar 2019 18:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.0  | 19.0  | 28.4  |





#41

Methacrylonitrile

Concen: 49.172 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.00 min

Lab File: VX008077.D

Acq: 14 Mar 2019 18:13

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 113853

Ion Ratio Lower Upper

41 100

39 51.3 41.6 62.4

67 73.2 55.8 83.6

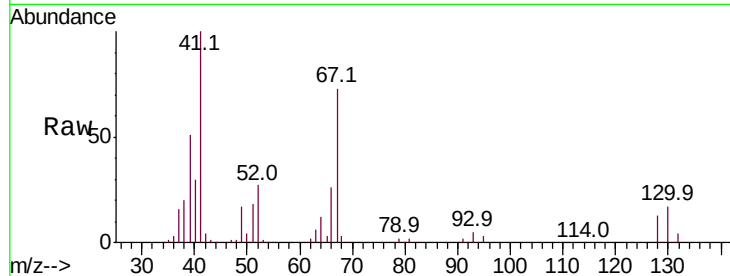
52 27.3 21.7 32.5

Manual Integrations

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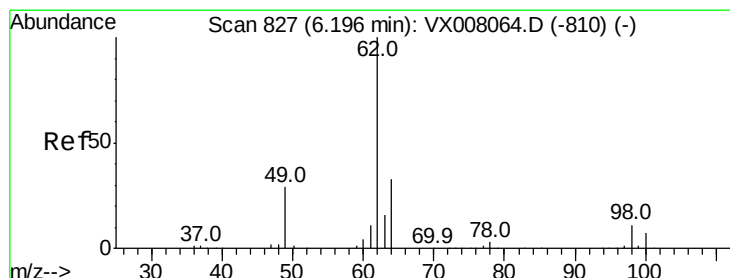
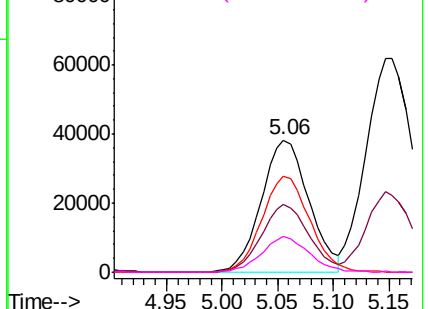
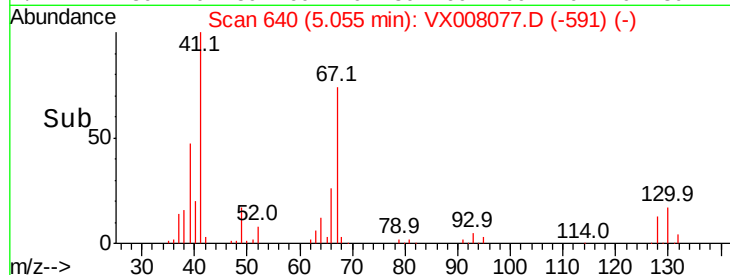


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 47.710 ug/l

RT: 6.20 min Scan# 827

Delta R.T. -0.00 min

Lab File: VX008077.D

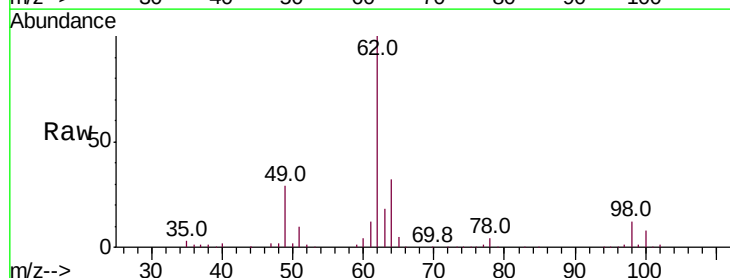
Acq: 14 Mar 2019 18:13

Tgt Ion: 62 Resp: 173005

Ion Ratio Lower Upper

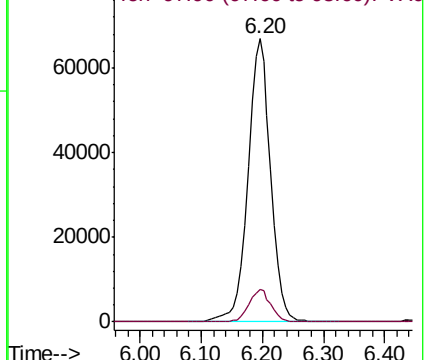
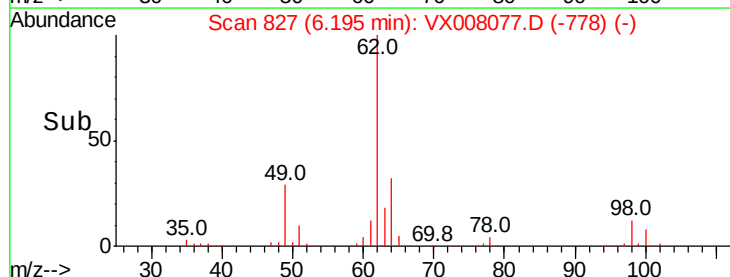
62 100

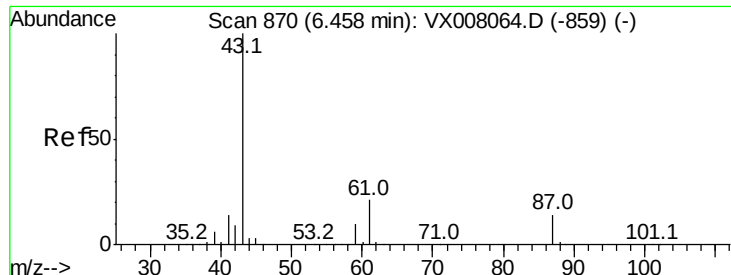
98 11.1 0.0 20.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





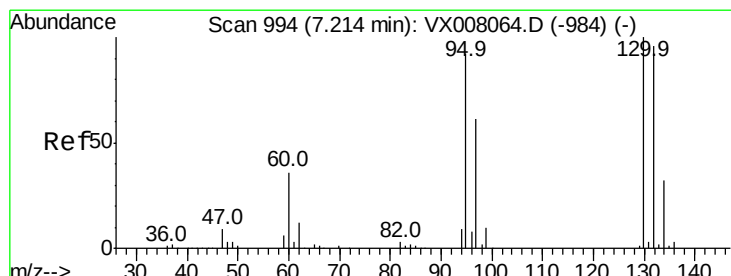
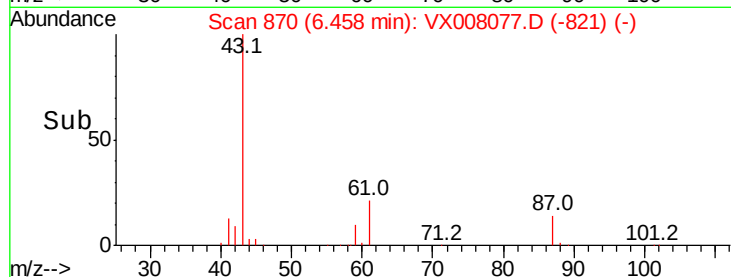
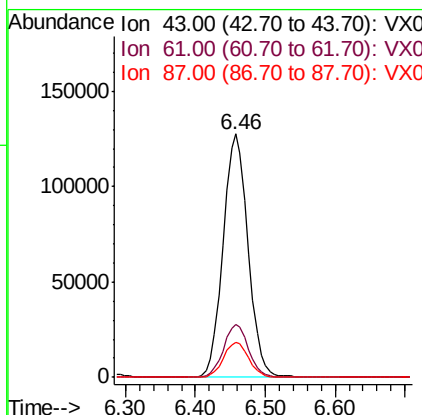
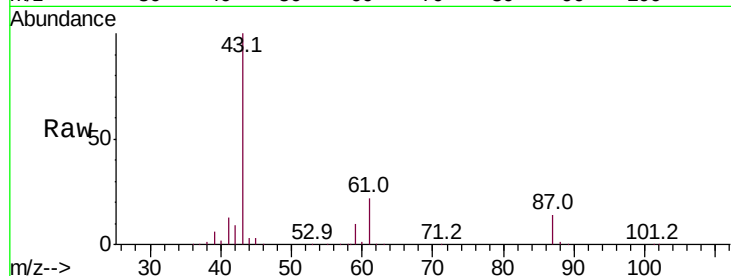
#43  
Isopropyl Acetate  
Concen: 49.085 ug/l  
RT: 6.46 min Scan# 870  
Delta R.T. -0.00 min  
Lab File: VX008077.D  
Acq: 14 Mar 2019 18:13

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 21.8  | 16.3  | 24.5  |
| 87      | 14.5  | 10.5  | 15.7  |

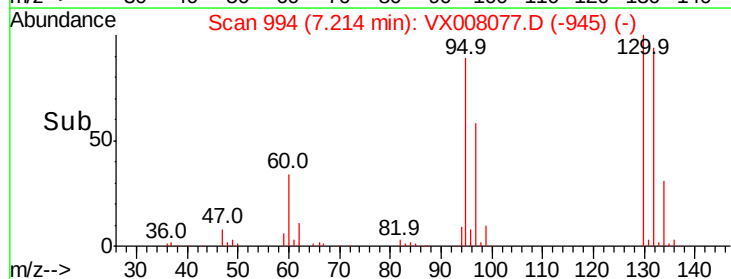
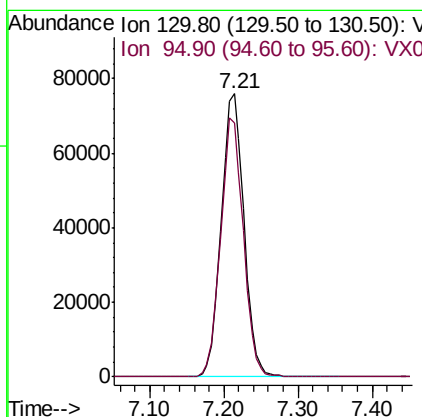
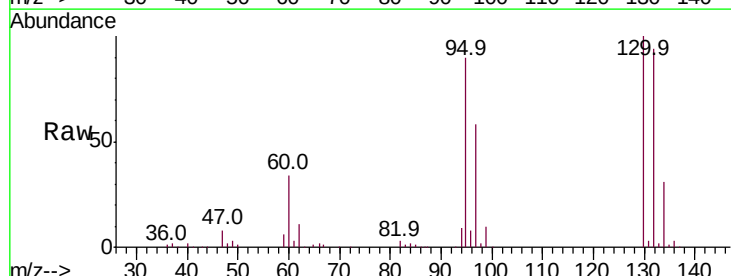
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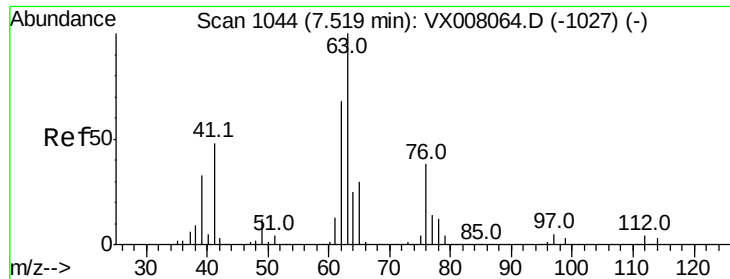
MMDadoda  
3/15/2019 9:06:19 AM



#44  
Trichloroethene  
Concen: 49.257 ug/l  
RT: 7.21 min Scan# 994  
Delta R.T. -0.00 min  
Lab File: VX008077.D  
Acq: 14 Mar 2019 18:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 89.5  | 0.0   | 188.0 |





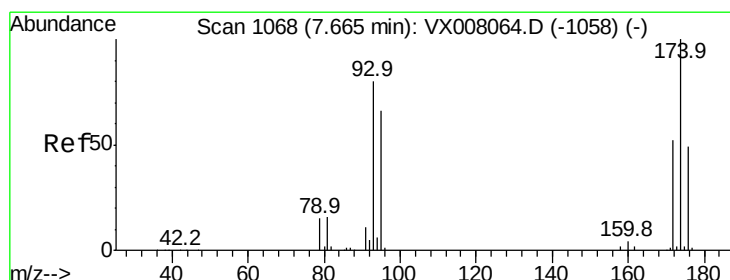
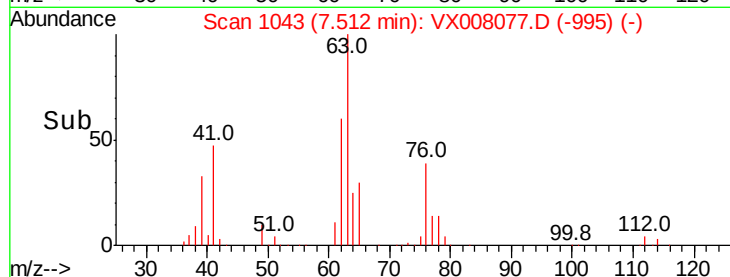
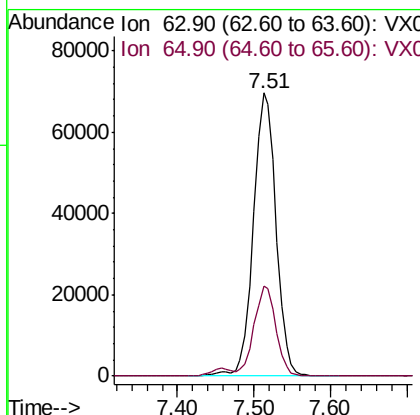
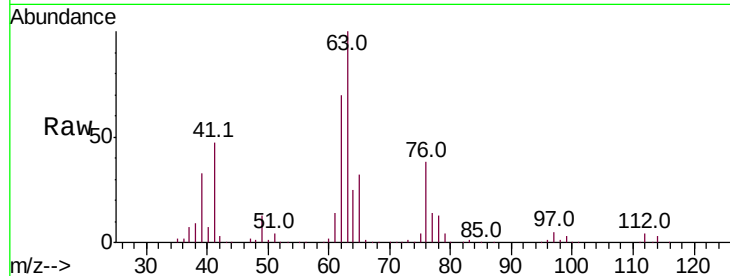
#45  
 1,2-Dichloropropane  
 Concen: 48.292 ug/l  
 RT: 7.51 min Scan# 1043  
 Delta R.T. -0.01 min  
 Lab File: VX008077.D  
 Acq: 14 Mar 2019 18:13

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 63 Resp: 144415  
 Ion Ratio Lower Upper  
 63 100  
 65 31.8 24.7 37.1

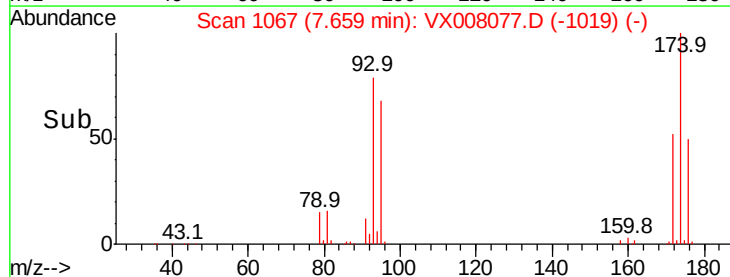
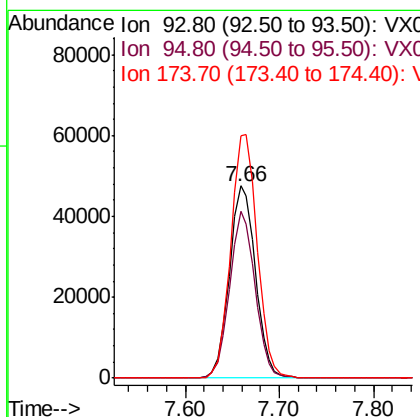
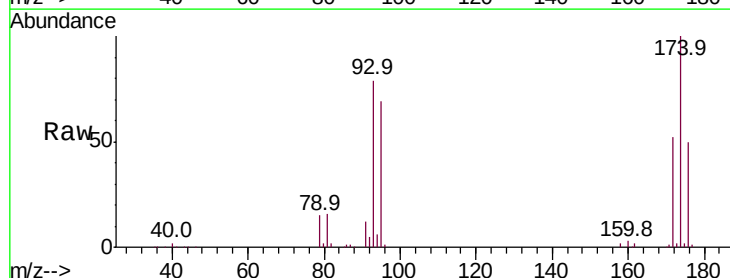
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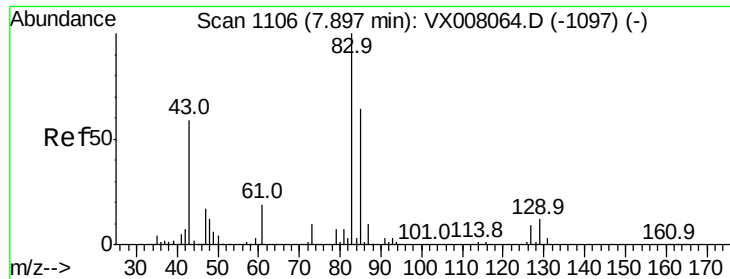
MMDadoda  
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#46  
 Dibromomethane  
 Concen: 48.927 ug/l  
 RT: 7.66 min Scan# 1067  
 Delta R.T. -0.01 min  
 Lab File: VX008077.D  
 Acq: 14 Mar 2019 18:13

Tgt Ion: 93 Resp: 91707  
 Ion Ratio Lower Upper  
 93 100  
 95 84.3 66.8 100.2  
 174 127.9 97.3 145.9





#47

Bromodichloromethane

Concen: 47.666 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX008077.D

Acq: 14 Mar 2019 18:13

Instrument :

MSVOA\_X

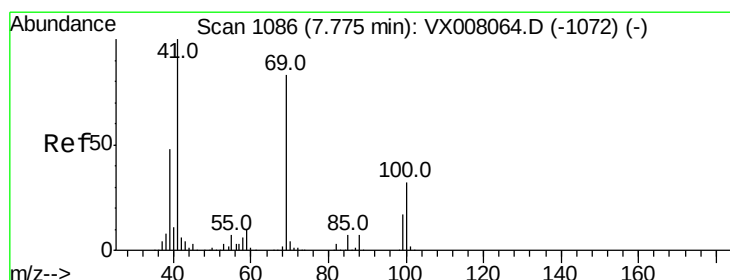
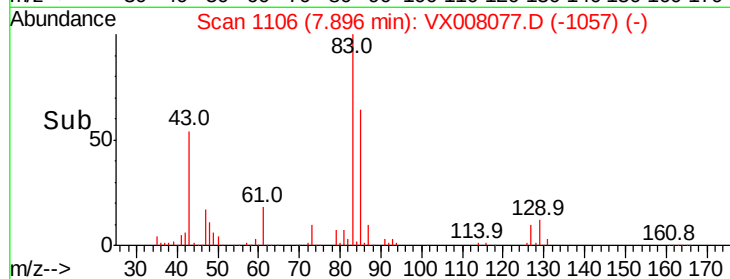
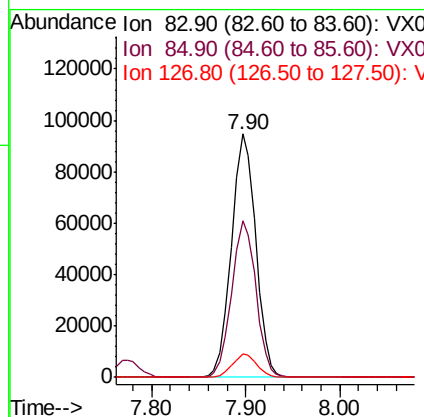
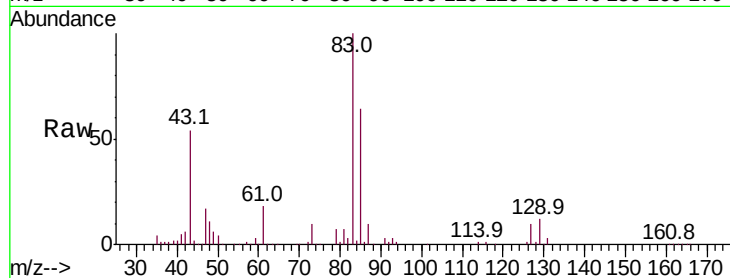
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 169915 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 64.4  | 50.9  | 76.3   |
| 127      | 9.8   | 7.4   | 11.0   |

