

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040419\  
 Data File : VX008651.D  
 Acq On : 04 Apr 2019 21:33  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 4/5/2019 10:53:46 AM

Quant Time: Apr 05 08:53:42 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X040319W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 04 04:47:41 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.66  | 168  | 184029   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 311218   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 277399   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 128900   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.06   | 65  | 135504   | 50.48 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.96% |      |
| 35) Dibromofluoromethane  | 5.50   | 113 | 100171   | 50.34 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.68% |      |
| 50) Toluene-d8            | 8.71   | 98  | 403241   | 50.90 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.80% |      |
| 62) 4-Bromofluorobenzene  | 11.13  | 95  | 147118   | 52.36 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.72% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 92932   | 43.870  | ug/l | 98     |
| 3) Chloromethane              | 1.32 | 50  | 126213  | 48.568  | ug/l | 100    |
| 4) Vinyl Chloride             | 1.40 | 62  | 126293  | 44.103  | ug/l | 97     |
| 5) Bromomethane               | 1.64 | 94  | 55884   | 40.008  | ug/l | 100    |
| 6) Chloroethane               | 1.71 | 64  | 78411   | 50.147  | ug/l | 99     |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 142502  | 45.018  | ug/l | 99     |
| 8) Diethyl Ether              | 2.19 | 74  | 67917   | 45.244  | ug/l | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.38 | 101 | 90474   | 44.393  | ug/l | 99     |
| 10) Methyl Iodide             | 2.51 | 142 | 61818   | 34.641  | ug/l | 100    |
| 11) Tert butyl alcohol        | 3.05 | 59  | 154434  | 245.758 | ug/l | 100    |
| 12) 1,1-Dichloroethene        | 2.37 | 96  | 94095   | 44.227  | ug/l | 96     |
| 13) Acrolein                  | 2.29 | 56  | 52348   | 168.001 | ug/l | 99     |
| 14) Allyl chloride            | 2.73 | 41  | 221659  | 45.511  | ug/l | 99     |
| 15) Acrylonitrile             | 3.14 | 53  | 383357  | 230.281 | ug/l | 99     |
| 16) Acetone                   | 2.45 | 43  | 326446  | 211.155 | ug/l | 100    |
| 17) Carbon Disulfide          | 2.57 | 76  | 279152  | 45.368  | ug/l | 99     |
| 18) Methyl Acetate            | 2.78 | 43  | 168719  | 44.998  | ug/l | 100    |
| 19) Methyl tert-butyl Ether   | 3.20 | 73  | 361758  | 47.613  | ug/l | 99     |
| 20) Methylene Chloride        | 2.85 | 84  | 114998  | 44.438  | ug/l | 99     |
| 21) trans-1,2-Dichloroethene  | 3.16 | 96  | 101248  | 43.996  | ug/l | 97     |
| 22) Diisopropyl ether         | 3.85 | 45  | 431933  | 46.012  | ug/l | 92     |
| 23) Vinyl Acetate             | 3.81 | 43  | 1930110 | 236.348 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 3.70 | 63  | 212465  | 45.713  | ug/l | 99     |
| 25) 2-Butanone                | 4.67 | 43  | 565008  | 231.229 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 4.59 | 77  | 138663  | 42.359  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 4.59 | 96  | 118332  | 44.724  | ug/l | 98     |
| 28) Bromochloromethane        | 5.01 | 49  | 107233  | 55.570  | ug/l | 100    |
| 29) Tetrahydrofuran           | 5.13 | 42  | 370362  | 228.364 | ug/l | 100    |
| 30) Chloroform                | 5.21 | 83  | 189527  | 45.656  | ug/l | 99     |
| 31) Cyclohexane               | 5.58 | 56  | 200974  | 43.335  | ug/l | 99     |
| 32) 1,1,1-Trichloroethane     | 5.49 | 97  | 155746  | 46.427  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 5.80 | 75  | 146683  | 43.118  | ug/l | 99     |
| 37) Ethyl Acetate             | 4.84 | 43  | 211500  | 46.577  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 5.79 | 117 | 127794  | 45.387  | ug/l | 98     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 4/5/2019 10:53:46 AM

Quant Time: Apr 05 08:53:42 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X040319W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 04 04:47:41 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 178470   | 42.468  | ug/l   | 99       |
| 40) Benzene                    | 6.14  | 78   | 455707   | 44.965  | ug/l   | 99       |
| 41) Methacrylonitrile          | 5.04  | 41   | 119912   | 45.941  | ug/l   | 100      |
| 42) 1,2-Dichloroethane         | 6.20  | 62   | 162593   | 44.751  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 6.45  | 43   | 335508   | 47.167  | ug/l   | 100      |
| 44) Trichloroethene            | 7.21  | 130  | 104641   | 44.331  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 7.51  | 63   | 130200   | 45.010  | ug/l   | 98       |
| 46) Dibromomethane             | 7.66  | 93   | 74201    | 44.227  | ug/l   | 99       |
| 47) Bromodichloromethane       | 7.90  | 83   | 146358   | 46.267  | ug/l   | 99       |
| 48) Methyl methacrylate        | 7.77  | 41   | 170744   | 47.452  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 7.74  | 88   | 63967    | 948.990 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone       | 8.64  | 43   | 1111815  | 242.804 | ug/l   | 100      |
| 52) Toluene                    | 8.79  | 92   | 274330   | 45.913  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 168642   | 47.592  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 187408   | 46.286  | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 112079   | 46.731  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 9.18  | 69   | 211800   | 48.808  | ug/l   | 100      |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 198319   | 46.049  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 8.31  | 63   | 554058   | 250.048 | ug/l   | 99       |
| 59) 2-Hexanone                 | 9.49  | 43   | 850827   | 239.090 | ug/l   | 99       |
| 60) Dibromochloromethane       | 9.58  | 129  | 108663   | 48.080  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 114445   | 45.836  | ug/l   | 98       |
| 64) Tetrachloroethene          | 9.34  | 164  | 90035    | 43.808  | ug/l   | 96       |
| 65) Chlorobenzene              | 10.14 | 112  | 278833   | 45.346  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 10.22 | 131  | 99490    | 46.120  | ug/l   | 99       |
| 67) Ethyl Benzene              | 10.25 | 91   | 522805   | 45.596  | ug/l   | 99       |
| 68) m/p-Xylenes                | 10.36 | 106  | 377384   | 91.539  | ug/l   | 100      |
| 69) o-Xylene                   | 10.69 | 106  | 183830   | 46.011  | ug/l   | 100      |
| 70) Styrene                    | 10.71 | 104  | 327066   | 47.491  | ug/l   | 99       |
| 71) Bromoform                  | 10.85 | 173  | 80250    | 48.708  | ug/l # | 99       |
| 73) Isopropylbenzene           | 11.02 | 105  | 486075   | 45.503  | ug/l   | 99       |
| 74) N-amyl acetate             | 10.90 | 43   | 300740   | 47.851  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 185436   | 45.644  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 11.29 | 75   | 161645m  | 45.649  | ug/l   |          |
| 77) Bromobenzene               | 11.26 | 156  | 118978   | 46.330  | ug/l   | 99       |
| 78) n-propylbenzene            | 11.36 | 91   | 565806   | 45.489  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 339627   | 45.121  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 415730   | 46.363  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 61017    | 47.500  | ug/l   | 99       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 391197   | 44.899  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 11.77 | 119  | 394586   | 45.739  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 415987   | 45.816  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 11.94 | 105  | 467996   | 45.671  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 420802   | 45.753  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 207259   | 45.082  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 208641   | 44.817  | ug/l   | 99       |
| 89) n-Butylbenzene             | 12.38 | 91   | 390778   | 45.306  | ug/l   | 99       |
| 90) Hexachloroethane           | 12.60 | 117  | 71252    | 46.709  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 208981   | 45.783  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75   | 40650    | 45.485  | ug/l   | 98       |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

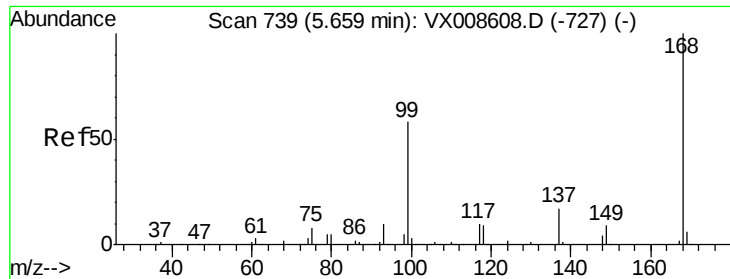
MMDadoda  
4/5/2019 10:53:46 AM

Quant Time: Apr 05 08:53:42 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X040319W.M  
Quant Title : SW846 8260  
QLast Update : Thu Apr 04 04:47:41 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180  | 144797   | 45.623 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.78 | 225  | 69748    | 45.824 | ug/l  | 99       |
| 95) Naphthalene            | 13.83 | 128  | 494877   | 46.654 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 144508   | 45.572 | ug/l  | 99       |

(#) = 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. 0.00 min

Lab File: VX008651.D

Acq: 04 Apr 2019 21:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 184029

Ion Ratio Lower Upper

168 100

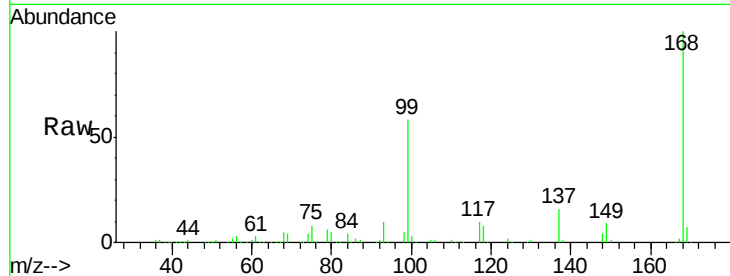
99 57.4 46.7 70.1

Manual Integrations

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4/5/2019 10:53:46 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

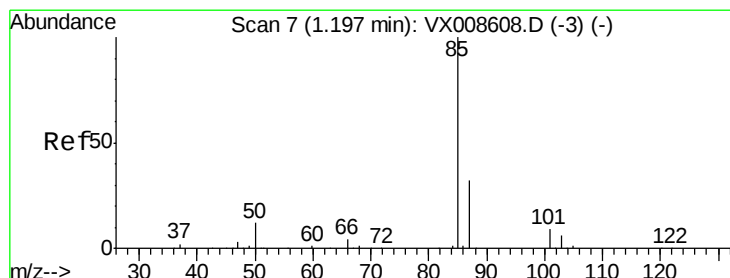
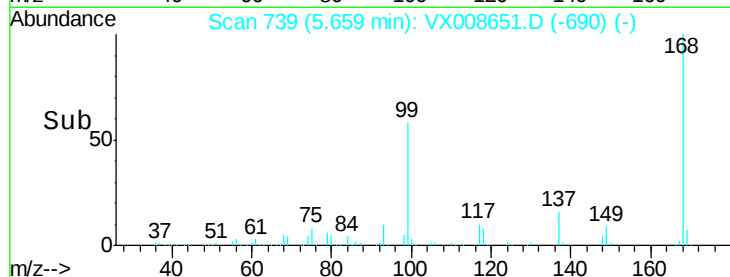
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 43.870 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX008651.D

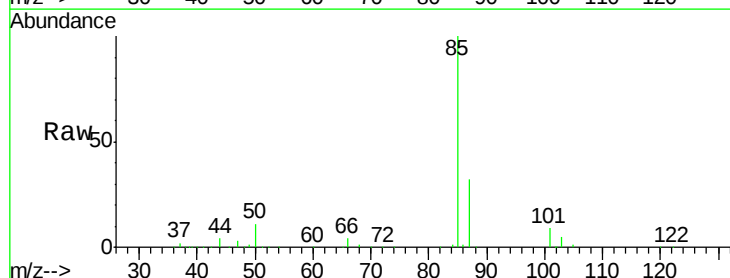
Acq: 04 Apr 2019 21:33

Tgt Ion: 85 Resp: 92932

Ion Ratio Lower Upper

85 100

87 32.4 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100000

80000

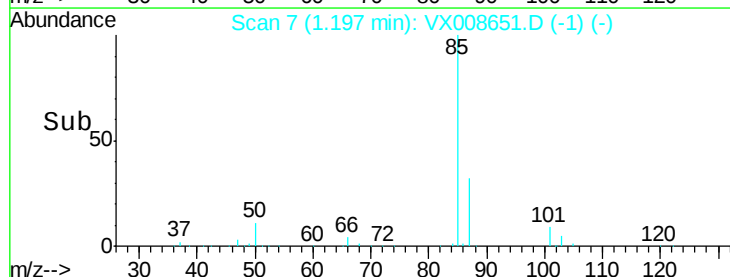
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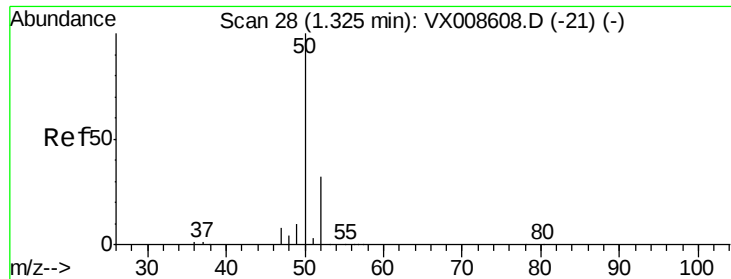
40000

20000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 48.568 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008651.D

Acq: 04 Apr 2019 21:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 126213

Ion Ratio Lower Upper

50 100

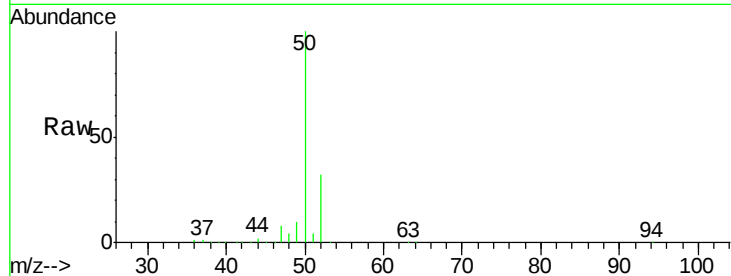
52 32.3 25.8 38.8

Manual Integrations

APPROVED

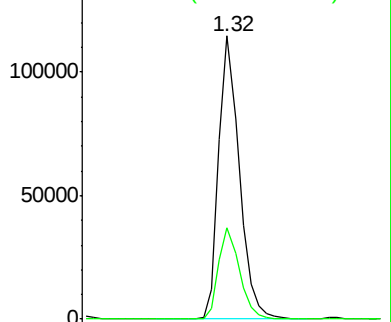
MMDadoda

4/5/2019 10:53:46 AM

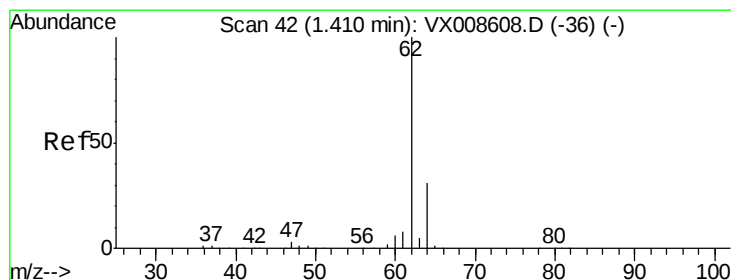
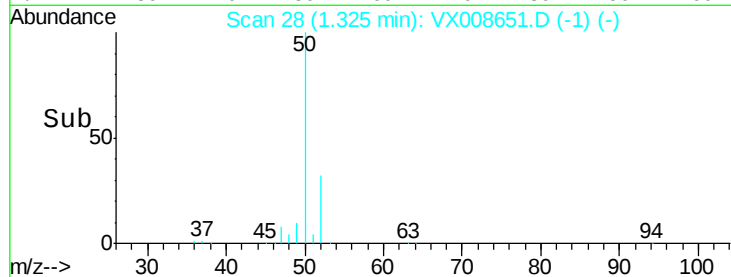


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#4

Vinyl Chloride

Concen: 44.103 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX008651.D

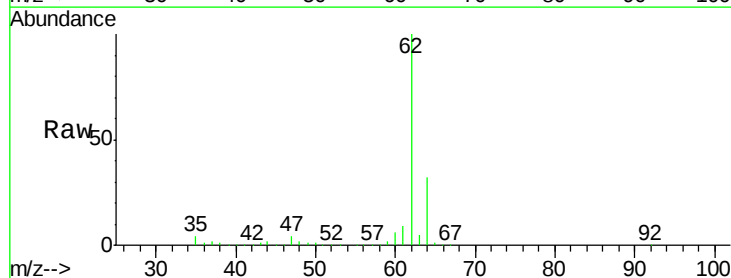
Acq: 04 Apr 2019 21:33

Tgt Ion: 62 Resp: 126293

Ion Ratio Lower Upper

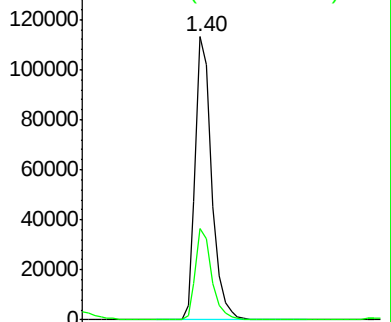
62 100

64 32.3 24.7 37.1

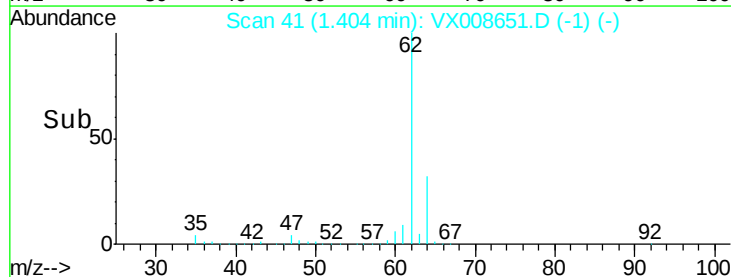


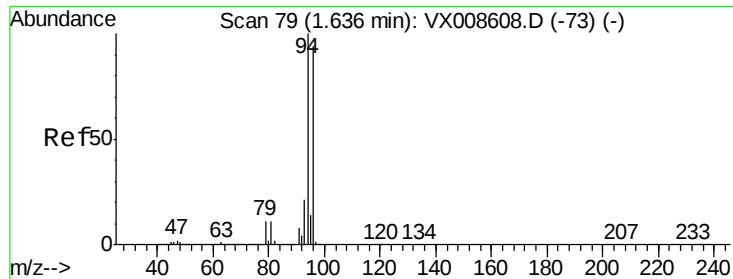
Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->





#5

Bromomethane

Concen: 40.008 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008651.D

Acq: 04 Apr 2019 21:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 55884

Ion Ratio Lower Upper

94 100

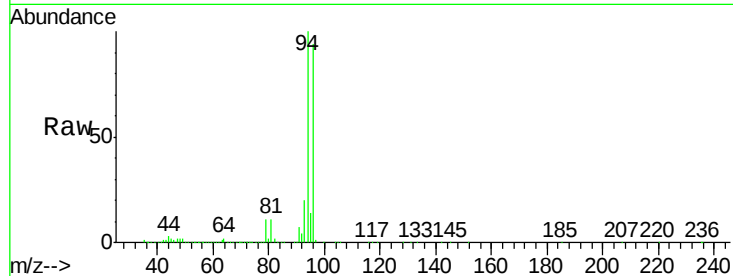
96 94.2 75.2 112.8

Manual Integrations

APPROVED

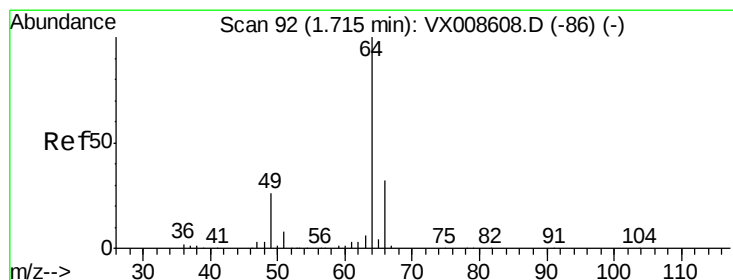
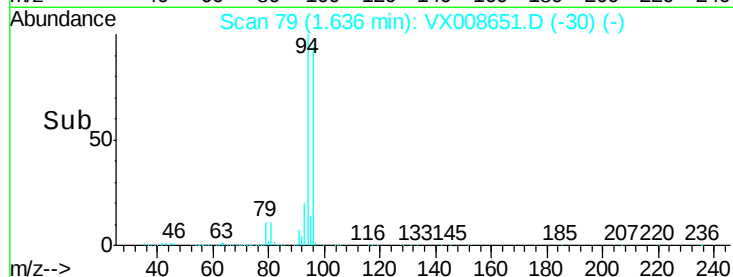
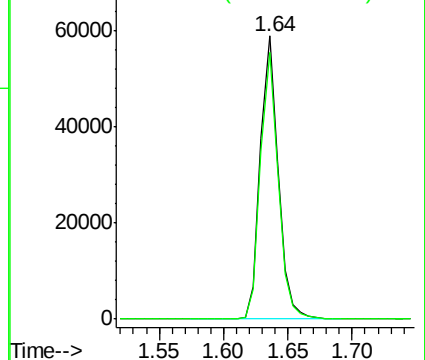
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 50.147 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX008651.D

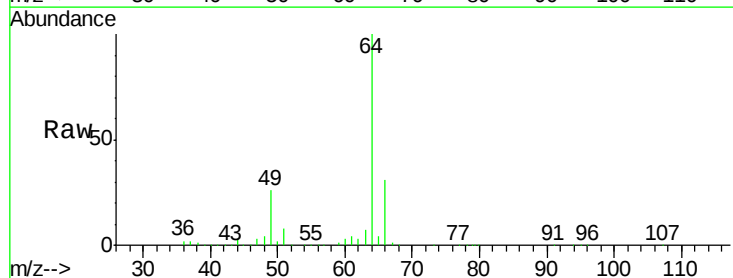
Acq: 04 Apr 2019 21:33

Tgt Ion: 64 Resp: 78411

Ion Ratio Lower Upper

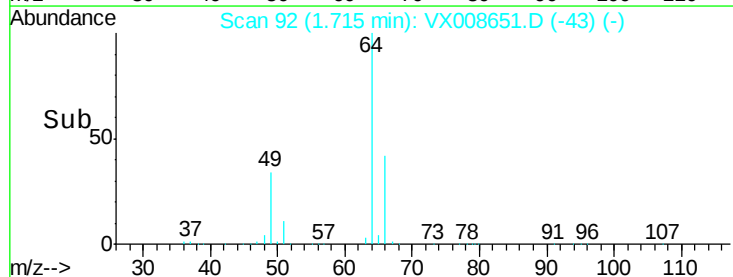
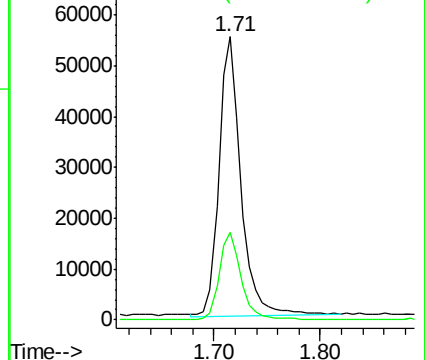
64 100

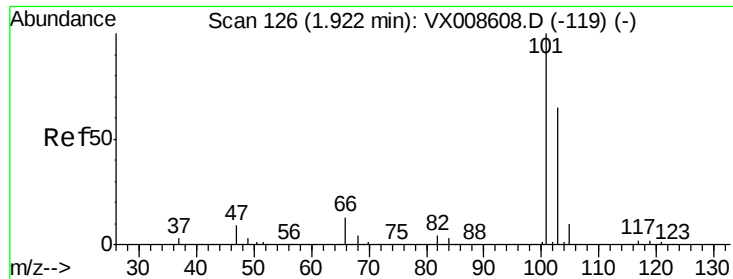
66 31.3 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

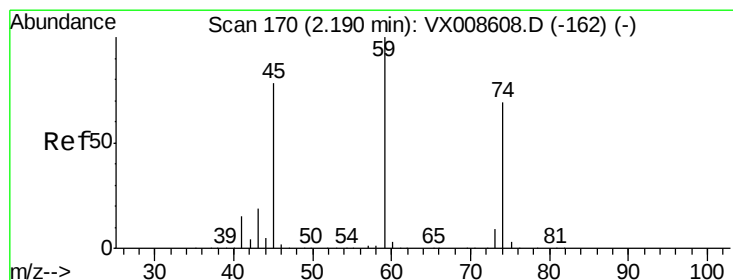
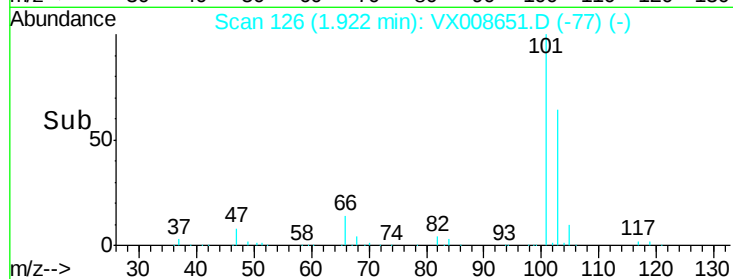
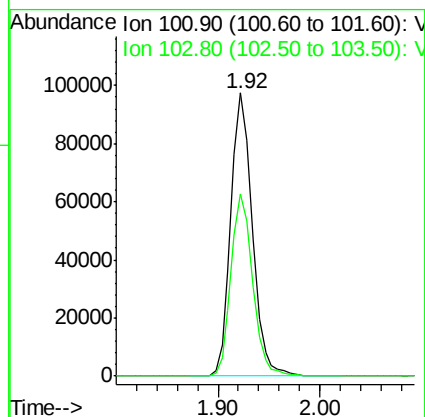
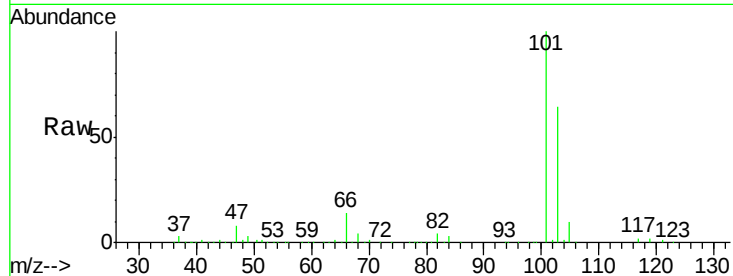
Trichlorofluoromethane  
Concen: 45.018 ug/l  
RT: 1.92 min Scan# 126  
Delta R.T. 0.00 min  
Lab File: VX008651.D  
Acq: 04 Apr 2019 21:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tot Ion:101 Resp: 142502  
Ion Ratio Lower Upper  
101 100  
103 64.5 52.3 78.5

Manual Integrations  
APPROVED

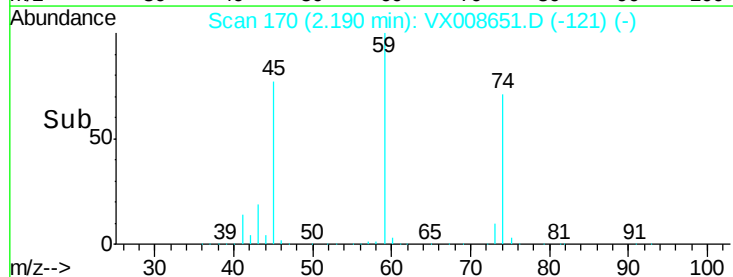
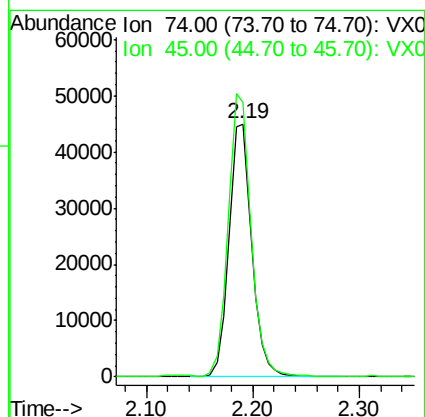
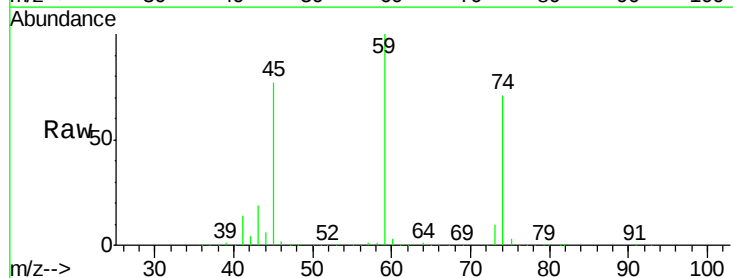
MMDadoda  
4/5/2019 10:53:46 AM

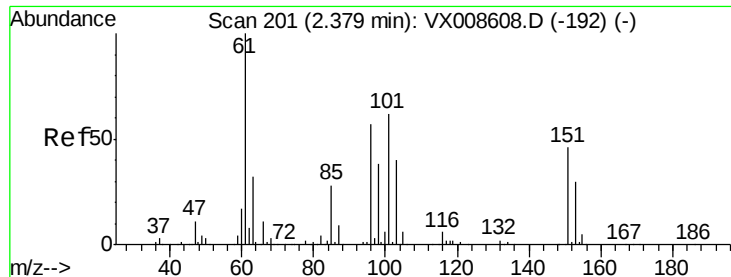


#8

Diethyl Ether  
Concen: 45.244 ug/l  
RT: 2.19 min Scan# 170  
Delta R.T. 0.00 min  
Lab File: VX008651.D  
Acq: 04 Apr 2019 21:33

Tgt Ion: 74 Resp: 67917  
Ion Ratio Lower Upper  
74 100  
45 111.8 56.5 169.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.393 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX008651.D

Acq: 04 Apr 2019 21:33

Instrument :

MSVOA\_X

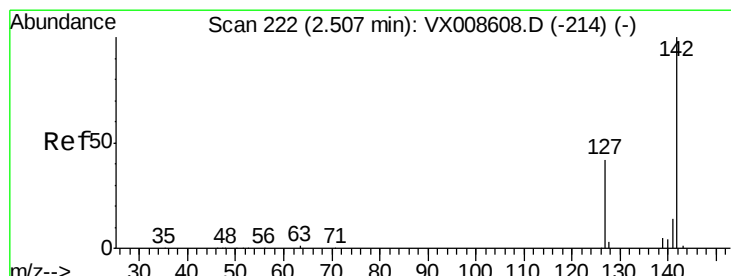
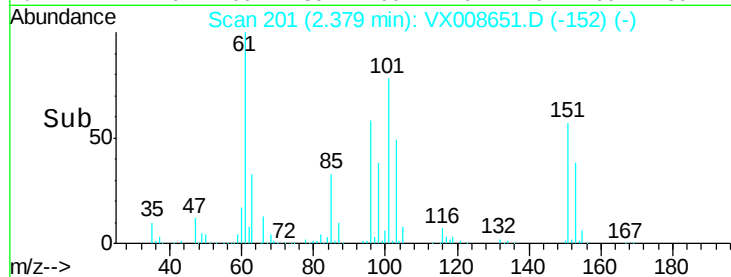
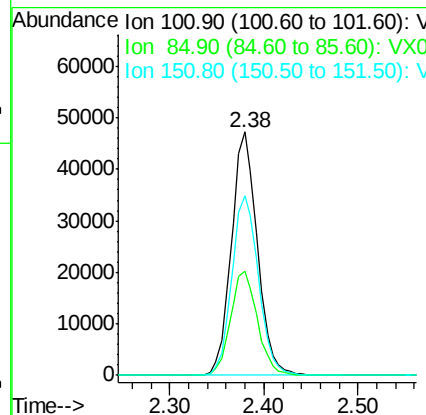
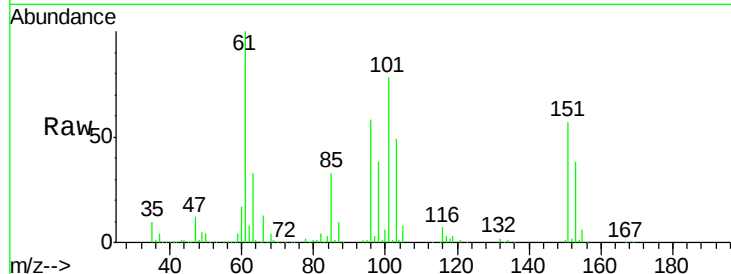
ClientSampleId :

VSTDCCC050

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 90474 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 44.1  | 36.0  | 54.0  |
| 151       | 75.8  | 59.9  | 89.9  |

Manual Integrations  
APPROVED

MMDadoda  
4/5/2019 10:53:46 AM



#10

Methyl Iodide

Concen: 34.641 ug/l

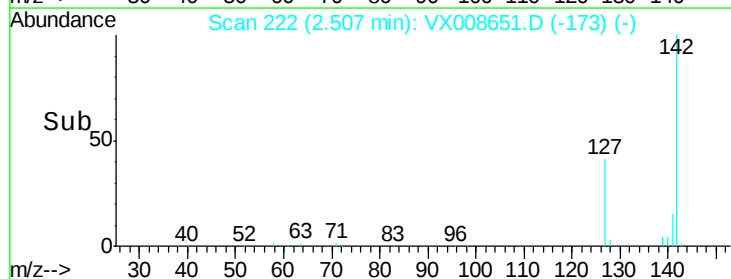
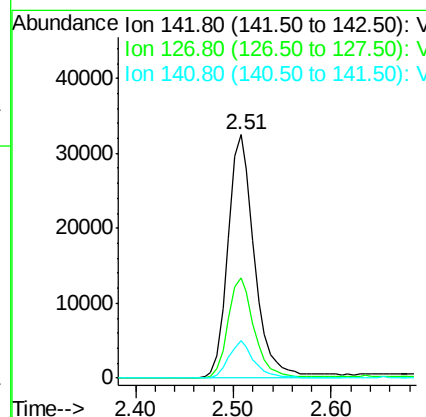
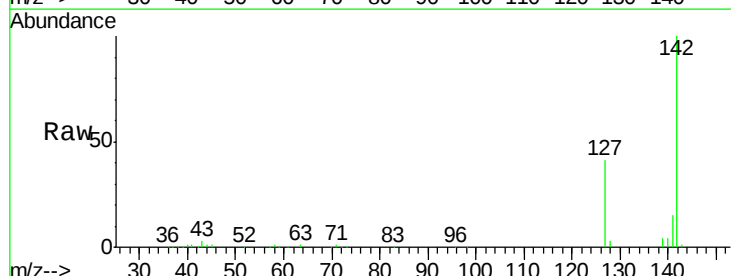
RT: 2.51 min Scan# 222

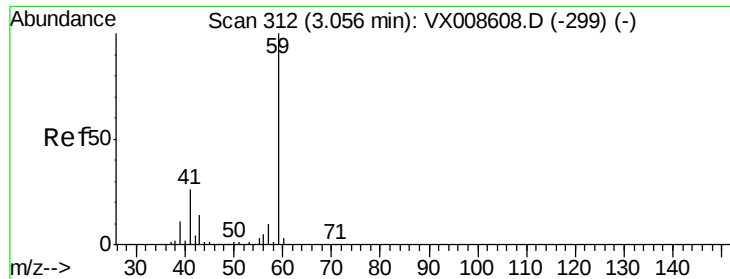
Delta R.T. 0.00 min

Lab File: VX008651.D

Acq: 04 Apr 2019 21:33

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 61818 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 41.2  | 33.0  | 49.6  |
| 141       | 14.6  | 11.4  | 17.2  |





#11

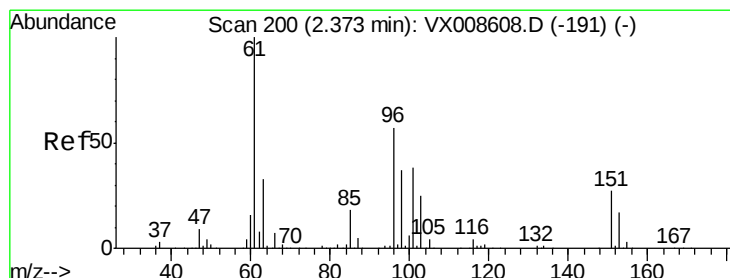
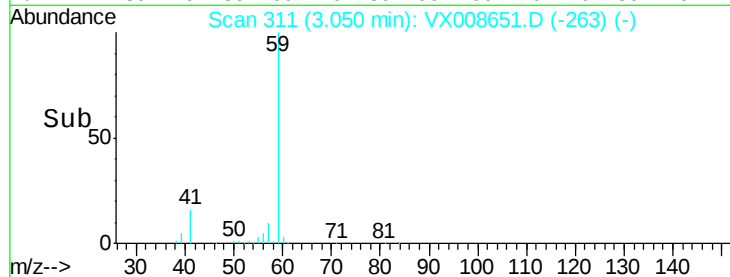
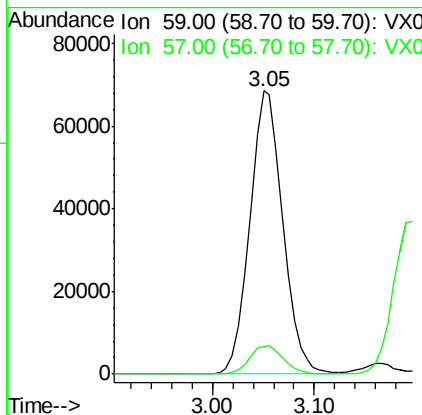
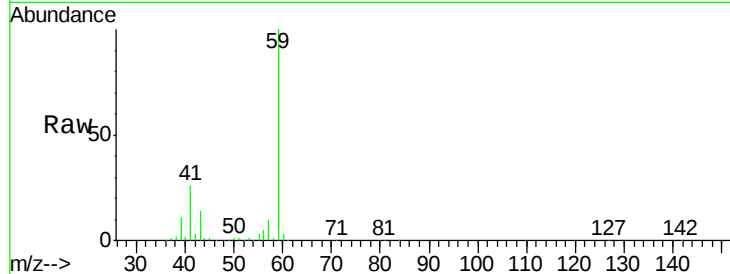
Tert butyl alcohol  
Concen: 245.758 ug/l  
RT: 3.05 min Scan# 311  
Delta R.T. -0.01 min  
Lab File: VX008651.D  
Acq: 04 Apr 2019 21:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | 59 | 57 | Ratio | 100 | 10.4 | Resp | 154434 | Lower | 8.3 | Upper | 12.5 |
|---------|----|----|-------|-----|------|------|--------|-------|-----|-------|------|
| Ion     | 59 | 57 | Ratio | 100 | 10.4 | Resp | 154434 | Lower | 8.3 | Upper | 12.5 |

Manual Integrations  
APPROVED

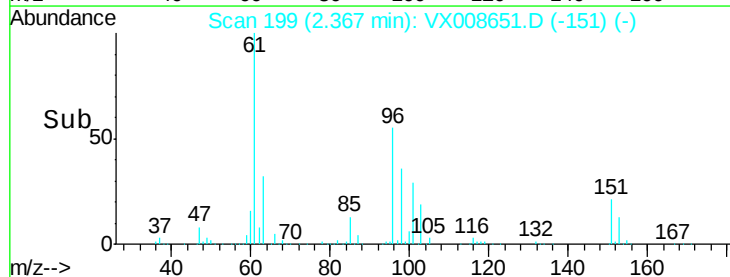
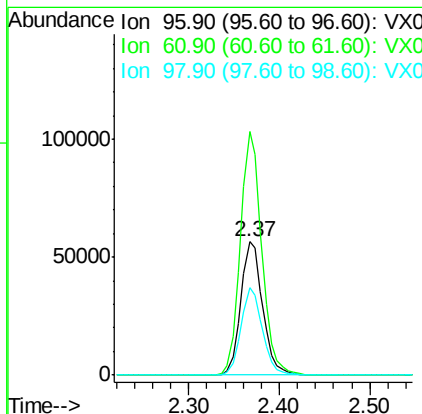
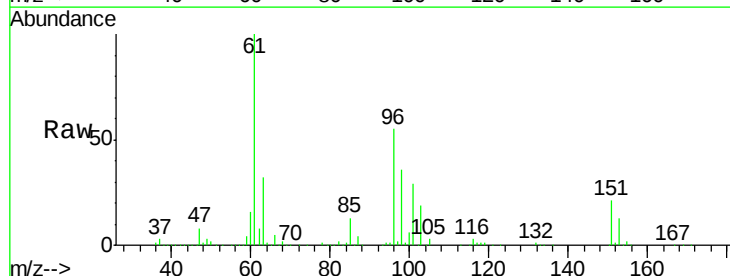
MMDadoda  
4/5/2019 10:53:46 AM

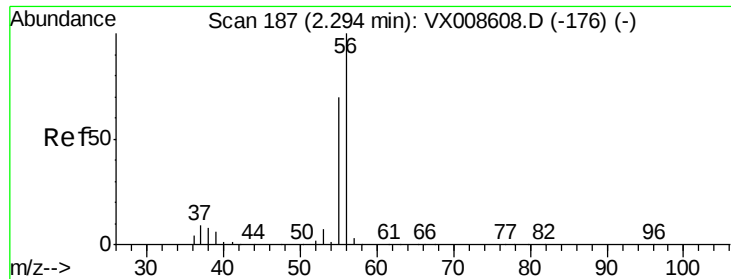


#12

1,1-Dichloroethene  
Concen: 44.227 ug/l  
RT: 2.37 min Scan# 199  
Delta R.T. -0.01 min  
Lab File: VX008651.D  
Acq: 04 Apr 2019 21:33

| Tgt Ion | 96 | 61 | 98 | Ratio | 100 | 182.4 | 65.9 | Resp | 94095 | Lower | 140.9 | 52.1 | Upper | 211.3 | 78.1 |
|---------|----|----|----|-------|-----|-------|------|------|-------|-------|-------|------|-------|-------|------|
| Ion     | 96 | 61 | 98 | Ratio | 100 | 182.4 | 65.9 | Resp | 94095 | Lower | 140.9 | 52.1 | Upper | 211.3 | 78.1 |





#13

Acrolein

Concen: 168.001 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008651.D

Acq: 04 Apr 2019 21:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 52348

Ion Ratio Lower Upper

56 100

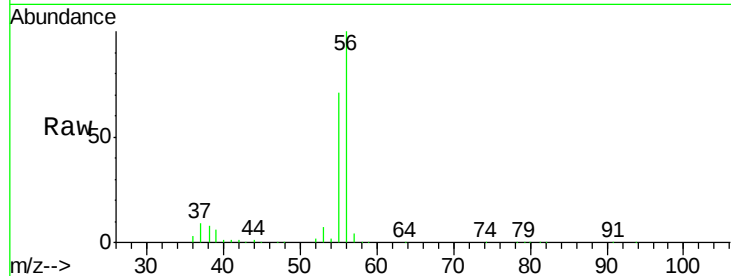
55 71.5 58.0 87.0

Manual Integrations

APPROVED

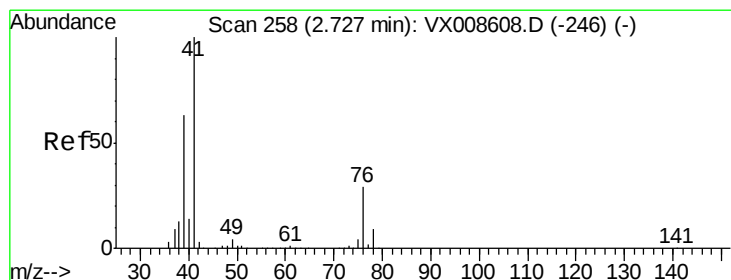
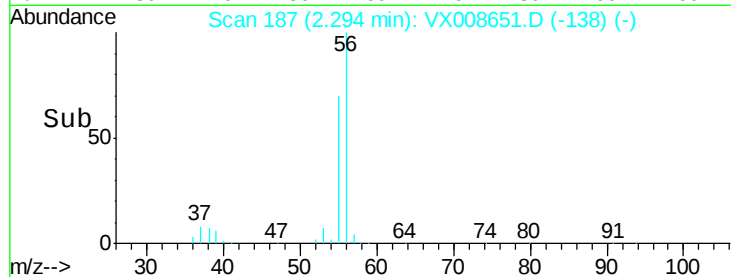
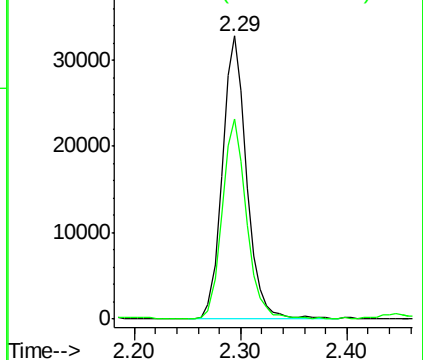
MMDadoda

4/5/2019 10:53:46 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 45.511 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX008651.D

Acq: 04 Apr 2019 21:33

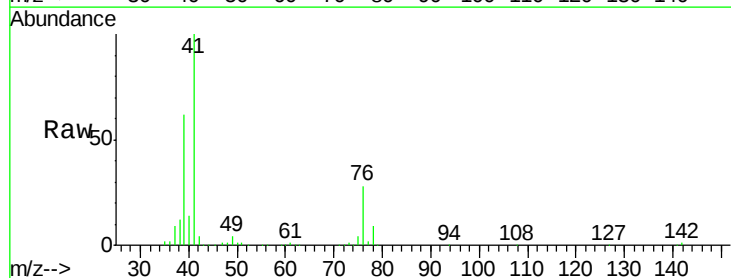
Tgt Ion: 41 Resp: 221659

Ion Ratio Lower Upper

41 100

39 59.1 48.0 72.0

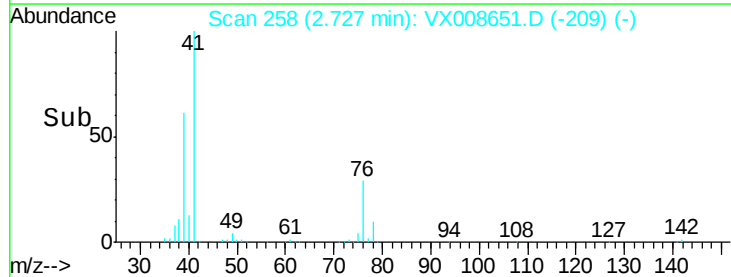
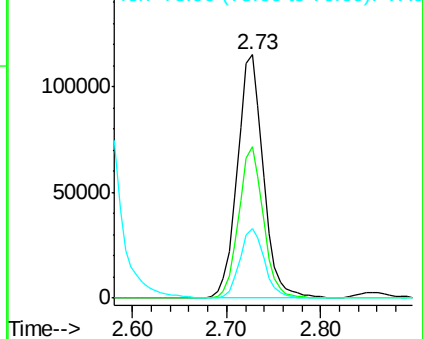
76 27.1 22.0 33.0

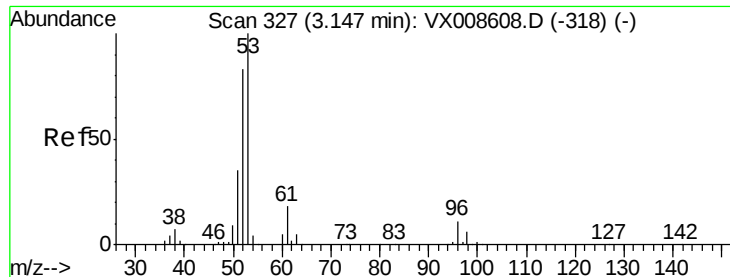


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 230.281 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008651.D

Acq: 04 Apr 2019 21:33

Instrument :

MSVOA\_X

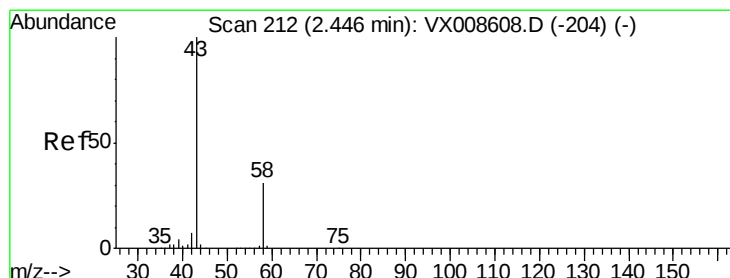
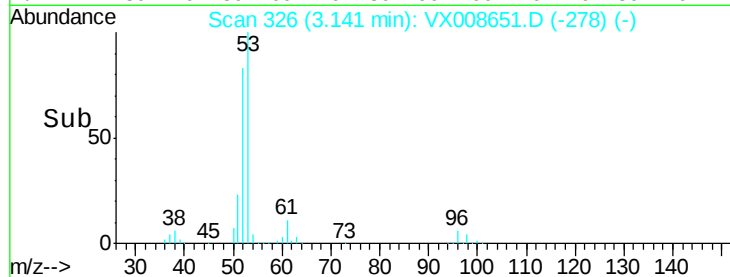
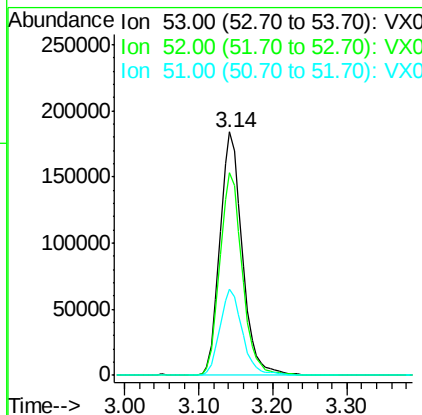
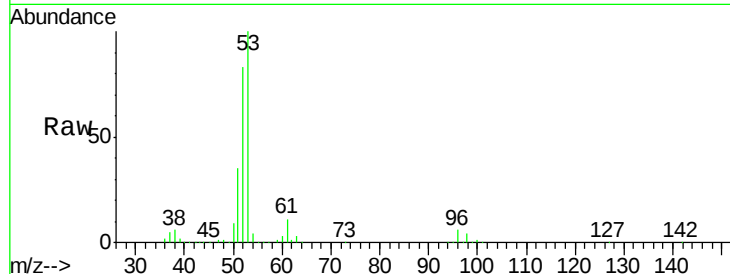
ClientSampleId :

VSTDCCC050

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 53   | Resp: | 383357 |
| Ion Ratio |      | Lower | Upper  |
| 53        | 100  |       |        |
| 52        | 83.7 | 66.5  | 99.7   |
| 51        | 35.5 | 28.6  | 42.8   |

Manual Integrations  
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MMDadoda  
4/5/2019 10:53:46 AM



#16

Acetone

Concen: 211.155 ug/l

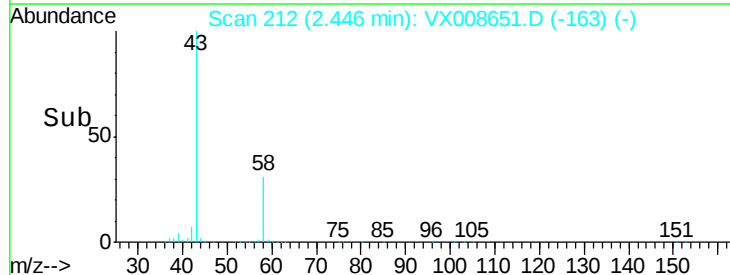
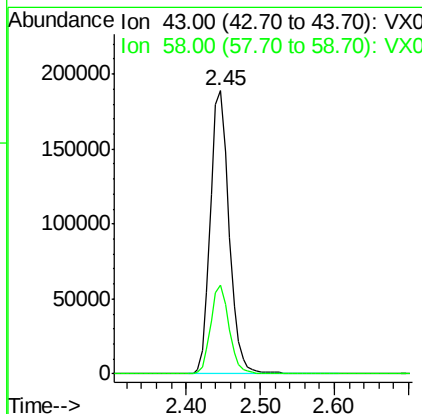
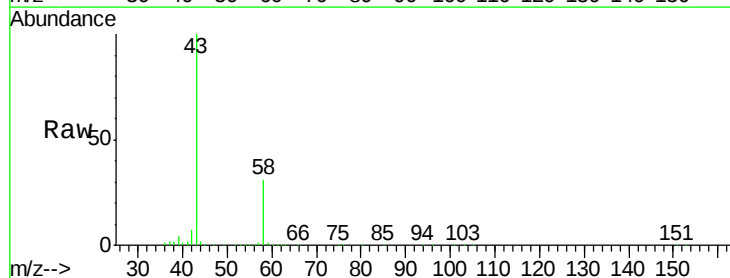
RT: 2.45 min Scan# 212

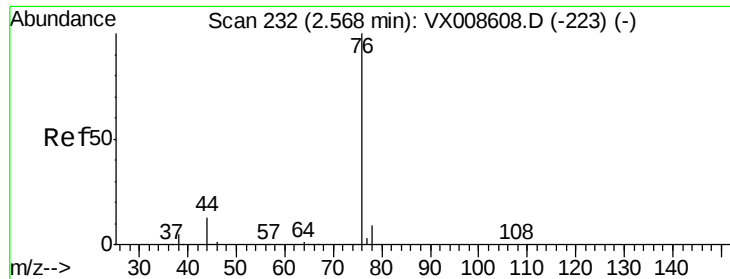
Delta R.T. 0.00 min

Lab File: VX008651.D

Acq: 04 Apr 2019 21:33

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 43   | Resp: | 326446 |
| Ion Ratio |      | Lower | Upper  |
| 43        | 100  |       |        |
| 58        | 31.3 | 24.8  | 37.2   |





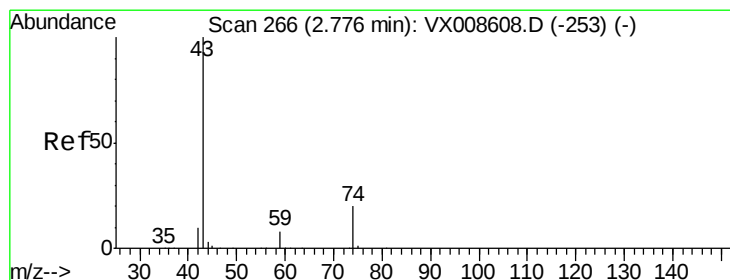
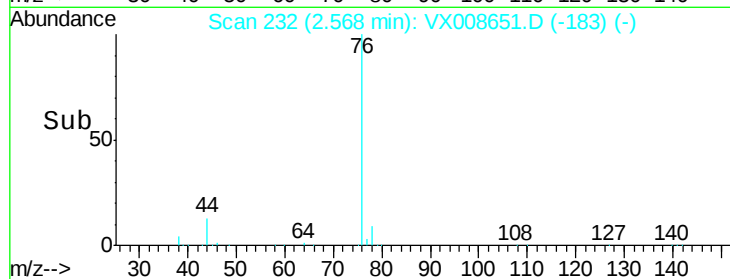
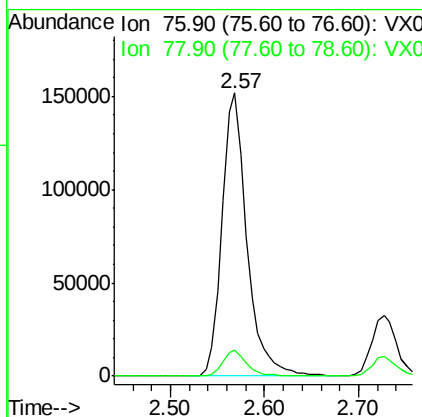
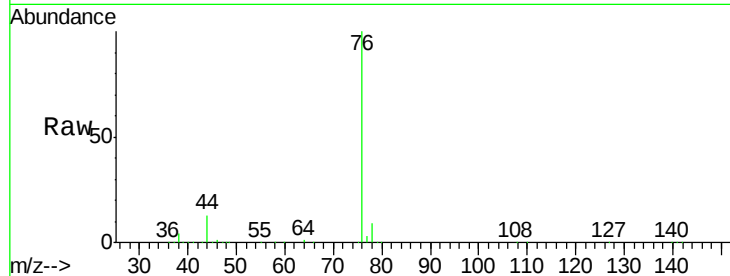
#17  
Carbon Disulfide  
Concen: 45.368 ug/l  
RT: 2.57 min Scan# 232  
Delta R.T. 0.00 min  
Lab File: VX008651.D  
Acq: 04 Apr 2019 21:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.3   | 7.1   | 10.7  |

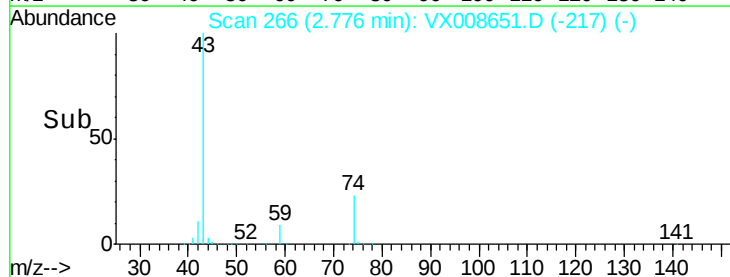
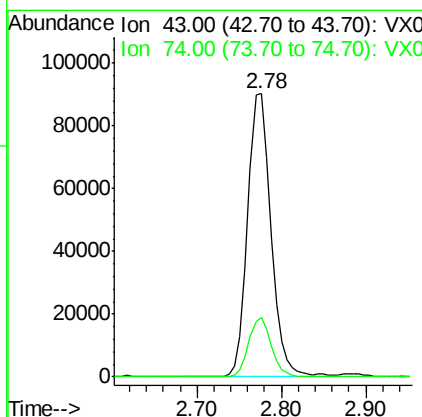
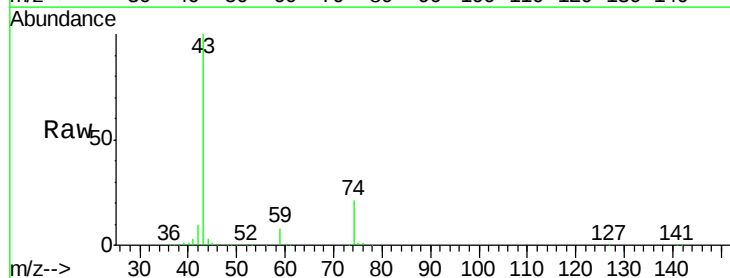
Manual Integrations  
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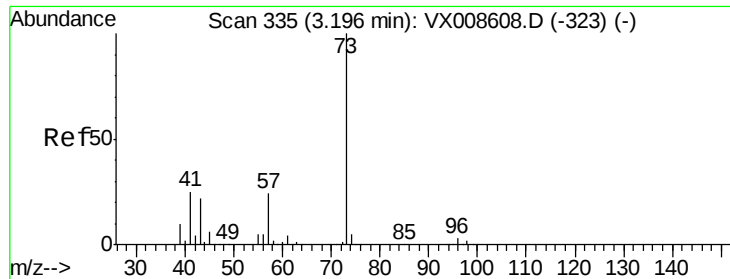
MMDadoda  
4/5/2019 10:53:46 AM



#18  
Methyl Acetate  
Concen: 44.998 ug/l  
RT: 2.78 min Scan# 266  
Delta R.T. 0.00 min  
Lab File: VX008651.D  
Acq: 04 Apr 2019 21:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 20.7  | 16.5  | 24.7  |





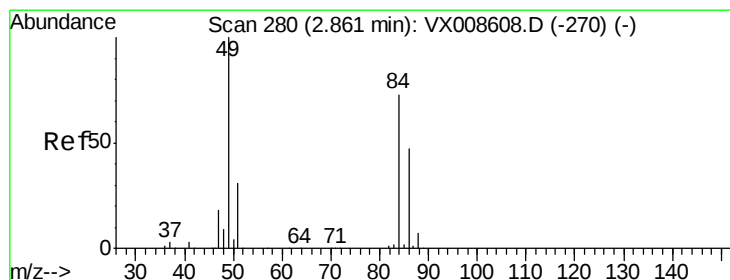
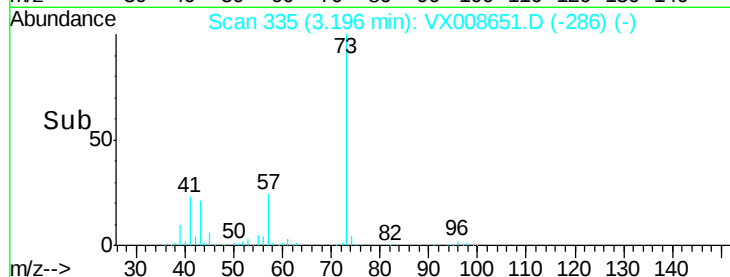
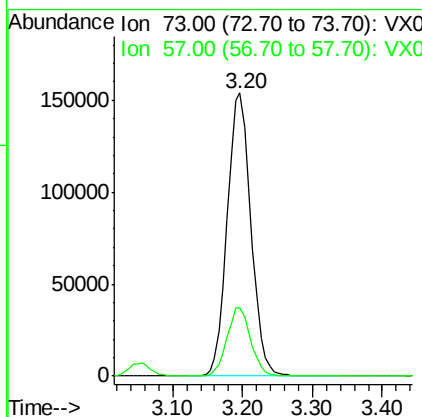
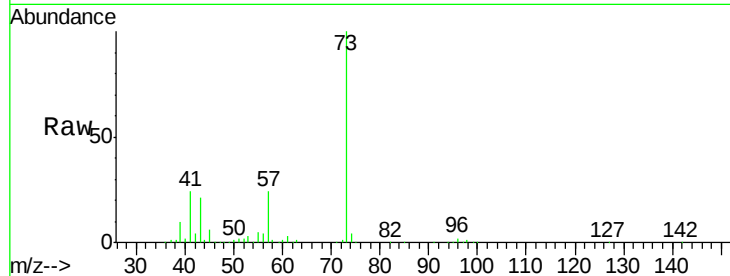
#19  
Methvl tert-butvl Ether  
Concen: 47.613 ug/l  
RT: 3.20 min Scan# 335  
Delta R.T. 0.00 min  
Lab File: VX008651.D  
Acq: 04 Apr 2019 21:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 24.0  | 19.5  | 29.3  |

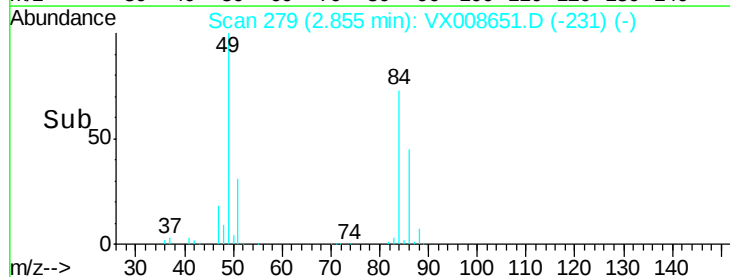
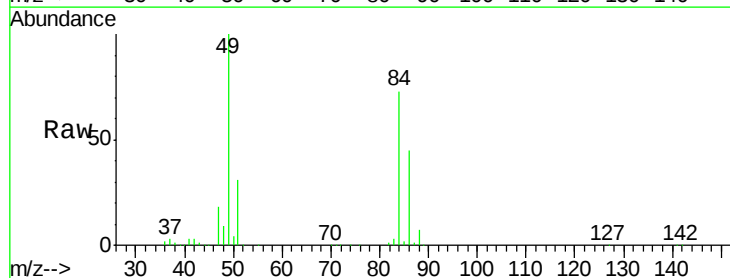
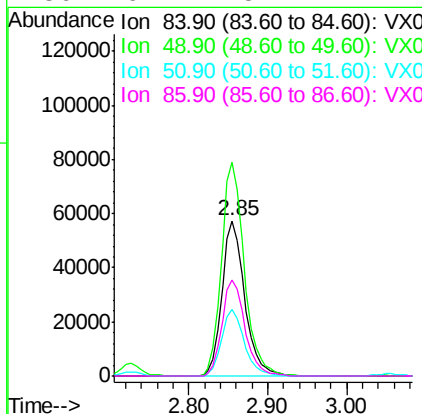
Manual Integrations  
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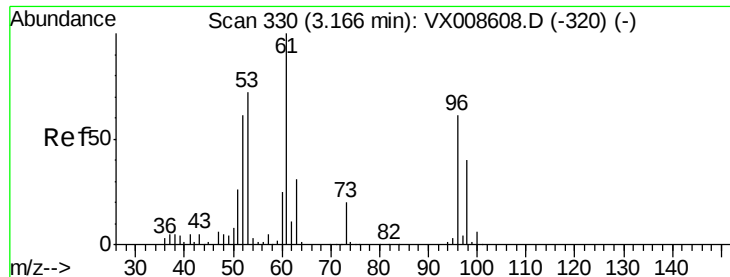
MMDadoda  
4/5/2019 10:53:46 AM



#20  
Methylene Chloride  
Concen: 44.438 ug/l  
RT: 2.85 min Scan# 279  
Delta R.T. -0.01 min  
Lab File: VX008651.D  
Acq: 04 Apr 2019 21:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 137.6 | 109.7 | 164.5 |
| 51      | 42.7  | 33.6  | 50.4  |
| 86      | 61.7  | 51.4  | 77.2  |





#21

trans-1,2-Dichloroethene

Concen: 43.996 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX008651.D

Acq: 04 Apr 2019 21:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 101248

Ion Ratio Lower Upper

96 100

61 160.8 132.1 198.1

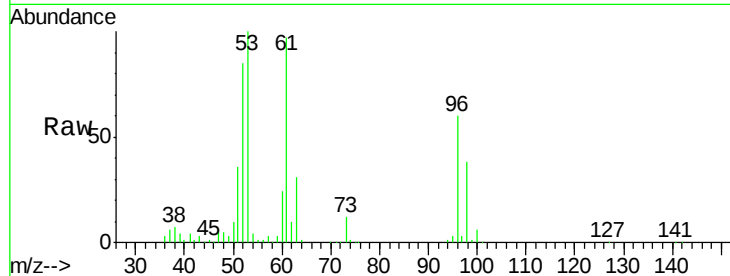
98 63.2 52.2 78.2

Manual Integrations

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MMDadoda

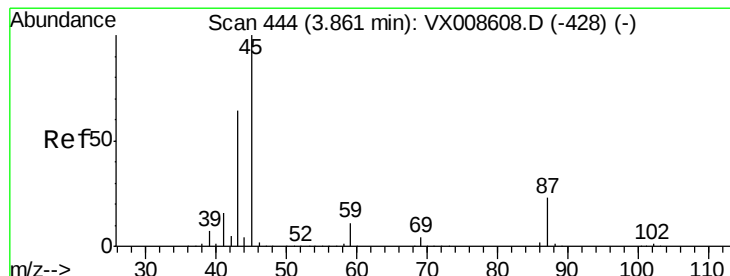
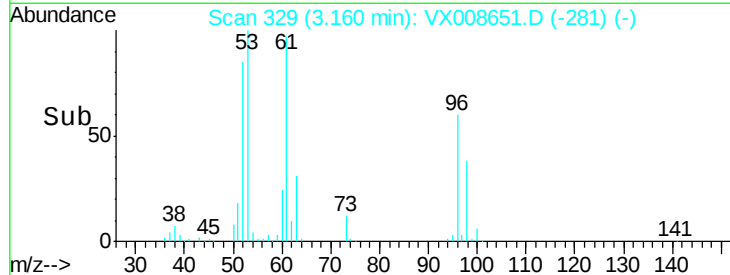
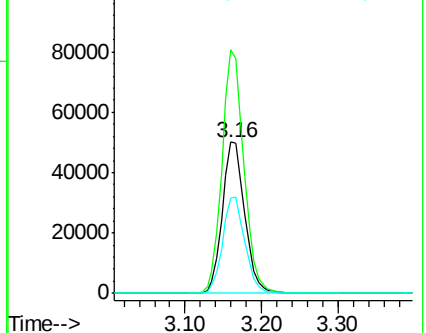
4/5/2019 10:53:46 AM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 46.012 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.01 min

Lab File: VX008651.D

Acq: 04 Apr 2019 21:33

Tgt Ion: 45 Resp: 431933

Ion Ratio Lower Upper

45 100

43 72.9 51.3 76.9

87 22.9 18.1 27.1

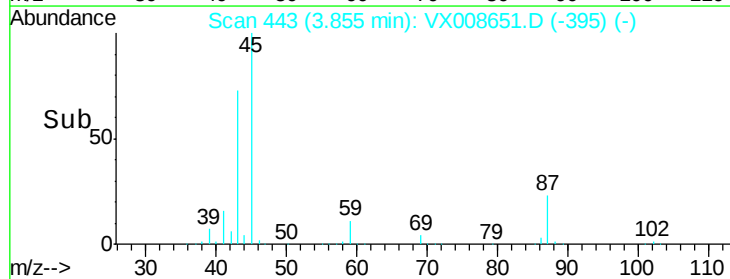
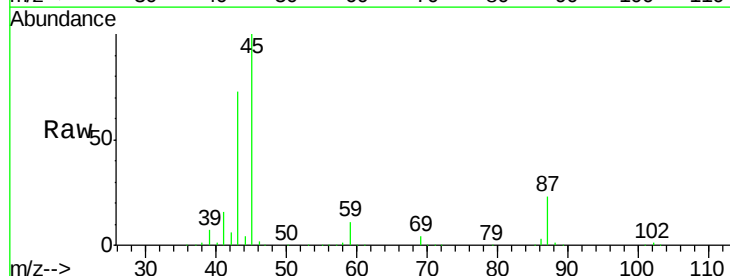
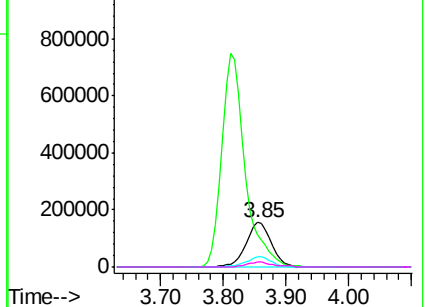
59 10.8 8.6 13.0