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3/15/2019 9:06:19 AM



#48

Methyl methacrylate

Concen: 48.220 ug/l

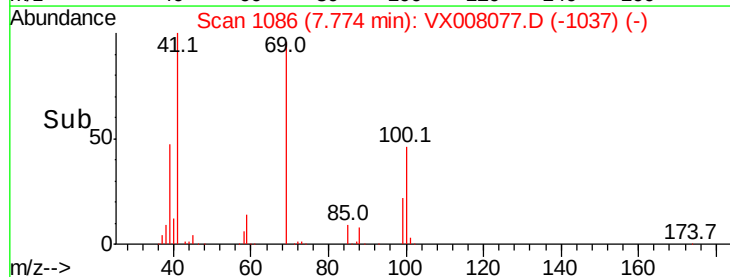
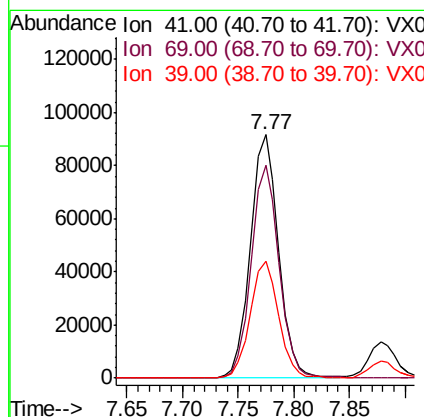
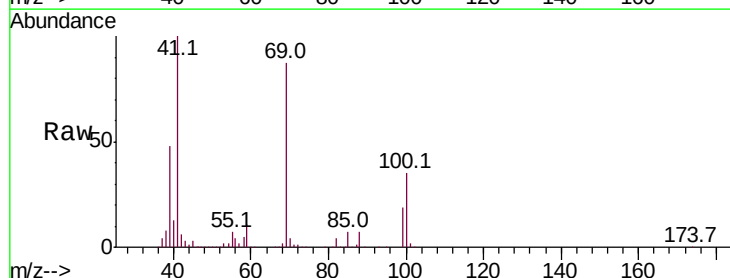
RT: 7.77 min Scan# 1086

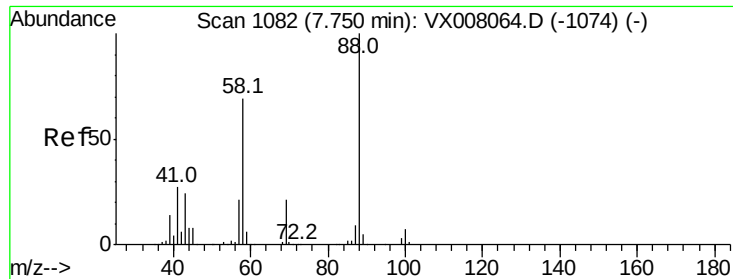
Delta R.T. -0.00 min

Lab File: VX008077.D

Acq: 14 Mar 2019 18:13

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 161289 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 69       | 87.5  | 65.2  | 97.8   |
| 39       | 48.8  | 39.4  | 59.2   |





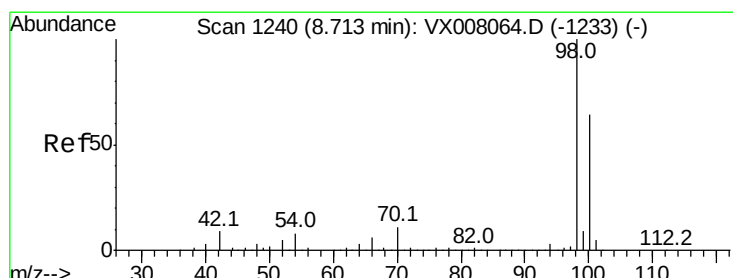
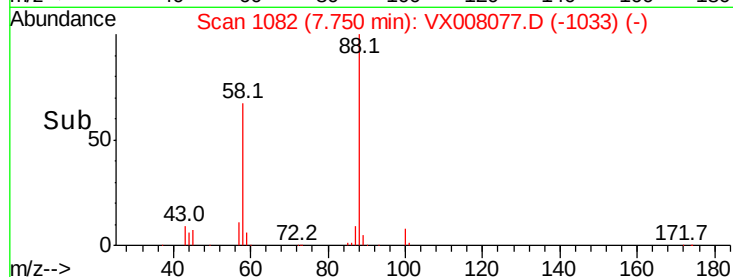
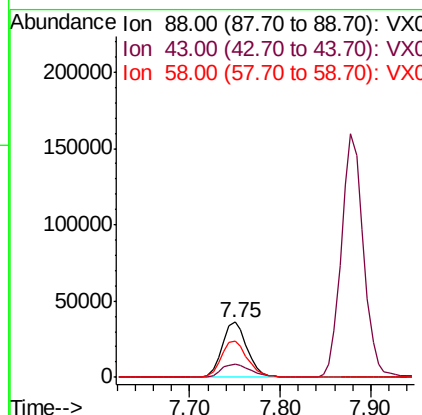
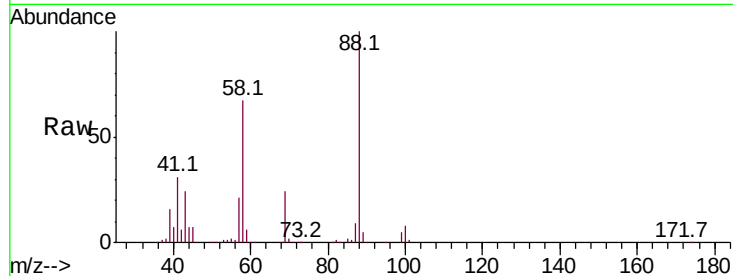
#49  
 1,4-Dioxane  
 Concen: 972.665 ug/l  
 RT: 7.75 min Scan# 1082  
 Delta R.T. -0.00 min  
 Lab File: VX008077.D  
 Acq: 14 Mar 2019 18:13

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | 88    | Resp  | 70170 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 29.4  | 25.1  | 37.7  |
| 58      | 69.2  | 57.8  | 86.6  |

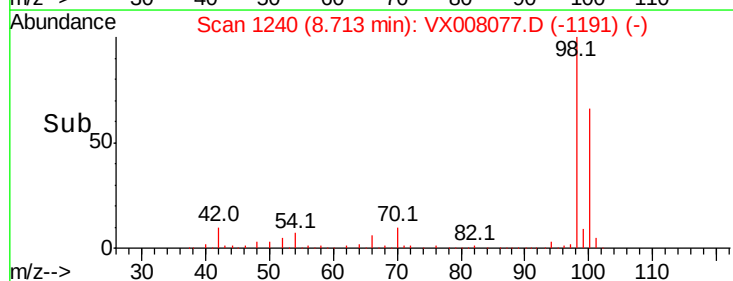
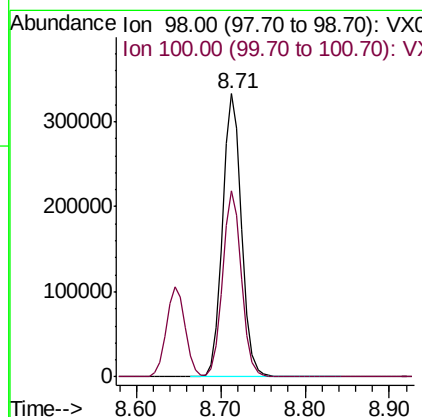
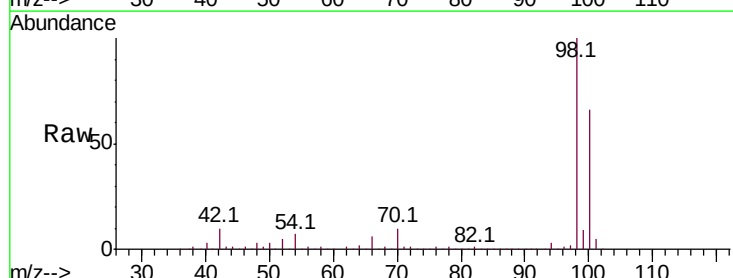
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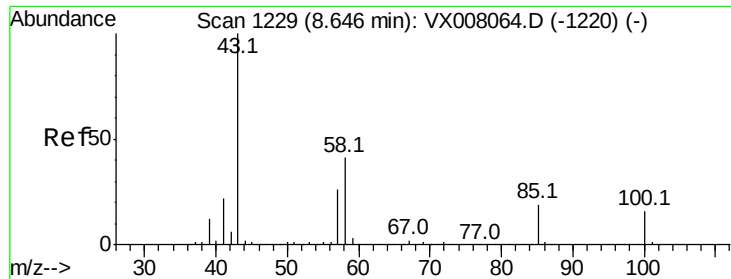
MMDadoda  
 3/15/2019 9:06:19 AM



#50  
 Toluene-d8  
 Concen: 47.702 ug/l  
 RT: 8.71 min Scan# 1240  
 Delta R.T. -0.00 min  
 Lab File: VX008077.D  
 Acq: 14 Mar 2019 18:13

| Tgt Ion | 98    | Resp  | 517460 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 98      | 100   |       |        |
| 100     | 65.5  | 51.7  | 77.5   |





#51

4-Methyl-2-Pentanone

Concen: 232.728 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX008077.D

Acq: 14 Mar 2019 18:13

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 982329

Ion Ratio Lower Upper

43 100

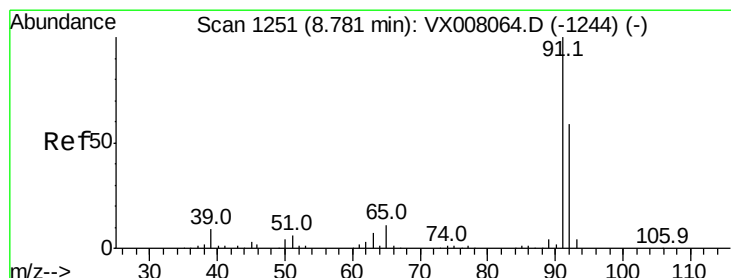
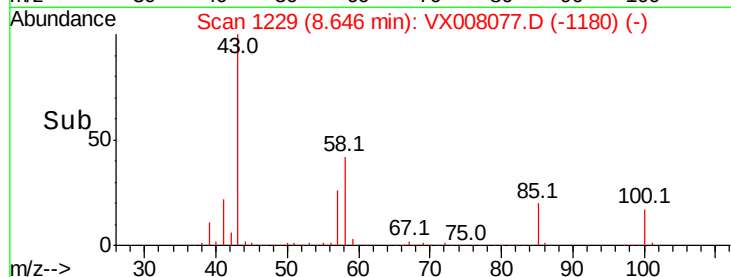
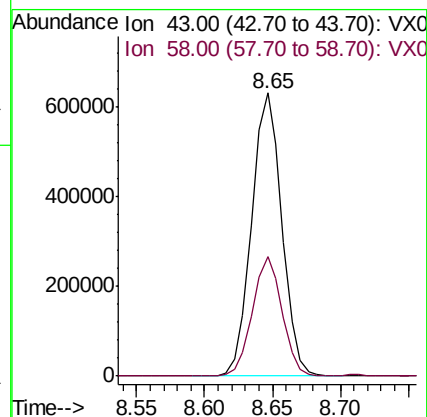
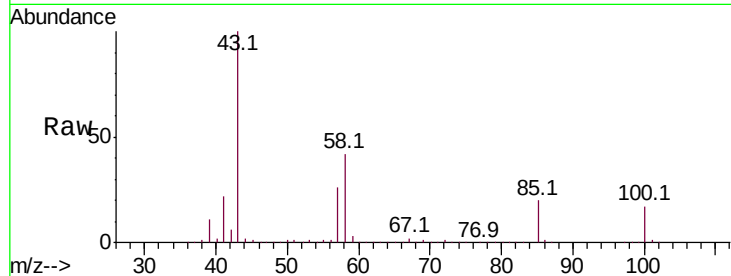
58 41.4 31.3 46.9

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#52

Toluene

Concen: 48.768 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX008077.D

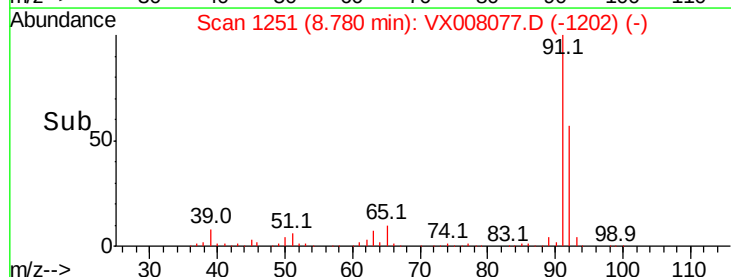
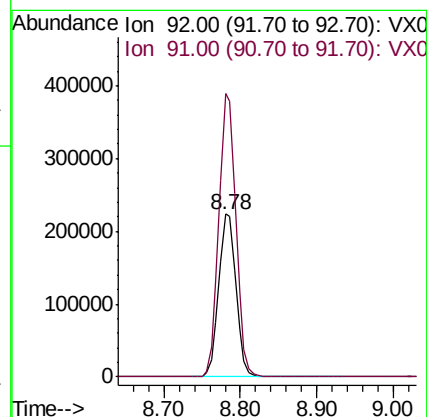
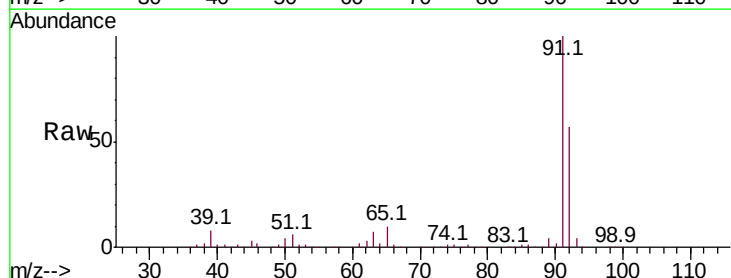
Acq: 14 Mar 2019 18:13

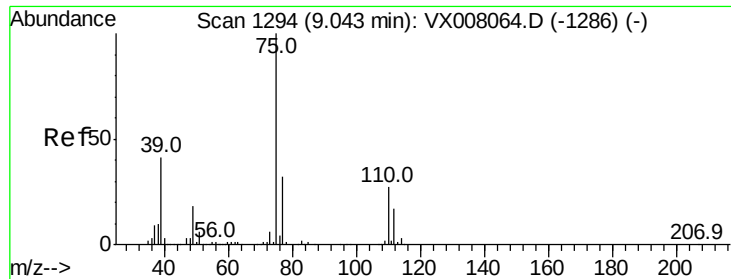
Tgt Ion: 92 Resp: 351395

Ion Ratio Lower Upper

92 100

91 171.9 137.4 206.0





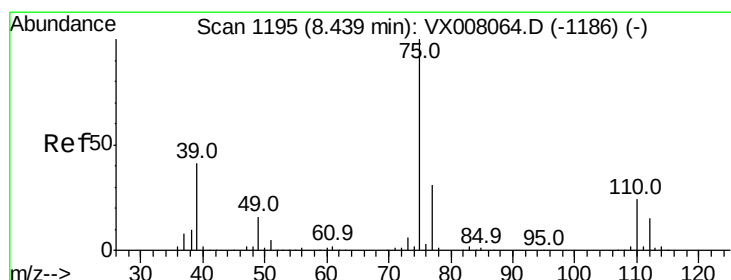
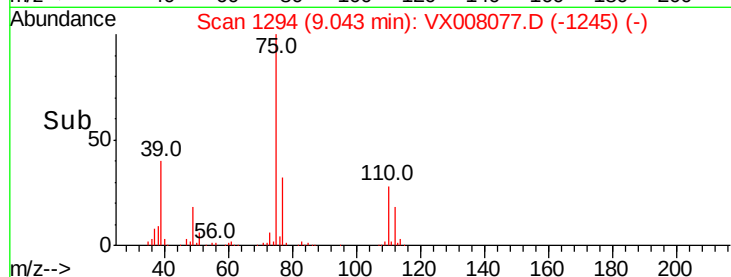
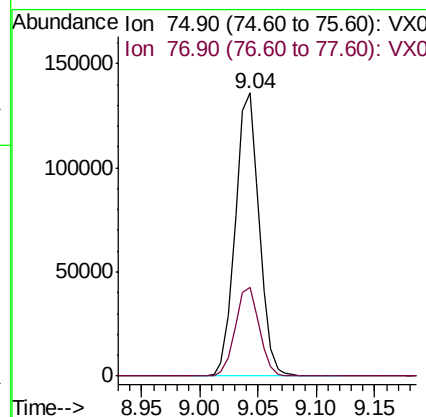
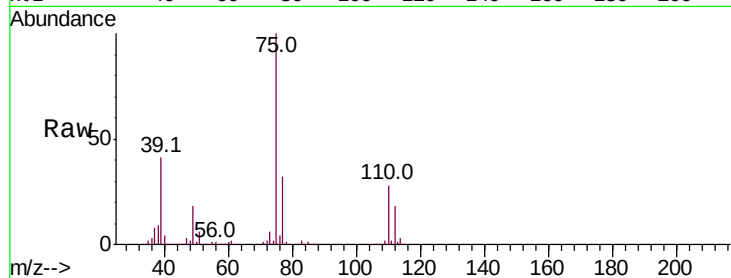
#53  
t-1,3-Dichloropropene  
Concen: 49.723 ug/l  
RT: 9.04 min Scan# 1294  
Delta R.T. -0.00 min  
Lab File: VX008077.D  
Acq: 14 Mar 2019 18:13

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.5  | 25.4  | 38.0  |

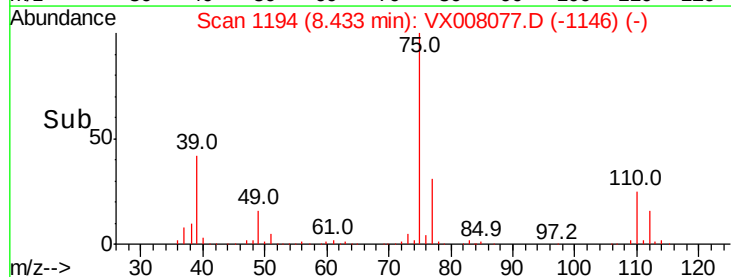
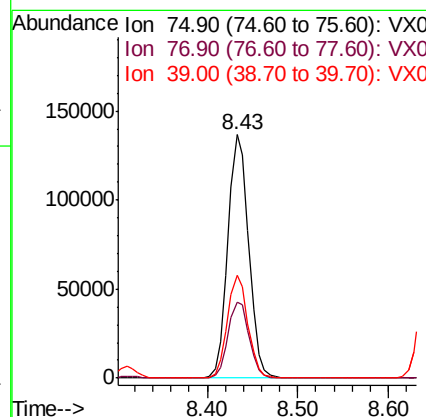
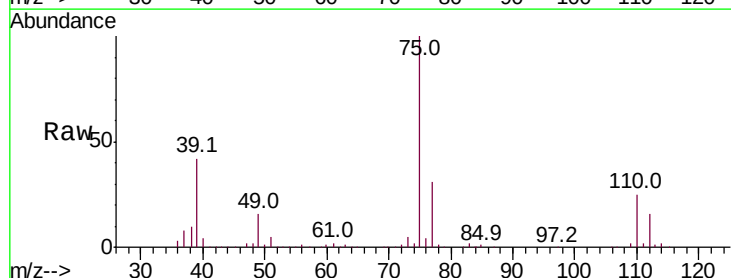
Manual Integrations  
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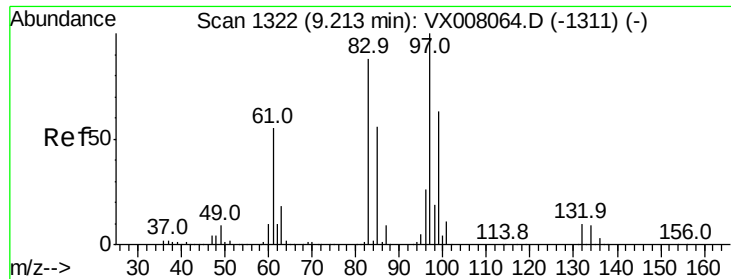