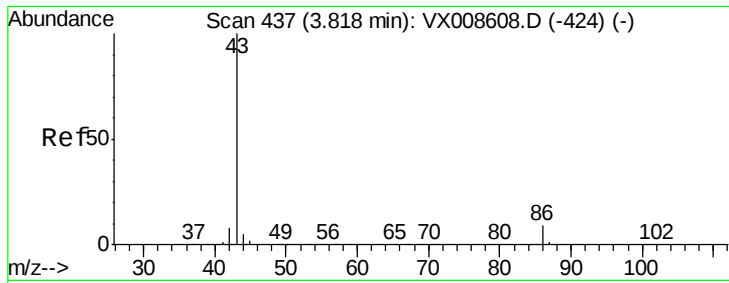
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 236.348 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX008651.D

Acq: 04 Apr 2019 21:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1930110

Ion Ratio Lower Upper

43 100

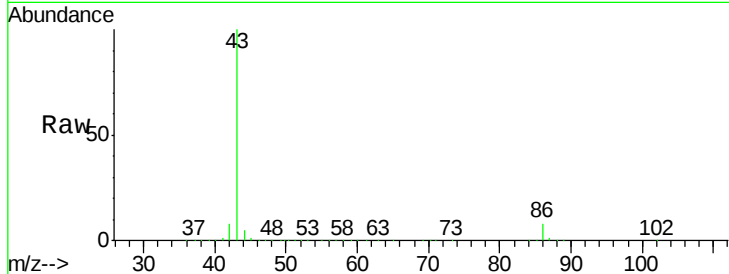
86 8.5 7.0 10.6

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

800000

600000

400000

200000

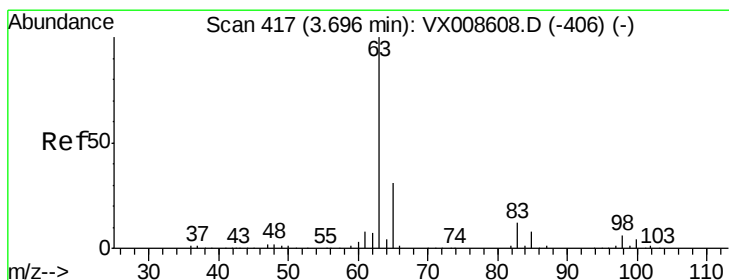
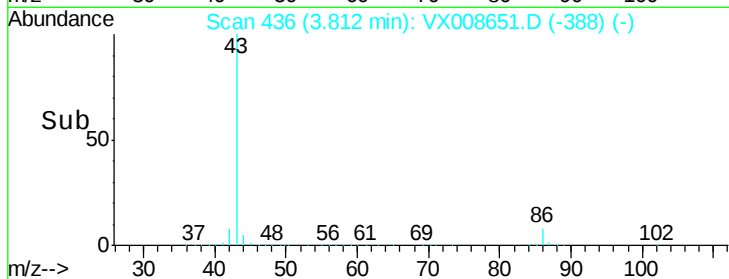
0

3.81

3.80

4.00

Time-->



#24

1,1-Dichloroethane

Concen: 45.713 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX008651.D

Acq: 04 Apr 2019 21:33

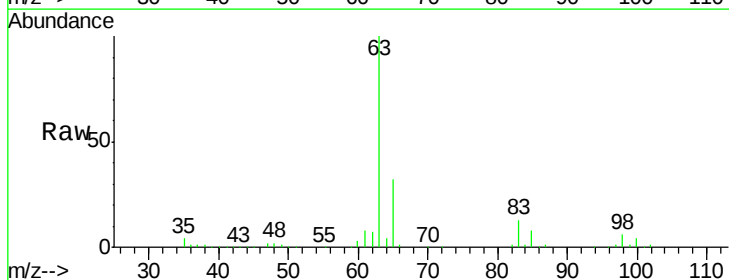
Tgt Ion: 63 Resp: 212465

Ion Ratio Lower Upper

63 100

98 6.1 2.8 8.4

100 3.9 1.8 5.5



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

120000

100000

80000

60000

40000

20000

0

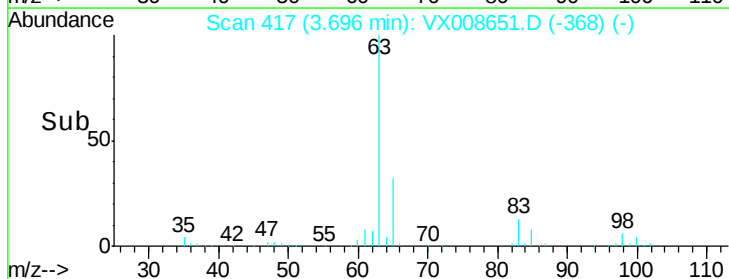
3.70

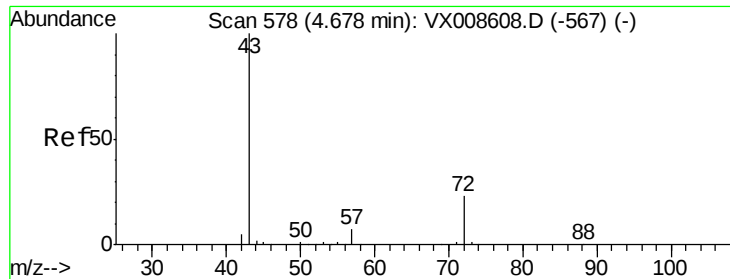
3.60

3.80

3.90

Time-->





#25

2-Butanone

Concen: 231.229 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.01 min

Lab File: VX008651.D

Acq: 04 Apr 2019 21:33

Tot Ion: 43 Resp: 565008

Ion Ratio Lower Upper

43 100

72 22.4 18.2 27.4

Instrument :

MSVOA\_X

ClientSampled :

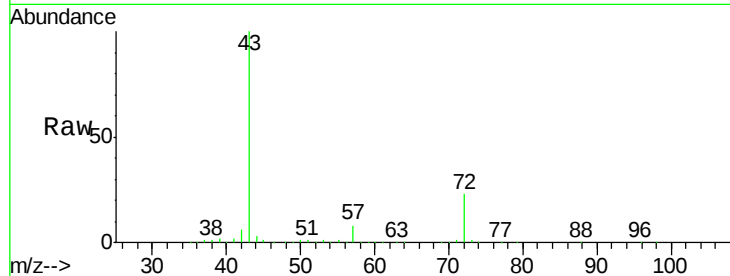
VSTDCCC050

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.67

200000

150000

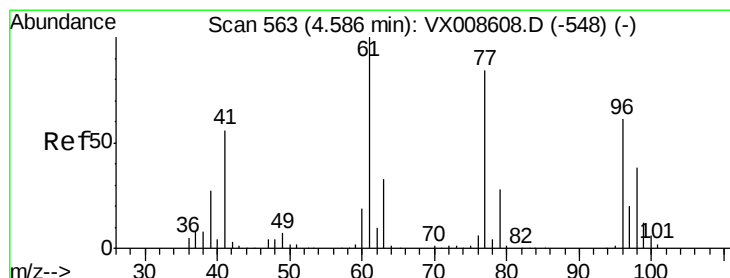
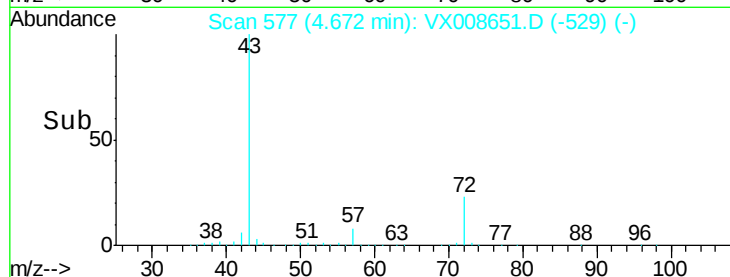
100000

50000

0

Time-->

4.60 4.70 4.80



#26

2,2-Dichloropropane

Concen: 42.359 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX008651.D

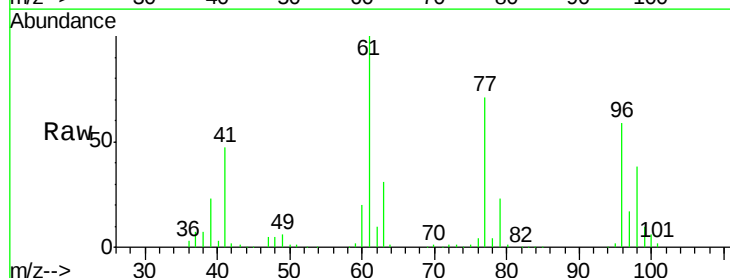
Acq: 04 Apr 2019 21:33

Tgt Ion: 77 Resp: 138663

Ion Ratio Lower Upper

77 100

97 23.1 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.59

50000

40000

30000

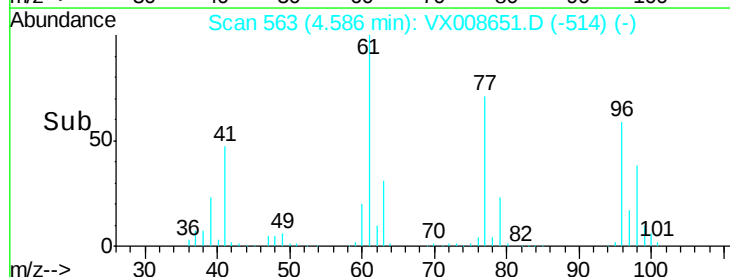
20000

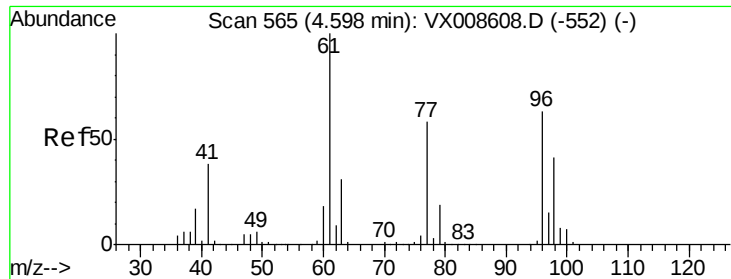
10000

0

Time-->

4.40 4.50 4.60 4.70 4.80





#27

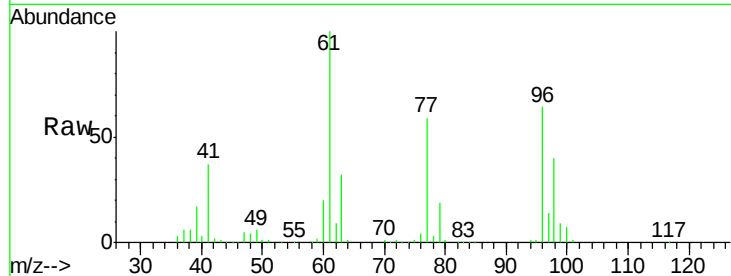
cis-1,2-Dichloroethene  
Concen: 44.724 ug/l  
RT: 4.59 min Scan# 564  
Delta R.T. -0.01 min  
Lab File: VX008651.D  
Acq: 04 Apr 2019 21:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

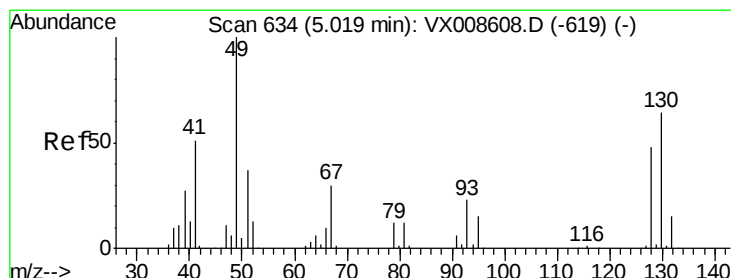
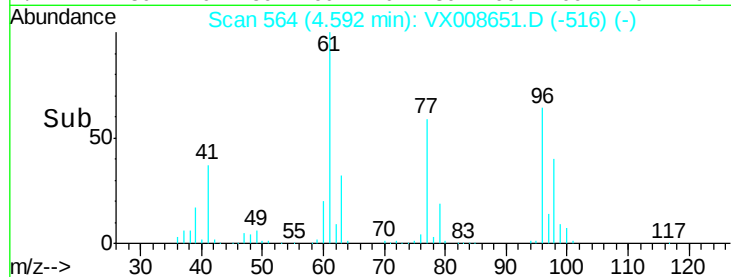
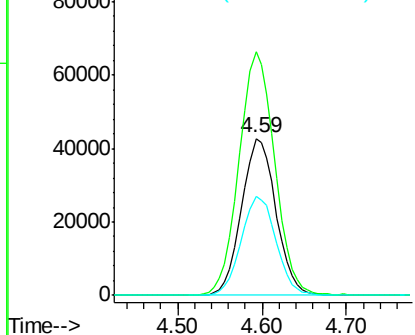
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 96      | 100   |      |       |       |
| 61      | 160.8 | 0.0  | 327.6 |       |
| 98      | 64.1  | 0.0  | 128.6 |       |

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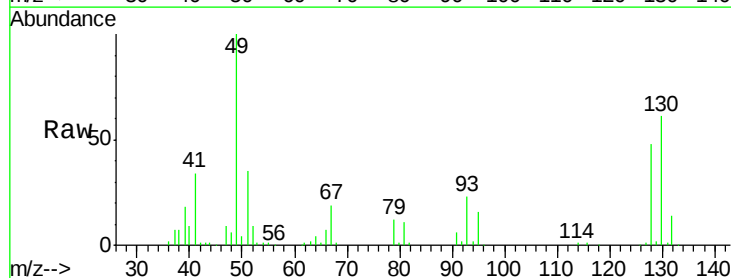
Abundance Ion 95.90 (95.60 to 96.60): VX0  
Ion 60.90 (60.60 to 61.60): VX0  
Ion 97.90 (97.60 to 98.60): VX0



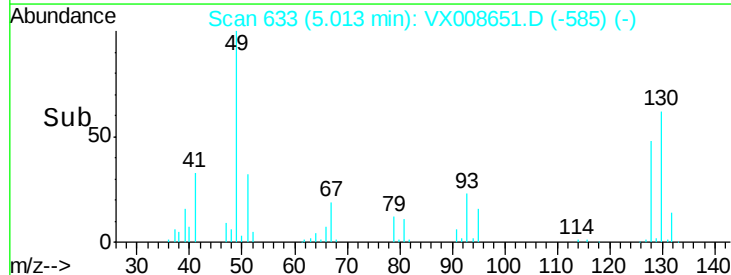
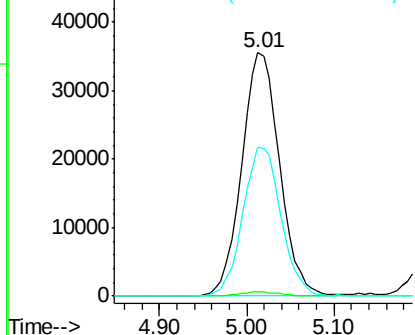
#28

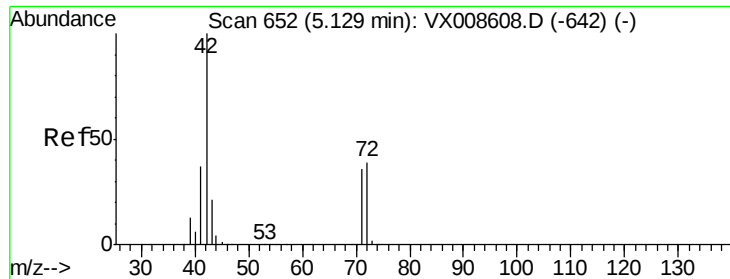
Bromochloromethane  
Concen: 55.570 ug/l  
RT: 5.01 min Scan# 633  
Delta R.T. -0.01 min  
Lab File: VX008651.D  
Acq: 04 Apr 2019 21:33

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 49      | 100   |      |       |       |
| 129     | 1.8   | 0.0  | 3.6   |       |
| 130     | 61.4  | 49.3 | 73.9  |       |



Abundance Ion 48.90 (48.60 to 49.60): VX0  
Ion 128.80 (128.50 to 129.50): V  
Ion 129.80 (129.50 to 130.50): V





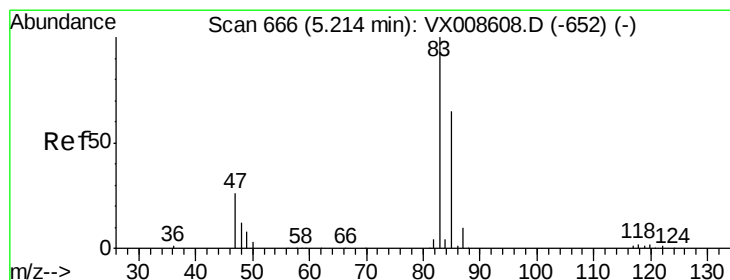
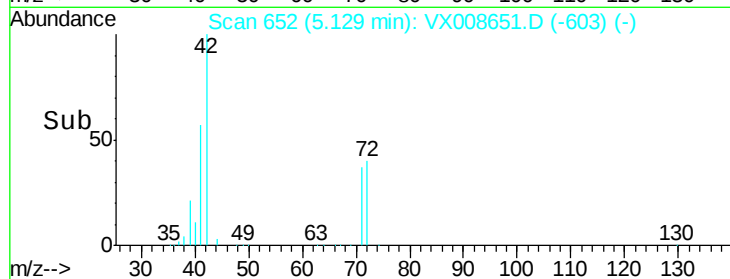
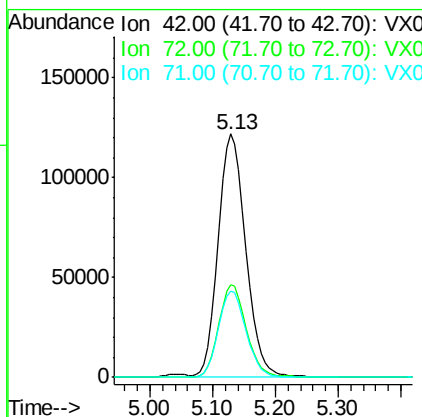
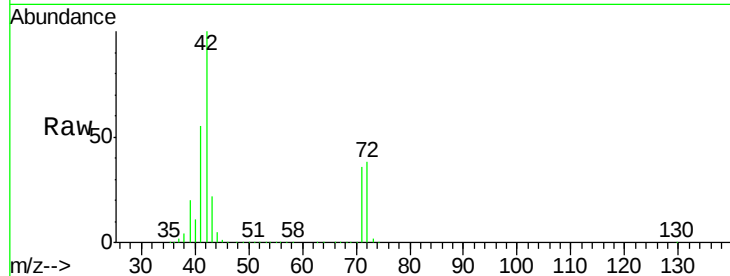
#29  
Tetrahydrofuran  
Concen: 228.364 ug/l  
RT: 5.13 min Scan# 652  
Delta R.T. -0.00 min  
Lab File: VX008651.D  
Acq: 04 Apr 2019 21:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 38.3  | 30.5  | 45.7  |
| 71      | 35.8  | 28.6  | 43.0  |

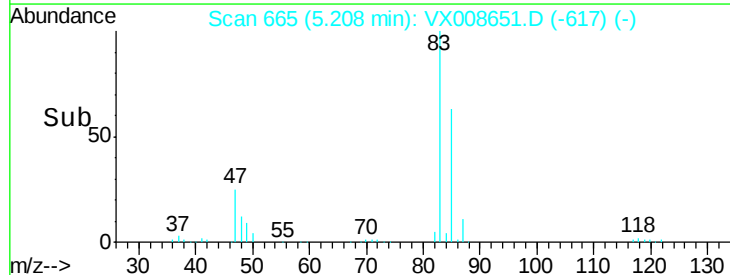
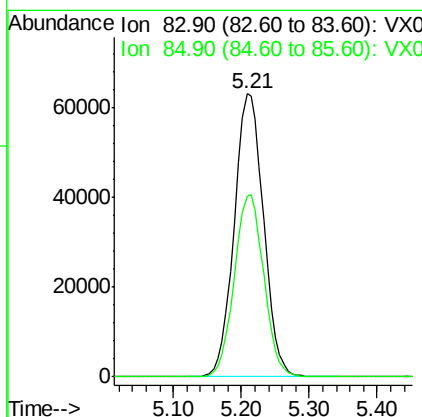
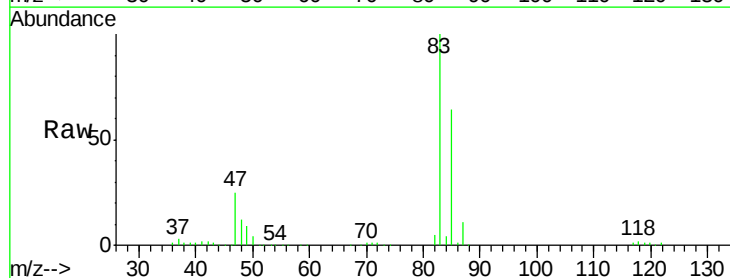
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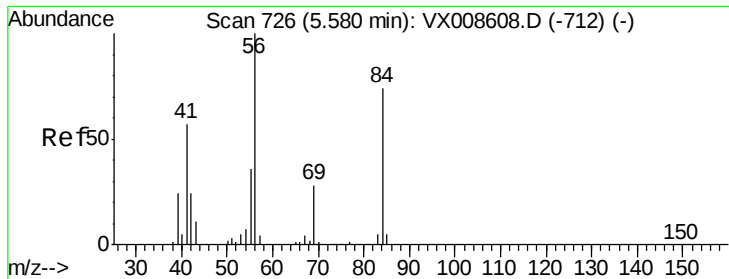
MMDadoda  
4/5/2019 10:53:46 AM



#30  
Chloroform  
Concen: 45.656 ug/l  
RT: 5.21 min Scan# 665  
Delta R.T. -0.01 min  
Lab File: VX008651.D  
Acq: 04 Apr 2019 21:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.2  | 52.1  | 78.1  |





#31

Cyclohexane

Concen: 43.335 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX008651.D

Acq: 04 Apr 2019 21:33

Instrument :

MSVOA\_X

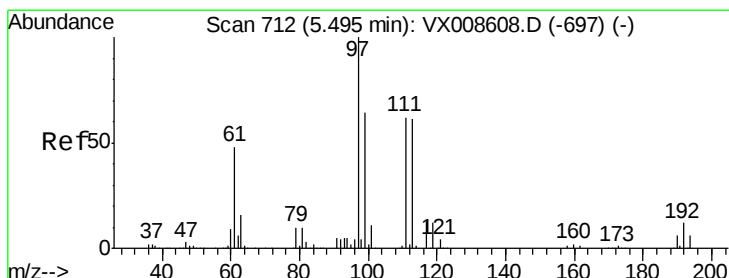
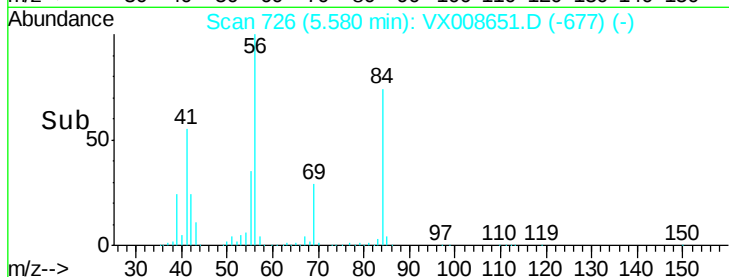
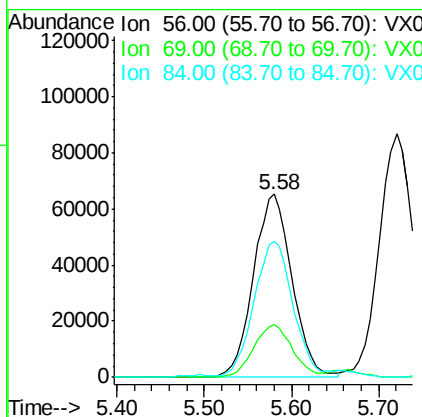
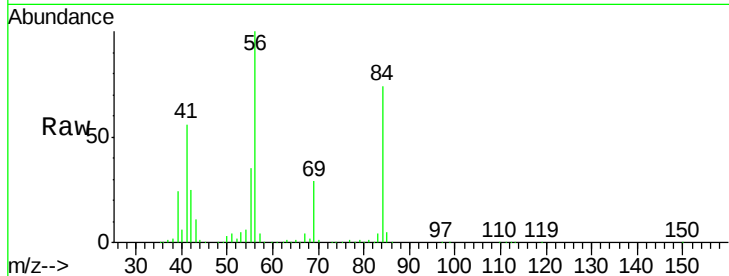
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 56    | Resp: | 200974 |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 28.8  | 22.6  | 33.8   |
| 84       | 72.9  | 59.3  | 88.9   |

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#32

1,1,1-Trichloroethane

Concen: 46.427 ug/l

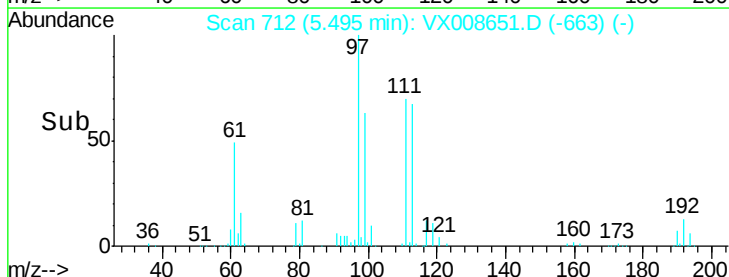
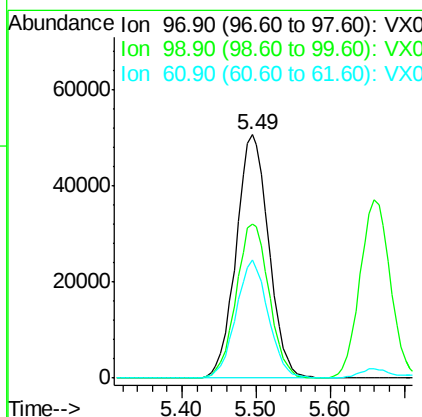
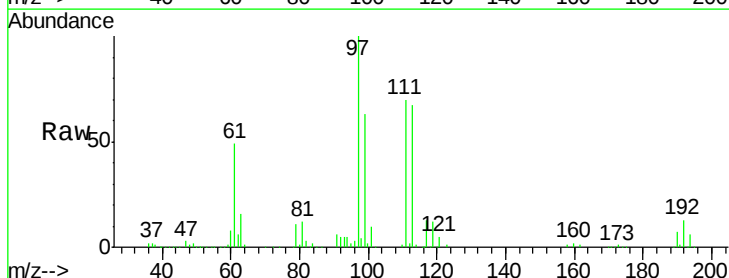
RT: 5.49 min Scan# 712

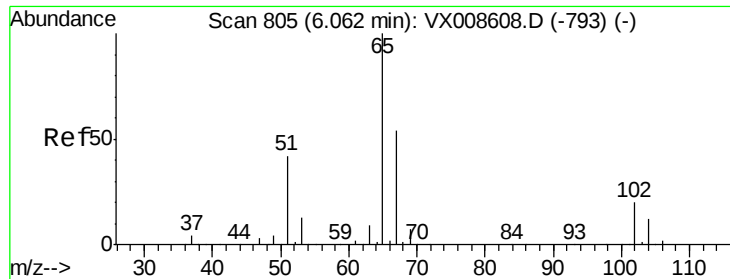
Delta R.T. 0.00 min

Lab File: VX008651.D

Acq: 04 Apr 2019 21:33

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 155746 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 64.0  | 51.3  | 76.9   |
| 61       | 47.9  | 38.9  | 58.3   |





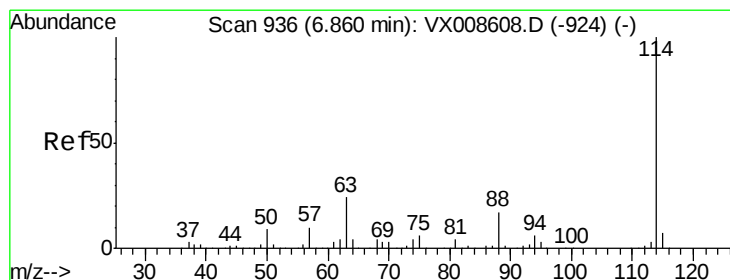
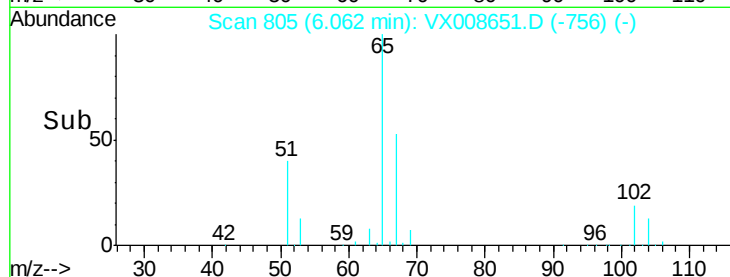
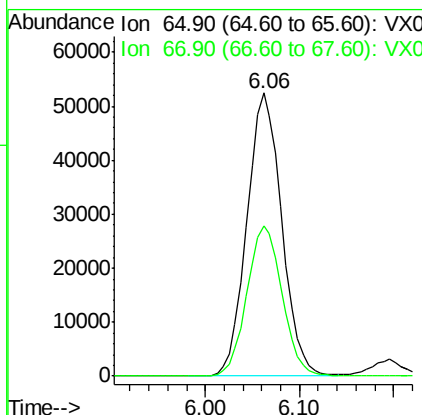
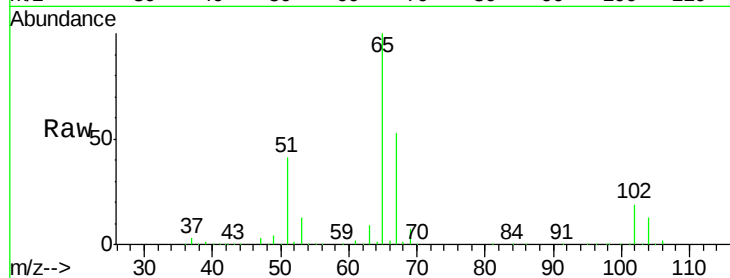
#33  
 1,2-Dichloroethane-d4  
 Concen: 50.483 ug/l  
 RT: 6.06 min Scan# 805  
 Delta R.T. 0.00 min  
 Lab File: VX008651.D  
 Acq: 04 Apr 2019 21:33

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 135504 |       |       |
| 67      | 53.8  | 0.0    | 107.2 |       |

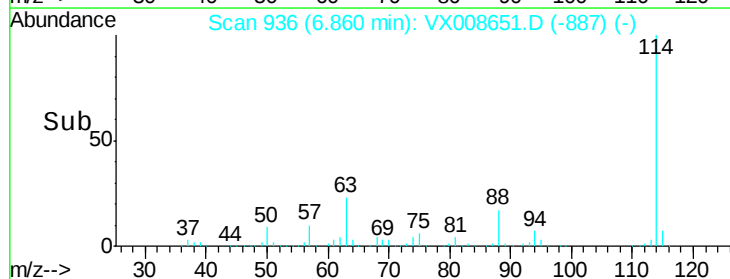
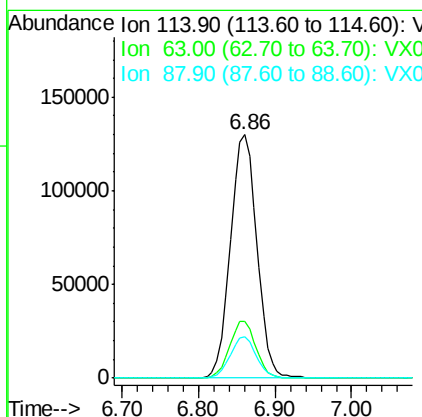
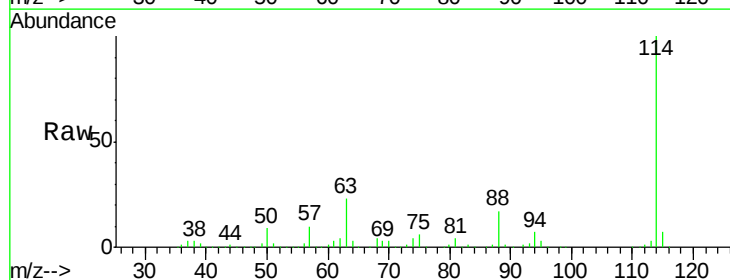
Manual Integrations  
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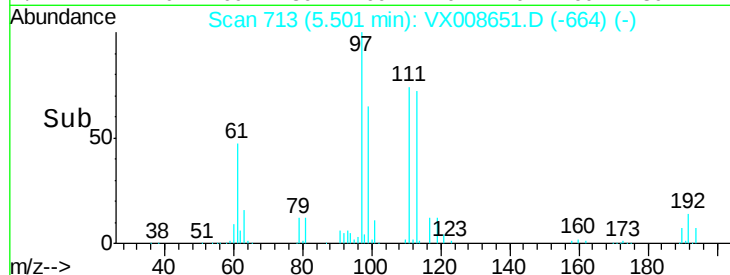
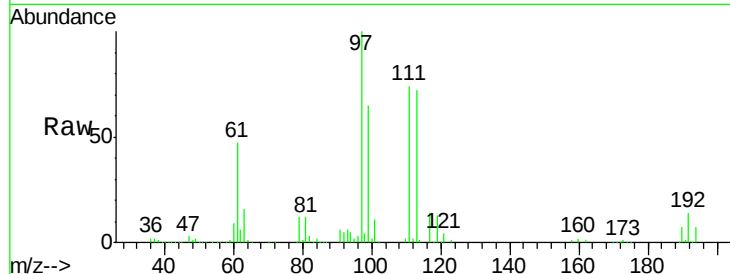
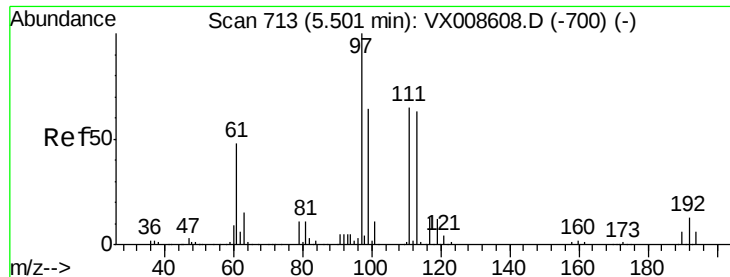
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. 0.00 min  
 Lab File: VX008651.D  
 Acq: 04 Apr 2019 21:33

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 311218 |       |       |
| 63      | 23.2  | 0.0    | 47.2  |       |
| 88      | 16.8  | 0.0    | 34.0  |       |





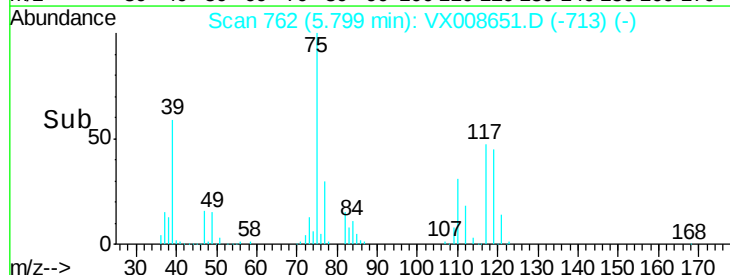
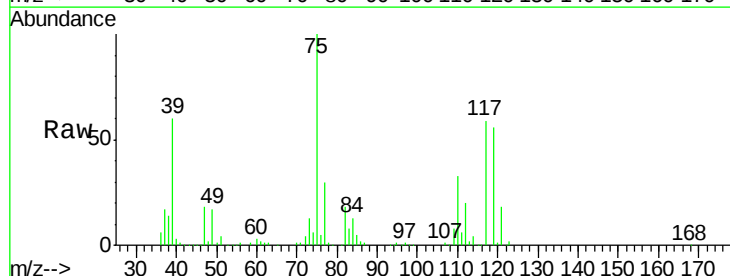
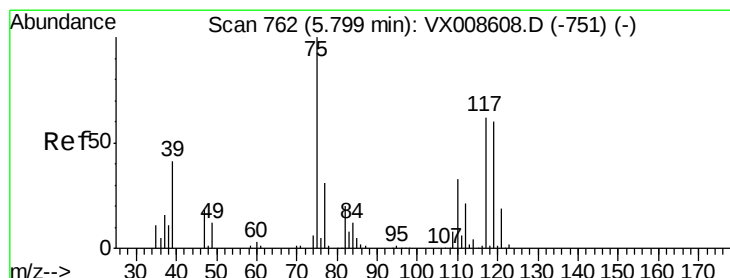
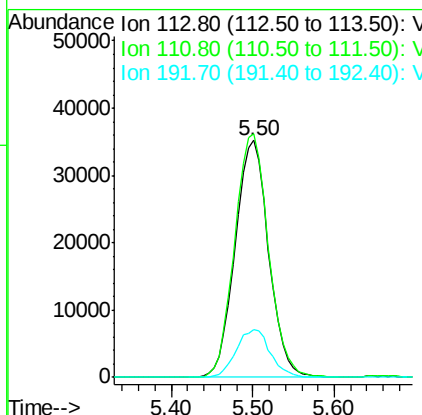
#35  
Dibromofluoromethane  
Concen: 50.342 ug/l  
RT: 5.50 min Scan# 713  
Delta R.T. 0.00 min  
Lab File: VX008651.D  
Acq: 04 Apr 2019 21:33

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 100171 |       |       |
| 111     | 103.8 | 83.4   | 125.2 |       |
| 192     | 20.5  | 16.1   | 24.1  |       |

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

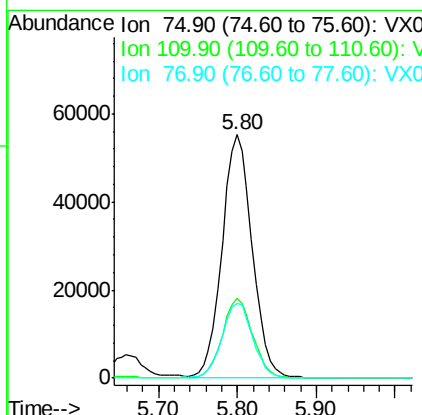
Manual Integrations  
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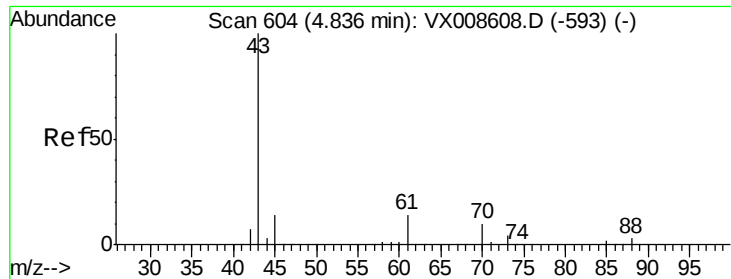
MMDadoda  
4/5/2019 10:53:46 AM



#36  
1,1-Dichloropropene  
Concen: 43.118 ug/l  
RT: 5.80 min Scan# 762  
Delta R.T. 0.00 min  
Lab File: VX008651.D  
Acq: 04 Apr 2019 21:33

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 146683 |       |       |
| 110     | 33.1  | 16.4   | 49.2  |       |
| 77      | 31.1  | 24.7   | 37.1  |       |





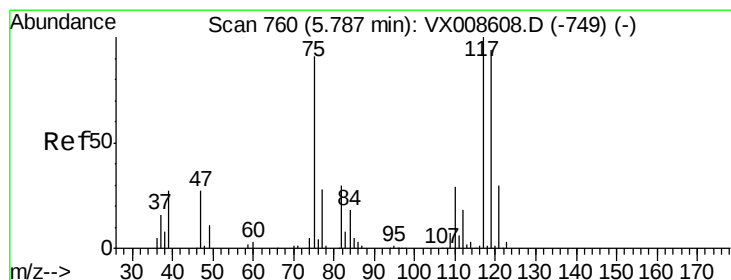
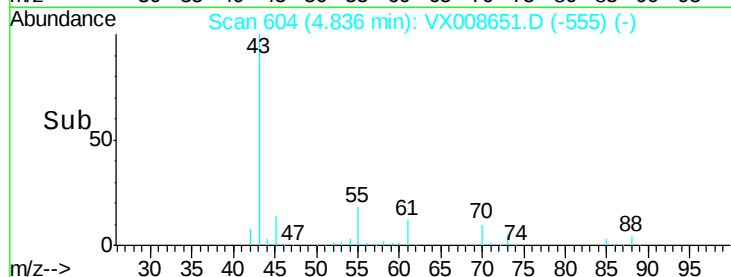
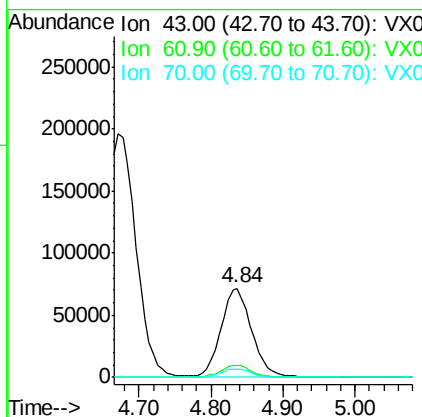
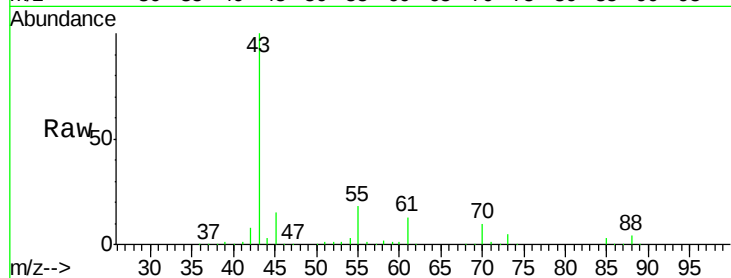
#37  
Ethyl Acetate  
Concen: 46.577 ug/l  
RT: 4.84 min Scan# 604  
Delta R.T. 0.00 min  
Lab File: VX008651.D  
Acq: 04 Apr 2019 21:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.3  | 10.3  | 15.5  |
| 70      | 9.6   | 7.6   | 11.4  |

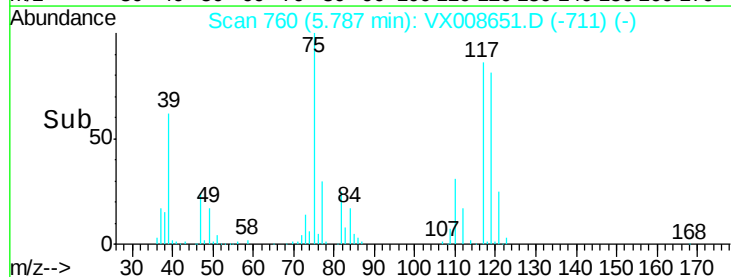
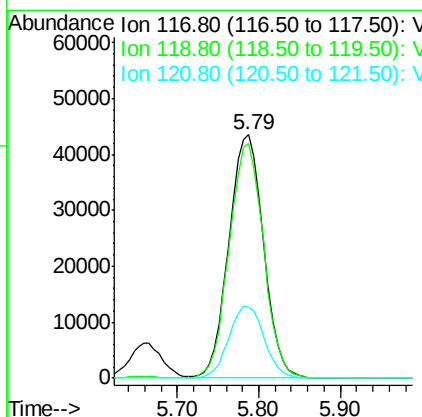
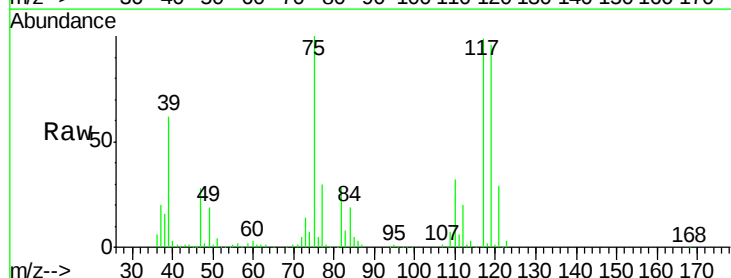
Manual Integrations  
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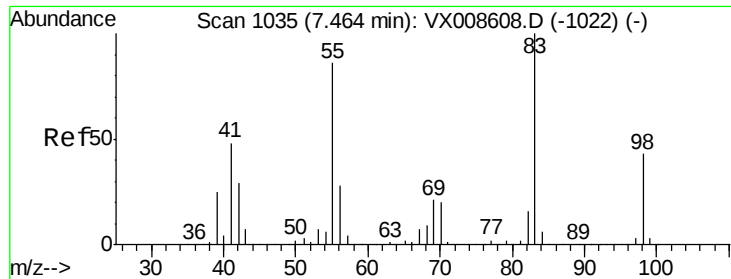
MMDadoda  
4/5/2019 10:53:46 AM



#38  
Carbon Tetrachloride  
Concen: 45.387 ug/l  
RT: 5.79 min Scan# 760  
Delta R.T. 0.00 min  
Lab File: VX008651.D  
Acq: 04 Apr 2019 21:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.1  | 75.0  | 112.6 |
| 121     | 29.3  | 24.3  | 36.5  |





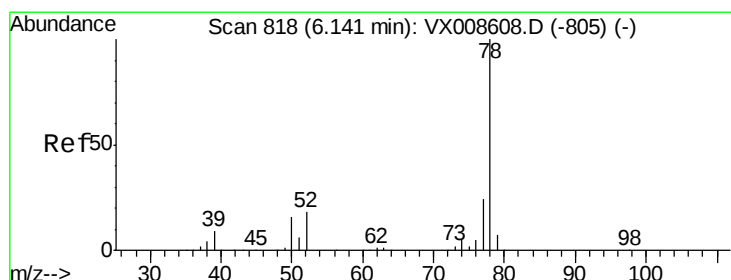
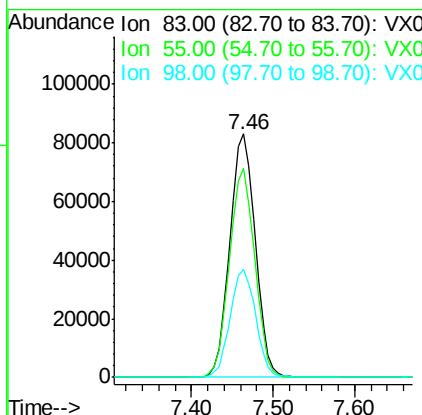
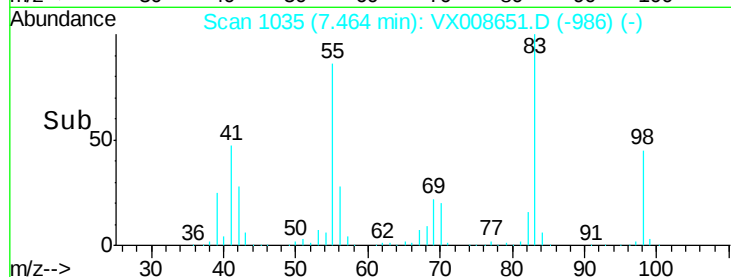
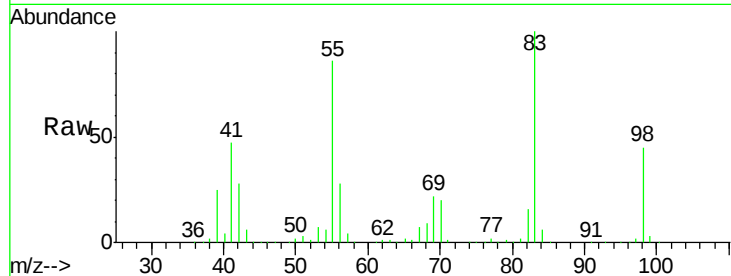
#39  
Methvlcvclohexane  
Concen: 42.468 ug/l  
RT: 7.46 min Scan# 1035  
Delta R.T. 0.00 min  
Lab File: VX008651.D  
Acq: 04 Apr 2019 21:33

Instrument :  
MSVOA\_X  
ClientSampled :  
VSTDCCC050

| Tot Ion | 83.00 | Resp  | 178470 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 83      | 100   |       |        |
| 55      | 86.0  | 69.0  | 103.6  |
| 98      | 44.5  | 34.4  | 51.6   |

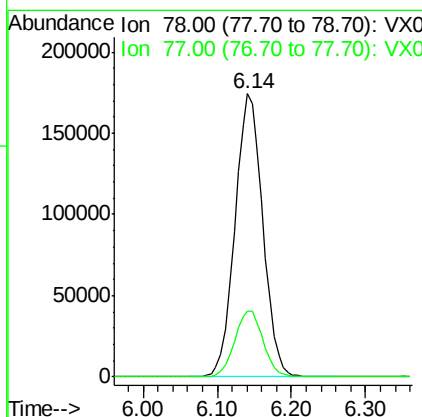
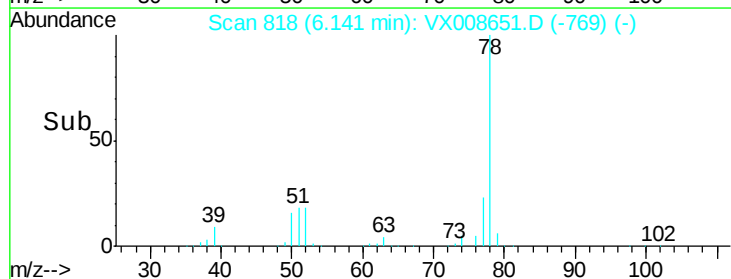
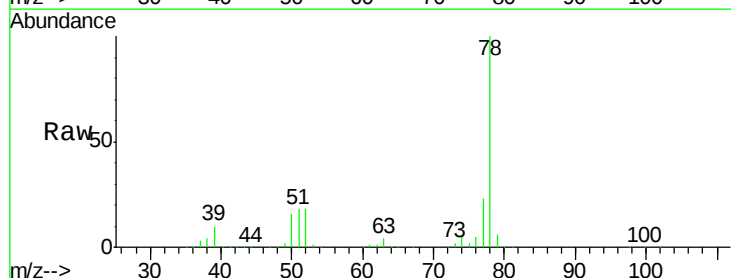
Manual Integrations  
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4/5/2019 10:53:46 AM



#40  
Benzene  
Concen: 44.965 ug/l  
RT: 6.14 min Scan# 818  
Delta R.T. 0.00 min  
Lab File: VX008651.D  
Acq: 04 Apr 2019 21:33

| Tgt Ion | 78    | Resp  | 455707 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 78      | 100   |       |        |
| 77      | 23.5  | 19.1  | 28.7   |





#41

Methacrylonitrile

Concen: 45.941 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX008651.D

Acq: 04 Apr 2019 21:33

Instrument :

MSVOA\_X

ClientSampled :

VSTDCCC050

Tot Ion: 41 Resp: 119912  
Ion Ratio Lower Upper

41 100

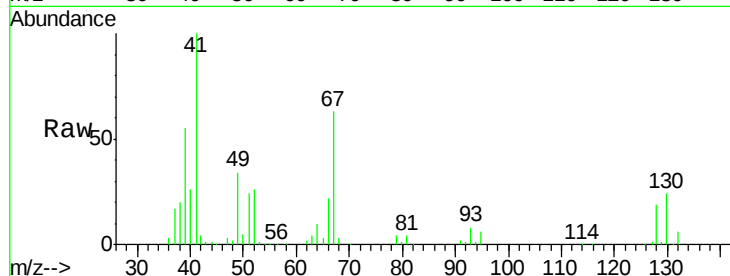
39 52.7 42.1 63.1

67 63.4 51.0 76.6

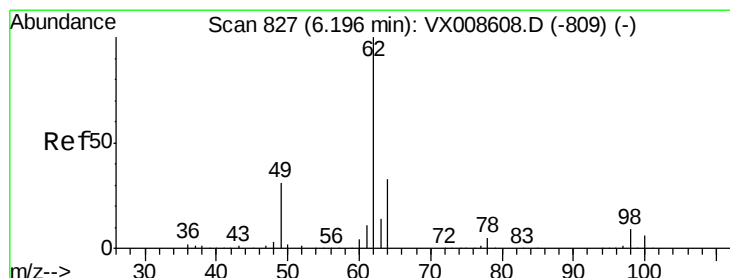
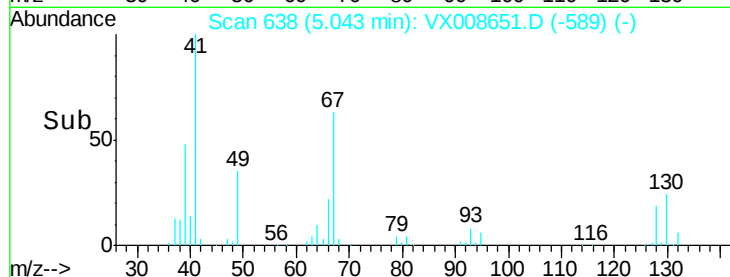
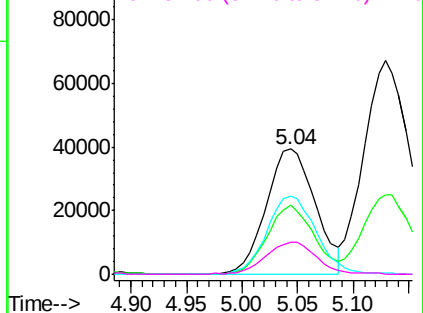
52 26.2 21.4 32.0

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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: 44.751 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.00 min

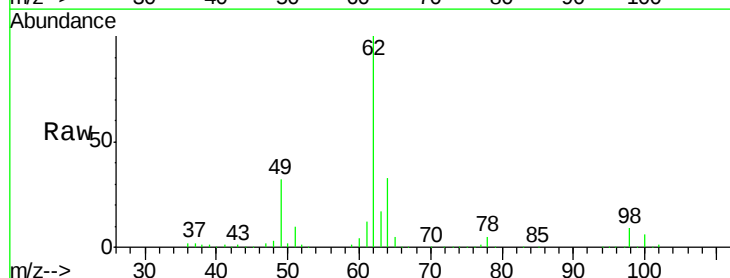
Lab File: VX008651.D

Acq: 04 Apr 2019 21:33

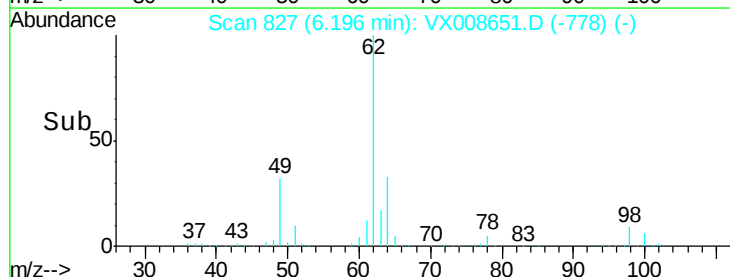
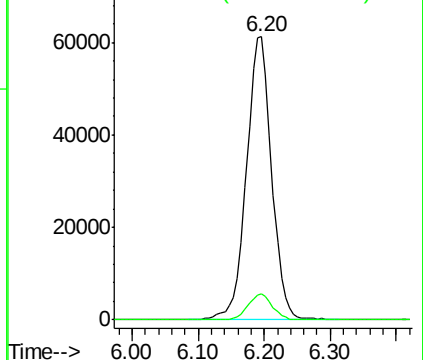
Tgt Ion: 62 Resp: 162593  
Ion Ratio Lower Upper

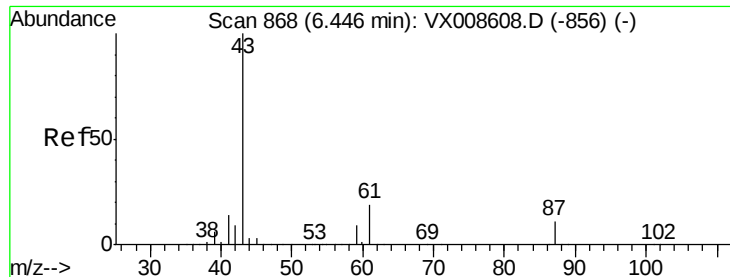
62 100

98 8.8 0.0 18.0



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





#43

Isopropyl Acetate

Concen: 47.167 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX008651.D

Acq: 04 Apr 2019 21:33

Instrument :

MSVOA\_X

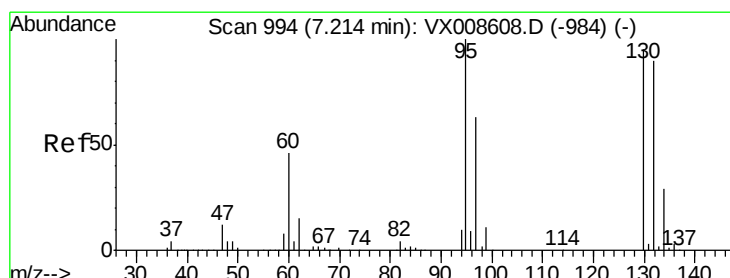
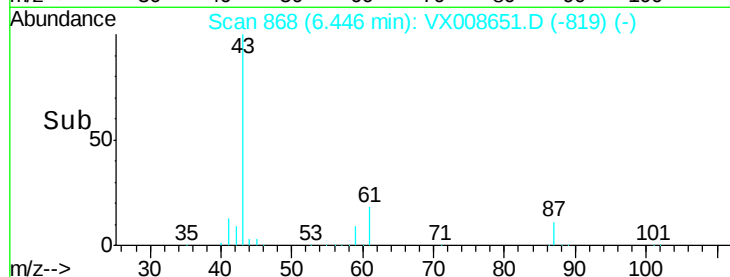
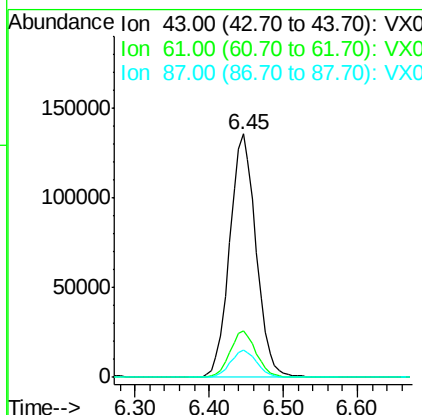
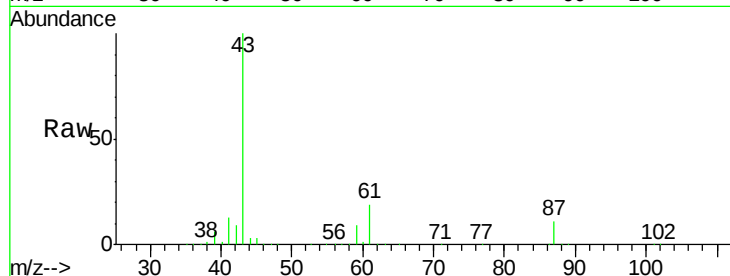
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 335508 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 19.0  | 15.3  | 22.9   |
| 87       | 11.3  | 9.0   | 13.6   |

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#44

Trichloroethene

Concen: 44.331 ug/l

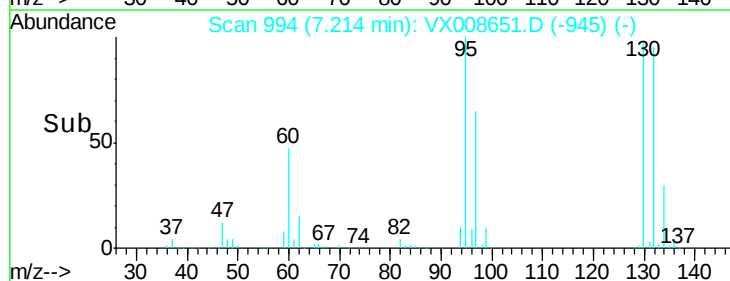
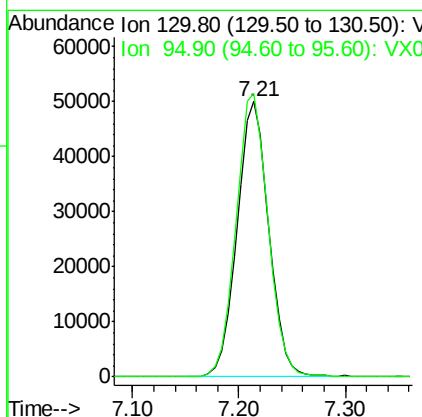
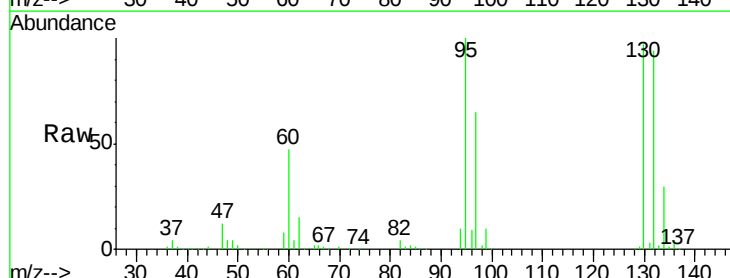
RT: 7.21 min Scan# 994

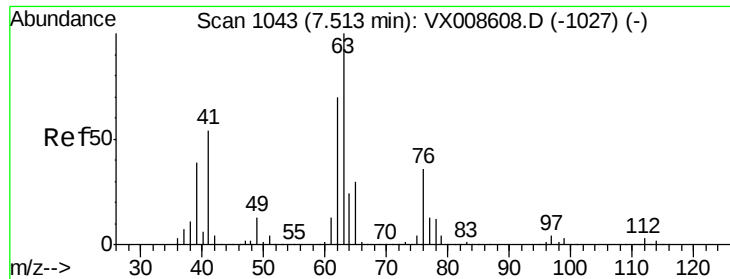
Delta R.T. 0.00 min

Lab File: VX008651.D

Acq: 04 Apr 2019 21:33

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 104641 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 102.7 | 0.0   | 209.8  |





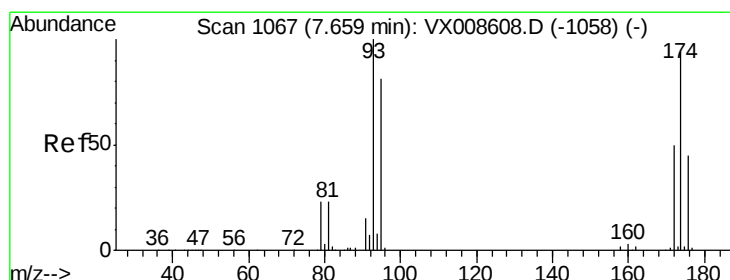
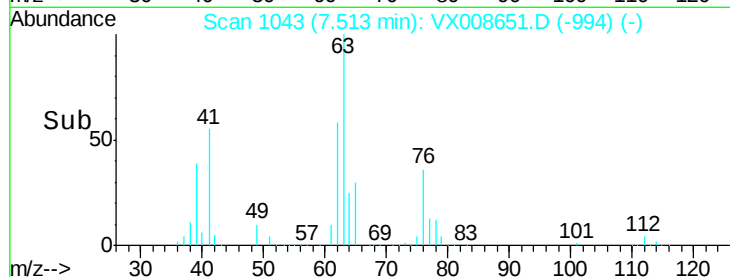
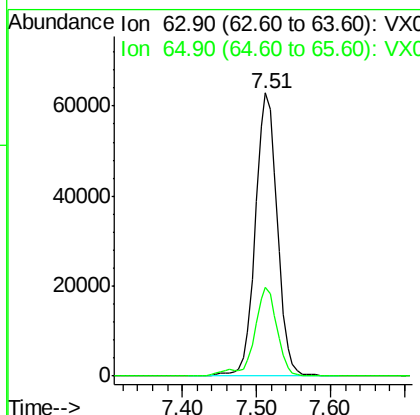
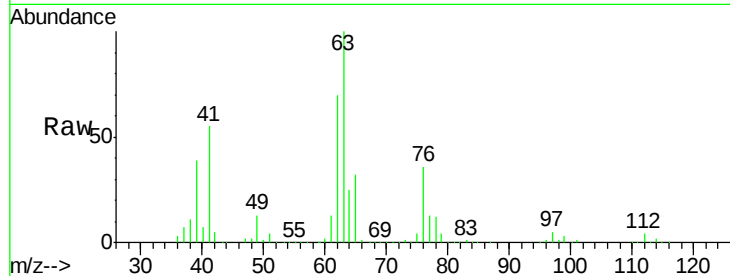
#45  
 1,2-Dichloropropane  
 Concen: 45.010 ug/l  
 RT: 7.51 min Scan# 1043  
 Delta R.T. 0.00 min  
 Lab File: VX008651.D  
 Acq: 04 Apr 2019 21:33

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 63 Resp: 130200  
 Ion Ratio Lower Upper  
 63 100  
 65 31.5 24.2 36.4

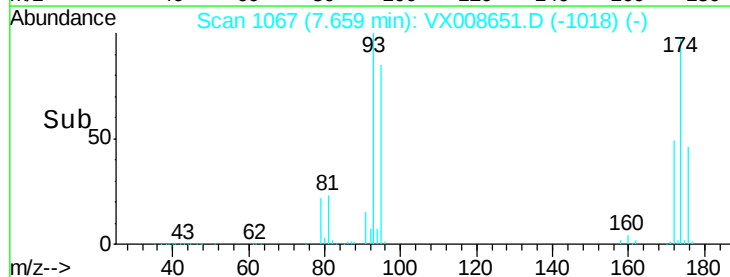
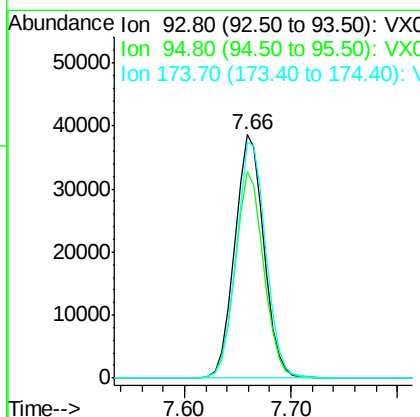
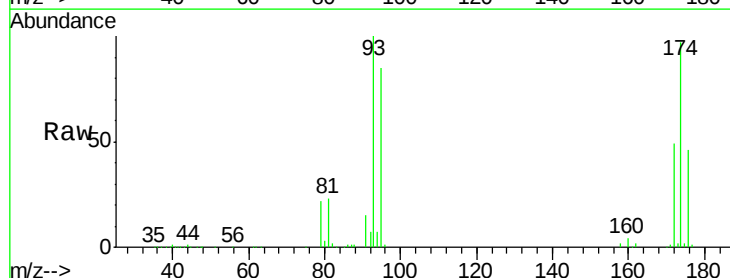
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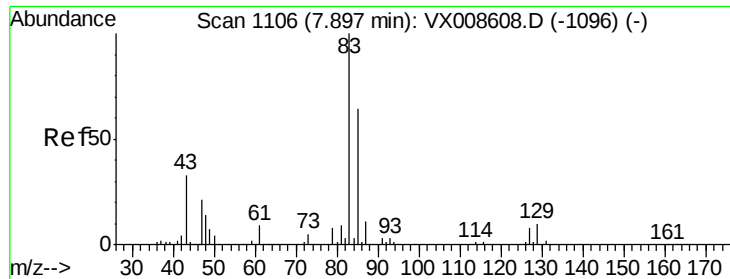
MMDadoda  
 4/5/2019 10:53:46 AM



#46  
 Dibromomethane  
 Concen: 44.227 ug/l  
 RT: 7.66 min Scan# 1067  
 Delta R.T. -0.00 min  
 Lab File: VX008651.D  
 Acq: 04 Apr 2019 21:33

Tgt Ion: 93 Resp: 74201  
 Ion Ratio Lower Upper  
 93 100  
 95 83.6 66.6 99.8  
 174 98.2 77.7 116.5





#47

Bromodichloromethane

Concen: 46.267 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008651.D

Acq: 04 Apr 2019 21:33

Instrument :