#54  
cis-1,3-Dichloropropene  
Concen: 50.397 ug/l  
RT: 8.43 min Scan# 1194  
Delta R.T. -0.01 min  
Lab File: VX008077.D  
Acq: 14 Mar 2019 18:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.3  | 25.0  | 37.6  |
| 39      | 42.2  | 36.6  | 54.8  |







#55

1,1,2-Trichloroethane

Concen: 48.672 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX008077.D

Acq: 14 Mar 2019 18:13

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 142796

Ion Ratio Lower Upper

97 100

83 84.0 69.1 103.7

85 54.9 44.3 66.5

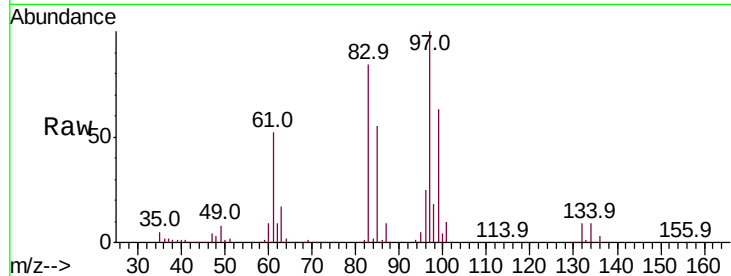
99 63.1 49.8 74.8

Manual Integrations

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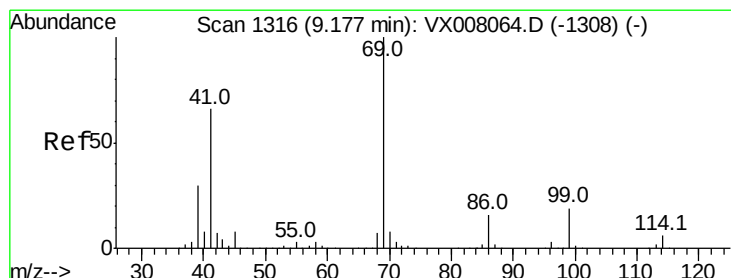
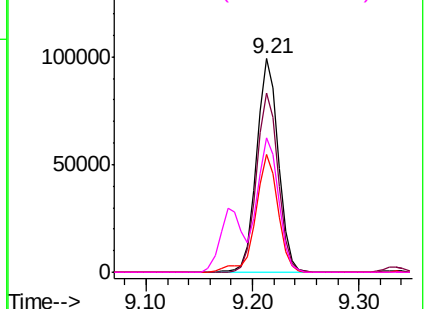
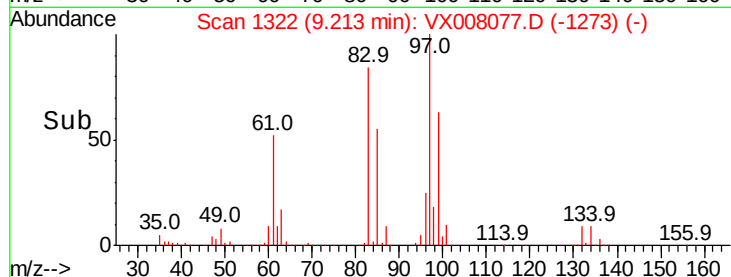
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 49.757 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX008077.D

Acq: 14 Mar 2019 18:13

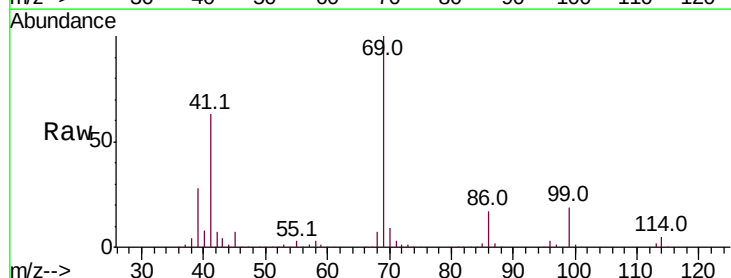
Tgt Ion: 69 Resp: 215634

Ion Ratio Lower Upper

69 100

41 62.8 54.2 81.4

39 28.5 25.0 37.4

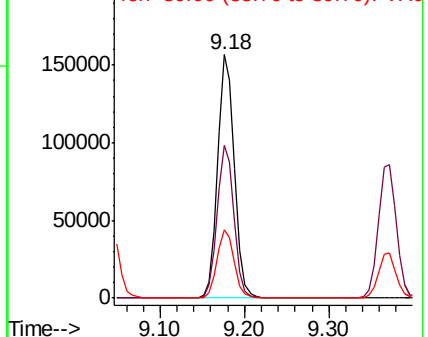
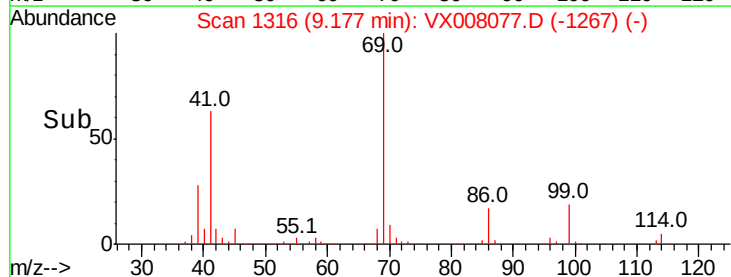


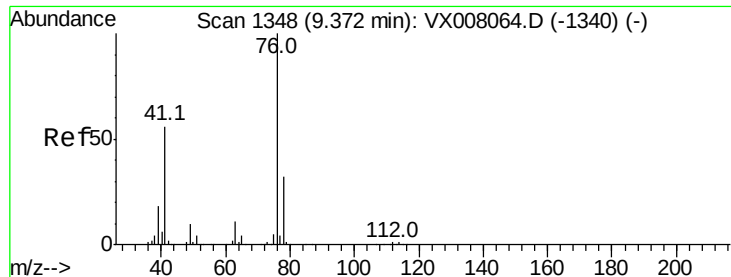
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 47.325 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX008077.D

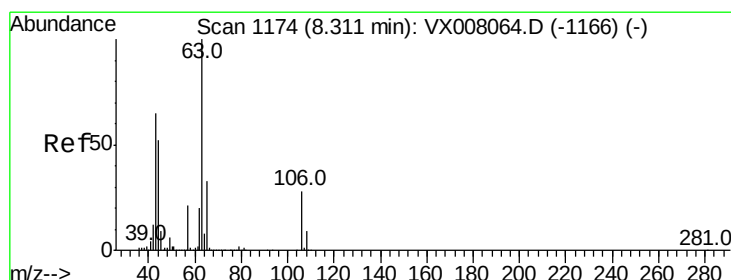
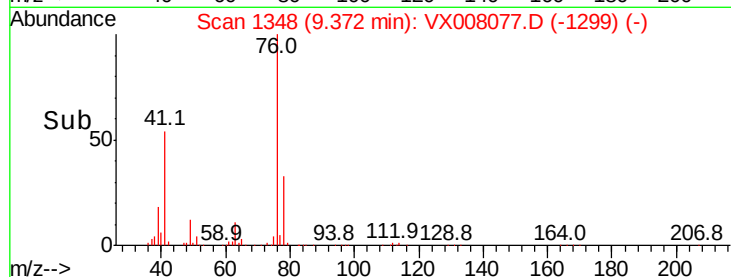
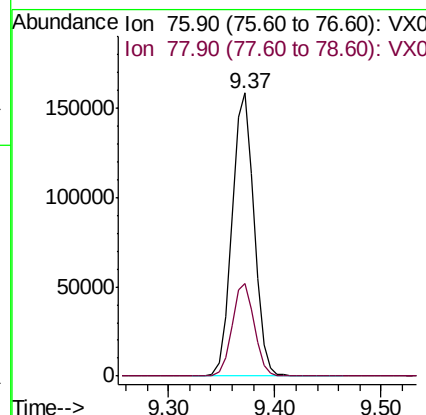
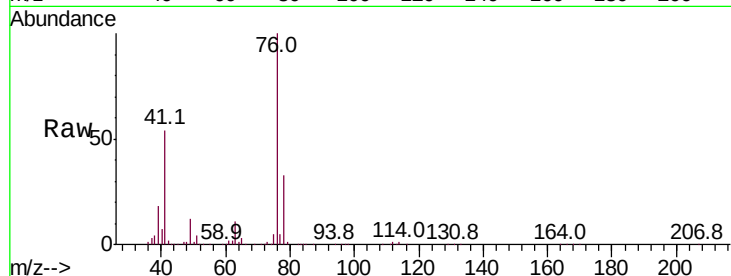
Acq: 14 Mar 2019 18:13

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.9  | 25.5  | 38.3  |

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#58

2-Chloroethyl Vinyl ether

Concen: 235.555 ug/l

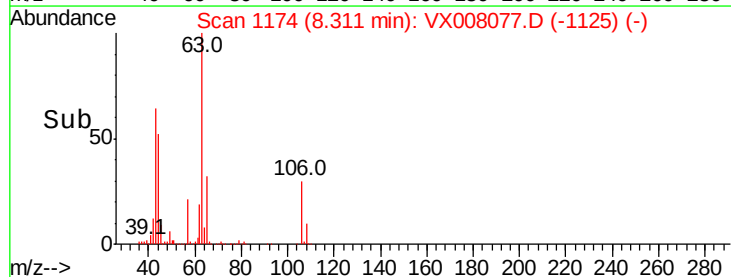
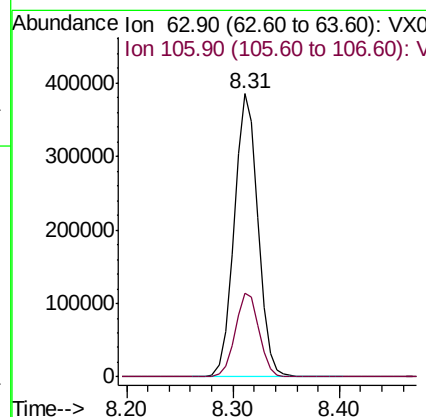
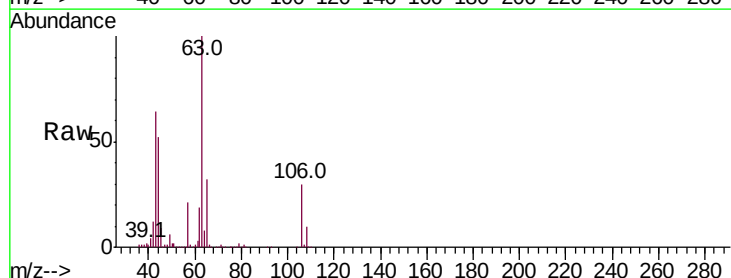
RT: 8.31 min Scan# 1174

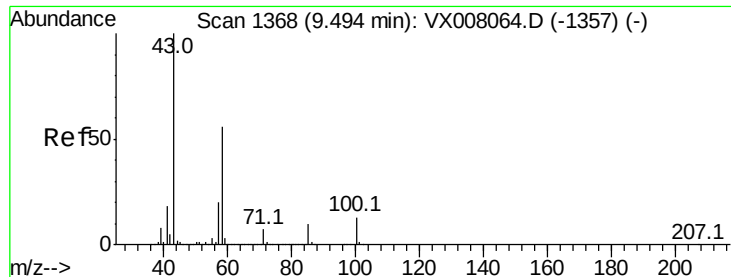
Delta R.T. -0.00 min

Lab File: VX008077.D

Acq: 14 Mar 2019 18:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 29.9  | 22.2  | 33.2  |





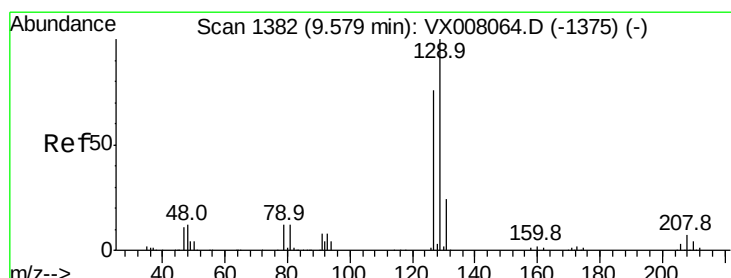
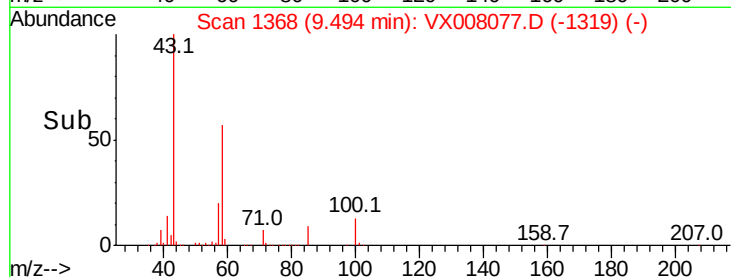
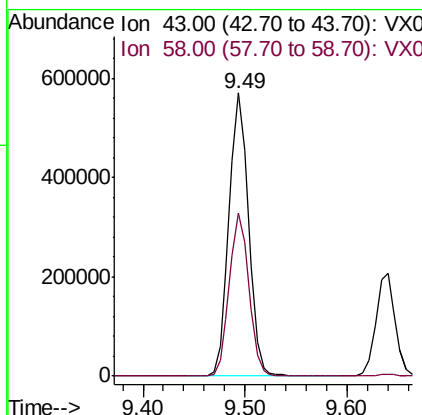
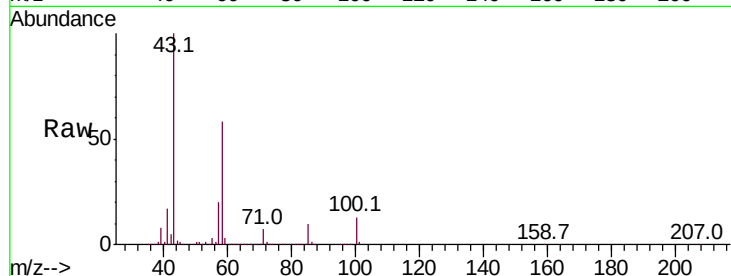
#59  
2-Hexanone  
Concen: 229.292 ug/l  
RT: 9.49 min Scan# 1368  
Delta R.T. -0.00 min  
Lab File: VX008077.D  
Acq: 14 Mar 2019 18:13

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tot Ion: 43 Resp: 756908  
Ion Ratio Lower Upper  
43 100  
58 57.5 27.6 82.7

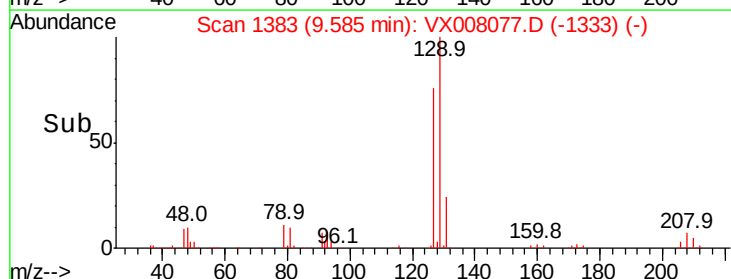
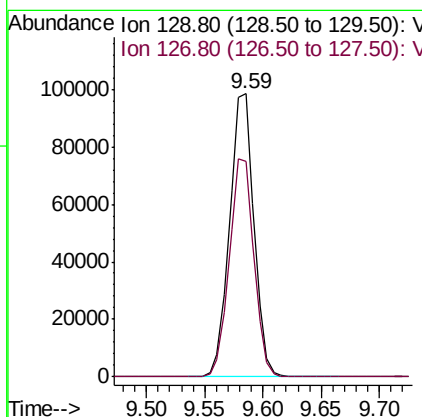
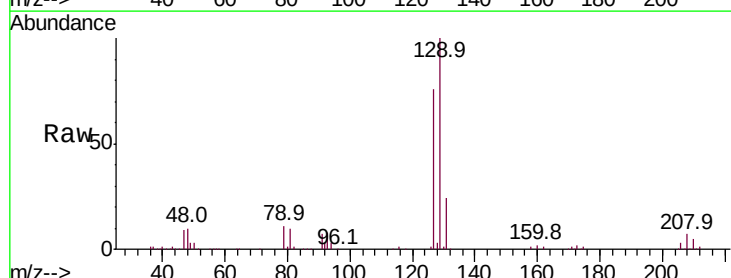
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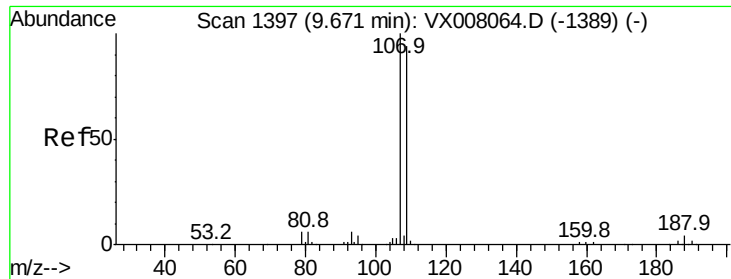
MMDadoda  
3/15/2019 9:06:19 AM



#60  
Dibromochloromethane  
Concen: 47.560 ug/l  
RT: 9.59 min Scan# 1383  
Delta R.T. 0.01 min  
Lab File: VX008077.D  
Acq: 14 Mar 2019 18:13

Tgt Ion:129 Resp: 143813  
Ion Ratio Lower Upper  
129 100  
127 77.7 38.3 114.8





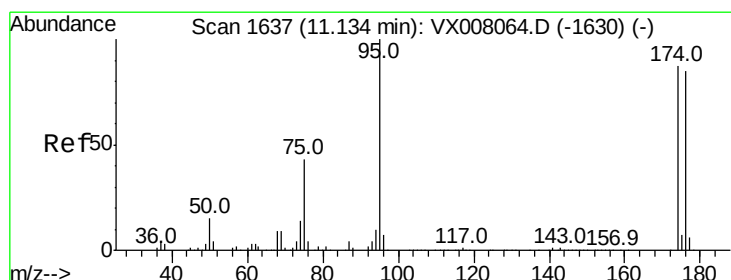
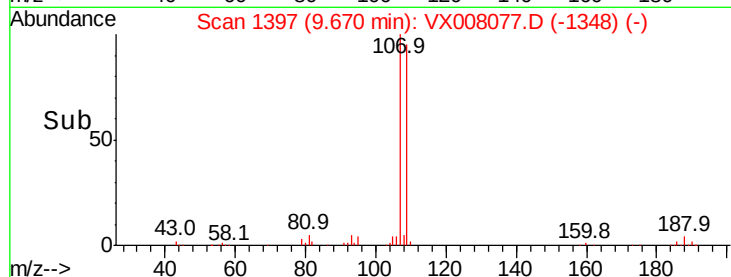
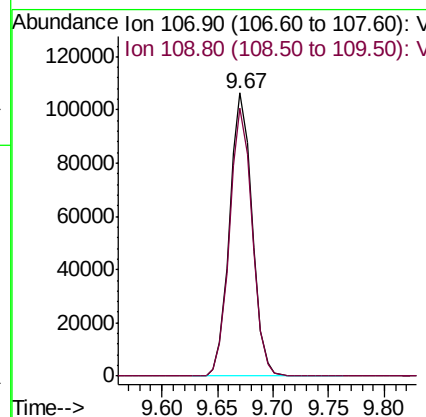
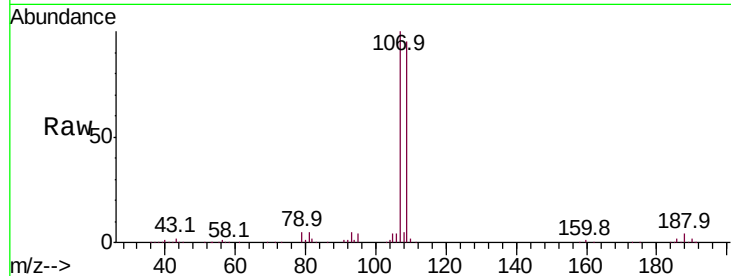
#61  
 1,2-Dibromoethane  
 Concen: 48.439 ug/l  
 RT: 9.67 min Scan# 1397  
 Delta R.T. -0.00 min  
 Lab File: VX008077.D  
 Acq: 14 Mar 2019 18:13