MSVOA\_X

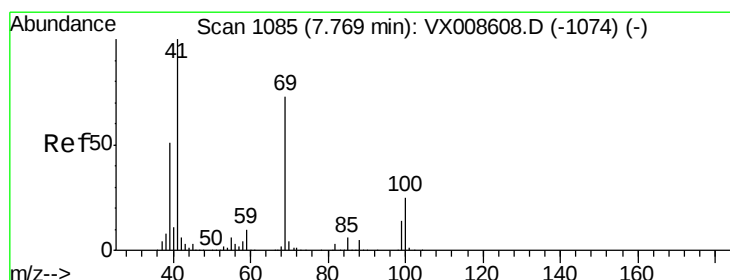
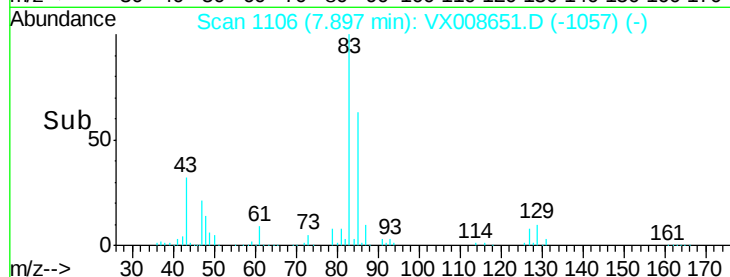
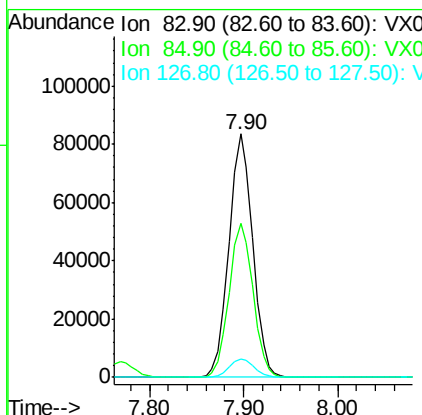
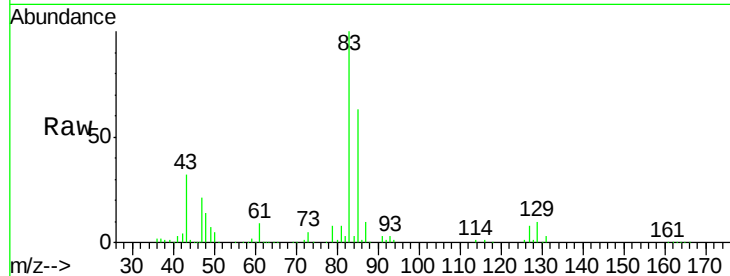
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 146358 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 63.0  | 51.2  | 76.8   |
| 127       | 7.7   | 6.6   | 10.0   |

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#48

Methyl methacrylate

Concen: 47.452 ug/l

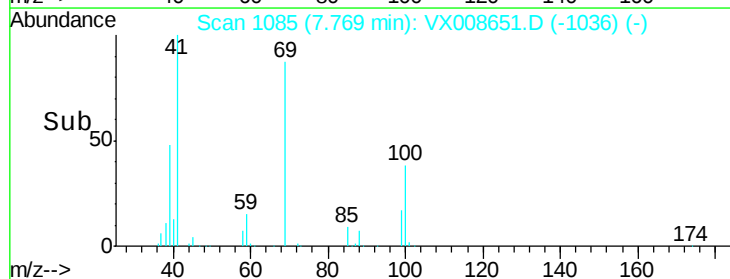
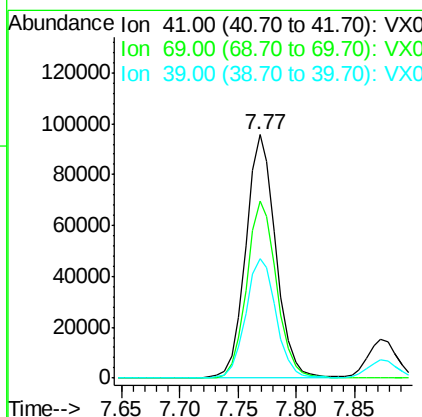
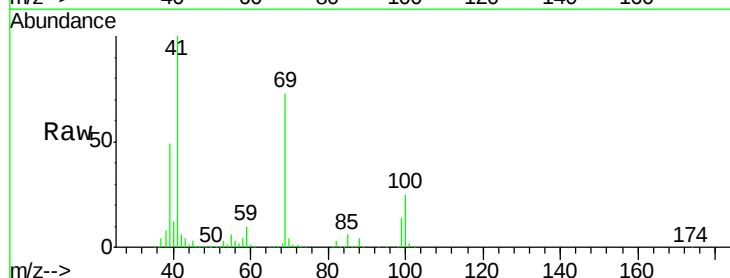
RT: 7.77 min Scan# 1085

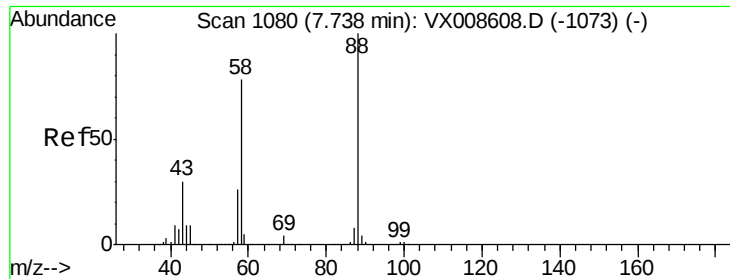
Delta R.T. 0.00 min

Lab File: VX008651.D

Acq: 04 Apr 2019 21:33

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 170744 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 73.1  | 59.0  | 88.4   |
| 39        | 49.8  | 41.0  | 61.4   |





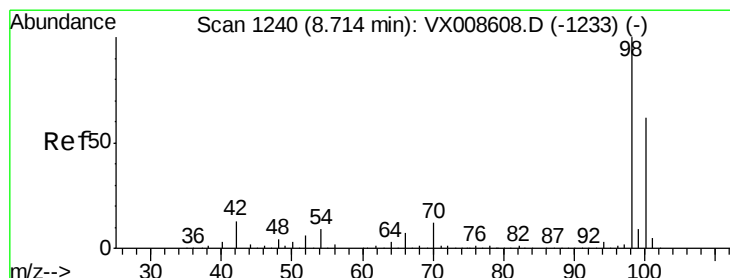
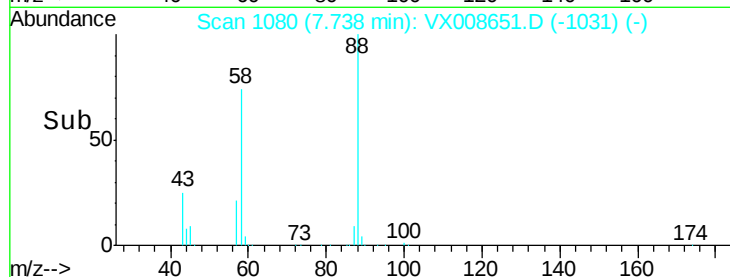
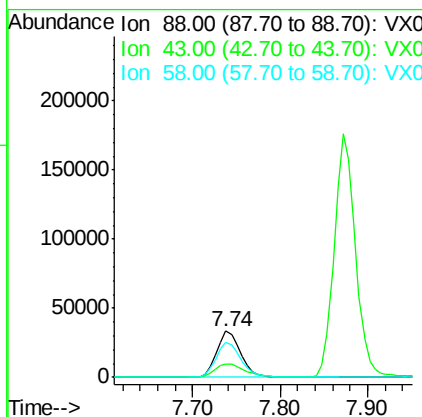
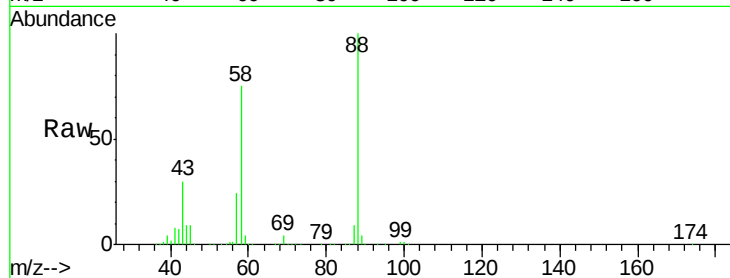
#49  
 1,4-Dioxane  
 Concen: 948.990 ug/l  
 RT: 7.74 min Scan# 1080  
 Delta R.T. 0.00 min  
 Lab File: VX008651.D  
 Acq: 04 Apr 2019 21:33

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 35.7  | 28.6  | 43.0  |
| 58      | 78.6  | 62.2  | 93.2  |

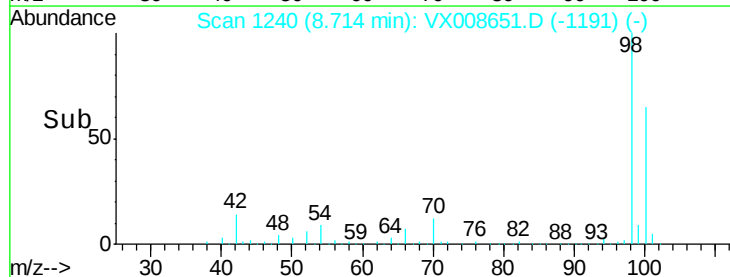
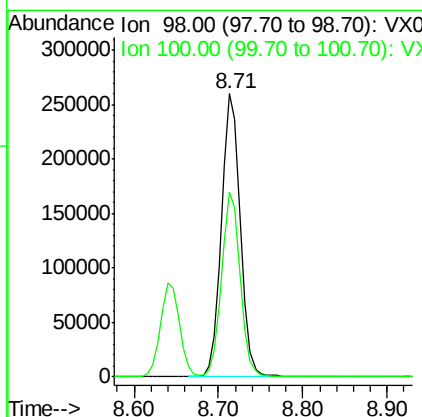
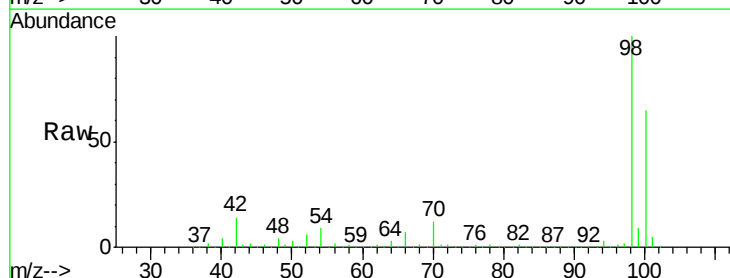
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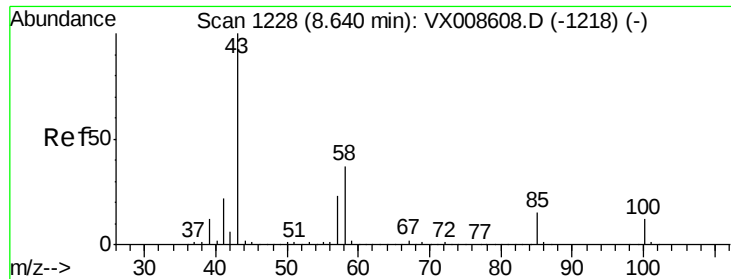
MMDadoda  
 4/5/2019 10:53:46 AM



#50  
 Toluene-d8  
 Concen: 50.896 ug/l  
 RT: 8.71 min Scan# 1240  
 Delta R.T. 0.00 min  
 Lab File: VX008651.D  
 Acq: 04 Apr 2019 21:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.7  | 51.4  | 77.0  |





#51

4-Methyl-2-Pentanone

Concen: 242.804 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX008651.D

Acq: 04 Apr 2019 21:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1111815

Ion Ratio Lower Upper

43 100

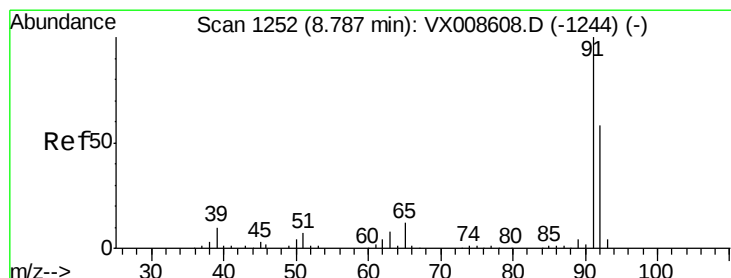
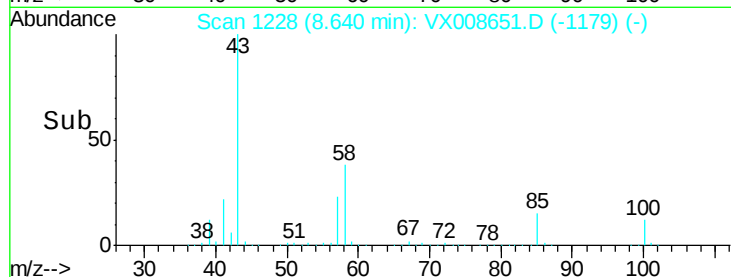
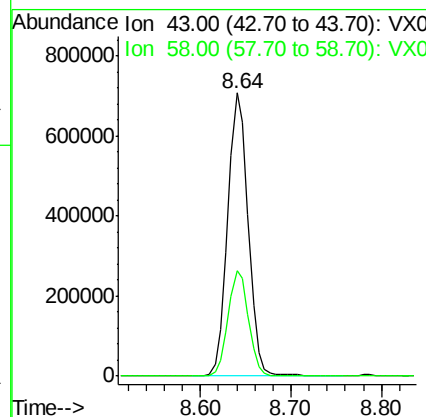
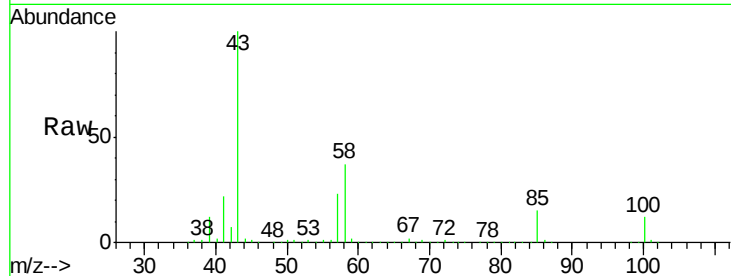
58 37.1 29.5 44.3

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#52

Toluene

Concen: 45.913 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX008651.D

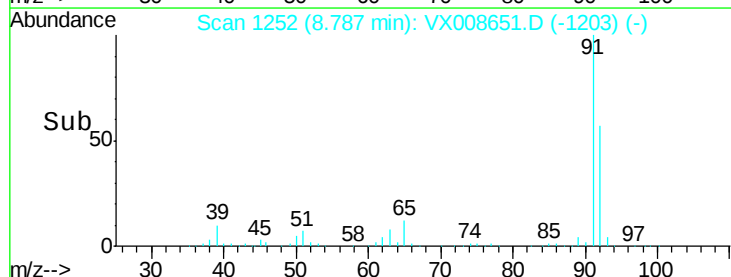
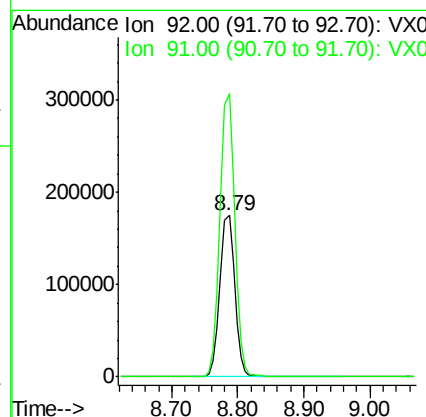
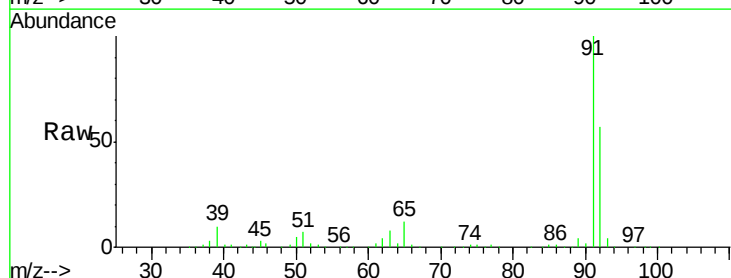
Acq: 04 Apr 2019 21:33

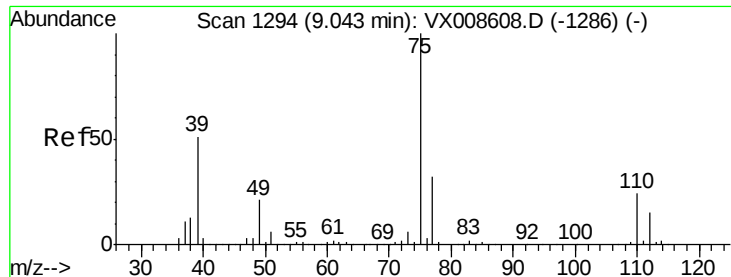
Tgt Ion: 92 Resp: 274330

Ion Ratio Lower Upper

92 100

91 174.0 138.5 207.7





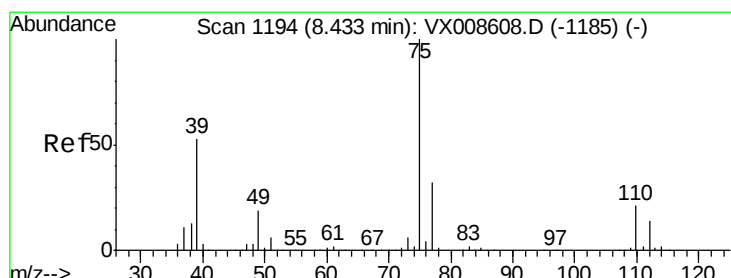
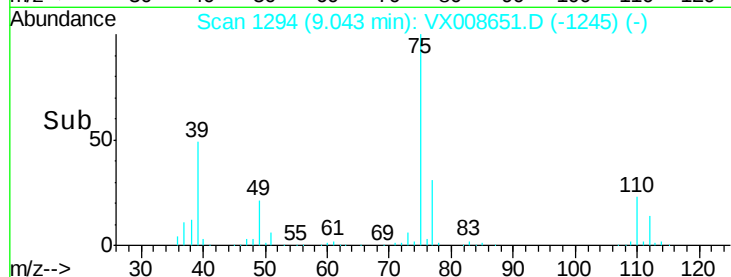
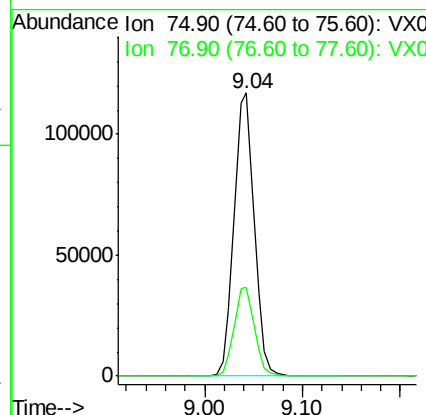
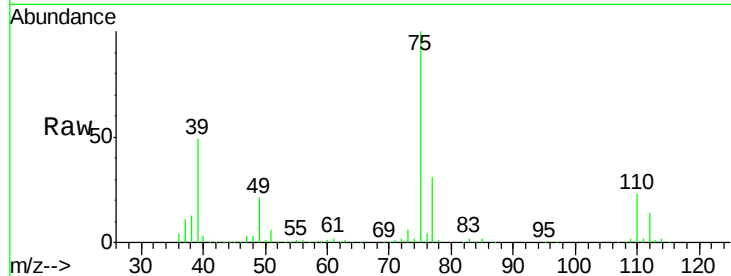
#53  
t-1,3-Dichloropropene  
Concen: 47.592 ug/l  
RT: 9.04 min Scan# 1294  
Delta R.T. 0.00 min  
Lab File: VX008651.D  
Acq: 04 Apr 2019 21:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tot Ion: 75 Resp: 168642  
Ion Ratio Lower Upper  
75 100  
77 31.5 25.2 37.8

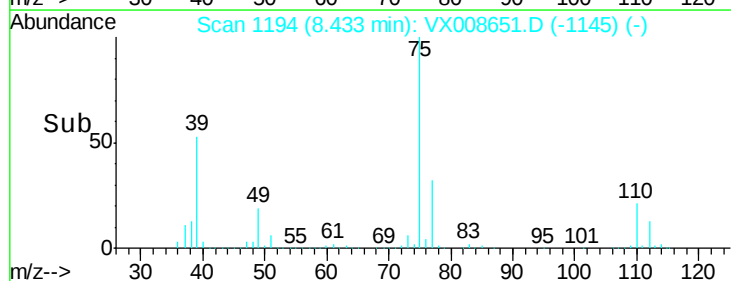
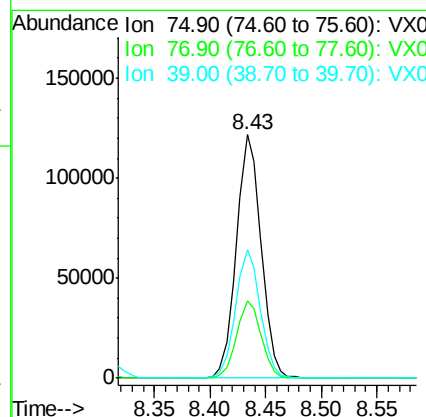
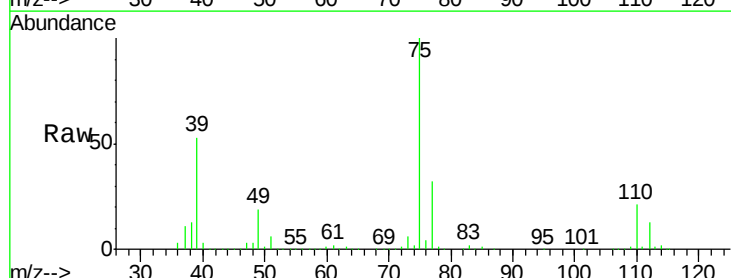
Manual Integrations  
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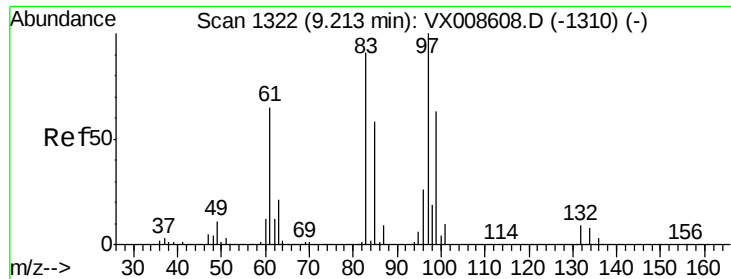
MMDadoda  
4/5/2019 10:53:46 AM



#54  
cis-1,3-Dichloropropene  
Concen: 46.286 ug/l  
RT: 8.43 min Scan# 1194  
Delta R.T. 0.00 min  
Lab File: VX008651.D  
Acq: 04 Apr 2019 21:33

Tgt Ion: 75 Resp: 187408  
Ion Ratio Lower Upper  
75 100  
77 31.6 25.3 37.9  
39 52.8 42.6 63.8





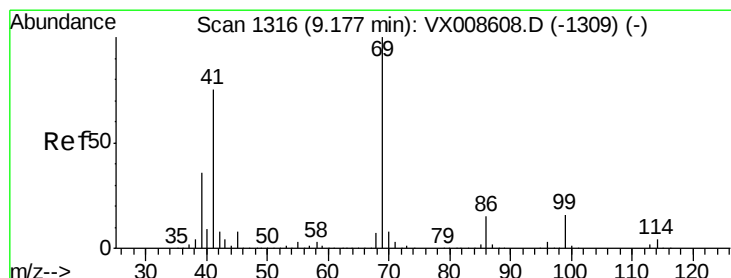
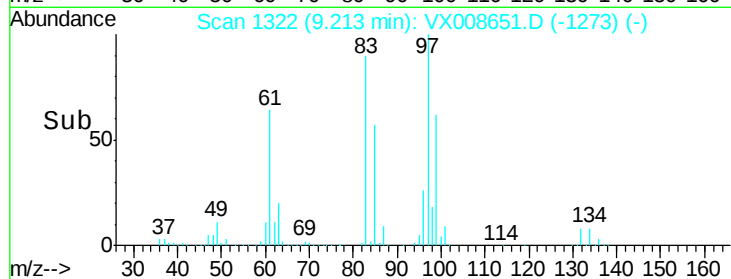
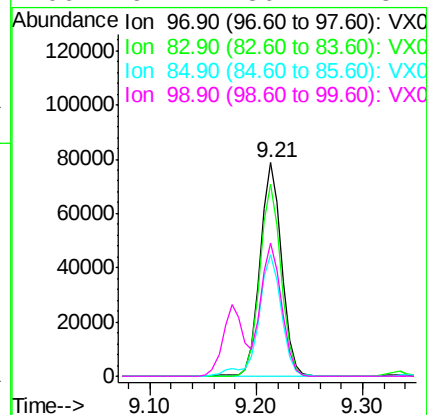
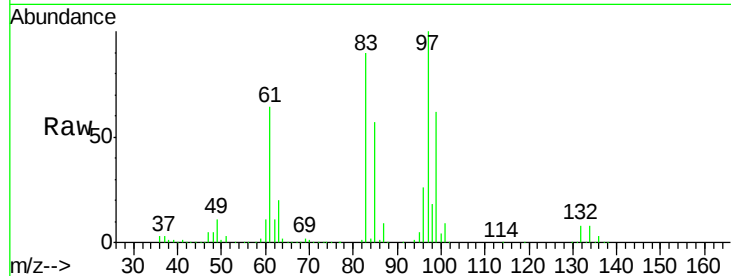
#55  
 1,1,2-Trichloroethane  
 Concen: 46.731 ug/l  
 RT: 9.21 min Scan# 1322  
 Delta R.T. 0.00 min  
 Lab File: VX008651.D  
 Acq: 04 Apr 2019 21:33

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 112079 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 90.1  | 73.2  | 109.8  |
| 85       | 56.8  | 46.6  | 69.8   |
| 99       | 62.4  | 50.1  | 75.1   |

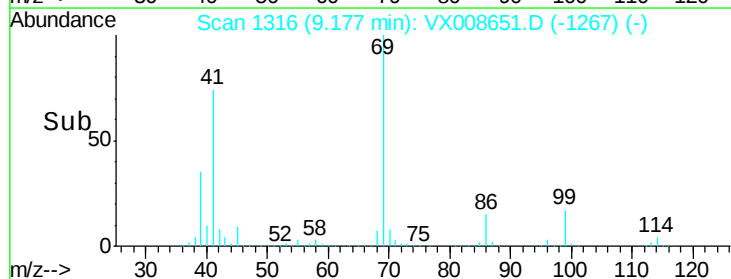
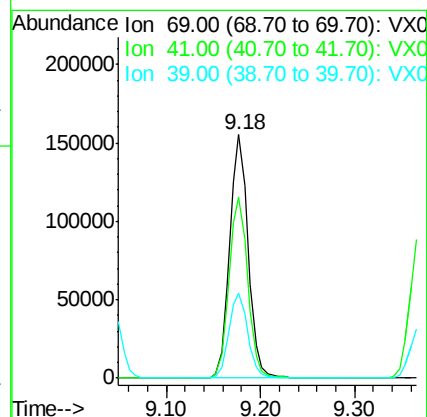
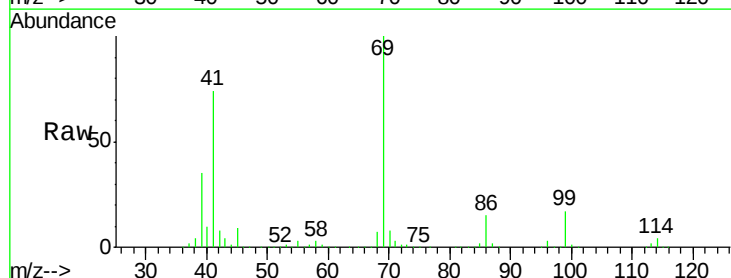
Manual Integrations  
 APPROVED

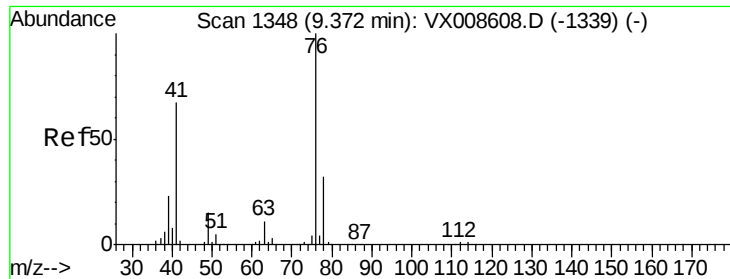
MMDadoda  
 4/5/2019 10:53:46 AM



#56  
 Ethyl methacrylate  
 Concen: 48.808 ug/l  
 RT: 9.18 min Scan# 1316  
 Delta R.T. 0.00 min  
 Lab File: VX008651.D  
 Acq: 04 Apr 2019 21:33

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 211800 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 75.1  | 60.1  | 90.1   |
| 39       | 35.2  | 28.9  | 43.3   |





#57

1,3-Dichloropropane

Concen: 46.049 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX008651.D

Acq: 04 Apr 2019 21:33

Instrument :

MSVOA\_X

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 198319

Ion Ratio Lower Upper

76 100

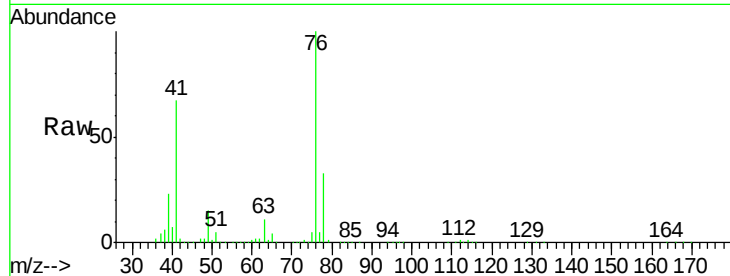
78 32.4 25.6 38.4

Manual Integrations

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4/5/2019 10:53:46 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

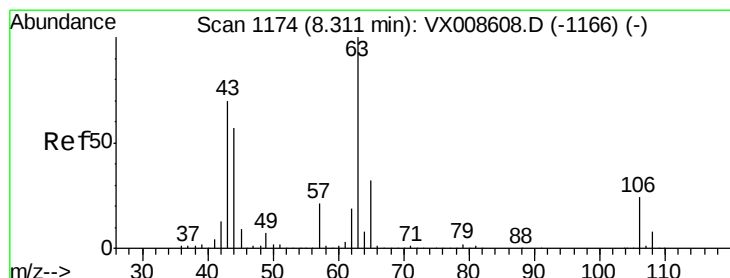
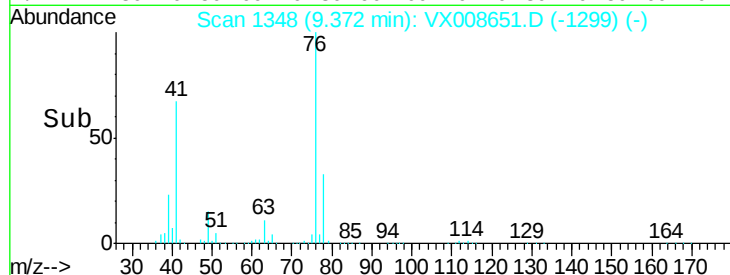
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 250.048 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX008651.D

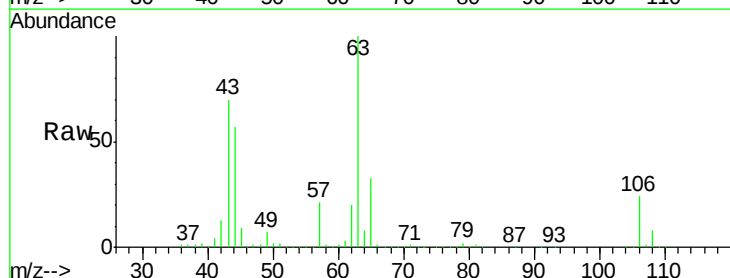
Acq: 04 Apr 2019 21:33

Tgt Ion: 63 Resp: 554058

Ion Ratio Lower Upper

63 100

106 24.1 19.0 28.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

400000

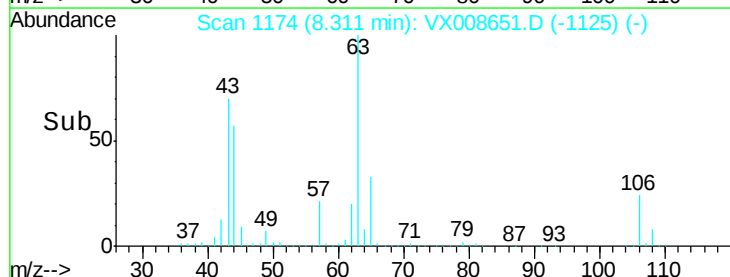
300000

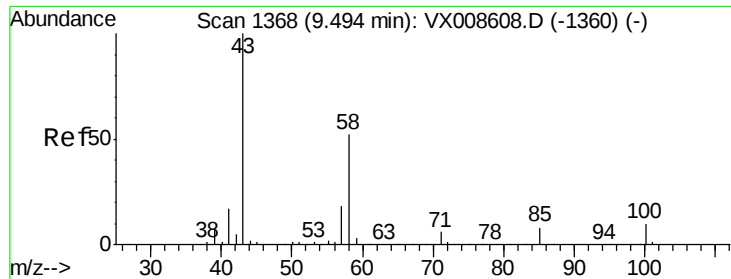
200000

100000

0

Time-->





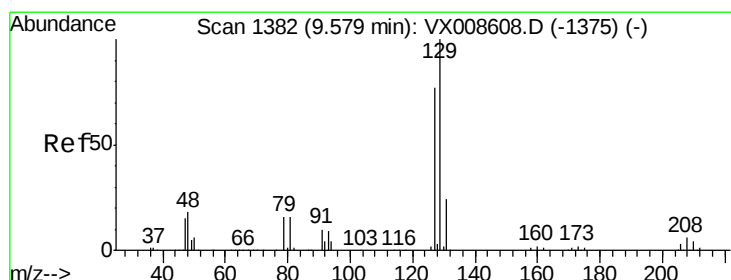
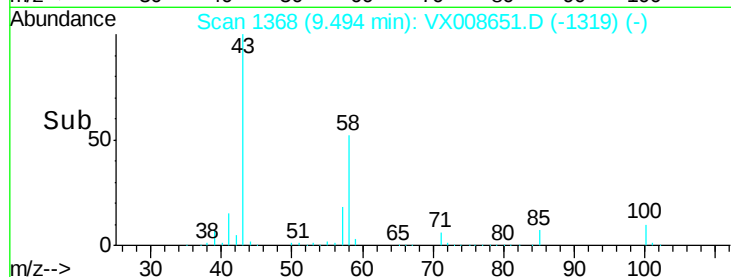
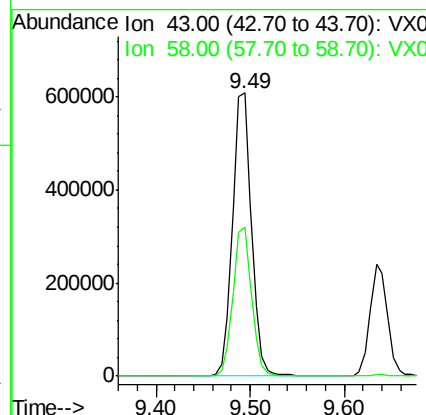
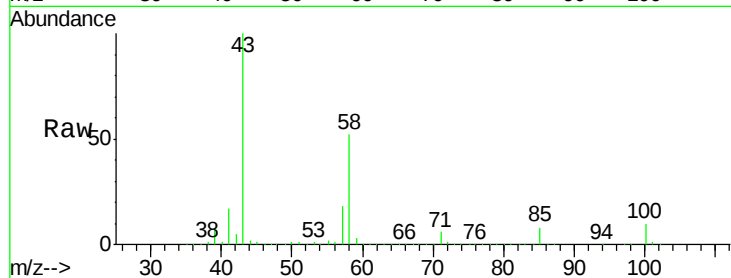
#59  
2-Hexanone  
Concen: 239.090 ug/l  
RT: 9.49 min Scan# 1368  
Delta R.T. 0.00 min  
Lab File: VX008651.D  
Acq: 04 Apr 2019 21:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tot Ion: 43 Resp: 850827  
Ion Ratio Lower Upper  
43 100  
58 52.2 25.9 77.7