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 95.5  | 75.8  | 113.8 |

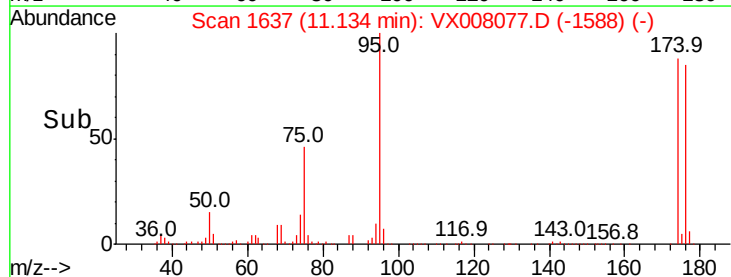
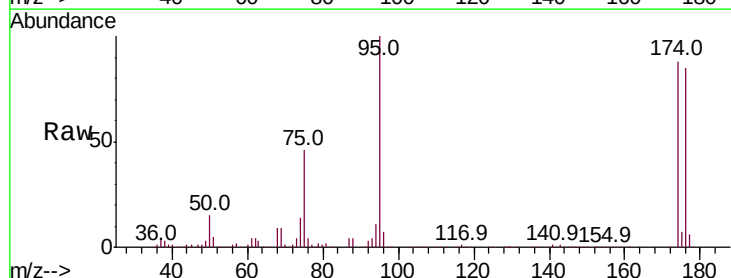
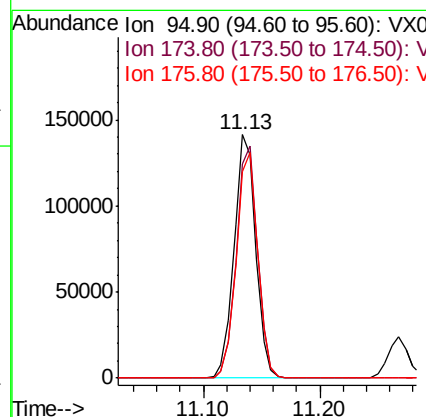
Manual Integrations  
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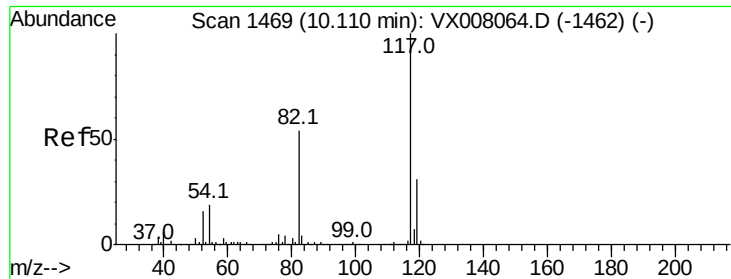
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 3/15/2019 9:06:19 AM



#62  
 4-Bromofluorobenzene  
 Concen: 47.012 ug/l  
 RT: 11.13 min Scan# 1637  
 Delta R.T. -0.00 min  
 Lab File: VX008077.D  
 Acq: 14 Mar 2019 18:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 94.8  | 0.0   | 182.8 |
| 176     | 92.3  | 0.0   | 178.0 |





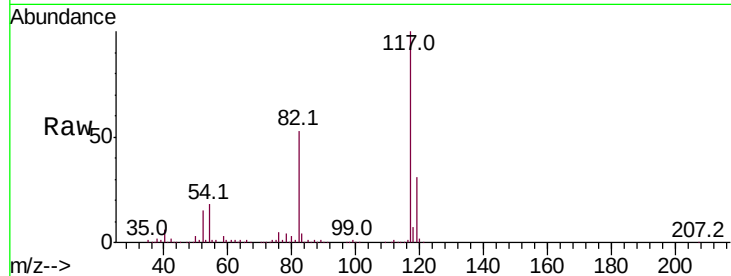
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. -0.00 min  
Lab File: VX008077.D  
Acq: 14 Mar 2019 18:13

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 82      | 53.0  | 44.3 | 66.5  |       |
| 119     | 31.3  | 25.3 | 37.9  |       |

Manual Integrations  
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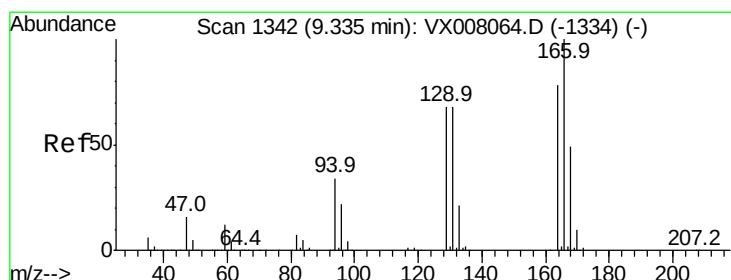
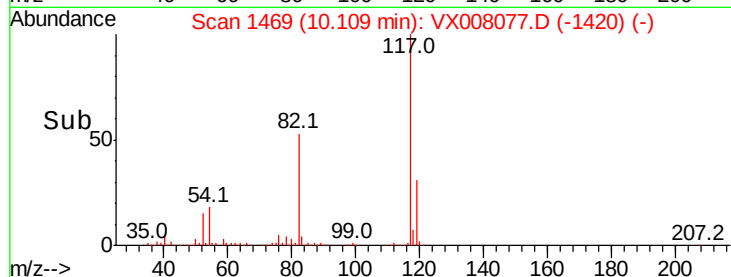
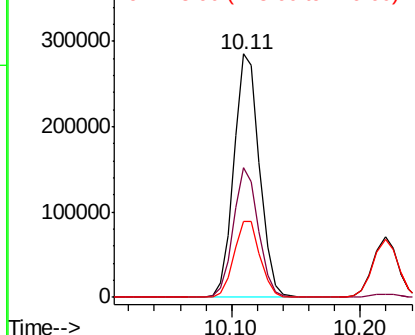


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64  
Tetrachloroethene  
Concen: 50.857 ug/l  
RT: 9.34 min Scan# 1342  
Delta R.T. -0.00 min  
Lab File: VX008077.D  
Acq: 14 Mar 2019 18:13

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   |       |       |       |
| 166     | 127.0 | 103.4 | 155.0 |       |
| 129     | 85.2  | 72.2  | 108.4 |       |
| 131     | 85.1  | 69.4  | 104.2 |       |

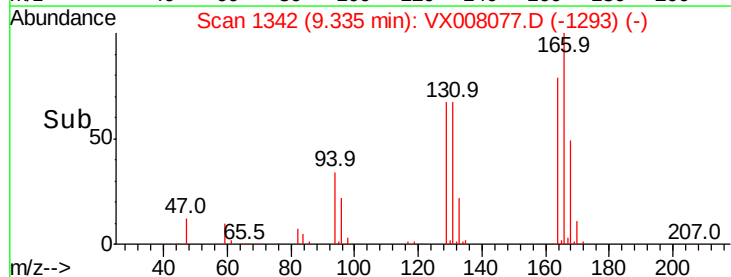
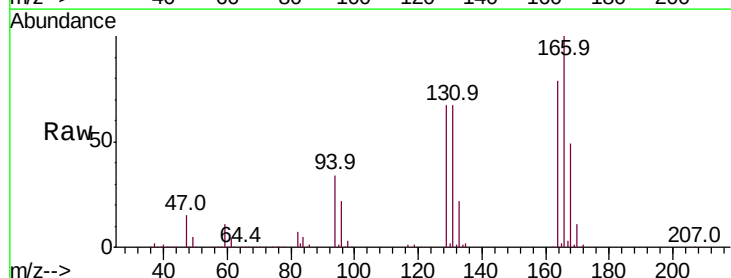
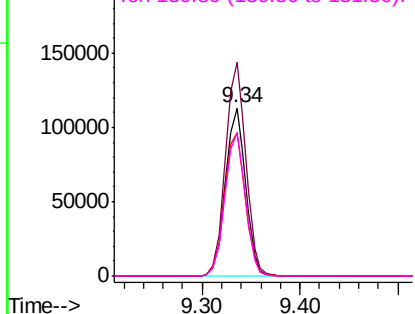
Abundance

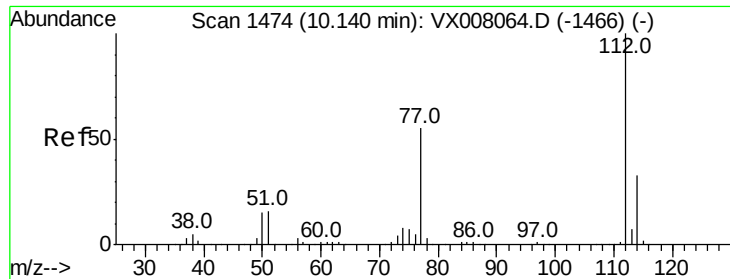
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





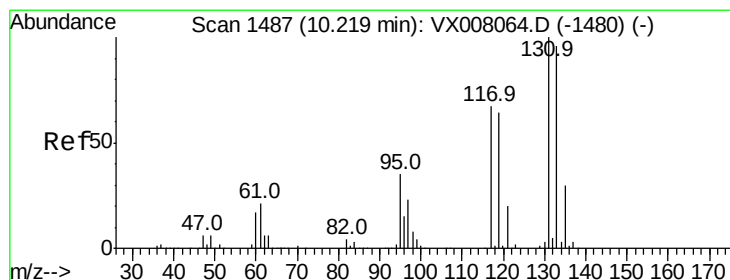
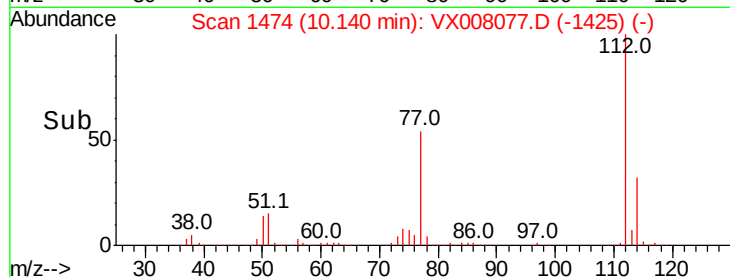
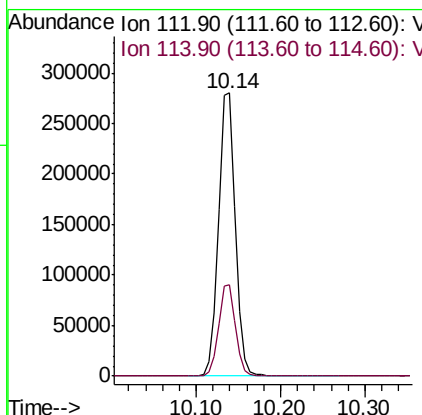
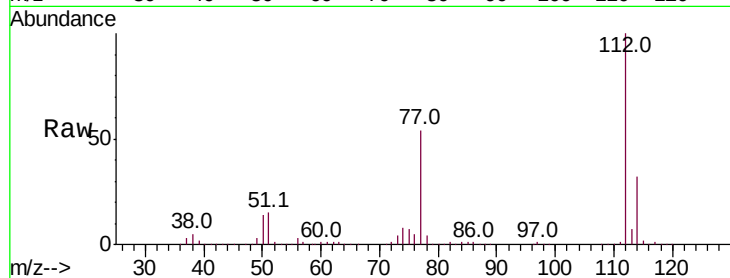
#65  
Chlorobenzene  
Concen: 49.664 ug/l  
RT: 10.14 min Scan# 1474  
Delta R.T. -0.00 min  
Lab File: VX008077.D  
Acq: 14 Mar 2019 18:13

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tot Ion:112 Resp: 388909  
Ion Ratio Lower Upper  
112 100  
114 32.1 26.0 39.0

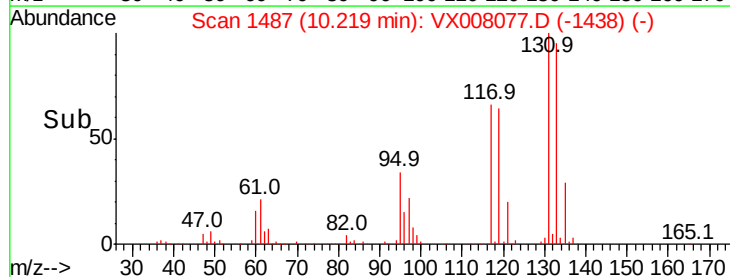
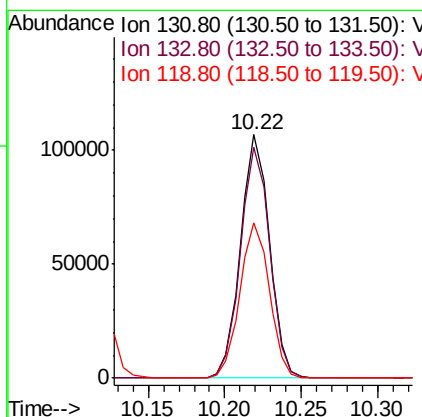
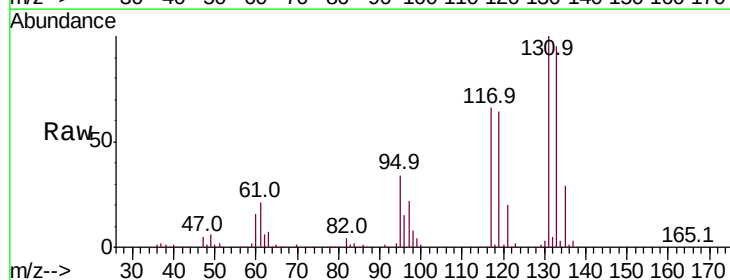
Manual Integrations  
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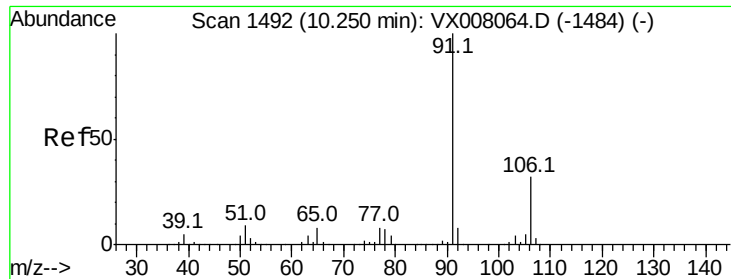
MMDadoda  
3/15/2019 9:06:19 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 50.636 ug/l  
RT: 10.22 min Scan# 1487  
Delta R.T. -0.00 min  
Lab File: VX008077.D  
Acq: 14 Mar 2019 18:13

Tgt Ion:131 Resp: 140721  
Ion Ratio Lower Upper  
131 100  
133 95.9 47.8 143.3  
119 65.1 32.5 97.5





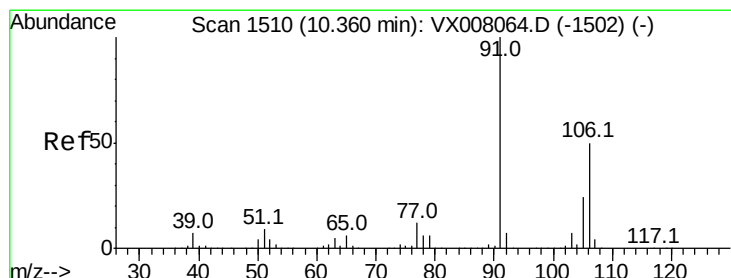
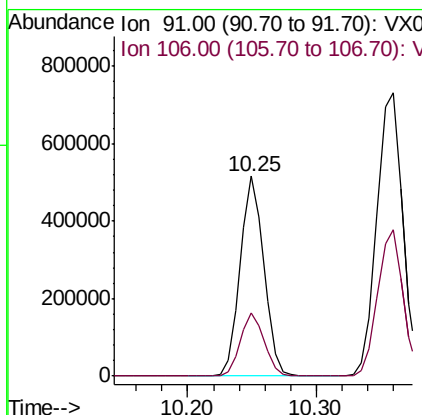
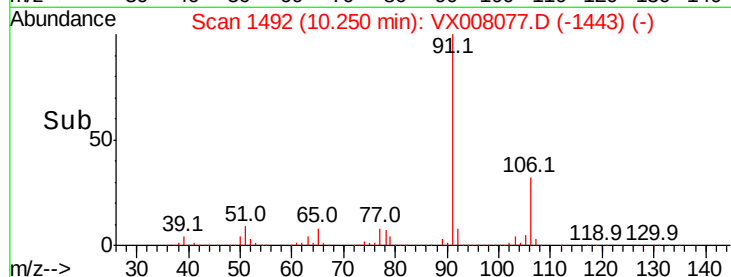
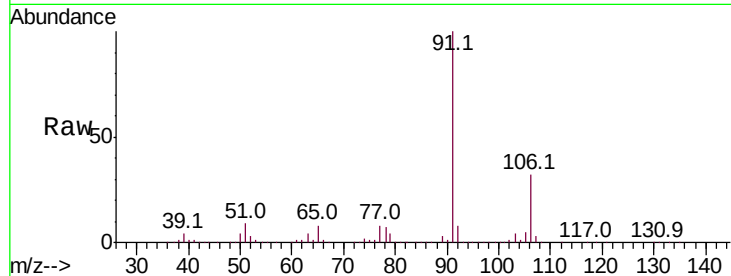
#67  
Ethyl Benzene  
Concen: 50.761 ug/l  
RT: 10.25 min Scan# 1492  
Delta R.T. -0.00 min  
Lab File: VX008077.D  
Acq: 14 Mar 2019 18:13

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tot Ion: 91 Resp: 657939  
Ion Ratio Lower Upper  
91 100  
106 31.9 25.2 37.8

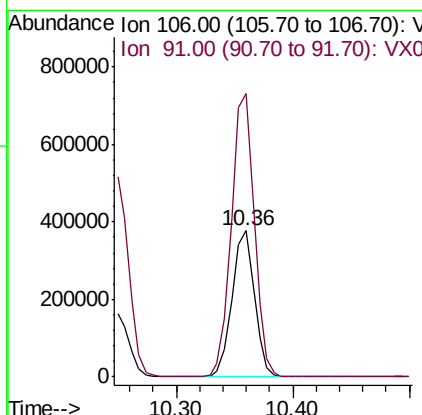
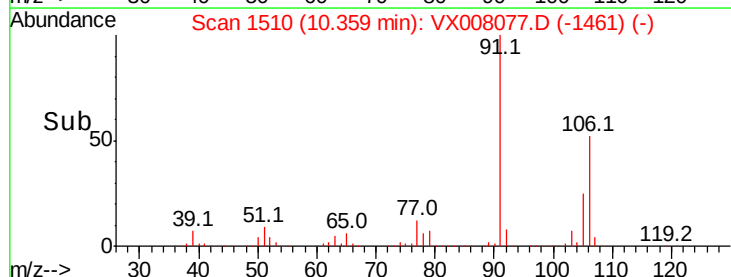
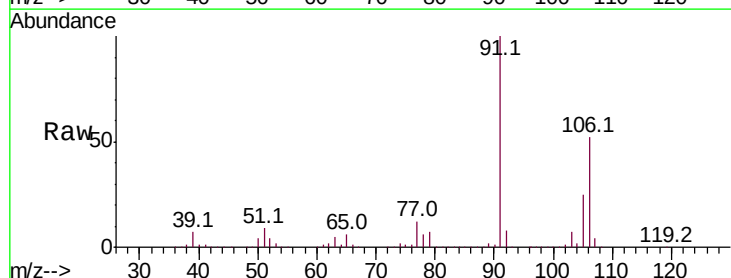
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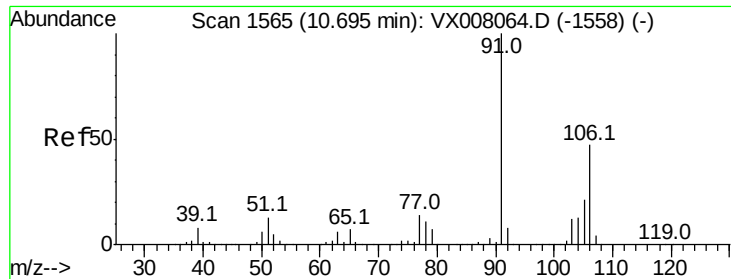
MMDadoda  
3/15/2019 9:06:19 AM



#68  
m/p-Xylenes  
Concen: 102.828 ug/l  
RT: 10.36 min Scan# 1510  
Delta R.T. -0.00 min  
Lab File: VX008077.D  
Acq: 14 Mar 2019 18:13

Tgt Ion: 106 Resp: 509993  
Ion Ratio Lower Upper  
106 100  
91 198.0 159.8 239.6





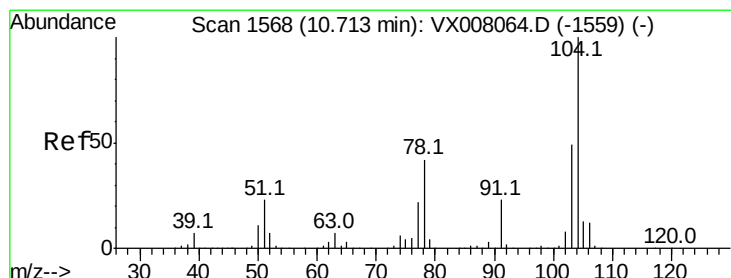
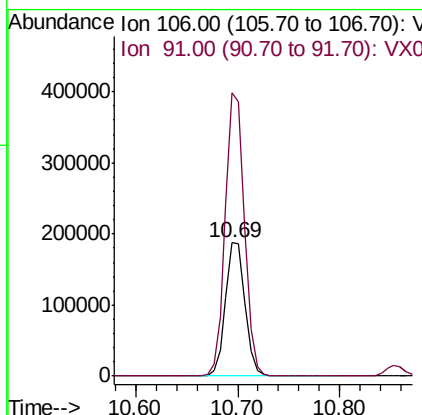
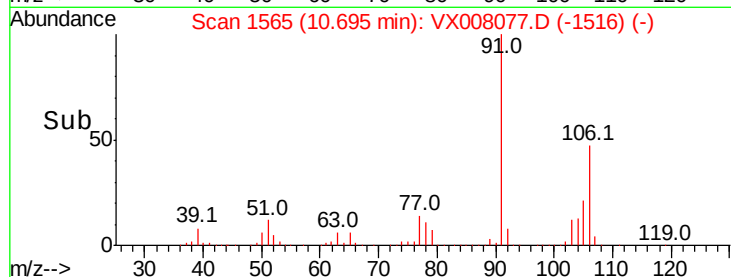
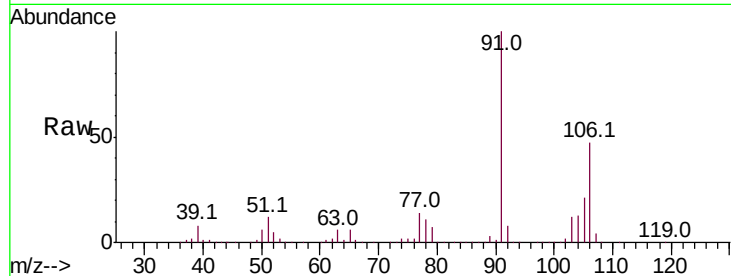
#69  
o-Xylene  
Concen: 51.270 ug/l  
RT: 10.69 min Scan# 1565  
Delta R.T. -0.00 min  
Lab File: VX008077.D  
Acq: 14 Mar 2019 18:13

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 209.3 | 106.3 | 318.9 |

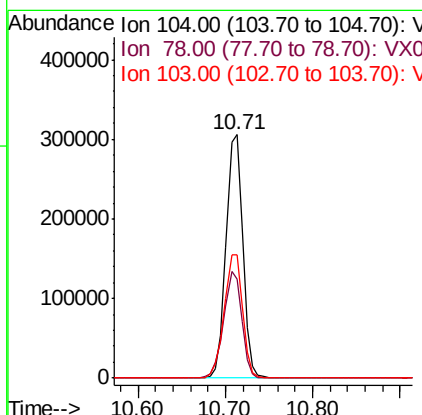
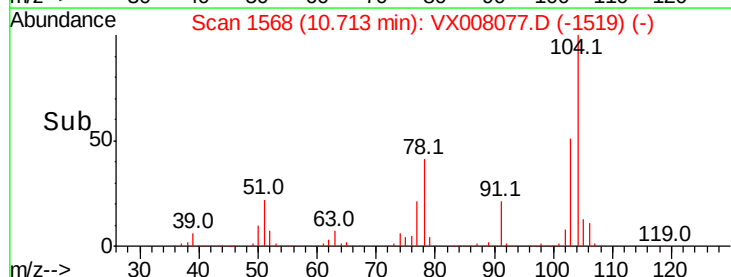
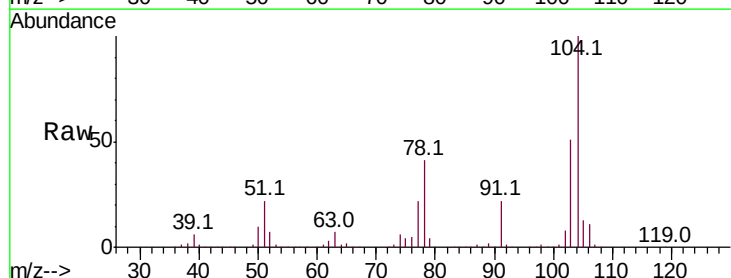
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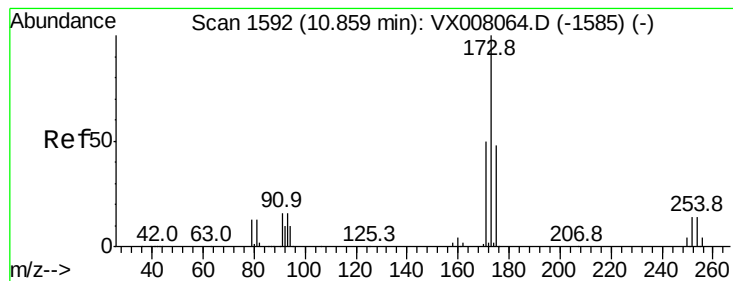


#70  
Styrene  
Concen: 51.402 ug/l  
RT: 10.71 min Scan# 1568  
Delta R.T. -0.00 min  
Lab File: VX008077.D  
Acq: 14 Mar 2019 18:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 47.1  | 38.5  | 57.7  |
| 103     | 55.5  | 44.1  | 66.1  |







#71

Bromoform

Concen: 49.506 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.01 min

Lab File: VX008077.D

Acq: 14 Mar 2019 18:13

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 113857

Ion Ratio Lower Upper

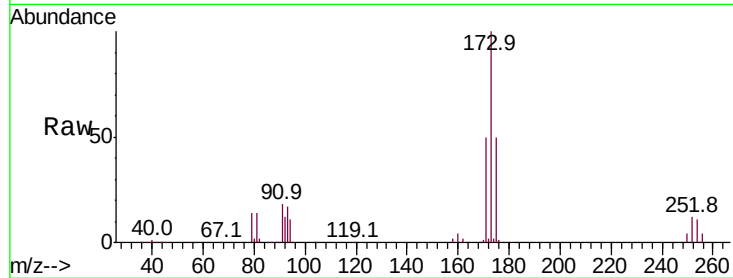
173 100

175 48.8 24.3 72.9

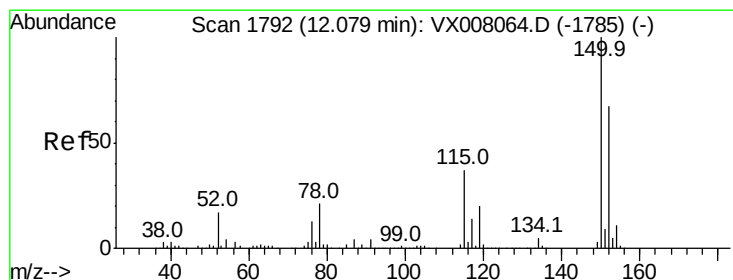
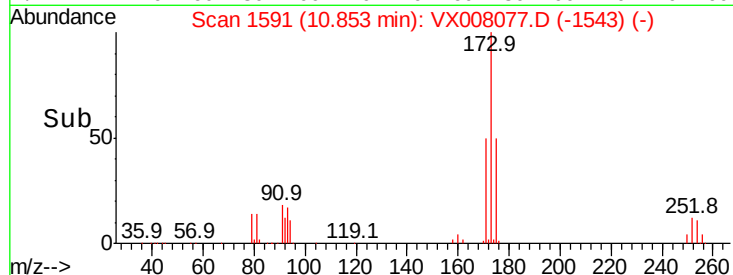
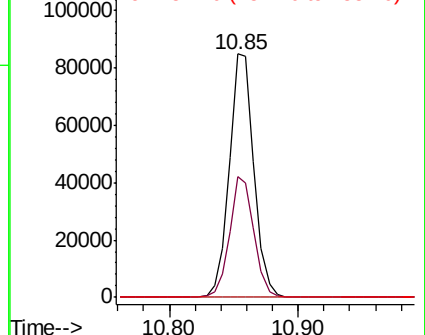
254 0.2 0.1 0.1#

Manual Integrations  
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Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008077.D

Acq: 14 Mar 2019 18:13

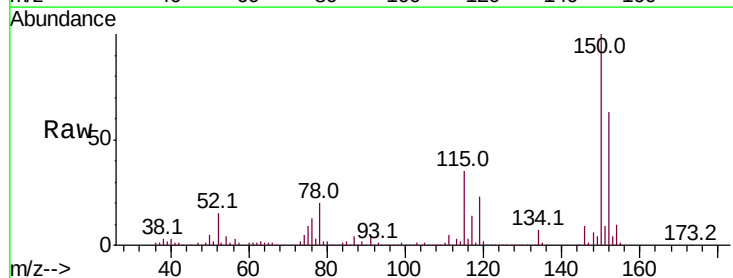
Tgt Ion:152 Resp: 201516

Ion Ratio Lower Upper

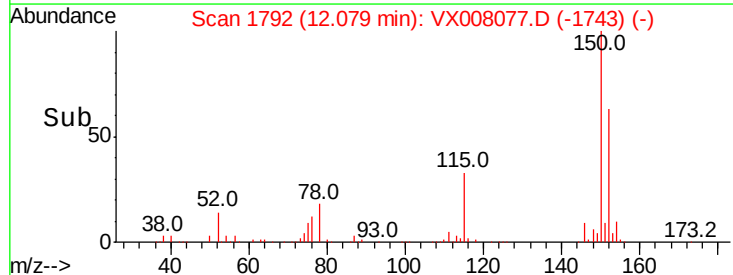
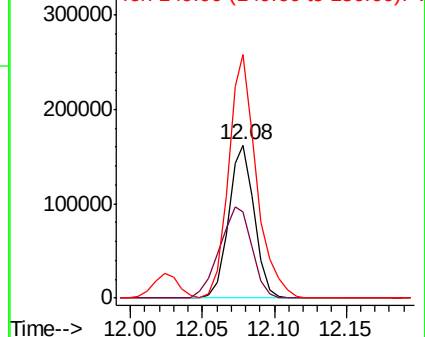
152 100

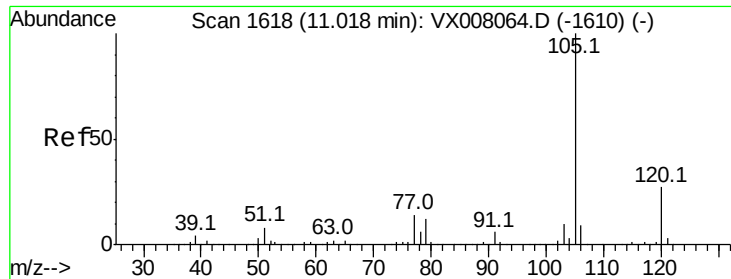
115 75.6 38.6 115.7

150 172.7 0.0 348.4



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V





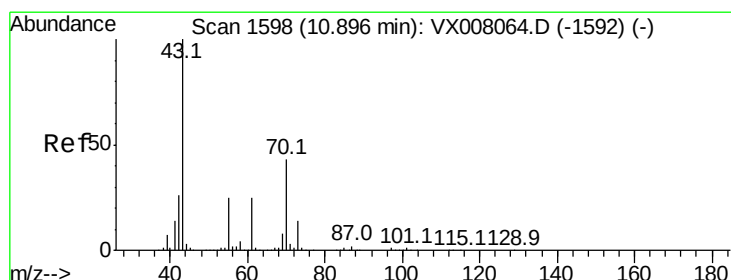
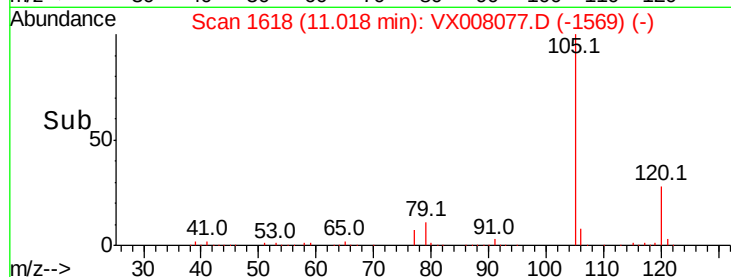
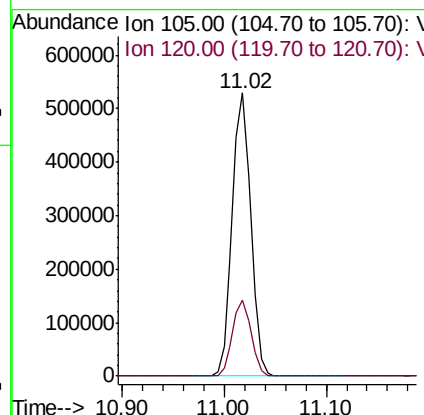
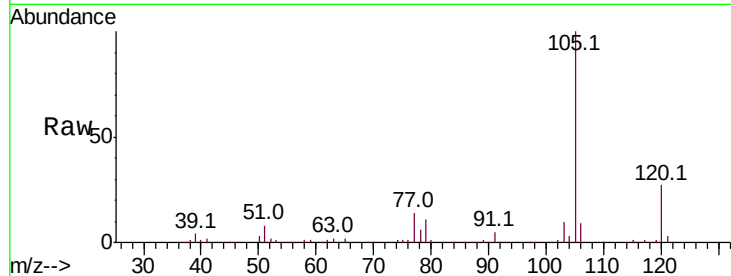
#73  
Isopropylbenzene  
Concen: 51.597 ug/l  
RT: 11.02 min Scan# 1618  
Delta R.T. -0.00 min  
Lab File: VX008077.D  
Acq: 14 Mar 2019 18:13

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tot Ion:105 Resp: 665959  
Ion Ratio Lower Upper  
105 100  
120 26.9 13.4 40.1

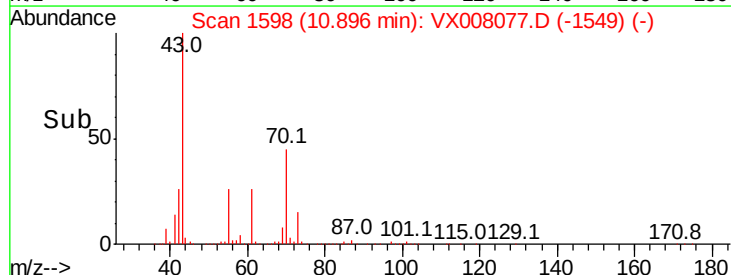
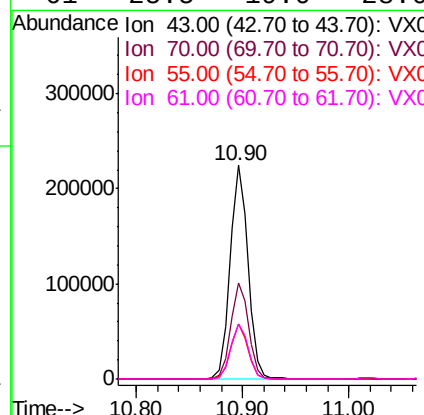
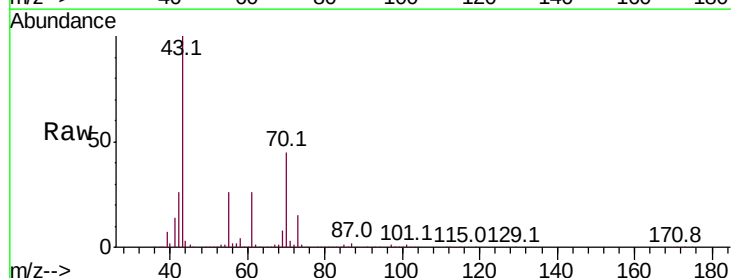
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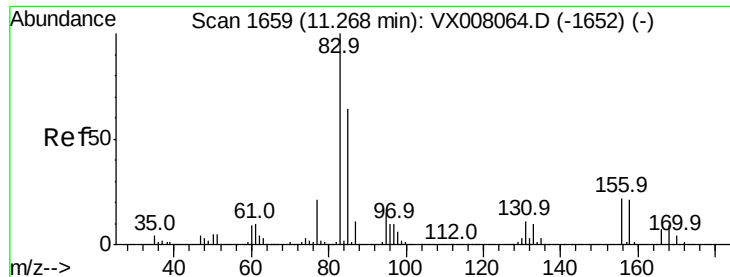
MMDadoda  
3/15/2019 9:06:19 AM



#74  
N-ethyl acetate  
Concen: 48.655 ug/l  
RT: 10.90 min Scan# 1598  
Delta R.T. -0.00 min  
Lab File: VX008077.D  
Acq: 14 Mar 2019 18:13

Tgt Ion: 43 Resp: 264906  
Ion Ratio Lower Upper  
43 100  
70 44.9 33.5 50.3  
55 25.0 19.2 28.8  
61 25.5 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 47.571 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008077.D

Acq: 14 Mar 2019 18:13

Instrument :