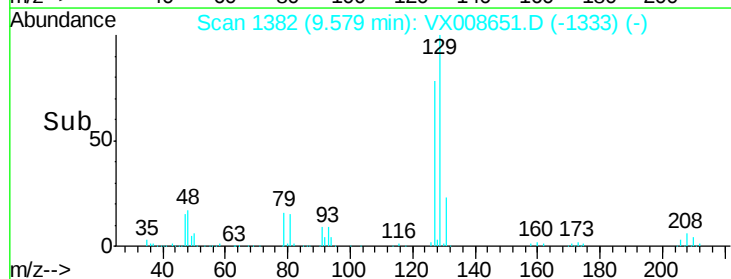
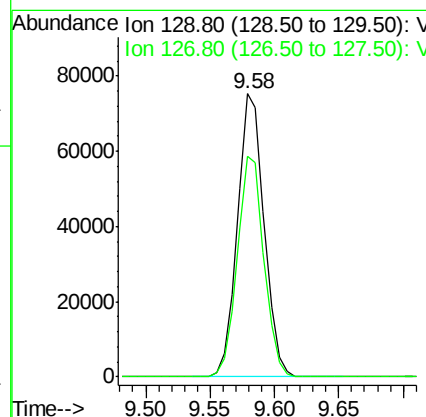
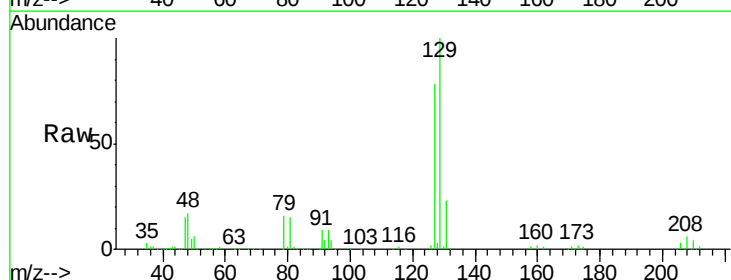
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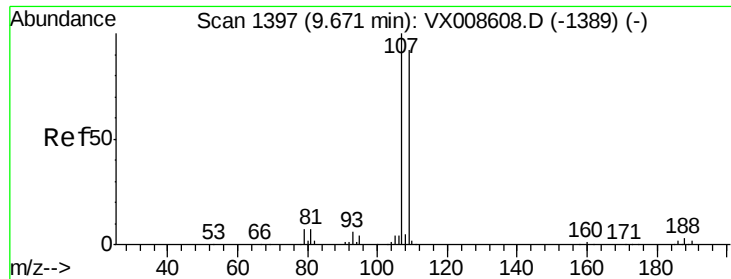
MMDadoda  
4/5/2019 10:53:46 AM



#60  
Dibromochloromethane  
Concen: 48.080 ug/l  
RT: 9.58 min Scan# 1382  
Delta R.T. 0.00 min  
Lab File: VX008651.D  
Acq: 04 Apr 2019 21:33

Tgt Ion: 129 Resp: 108663  
Ion Ratio Lower Upper  
129 100  
127 77.9 38.5 115.3





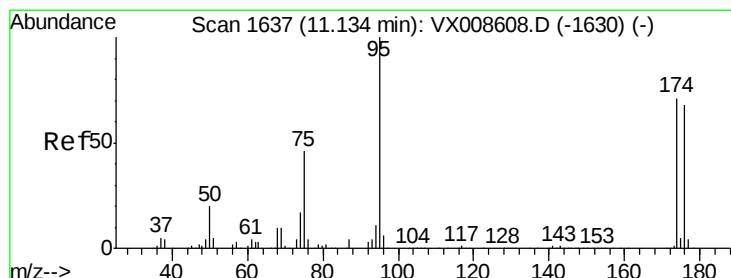
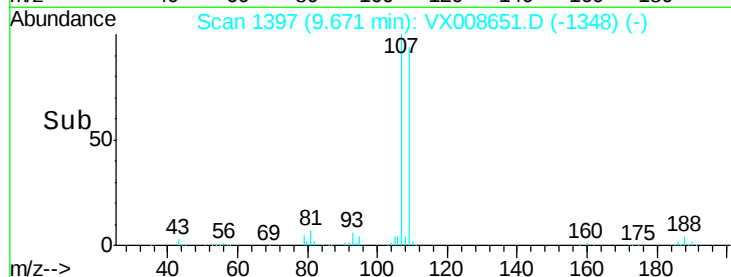
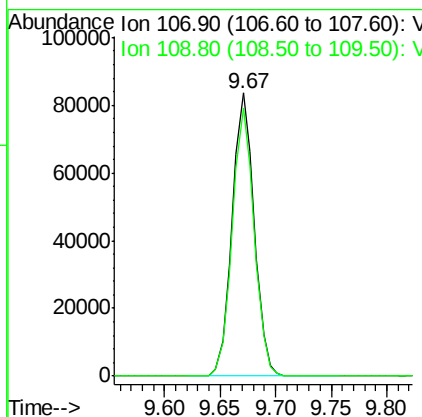
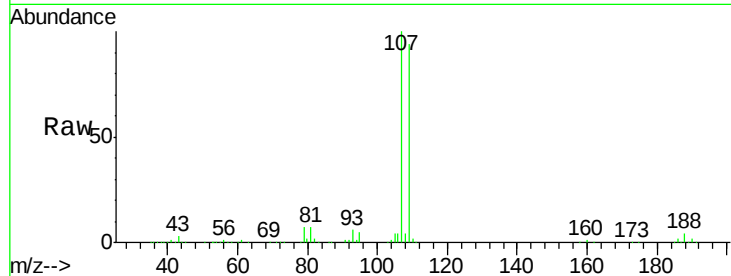
#61  
 1,2-Dibromoethane  
 Concen: 45.836 ug/l  
 RT: 9.67 min Scan# 1397  
 Delta R.T. -0.00 min  
 Lab File: VX008651.D  
 Acq: 04 Apr 2019 21:33

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 94.2  | 74.1  | 111.1 |

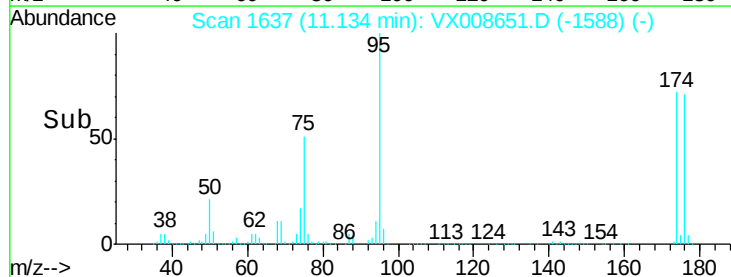
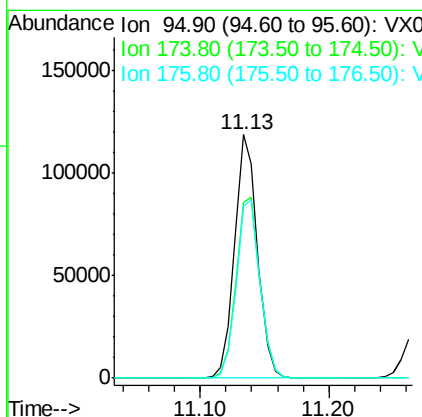
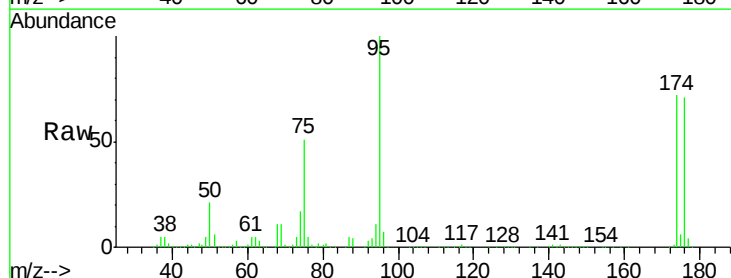
Manual Integrations  
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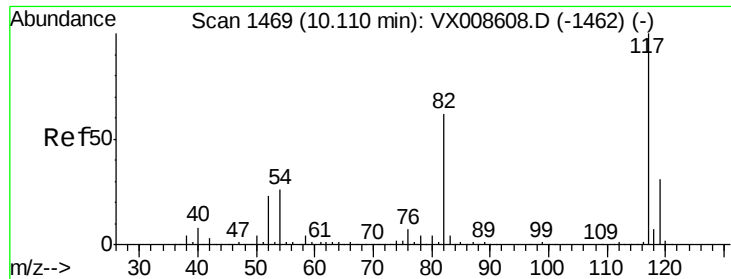
MMDadoda  
 4/5/2019 10:53:46 AM



#62  
 4-Bromofluorobenzene  
 Concen: 52.363 ug/l  
 RT: 11.13 min Scan# 1637  
 Delta R.T. 0.00 min  
 Lab File: VX008651.D  
 Acq: 04 Apr 2019 21:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 77.5  | 0.0   | 151.8 |
| 176     | 75.8  | 0.0   | 145.8 |





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008651.D

Acq: 04 Apr 2019 21:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion:117 Resp: 277399

Ion Ratio Lower Upper

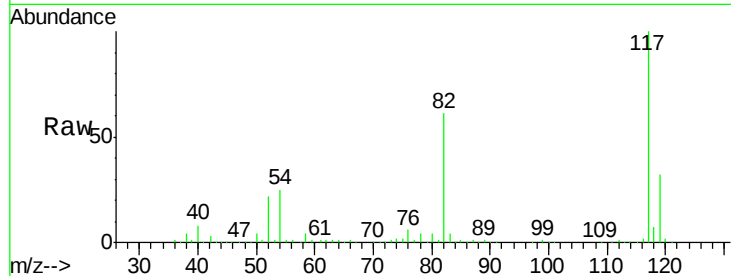
117 100

82 61.5 49.6 74.4

119 31.7 25.0 37.4

Manual Integrations  
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MMDadoda  
4/5/2019 10:53:46 AM

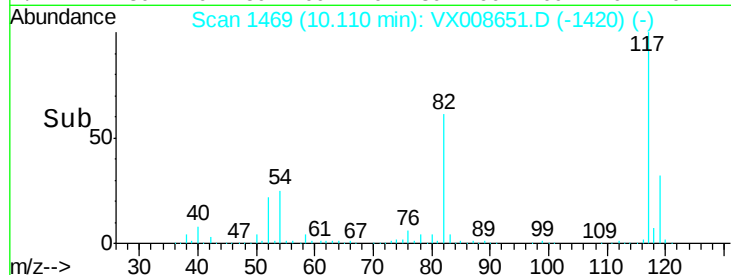


Abundance Ion 116.90 (116.60 to 117.60): V

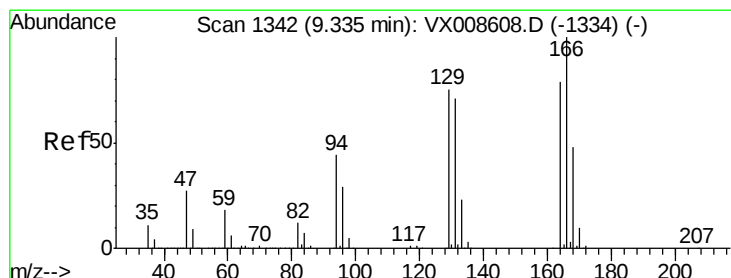
Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

Time-->



Time-->



#64

Tetrachloroethene

Concen: 43.808 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX008651.D

Acq: 04 Apr 2019 21:33

Tgt Ion:164 Resp: 90035

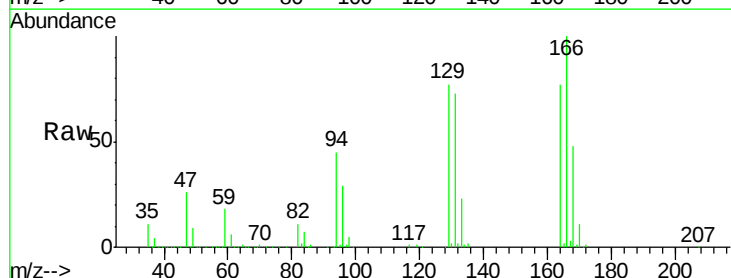
Ion Ratio Lower Upper

164 100

166 130.0 101.0 151.6

129 99.8 75.8 113.8

131 94.5 71.8 107.8



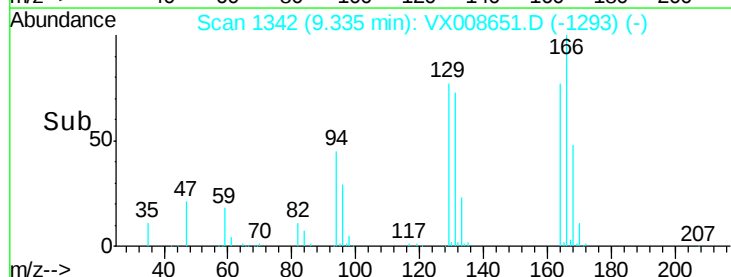
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

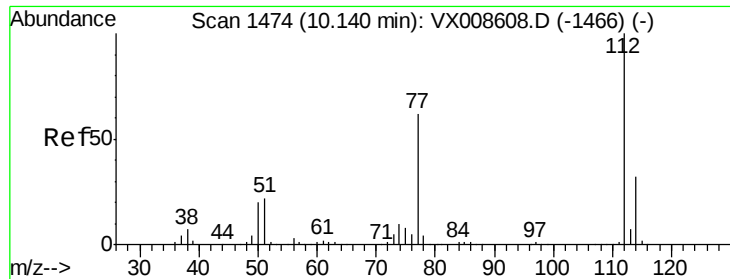
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

Time-->



Time-->



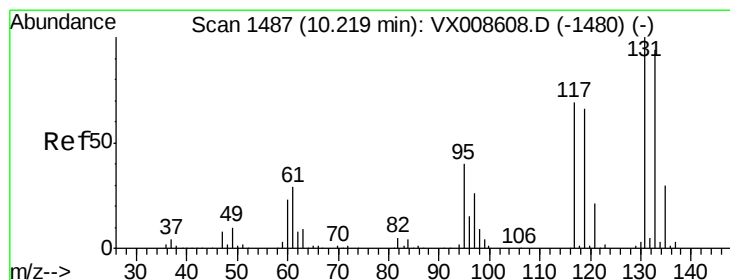
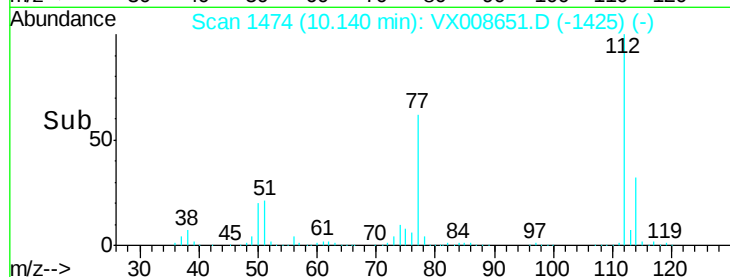
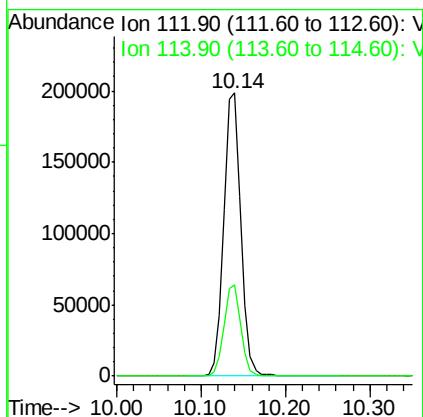
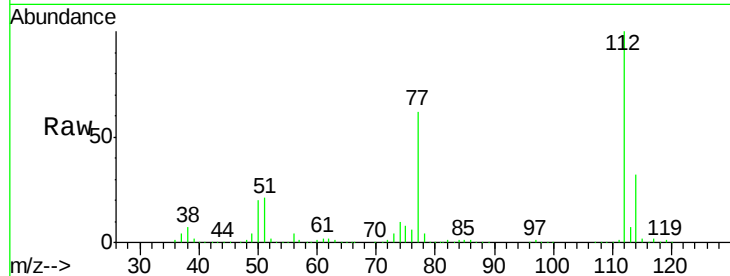
#65  
Chlorobenzene  
Concen: 45.346 ug/l  
RT: 10.14 min Scan# 1474  
Delta R.T. 0.00 min  
Lab File: VX008651.D  
Acq: 04 Apr 2019 21:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tot Ion:112 Resp: 278833  
Ion Ratio Lower Upper  
112 100  
114 32.2 25.8 38.8

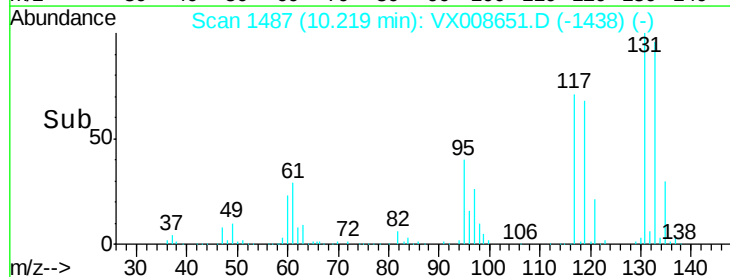
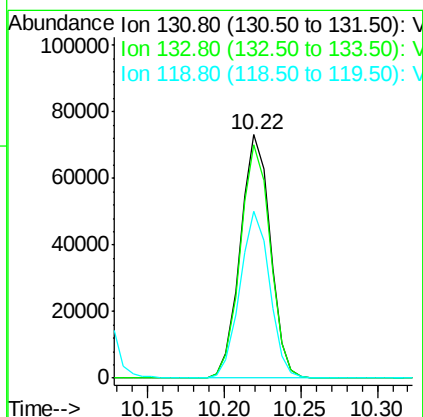
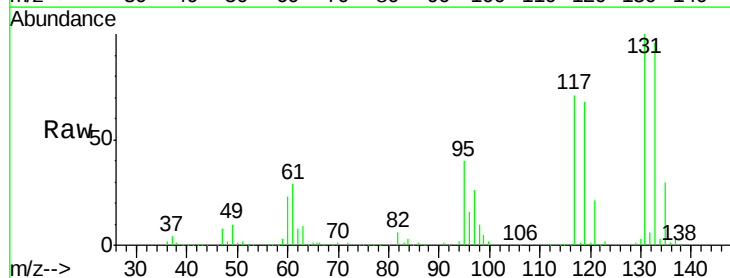
Manual Integrations  
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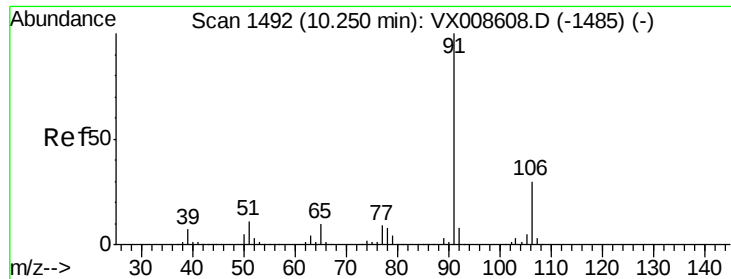
MMDadoda  
4/5/2019 10:53:46 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 46.120 ug/l  
RT: 10.22 min Scan# 1487  
Delta R.T. 0.00 min  
Lab File: VX008651.D  
Acq: 04 Apr 2019 21:33

Tgt Ion:131 Resp: 99490  
Ion Ratio Lower Upper  
131 100  
133 95.9 47.0 141.2  
119 67.8 33.7 101.0





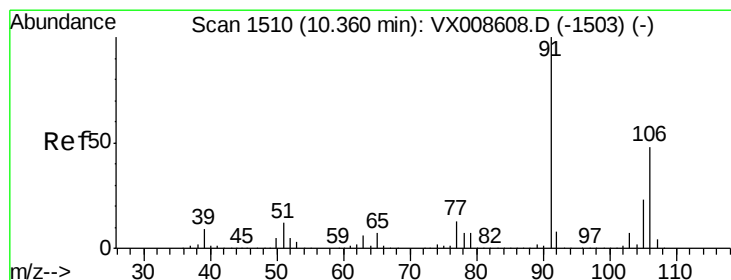
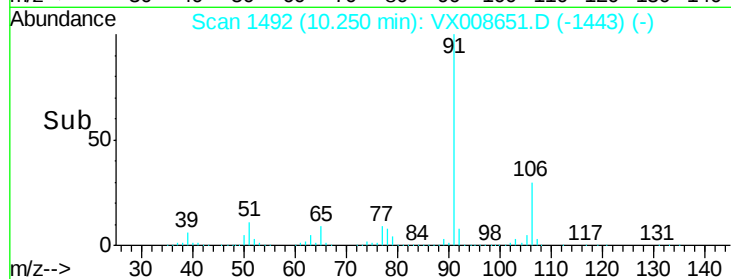
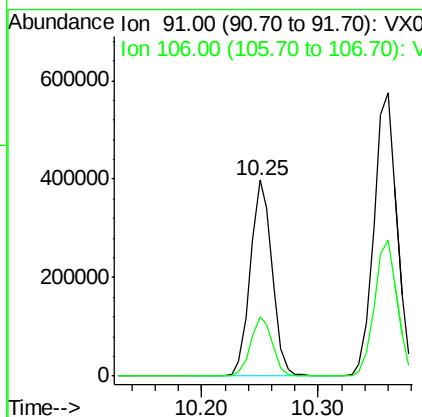
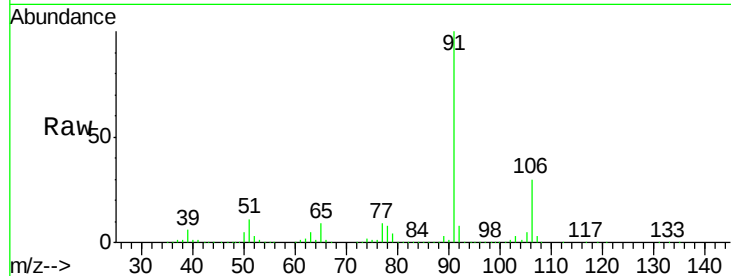
#67  
Ethyl Benzene  
Concen: 45.596 ug/l  
RT: 10.25 min Scan# 1492  
Delta R.T. 0.00 min  
Lab File: VX008651.D  
Acq: 04 Apr 2019 21:33

Instrument :  
MSVOA\_X  
ClientSampled :  
VSTDCCC050

Tot Ion: 91 Resp: 522805  
Ion Ratio Lower Upper  
91 100  
106 30.1 23.7 35.5

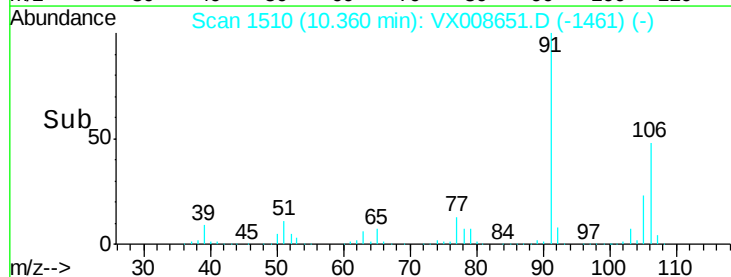
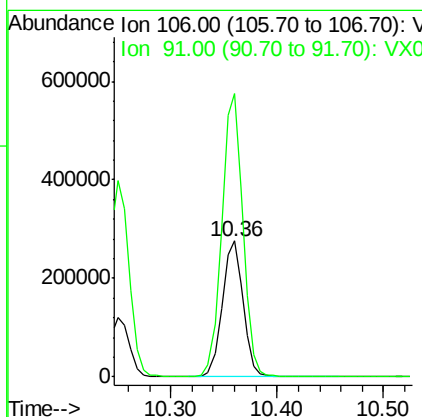
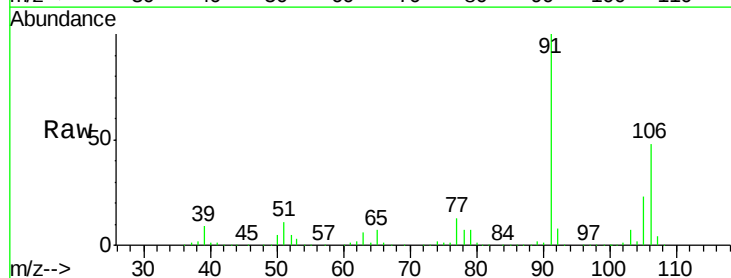
Manual Integrations  
APPROVED

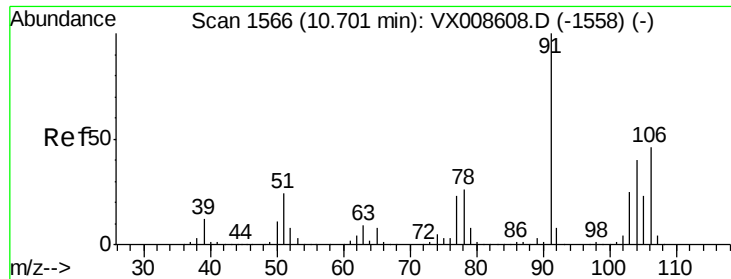
MMDadoda  
4/5/2019 10:53:46 AM



#68  
m/p-Xylenes  
Concen: 91.539 ug/l  
RT: 10.36 min Scan# 1510  
Delta R.T. 0.00 min  
Lab File: VX008651.D  
Acq: 04 Apr 2019 21:33

Tgt Ion: 106 Resp: 377384  
Ion Ratio Lower Upper  
106 100  
91 210.1 168.5 252.7





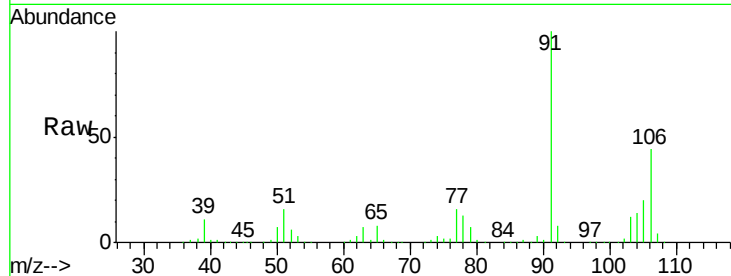
#69  
o-Xylene  
Concen: 46.011 ug/l  
RT: 10.69 min Scan# 1565  
Delta R.T. -0.01 min  
Lab File: VX008651.D  
Acq: 04 Apr 2019 21:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

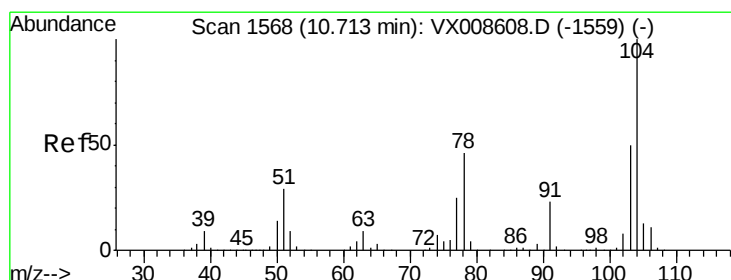
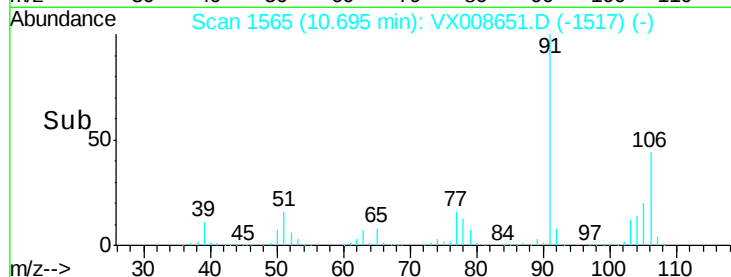
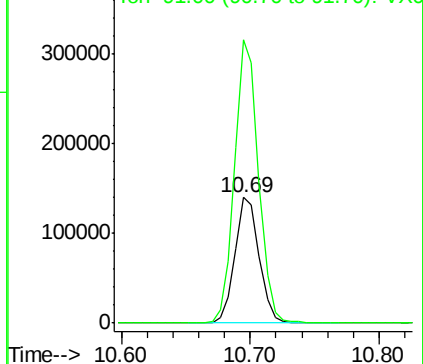
Tot Ion:106 Resp: 183830  
Ion Ratio Lower Upper  
106 100  
91 222.7 111.5 334.4

Manual Integrations  
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MMDadoda  
4/5/2019 10:53:46 AM

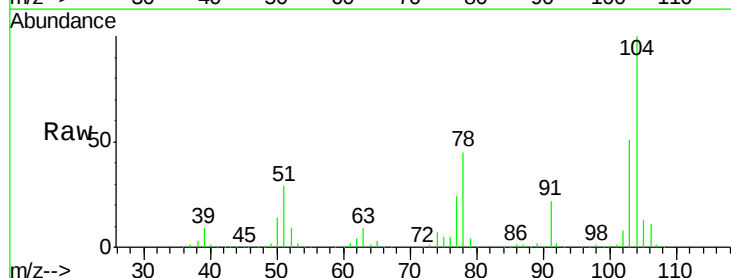


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VX0

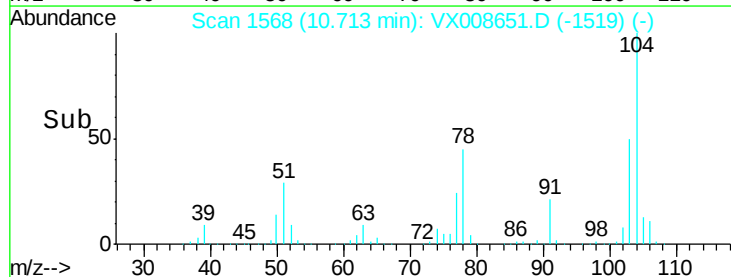
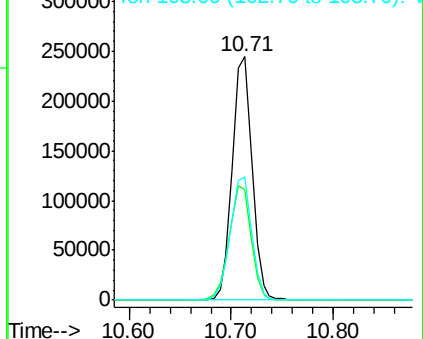


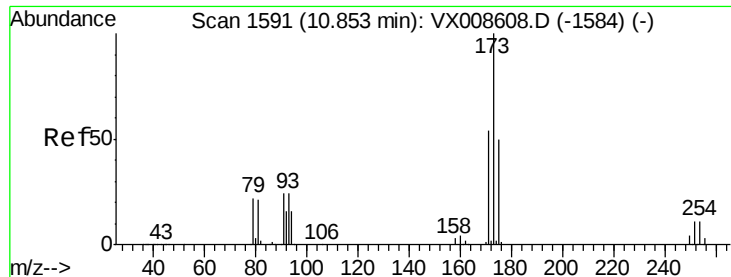
#70  
Styrene  
Concen: 47.491 ug/l  
RT: 10.71 min Scan# 1568  
Delta R.T. 0.00 min  
Lab File: VX008651.D  
Acq: 04 Apr 2019 21:33

Tgt Ion:104 Resp: 327066  
Ion Ratio Lower Upper  
104 100  
78 52.1 42.3 63.5  
103 55.0 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V  
Ion 78.00 (77.70 to 78.70): VX0  
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 48.708 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX008651.D

Acq: 04 Apr 2019 21:33

Instrument :

MSVOA\_X

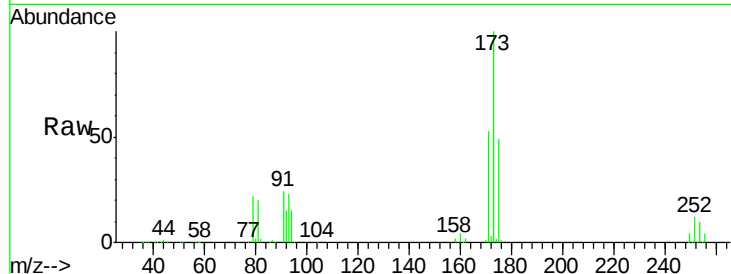
ClientSampleId :

VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.2  | 24.9  | 74.6  |
| 254     | 0.3   | 0.1   | 0.1#  |