MSVOA\_X

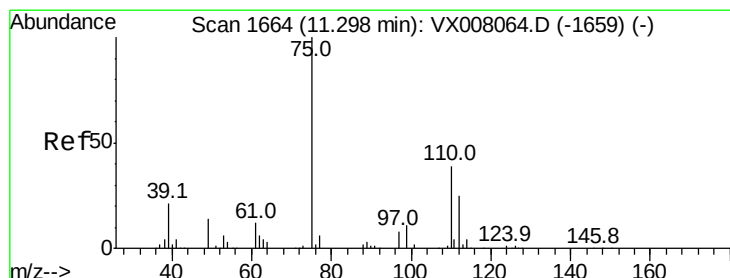
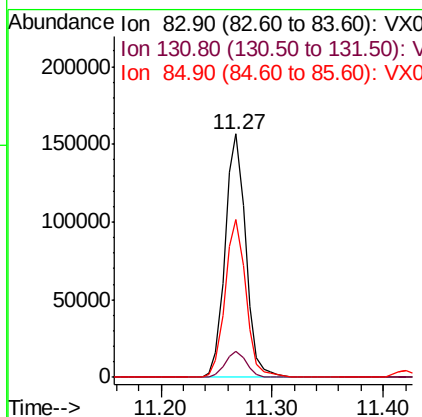
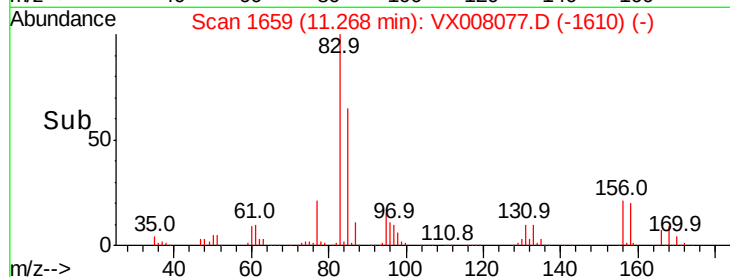
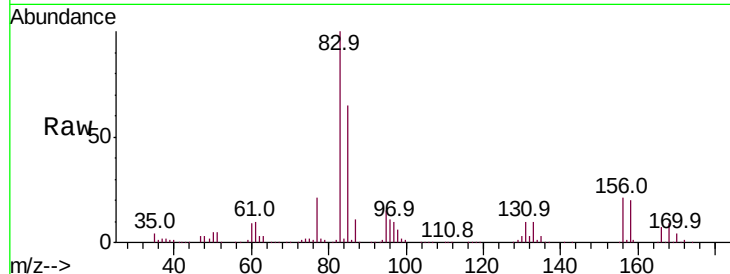
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 201180 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.8  | 5.4   | 16.2   |
| 85        | 65.2  | 32.3  | 96.8   |

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3/15/2019 9:06:19 AM



#76

1,2,3-Trichloropropane

Concen: 55.902 ug/l m

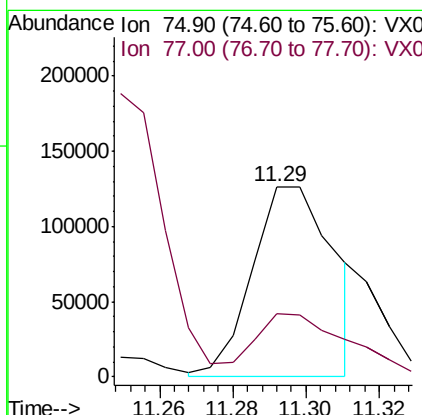
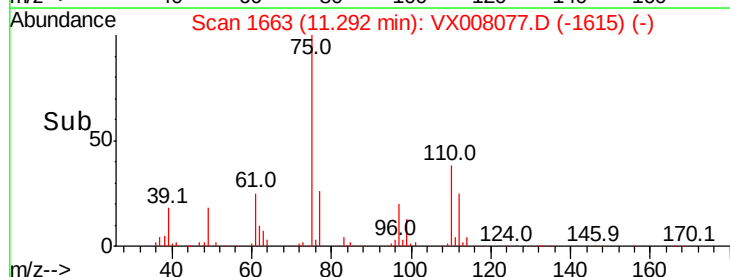
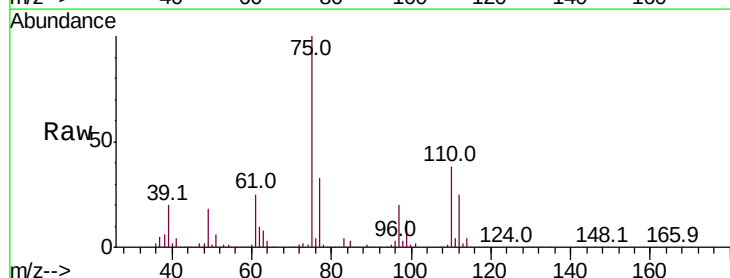
RT: 11.29 min Scan# 1663

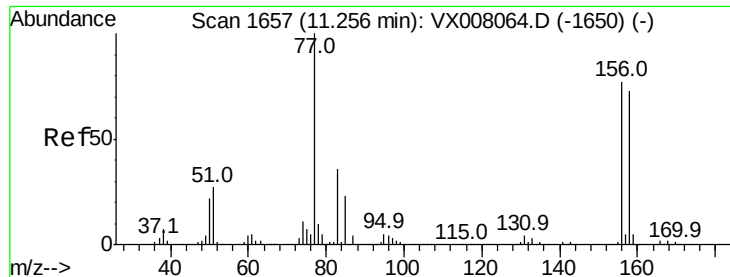
Delta R.T. -0.01 min

Lab File: VX008077.D

Acq: 14 Mar 2019 18:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 195644 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 39.2  | 18.9  | 56.7   |





#77

Bromobenzene

Concen: 49.975 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008077.D

Acq: 14 Mar 2019 18:13

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 176058

Ion Ratio Lower Upper

156 100

77 138.5 72.0 215.9

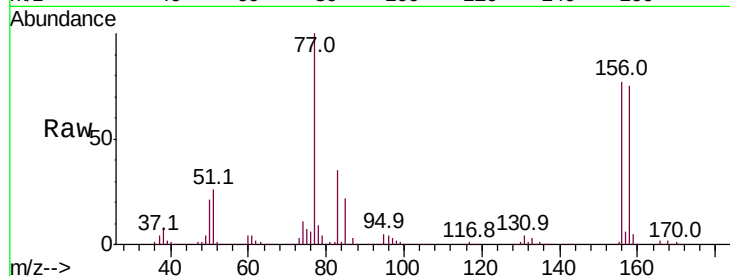
158 96.9 48.6 145.9

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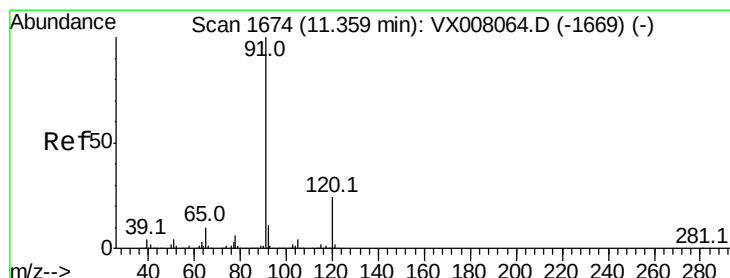
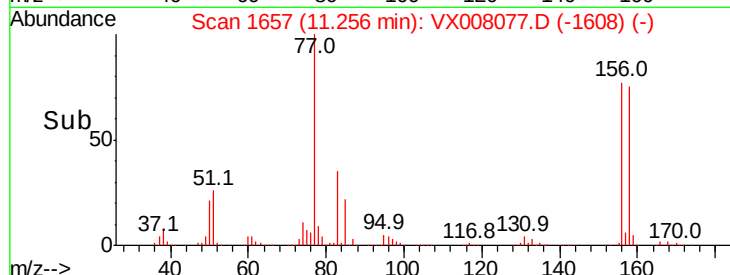
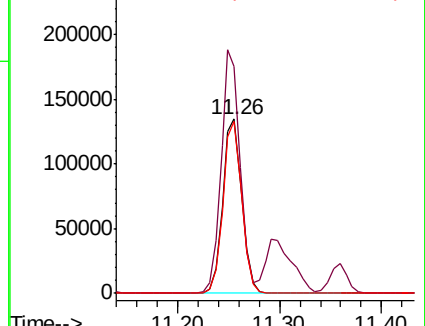
3/15/2019 9:06:19 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.220 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008077.D

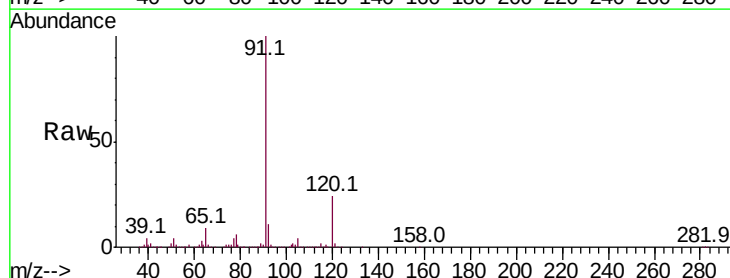
Acq: 14 Mar 2019 18:13

Tgt Ion: 91 Resp: 739455

Ion Ratio Lower Upper

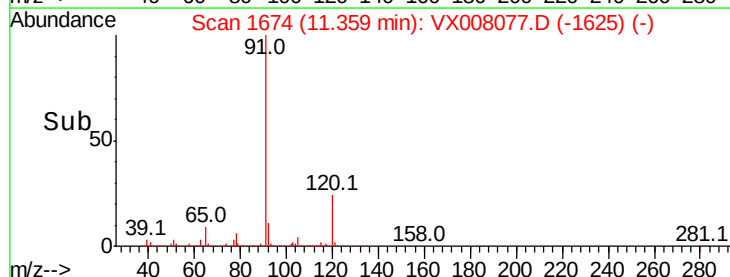
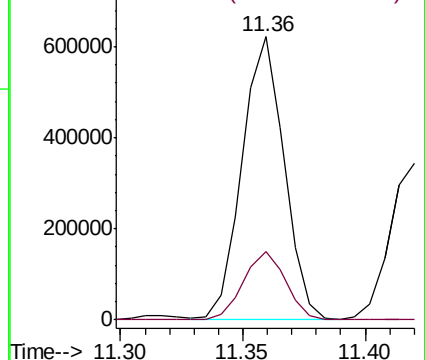
91 100

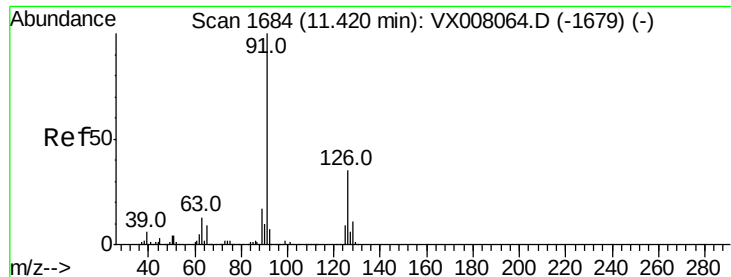
120 24.6 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.993 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008077.D

Acq: 14 Mar 2019 18:13

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 432333

Ion Ratio Lower Upper

91 100

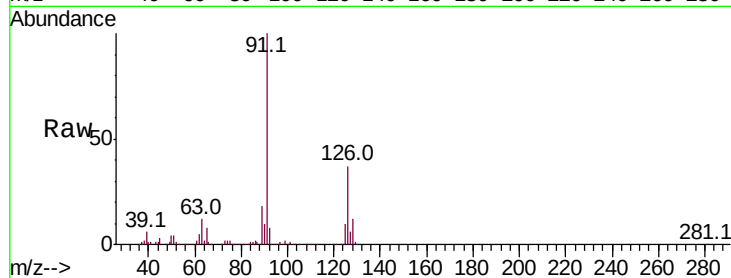
126 36.1 17.5 52.6

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Abundance Ion 91.00 (90.70 to 91.70): VX008064.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX008064.D (-1679) (-)

600000

400000

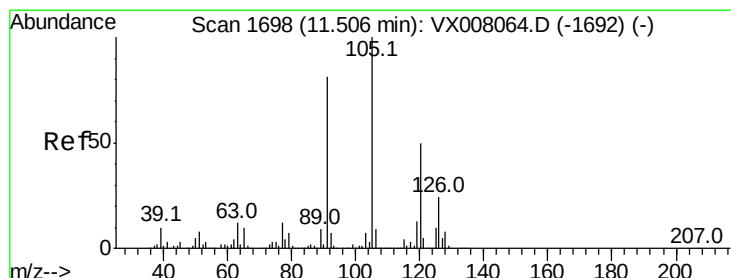
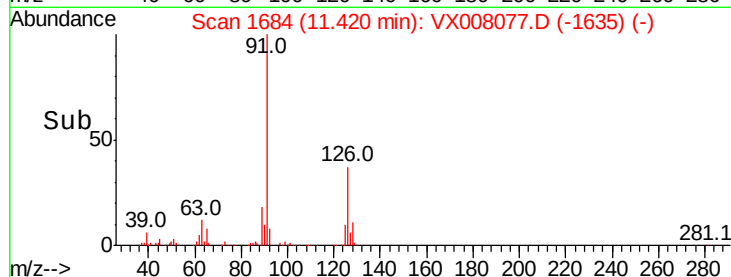
200000

0

11.42

11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.921 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008077.D

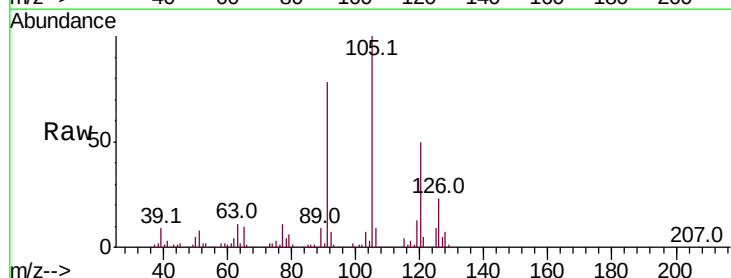
Acq: 14 Mar 2019 18:13

Tgt Ion: 105 Resp: 552210

Ion Ratio Lower Upper

105 100

120 49.8 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VX008064.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX008064.D (-1692) (-)

500000

400000

300000

200000

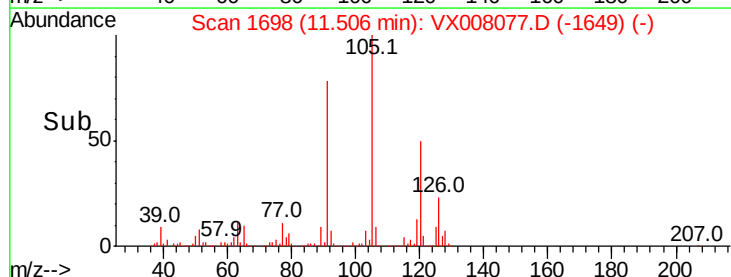
100000

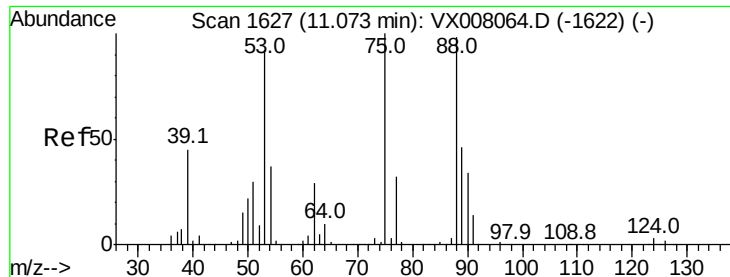
0

11.51

11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 50.067 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX008077.D

Acq: 14 Mar 2019 18:13

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 61575

Ion Ratio Lower Upper

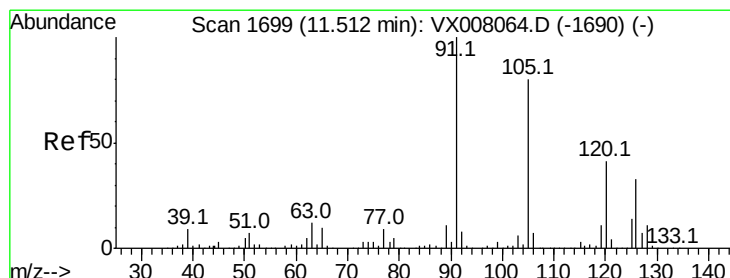
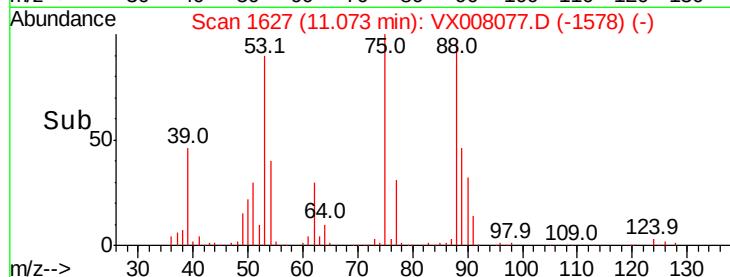
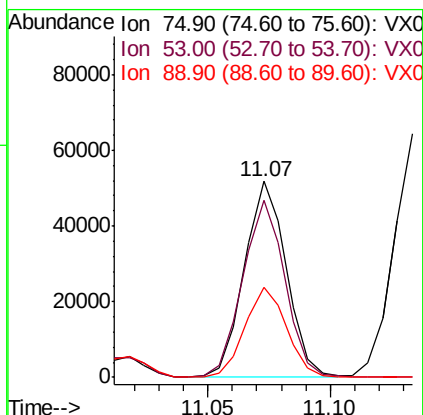
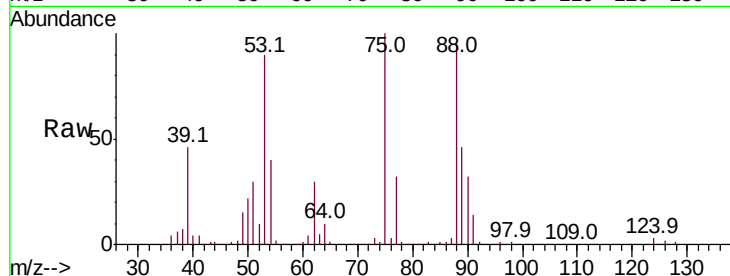
75 100

53 92.1 76.1 114.1

89 45.9 36.3 54.5

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#82

4-Chlorotoluene

Concen: 50.490 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX008077.D

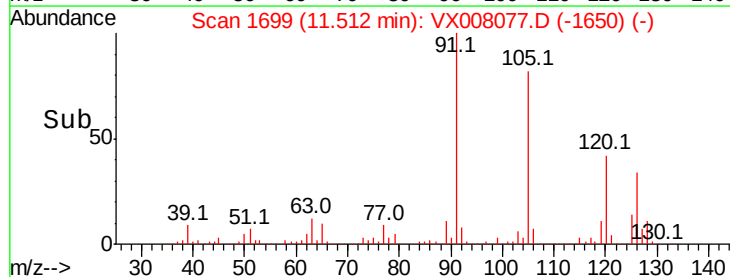
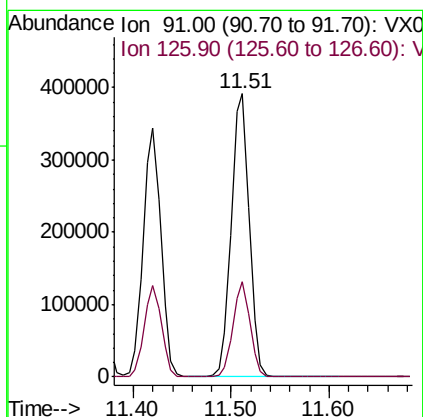
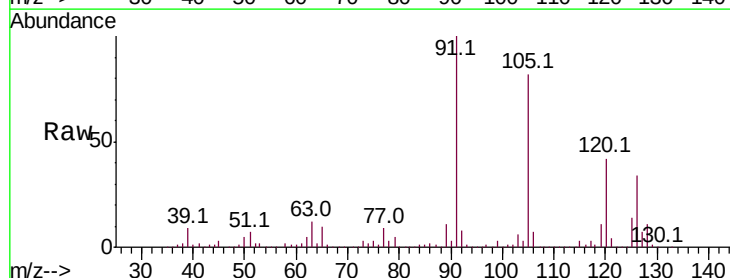
Acq: 14 Mar 2019 18:13

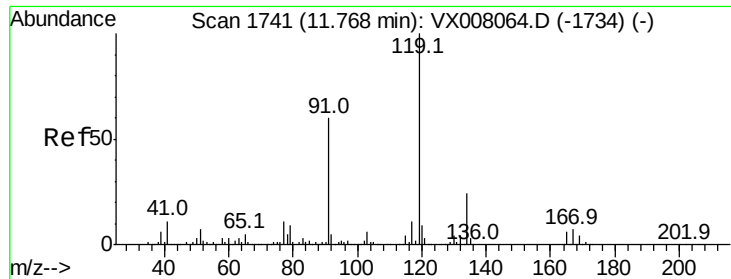
Tgt Ion: 91 Resp: 500076

Ion Ratio Lower Upper

91 100

126 32.0 15.6 46.8





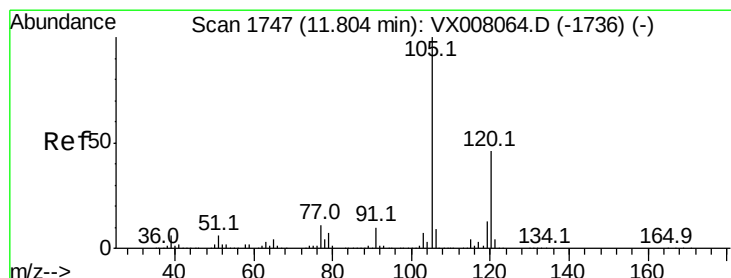
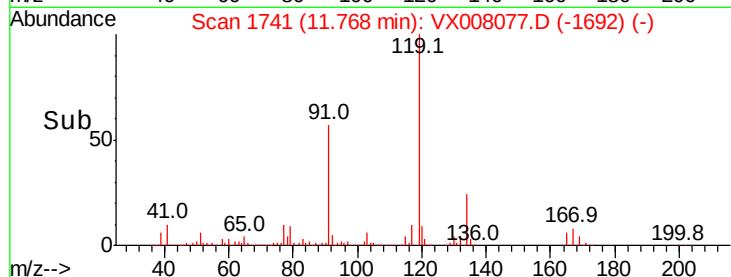
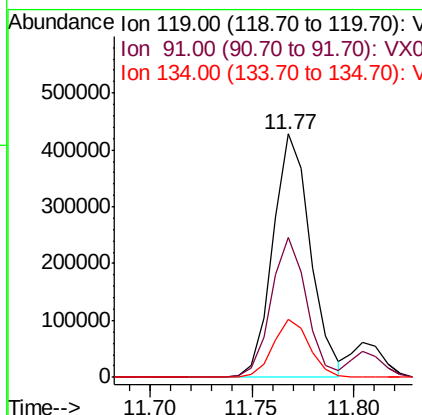
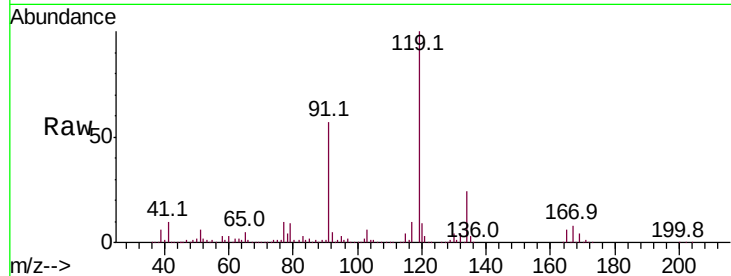
#83  
 tert-Butylbenzene  
 Concen: 51.418 ug/l  
 RT: 11.77 min Scan# 1741  
 Delta R.T. -0.00 min  
 Lab File: VX008077.D  
 Acq: 14 Mar 2019 18:13

Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 VSTDCCC050

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 119     | 100   |      |       |       |
| 91      | 54.5  | 27.1 | 81.3  |       |
| 134     | 23.1  | 11.4 | 34.1  |       |

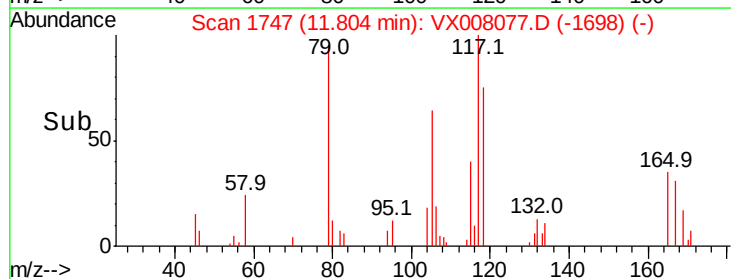
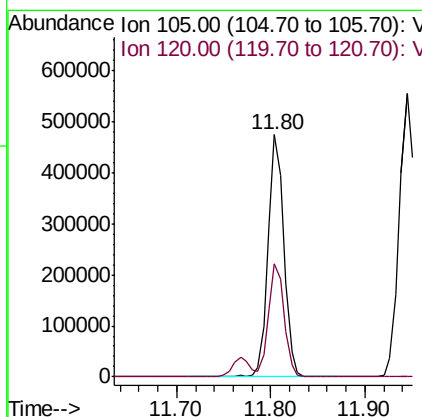
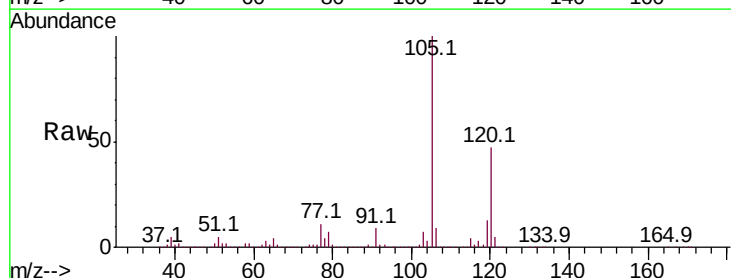
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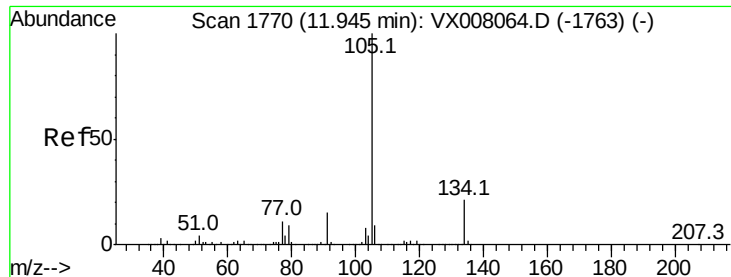
MMDadoda  
 3/15/2019 9:06:19 AM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 51.425 ug/l  
 RT: 11.80 min Scan# 1747  
 Delta R.T. -0.00 min  
 Lab File: VX008077.D  
 Acq: 14 Mar 2019 18:13

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 105     | 100   |      |       |       |
| 120     | 45.8  | 22.6 | 67.7  |       |





#85

sec-Butylbenzene

Concen: 52.591 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008077.D

Acq: 14 Mar 2019 18:13

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 667828

Ion Ratio Lower Upper

105 100

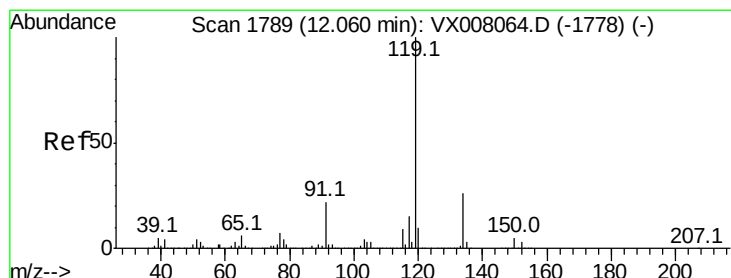
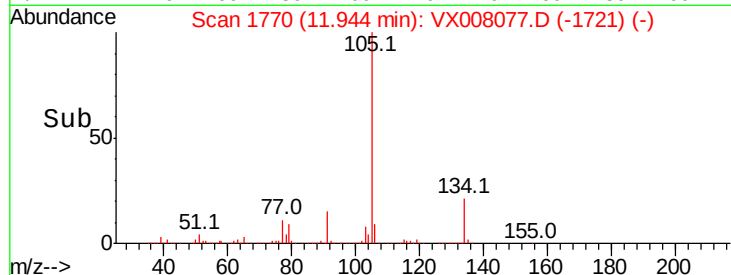
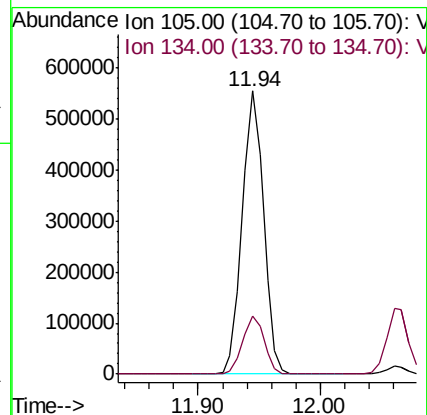
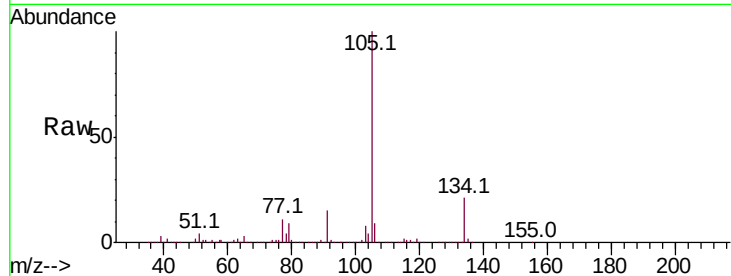
134 20.7 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 53.016 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008077.D

Acq: 14 Mar 2019 18:13

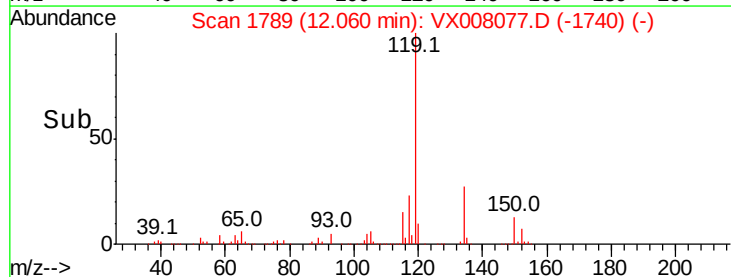
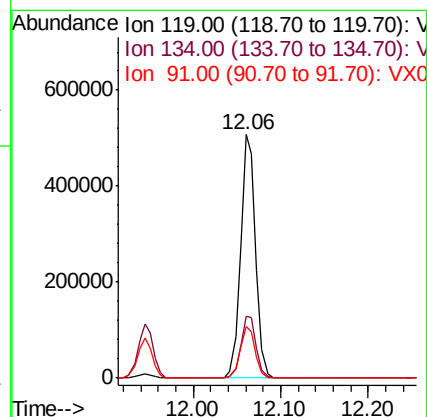
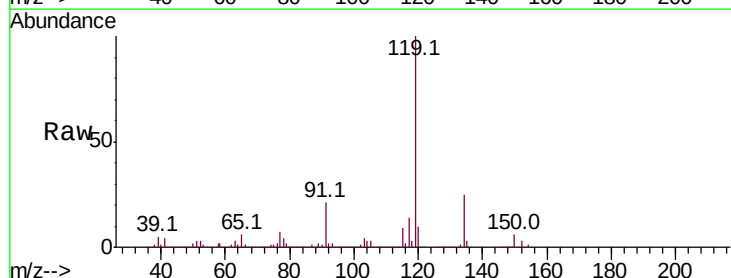
Tgt Ion:119 Resp: 608862

Ion Ratio Lower Upper

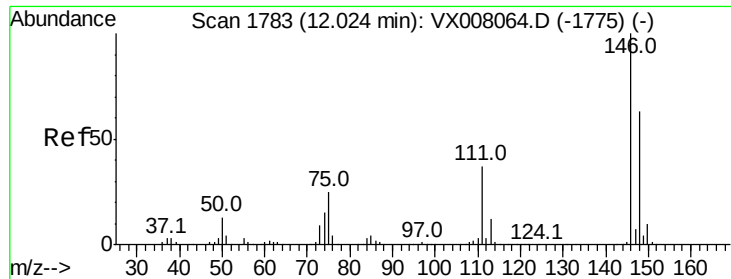
119 100

134 26.0 13.3 39.9

91 21.2 10.9 32.7







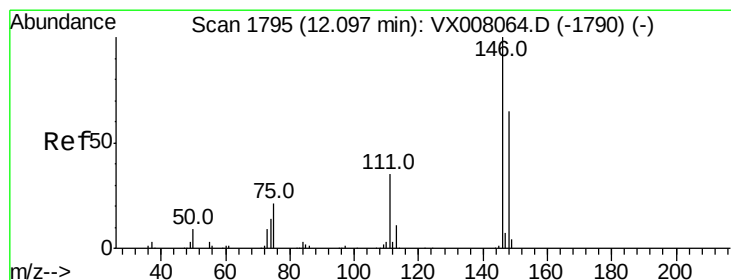
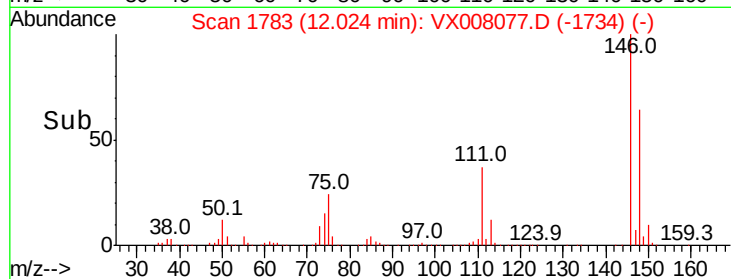
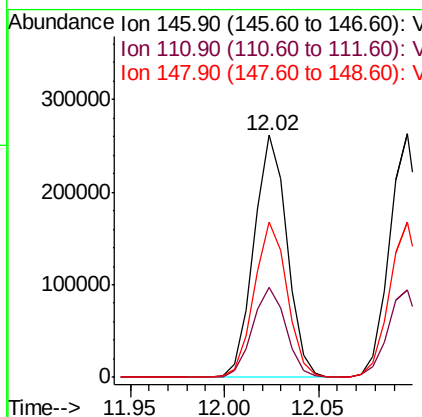
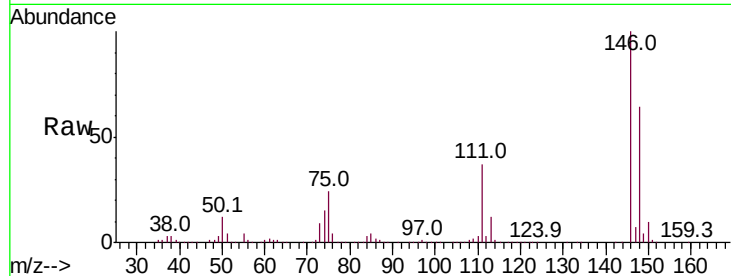
#87  
 1,3-Dichlorobenzene  
 Concen: 50.806 ug/l  
 RT: 12.02 min Scan# 1783  
 Delta R.T. -0.00 min  
 Lab File: VX008077.D  
 Acq: 14 Mar 2019 18:13

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.4  | 18.9  | 56.7  |
| 148     | 63.9  | 31.7  | 95.1  |

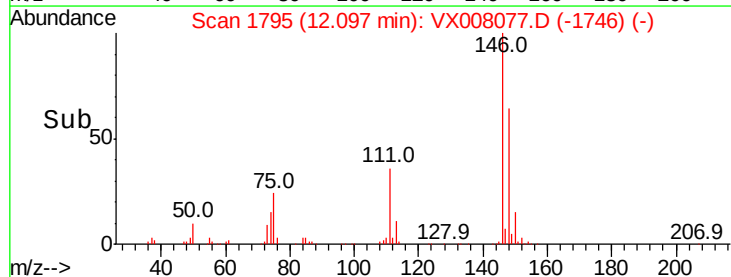
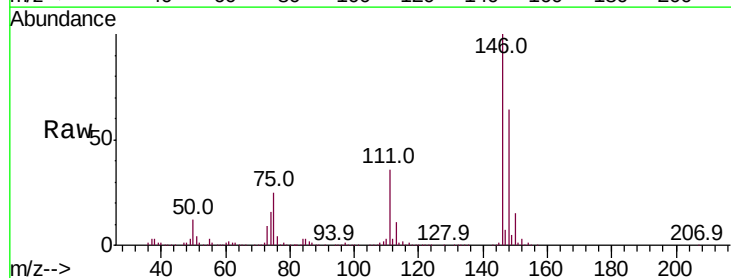
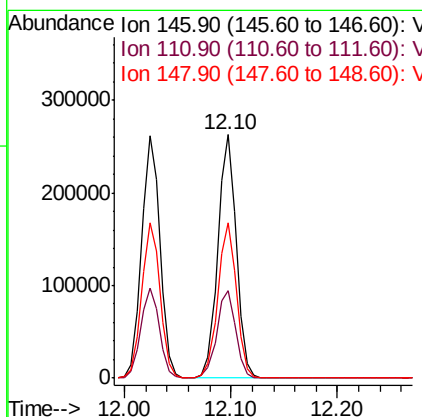
Manual Integrations  
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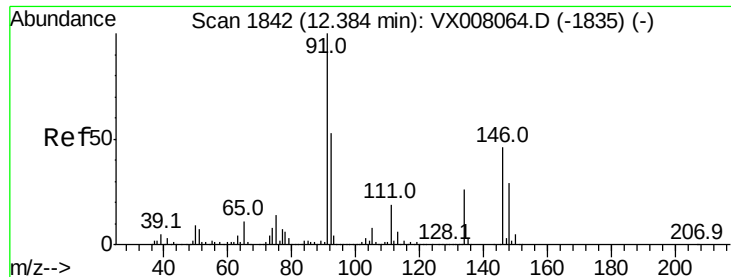
MMDadoda  
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#88  
 1,4-Dichlorobenzene  
 Concen: 49.663 ug/l  
 RT: 12.10 min Scan# 1795  
 Delta R.T. -0.00 min  
 Lab File: VX008077.D  
 Acq: 14 Mar 2019 18:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.6  | 18.4  | 55.0  |
| 148     | 64.3  | 32.2  | 96.6  |





#89

n-Butylbenzene

Concen: 53.331 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX008077.D

Acq: 14 Mar 2019 18:13

Instrument :