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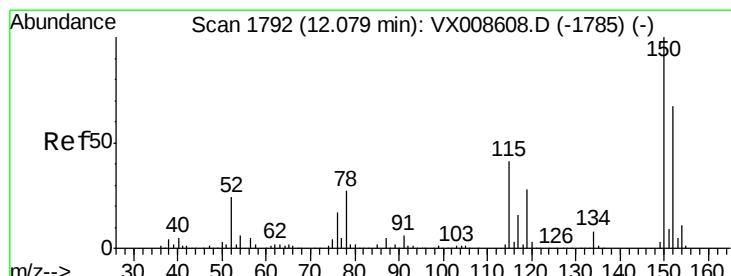
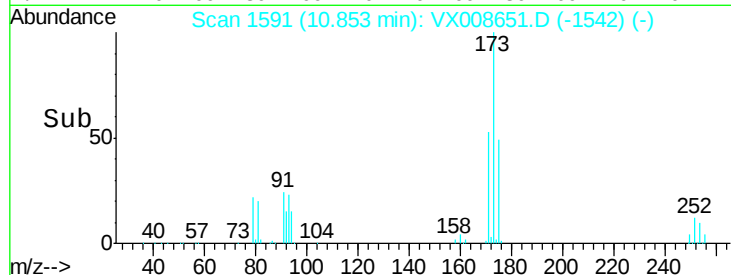
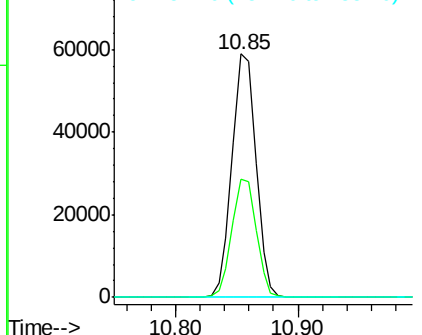


Abundance

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: VX008651.D

Acq: 04 Apr 2019 21:33

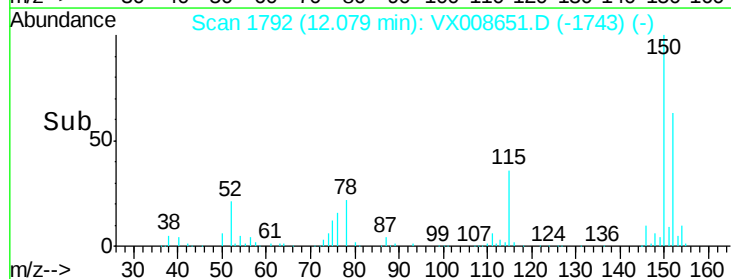
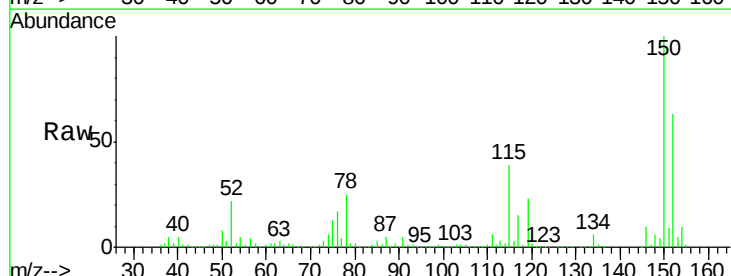
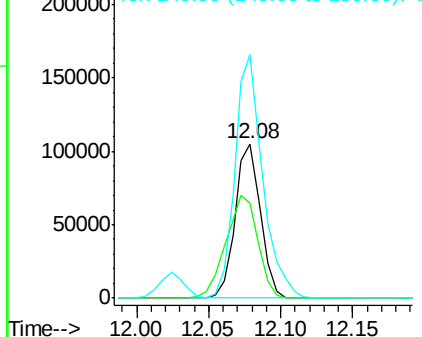
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 83.7  | 43.5  | 130.5 |
| 150     | 172.2 | 0.0   | 348.8 |

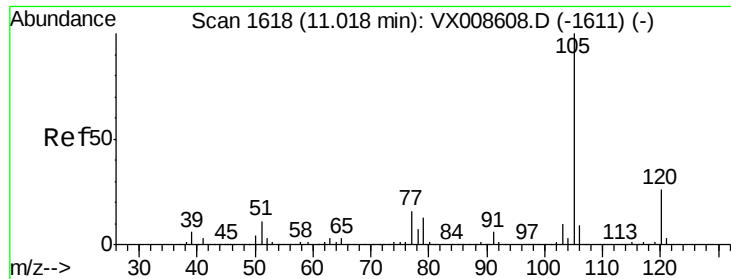
Abundance

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: 45.503 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008651.D

Acq: 04 Apr 2019 21:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 486075

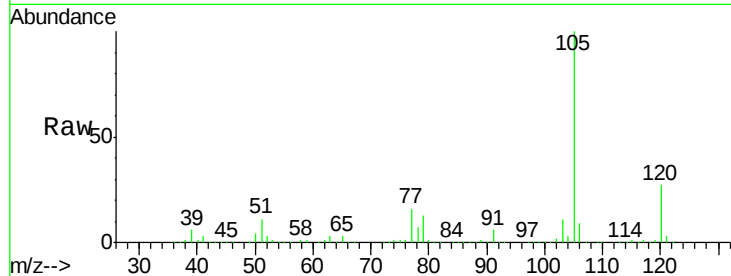
Ion Ratio Lower Upper

105 100

120 26.0 12.9 38.6

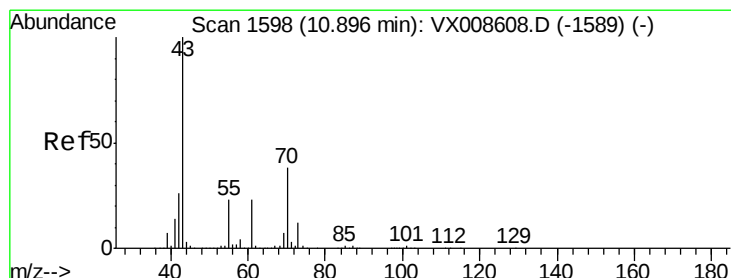
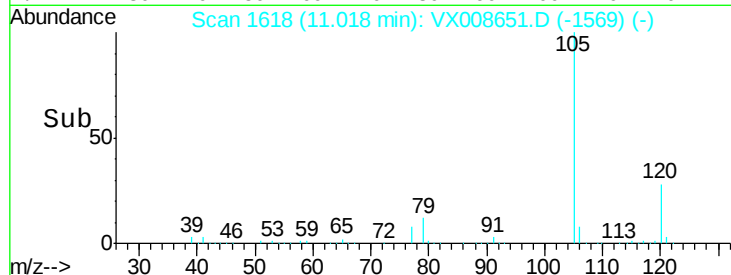
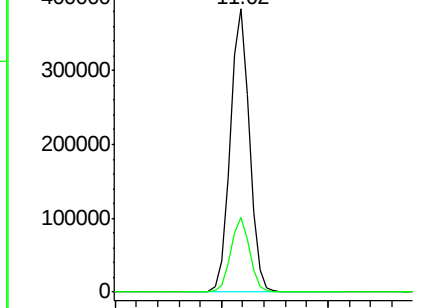
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.851 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008651.D

Acq: 04 Apr 2019 21:33

Tgt Ion: 43 Resp: 300740

Ion Ratio Lower Upper

43 100

70 37.6 30.2 45.4

55 22.3 18.2 27.4

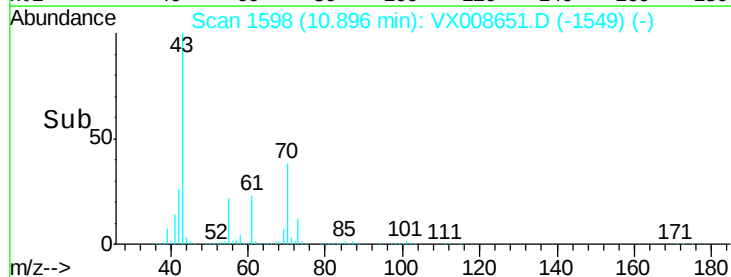
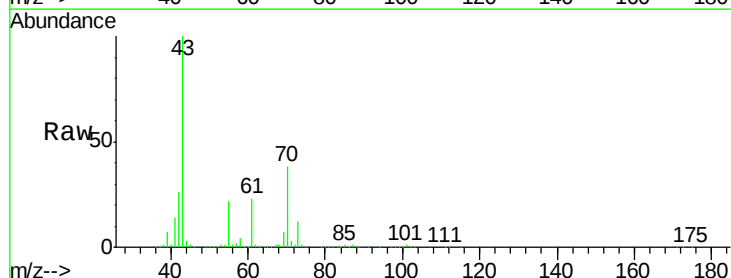
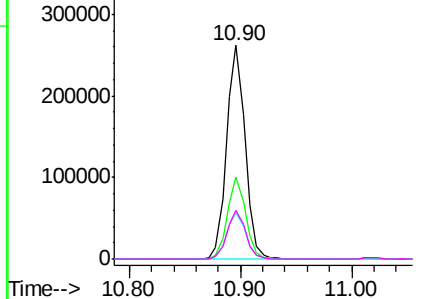
61 22.8 18.6 28.0

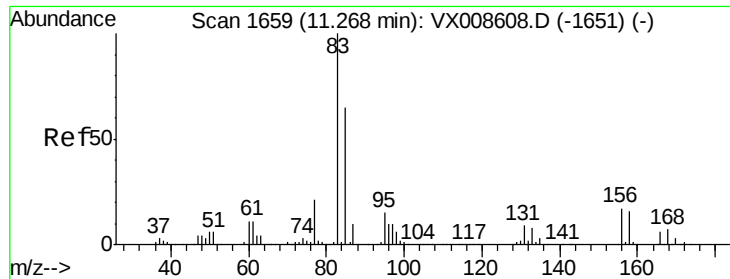
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 45.644 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008651.D

Acq: 04 Apr 2019 21:33

Instrument :

MSVOA\_X

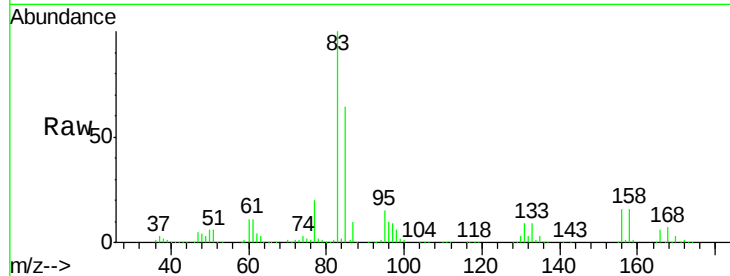
ClientSampleId :

VSTDCCC050

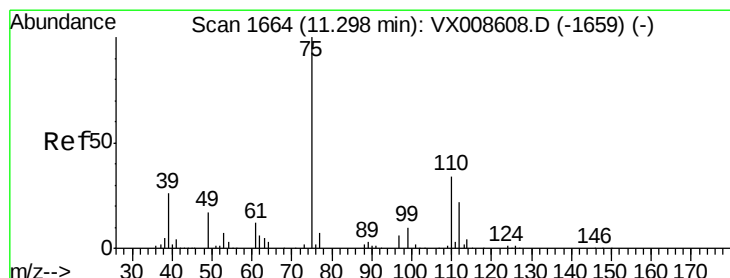
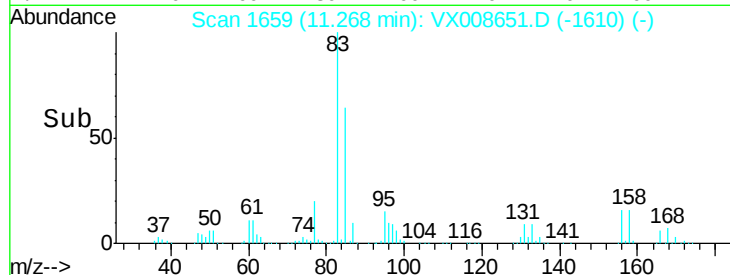
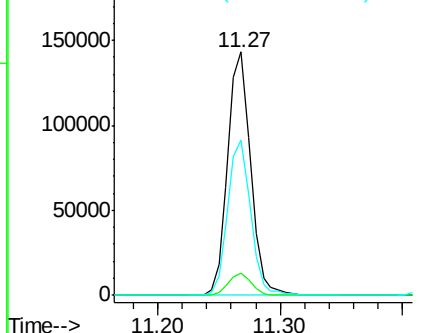
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 185436 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 9.2   | 4.5   | 13.7   |
| 85        | 63.6  | 32.0  | 96.2   |

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Abundance Ion 82.90 (82.60 to 83.60): VX0  
Ion 130.80 (130.50 to 131.50): VX0  
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 45.649 ug/l m

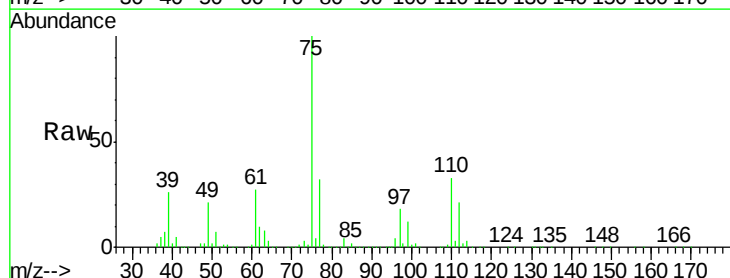
RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

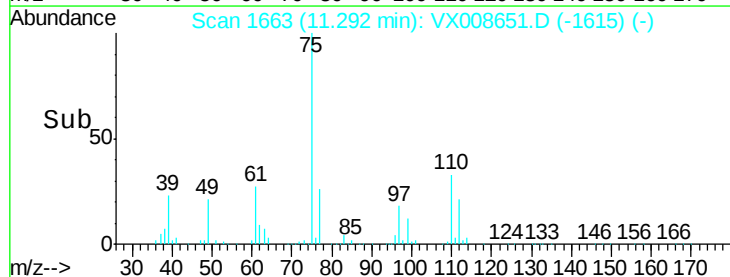
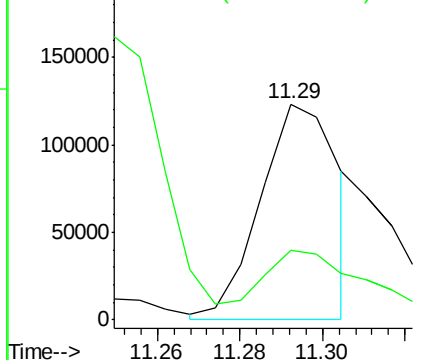
Lab File: VX008651.D

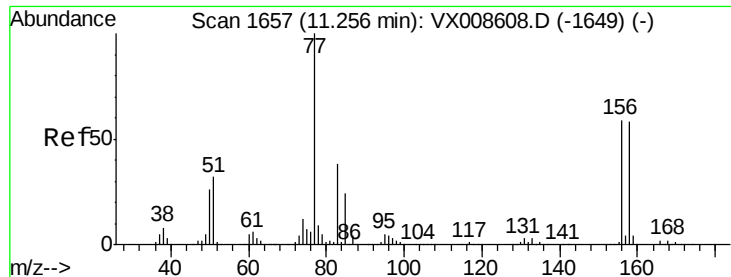
Acq: 04 Apr 2019 21:33

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 161645 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 43.7  | 22.3  | 66.8   |



Abundance Ion 74.90 (74.60 to 75.60): VX0  
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 46.330 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008651.D

Acq: 04 Apr 2019 21:33

Instrument :

MSVOA\_X

ClientSampled :

VSTDCCC050

Tot Ion:156 Resp: 118978

Ion Ratio Lower Upper

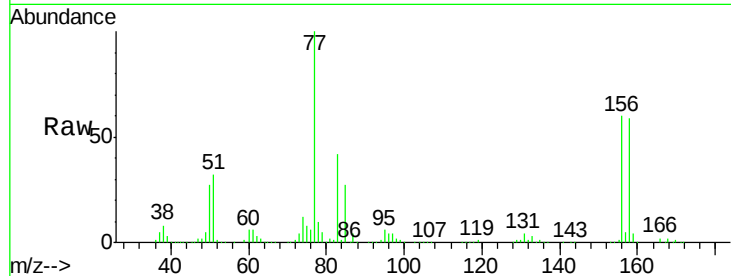
156 100

77 176.7 89.8 269.6

158 97.3 48.6 145.9

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4/5/2019 10:53:46 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

200000

150000

100000

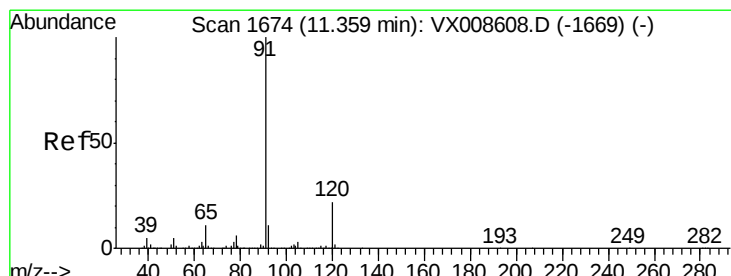
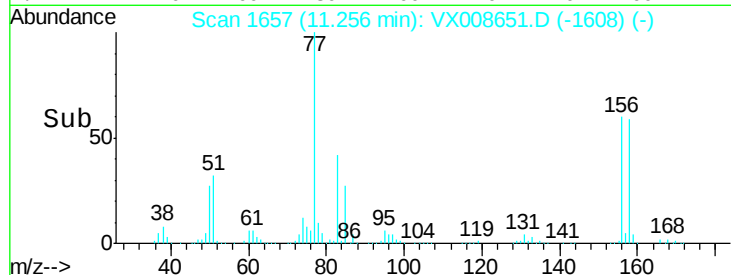
50000

0

11.20

11.30

Time-->



#78

n-propylbenzene

Concen: 45.489 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008651.D

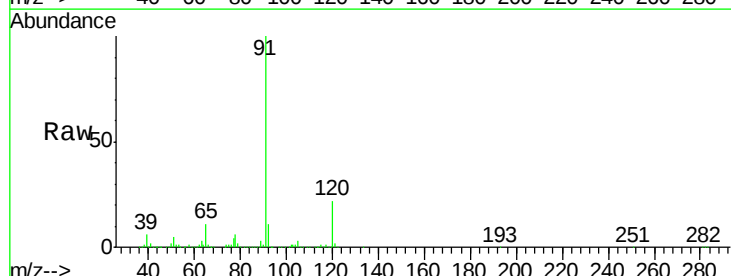
Acq: 04 Apr 2019 21:33

Tgt Ion: 91 Resp: 565806

Ion Ratio Lower Upper

91 100

120 22.0 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

500000

400000

300000

200000

100000

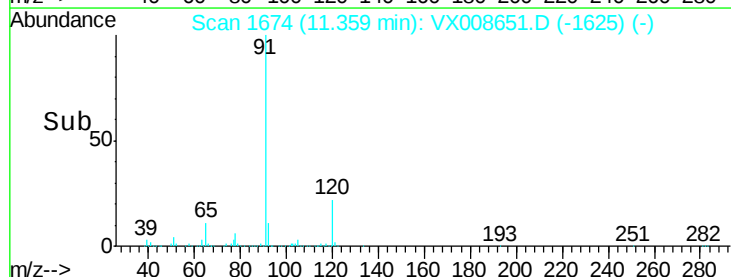
0

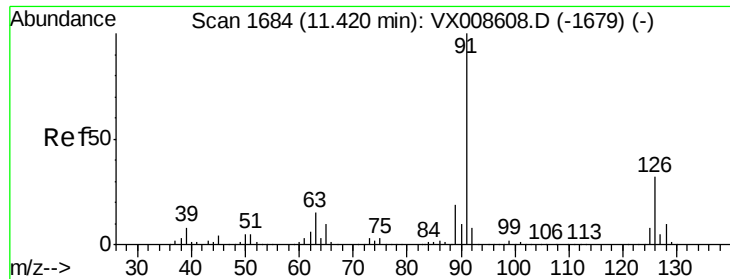
11.30

11.35

11.40

Time-->





#79

2-Chlorotoluene

Concen: 45.121 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008651.D

Acq: 04 Apr 2019 21:33

Instrument :

MSVOA\_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 339627

Ion Ratio Lower Upper

91 100

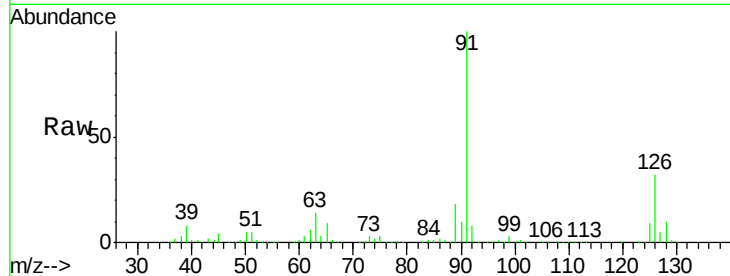
126 32.2 16.1 48.3

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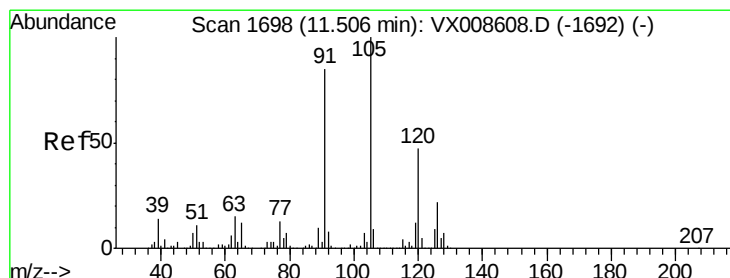
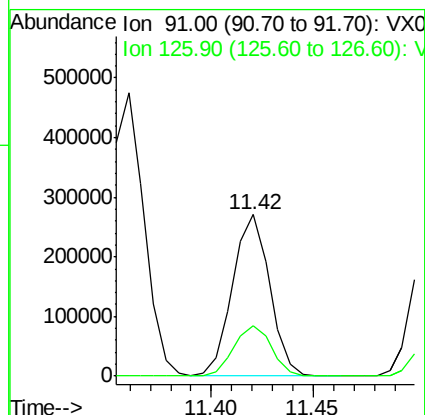
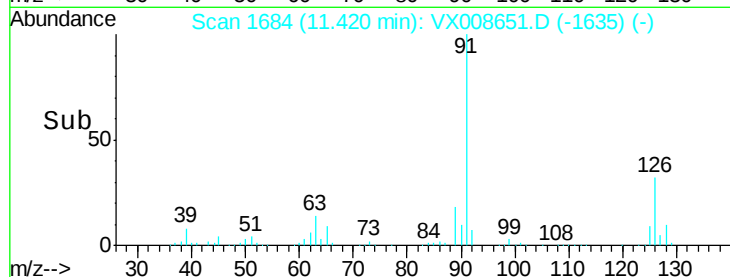
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Abundance Ion 91.00 (90.70 to 91.70): VX008608.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX008608.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 46.363 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008651.D

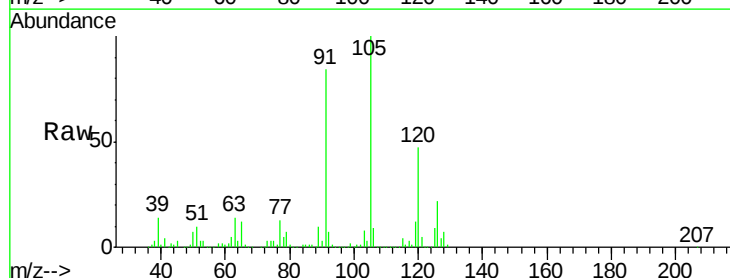
Acq: 04 Apr 2019 21:33

Tgt Ion: 105 Resp: 415730

Ion Ratio Lower Upper

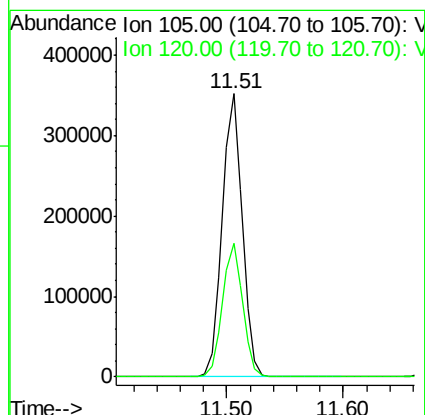
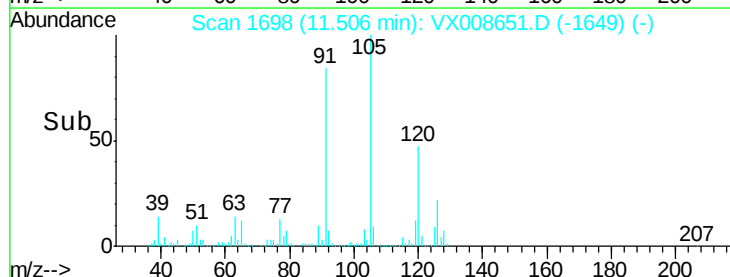
105 100

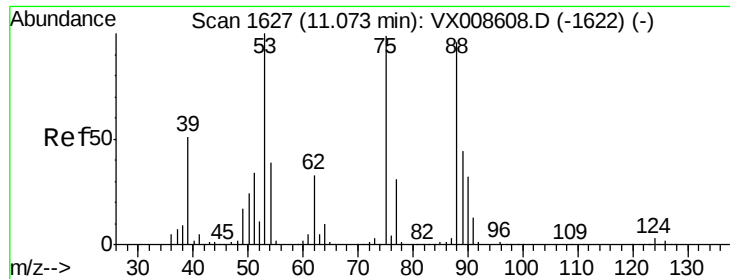
120 47.2 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): VX008608.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX008608.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 47.500 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008651.D

Acq: 04 Apr 2019 21:33

Instrument :

MSVOA\_X

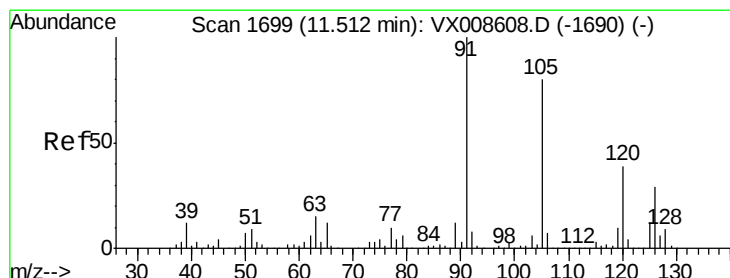
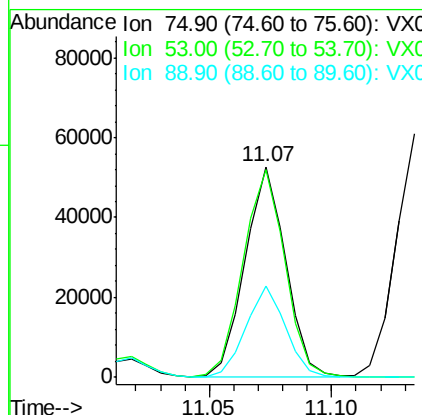
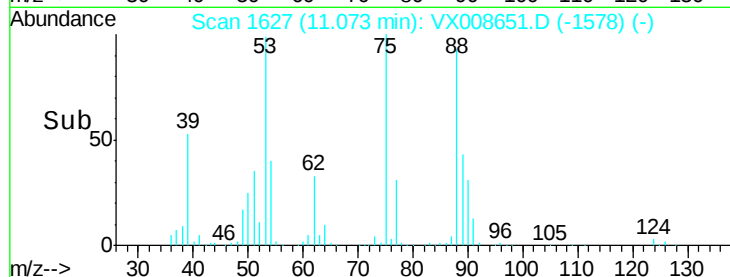
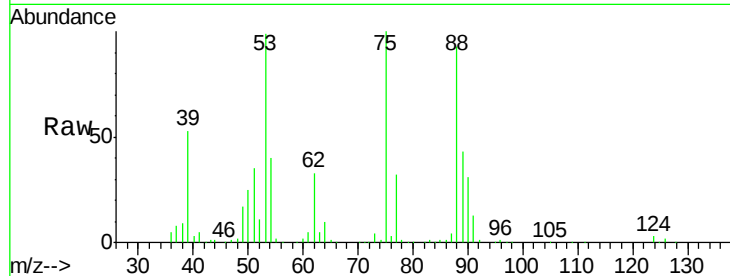
ClientSampleId :

VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 101.4 | 81.3  | 121.9 |
| 89      | 43.0  | 35.6  | 53.4  |

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#82

4-Chlorotoluene

Concen: 44.899 ug/l

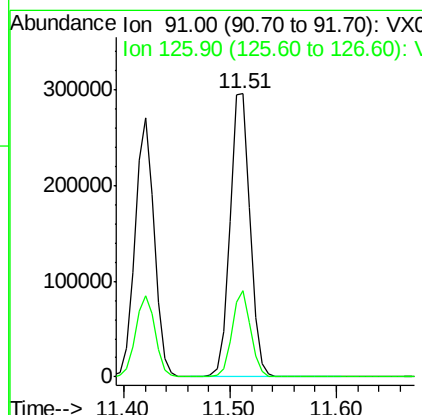
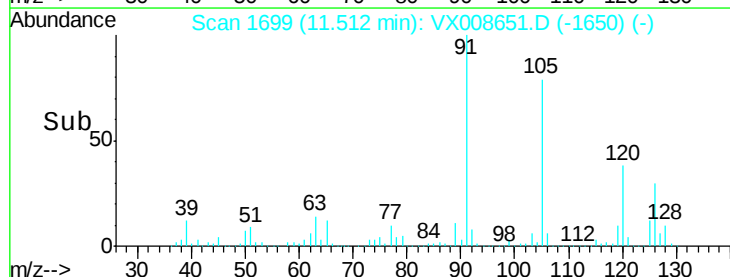
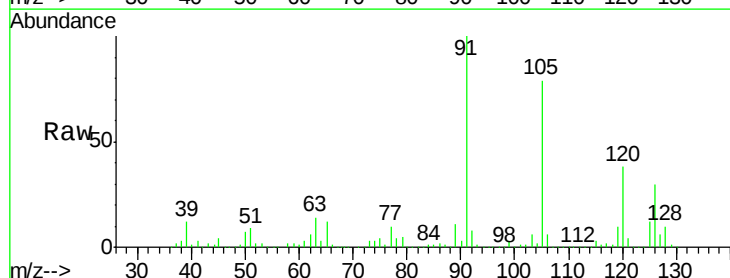
RT: 11.51 min Scan# 1699

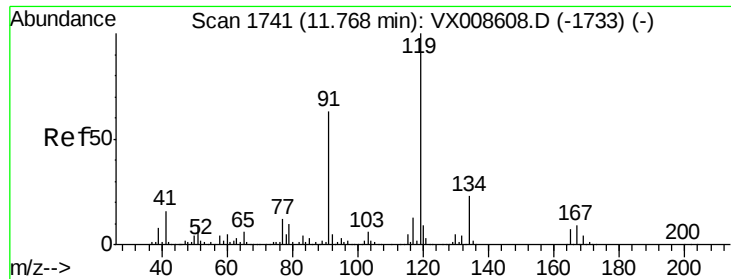
Delta R.T. 0.00 min

Lab File: VX008651.D

Acq: 04 Apr 2019 21:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 28.2  | 13.9  | 41.6  |





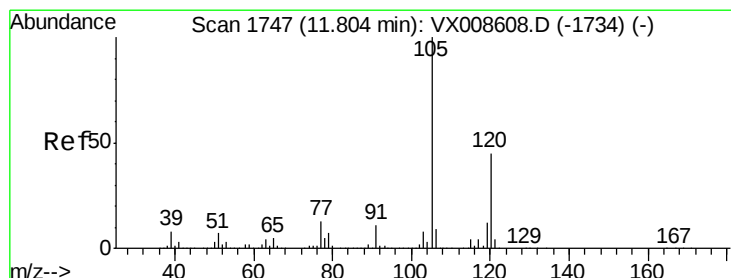
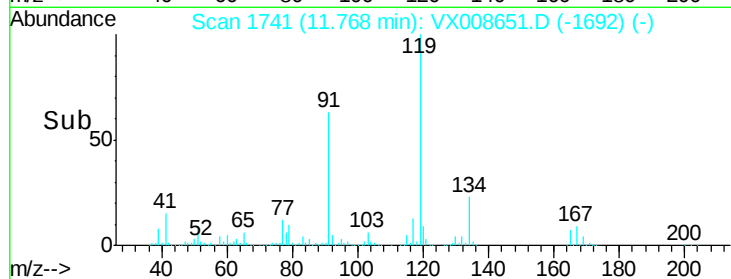
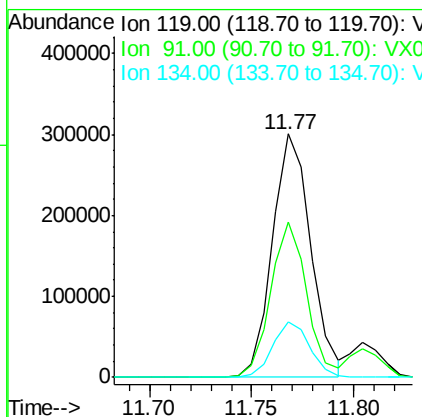
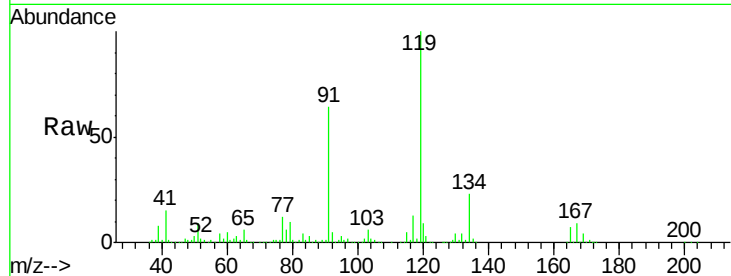
#83  
tert-Butylbenzene  
Concen: 45.739 ug/l  
RT: 11.77 min Scan# 1741  
Delta R.T. 0.00 min  
Lab File: VX008651.D  
Acq: 04 Apr 2019 21:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 394586 |       |       |
| 91      | 59.9  | 30.0   | 90.1  |       |
| 134     | 22.1  | 11.1   | 33.3  |       |

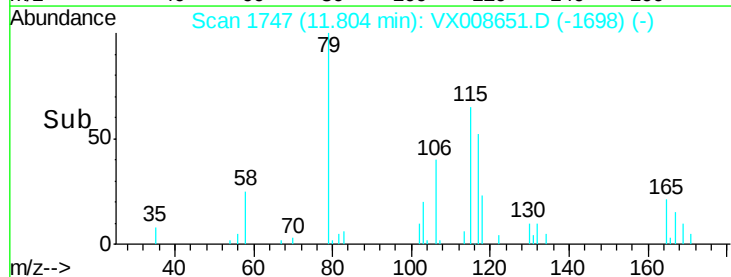
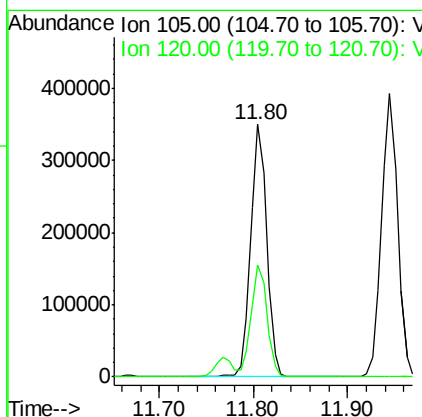
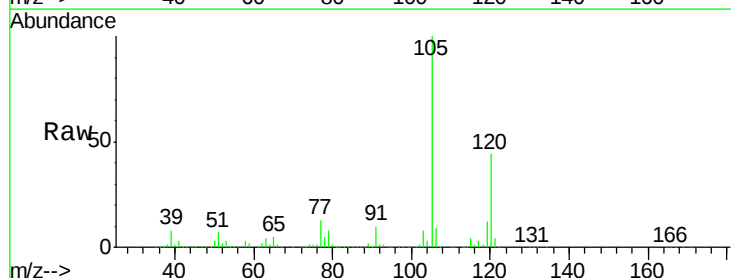
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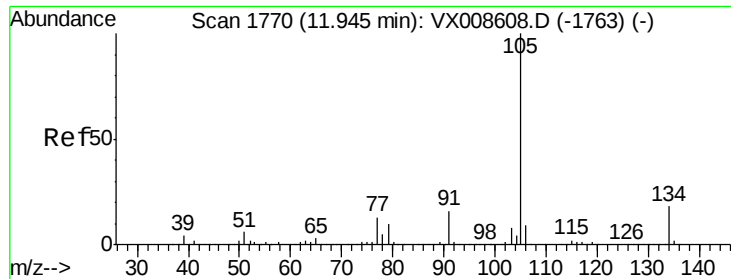
MMDadoda  
4/5/2019 10:53:46 AM



#84  
1,2,4-Trimethylbenzene  
Concen: 45.816 ug/l  
RT: 11.80 min Scan# 1747  
Delta R.T. 0.00 min  
Lab File: VX008651.D  
Acq: 04 Apr 2019 21:33

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 415987 |       |       |
| 120     | 43.5  | 21.8   | 65.3  |       |





#85

sec-Butylbenzene

Concen: 45.671 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008651.D

Acq: 04 Apr 2019 21:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 467996

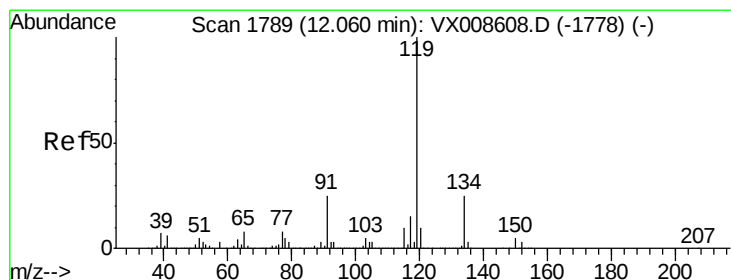
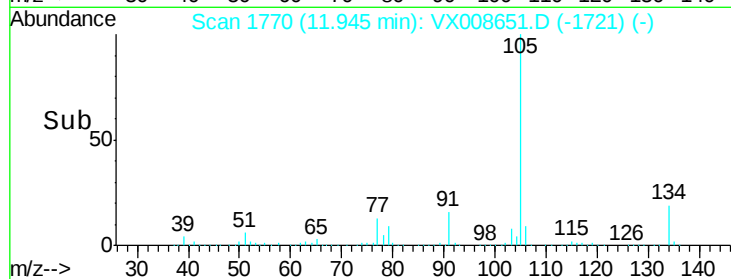
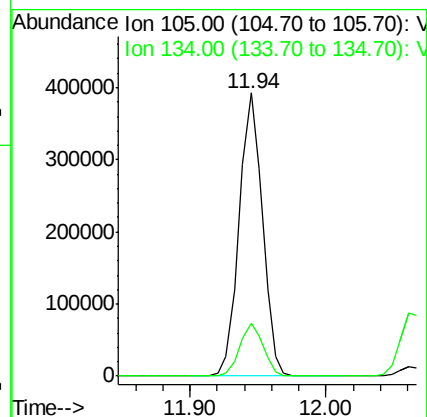
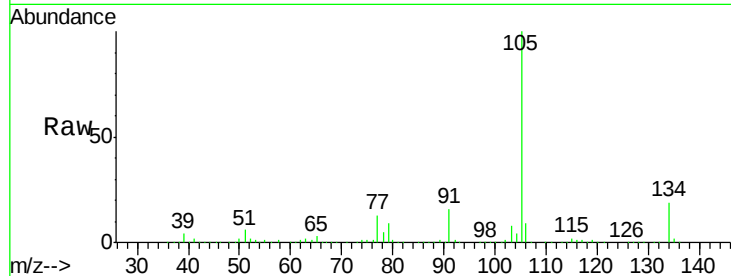
Ion Ratio Lower Upper

105 100

134 18.8 9.4 28.2

Manual Integrations  
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4/5/2019 10:53:46 AM



#86

p-Isopropyltoluene

Concen: 45.753 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008651.D

Acq: 04 Apr 2019 21:33

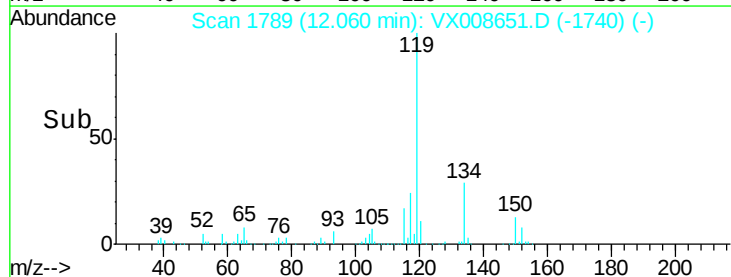
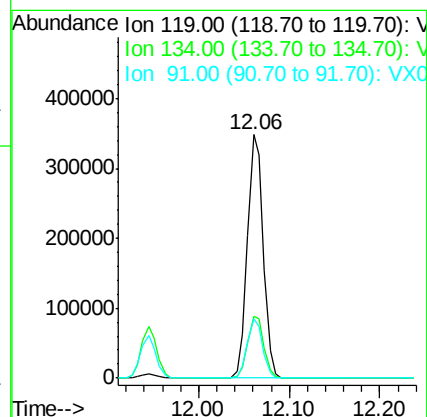
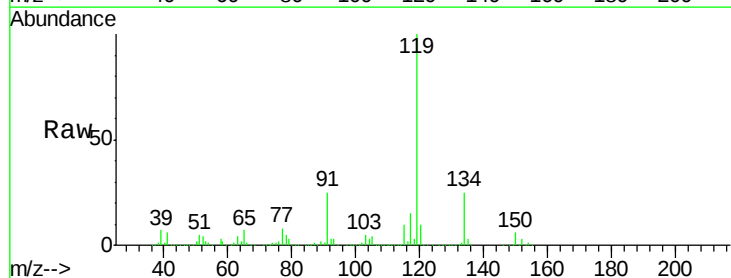
Tgt Ion:119 Resp: 420802

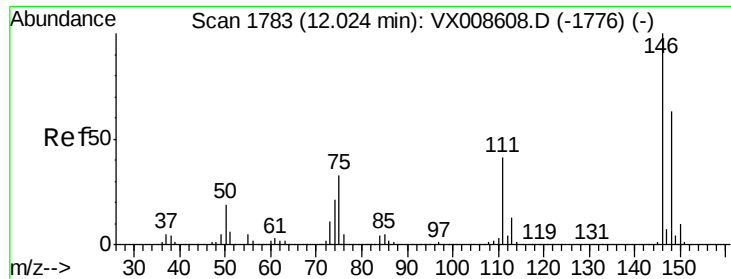
Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.4

91 24.2 12.2 36.6





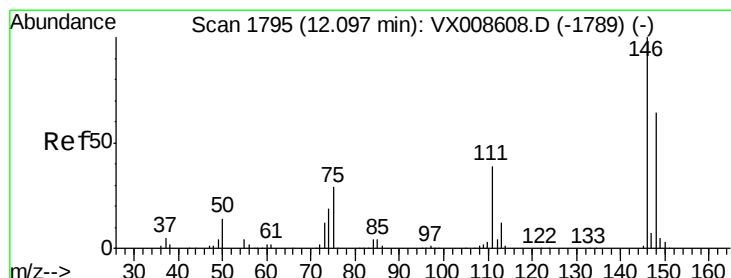
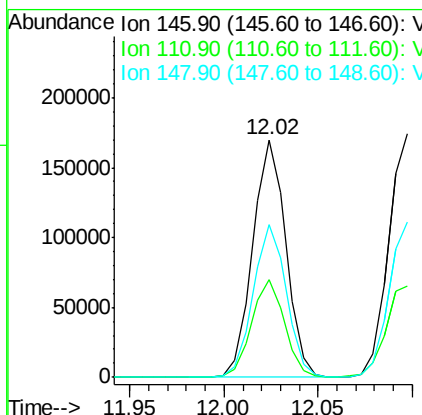
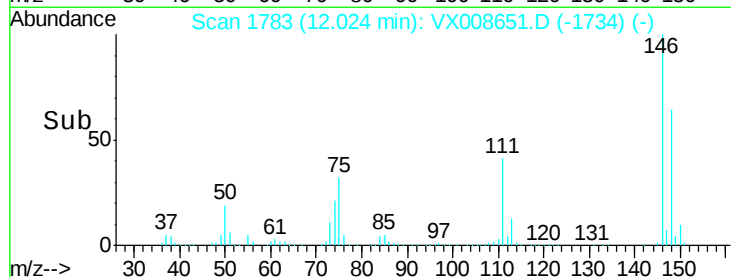
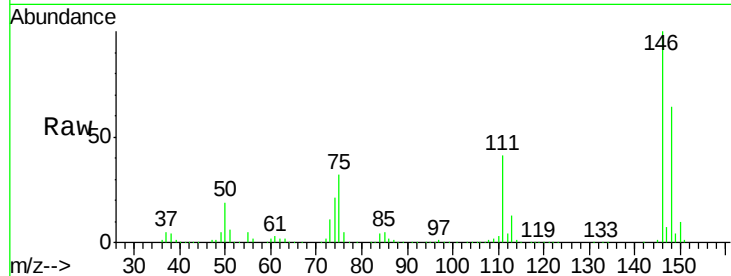
#87  
 1,3-Dichlorobenzene  
 Concen: 45.082 ug/l  
 RT: 12.02 min Scan# 1783  
 Delta R.T. 0.00 min  
 Lab File: VX008651.D  
 Acq: 04 Apr 2019 21:33

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.9  | 20.5  | 61.5  |
| 148     | 64.2  | 31.6  | 94.7  |

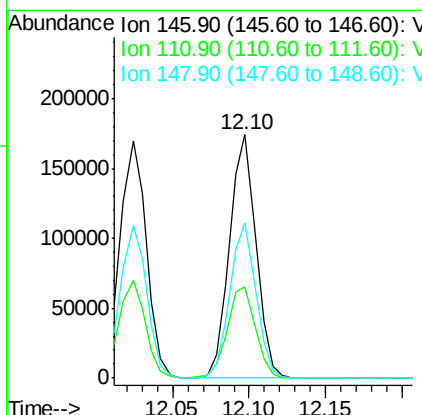
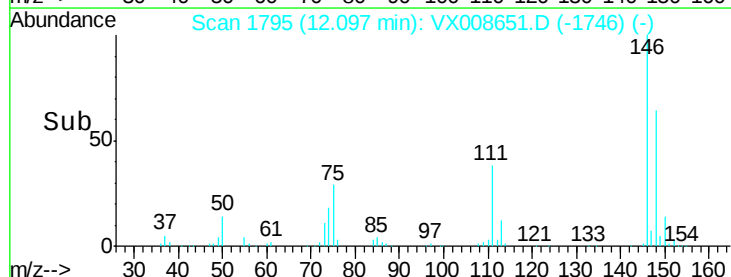
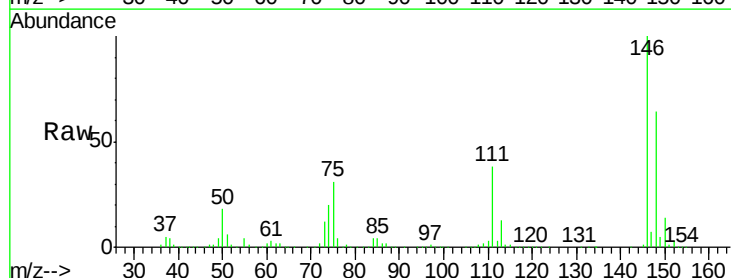
Manual Integrations  
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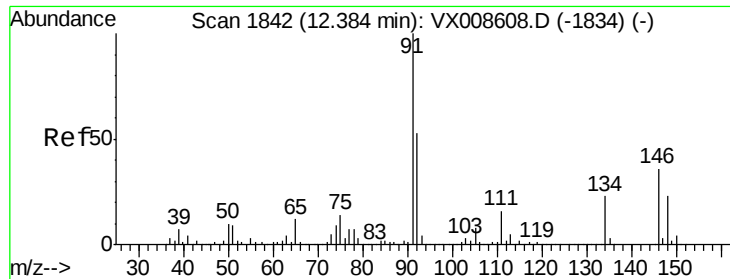
MMDadoda  
 4/5/2019 10:53:46 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 44.817 ug/l  
 RT: 12.10 min Scan# 1795  
 Delta R.T. 0.00 min  
 Lab File: VX008651.D  
 Acq: 04 Apr 2019 21:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.0  | 20.2  | 60.6  |
| 148     | 63.6  | 32.0  | 96.0  |





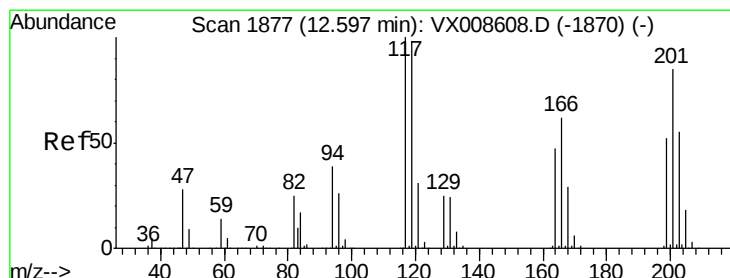
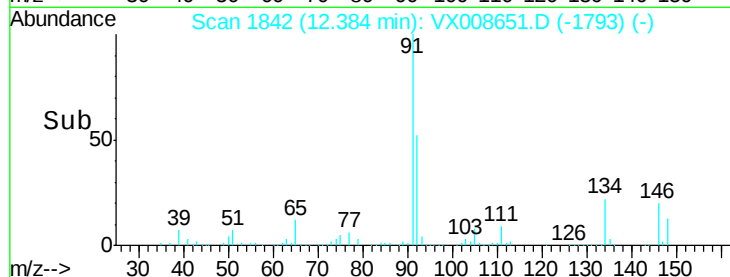
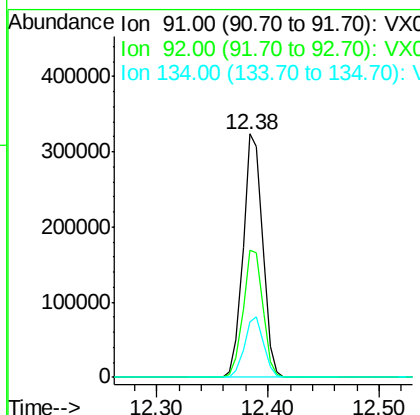
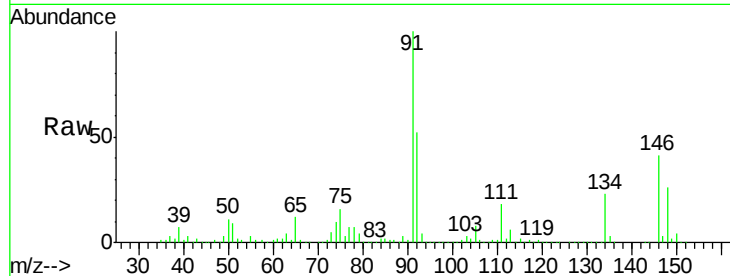
#89  
n-Butylbenzene  
Concen: 45.306 ug/l  
RT: 12.38 min Scan# 1842  
Delta R.T. 0.00 min  
Lab File: VX008651.D  
Acq: 04 Apr 2019 21:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 91      | 100  |       | 390778 |       |       |
| 92      | 53.2 | 26.4  | 79.2   |       |       |
| 134     | 24.4 | 12.0  | 36.0   |       |       |

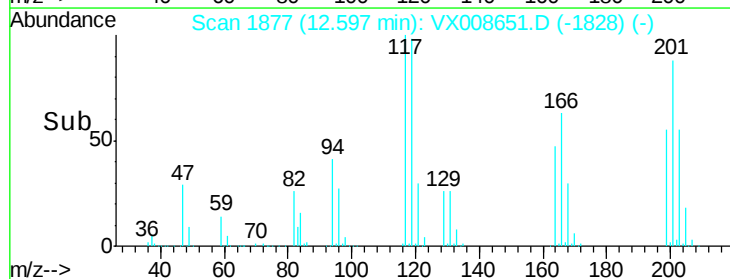
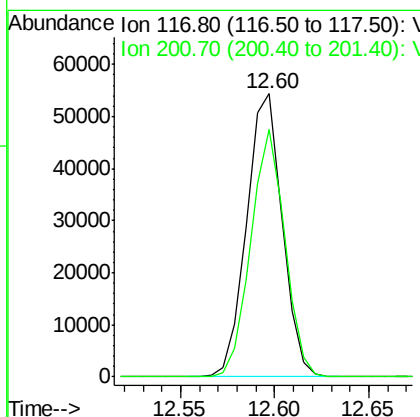
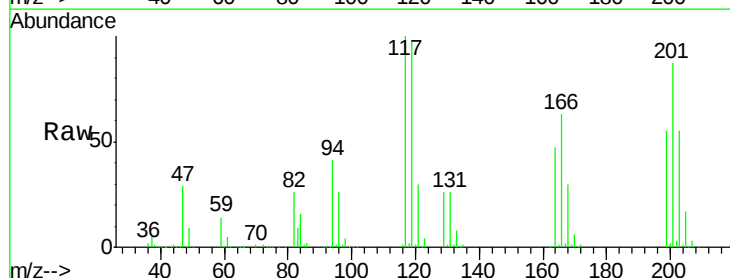
Manual Integrations  
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#90  
Hexachloroethane  
Concen: 46.709 ug/l  
RT: 12.60 min Scan# 1877  
Delta R.T. 0.00 min  
Lab File: VX008651.D  
Acq: 04 Apr 2019 21:33

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 117     | 100  |       | 71252 |       |       |
| 201     | 83.6 | 40.6  | 122.0 |       |       |





#91

1,2-Dichlorobenzene

Concen: 45.783 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX008651.D

Acq: 04 Apr 2019 21:33

Instrument :

MSVOA\_X

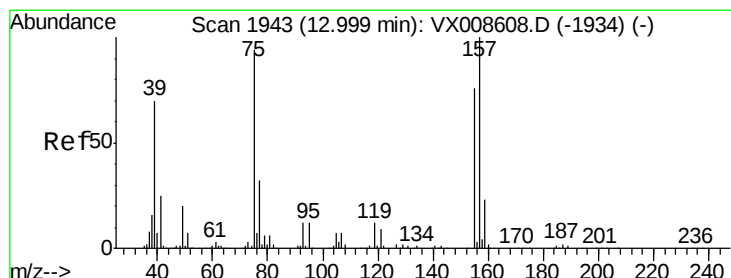
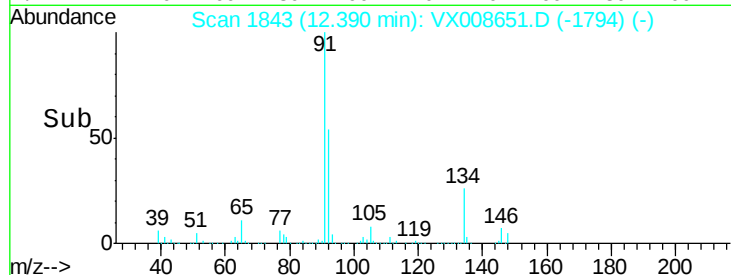
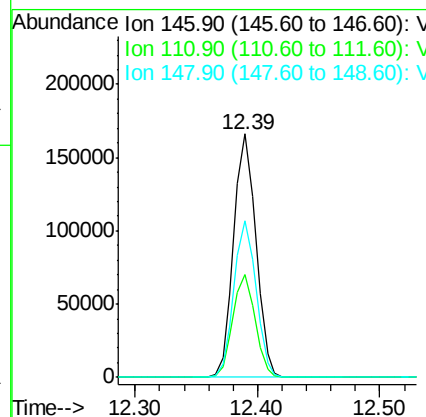
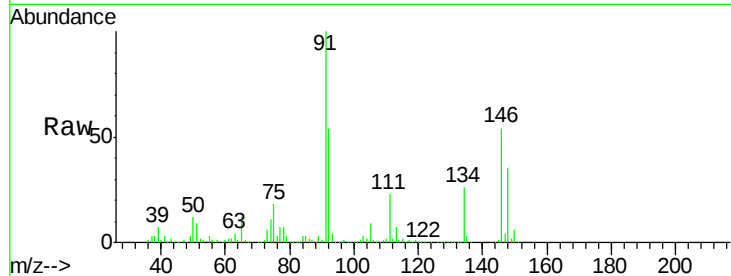
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 208981 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 42.4  | 21.3  | 63.9   |
| 148       | 64.0  | 31.7  | 95.1   |

Manual Integrations  
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4/5/2019 10:53:46 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.485 ug/l

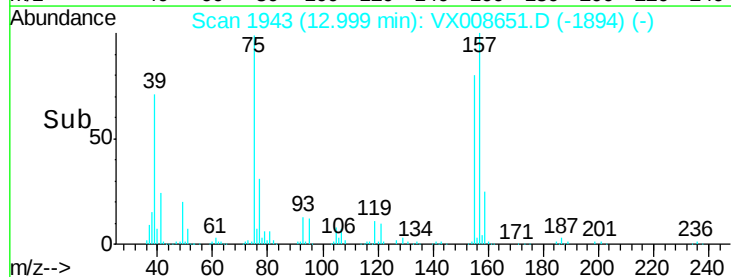
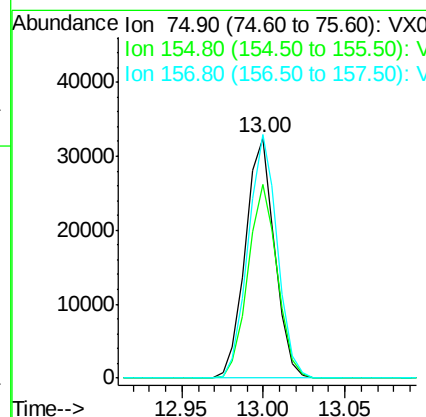
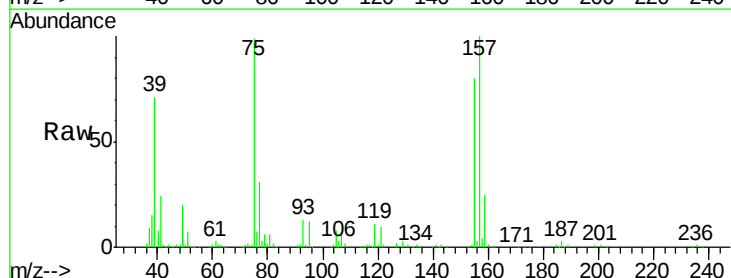
RT: 13.00 min Scan# 1943

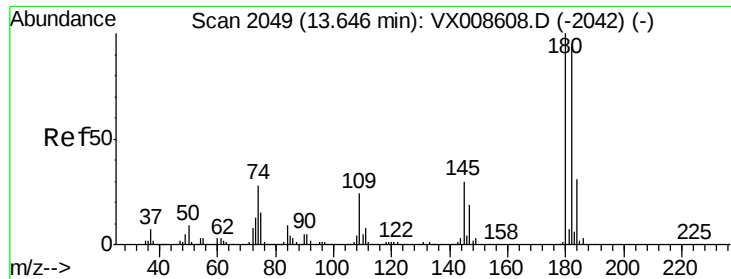
Delta R.T. 0.00 min

Lab File: VX008651.D

Acq: 04 Apr 2019 21:33

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 40650 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 80.9  | 39.9  | 119.6 |
| 157       | 101.1 | 51.5  | 154.7 |





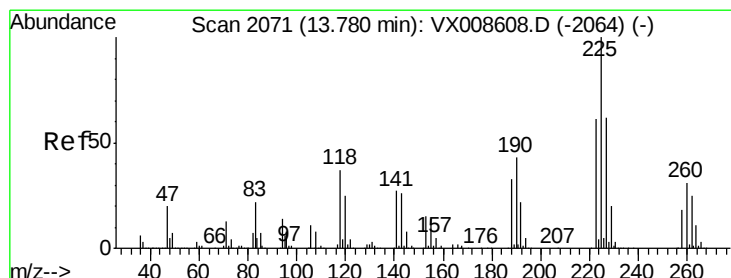
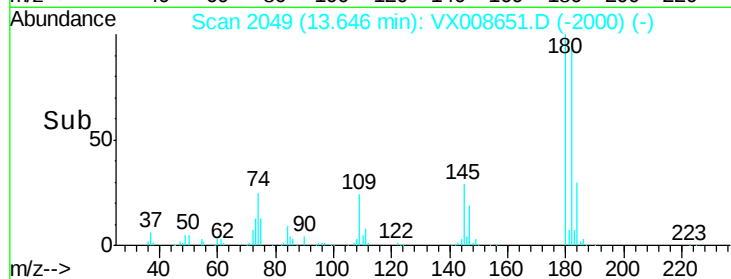
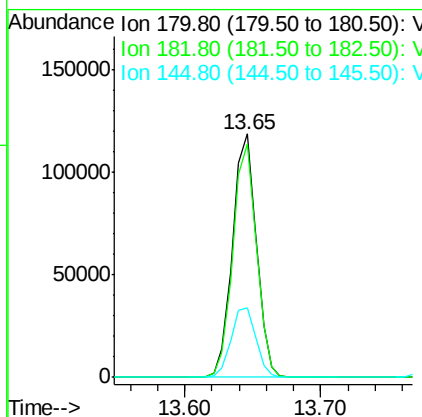
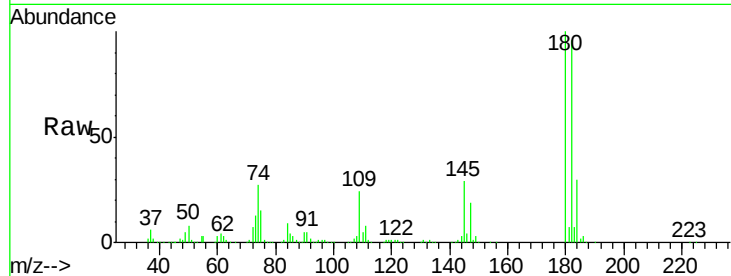
#93  
 1,2,4-Trichlorobenzene  
 Concen: 45.623 ug/l  
 RT: 13.65 min Scan# 2049  
 Delta R.T. 0.00 min  
 Lab File: VX008651.D  
 Acq: 04 Apr 2019 21:33

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 180   | Resp: | 144797 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.3  | 47.2  | 141.6  |
| 145       | 30.0  | 15.3  | 45.9   |

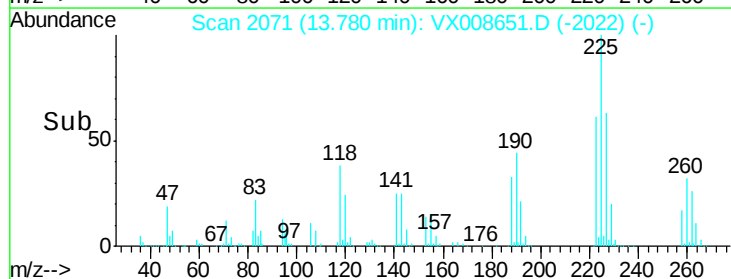
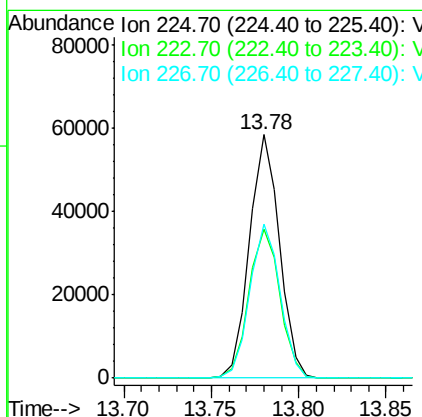
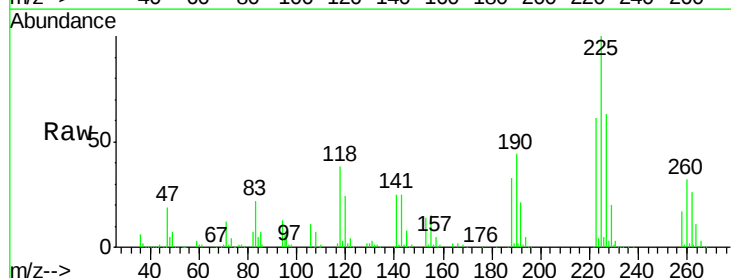
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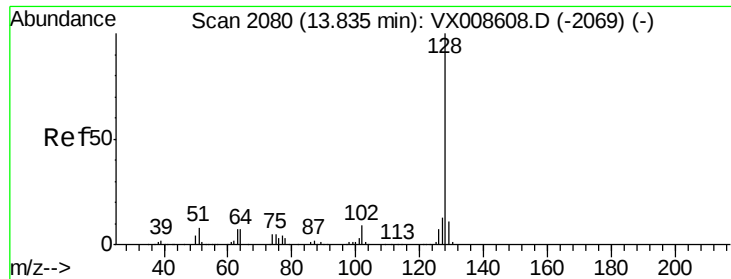
MMDadoda  
 4/5/2019 10:53:46 AM



#94  
 Hexachlorobutadiene  
 Concen: 45.824 ug/l  
 RT: 13.78 min Scan# 2071  
 Delta R.T. 0.00 min  
 Lab File: VX008651.D  
 Acq: 04 Apr 2019 21:33

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 69748 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 63.3  | 31.2  | 93.6  |
| 227       | 63.7  | 31.9  | 95.5  |





#95

Naphthalene

Concen: 46.654 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008651.D

Acq: 04 Apr 2019 21:33

Instrument :

MSVOA\_X

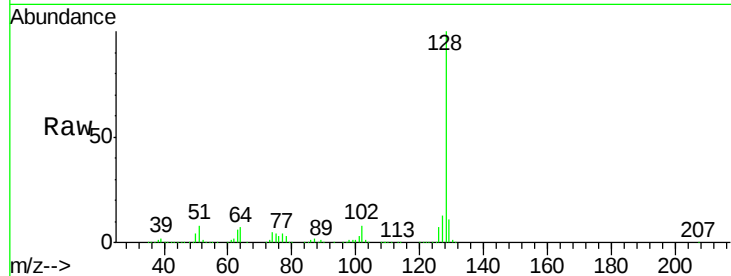
ClientSampleId :

VSTDCCC050

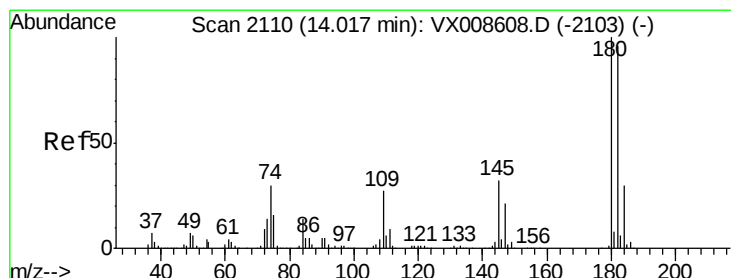
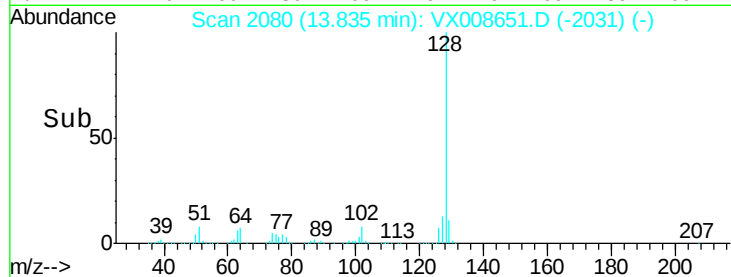
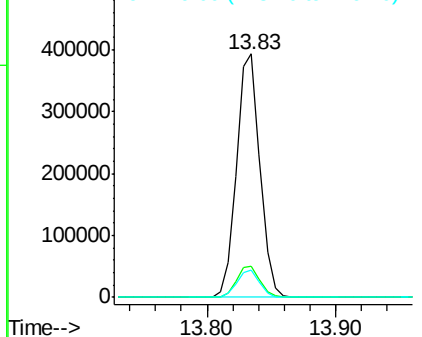
|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 128  | Resp: | 494877 |
| Ion Ratio |      | Lower | Upper  |
| 128       | 100  |       |        |
| 127       | 12.8 | 10.4  | 15.6   |
| 129       | 10.9 | 8.6   | 13.0   |

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



#96

1,2,3-Trichlorobenzene

Concen: 45.572 ug/l

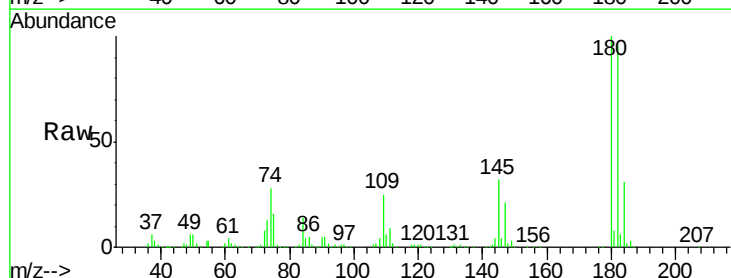
RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX008651.D

Acq: 04 Apr 2019 21:33

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 180  | Resp: | 144508 |
| Ion Ratio |      | Lower | Upper  |
| 180       | 100  |       |        |
| 182       | 95.0 | 48.1  | 144.3  |
| 145       | 32.1 | 16.3  | 48.8   |



Abundance Ion 179.80 (179.50 to 180.50): V  
Ion 181.80 (181.50 to 182.50): V  
Ion 144.90 (144.60 to 145.60): V