MSVOA\_X

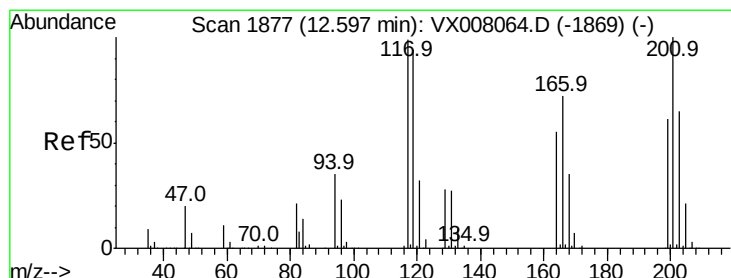
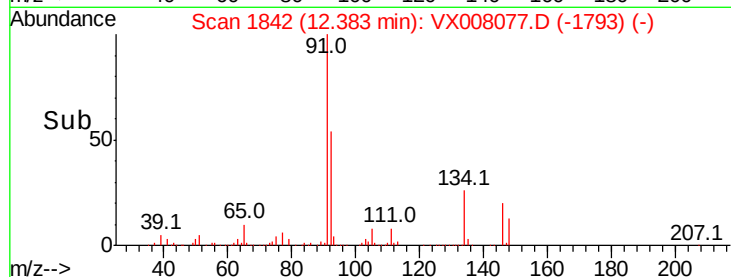
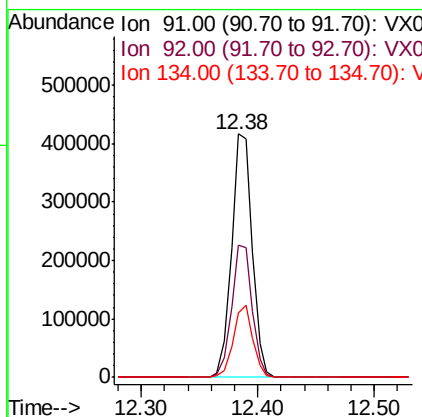
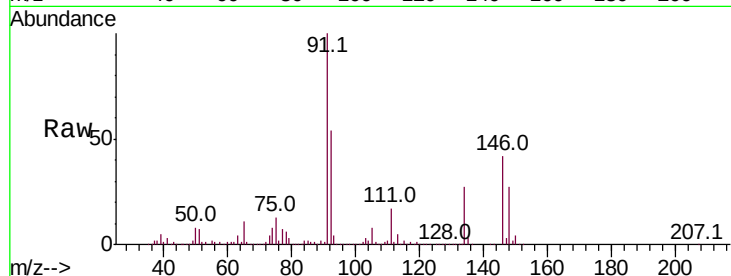
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 91    | Resp: | 512494 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 92       | 54.0  | 27.0  | 80.8   |
| 134      | 28.1  | 13.7  | 41.0   |

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#90

Hexachloroethane

Concen: 50.152 ug/l

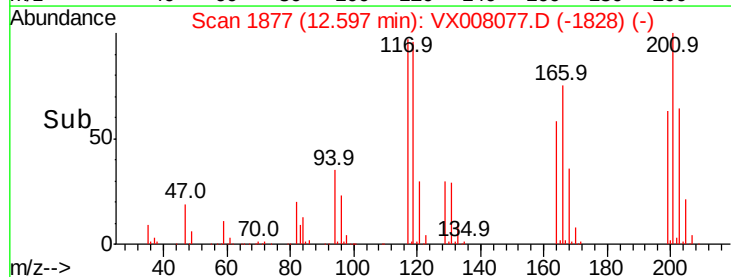
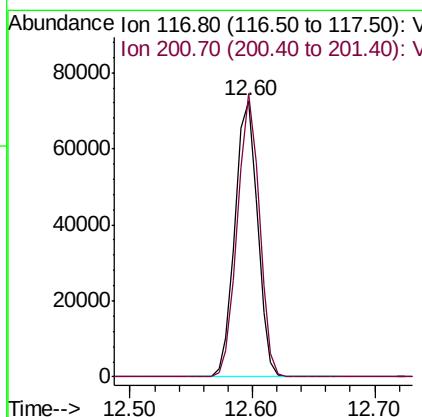
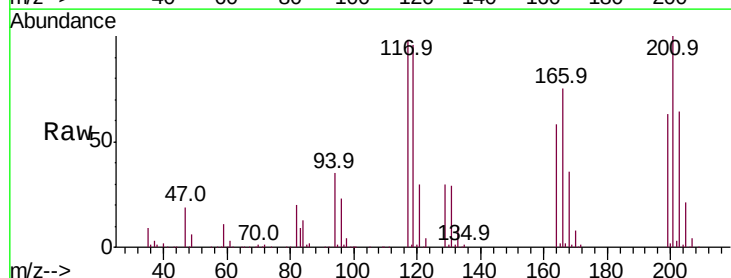
RT: 12.60 min Scan# 1877

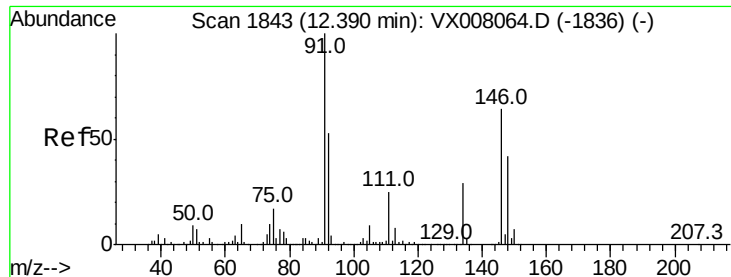
Delta R.T. -0.00 min

Lab File: VX008077.D

Acq: 14 Mar 2019 18:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 92179 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 201      | 99.3  | 48.9  | 146.7 |





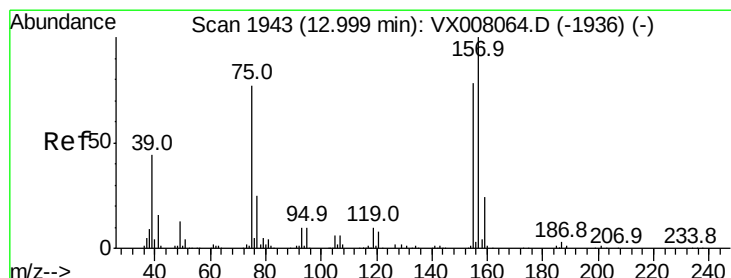
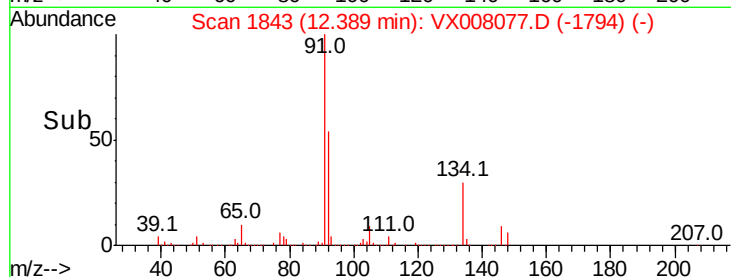
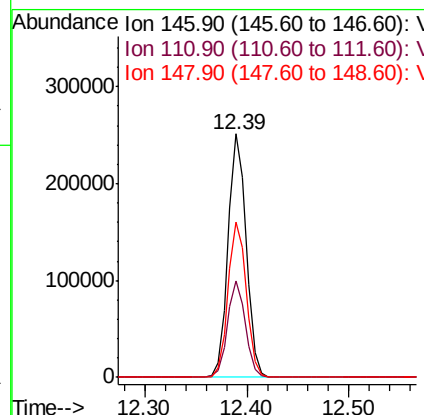
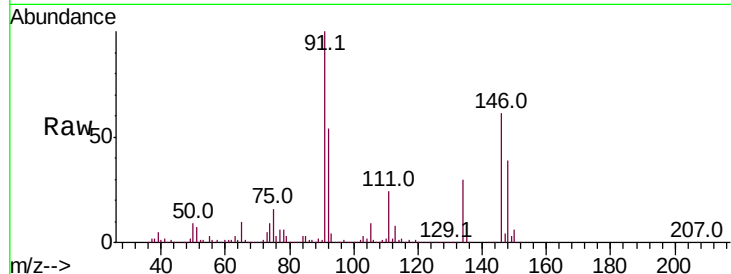
#91  
 1,2-Dichlorobenzene  
 Concen: 49.816 ug/l  
 RT: 12.39 min Scan# 1843  
 Delta R.T. -0.00 min  
 Lab File: VX008077.D  
 Acq: 14 Mar 2019 18:13

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.8  | 19.6  | 58.8  |
| 148     | 64.0  | 31.9  | 95.5  |

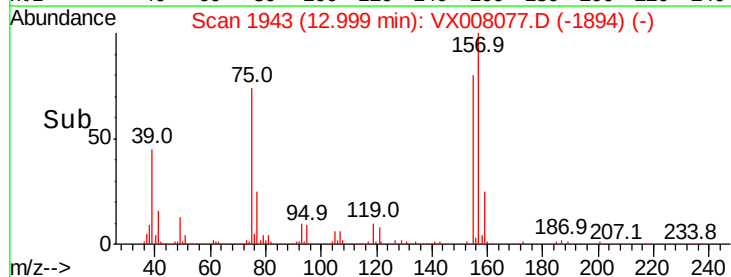
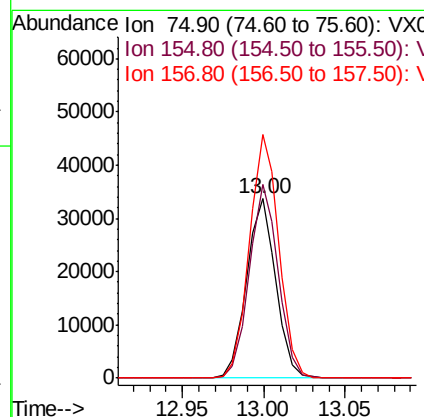
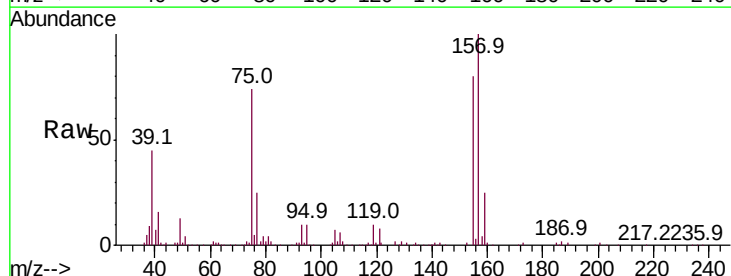
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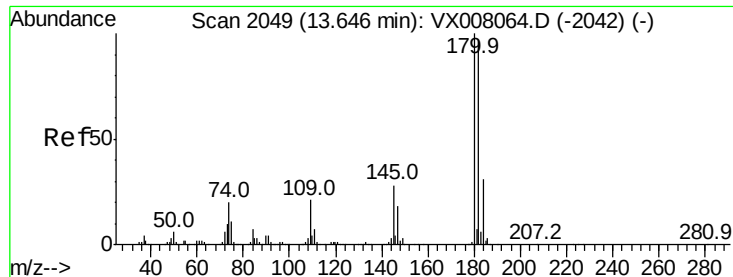
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 48.915 ug/l  
 RT: 13.00 min Scan# 1943  
 Delta R.T. -0.00 min  
 Lab File: VX008077.D  
 Acq: 14 Mar 2019 18:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 107.5 | 49.7  | 149.1 |
| 157     | 137.8 | 63.8  | 191.4 |





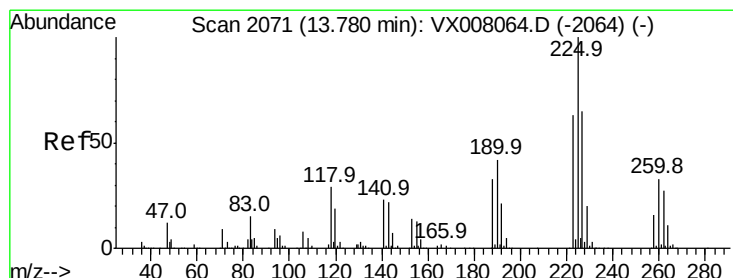
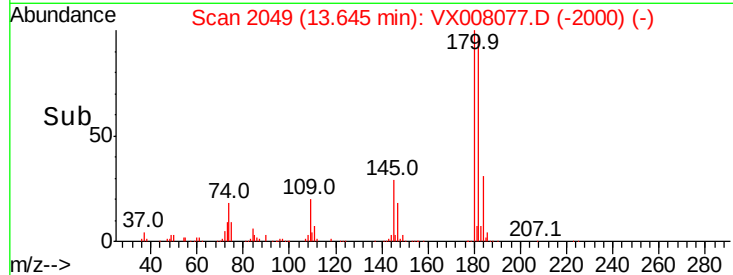
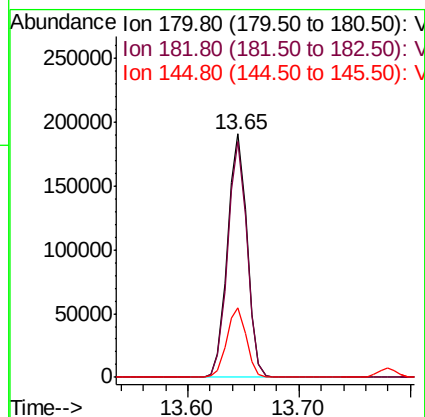
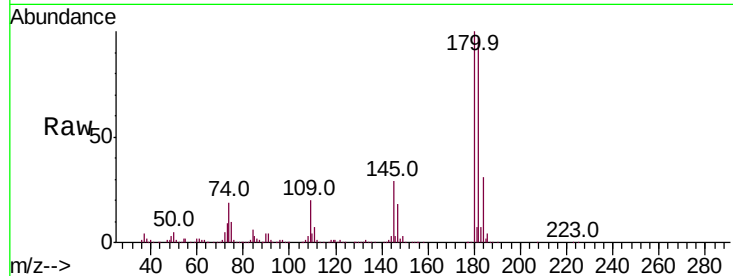
#93  
 1,2,4-Trichlorobenzene  
 Concen: 52.598 ug/l  
 RT: 13.65 min Scan# 2049  
 Delta R.T. -0.00 min  
 Lab File: VX008077.D  
 Acq: 14 Mar 2019 18:13

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 180   | Resp: | 231769 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.9  | 47.9  | 143.7  |
| 145       | 28.6  | 14.1  | 42.4   |

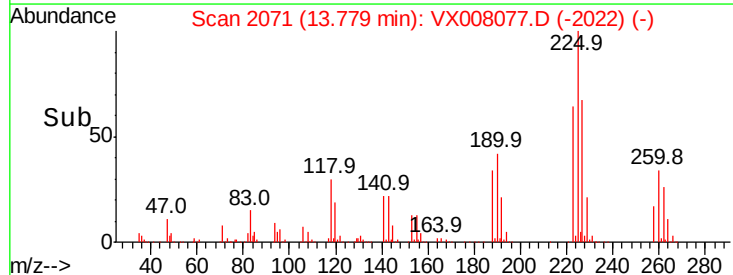
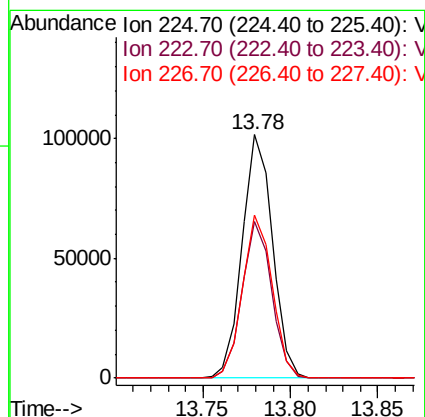
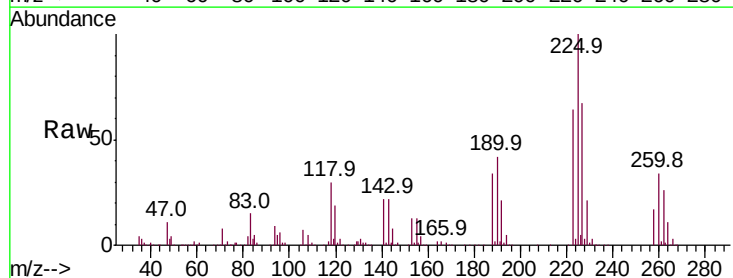
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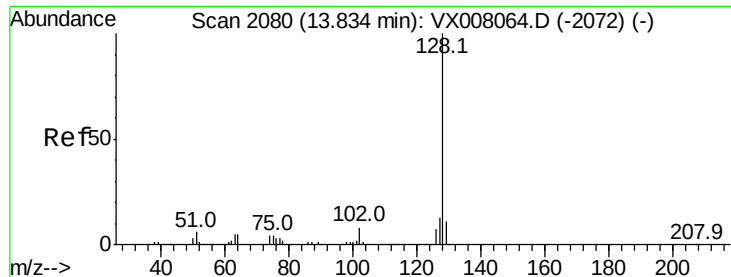
MMDadoda  
 3/15/2019 9:06:19 AM



#94  
 Hexachlorobutadiene  
 Concen: 51.158 ug/l  
 RT: 13.78 min Scan# 2071  
 Delta R.T. -0.00 min  
 Lab File: VX008077.D  
 Acq: 14 Mar 2019 18:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 225   | Resp: | 122476 |
| Ion Ratio | Lower | Upper |        |
| 225       | 100   |       |        |
| 223       | 62.7  | 31.1  | 93.2   |
| 227       | 65.9  | 32.0  | 96.0   |





#95

Naphthalene

Concen: 53.769 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008077.D

Acq: 14 Mar 2019 18:13

Instrument :

MSVOA\_X

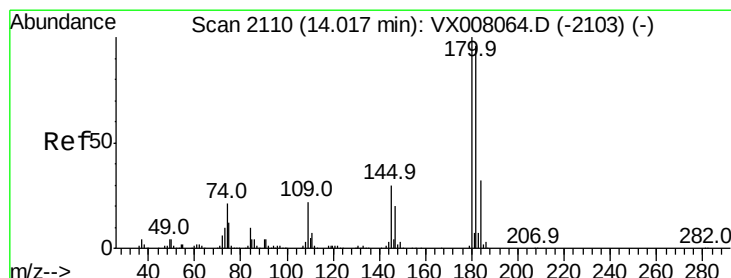
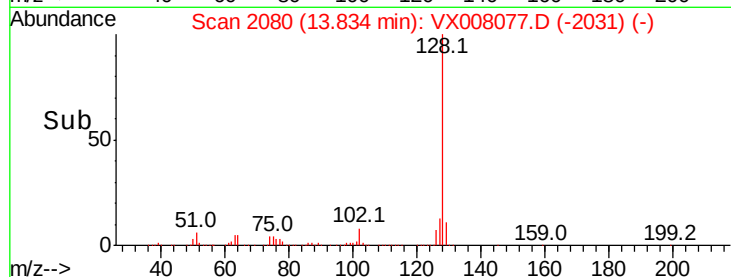
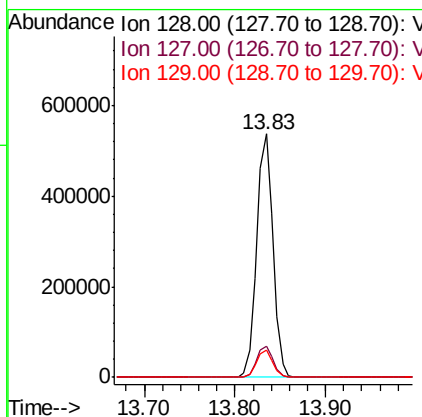
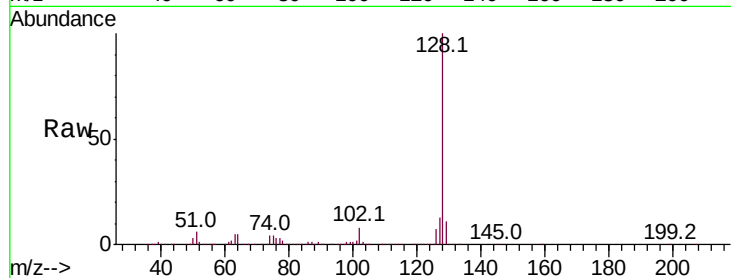
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 666209 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.9  | 10.3  | 15.5   |
| 129       | 11.2  | 8.7   | 13.1   |

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#96

1,2,3-Trichlorobenzene

Concen: 52.442 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX008077.D

Acq: 14 Mar 2019 18:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 227486 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 96.5  | 47.5  | 142.5  |
| 145       | 30.4  | 14.8  | 44.3   |

